

1. BE - BOUNDARY ELÉMENT AS PER ACI 318M - 2014, PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT

2. Z1 = SPECIAL CONFINING ZONE AS PER ACI 318M - 2014. Z2 = REMAINING ZONES AS PER ACI 318M - 2014

URDANETA-BUILDING B
COLUMN SCHEDULE

### BEAM SCHEDULE (C28:Fy415) (LEVEL: 6 m)

ВЕАМ	S	ze	вотто	M REINFORC	EMENT	ТОР	REINFORCE	MENT	SH	EAR STIRRUPS		SFR
NUMBERS	В	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	HIGHT	- Srn
2B1	250	400	2-#16	2-#16	3-#16	3-#16 2-#18	3-#15	3-#16 + 2-#16	11-21-#10@80 C/C	19-2L-≇15@125 C/C	11-2L-#10@80 C/C	-
282,285,286,2810	250	500	2-#16	2-#16	3-#16	3-#16 2-#16	3-#16	3-#16 + 2-#16	12-2L-#10@95 C/C	13-2L-≇10@150 G/C	12-2L-#10@95 C/C	-
2B3,2B4,2B9,2B11 ,2B12	250	500	3-≢t6	2-#16	3-416	3-#16 + 2-#16	3-#16	- 3-#16 + 2-#16	12-2L-#10@95 C/C	13-2L-#10@150 C/C	12-2L-#10@95 C/C	•
297	250	500	2-#15	2-#16	2-#16	3-#16	3-≢16	3-#16	11-2L-#10@150 C/C	9-21-#10@150 G/C	11-2L-≱10@150 C/C	<del>  -</del>
288	250	500	3-#16	3-₽15	3-#15	3-#16 2-#16	3-116	3-#15 + 2-#16	12-2L-#10@95 C/C	17-2L-#10@115 C/C	12-2L-#10@95 C/C	2-#16EF
2B13,2B14,2B15 ,2B15,2B17	250	400	2-816	2-#16	2-#16	3-#16	3-#16	3-#18	11-2L-#10@80 C/C	19-2L-#10@125 G/G	11-2L-#10@80 C/C	•
2818,2822	250	400	3-#16	2-016	3-#16	3-#18 2-#18	3-#18	3-#18	11-2L-≇10@50 C/C	2-2L-#10@125 G/C	12-2L-#10@75 C/C	1-#16EF
2819	300	600	3-#16	3-#16	3-#16	4-#16 2-#16	4-215	4-#16 + 2-#16	14-2L-#10@95 C/C	33-2L-#10@95 C/C	18-2L-₱10@85 C/C	2-#16EF
2B21	250	400	2-#16	2-#18	2-#16	2-#16	2-#16	2-#16	11-2L-#10@125 C/C	9-2L-#10@125 C/C	12-2L-≱10@125 C/C	1-016EF
2B23	300	600	4-#16	4-#18	4-#15	+ 4-#16 2-#16	4-#16	4-#16 + 3-#18	14-2L-#10@95 C/C	34-21-#10@90 C/C	16-2L-#10@80 C/C	2-#16EF
2825,2B27	250	400	3-#18	2-#16	3-#16	3-115 + 2-116	3-016	3-≢16	11-2L-#10@80 C/C	2-21-#10@125 C/C	12-2L-#10@75 C/C	
2826,2828,2830 2832	300	600	3-#16	3-#16	3-816	4-#15 2-#18	4-#16	4-#18 2-#18	14-2L-#10@95 C/C	16-2L-#10@190 C/C	14-2L-#10@95 C/C	•
2B31	250	400	3-#15	2-#16	3-#16	3-#18	3-#16	3-#16 + 2-#16	12-2L-≇10@75 C/C	2-2L-#10@125 C/C	12-2L-#10@75 C/C	1-#16EF

BEAM SCHEDULE (C28:Fy415) (TIE BEAM)

BEAM	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS			
NUMBERS	Ð	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
ALL TIE BEAMS	250	350	2-#18	2-#16	2-#16	2-#16	2-#15	2-#15	11-2L-#10@125 C/C	19-2L-#10@125 C/C	12-2L-#10@125 C/C

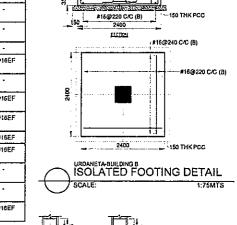


FOOTING SCHEDULE (C25:Fv415)

FOOTING	FOOTI	NG DIME	NSION	FOOTING REINFORCEMENT					
, , , , _				BOY	TOM	TO	Р		
NUMBERS	L.	8	#	ALONG B	ALONG L	ALONG B	ALONG L		
F1	2400	2400	350	Ø16@240 O.C.	Ø16@220 O.C.				
CF1	5100	3100	350	Ø16@210 O.C.	Ø16@175 O.C.	Ø16@300 O.C.	Ø16@300 O.C.		



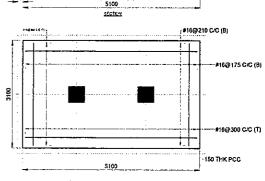
PROJECT TITLE:



;--#16@240 G/C (B)

#16@300 C/C (T)

-150 THK PCC



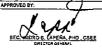
#16@300 C/C (T) #16@175 C/C (B)

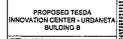














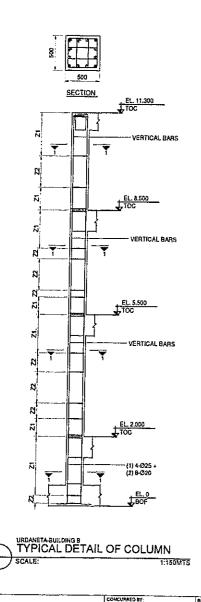




BUBLITTED BY: ENGR. ROY LOUNP, MINGARACAL SHEET CONTENTS:

S-6

EHEET NO.



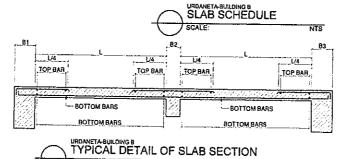
# SLAB SCHEDULE (C20 : FY275) (LEVEL : 9 M)

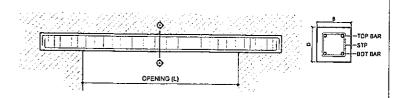
		BOTTOM REIN	FORCEMENT	TOP REINFORCEMENT						
SLAB MARKED		ALONG SHORT SPAN	ALONG LONG SPAN	OVER LONG	SUPPORT	OVER SHOR	DISTRIBUTION			
MARKED THICKNES	HICKNESS			CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS		END SUPPORT		
S1, S2, S7, S9 S10, S11, 612	125	#10 @ 175 C/G	≠10 @ 175 C/C	#10@175C/C	#10 (P 175 C/C	-	#10 @ 175 C/C	#10 @ 175 G.C		
S)	125	#10 @ 175 C/C	#10 @ 175 C.C	\$10 @ 175 C/C	#10 @ 175 C/C	#10 EP 175 C/C	#10 @ 175 G/C	₽10 @ 175 C/C		
S4, S5	125	#10 @ 175 C/G	#10 @ 175 C/C	#10 @ 175 C/G		#10 @ 175 C/G	#10 @ 175 C/C	#10 @ 175 C/C		
Sd	125	#10 @ 175 C/C	#10 @ 125 C.C	#10 @ 175 C/C	#10 @ 175 C/C		#10 @ 175 C/C	#10 @ 175 C/C		

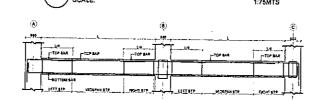
# SLAB SCHEDULE (C20: FY275) (LEVEL: 6 M)

	ļ	BOTTOM REI	NFORCEMENT		TC	P REINFORCEME	INT	
SLAB MARKED	SLAB THICKNESS	ALONG SHORT SPAN	ALONG LONG SPAN			OVER SHOR	TSUPPORT	
MARKED	MICHAESS	FULL LENGTH	FULL LENGTH	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS	END SUPPORT	DISTRIBUTION )
\$1, \$2, \$7, \$9 \$10, \$11, \$12	125	#10 @ 175 C/C	₽10 @ 175 C/C	#10 @ 175 C/C	#10 @ 175 G/C	-	#10 @ 175 G/C	\$10 @ 175 C/C
50	125	#10 @ 175 C/G	#10 @ 175 C/C	#10 @ 175 C/C	#10@ 175 C/C	# 10 € 150 C/C	#10 @ 175 G/C	#10 @ 175 C/C
S4, S5	125	#10 @ 175 C/C	₱10 Ø 175 C/C	#10 @ 175 C/C		#10 @ 150 C/C	#10 @ 175 C/C	#10 @ 175 C/C
86	125	#10 @ 175 C/C	#10 @ 125 C/C	₱10 @ 175 C/C	#10 @ 175 C/C		₽10 @ 175 C/C	#10@ 175 C/C

OPENING (L)	DIMENSION	REINFORCEMENT				
OF ENRING (C)	DIMENSION	TOP	BOTTOM	STIRRUPS		
UP TO 1200 mm	# <b></b>	2-10mm	2-10mm	8mm@ @ 180mm O.C.		
UP TO 1200 mm (115mm THX WALL)	<b>4</b>	2-10mm	2-10mm	5mmØ @ 150mm O.C.		
1300 mm TO 1650mm		2-10mm	3-10mm	6mm (3 <b>4)</b> 160mm (3,C.		
1800 mm TO 2100mm	£	2-10mm	3+12mm	Bmm& & 150mm O.C.		
2250 mm TO 2700mm	r T	2-10mm	2-16mm	கோள் <b>2 g</b> 200mm Q.C.		
MAIN CANOPY LB-1	6EE L8-1 A	T BEAM SC	HEDULE (2F)			















SEC, ISIDRO S. LAPERA, PHD., CASE

PROPOSED TESDA INNOVATION CENTER - URDANETA BUILDING B

PROJECT TITLE:

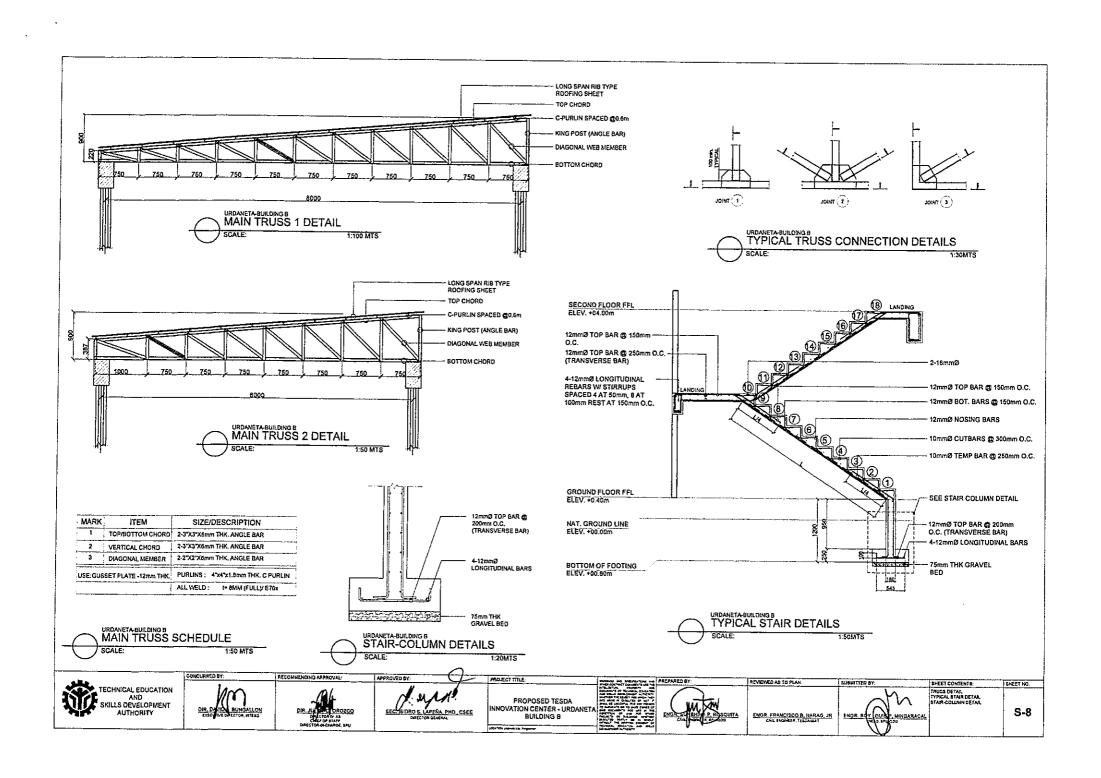


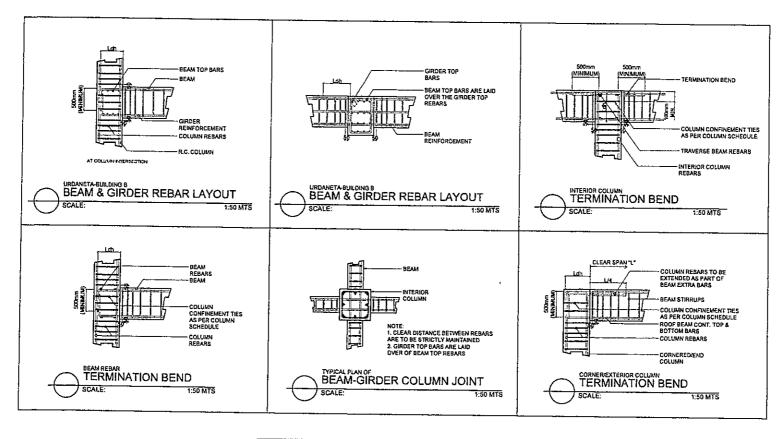
REVIEWED AS TO PLAK

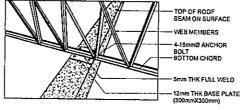
SUBMITTED BY: ENGR. RO LOUIS

DHEET CONTENTS. SHEET NO. SUAS BECTION DETAIL
COLLIAN DETAIL
COLLIAN DETAIL
BEAN DETAIL
CLUB SOCIETION
STAR COLUMN DETAIL
UNTEL BEAM DETAIL

**S-7** 







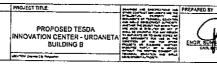














ENGR SUMMIN P. ROSQUE	IT.
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ENGR. FRANCISCO B. NARAG JR

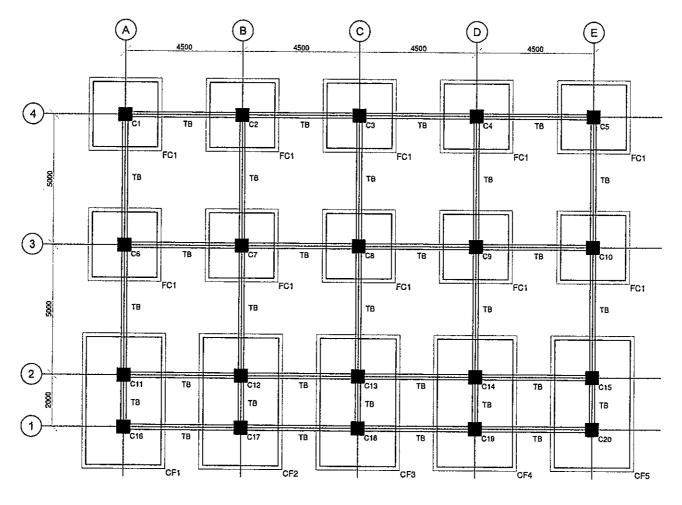
REVIEWED AS TO PLAN.

SHEET CONTENTS: ENGH ROY JOURN MINOARACAL

SUBMITTED BY:

TYPICAL CONNECTION DETAILS S-9

SHEET NO.





TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

CONCURRED BY:

SEC. ISIDRO & LAPERA, PHD., CEEE

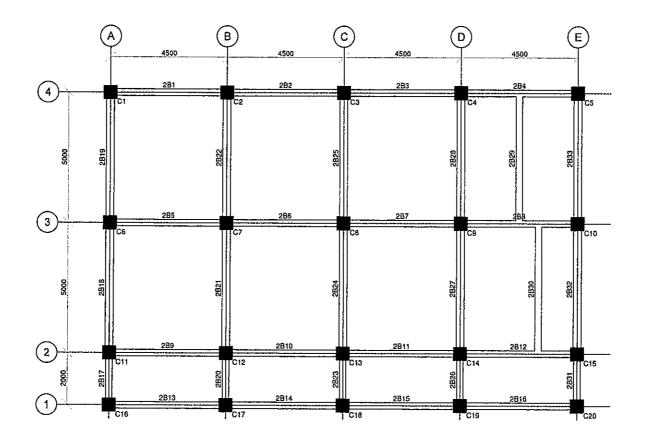
PROPOSED TESDA
INNOVATION CENTER - URDANETA
BUILDING C



REVIEWED AS TO PLAN

BUSINTTED BY:

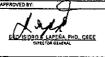
SHEET CONTENTO: SHEET NO. S-1

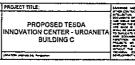




	CONCURRED BY:	RECOM
TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY	DIR, DAMAL BUNG LLON EXECUTAS DIRECTOR MITES	









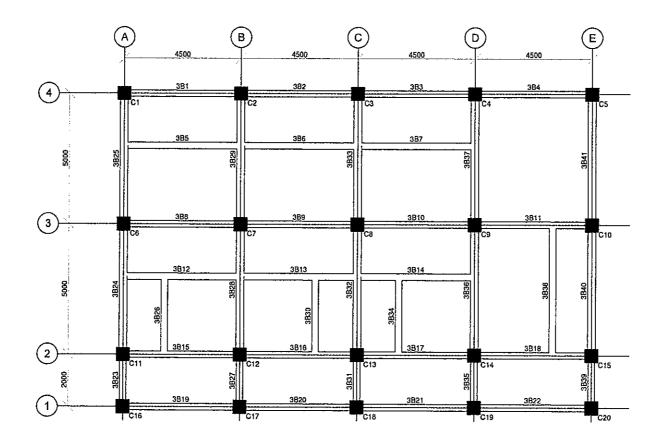
EVIEWED AS TO PLAN.	SUBMITTED BY:
ingr Francisco B. Narag, Ji Can Edgastr Tesdagat	R. ENGRIPPY LOJE P. LINGAR

ED BY:

BYEET CONTENTS:

BECOND FLOOR FRAMING PLAN

S-2





CONCURRED BY;
OIR DAVIDE BUNGALLON EXECUTAR BASSOR MITES







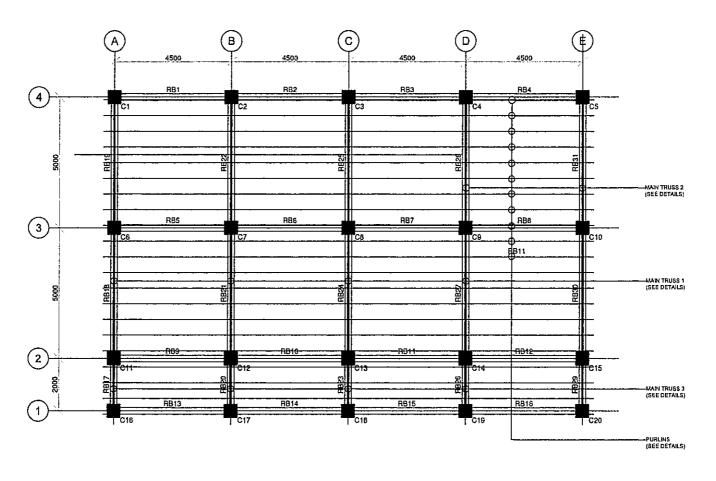




EVIEWED AS TO PLAN:	OUDINITIED BY:
ENGR. FRANCISCO B. NAGAG, JR. CIVE BYGNEER, TEIGABAT	ENGR. POLICIPE MINOARAC

EMEST CONTENTS: BMEST NO.
THURD FLOOR FRAMING PLAN

S-3





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	TECHNICAL EDUCATION
3 N/C	AND
21112	SKILLS DEVELOPMENT
7	AUTHORITY

CONCURRED BY:





PROPOSED TESOA
INNOVATION CENTER - URDANETA
BUILDING C

PROPOSED TESOA
INNOVATION CENTER - URDANETA
BUILDING C

BU



•	PREPARED BY:	REVIEWED AS TO PLAN:
24223446234957	ENGR SOTHHINE D-CORQUITA	ENGR FRANCISCO B. GVZ EKONIER, TES

ENGR. FRANCISCO B. NARAO, JR. GVZ EKONEER, TZZSAGAY		
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_	SUBLITTED BY:
	ENOR ROMOUNE A MINIGARACAL

SHEET CONTENTS: BHEET NO. ROOF BEAM PLAN S-4

# BEAM SCHEDULE (C28:Fy415) (LEVEL: 12 m)

BEAM	Si	ZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			
NUMBERS	В	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
RB1,RB2.RB3.RB4,RB5,RB6,RB7.RB8 ,RB9,RB10,RB11,RB12.RB13,RB14 ,RB15,RB16	250	400	2-#15	2-#16	2-#16	2-#16	2-#16	2-#16	\$1-2L-#10@80 C/C	19-2L-≱10@125 C/C	15-2L-#10@80 C/C	
RB17,R820,RB23,RB26,RB29	250	400	2-#16	2-#16	2-#16	2-#16	2-916	2-#16	11-2L-#10@80 C/C	2-2L-#10@125 C/C	11-2L-#10@80 C/C	
RB18,RB19,RB21,RB22,RB24,RB25 ,RB27,RB26,RB30,RB31	250	400	2-#16	2-#16	2-#16	2-#16	2-#16	2-#16	11-2L-#10@80 C/C	23-2L-#10@125 C/C	11-2L-#10@80 C/C	

# BEAM SCHEDULE (C28:Fy415) (LEVEL: 9 m)

BEAM	s	ZE	80170	M REINFORC	EMENT	TOP	REINFORCE	MENT	SH	EAR STIRRUPS		SFR
NUMBERS	В	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	SFA
3B1,392,3B3,3B4 ,3B8,3B9	250	500	2-#18	2-116	2-≢16	3-#16	3-#16	3-#16	12-2L-#10@95 C/C	13-2L-#10@150 C/C	12-2L-#10@95 C/C	
385,3812,386,3813 ,387,3814	250	400	2-#16	2-#16	2-#16	3-#16	3-#16	3-#16	13-2L-#10@125 C/C	11-2L-#10@125 G/C	13-21-#10@125 C/C	•
3810	250	500	2-518	2-#16	3-#16	3-#16	3-#15	+ 3-#16 + 2-#16	12-2L-#10@95 C/C	13-2L-#10@150 C/C	12-2L-#10@95 C/C	•
3811,3818	250	500	2-#15	3-#16	3-≱16	3-#16 * 2-#16	3-#18	3-#16 + 2-#16	12-2L-₱10@95 G/C	18-2L-#10@110 C/C	12-2L-#10@95 C/C	2-#16EF
3B15	250	500	2-#16	3-#16	3-#16	- 3-#16 + 2-#16	3-#16	3-#16 2-#16	13-2L-#10@60 C/C	19-2L-#10@105 G/C	12-2L-#10@95 C/C	1-#16EF
3818	250	500	2-#16	2-#15	3-#16	- 3-#16 + 2-#16	3-≢16	- 3-#16 + 2-#16	12-2L-#10@85 C/C	19-2L-#10@100 C/C	13-2L-#10@90 C/C	1-#16EF
3B17	250	500	3-#16	2-#15	3-≱16	- 3-#18 + 2-#16	3-#16	3-#10 + 2-#16	12-2L-#10@95 G/C	18-2L-#10@110 C/C	12-2L-#10@95 C/C	1-#16EF
3819,3820,3821 ,3822	250	400	2-#16	2-#16	2-#16	2-#16	2-#16	2-#16	11-2L-#10@80 C/C	19-2L-#10@125 C/C	11-2L-#10@80 C/C	•
3B23	250	400	2-116	2-#16	2-#16	2-#16	2-#16	2-#16	11-2L-#10@80 C/C	2-2L-#10@125 C/C	11-2L-#10@80 C/C	1-#16EF
3B24	300	600	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16 2-#18	14-2L-#10@95 C/C	22-2L-#10@95 C/C	15-21-#10@90 C/C	2-#16EF
3825	300	500	3-#16	3-#16	3-#15	4-#16 + 2-#16	4-#16	4-≇16	14-2L-#10@95 C/C	19-2L-#10@105 C/C	14-2L-#10@95 C/C	2-#16EF
3826	250	350	2-#16	2-#16	2-#18	2-#16	2-#16	2-#18	9-2L-#10@115 C/C	7-2L-#10@115 C/C	9-2L-#10@115 C/C	1-#18EF
3827,3831,3835 ,3839	250	400	2-#16	2-#16	2-#16	2-#15	2-#16	2-≇16	11-2L-#10@80 C/C	2-2L-#10@125 C/C	11-21-#10@60 C:C	•
3B28	300	600	4-#16	4-616	4-#16	4-#16	4-#16	4-#16 + 2-#16	14-2L-#10@95 C/C	17-2L-#10@120 C/C	14-21-110@95 C/C	2-#16EF
3B29,3B33	300	600	4-#16	4-#16	4-#16	+ 4-#16 + 2-#16	4-#16	4-#16 2-#16	14-2L-#10@95 C/C	16-2L-#10@125 C/C	14-2L-#10@95 C/C	2-#16EF
3830,3834	250	350	2-#15	2-#18	2-#16	2-#16	2-#16	2-#16	B-2L-#10@115 C/C	7-2L-#10@115 C/C	9-2L-#10@115 C/C	
3B32	300	600	4-#16	4-#16	4-#1B	4-#16	4-#16	4-#16 + 2-#16	14-2L-#10@95 C/C	19-2L-#10@110 G/C	14-2L-#10@85 C/C	2-#16EF
3B36	300	600	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16 + 2-#16	14-2L-#10@95 C/C	18-2L-#10@125 C/C	14-2L-#10@95 C/G	2-#16EF
3837	300	600	3-#16	3-116	3-#16	+ 4-#16 + 2-#16	4-#1B	4-#16 + 2-#18	14-2L-#10@95 C/C	20-2L-#10@100 C/C	15-2L-#10@90 C/C	2-#16€F
3938	250	400	2-815	2-116	2-#16	2-#16	2-#16	2-#15	14-2L-#10@125 C/C	12-2L-#10@125 C/C	14-2L-#10@125 C/C	
3B40,3B41	300	600	3-#16	3-#16	3-#16	3-#18	3-#16	3-#16	14-2L-#10@95 C/C	11-2L-#10@190 C/C	14-2L-#10@95 C/G	





APPROVED BY:

PROPOSED TESDA
INNOVATION CENTER - URDANETA
BUILDING C

BUILDING C

AND A CONTROL OF THE CONTROL





ENDR. FRANCISCO B. NARAO JR.

REVIEWED AS TO PLAN:

ENGR ROT LOUITP MINGARACAL

AUSLITTED BY:

S-5

SHEET NO.

SHEET CONTENTS:

FOUNDATION PLAN

BEAM SCHEDULE (C28:Fy415) (LEVEL: 6 m)

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BEAM	S	ZE	BOTTO	M REINFORG	EMENT	TOP	REINFORCE	MENT	s⊦	EAR STIRRUPS		SFR
NUMBERS	8	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	3111
281,282,285,286 ,289,2810	250	500	3-#16	2-#16	3-#16	+ 3-#16 + 2-#16	3-#16	3-#16 + 2-#16	12-2L-#10@95 C/C	13-2L-#10@150 C/C	12-2L-#10@95 C/C	•
283,287,2811	250	500	2-#16	2-#16	3-#16	3-#16 + 2-#16	3-#16	+ 3-#16 + 2-#16	12-2L-#10@95 C/C	13-2L-#10@150 C/C	12-2L-#10@95 C/C	•
2B4	250	500	2-#16	3-#18	3-#16	3-#16 + 2-#16	3-#16	+ 3-#16 + 2-#16	12-2L-#10@95 C/C	18-2L-#10@110 C/C	12-2L-#10@95 C/C	2-#16EF
2B12	250	500	3-#15	2-#16	3-#16	+ 3-#16 + 2-#16	3-816	+ 3-#16 + 2-#16	12-2L-#10@95 C/C	15-2L-#10@125 C/C	12-2L-#10@95 C/C	1-#16EF
2813,2814.2815 ,2816	250	400	2-∌18	2-#16	2-#16	3-#16	3-≱16	3-#16	11-2L-#10@80 G/C	19-2L-#10@125 C/C	11-2L-#10@80 C/C	•
2917,2B26,2B31	250	400	3-#16	2-116	2-#16	3-#16	3-#15	3-#16	11-2L-#10@80 C/C	2-2L-#10@125 C/C	11-2L-#10@80 C/C	
2818,2821,2824 ,2827,2832,2818 ,2822,2825,2828 ,2833	300	600	3-#16	3-#16	3-#16	<b>4-#</b> 16	4-#15	4-#16	14-2L-#10@95 C/C	11-2L-#10@190 C/C	14-2L-#10@95 C/C	٠
2820,2823	250	400	3-#16	2-#16	3-#16	3-#16	3-#16	3-≢16	11-2L-#10@80 C/C	2-2L-#10@125 C/C	11-2L-#10@80 C/C	-
2B29	250	400	2-#16	2-#16	2-#15	3-#16	3-#16	3-#16	14-2L-#10@125 C/C	12-2L-#10@125 C/C	14-2L-#10@125 C/C	
2B30	250	400	2-916	2-#16	2-#15	2-#16	2-#18	2-#18	14-2L-#10@125 C/C	12-2L-#10@125 C/C	14-2L-#10@125 C/C	•

### BEAM SCHEDULE (C28:Fy415) (TIE BEAMS)

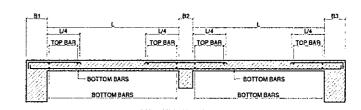
8EAM	SI	ZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			
NUMBERS	В	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	AIGHT	
ALL TIE BEAMS	200	350	2-#16	2-016	2-#16	2-#16	2-#16	2-#16	11-2L-#10@80 G/C	19-2L-#10@125 C/C	11-2L-#10@80 C/C	

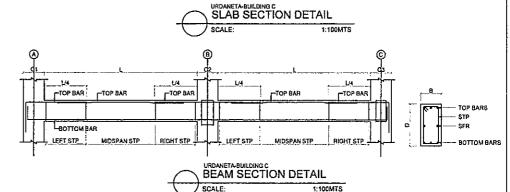


# SLAB SCHEDULE (C20: FY420) (LEVEL: 6 M)

	ļ	BOTTOM REI	NFORCEMENT	TOP REINFORCEMENT								
SLAB	SLAB	ALONG SHORT SPAN	ALONG LONG SPAN	OVER LONG	SUPPORT	OVER SHOR						
MARKED	THICKNESS	FULL LENGTH	FULL LENGTH	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS	END SUPPORT	DISTRIBUTION				
81, 55, 59	125	#10 @ 175 C/C	₱10 @ 175 C/C	#10 @ 175 C/C	#10 @ 175 C.C	#10 @ 175 C/C	≱10 @ 175 C/C	#10 @ 175 G/C				
S2, S3	125	#10 @ 175 C/C	#10 @ 175 C/C	#10 @ 175 C/C		#10 @ 175 C/C	₱10 @ 175 C/C	#10 @ 175 C/G				
S4	125	#10 @ 175 C/C	#10 @ 175 C/C	#10 @ 175 G/C			210 ₫ 175 C/C	#10 @ 175 C/C				
65, S10, S11 612, S13, S14	125	#10 @ 175 G/C	#10 @ 175 C/C	#10 @ 175 C/C	#10 @ 175 C/C		≢10 ∰ 175 C/G	#10 @ 175 C/C				
67	125	#10 @ 175 C/C	≱10 @ 175 C/C	#10 @ 175 C/C		#10 @ 175 C/C		#10 @ 175 C/C				









TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY



RECOMMENDING APPROVAL



PROJECT TITLE:

PROPOSED TESDA

INNOVATION CENTER - URDANETA

BUILDING C

PROPOSED TESDA

PROPOSED TESDA

INNOVATION CENTER - URDANETA

BUILDING C



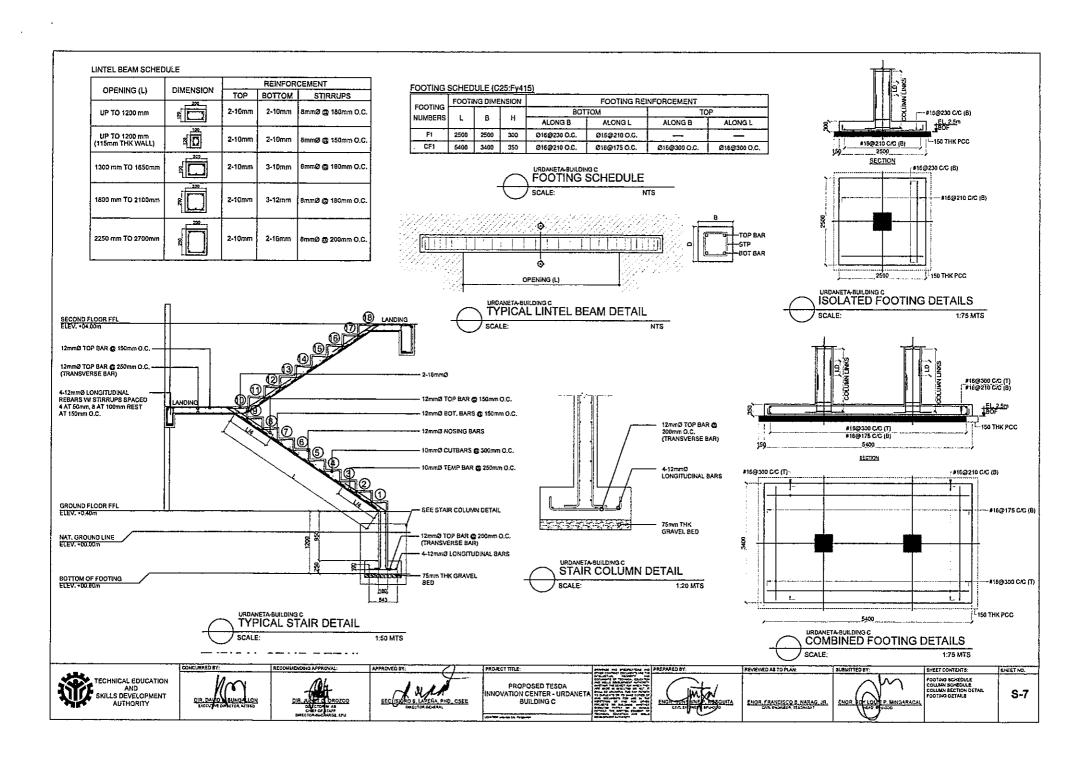




SHEET CONTENTS: SUBJUITED BY SEAM SCHEDULE SLAS SCHEDULE SEAM SECTION DETAIL SLAS SECTION DETAIL

S-6

SHEET NO.



FBEAM	C28 : Fy415 , COVER = 40 CONFINING ZONE = 500			15 , COVER = 4 YG ZONE = 500			\$15 . COVER = 4 NG ZONE = 500			115 , COVER • 4 NG ZONE • 500			15 , COVER = 4 NG ZONE = 500		C28 : Fy4 CONFINE	115 , COVER = 4 NG ZONE = 500	Orners M&L
8 €	Z1 MAIN LINK Z1 OTHERS	Z2 LINKS		Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK		Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	21 MAIN LINK		ZZ LINKS
THIRD FLOOR TO ROOF (9 M TO 12 M)	85 E 500	#10 @ 250 Ф#20	#10@ 100	#10 @ 100	\$10 @ 250	910 ⊕ 100	#10 Ø 100	#10 @ 250 @#20	#10 @ 100	#10 @ 100	#10 @ 200	#10 @ 100	\$10 @ 100	#10 @ 200 ##20	#10 @ 100	#10 @ 100	#10 @ 250 @#20
	12-#20			12-#20			12-#20			12-920		ļ	12-#20			12-#20	
D FLOOR	C28 : Fy415 , COVER = 40 CONFINING ZONE = 500	Omm MOA	C28 : Fy4 CONFININ	15 . COVER = 4 NG ZONE = 500	Orten MM	C28 : Fy4 CONFINI	115 , COVER = 4 ING ZONE = 500	Onen MM	C28; Fy4 CONFINI	115 , COVER = 4 NG ZONE = 500	MM MM		115 , COVER = 4 NG ZONE = 500			115 , COVER = 41 NG ZONE = 500	
H S	Z1 MAIN LINK Z1 OTHERS			Z1 OTHERS	ZZ LINKS	Z1 MAIN LINK		ZZLINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	21 OTHERS	22 LINKS	21 MAIN LINK	Z1 OTHERS	Z2 LINKS
5 05	#10 @ 100   #10 @ 100	#10 @ 225	#10 @ 100	#10 @ 100	#10 @ 225	#10 @ 100	#10 @ 100	#10 @ 200	#10 @ 100	#10 @ 100	#10 @ 250	#10 @ 100	#10 @ 1D0	#10 @ 200	#10 @ 100	#10 @ 100	≢10 <b>@</b> 250
SECOND FLOOR TO THIRD (8 M TO 9 M)	8	<b>9 9</b> 20	805	5500	<b>0 F</b> 20	8 1.	500	<b>p</b> #20	8	500	<b>9</b> #20	8	500	<b>a</b> #20	8 8	500	9#20
<u> </u>	12-#20		12-#20			12-#20		12-#20			12#20				12-#20		
OND FLR	C28 : Fy415 , COVER = 40mm CONFINING ZONE = 500 MM		C28 : Fy415 , COVER = 40mm CONFINING ZONE = 500 MM			C28 : Fy415 , COVER = 40mm CONFINING ZONE = 500 MM			C28 : Fy415 , COVER = 40mm CONFINING ZONE = 520 MM			C28 : Fy415 . COVER = 40mm CONFINING ZONE = 520 MM				15 , COVER = 40 NG ZONE = 520	
SEC	Z1 MAIN LINK Z1 OTHERS	Z2 LINKS		Z1 OTHERS	Z2 LINKS	Zt MAIN LINK		Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	ZI MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	ZZ LINKS
GROUND FLR TO SECOND FLR (2.5 M TO 6 M)	88 Fin ⊕ 100 Fin ⊕ 100 € 100	#10 @ 250 #20	#10 @ 100	#10 @ 100 500	#10 <b>@</b> 250	\$10@100 3	#10 @ 100	#10 @ 250 ##20	#10 ⊕ 100 8	\$10 <b>⊕</b> 100	#10@ 250 ##20	#10 @ 100 83	#10 @ 100 500	#10 @ 250	#10@100 8	#10 @ 100 \	#10 @ 250 @#23
	12-#20			12-#20			12-720			12-#20			12-#20		<del></del>	12-020	
FLOOR	C28 : Fy415 , COVER = 40 CONFINING ZONE = 500 I		C28 : Fy41 CONFINIA	15 , COVER = 44 IG ZONE = 500	omm MM	C28 : Fy4 CONFINE	115 , COVER = 4 NG ZONE = 500	Omen MM	G28 : Fy4 GONFINE	15 , COYER = 4 NG ZONE = 500	Omen MAN	C28 : Fy4 CONFINI	15 , COYER = 4 NG ZONE = 500	Omm IAM		15 , COVER = 40 NG ZONE = 500	
UND S.M.	Z1 MAIN LINK Z1 OTHERS			Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	ZZ LINKS	Z1 MAIN LINK	Z1 OTHERS	ZZ LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS
FOOTING TO GHOUND FLOOR (0 M TO 2.5 M)	#10 @ 100   #10 @ 100   8	#10 @ 125 @#20	#10 @ 100	910 @ 100	●10 <b>(</b> ● 150	#10 @ 100 1/- 8 3	#10 ⊕ 100	#10 @ 150 ⊝#20	#10 @ 100	#10 @ 100	#10 @ 150 @#20	\$10 @ 100	#10 @ 100	#10 @ 125 ##20	#10 @ 100	#10 @ 100	#10 @ 125 ##20
<b>-</b>	12-20			12-#20			12-120			12-#20			12-020			12-#20	
	C1, C2, C3, C4, C5, C C12, C13, C14	9, 010,		C6			C7, C8			C11, C15			C16, C20			C17, C18, C19	
NOTES:									· - · · ·		*****	•			·		



SECTION 1-1

- VERTICAL BARS

- VERTICAL BARS

VERTICAL BARS

VERTICAL BARS

1. BE > BOUNDARY ELEMENT AS PER ACI 318M - 2014, PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT

2. Z1 = SPECIAL CONFINING ZONE AS PER ACI 318M - 2014, Z2 = REMAINING ZONES AS PER ACI 316M - 2014

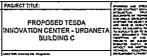


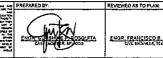










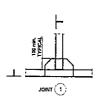


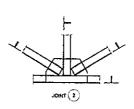




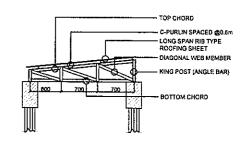
SHEET CONTENTS: OHEET NO. S-8

MARK	ITEM	SIZE/DESCRIPTION
1	TOP/BOTTOM CHORD	2-2"X2"X8mm THK, ANGLE BAR
2	VERTICAL CHORD	2-2"X2"X6mm THK. ANGLE BAR
3	DIAGONAL MEMBER	2-2"X2"X8mm THK, ANGLE BAR
USE :	GUSSET PLATE - 12mm THK.	PURLINS: 4"x4"x1.8mm THK. C PURLIN
		ALL WELD: 1= 8MM (FULL)/ E70x





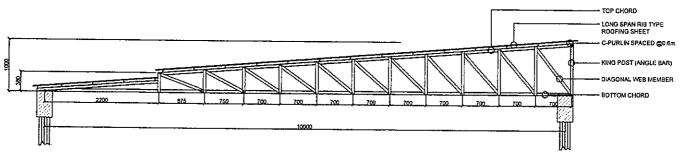


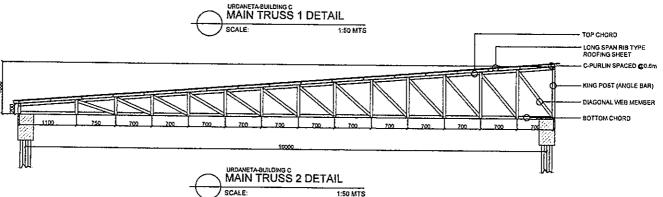






WRDANETA-SUILDING C MAIN TRUSS 3 DETAIL SCALE: 1.50 MTS





TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

OIR, AND R. BUNGALLO

DIR JUNE TO DROZOO

PHOTON V. S.

BMISTON AND MARKET

GEC, IMDRO 8, LAPERA, PHD. CREE DRECTOR DENEAMAL

PROPOSED TESDA INNOVATION CENTER - URDANET/ BUILDING C

PROJECT TITLE:

Orbite reprinct DOCUMPN AND THE INFORMATION PROPERTY AND DOCUMPN OF WOMENS DESCRIPTION OF PROPERTY OF WOMENS DESCRIPTION OF NOTIFICIAL PROPERTY OF AND THE NOTIFICIAL PROPERTY OF ANY PROPERTY NOTIFICIAL PROPERTY OF ANY PROPERTY FOR ANY PROPERTY OF ANY PROPERTY OF ANY PROPERTY OF ANY PROPERTY OF ANY PROPERTY PROPERTY OF ANY P

EMORT SUP INITIAL PROPERTY.

ENGR. FRANCISCO B. NARAQ, JR.

REVIEWED AS TO PLAN:

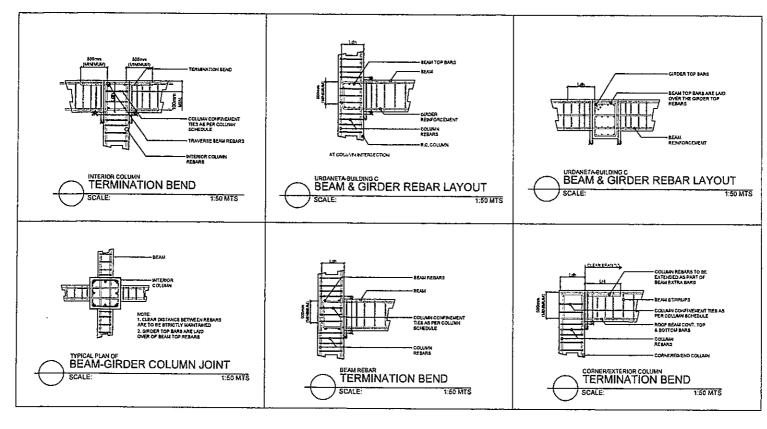
ENGR. EDY OUGP, MINGAGACAL

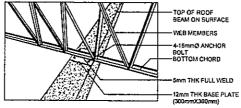
BUBLATTED BY:

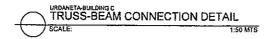
LINTEL BEAM GETAR.
STAR DETAILS
MAIN TRUSS DETAIL
MAIN TRUSS CONFECTION DETAIL
TRUSS CONFECTION DETAIL

BHEET NO.

SHEET CONTENTS:





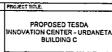














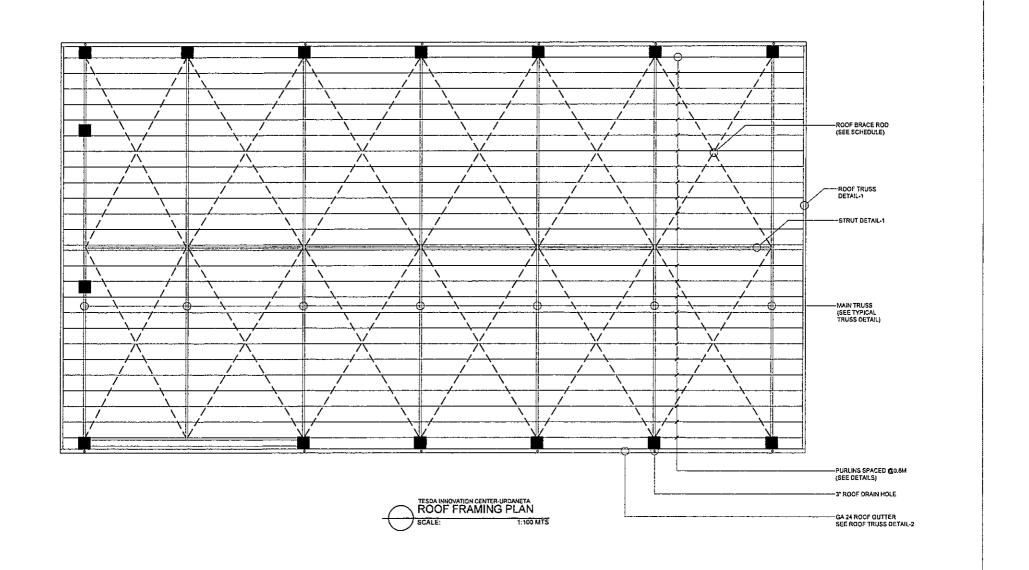




ENGR. SOFLO H. P. MINGARACAL ENGR. FRANCISCO B. NARAG, JR. CE-E ENGRALER TELEMENT

SHEET CONTENTS: EHEET NO. TYPICAL COLUMN-BEAM CONNECTION DETAILS TRUSS-BEAM CONNECTION DETAIL

S-10





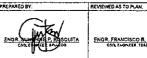


RECOURSENDING APPROVAL:







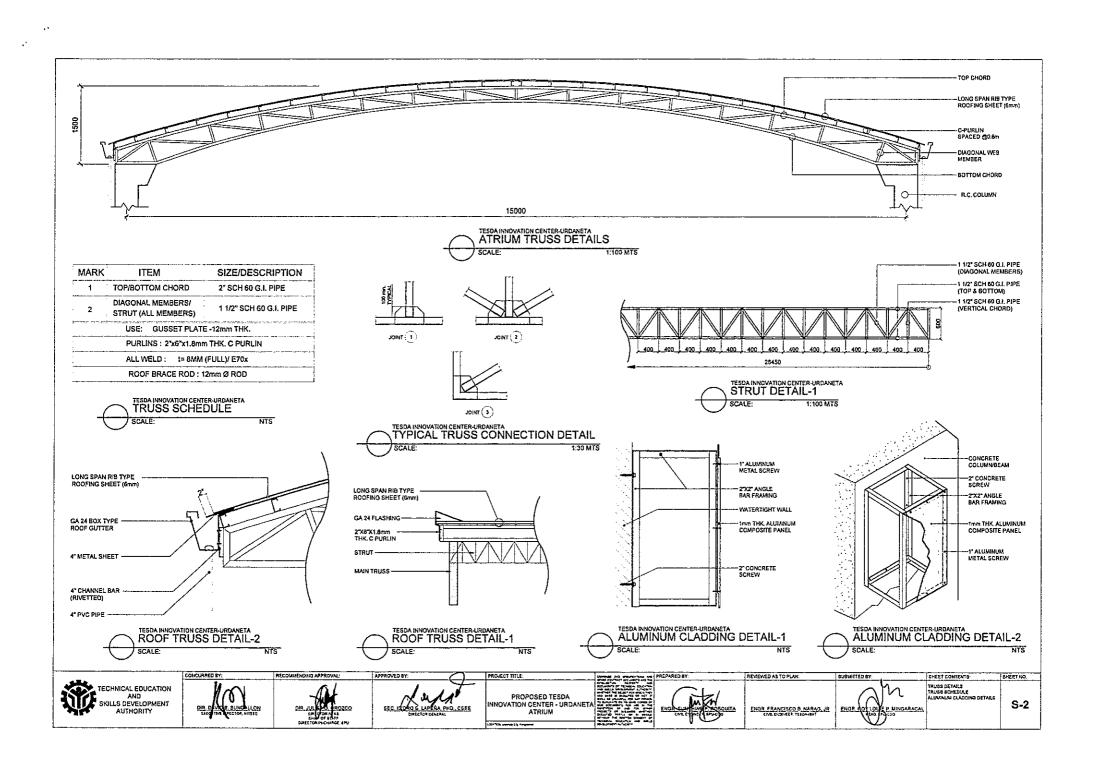


ENGR. FRANCISCO B. NARAG, JR

DUBLITTED BY: SHEET CONTENTS: ROOF FRAUING PLAN ENGR. COLLOLE P. MINGARACAL

S-1

BHEET NO.



#### REXERAL NOTES AND SPECIFICATIONS

- ALL DECIDION, MOINS TO BE UNDERHAND! HERE IN SMULL BE COME IN ACCORDANCE WITH THE PROVISION OF THE LITETA APPROVED ENTITION OF THE PRIMPINGE ELECTION, CODE THE LIMISTING DESIRAND CORDANIANCES, RULES AND REQUISIONS OF CTIT DEMORSTS OFFICE THE RULPHON ADMINISTRATION OFFICE AND INDUSTRIAL SAFETY AS WELL AS THE REQUIREMENTS OF THE UTILITY
- 2. ALL MATERIALS AND REQUIREVENTS TO BE USED HEREN SHALL BE NEW AND OF THE APPROVED TYPE FOR ITS LOCATION AND PURPOSE.
- 3. NO OF BRANCH CIRCUIT WIRING IN LICHTING AND POWER SHALL HAVE A LOAD MORE THAN 80% OF ITS RATING.
- 4. LIGHT CONTROL SWITCHES SHALL BE RATED 16 AMPERES, 230 Voc.
- 5. UNIESS OTHERMISE SPECIFIED PLALBOXES OR JUNCTION BOXES SHALL BE PROVIDED WHENEVER REDURED AND NECESSARY, ALTHOUGH SUCH BOXES ARE NOT INDICATED ON PLANS.
- FOR EACH SPARE DIRECT IN PANELBOARD, PROVIDE AN EMPTY CONDUIT 20mm(II) DA. TERBHATHIG TO A COVERED SQUARED BOX.
- ALL EOLEPHENT AND/NON CLERENT CARRING METAL FRAME, SHALL BE PROYUED WITH ADECRATE AND EXPECTING GROUNDING SISTEM.
- STANDARD TYPE OF ACCESSORIES, SPLICING DEVICES, TERMINATION AND OTHER APPLICATION.
- 9. POWER SUPPLY SHALL BE 400 VOLTS, 34, 4 WIRE PLUS GROUND, 60 HERITZ.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY UCCASED AND REDISTERED ELECTRICAL ENGINEER OR WASTER ELECTRICAL
- 11. UNLESS OTHERWISE INDICATED, MOUNTING HEIGHTS SHALL BE AS FOLLOWS:

A DAME BOARDS	1.80m CENTER OF EXCLOSURE
B. CONVENIENCE DUTLET	O.3m CENTER OF THE BOX
C. SWITCH OUTLET	1,30m CENTER OF THE BOX
D. CATY OUTLET.	0.30m CENTER OF THE BOX
E. CAC COUNTENTOP	0.30m FROM TOP OF LAVATORY 0.30m FROM TOP OF KITCHEN SINK
C THE POST COMET	O Non COOTER OF THE BOX

- 12. THE JOB SHALL BE EXCEUTED IN THE MOST THROUGH PROMPT AND WORKDAM LIKE MANIER. EMPLOYING STANDARD TOOLS, DOUBHERED, METHODS AND GOOD DEVELOPING PARTICLES. THE JOB SHALL BE FORE SE RECOVERED IN PLANS AND SPECIFICATIONS AND REGULT FOR OPERATION.
- 13. ADDITIONAL WATERWAYS SPECIFICATIONS:

A, CONDUIT	"PANASONIC", TAC CRLL", "SMARTUBE" OR APPROVED EQUAL
BL WRES AND CABELS	PHEPS DOOCE", PHILILEX", DURAFLEX OR APPROVED EQUAL
C. CARCUIT BREAKER BO	ARDNAME", DE", "SCHWEIDER ELECTRIC" BOLT-ON TYPE OR APPROVED EDUAL
O MIDER DESIGN	"DANGE CHAP" "I DATOM" "SCHAMENED ELECTRIC" OR APPRIMED FOLLI

- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER IDOMINICATION AND LABELAND OF ALL CIRCUIT BREAKER, EACH PANEL WILL BE APPROVED WITH A TYPEWRITIEN CIRCUIT DIRECTORY.
- 15. MRES SHALL BE COLOR CODED:

THREE PL	WSE.	
JNE 1	.RED	
ME 2	YELLO#	
HE 3	.BLUE	
EUTRAL	WHITE	
YEAR DOOR		

- 16. NO REVISION IN DESIGN SMALL BE DONE WITHOUT THE PROFIT KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER, ANY SUCH REVISION DONE WITHOUT THE APPROVAL SMALL CAUSE RESPONSIBILITY OF THE DESIGNER TO CLESSED A MIDLE.
- 17. ALL WEATHER-EXPOSED INSTALLATIONS SHALL USE WEATHERPROOF TYPE MATERIALS, ESPECIALLY WEATHERPROOF CONVENIENCE OUTLET, CAST-BOXES, JUNCTION BOXES SUBJET SAMPLE FOR APPROVAL.

#### **ABBRETIATIONS** œ MSF

CONVENIENCE OUTLET

MUMEIER

0	EXHAUST FAN
FCU	FAN COIL UNIT
ACCU	AR-COOLED CONDENSING UNIT
ECB	ENCLOSED CIRCUIT BREAKER
MCS	MHATURE CIRCUIT BREAKER
TX	TRANSFORMER
ATS	AUTOMATIC TRANSFER SWITCH
A AMP	AMPERE
AF.	AMPERE FRAME
AT	AMPERE TRIP
INC	INTERNIEDIATE METALLIC CONDUIT
7	JUNCTION BOX
MC	KALOAMPERE INTERRUPTING CAPACITY
kva.	KILOYOLI-AUPERE
kwist	KILOWATT-HOUR
Leff .	KALCHKATT
	KLOVOLT
<del></del>	UCHTHIO ARRESTOR
LV 3P	LOW VOLTAGE THREE POLE
UPVC	UNPLASTICIZED POLYVINYL CHLORIDE
V	WXT
CB	CIRCUIT BREAKER
CKT	CRCUIT
CT.	COMMECTED LOAD
	DAMETER
0851	DISTRIBUTION
Df	DEMAND FACTOR
DL.	DEMAND FOND
DP	DOUBLE POLE
ENCL.	ENCLOSURE, ENCLOSED
G, CHO	GROUND
HZ	HERTZ
H	METER
MD.	MOUNTED
MTG	MOUNTING
MCB	MAIN CIRCUIT BREAKER
MCCS	MOLDED CASE CIRCUIT BREAKER
LISB .	MAIN SWITCH BOARD
NO./ #	NUMBER
P	POLE
PH	PHASE
PAC	POLYMAN CHLORIDE
1MC	DITERMEDIATE METALLIC CONDUIT
Tribute	MOSTURE & HEAT RESISTANT THERMOPLASTIC
TYP	TYPICAL
TR	MOSTURE RESISTANT THERMOPLASTIC
LVSC	LOW VOLTAGE SWITCH GEAR
Sp	STINCROMEZING PAHEL
- <del>-</del>	ELECTRICAL EQUIPMENT
PP	POWER PANEL
LP TP	LICHTHING PAREL
DP	DISTRIBUTION PAREL
DS	DISCONNECT SMITCH
RO .	RESER DOWN
RU	RISER UP
PFC	POWER FACTOR CONTROLLER
PR	POWER FACTOR INDICATOR
AHU	AR HANDLING UNIT

#### LIGHTING LEGENGS AND SYMBOLS

RECESSED WOUNTED, 13W LED DOWNLIGHT
WALL MOUNTED, 13W LED COMMUNCHT
SURFACE MOUNTED, 1200mm, 20W LED FLUORESCENT LIGHT
2x20W, 300mmx1200mm, CEILING RECESSED FLUORESCENT LICHTING FOXTURE
5×13W TRACK LIGHTING FIXTURE
WALL MOUNTED, ELEVATOR SHAFT LICHTING FOTURE
Suspended 200% High Bay Lumbhare
8W EXIT LIGHT WITH 2HRS BATTERY PACK
CONCEALED LIGHTING
13W SURFACE MOUNTED UPLIGHT
INDICATION FOR LUMINAIRES WITH 2HRS BATTERY PACK
I CANC, SINGLE POLESINGLE THROW SWITCH, 15A, 230V
2 GANG, SINGLE POLESINGLE THROW SMTCH, 15A, 230V
3 GANG, SINCLE POLESINGLE THROW SWITCH, 15A, 23OV
RISER UP/DOWN
JUNCTION BOX (CONCEALED LIGHTING PROVISION/TAPPING POINT)

#### AUXRIMAY SYSTEMS LEGGING AND SYMBOL

9	DOME-TYPE, IP-BASED CCTV CAVERA
	IP BASED CAMERA, FIXED TYPE, WEATHER PROOF
*	VOICE/DATA OUTLET
	FLOOR MOUNTED VOICE/DATA OUTLET
<b>a</b>	NPUT MODULE
	CROUND BAR
•	SMOKE DETECTOR
•	HEAT DETECTOR
DED4	STROBE LIGHT WITH SOUNDER
	MANUAL PULL STATION
₩	FRENAN'S TELEPHONE JACK
est.	FIRE ALARM CONTROL PANEL
■ RU/RD	RISER LIP/DOWN

### naura iratika tika eviledi.

LOWER TERMS I VAN 2.4	mu.
•	DUPLEX CONVENIENCE OUTLET
86	FLOOR MOUNTED COMMENCE OUTLET
Φ	SMPLEX CONVENIENCE OUTLET
ФНД	HAND DRYER PROVISION
0	SPECIAL PURPOSE OUTLET
ø	JUNCTION BOX
ים	DISCONNECT SWITCH
83	ENCLOSED CIRCUIT BREAKER
E	DISTRIBUTION PAREL
3	PAHELBOARD
. TT	CROUND BAR
•	CROUND ROD WITH TESTING PIT
0	CROUND RCC
◆RU/RD	RISER UP/DOWN
←•→	EARLY STREAMER EMISSION LICHTRING PROTECTION





APPROVED BY: SEC, ISIDEO S. CAPEJA PHO, CSEE PROJECT TITLE: PROPOSED TESDA

INNOVATION CENTER - PTC URGANETA

PREPARED SY ELECTRICATION PROCES

REVIEWED AND SUBJECTED BY Ñ ENGR. ROY LOVE P. HINGARACAL

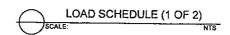
SHEET NO. SHEET CONTENTS: GENERAL HOTES LEGENDS AND SYSTEOLS E0-00

PAYEL NA FED FROM STETEM	A UTI	W-GJA LUTY COLVPANY NACJA, 4W+G, KINY													_		LOCATION: ELECTRA MOUNTING WALL & ENGLOSURE NEWA	ACUNTE	
CET NO.	Γ	DESCRIPTION	CONN.	DEMAND	DEMANO	VOLE		A	w		Ī	CIRC	UT JA	LAKUR		CALL	C SUZE	CO	TUCK
	PP-GFA		1010	TACTOR	LOAD		. 10	AH	8%	OR	AT	N	POL	LAK	1771	PHAST	GROUND	2128	to
	PP-TELCO		4100	0.74	12,572	230	31.7	301		150	125	9	13	10	MCG	4 - Samm2 YHWN	1 - IAmer 2 TW	50	100
	22-C4C		5,600	1.00	.064	5330	<b>!</b>	10	717	22	300	100		15	MCG	4 - 30mm2 THINK	1-8 Grand TW	12	IM
	27:GE		33,961	673	24,758	230	23.5	17.5	412	12.1	100	100	3	18	MCC	6 - 30mm2 THAN	1 - II On - 2 TW	40	1
	PANE			073	14,447	230		131	22.3	31.0	50 .	100	<u> </u>	12	MCC	4 - 14mm2 THANN	1-80mm2TW	3.2	100
	PP-NC		4,014	0.00	3,209	110	⊢		106	<u> </u>	40	28		_18	MCC	4 - E.Drom 2 THOWN	1 - 5 5mm2 TW	17	PVI
	SPARE	<del></del>	4,014	0.90	1,709	220	_	1.1	10.6		40	8	3	13	MCC9	4 - B Omm2 Threm	1-5 Smith TW	1.7	PVI
	SPARE						<b> </b> —	ļ		<b>!</b>	90	100	3	10	MCCB				_
	PANI		-		-		<del>                                     </del>	<b>—</b> —		⊢-	50	LX,		10	SACCE				
=										$\vdash$	-	MARI CI	ACUTT	MEAK		ļ	MAINFLEDER		
	TOTAL CON	MECTED LOAD	111,450	0.73	21,658	200	\$7.27	95.41	136.47	\$0.90	150	150	ŀ	22	MCC	4 - 40mm 2 THANK	1-Janual TW	0	Pro
O CHANGO CHANGO LUD JATO!	OAD:		G75 DESE VA										,	130	W	3 POLE, 400V			
	CHLAST:	·	INTI ANN									PHASE: GROUN CONDU	Э:		1 - 14ma	IZ TRANI IZ TW MM B ISAC CONDUIT			

PANEL NA PED PRON	t: NOP-G/A															LOCATION: ELECTRIC		
AZLEM:	ACCUAC, De, IWHG, KING															ANOUNTING WALLA ENCLOSURE: NEWA:		.0
CXT NO.	DESCRIPTION	CONN.	DEMAND	DEMAND	T	1		JAP		—	FIRE	MI BA				_		
LX) NO.		LOVE	FACTOR	LOAD	VOLT	30	AN	E4	T CH	AF	AF			1774	PHASE			TUCH
	DGHTH40	744	0.90	673	230	1	3 23	<del> </del>	<del></del>	20	100	1	10	NC.	2-33mm2THAN	GADUND	121	177
	DENTING	. 734	0.80	641	210	1	3.13	-		20	tro	Ιŧ	15	17.	2-3 Sonn J Tithen	1 - 3 Smm ) TW	20	1.00
3	UGHTHE	1,800	0.90	1,629	210		1	7.83		20	100	1	10	WC3	1-15mm2Thmm	1-15mm11W	20	1
4	CONVENIENCE OUTLET	900	0.65	540	230	<del>,                                     </del>	_	3.93	┰	30	100	+	10	44C 8	1-15mm2 Trees	1 - 1.5mm   TW	70	M
,	CONVENIENCE DUTLET	1,080	060	643	233		1-	1	470	20	im		10	MCI		1-1 Smm2TW	20	<u> </u>
	CONVENIENCE DUTLET	1,420	0.60	977	230	1		1	701	20	100	1	10		2 - 3 Smm2 THWY	1 - 3 5mm2 TW	20	PW
	CONVENIENCE OUTLET	1,260	0.00	756	210	1	5.44	1	<del> </del>	20	100	+	10	MCI	2 - 3 Smm2 There	1-35mm2TW	20	
	CONVENIENCE OUTLET	500	0.40	340	730	_	3 91	-		20	200	1			2-15mm2THAN	L- 3.5mm2 TW	20	M
•	CONVENIENCE OUTLET	900	0.60	340	230	!	473	200	<del>-</del>	20	1/20	+-	10	1K3	2-35mm27HWN	1-15mm17W	20	100
13	FCUPACIVISION	600	0.70	420	230		<del>                                     </del>	261		20	100		10	M/B	1-15mm2750v4	1 - 1 5mm2 TW	20	-
13	ATRIUM UGHTING	1.600	100	1,800	730	<del> </del>	-		416	70		. 1		301	1-15mm2THAN	1-15mouth	20	<u>† 134</u>
12	ATUDM DISHING	1,600	100	1,600	230		<del></del>				100		10	MCI	2-15mm2THMM	\$ - 1.5mm2.TW	20	L PY
D	FACE FACUISION	1,000	100	1,000	110	ļ	433	٠	6%	20	9		18	W.	2 - 3 Smm2 THAN	1 - 1 Smm / TW	ď	×
	CCTY COAL SWITCH PROVISION	1.000	100	1000	233	<del></del> -	435			20	tto	1	LO	LICE	2-35mm2THMM	1-15mm77W	×	1
	OF FOWER PROVISION	100	1.00	1,000	230	<del> </del>	4.15		_	20	100	_1_	. 10	HC.	7 15mm1Draw	1 - 1 Smm 2 TW	33	×
	ACCU-27A-01	1,078	5 70	734	230	—-	-	435		20	120		10	IK.	2 · 1.5mm2 THAM	1-15mm1TW	20	7/0
	ACEU-2/A-02	LON	0.70	754	230	-	<del>-</del>	14	<b></b>	20	100	-	10	ACT	2 - 3 5mm2 Drwit	1 - 3 Sept.) TW	20	LIME
	ACCU-29A-02	1,070	620	754	21	-	<u> </u>	-	468	20	100	1	10	MCL	2 - 3 5 mm 2 THMH	1-15mm2TW	20	Tive
	ACCUATA-CI	- 40	0.70	453	230	<del> </del> -			4.64	20	100		10	MCB	Z- 2.5mm2THWN	1 - 15mm TW	70	1140
	ACCU-2FA-60		0.70	453			1.11	_		20	100	ı	10	MCA	2-15mm2Th/hW	1 - 1.5mm2 TW	8	1140
	ACCU-27A-CO		0.70	455	230		212			_20_	100	1	10	MC 8	1 15mm1 THAN	1 - 15mm? TW	70	INC
	PAN	<del> 1</del>	_~~	****	230	├─		2.LT		20	, soo	_1_	10	MC.	2 - 3.5mm3 TMAN	1+15mm7 NY	70	TIMO
	ACCU-GFA-O4	31,976	0.70	13.381				_		20	LDO	1	14	MC1			$\vdash$	_
	PAU	75.00	4.0	17,343	400	31.72	⊢			100	100	3	18	LKO	4 · B Drom 2 THWW	1-55mm17W	25	7540
			$\overline{}$			_	<u> —                                   </u>			1/20	\$00	. 3	13	MCCa -				_
							ــــا				1						$\neg$	
	TOTAL CONNECTTO LOAD	41.004	624				_		_			CUIT (	Ž	-		MAIN PEEDER		
	TOTAL CONNECTION DE		. 624	\$2,572	230	F1.72	<b>30,14</b>	30 11	11.00	125	150		11	MCD.	4 - Sümmü TROWN	1 - 14mm2 TW	10	MAC
MANOT		74																
МАНДЦ											115	AT.	150	Af	3 POLE 400V			
		72 VA																
TAL CUIL	12MTC 47:	OI AMPS									PHULE			4 - \$0mm	ZTANA			
											GAOUNI	D:		1 - 14				
											CONOUS	_			HOTE OF THE CONTRACT			

										Ī					MOUNTING WALL N	CUNTE	
DESCRIPTION	CONH.	DEMAND	DEMAND	Part .			W.			O.C	X3 84	LAKER		CAR	i vit	ca	TUCH
					30	AH	BM	CH	AT	W	POLE	MAK	fire	PHASE	CADUNO	SIZE	TY
						3.12			70	700	1	10	NC#	1 ISTURETHAN	1-15mm21W	20	
						112			20	100	1	12	W.	2 - 3 5mm2 THWW	1 - 1 1 mm 1 tW	20	i PV
							6.24		20	_100	1	10	MCI	1-15mm2THAN	1-33mm27W	20	1 1
							104		_20	100		10	MCI	2 - 1 5mm2 THAN	1-35mm17W	20	l M
						I		217	20	100	:	10	MCI	2 - 1 Smm2 Drawn	1-15mm15W	20	-
			-00	110		1		217	20	100	1	10	MCS	2 - 1 Smm2 (2000)			PV.
	1,080		754	210		4.70			30	100	ī	10	6KL	2 - 3 Seven I THAN N			PV
	140	_Q (C)	197	230		104			20	100	1	10	MC.	I - 3 Smm2 DGAN			-
	500	0.80	400	230		$\overline{}$	2.17		20	100	ī	10	W/3				PV
	\$400	0.00	400	230		$\overline{}$	2.17		20	100	1	10	MC				1
	3,063	0.70	2144	230				11.12	40	120	•	to					19.0
	2 0 63	470	2,144	230				11.12	40	100	-	16	MCB				114
	2,434	420	1,706	130		10.00			30	120		10	har a				144
	2.438	0.70	1,706	230	_	10.60			30	100	1	LD .	440				114
	2.438	0.70	1,701	230			1360	_	10	100	i						13,0
					-			$\overline{}$	10	100	<u> </u>			7,500,000	3-334-214	~~	
																	-
PARE											÷						
PARI	1		$\overline{}$													_	
	1								**		_		-77,			-	-
	$\neg$								_	4434 (1)	NI I	A74F	-		Athen France		
TOTAL CONNECTED LOAD	19.874	0.71	16.447	233		1112	22.75	-		100			MCCE	4 - Marrie Tiller	1-20mml TW	32	PVI
	INCR-CIA, M. AVI-IL, BORA  DESCLIPTION LISTENS	NON-CTA	NON-CIA MONTAL SANCE SONO SONO SONO SONO SONO SONO SONO SON	MOP-CFA S. AVII. 0049  DESCAPTION CONT. CONT. DEMAND DEMAND CONTROL CO.	NON-CIA MANNO, MANNO, MANNO MANNO, MANNO M	NON-CTA MANYOL 6004  DESCRIPTION CONN. DEMAND DEMAND VOICE OF THE CONTROL OF THE	MON-CIA   MON-	MON-CIA   MON-	DESCAPTION	DESCRIPTION	MON-CIA   MON-	DESCAPTION	DESCAPTION	ACOMAC, M., 49Vol, 5094   ACOMAC, M., 49Vol, M. ACOMAC, M., 49Vol, M., 49Vo	ACAPACA   MANUAL   MANUAL	DESCRIPTION   COVER   DEMAND   DEMAND	DESCRIPTION   CONN.   DEMAND   DEMAND

FANEL NA FEO FROU SYSTEM		<b>0</b> 4														LOCATION: HALLWA MOUNTING: WALL N ENCLOSURE: NENA	MUNIT	٥
CAT NO.	PESCUPTION	COHN.	CEMAND	DEMAND	YOUT		A5	.17			disc	ULT BAS	ALIA		CAR	15:21	(0)	TOUCK
	DCHDMG	LOAD	FACTOR	LDAD		<u> </u>	AN	BM	CN	AT	¥	è	Š	ξ	PHASE	CKOUND	15:21	TYP
		434	0.90	415	110		2.15	_		20	100	_1_	10	MCIL	2 - 3 Smm2 THWH	1-35mm27W	20	M
	CONVENIENCE DUTLET	1.080	0.70	754	ນນ		470			70	120	1	5	MCI	2 - 15mm2 THAN	1 - 3 5/2002 TW	20	PV
	COMMEMIENCE COLULT	1,440	0.70	1,008	330			6.76		.20	300	- 1	10	MOL	3-15m-17mm	1-15mm2TW	20	PY
	REFRIGERATOR OUTLET	3,000	100	1,000	230			4 33		20	100	,	10	W	2-15mm2 THAN	1-15mm2 DV	20	-
	IAAI						I			20	100	1	10	MC				
	SPAS[		1				1		_	20	100	1	10	W			1	
	SPARE		E						$\overline{}$	-20	100	1	10	146				_
•	SPARE									20	100	1	10	w				
=							$\vdash$	_		!	AAIK O	MUIT	MEAN	-		MAIN FORDER		
	TOTAL CONHECTED LOAD	4,014	- 100	1,200	230		4.00	10.63	600	40	100				E- E-Drom2 THOWN	1-5.5mm2TW	12	
EMAND I EMANDE OTAL CU	מאם:	0.80 1239 VA 4.63 AMPS									40 PHASE; GROUN CONDU	TD;	100	AF 4 - 8.0mm 1 - 5.1mm	3 POLE, 400V		1., <del>-1</del> .,	











PROPOSED TESDA INNOVATION CENTER - PTC URDANETA

		WITH AND IN
***	4 (10)	70.7
		A BLATS
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ETICH JOHN C SANTO

EMED AND SUBMITTED BY:

SHEET CONTENTS:

LOAD SCHEDULE (I OF 2)

IN REYLOLE P. MINGARACAL

LOAD SCHEDULE (I OF 2)

E0-01A

SHEET NO.

PANEL NA FEO FAON STSTEM:		0-lz														LOCATION: UTILITY O MOUNTING: WALL & ENCLOSURE: NEWA :	OUNTL	
CXT NO.	DISCAPTION	CONH.	DENMAND	DESTAND	VOLT			w		L		JIT 6A			CASI	ESIZE	CO	KDUT
		LOAD	PACTOR	LOAD		30	AM	BN	ŏ	AT		POLE		TrPE	PHASE	GROUND	307	TYP
	LIGHTING	879	6 90	791	230		312	-	_	75	100		10	IK.	2-15mm2THWN	1 · 150mm2 TW	20	. PV
	LIGHTING	679	090	611	230		2.95	<u> </u>		20	100		10	140	2-35mm2THAN	1-15mm21W	_20	1
	CONVENIENCE DUTLET	1,080	0.70	754	230_		-	1.70		20	100		10	MCI	2 - 1.5mm.; THWH	1-15mm21W	. 20	-
	CONVENIENCE DUTLET	1,760	0.70	EA1	230			14		20	100	_	10	1KE	2 • 3.5mm2 THWN	1 · 1 5mm2 †W	20	PV
	CONVENIENCE OUTLET	1,080	0.70	754	233	_		-	4.70	70	100	1	10	MCI	2 - 3 Smm2 THWN	1-J.5mm2TW	20	3
	CONVENIENCE DUTLET	900	270	. 630	230	$\vdash$	<b></b>		1.91	_20	200	1	10	MCI.	2 - 3.5mm2 THWN	1 - 3 5mm2 TW	20	FV
	CONVENIENCE OUTLET	1,060	0.70	754	210		4.70	_		. 70	100	1	10	LICO.	2 - 3 5mm2 THWH	1 - 3 5 mm 2 TW	20	PY
	FLUSH AND FAUCET SCHSOR	300	2 (4)	240	230		1.10			×	100	1	10	MCI	2 - 3.5mm2 THNN	1-15mm2TW	20	PS
	HAND DATER	500	0.80	400	230			717		30	100	1	2	HCD	1 - 1.5mm2Th/Wh	1+35mm2TW	20	844
	HAND DAYER	500	0 10	400	230			7 17		20	100	_1	10	MCS	2 - 3 5mm2 THWN	1 - 3 Smm2 TW	20	PV
	FLUSH AND FAUCET SENSOR	300	0.00	340	210			L	\$ 10	20	100		15	MCS	2-15mm11HWN	1-15mm2TW	70	PV
	HAND DAYEA	500	0.80	400	230				2.17	20	100	. 1	10	MCB	2-35mm2 Drivin	1-15mm2TW	20	PVC
	HAND ONTA	500	8.80	400	230		2.17			29	100	1.	10	ICE	7-15mm2 DOWN	1-15mm2TW	20	FV
	FCU PROVISION	600	0.70	420	730		5 63			20	100	1	10	1K(I	2-35mm2THWY	1-15mm2 [W	130	FY6
	ACCU-1°C-G2	3,063	070	2,144	200	_		13 32		40	100	1	10	MCI	2+5 Smm2 THWY	1 - 5 5mm2 TW	70	ILL
	ACCU-2FC-02	1063	0.70	2,144	230			11 15		_40	100	1	10	_vci	2-55mm7THWN	1 - 5 5mm2 TW	50	18.80
	ACCU-GFC-01	17,690	670_	12,129	400	25.55				70	100		5	MCB.	4 - B Drum2 THAN	1 - 5 5mm2 TW	25	INC
11	SPARL				430	-				70	120	1	:0	MCF				
						-					WAIK O			<u></u>				
	TOTAL CONNECTED LOAD	33,441	0.72	24,354	230	21.11	17,54	41.15	12.09		100	3	14		4 - SOmm2 Trewn	MAIN FEEDER	40	
EMAND! EMANDE	040:	0.72 34358 VA 35.15 AMPS						25.55			100 PHASE		100	W	3 POLE, 400V	4-summa(W		PVC

											GROUN	de:		L-5.5mc	n2TW			
DTAL CU	RRENT:	4.63 AMPS									PHASE:			1 - 2.0m/	n2 THWH			
CHAMS CHAMS	FACTOR:	0.30 3200 VA									40	AT	700	N.	1 POUL 400V			
	TOTAL CONNECTED LOAD	4,614	0.80	_LLX01	230		E.M	1061	6.00	40	100	7	μ	MCCI	4 - B.Omma THOW H	1-SSmmt TW	32	m
				ļ							MAIN	<b>ACUIT</b>				MAIN FEEDER		_
	SPARI									8	100	1	9	MCS			-	
7	SPARE									20	100	1	10	MCS				┢╌
6	SPARI					-				20	100		10	VCI				-
- 5	SPARE							-11		20	100	-	10	MCI	1- 4 promit injusts	4 - 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1.
4	REFAIGERATOR OUTLET	1,000	100	1,000	230	_	_	4.55		20	100	H	10	-	2-15mm2THWN	1-15mm2TW 1-15mm2TW	20	٠.
	CONVENIENCE OUTLET	1440	0.70	1,000	230		7.7	6.26		20	100	H	10	NCI	2 - 1 Smm2 THYN 2 - 3 Smm2 THYN	1-15mm2TW	20	Ľ
	CONVENIENCE DUTLET	1,000	670	756	130		4.70	-		70	100		10	MAR.	2-15mm3 (HAN	1-3 SmmlTV	20	با
<u> </u>	UGHTNG	494	0.90	445	730		7 13	- BH	ζN	AT 20	100	-O(I	10	TYPE	PHASE	CADUNO	sarı	T
EXT NO.	DESCRIPTION	LOAD	PACTOR	DEMAND	VOLT	10		WP		L.		UT PU			CASU			UCP
KIKM	400VAC, 3a, 4W-K, 6	O4I														INCLOSURE: NEMA:	ı	
ED FROM																MOUNTING: WALLA	TIVUO	٥
ANEL NA																LOCATION: HALLWA	Y	

KH J3KAY KOR1 D3 Y																LOCATION: TELEO A		
YSTON	400YAC, 34, 49Y-6, 6	Δнц														MOUNTING WALL R ENCLOSURE: NEWA		Þ
CAT NO.	DESCRIPTION	CONN.	DEMANO	DEMAND	VOLT		A	n			CIRC	ut Pi	EA CES		CABL	( PM	T CO	N DUIT
		LOVO	FACTOR	1040		30	AN	EN	CH.	AT	. Af	POU	MK	TYPE	PHASE	GNOUND	5476	
_1_	UGHTHG + CO	240	0.90	116	230		104			20	100		10	MCI	1 - 3 Syve2 THWW	1-35mm27W	20	Pyt
	SPARE		<del></del>		Ь				└	30	100	1	10	MCB			1	
	IT COUPPMENT	1,000	100	5,000	230	<b>.</b>		71.74		70	100	1.1	10	MCI	2 - 5 Smm2 THAYN	1 - 5.5mm2 TW	25	PVC
	SPARE		<b>└</b>		<b></b>					23	100	1.	10	WEB				1
	ACCU-GF-01 [DUTY]	448	7.00	GUZ .	230	L			2 82	20	100	1	10	WCB	2 - 3.5mm2 THWH	1-1 Smm2 TeV	20	PV
	ACCIDIGE-DI (STANCIOT)	- 44	100	<u>u</u>	230	<u> </u>	L		2 83	20	100	1	10	MC1	2 - 3 5mm3 THWH	1-15mm2TW	20	PV
	SPARI		ļ <u> </u>		<b> </b>					20	100	-	12	40			$\overline{}$	1
	SPARE		ļ		<u> </u>		ļ			20	100	_1_	13	MCS			1	
				<u> </u>			_		<b>_</b>	⊣	WIN C	ACUIT	LL.	LR.		MAINTEIDER	Ε.	
	TOTAL CONNECTED LOAD	5,366	1.00	5,864	230		1.64	11.74	2,82	100	120	3	7.8	MCCB	4 - EDmin 2 THINK H	1-80mm2 PW	12	(8.0
ENAMO!		1.00 5864 VA									106	AT	340	W	1901, 40V			
OTAL CU	U(NT:	25.46 AMPS									MASE			4 - 3000	nž THWN			
											GROUN	co:		1 - LOme	m² TW			
											CONDU	mt)		12	та фіме соност			



				SHDF	T ORCUIT C	ALCULATIO	DN .						
TRANSPORMER La.C. sym RMS Total Apparent Power	16237.99 113	kvA		Amps Mater (C	netribution!	97,43							
VOLTAGE (Primary)	34.5	kv		1 s.c Motor Co	,	389.72							
VOLTAGE [Secondary]	400	ν		1 F Ea		0,2934							
IFL	162.38	•		"M"MULT		0.7731							
TX %2	1.00			I a.c. aver		12554.17							
M(100/%Z)	100.00					*****							
"C" Value	20566												
8 Sets of Conductors	1												
Langth (ft)	B5.83												
Total I LC. sym RMS	12943.89												
FAULT POINTS			Т		Г	1	r –				· · · · ·		
FROM	то	CABLE SIZE	Available I s.c. from upstream	NO. OF SETS OF CONDUCTORS	CVALUES	LENGTH (ft)		"M" MULTIPLIER	ISC SYM	Total Corrent	MOTOR CURRENT CONTRIBUTION	ITOTAL S.C. SYM RMS	Specifie KAIC RATING
UTILITY COMPANY	MDP-GFA	60	13,234	1	8,925	61.19	0.3929	0.7179	9,501	121	290	9,211,27	22
MDP-GFA	PP-GFA	50	9,689	1	7,293	6.56	0.1238	0.8399	8.622	47	188.06	8,809.99	16
MOP-GFA	PP-TELCO	1 20	8,724	1	4,274	20.00	0.1583	0.6634	7,532	25	101.97	7,633.94	18
MOP-GFA	PP-GFC	30	8,763	1	4,774	48.78	0.3877	0.7206	6,315	35	141	6,453.16	18
MOP-GFA	PP-GFE	и	8,705	1	2,425	217.78	6.0049	0.2428	1,243	21	83	1,326,15	18
MOP-GFA	PP-3/1	1.0	9,501	1	1,557	165.63	16.0877	0.0585	356	5		556.02	18
MOP-GFA	27-3FC	I.O	9,501	1	1,557	412.00	35.7062	0.0272	259	5		258.84	24



TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

RECOUMENDING APPROVAL:

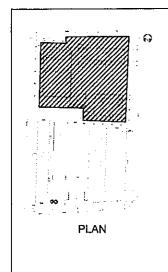
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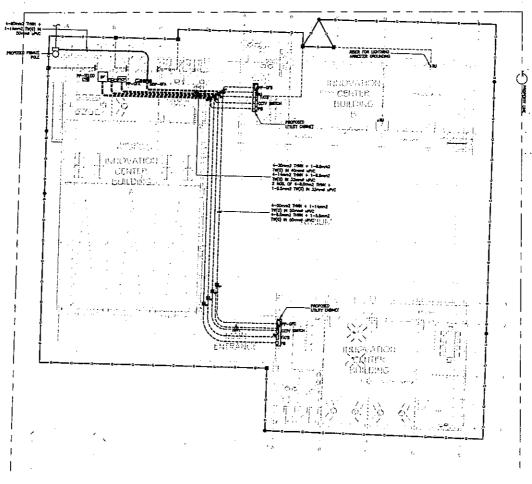
4 - 10mm2 THWN 1 - 2.0mm2 TW 40 mm d IMC CONDUIT

PROPOSED TESDA
INNOVATION CENTER - PTC URDANETA

REVIEWED AND SUBLITTED BY: SHEET CONTENTS:
LOAD SCHEDULE (2 OF 2) SHEET NO. E0-01B

PROJECT TITLE:





PROPOSED TESDA INNOVATION CENTER - PTC URDANETA ELECTRICAL SITE DEVELOPMENT PLAN

SCALE: 1: 200 mm



DIR. OLIVA B. BUNDALLON DIR. OLIVA B. BUNDALLON DIR. OTTAL ARCTOR, MITED



SEC. ISIDAD S. LAPERA PHD. CSEE

PROPOSED TESOA INNOVATION CENTER - PTC URDANETA



PREPARED SY:
ENERT JOHN ADVANCE SANTOS

REMERIED AND QUBILITED BY BHEET CONTENTS: CHEET NO.

ELECTRICAL SITE
DEVELOPMENT PLAN

ENGER RETY, COLVE P. MINGARACAL

LIGHT JUSTIC CO.

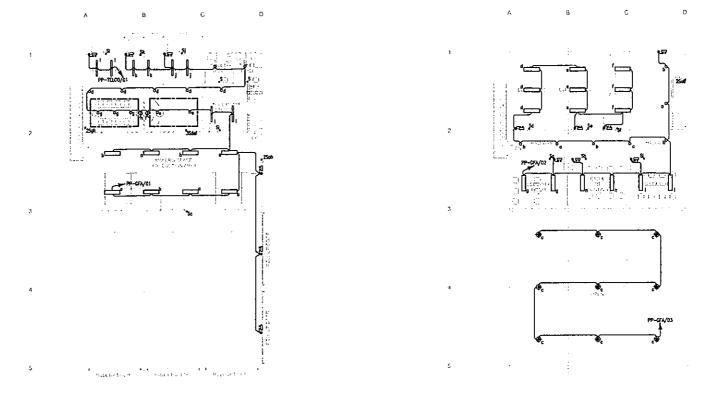
ENGEL RETY COLVE P. MINGARACAL

ELECTRICAL SITE

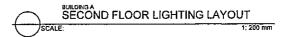
ENGEL RETY, COLVE P. MINGARACAL

ED-02

0	RECESSED MOUNTED, 13W
	SURFACE MOUNTED, 1200mm, 20W LED FLUORESCENT LIGHT
	2:20W, 300mmx1200mm, CEUNG RECESSED FLUORESCENT LIGHTING FIXTURE
+	SUSPENDED 200W HIGH BAY LUMINAIRE
खाः	ON EXIT LIGHT WITH 2HRS BATTERY PACK
<b>=</b>	TWN-HOAD EMERGENCY LIGHTING WITH 2HPS BATTERY PACK
.s	1 GANG, SHOLE POLE SINGLE THROW SWITCH, 15A, 23OV
žs	2 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 23CV
35	3 GANG, SHOLE POLE SHOLE THROW SWITCH, 15A, 230Y
◆RU/RD	RSER UP/DOWN
φ	JUNCTION BOX (CONCEALED LIGHTING PROVISION/TAPPING POINT)









DIR. DAVID R. BUNGALLON

DIR. USET G. OROZGO
CATOR FOR MENTALS

DEC. ISIONO S. LAPE/LA. PHO. CSEE

PROPOSED TESDA
INNOVATION CENTER - PTC URDANETA



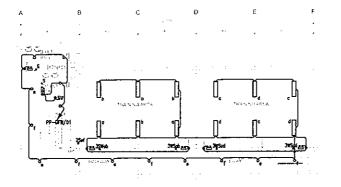
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R ADVICUIT P. LINGARACAL

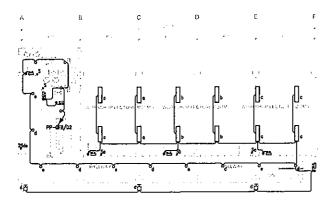
EMEET CONTENTS: SHEET NO.

BUILDING A
ORDUNG PLOOR LIGHTING
LAYOUT
LAYOUT
E1-01

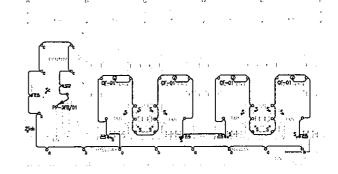
LEGENDS AND SYMBO	នេ
0	RECESSED MOUNTED, 1397 LED DOWNLIGHT
	SURFACE MOUNTED, 1200mm, 20W LED FLUORESCENT LIGHT
	2x20W, 300mmu1200mm, CEILING RECESSED FLUORESCENT LICHTING FOTURE
٠	SUSPENDED 200W HIGH BAY LUMINARE
छा	OF EXT USHT WITH 2HRS BATTERY PACK
프	THIN-HEAD EMERCENCY LIGHTING WITH 25/PS BATTERY PACK
s	I GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 23OV
<i>Į</i> s	2 GANG, SINGLE POLE SINGLE THRONI SINTCH, 154, 230V
35	3 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230Y
●RU/RO	RISER UP/DOWN
0	JUNCTION BOX (CONCEALED LIGHTING PROVISION/TAPPING POINT)











THIRD FLOOR LIGHTING LAYOUT 1; 200 mm





PROJECT TITLE

PROPOSED TESDA INNOVATION CENTER - PTC URDANETA

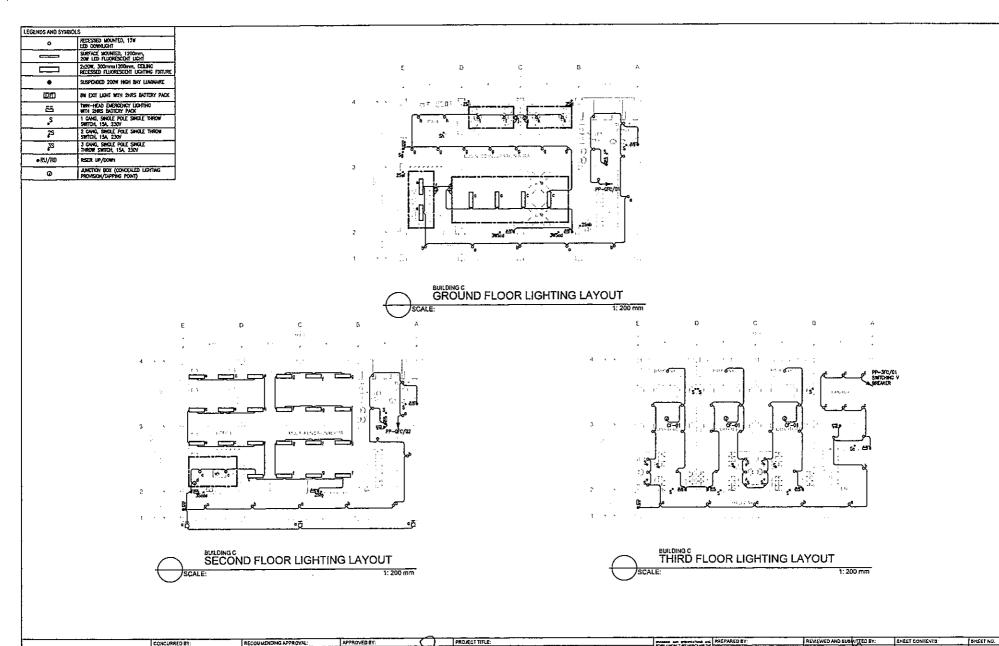






SHEET NO. SKEET CONTENTS: BUILDING B GROUND FLOOR LIGHTING LAYOUT SECOND FLOOR LIGHTING LAYOUT THIRD FLOOR LIGHTING LAYOUT

E1-02











PROPOSED TESDA INNOVATION CENTER - PTC URDANETA

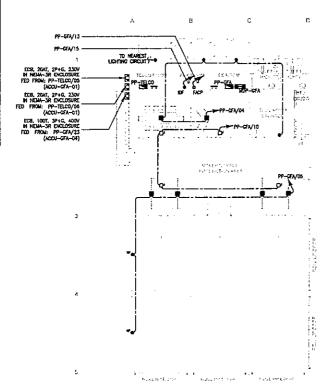


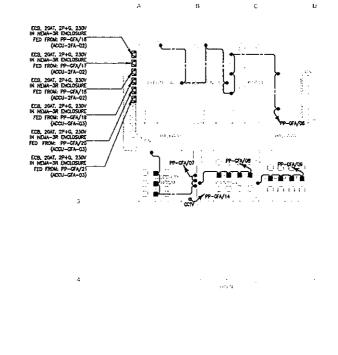


ENGR. ROYLOUIS MINGARACAL THROFLOOR LIGHTING

BURDING C GROUND FLOOR LIGHTING LAYOUT SECOND FLOOR LIGHTING E1-03

	7
•	DUPLEX DOMENDACE OUTLET
BB:	PLOOR MOUNTED CONVENIENCE OUTLE
•	SWPLEX COMMENDICE OUTLET
ΦHD	HAND DRYER PROVISION
o	special, purpose outlet
Ø	JUNCTION BOX
다	DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER
×	DISTRIBUTION PANEL
	PAHELBOARD
	GROUND BAR
•	GROUND ROD WITH TESTING PIT
•	CROUND ROD
◆RU/RD	RISER UP/DOWN
←•→	EARLY STREAMER EMISSION LIGHTNING PROTECTION











DIR. CAVE B. BUNDALLON DESTRICTION MICES



PPROVED BY:

PROJECT TITLE

SEC ISIGNO S, LAPEGA, PHD. GSER

DIRECTER GENERAL

PROPOSED TESDA INNOVATION CENTER - PTC URDANETA The context processor as the Trustian A. Secretary of the Trustian A. Secr

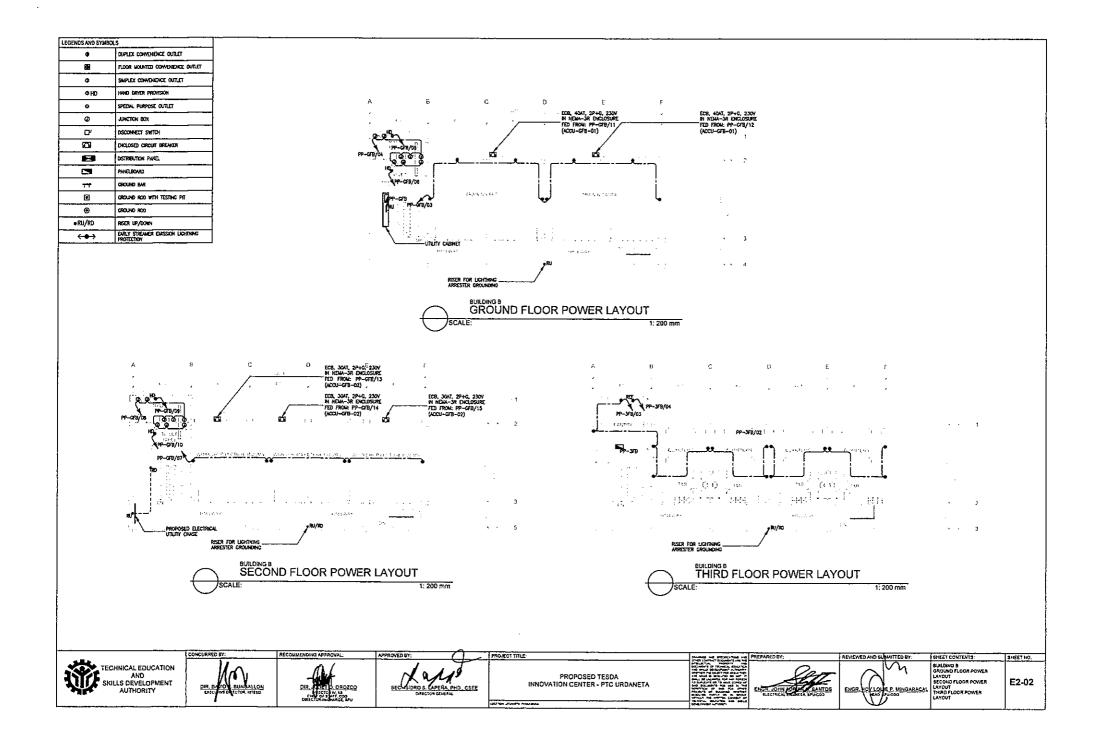


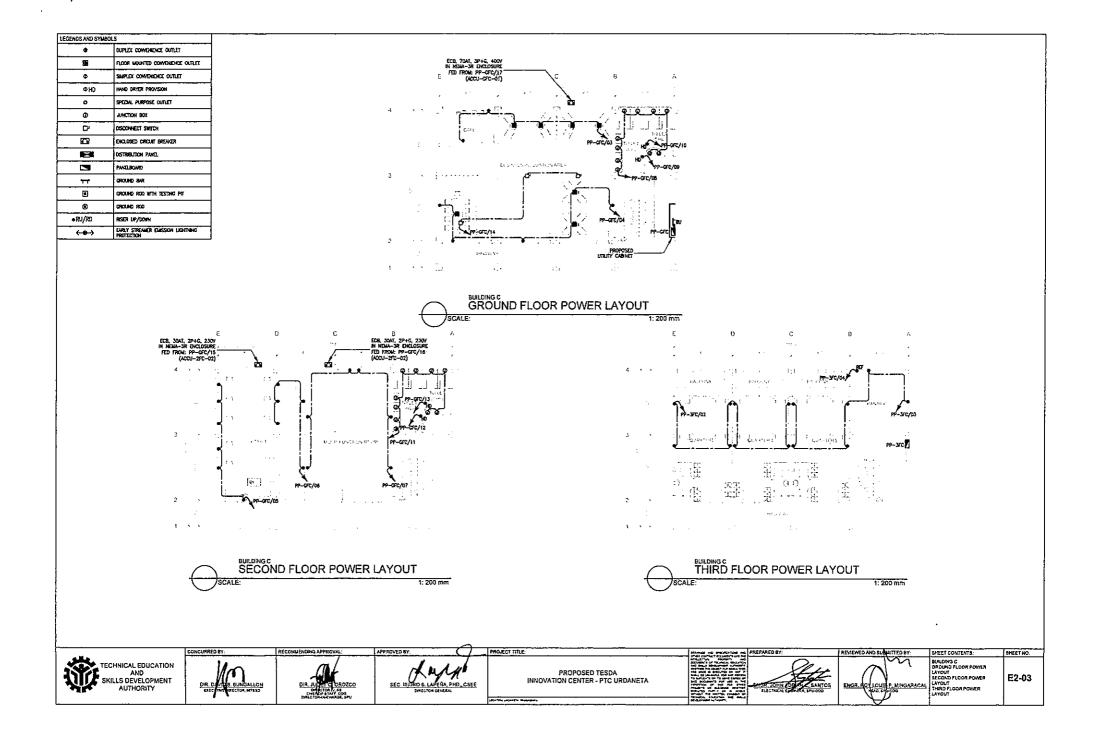
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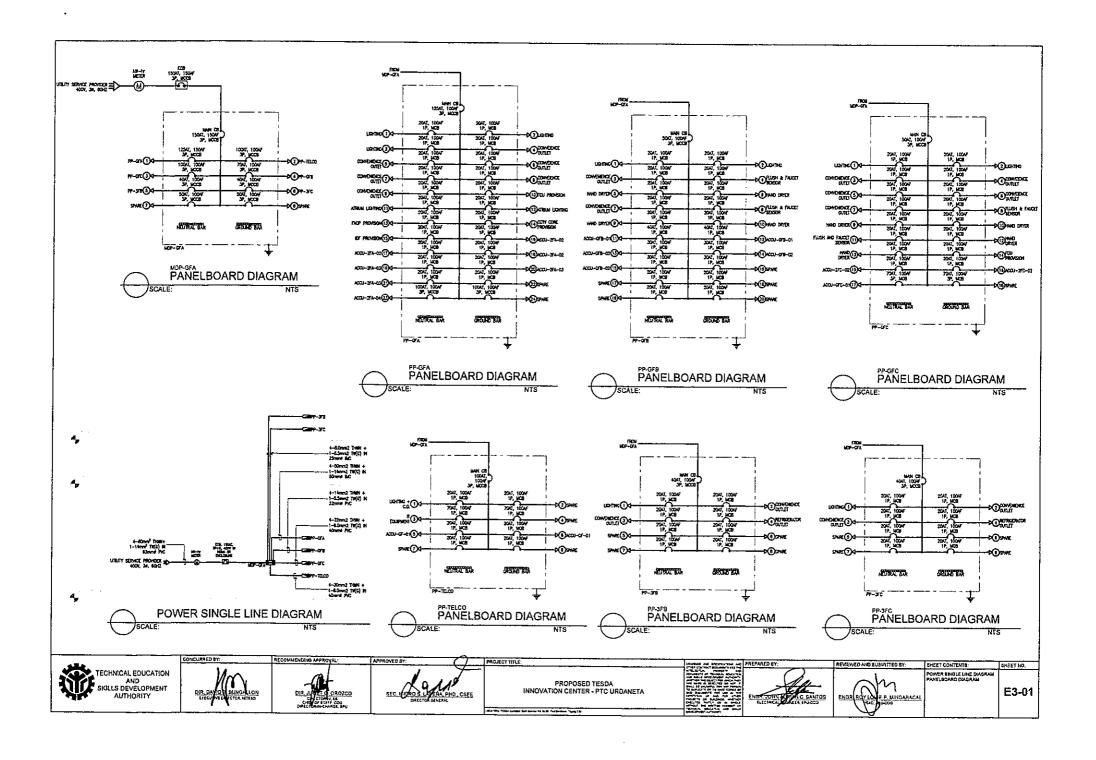
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E2-01

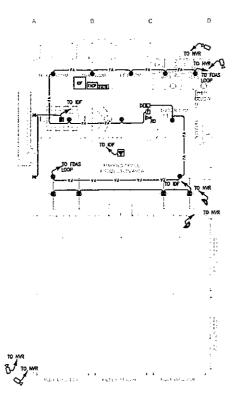
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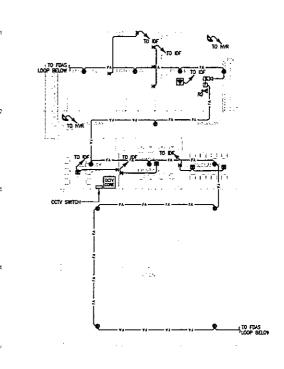






LEGENDS AND SYM	BOLS
0	SMOKE DETECTOR
<u> </u>	SANUAL PULL STATION
BE04	STROBE LIGHT
₹	FREDWAY'S TELEPHONE JACK
◆RU/R0	reser up/down
<b>□</b> \$	FIXED TYPE, IP-BASED CCTY CANERA
9	DOME TYPE, IP-BASED CCTY CAMERA
¥	WALL MOUNTED, VOICE/DATA OUTLET
le:	FLOOR MOUNTED, VOICE/DATA OUTLET
₩	WRELESS ACCESS PORT











DIR. DANS B. BUNGALLON





PROPOSED TESDA INNOVATION CENTER - PTC URDANETA

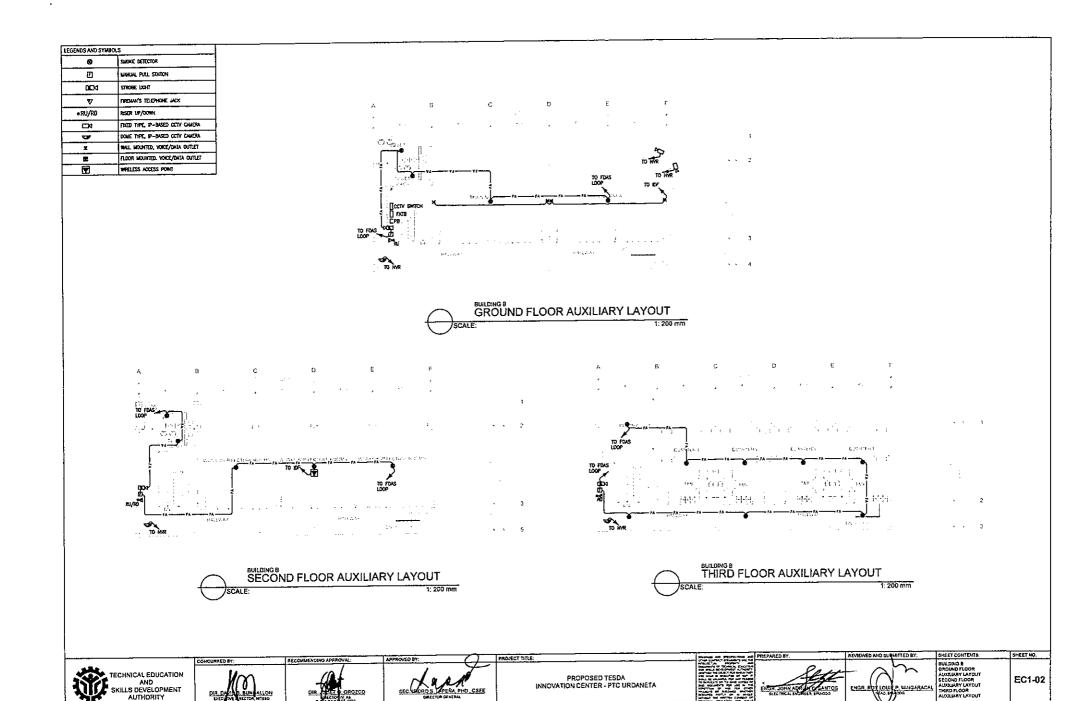
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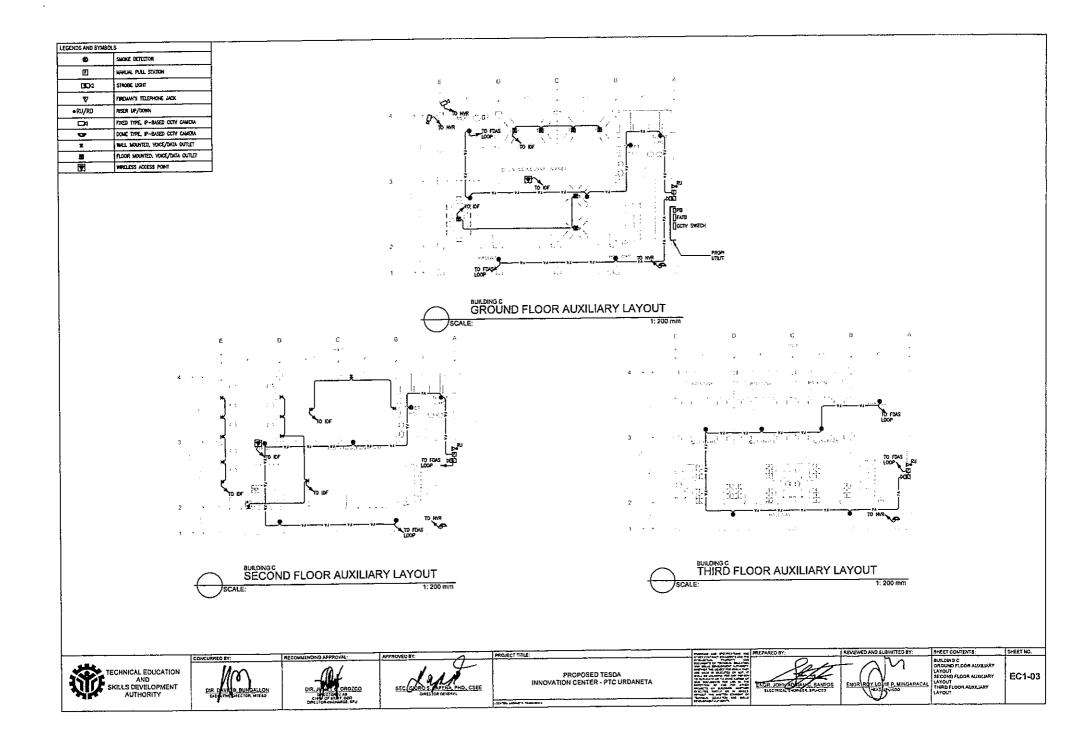
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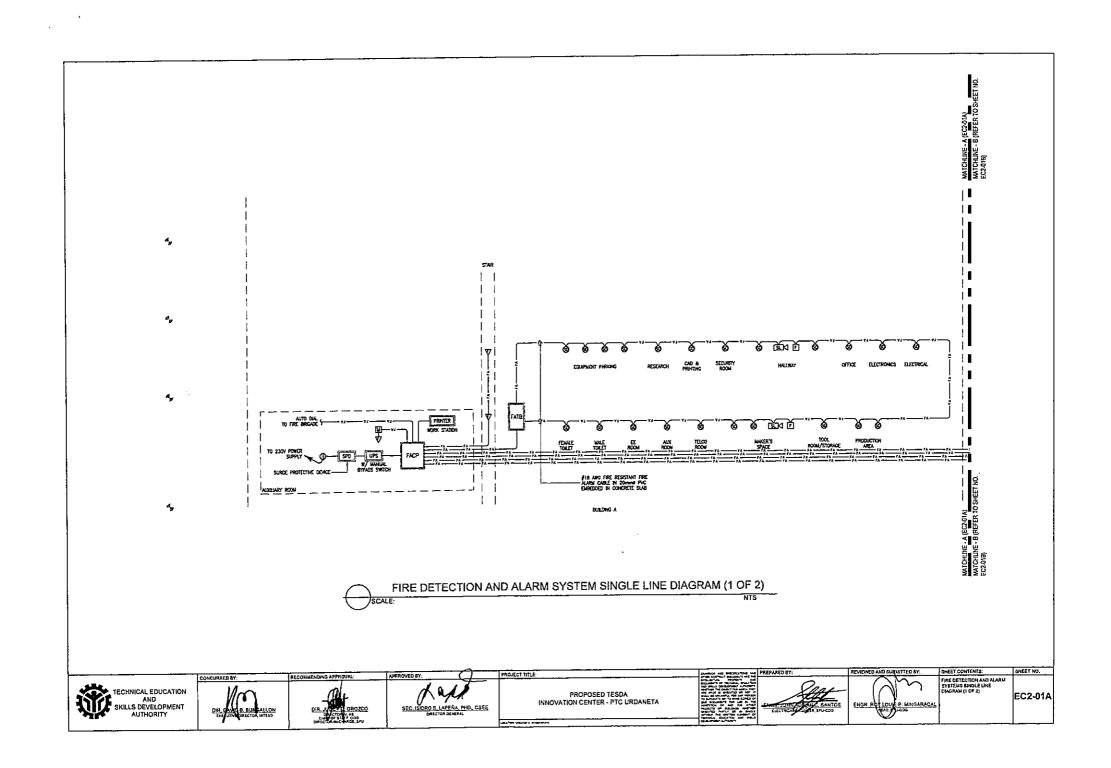
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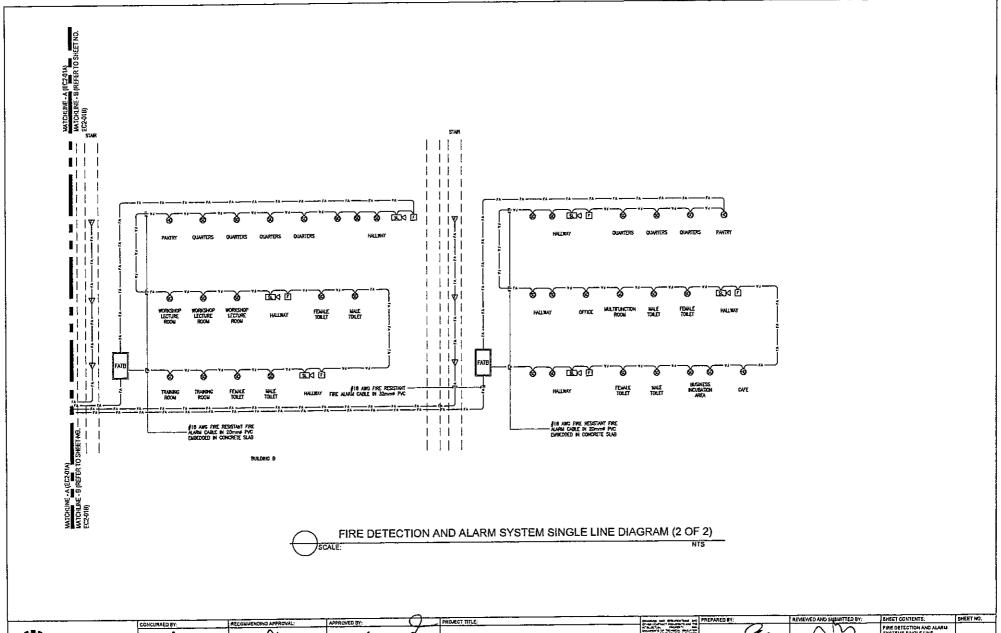
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BHEET CONTENTS: SHEET NO.
BUILDING A GROUND FLOOR AUXELIARY
LAYOUT
SECOND FLOOR AUXELIARY
LAYOUT
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TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

DIR. DAVIDE BUNDALLON

DIR. POLE O OROZCO
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SEC, UNIORO S, LAPPRA, PHD, CSEE

PROPOSED TESOA INNOVATION CENTER - PTC URDANETA DAMAGO MO MECHTURA MO P

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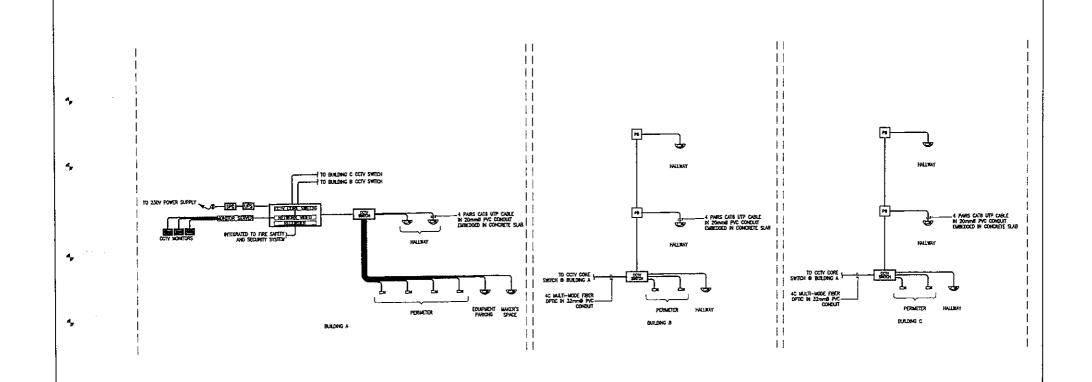
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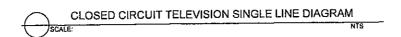
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OLOGRAM (2 OF 2)

ENGR. EGY LOSE P. LINDGARACAL

ENGR. EGY LOSE P. LINDGARACAL

EC2-01B





SKILLS DEVELOPMENT AUTHORITY
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ONGURRED BY:
DIR DANG B. BUTGALLON





PROPOSED TESDA INNOVATION CENTER - PTC URDANETA

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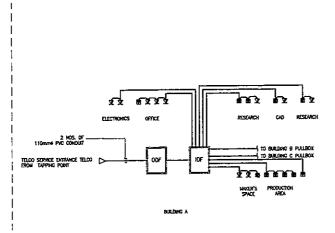
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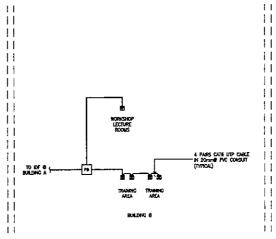
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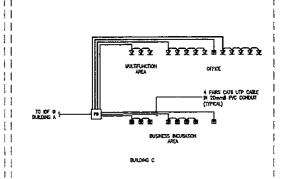
BHEET CONTENTS: SHEET NO.
CLOSED CIRCLAT
TELEVISION SINGLE LINE
DAGRAM
EC2-02

THE PERSON NAMED IN CONTRACTOR

PROJECT TITLE:







STRUCTURED CABLING SINGLE LINE DIAGRAM

SCALE: NTS

PROJECT TITLE:

TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY
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DEL CONTROL BY BURGALLON
EXECUTAL SALEGOR WITELD

DIR DIETO OROZCO

SEC. SURIOS, LAPFÂN, PHD. CSEE

PROPOSED TESDA INNOVATION CENTER - PTC URDANETA more production and property tool and grade contract processing and which was a second contract to the market too. In comparison and much displaced Authority was much displaced Authority was much displaced and public parts for passed towns or parts for passed towns or that the passed town or passed to passed towns or the passed town or passed to passed towns or passed to passed passed to pas

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REVIEWED AND EVENITYED BY:

SHEET CONTROLS

STRUCTURED ENGLINE
LINE DIAGRAP

ENGR. ROY SOURCE LINEGARACAL

STRUCTURED SINGLE LINE DIAGRAM EC2-03

SHEET NO.

#### GENERAL PLUMBING NOTES:

- 1. GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING WORKING DRAWINGS
- 2. THE WORK BHALL BE EXECUTED IN STRICT CONFORMITY WITH BASE BUILDING SPECIFICATION AND WITH THE LATEST EXTRON OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND COVERING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
- 3. ALL PLIMBING WORK SHALL BE COORDINATED WITH ALL OTHER TRADES BEFORE PROCEEDING WITH INSTALLATION.
- NO CHARGES ARE TO BE MADE IN PLUMBING LAYOUT WITHOUT WRITTEN PERMISSION BY THE ENGINEER OR RECORDS/MASTER PLUMBER.
- 5. NO PIPING SHALL RUN EXPOSED IN SALES OR FINISHED AREA.
- 6. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
- ROUGHIN DIMENSIONS OF TOILET FIXTURES MUST BE COORDINATED WITH GENERAL CONTRACTOR AND FIELD SUPERVISOR.
- 8. INSTALL GATE VALVES/ BALL VALVES ON ALL BRANCH SUPPLY LINES.
- 9. PROVIDE ACCESS PANELS ON ALL INACCESSIBLE VALVES AND CLEANOUTS. ACCESS PANELS SHALL SE PROVIDED BY GENERAL CONTRACTOR, PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.
- 10. ALL WORK SHALL BE PROPERLY TEBTED, BALANCED AND CLEANED, PROVIDE ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
- 11. ALL FIXTURES TO BE SUPPLIED & INSTALLED BY PLUMBING CONTRACTOR.
- GÉNERAL CONTRACTOR SHALL COORDINATE WATER METER LOCATION AND INSTALLATION WITH LOCAL AUTHORITIES AND CIVIL DRAWINGS.
- 13. TRAP SEAL PRIMERS ARE TO BE PROVIDED AT NO ADDITIONAL COST TO OWNER/ CLIENT, IF REQUIRED BY LOCAL BUILDING CODE OFFICIALS.
- ALL VENT PIPE SHALL BE EXHAUST OVER THE CEILING OF ROOF OVERHANG. NO VENT SHALL EXTENDED THRU ROOF.
- 15. APPLY A BEAD OF SEALANT AROUND ALL FIXTURES WHERE THEY MEET FLOORS, WALLS, ETC. PROVIDE PIPE SLEEVES AT ANY WALL FLOOR
- 18. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND REPRESENT ONLY THE DENERAL AND APPROXIMATE LOCATIONS OF FIXTURES, PIPING, ETC. REFER TO THE ARCHITECTURAL PLANS AND ACTUAL CONDITIONS FOR LOCATING
- 17. THAT ALL WATER SUPPLIES TO FIXTURES ARE ANCHORED TO PREVENT ANY
- 18. SUPPORT ALL PIPING EQUIPMENT, ETC. AS PER CODE REQUIREMENTS.
- 19. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS OF PLUMBING.
- 20. FURNISH AS REQUIRED FOR ALL FUXTURES, INCLUDING ONES FURNISHED BY OTHERS, P-TRAPS, ANGLE STOPS, RISERS, ESCUTCHEONS, ETC.
- 21. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING IN ORDER TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND OISCREPANCIES OR QUESTIONS BALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
- 22. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING RIGHT OR LEFT HAND OR FIXTURES.
- 23. ALL PENETRATIONS OF CONCRETE FOUNDATIONS & FOOTINGS SHALL SE MINIMUM OF SOMM DIAMETER.
- 24. ALL BANITARY SEWER PIPING UNDER CONCRETE SLAB SHALL BE MINIMUM
- 25. REFER TO ARCHITECTURAL SPECIFICATIONS FOR SOIL COMPACTING, CONCRETE AND ASPHALT REPAIR.
- 25. SUBJUT SHOP GRAWINGS ON ALL PLUMBING FIXTURES, SEE ARCHITECTURAL FOR GUANTITY.
- 27. USE POLYPROPYLENE FOR ALL WATER SUPPLY LINES.
- 28. USE, POLYVINYL CHLORIDE (PVC) SERIES 1000 FOR ALL DRAINAGE LINE. OBSERVE SLOPE OF 1% FOR LONG RUNNING DRAINAGE LINE AND SLOPE OF 2% FOR SHORT RUN DRAINAGE LINE, VERIFY.

#### GENERAL PLUMBING NOTES:

- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS OF THE PHILIPPINE PLUMBING CODE AND RULES
- AND REGULATIONS OF THE GOVERNMENT.
  COORDINATE GRAWINGS WITH OTHER RELATED DRAWINGS AND
  SPECIFICATIONS.
- 1. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN
- POUND THEMEIN.

  PIPES SHALL BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE PIPE STRUCTURE.

  ALL HORIZONTAL BRANCHES SHALL MAINTAIN 1% AS MINIMUM UNLESS

- ALL HOMIZONIAL BRANCHES STALL PARTITION 178 AS MINIMUM STREET ALL FOTURES SHALL VENTED, UNLESS INDICATED. ALL INDMIDUAL BRANCHES TO FIXTURES OR GROUP OF FIXTURES OR EQUIPMENT SHALL BE PROVIDED WITH AIR CHAMBER.

### MATERIAL SPECIFICATIONS:

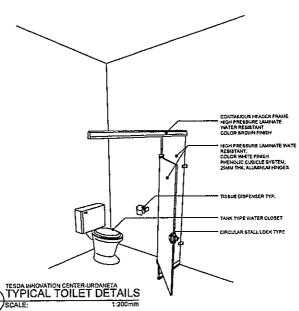
COLD WATER LINE (INTERIOR) - SHALL BE POLYPROPYLENE RANDOM (TYPE 1).
MGH RESISTANCE TO PRESSURE AND TEMPERATURE, CONFORMING TO EN 190
15574, SIMILAR TO GEORGE FISCHER PP-R PIPE, UNITEC PP-R PIPE OR APPROVED

COLD WATER LINE (EXPOSED) - GHALL BE GALVANIZED GTEEL PIPE, SCHEDULE 40, CONFORMING TO ASTM A 53 A 120. SIMILAR TO APO PIPE SCHEDULE 40 OR APPROYED EQUAL.

SOIL, WASTE AND VENT LINES- BHALL BE UNPLASTICIZED POLYVINYL CHLORIDE (UPVD) PIPE CONFIRMING TO ASTM D2729, SIMILAR TO NELTEX BERIEB 100 UPVC PIPE OR APPROYED EGUAL

DOWNSPOUTS SHALL BE UNPLASTICIZED POLYVINYL, CHLORIDE (UPVC) PIPÉ CONFORMING TO ASTM DZ729. GIMUAR TO NELTEX/ EMERALD/ MOLDEX SERIES 100 UPVC PIPE OR APPROVED EQUAL.

DRAINAGE LINE- SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE (UPVC) PIPE CONFORMING TO ABTM 02729, SIMILAR TO NELTEX/EMERALD/ MOLDEX SERIES 1000 UPVC PIPE OR APPROVED EQUAL.



LEGEND		ABBREVIATION	
****	BANKTARY LINE	LAV	LAVATORY
	VATER LINE	KÉ	KITCHEN SINK
	DRAINAGE LINE	VAC	VENT ABOVE CEILING
	VENT PIPE	VP	VENT PIPE
	GATE VALVE	STAATS	VENT THRU ROOFN'ENT THRU CERLING
	CHECK VALVE	AAV	AIR ADMITTANCE VALVE
	WATER METER	PVC	POLYVINYL CHLORIDE
co <del> </del>	FLOOR CLEANOUT	CW.	COLD WATER LINE
o	DAMETER	FD CR	FLOOR DRAIN
<del> </del>		\$H	\$HOWER HEAD
ABBREVIATION		DÓ	DECK DRAIN
AC	AIR CHAMBER	BD	BALCONY DRAIN
WC	WATER CLOSET	am	MULIMETER
		URI	URINAL

	SYMBOL	MIN. PIPE CONNECTION SIZE MM DIAMETER				BE114 B160
LEGEND		WASTE/ SOIL	VENT	STORM	COLD WATER	REMARKS
WC	WATER CLOSET	100	50	· ·	20	TANK TYPE
LAY	LAVATORY	50	50	1 ·	20	•
KS	KITCHEN GINK	50	50	· ·	20	•
SHO/ SD	SHOWER/ SHOWER DRAW	50	50	-	20	•
FD	FLOOR DRAIN	50	50	T .		WITH P-TRAF
на	HOSE BIBB			<u> </u>	20	-

PECIFICATION				
ITEMS	MATERIAL	THICKNESS		
WASTE GEWAGE LINE	POLYVINYL CHLORIDE (PVC)	SERIES 1000		
VENT PIPES	POLYVINYL CHLORIDE (PVC)	SERIES 1000		
STURM DRAINAGE LINE (DS)	POLYVINYL CHLORIDE (PVC)	GERIES 1000		
RAINWATER COLLECTOR	POLYVINYL CHLORIDE (PVC)	BERUEA 1000		
WINTERLINE MOTERS DO	PDF C	PN 10		



RECONVENDING APPROVAL

APPROVED BY OS LAPERA PHO CSEE DY ECT A GENERAL TECHNICAL CONTROL OF THE PURISH AUTHORITY

PROPOSED TESDA INNOVATION CENTER - URDANETA

PROJECT TITLE

PREPARED BY

REVIEWED BY

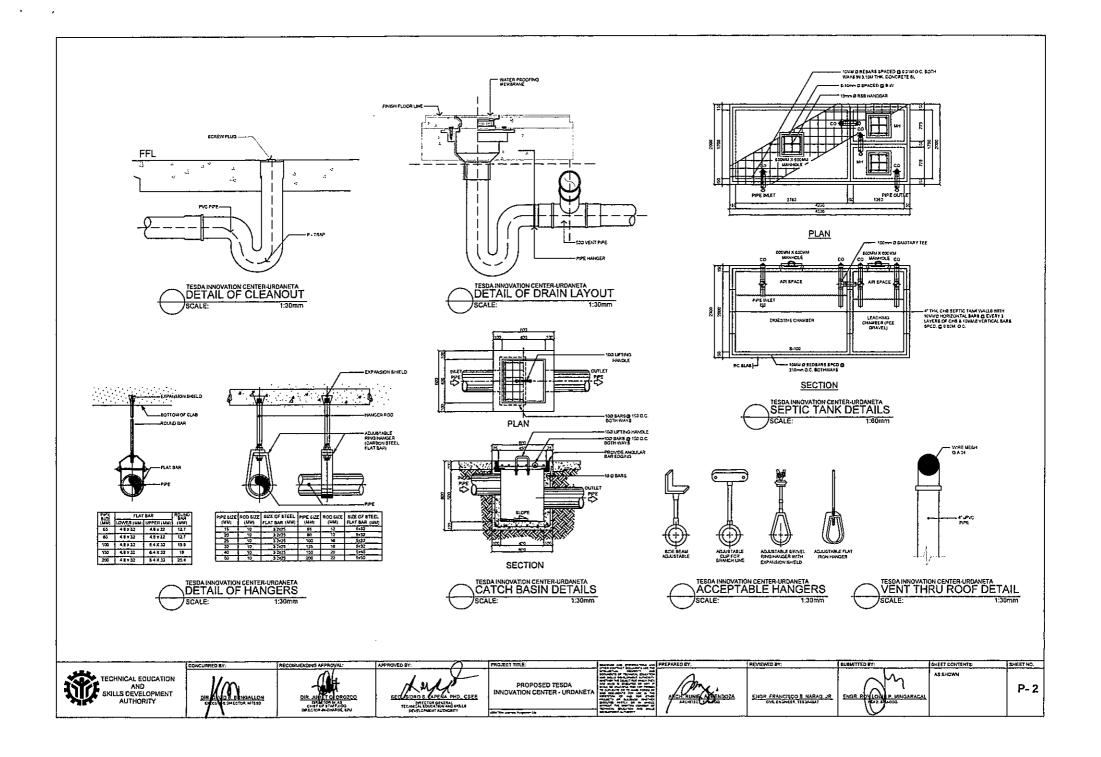
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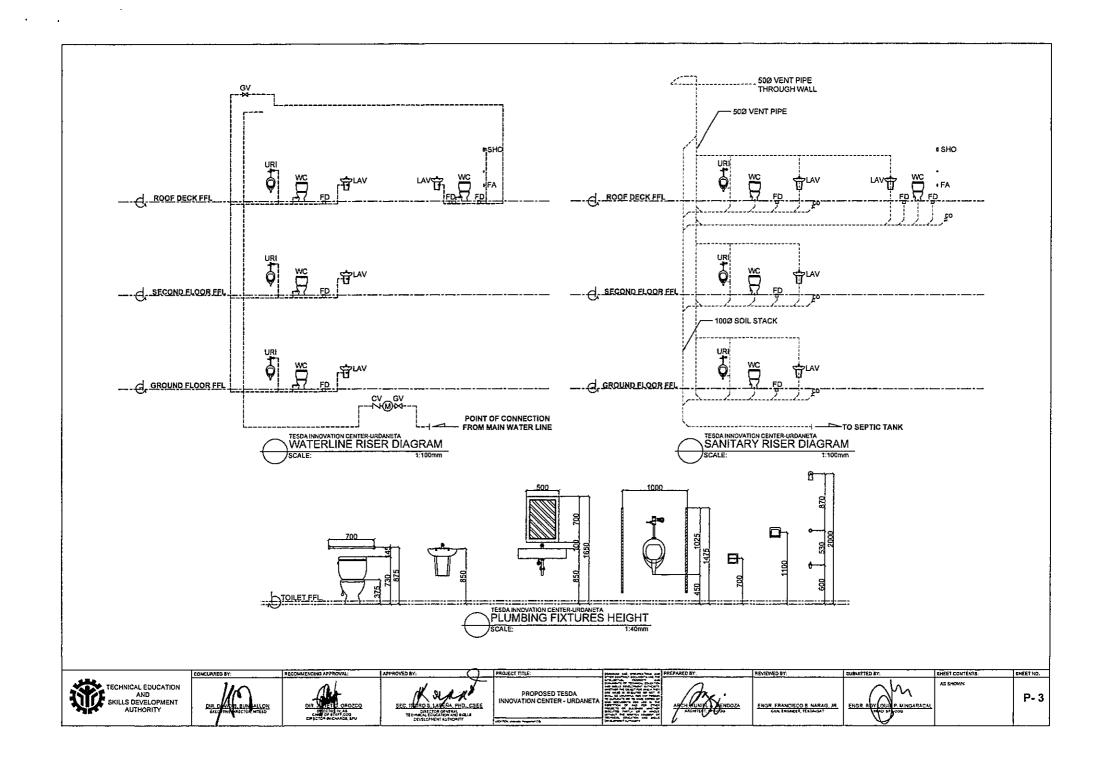
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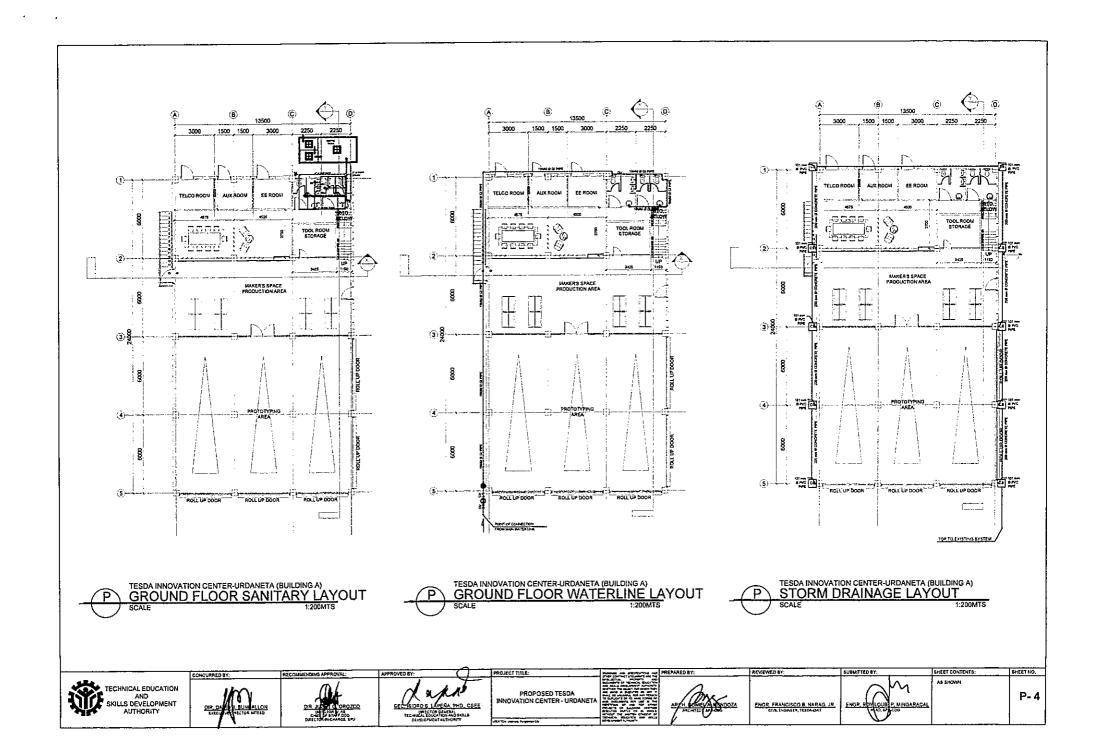
SHEET CONTENTS

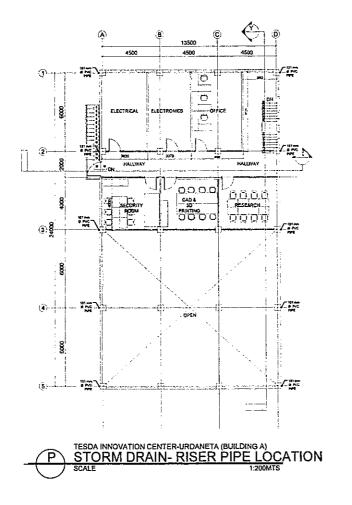
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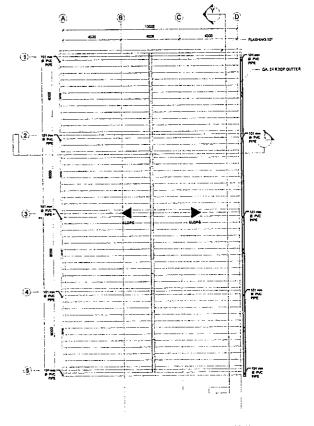
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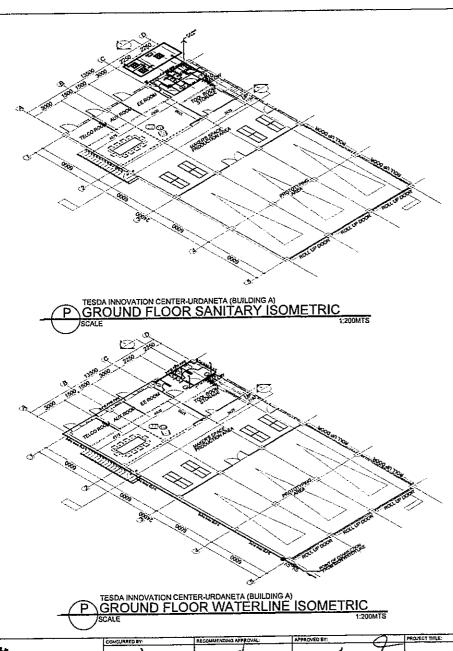


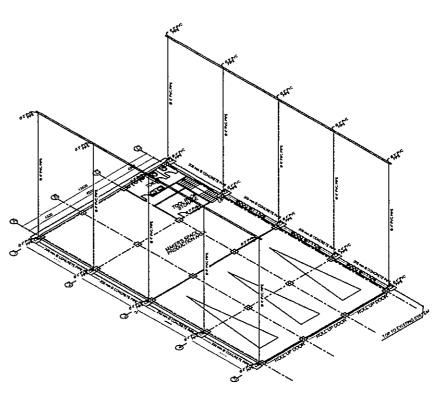
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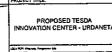
TESDA INNOVATION CENTER-URDANETA (BUILDING A)
STORM DRAINAGE ISOMETRIC
JSCALE
1200M







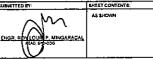






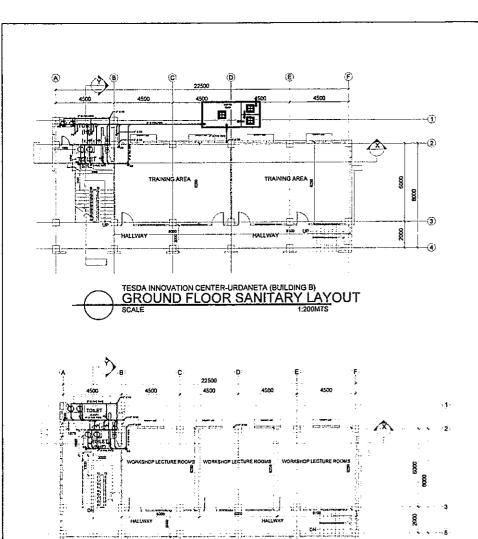
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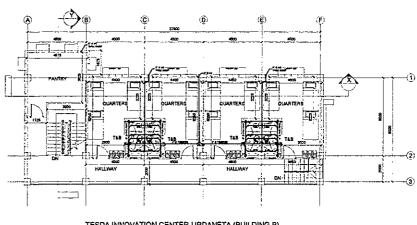
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SHEET NO.

P- 6







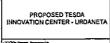








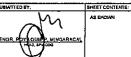






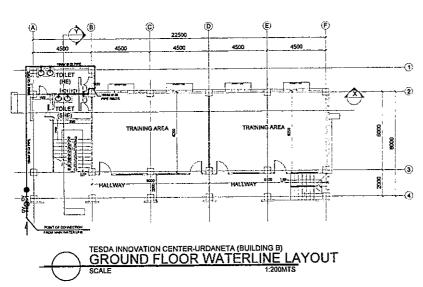


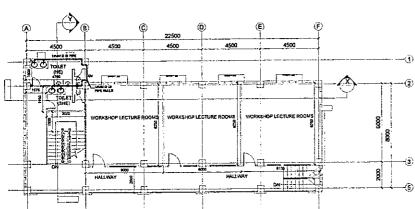


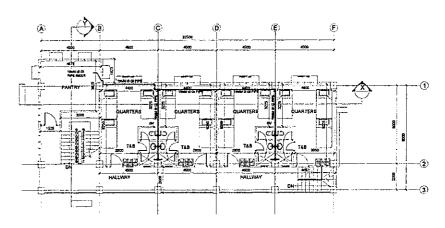


P- 7

BHEET NO.







TESDA INNOVATION CENTER-URDANETA (BUILDING B)
THIRD FLOOR WATERLINE LAYOUT
SCALE 1:200MTS

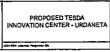
















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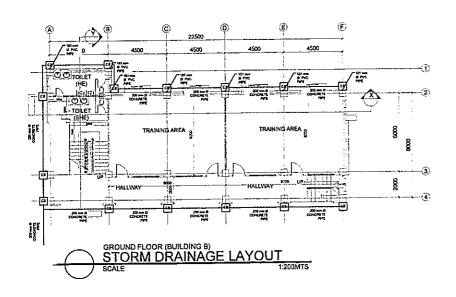
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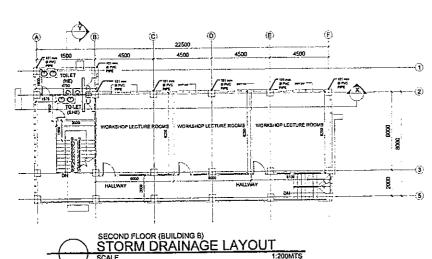
ENGR. FRANCISCO B. MARAQ. JR.
ENGR. F

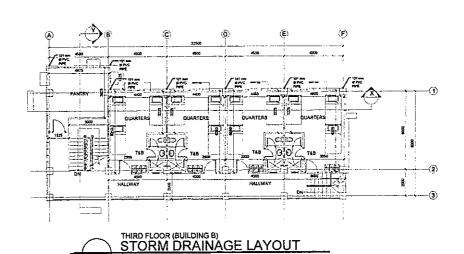
P- 8

BHEET NO.

SHEET CONTENTS:







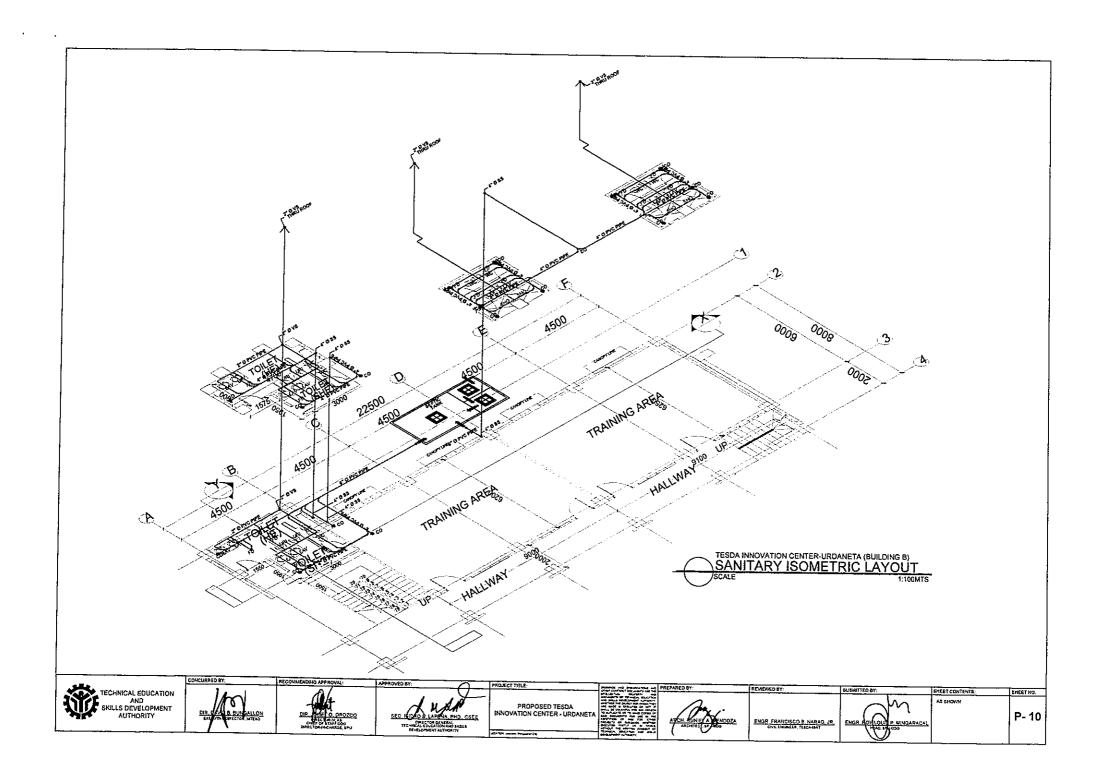
TECHNICAL EDUCATION AND SKIILLS DEVELOPMENT AUTHORITY

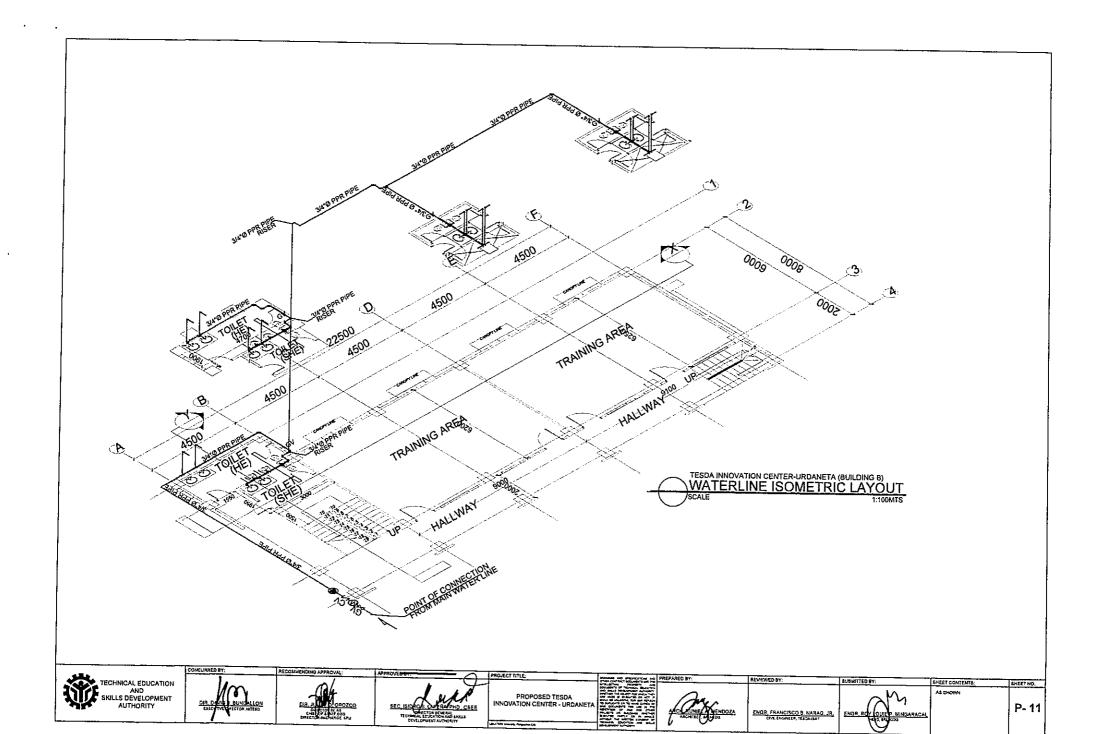
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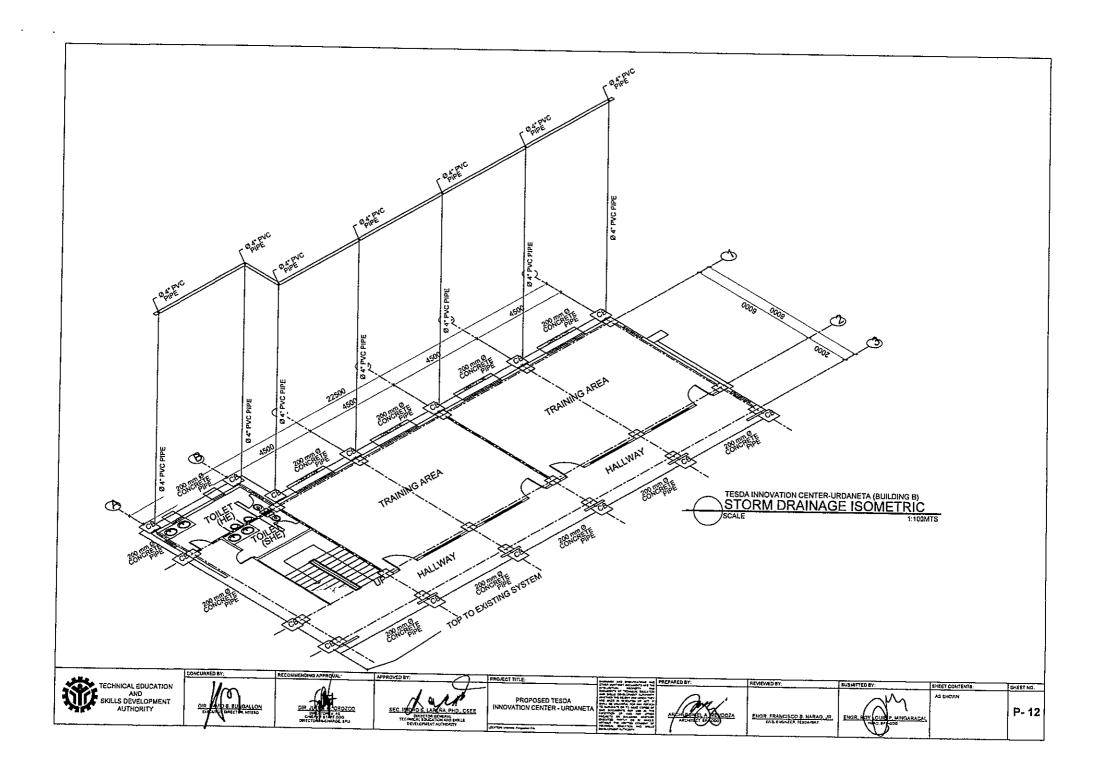
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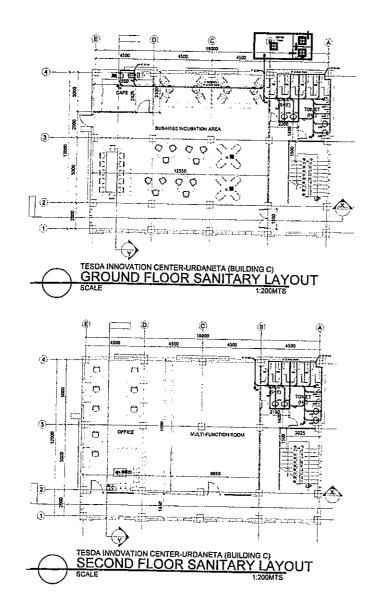
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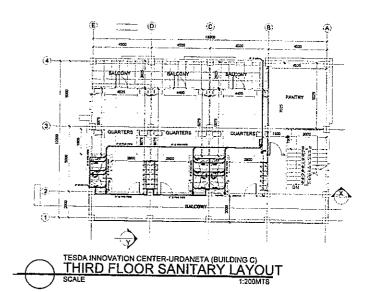
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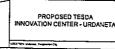












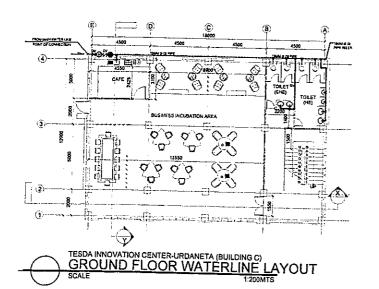
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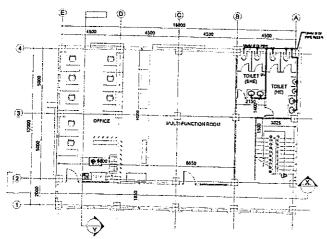




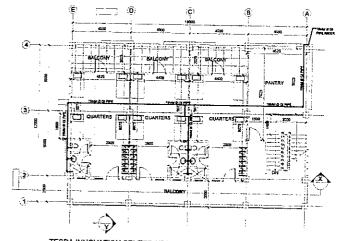
_	REVIEWED BY:	SUBMITTED BY:
	ENOR, FRANCISCO B, NARAG, JR. CIVE & WORLES, TESCARAT	ENGR POY LOUSE

ROYLOUE P. MINGARACAL NO. P- 13









TESDA INNOVATION CENTER-URDANETA (BUILDING C)
THIRD FLOOR WATERLINE LAYOUT
SCALE 1:200MTS



DIR DAME BUTTALLON





PROPOSED TESDA
INNOVATION CENTER - URDANETA





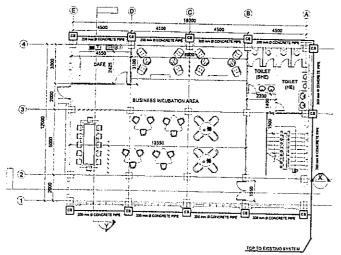
ENGR. FRANCISCO B. NARAO, JR.

REVIEWED BY:

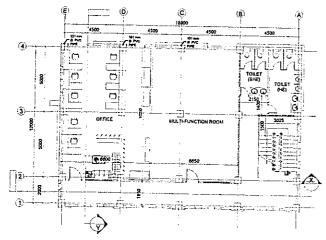
ENGR. FOULDING MINGARAC

AS CHONS!

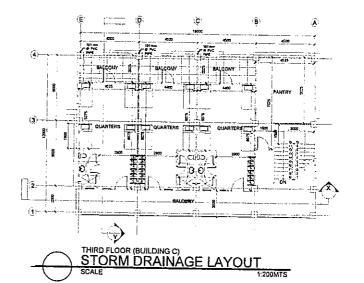
P-14











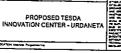












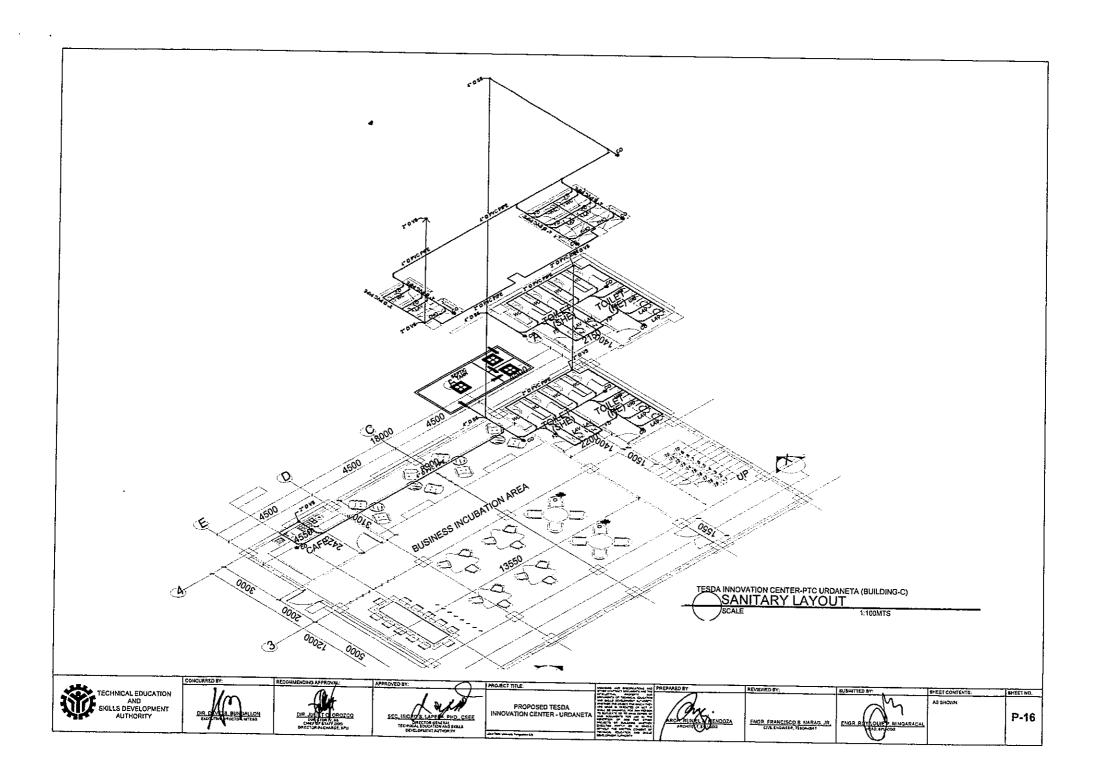


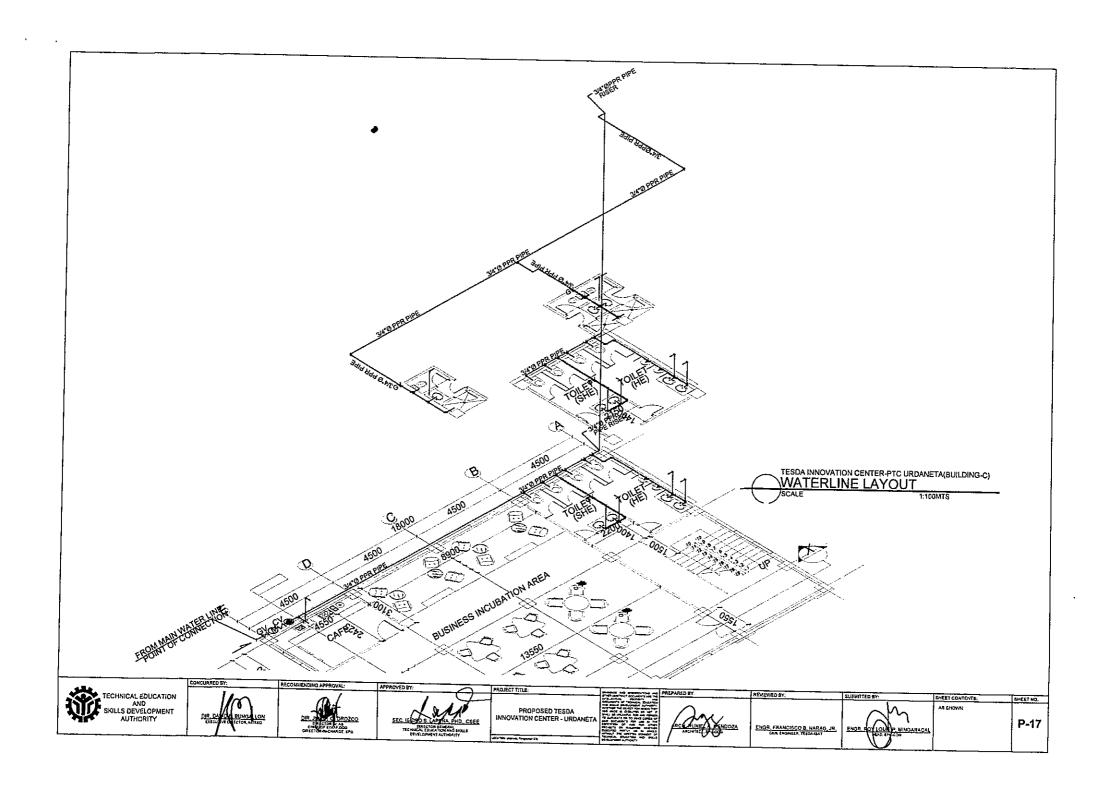


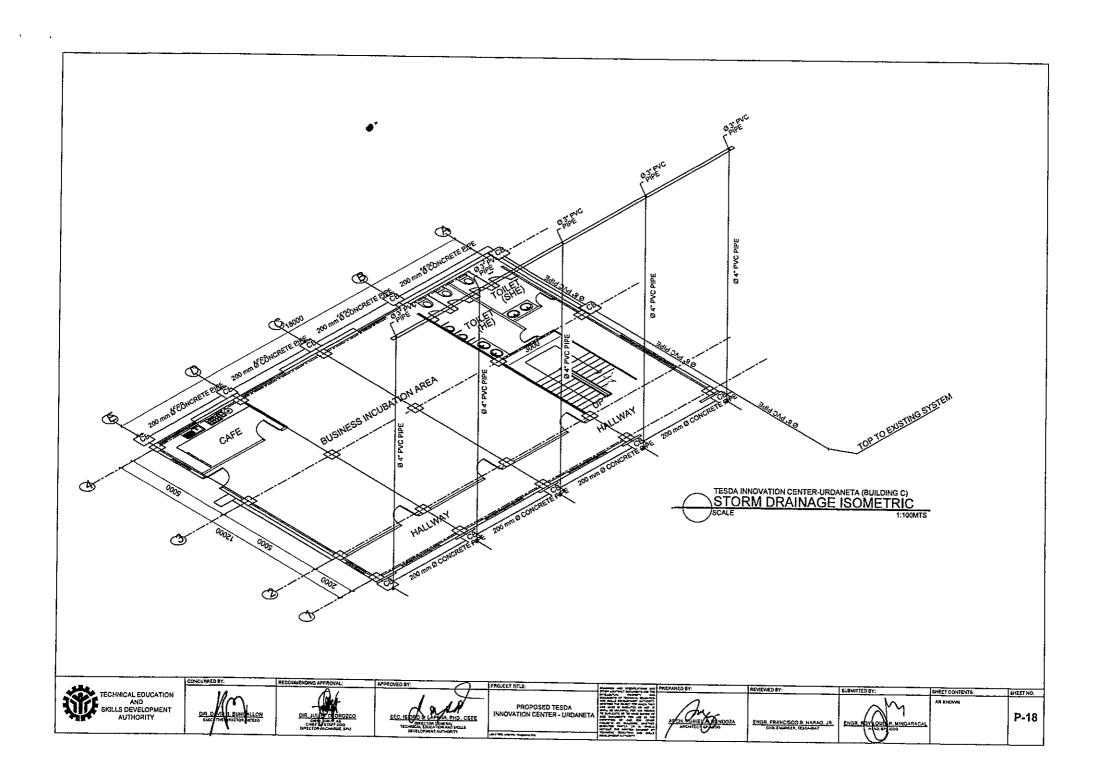
REVIEWED BY ENGR. FRANCISCO B. NARAO, JR.

GUBMITTED BY:

SHEET CONTENTS: CHEET NO. A4 SHOVA P-15







# Section VIII. Bill of Quantities

### **DETAILED ESTIMATES OF PROPOSED WORKS**

#### A. PTC - URDANETA BUILDING A

NO.	DESCRIPTION	AMOUNT
A	GENERAL REQUIREMENTS	
В	DIRECT COST	
	EARTHWORKS	. <u></u>
j II	CONCRETING WORKS	<u></u>
HI	STEEL WORKS	
Į IV	MASONRY WORKS	
V	FORMWORKS	<u>.</u>
VI	DOORS & WINDOWS	
VII	TILE WORKS	
) VIII	FLOOR FINISH	
IX	PAINTING WORKS	
X	CEILING	
XI	TINSMITHRY	
XII	ELECTRICAL WORKS	
XII	PLUMBING WORKS	
XIV		<del></del>
С	INDIRECT COST	
1	Overhead Contingencies and Miscellaneous (12%)	
11	Contractor's Profit (8%)	. <u></u> .
111	Value Added Tax (5%)	
D	TOTAL CONSTRUCTION COST (A+B+C)	
TOTAL E	STIMATED COST	

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#### B. PTC - URDANETA BUILDING B

NO.	DESCRIPTION	AMOUNT
Α	GENERAL REQUIREMENTS	
В	DIRECT COST	
l	EARTHWORKS	
l II	CONCRETING WORKS	
111	STEEL WORKS	
IV	MASONRY WORKS	
V	FORMWORKS	
VI	DOORS & WINDOWS	
VII	TILE WORKS	
VIII	FLOOR FINISH	
IX	CEILING WORKS	
IX	PAINTING WORKS	
X	TINSMITHRY	
XI	ELECTRICAL WORKS	
XII	PLUMBING WORKS	
XIII	EQUIPMENT RENTAL	
С	INDIRECT COST	
	Overhead Contingencies and Miscellaneous (12%)	
11	Contractor's Profit (8%)	
	Value Added Tax (5%)	
D	TOTAL CONSTRUCTION COST (A+B+C)	
TOTAL E	STIMATED COST	

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#### C. PTC - URDANETA BUILDING C

NO.	DESCRIPTION	AMOUNT
Α	GENERAL REQUIREMENTS	_
В	DIRECT COST	
	EARTHWORKS	
	CONCRETING WORKS	
	STEEL WORKS	
	FORMWORKS	
\	TINSMITHRY	
V	EQUIPMENT RENTAL	
С	INDIRECT COST	
1	Overhead Contingencies and Miscellaneous (12%)	
	Contractor's Profit (8%)	
	Value Added Tax (5%)	
Ð	TOTAL CONSTRUCTION COST (A+B+C)	:
TOTAL	ESTIMATED COST	

#### D. PTC - URDANETA ATRIUM

NO.	DESCRIPTION	AMOUNT
В	DIRECT COST	*****
	CONCRETING WORKS	
ll II	STEEL WORKS	
ļ III	TINSMITHRY	
IV	EQUIPMENT RENTAL	
С	INDIRECT COST	
j l	Overhead Contingencies and Miscellaneous (12%)	
ll ll	Contractor's Profit (8%)	
111	Value Added Tax (5%)	
D	TOTAL CONSTRUCTION COST (A+B+C)	
TOTAL E	STIMATED COST	

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## **BILL OF QUANTITIES**

### A. PTC - URDANETA BUILDING A

	DESCRIPTION	QUANTITY	UNIT	UNIT	MATERIAL COST	LABOR COST	TOTAL
Α	GENERAL REQUIREMENTS					<u> </u>	
	Mobilization and Demobilization	1	lot				
	Occupational Safety and Health	1					
	Program		lot				
	Permits and Clearances	1	lot			!	
	Project Billboard	1	lot				
				To	tal, General Rec	uirements	
<u>B</u>	DIRECT COST						
	I. Earth Works						
	Structure Excavation (common soil)	342	cum				. <u> </u>
	Embankment (From Structure						
	Excavation)	259	cum				
					Subtotal,	Earthworks	
	II. Concreting Works				·	·	
	Structural Concrete, Class "A" 21						
	Мра	60	cum				
	Structural Concrete, Class "A" 28						
	Мра	337	cum				
			<del>,</del>		Subtotal, Concre	eting Works	
	III. STEEL WORKS		ļ		<u> </u>		
	Reinforcing Steel - Grade 40	20979	kgs				
	Reinforcing Steel - Grade 60	34398	kgs				
					Subtotal, S	Steel Works	•
	IV. MASONRY WORKS						
	A. Laying of 4" CHB	600	sq.m.				
	4" thk CHB (Non-Load Bearing/Load)	8100	pcs				
	Cement	315	bags				
	Sand	24	cu.m.				
	10 mm. Ø Reinforcing Steel Bar	1944	kgs				
	# 16 Tie Wire	30	kgs				
	B. Plastering of of CHB Walls	708	sq.m.				
	Cement	234	bags				
	Sand	19	cu.m.			<u> </u>	
	C. Plastering of of Beams and						
	Columns	1293	sq.m.			1 1	
	Cement	427	bags				
	Sand	35	cu.m.				
	D. Floor Topping	567	sq.m.				
	Cement	392.931	bags				
	Sand	31.185	cu.m.			<del></del>	
					Subtotal, Mase	onry Works	
	V. FORM WORKS						
	Formworks / Scaffoldings	1056	sq.m.				
	Phenolic Board (5 uses)	367	pcs		<del>-  </del>		
	Good Lumber (3 uses)	4992	bd.ft.		<del> </del>		•
	Consumables (5% of Material Cost)			·	1		
_			<u> </u>		Subtotal F	orm Works	
	VI. DOORS & WINDOWS	<del></del>	<u> </u>		June 1	70173	
		·	sq. m				
	Door Installation	25			1	1 1	

Dell on Dean		1			1	1 -
Roll-up Door	3	sets				
2.10m x 0.90m Double Swing Glass	_					
Door	2	pcs.				
2.10m x 0.60m PVC Flush Door	5	pcs.				
2.10m x 0.90m Door	15	pcs.				
		sq. m		· · · · · · · · · · · · · · · · · · ·		
Window Installation	30	'.				
2.10m x 1.2m Sliding Window Type					<del></del>	
with THK Glass Analok Frame &					i	
Jamb	4	pcs			1	
1.20m x 1.10m Sliding Window Type		+ 500				
with THK Glass Analok Frame &						
Jamb	5	pcs				
0.60m x 0.60m Sliding Window Type	<b>U</b>	pos				
with THK Glass Analok Frame &						
Jamb	2					
		pcs				
Consumables ( 5% of Material Cost)			<u> </u>			
				Subtotal, Doors	& Windows	
VII. TILE WORKS					1	
	170	sq. m			ļ	
A. Installation of Glazed Tiles						
Glazed Tiles	179	m²				
Cement	55	bags			•	
Sand	4	m <sup>3</sup>				
Tile Grout	21	bags				
Tile Adhesive (25 kg)	24	bags				
(	1	sq. m				
Consumable (3% of materials cost)	170	09	1			
Consumable (670 of materials 665t)		sq. m				
B. Installation of Unglazed Tiles	170	34. 111	1			<b>}</b>
Unglazed Tiles	179	m <sup>2</sup>	ļ <u></u>			
					···	
Cement	55	bags				
Sand	4	m <sup>3</sup>				
Tile Grout	21	bags				
Tile Adhesive (25 kg)	24	bags				
Consumable (3% of materials cost)			ļ			
				Subtotal,	Tile Works	
VIII. FLOOR FINISH						
Floor Finish Application	648	sq.m.				
Cement	470	gals				
Sand	35.64	gals	· · · · · · · · · · · · · · · · · · ·			
		, 3	<u></u>	Subtotal P	loor Finish	
IX. PAINTING WORKS	· · · · · · · · · · · · · · · · · · ·		1	Jantotai, 1		
A. Interior Painting works	600	ea m				
Concrete Neutralizer	12	sq.m.			<del>                                     </del>	
		gals				
Concrete Sealer/Primer	24	gals				
Patching Compound	30	gals				
Semi Gloss Latex (two coat only)	48	gals	<u></u>		ļ	
Consumables (5% of MaterialsCost)						
B. Exterior Painting works	600	sq.m.				
Concrete Neutralizer	12	gals				
Concrete Sealer/Primer	24	gals				
Patching Compound	30	gals			1	
Semi Gloss Latex (two coat only)	48	gals	ļ			
Water Proofing	100	gals				
Consumables (5% of MaterialsCost)		95.0				
Tourisations (070 of Materials COSt)		1			L	l



			Subtotal, Painting Works
X. CEILING WORKS			
Ceiling Works	185	sg.m.	
4.5 mm Marine Plywood	67	pcs.	
Metal Furring (19mm x 50mm x 5m)	76	pcs.	
Carrying Channel 12mm x 50mm, 1mm	77	pcs.	
Hanger (Double Metal Furring 50 mm			
x 5m)	40	pcs.	
Channel Clip	1250	pcs.	
Wall Angle, 25mm x 25mm, 0.5mm	53	pcs.	
Rivets 1/8 X 1/4	2583	pcs.	
1" Metal Screw	738	pcs.	
			Subtotal, Ceiling Works
A. Installation of Truss frames	1550	kgs.	
Structural Steel Truss	1550	kgs.	
Acetylene	31	kgs.	
Oxygen	34	kgs.	
Welding Rod	31	kgs.	
Consumables (5% of Materials Cost)			
B. Installation of Purlins	1111.95	kgs.	1
Structural Steel Purlins	1168	kgs.	
Welding Rod	22	kgs.	
Consumables (5% of Materials Cost)			
C. Installation of Corrugated	200	sq.m.	
Corrugated Roofing Sheet	210	m <sup>2</sup>	
Tek screw/ J-bolt with washers 12mm x 75mm)	2000	рс	
Consumables (5% of Materials Cost)			
D. Installation of Gutter	65	m	
Gutter (GA 24)	65	рс	
12" x 1" Plain GI strap	195	pc	
Blind Rivets	1040	рс	
Consumables (3% of Materials Cost)			
E. Installation of Flashing	88	m	
Flashing GA 24	88	m	
Blind Rivets	1408	pc	
Consumables (3% of Materials Cost)			
			Subtotal, Tinsmithry
VIII ELECTRICAL MICENCO		1	Total, Architectural Works
XII. ELECTRICAL WORKS			
A. LIGHTING & SMALL POWER SYSTEM	••-		
1200mmx300mm, 2x20W Ceiling Recessed Fluorescent Lighting Fixture	23	pc/s	
1200mm, 20W Surface mounted LED Fluorescent Light	8	pc/s	
13W, Recessed mounted LED Down light	19	pc/s	
Twin head Emergency light w/ 2hrs battery pack	13	pc/s	
8W LED Strip @ 5m	4	pc/s	
200W High Bay Luminaire	9	pc/s	
1 Gang switch, 15A, 230V	13	set/s	
2 Gang switch, 15A, 230V	3	set/s	

	3 Gong cwitch 15A 230V	1	not/o	1	1		<del>-</del>
	3 Gang switch, 15A, 230V	1	set/s	<del>                                     </del>	-		
	Convenience Outlet, Duplex, 15A, 220V	21	set/s				
	Weather proof Convenience Outlet, Duplex, 15A, 220V	2	set/s				
	Special Purpose Outlet	2	set/s	l			
	Floor Mounted Convenience Outlet,						
	Duplex, 15A, 220V	17	set/s	1			
	15A, 230V Disconnect Switch	4	set/s	<del></del>			
	20AT, 1Ø, 230V Enclosed Circuit		3003		<del>                                     </del>		-
	Breaker	8	set/s				
	100AT, 3Ø, 230V Enclosed Circuit Breaker	1	set/s				
Ĩ	Utility Box	40	pc/s				
	Junction Box	95	pc/s		-		-
	Consumables		lot/s				
				total Lightin	ng and Small P	ower System	
	B. AUXILIARY SYSTEM			Lighten	ig and oman i	J Joseph	
	Conventional Smoke Detector with		<del>                                     </del>		<del> </del>		<del> </del>
	standard detector base	22	pc/s		i		
	Addressable Sounder with Strobe light	2	pc/s				į
	Addressable Manual Pull Station	2	pc/s				
	Fireman's Telephone Jack	2	pc/s				
	Fire Alarm Control Panel with Fire						
	fighter's Telephone Control Unit	1	assy				
	Fire Alarm Terminal Box	1	assy	1-1-1-1-1		<del></del>	
	Voice/Data outlet	8	set/s				
	Floor Mounted, Voice/Data Outlet	9	set/s				· <del>-</del>
	Intermediate Distribution Frame	1	assy				
	Fixed type, IP based, CCTV Camera	4	assy		<del> </del>	<del></del> -	
	Dome type, IP based, CCTV Camera	3	assy				
	Wireless Access Point	2	pc/s	<u> </u>			<del></del>
	Junction Box	34	pc/s				
	Utility Box	12	pc/s pc/s		<u> </u> .		
-	Consumables	12	lot/s	<del> </del>			
	Corisdinables		1005	! <u></u>	Cubtatal Acus	#: · O	
	C. ELECTRICAL WIRES, CONDUITS		_ <del></del>	I	Subtotal, Aux	illary System	
ļ	AND FITTINGS						
	3.5mm² THWN	1450	lm/s	<u> </u>	<u> </u>	<u> </u>	
	8.0mm² THWN	21			<del> </del>	+	
	3.5mm² TW		lm/s				
		725	lm/s		<u> </u>		
	5.5mm² TW	7	lm/s	<u> </u>			
	3m x 20mmØ PVC	232	lm/s			-	
	3m x 20mmØ IMC	25	lm/s				
	3m x 25mmØ IMC	. 3	lm/s		<u></u>		
	Consumables		lot/s	Floatrical	Niron Conduit	ond Fillings	
	D ALIVILIADY MIDES CONDUITO		<u> Subtotal,</u>	_:ecincal v	Vires, Conduits	anu rittings	<del> </del> -
	D. AUXILIARY WIRES, CONDUITS AND FITTINGS						
	18 AWG Fire resistant Fire Alarm Cable	297	lm/s				
	CAT6 UTP Cable	234	lm/s		<del> </del>	<del>                                     </del>	
	3m x 20mmØ PVC	129	lm/s		1	-	
	3m x 32mmØ PVC	5	lm/s		-	<del>- </del> -	
	3m x 110mmØ PVC	6	lm/s		<del> </del>		
	3m x 50mmØ EMT	3	-				
	JIII A JOHNING ENTI	<u> </u>	lm/s	!			



	Consumables		lot/s		
			Subtotal	, Auxiliary Wires, Condui	ts and Fittings
	DISTRIBUTION SYSTEM				
	MDP-GFA, MAIN: 150AT, 150AF, 3P,				
	400V, MCCB. BRANCHES:				
	1 - 125AT, 150AF, 3P,400V MCCB;	1	0001		
	2- 100AT, 100AF, 3P,400V MCCB;	ı	assy		
	3 - 50AT, 100AF, 3P,400V MCCB;				
	2 - 40AT, 150AF, 3P,400V MCCB;				
	PP-GFA, MAIN: 125AT, 150AF, 3P,				
	400V, MCCB. BRANCHES:	1	assy		
	2 - 100AT, 100AF, 3P, 400V MCCB	1	assy	l i	1
L	20 - 20AT, 100AF, 1P, 230V MCCB;				
	PP-TELCO, MAIN: 100AT, 100AF,				
	3P, 400V, MCCB. BRANCHES:	1	assy		
;	6 - 20AT, 100AF, 1P, 230V MCCB	1	assy		
$\Box$	2 - 70AT, 100AF, 1P,230V MCCB				
	Kilowatt-hour Meter				
Щ				Subtotal, Distril	oution System
<u> </u>	MISCELLANEOUS ITEMS				
	Minor Tools and equipment	1	lot/s		
	Hangers and supports				
	Fittings				
	Labels	4	iot/s		
	Flexible Metallic Conduit	1	100/\$		
	Electrical Tape				
	Mica tube				
				Subtotal, Miscell	aneous Items
					ctrical Works
	XIII. PLUMBING WORKS				
	A. SANITARY SEWER, WASTE &				
	VENT				
	PVC Pipe - 101mm Ø x 10 ft	8	pc/s		
	PVC Coupling - 101 mm Ø	3	pc/s		
	PVC Bend - 6mm, 87.5deg x 101mm	7	pc/s		
	PVC Seep Tee - 101 mm x 101mm Ø	12	pc/s		
	PVC TEE - 101 mm Ø	8	pc/s		
	PVC Double Branch TEE - 101 mm Ø	12	pc/s		
	PVC Clean Out - w/plug & Seal Ring				
	101 mm Ø	4	pc/s		
	PVC Pipe - 50mm Ø x 10 ft	9	pc/s		·   · ·
М	PVC Coupling - 50 mm Ø	12	pc/s		-
Н	PVC Bend - 6mm, 87.5deg x 50mm	4	pc/s		<del>                                     </del>
-	PVC Double Branch TEE - 50 mm Ø	16	pc/s		
$\vdash \vdash$	PVC P-TRAP w/Plug & Seal Ring -				
	101mm, 45 degrees	3	pc/s		
	Consumables (Hangers, Supports				
	etc.)		lot/s		
Н	····/		1 0	ubtotal, Sanitary Sewer,	Maste & Vent
	B. WATER DISTRIBUTION SYSTEM		<u></u>	abiolai, Gaintary Gewer,	Fragic & Veii(
$\vdash\vdash$	GI PIPE - 19mm Ø	23	pc/s		
	Gl Union, Flat Seat - 19mm Ø	6			
$\vdash\vdash$	Gl Elbow Coupling - 19mm Ø	8	pc/s		<del>-   </del>
$\vdash \vdash$	GI TEE, Banded - 19mm Ø		pc/s		
	Gate Valve	6	pc/s		
$\vdash$		2	pc/s		
	Water Meter	1	pc/s		
	Consumables (Hangers, Supports		lot/s		
ш	etc.)				



			Subtotal	Water Distril	bution System	
C. STORM WATER DRAINAGE						
SYSTEM			1			
PVC Pipe - 101 mm Ø	23	pc/s				
PVC Coupling - 101 mm Ø	30	pc/s				
Concrete Pipe - Perforated, 200mm Ø	71	pc/s				
Consumables		lot/s				
	-	S	Subtotal, Sto	rm Water Dra	inage System	
D. PLUMBING FIXTURES						
Lavatory - Inc. fittings & Accessories,					_	
American STD or Equivalent, Slop	2	set/s	1			
Sink typ.						
Watercloset - Inc. fittings &						
Accessories, American STD or	3	set/s				
Equivalent						
Faucet - Bronze or Equivalent	1	pc/s				
Urinal - Inc. fittings & Accessories,	2	set/s				
American STD or Equivalent						
Soap Holder - Plastic, PVC Type	22	pc/s	ļ			
Floor Drain - 4" x 4", Stainless	2	pc/s			<u>.</u>	
Grab bar - Stainless, 1" L-type	1	set/s				
Grab bar - Stainless, 1" x 24"	1	set/s				
Mirror	26	sq.ft.				
Consumables	1	lot/s	•			
			,	Subtotal, Plun	nbing Fixtures	
E. SEPTIC TANK						
Cement (40kg)	49	bag				
Sand	4	cum				
6"CHB	490	рс				
12mm ø x 6m RSB (Def)	36	рс				
#16 G.I. Tie wire	4	kg				
Consumables		lot/s				
				Subtota	I, Septic Tank	
F. MISCELLANEOUS ITEMS						
Water Proofing Cement (Sahara)	15	bag				
Cementitious, water proofing system	4	gai/s				
W.I STRAP	25	kg				
Consumables		lot/s				
			Su	btotal, Miscell	laneous Items	
				Total, Plui	mbing Works	

DESCRIPTION	CAPACITY	RENTAL RATE per HOUR	NO. OF RENTAL HOURS	NO. OF RENTAL IN DAYS	RENTAL COST
EQUIPMENT RENTAL					-
Backhoe with Breaker	0.80 m <sup>3</sup>				
Bulldozer	1.50 m <sup>3</sup>				
Motorized Road Grader	G710A				
Dump Truck	12 yd <sup>3</sup>		<u>.</u> .		
Minor tools for Excavation	lot				
Plate Compactor	5 Hp				_
Minor tools for Embankment	lot		· <del>- · · -</del>	1	
Concrete Vibrator	Flexible Shaft type 2" head Ø with 5 amperes gaosiline drive unit				

Minor tools for Concreting	lot				
Bar Bender	Three Phase				
Bar Cutter	Single Phase				·
Minor Tools for Steel works	lot				,_,
One Bagger Mixer	(4-6 ft <sup>3</sup> /min)				
Minor Tools for Masonry	lot				
Scaffolding / H-frames and accessories	set				
	Electric Driven / 500				
Welding Machine	amp				
Minor Tools for Doors and Windows	lot				
Minor Tools for Tiles works	lot				
Minor Tools for Painting works	lot				
Minor Tools for Floor Finish	lot				
Minor Tools for Ceiling works	lot				
Cutting Outfit					·
Truck Mounted Crane	20-25 mT				
Minor Tools for Tinsmithry	lot				
Water Pump,100mm suction Ø	1800 lpm				
Generator set	301-350 kW			· ·	
Chainsaw	7 ft reach, 9 in standard blade				
1 Air compressor w/ 2 Jack Hammer					
	Subtotal	l, Equipment C	perational &	Rental Cost	
		• •	•	Direct Cost	

С	C INDIRECT COST	
	I. Overhead Contingencies and Miscellaneous (12%)	
	II. Contractor's Profit (8%)	
	III. Value Added Tax (5%)	
	Total, Indirect C	ost
D	O Total Construction Cost (A+B+C)	
	Total Estimated C	ost

I hereby commit to comply with all the above Bill of Quantities.

Name of	Signature over Printed Name of	Date	
Company/Bidder	Authorized Representative		Sme
		K.	<b>a</b> /

#### B. PTC - URDANETA BUILDING B

DESCRIPTION	QUANTITY	UNIT	UNIT COST	MATERIAL COST	LABOR COST	TOTAL COST
GENERAL REQUIREMENTS				·,,		
Mobilization and Demobilization	1	lot				
Occupational Safety and Health						
Program	1	lot				
Permits and Clearances	1 [	lot				
			Tota	l, General Req	uirements	
DIRECT COST						
I. Earthworks						
Structure Excavation (common						
soil)	471	cum	ļ			
Embankment (From Structure						
Excavation)	538	cum				
			1	Subtotal, E	arthworks	
II. Concreting Works				,		
Structural Concrete, Class "A"			T		-	
21 Mpa	90	cum				
Structural Concrete, Class "A"						
28 Mpa	280	cum				
201004		<u> </u>	<u>'</u>	ubtotal, Concre	tina Works	
III. Steel Works				abtotal, contro	ing mone	
Reinforcing Steel - Grade 40	13156.2	kg	1			
Reinforcing Steel - Grade 40	45408.24	kg		T	I	
Reinforcing Steer - Grade 60	40400.24	- Kg		Subtotal, St	tool Morks	
IV Manager Moules				Subibliar, Si	teer WOINS	
IV. Masonry Works	747		<del></del>	F	1	
A. Laying of 4" CHB	717	sq.m				
4" thk CHB (Non-Load	0070 50					
Bearing/Load)	9679.50	pcs	ļ			
Cement	376.43	bags				
Sand	28.68	cu.m.				
10 mm. Ø Reinforcing Steel Bar	2323.08	kgs.		ļ <u> </u>	ļ.,	
# 16 Tie Wire	35.85	kgs.				
B. Plastering of of CHB Walls	1334	sq.m.				
Cement	440	bags				
Sand	36	cu.m.				
					1	
C. Plastering of of Beams and						
Columns	1058	sq.m.			<u></u>	
Cement	349	bags				
Sand	29	cu.m.				
				1		
D. Floor Topping	567	sq.m.				-
Cement	392.931	bags			<del>                                     </del>	
Sand	31.185	cu.m.	1			
	, 000		<u>'</u>	Subtotal, Maso	nry Works	
V. Form Works					,	
Formworks / Scaffoldings	1530	en m	1	<u></u>		
	531	sq.m.	+		<del> </del>	
Phenolic Board (5 uses)		pcs bd.ff	<u> </u>			
Good Lumber (3 uses)	7233	bd.ft.	<del> </del>			<u> </u>
Consumables ( 5% of Material						
Cost)	l			Subtotal, Fo	.l	





n Accessories) Door Installation	54	sq. m.			
2.10m x 0.90m Double Swing	<del></del>	1			
Glass Door	12	PC			
2.10m x 0.60m PVC Flush Door	20	рс			
Mindow Installation	82	sq. m .			
2.10m x 1.2m Sliding Window Type with THK Glass Analok	00				
Frame & Jamb	23	PC			
1.20m x 1.10m Sliding Window					
Type with THK Glass Analok Frame & Jamb	10	50			
0.60m x 0.60m Sliding Window	13	PC			
Type with THK Glass Analok Frame & Jamb	16	pc			
Consumables ( 5% of Material	10	+ + + + + + + + + + + + + + + + + + + +			
Cost)					
			Subtotal Door	rs and Windows	
VII. TILE WORKS			Juniotary Door		
A. Installation of Glazed Tile	168	]			
	470	sq. m .			
Glazed Tiles	176	m <sup>2</sup>			
Cement	55	bags			
Sand	4	m <sup>3</sup>			
File Grout	21	bags			
Tile Adhesive (25 kg)	24	bags			
Consumable (3% of materials cost)					
B. Installation of Unglazed Tiles	279	sq. m .			
Unglazed Tiles	293	m²			
Cement	91	bags			
Sand	7	m <sup>3</sup>			
Tile Grout	35	bags			
Tile Adhesive (25 kg)	40	bags			
Consumable (3% of materials cost)					
C. Installation of Vinyl Tiles					
•	108	sq. m.			
√inyl Tiles	114	m <sup>2</sup>			
Glue Adhesive	54	L			
Cement	79	m <sup>3</sup>			
Sand	6	bags			
Consumable (3% of materials cost)					
		uhtotal Alumini	ım Composite Pa	anel and Facado	
VIII. FLOOR FINISH	31	asioiai, Aiuiiiiili	an Composite Fe	meranu rayaue	
Floor Finish Application	567	sq.m.			
Cement	412	gals		<del>     </del>	
Sand	31.19	gals			
=		, g	L	Subtotal	
IX. CEILING WORKS					

		1			7
4.5 mm Marine Plywood	69	pcs.	<del>                                     </del>		
Metal Furring (19mm x 50mm x		1		ļ	
5m)	76	pcs.			
Carrying Channel 12mm x					
50mm, 1mm	77	pcs.			
Hanger (Double Metal Furring					
50 mm x 5m )	40	pcs.			
Channel Clip	1250	pcs.			
Wall Angle, 25mm x 25mm,		1			
0.5mm	53	pcs.			1
Rivets 1/8 X 1/4	2646	pcs.			+
1" Metal Screw	756	pcs.	<del>-  </del>		
1 Metal Sciew	1	pcs.		Subtotal	
V DAINTING WORKS	00	1	<del></del>	Subtotai	<del> </del>
X. PAINTING WORKS	98	рс			<del></del>
A. Interior Painting works	717	sq.m.			ļ
Concrete Neutralizer	15	gals			
Concrete Sealer/Primer	29	gals			_
Patching Compound	36	gals	1		
Semi Gloss Latex (two coat					
only)	58	gals			1
Consumables (5% of		<u> </u>			
MaterialsCost)					
B. Exterior Painting works	717	sq.m.			<del>                                     </del>
Concrete Neutralizer	15	gals	-		
Concrete Sealer/Primer	29				
		gals	· <del>  ·- · · ·   · ·</del>		+
Patching Compound	36	gals			<u> </u>
Semi Gloss Latex (two coat		l .		i	
only)	58	gals			
Water Proofing	120	gals			
Consumables (5% of					
MaterialsCost)					
				Cubtotal	
				Subtotal	
XI. TINSMITHRY				Subtotal	
	1937.25	kas.		Subtotal	
A. Installation of Truss frames	1937.25 1937	kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss	1937	kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene	1937 39	kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen	1937 39 43	kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod	1937 39	kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials	1937 39 43	kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost)	1937 39 43 39	kgs. kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins	1937 39 43 39 1111.95	kgs. kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins	1937 39 43 39 1111.95 1168	kgs. kgs. kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod	1937 39 43 39 1111.95	kgs. kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins	1937 39 43 39 1111.95 1168	kgs. kgs. kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost)	1937 39 43 39 1111.95 1168	kgs. kgs. kgs. kgs. kgs.		Subtotal	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost)	1937 39 43 39 1111.95 1168	kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs.		Subjoidi	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) Cost) C. Installation of Corrugated	1937 39 43 39 1111.95 1168 22	kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs.		Subjoid	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet	1937 39 43 39 1111.95 1168 22	kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs.		Subjoid	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers	1937 39 43 39 1111.95 1168 22 200 210	kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs.		Subjoid	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm)	1937 39 43 39 1111.95 1168 22	kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs.		Subjuicial	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials	1937 39 43 39 1111.95 1168 22 200 210	kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs.		Subjuicial	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost)	1937 39 43 39 1111.95 1168 22 200 210 2000	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc		Subjoid	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost) D. Installation of Gutter	1937 39 43 39 1111.95 1168 22 200 210 2000	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc. m2		Subjuicit	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost) D. Installation of Gutter Gutter (GA 24)	1937 39 43 39 1111.95 1168 22 200 210 2000	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc.  sq.m. m² pc		Subjuicit	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost) D. Installation of Gutter Gutter (GA 24) 12" x 1" Plain GI strap	1937 39 43 39 1111.95 1168 22 200 210 2000 65 65 195	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc. m2			
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost) D. Installation of Gutter Gutter (GA 24) 12" x 1" Plain GI strap Blind Rivets	1937 39 43 39 1111.95 1168 22 200 210 2000	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc.  sq.m. m² pc		Subjuicit	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost) D. Installation of Gutter Gutter (GA 24) 12" x 1" Plain GI strap	1937 39 43 39 1111.95 1168 22 200 210 2000 65 65 195	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc		Subjuicit	
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost) D. Installation of Gutter Gutter (GA 24) 12" x 1" Plain GI strap Blind Rivets	1937 39 43 39 1111.95 1168 22 200 210 2000 65 65 195	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc			
A. Installation of Truss frames Structural Steel Truss Acetylene Oxygen Welding Rod Consumables (5% of Materials Cost) B. Installation of Purlins Structural Steel Purlins Welding Rod Consumables (5% of Materials Cost) C. Installation of Corrugated Corrugated Roofing Sheet Tek screw/ J-bolt with washers 12mm x 75mm) Consumables (5% of Materials Cost) D. Installation of Gutter Gutter (GA 24) 12" x 1" Plain GI strap Blind Rivets Consumables (3% of Materials	1937 39 43 39 1111.95 1168 22 200 210 2000 65 65 195	kgs. kgs. kgs. kgs. kgs. kgs. kgs. pc			

Flashing GA 24	88	m	1		
Blind Rivets	1408	рс		1	1
Consumables (3% of Materials					
Cost)					
				Subtotal	
XII. ELECTRICAL WORKS					
LIGHTING & SMALL POWER SYSTEM					
1200mmx300mm, 2x20W Ceiling Recessed Fluorescent Lighting Fixture	24	pc/s			
13W, Recessed mounted LED Down light	66	pc/s			
Twin head Emergency light w/ 2hrs battery pack	20	pc/s			
Wall mounted lighting fixture	3	set/s			! !
1 Gang switch, 15A, 230V	24	set/s			
3 Way Switch	4	set/s			
Convenience Outlet Outlet, Simplex, 15A, 220V	25	set/s			•
Convenience Outlet, Duplex, 15A, 220V	28	set/s			
30AT, 1Ø, 230V Enclosed Circuit Breaker	3	set/s			
40AT, 1Ø, 230V Enclosed	2	set/s			
Circuit Breaker					
Utility Box	81	pc/s			
Junction Box	130	pc/s			**
Consumables		lot/s			
AUXILIARY SYSTEM		1		Subtotal	
Conventional Smoke Detector		<del> </del>			
with standard detector base	17	pc/s			
Addressable Sounder with Strobe light	3	pc/s			
Addressable Manual Pull Station	3	pc/s			
Fireman's Telephone Jack	3	pc/s			
Fire Alarm Terminal Box	1	assy			
Voice/Data outlet	4	set/s	<del>                                     </del>	<del></del> .	
Fixed type, IP based, CCTV Camera	2	assy			
Dome type, IP based, CCTV Camera	3	assy			
Wireless Access Point	1	pc/s			
Junction Box	20	pc/s			
Utility Box	10	pc/s	-		•
Consumables		lot/s			
				Subtotal	
ELECTRICAL WIRES, CONDUITS AND FITTINGS					
3.5mm² THWN	983	lm/s		*	
5.5mm² THWN	170	lm/s			
3.5mm² TW	492	lm/s		77	
5.5mm² TW	85	lm/s		7.4.	
3m x 20mmØ PVC	167	lm/s			
3m x 20mmØ IMC	29	lm/s			

Consumables			lot/s	]			
						Subtotal	****
AUXILIARY WIR CONDUITS AND							
18 AWG Fire resistant Fire Alarm Cable		286	lm/s				
CAT6 UTP Cable	<del></del>	113	lm/s				
3m x 20mmØ PV		67	lm/s			+	
Consumables	<u> </u>	07	lot/s			-	
DISTRIBUTION	SYSTEM		1005				
PP-3FB, MAIN: 4 3P, 400V, MCCB 8 - 20AT, 100AF, MCCB;	. BRANCHES: 1P,230V	1	assy				
PP-GFB, MAIN: § 3P, 400V, MCCB 2 - 40AT, 100AF, MCCB 100AF, 1P, 230V 14 - 20AT, 100AF MCCB;	. BRANCHES: 1P, 230V 4 - 30AT, MCCB; 5, 1P, 230V	1	assy	·			
Kilowatt-hour Met	er					Outstated	
MISCELLANEOU	S ITEMS					Subtotal	
Minor Tools and	equipment	1	lot/s	1			
Hangers and sup		1	lot/s	1			
Fittings		1	lot/s				
Labels		1	lot/s				
Flexible Metallic	Conduit	1	lot/s				
Electrical Tape	•	1	lot/s				
Mica tube		1	lot/s				
İ					<u> </u>	Subtotal	
TOTAL ELECTR	ICAL WORKS						
XIII. Plumbing W						<u> </u>	
Sanitary Sewer, \		ast Iron)					
	101mm Ø x		pc/s				
PVC Pipe	10 ft	20					
PVC Coupling	101 mm Ø	22	pc/s				
PVC Bend	6mm, 87.5deg x 101mm	24	pc/s				
PVC Seep Tee	101 mm x 101mm Ø	26	pc/s				
PVC TEE	101 mm Ø	4	pc/s				
PVC Double Branch TEE	101 mm Ø	4	pc/s				
PVC Clean Out	w/plug & Seal Ring 101 mm Ø	8	pc/s				
PVC Pipe	50mm Ø x 10 ft	15	pc/s				
PVC Coupling	50 mm Ø	16	pc/s				



Sme

	6mm, 87.5deg x	.,	pc/s				
PVC Bend	50mm	8	pc/s				
PVC Double	-						
Branch TEE	50 mm Ø	20	pc/s				
PVC P-TRAP w/Plug & Seal Ring	101mm, 45 degrees	8	pc/s				
Consumables		0		<del> </del>		-	
(Hangers,			1				
Supports etc.)							
1					S	UB-TOTAL	
Water Distribution			-				
GI PIPE	19mm Ø	23	pc/s_				
Gl Union, Flat	40	4.4	pc/s				
Seat Gl Elbow	19mm Ø	14	<u>'</u>	ļ			
Coupling	19mm Ø	6	pc/s				
GI TEE, Banded	19mm Ø	5	pc/s				~
Gate Valve	1 Jillill 10	2	pc/s pc/s	+			
Water Meter		1	pc/s				
Consumables (Ha	ingers.	<u>-</u>					
Supports etc.)		1	lot/s				
	<u>م</u> يا <u>.</u> د مي			·	S	UB-TOTAL	
Storm Water Dra	inage System						
PVC Pipe	101 mm Ø	48	pc/s				
PVC Coupling	101 mm Ø	11	pc/s				
Concrete Pipe	Perforated, 200mm Ø	20	pc/s				
· ···			lot/s				
Consumables			1005				
00110011100	<u></u>	<del></del>	J		S	UB-TOTAL	
Plumbing Fixture	es_					'	
Lavatory	Inc. fittings & Accessories, American STD or Equivalent, Slop Sink typ.	8	set/s				
Watercloset	Inc. fittings & Accessories, American STD or Equivalent	4	set/s				
Faucet	Bronze or Equivalent	2	pc/s				
Urinal	Inc. fittings & Accessories, American STD or Equivalent	4	set/s				
Soap Holder	Plastic, PVC	4	pc/s				~
	Туре	•	P				<u>\</u>

s 8	pc/s	
s, 1" 2	set/s	
s, 1" 2	set/s	
18	sq.ft.	
1	lot	
		SUB-TOTAL
		-
	bag	
	cum	
	pc	
36	рс	
4	kg	
	lot/s	
		SUB-TOTAL
25	bag	
g 8	gal/s	
20	kg	
	s, 1" 2 s, 1" 2 18 1 1 49 4 490 36 4	s, 1" 2 set/s s, 1" 2 set/s  18 sq.ft. 1 lot  49 bag 4 cum 490 pc 36 pc 4 kg lot/s  25 bag

DESCRIPTION	CAPACITY	RENTAL RATE per HOUR	NO. OF RENTAL HOURS	NO. OF RENTAL IN DAYS	RENTAL COST
EQUIPMENT RENTAL					
Backhoe with Breaker	0.80 m <sup>3</sup>				
Bulldozer	1.50 m <sup>3</sup>				
Motorized Road Grader	G710A				
Dump Truck	12 yd <sup>3</sup>				
Minor tools for Excavation	lot				
Plate Compactor	5 Hp				
Minor tools for Embankment	lot				
Concrete Vibrator	Flexible Shaft type 2" head Ø with 5 amperes gasoline drive unit				
Minor tools for Concreting	lot				
Bar Bender	Single Phase			7	
 Bar Cutter	Three Phase				
Minor Tools for Steel works	lot				
One Bagger Mixer	(4-6 ft <sup>3</sup> /min)				
Minor Tools for Masonry	lot				
Scaffolding / H-frames and accessories	set				
	Electric Driven / 500				
Welding Machine	amp				
Minor Tools for Doors and Windows	lot				

Minor Tools for Tiles works	lot				
Minor Tools for Painting works	lot				
Minor Tools for Floor Finish	lot				
Minor Tools for Ceiling works	lot				
Cutting Outfit					
Truck Mounted Crane	20-25 mT		· · · ·		
Minor Tools for Tinsmithry	lot			1	
Water Pump,100mm suction Ø	1800 lpm				
Generator set	301-350 kW			_	
Chainsaw	7 ft reach, 9 in standard blade				
1 Air compressor w/ 2 Jack Hammer					
Subtotal, Equipment Operational & Rental Cost					
	Subtotal, Eq	uipment O	perational & R	ental Cost	
Total, Direct Cost					

C	INDIRECT COST	
	I. Overhead Contingencies and Miscellaneous (12%)	
	II. Contractor's Profit (8%)	
	III. Value Added Tax (5%)	
		Total, Indirect Cost

D	Total Construction Cost (A+B+C)	
	Total Estimated Cost	

I hereby commit to comply with all the above Bill of Quantities.

	·	
Name of Company/Bidder	Signature over Printed Name of Authorized Representative	Date

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#### C. PTC - URDANETA BUILDING C

	DESCRIPTION	QUANTITY	UNIT	UNIT COST	MATERIAL COST	LABOR COST	TOTAL COST
Α	GENERAL REQUIREMENTS		.l				
	Mobilization and Demobilization		lot				
	Occupational Safety and Health						
	Program		lot				
	Permits and Clearances		lot				
				Total,	General Requ	iirements	
В	DIRECT COST				•		
	I. Earthworks						
	Structure Excavation (common						
	soil)	373	cum	:		]	
	Embankment (From Structure						
	Excavation)	345	cum				
					Subtotal, E	arthworks	
	II. Concreting Works						
	Structural Concrete, Class "A" 21						
	Мра	86	cum				
	Structural Concrete, Class "A" 28	_					
	Мра	261.04	cum				
				Su	btotal, Concret	ing Works	
	III. STEEL WORKS						
	Reinforcing Steel - Grade 40	11806	kg				
	Reinforcing Steel - Grade 60	38350	kg i				
					Subtotal, St	eel Works	
	V. FORM WORKS						
	Formworks / Scaffoldings	1935	sq.m.				
	Phenolic Board (5 uses)	671	pcs				
	Good Lumber (3 uses)	9147	bd.ft.				
	Consumables (5% of Material	1935	sq.m.				
	Cost)		34.111.				
					Subtotal, Fo	rm Works	
	IX. Tinsmithry						
	A. Installation of Truss frames	5133	kgs.				
	Structural Steel Truss	5133	kgs.	_		_	
	Acetylene	103	kgs.				
	Oxygen	113	kgs.				
<u> </u>	Welding Rod	103	kgs.				
igsqcup							
igsqcup	B. Installation of Purlins	1381	kgs.				
$\square$	Structural Steel Purlins	1450	kgs.				
Щ	Welding Rod	28	kgs.				
	Consumables (5% of Materials Cost)	3012-71		1 16 16			
	C. Installation of Corrugated	200	sq.m.				
	Corrugated Roofing Sheet	210	m²				
	Tek screw/ J-bolt with washers 12mm x 75mm)	2000	рс				



Consumables (5% of Materials Cost)					
D. Installation of Gutter	25	m			· · ·
Gutter (GA 24)	25	рс			
12" x 1" Plain GI strap	75	рс			<u> </u>
Blind Rivets	400	рс			
Consumables (3% of Materials Cost)					
E. Installation of Flashing	88	m			-
Flashing GA 24	88	m			
Blind Rivets	1408	рс			
Consumables (3% of Materials Cost)					
		•	 Subtota	, Tinsmithry	

DESCRIPTION	CAPACITY	RENTAL RATE per HOUR	NO. OF RENTAL HOURS	NO. OF RENTAL IN DAYS	RENTAL COST
EQUIPMENT RENTAL					
Backhoe	0.80 m <sup>3</sup>				
Bulldozer	1.50 m <sup>3</sup>				
Motorized Road Grader	G710A				
Dump Truck	12 yd <sup>3</sup>				
Minor tools for Excavation	lot				
Plate Compactor	5 Hp				
Minor tools for Embankment	lot				
Concrete Vibrator	Flexible Shaft type 2" head Ø with 5 amperes gaosiline drive unit				
Minor tools for Concreting	lot				)
Bar Bender	Single Phase				
Bar Cutter	Three Phase	-			
Minor Tools for Steel works	lot				
Scaffolding / H-frames and accessories	set				
	Electric Driven / 500				
Welding Machine	amp				
Cutting Outfit					
Truck Mounted Crane	20-25 mT				
Minor Tools for Tinsmithry	lot				
Water Pump,100mm suction Ø	1800 lpm				
Generator set	301-350 kW				[
Chainsaw	7 ft reach, 9 in standard blade				
1 Air compressor w/ 2 Jack Hammer					
	Subtotal	l, Equipment	Operational &	Rental Cost	
		·	Total,	Direct Cost	

С	INDIRECT COST	
	I. Overhead Contingencies and Miscellaneous (12%)	
	II. Contractor's Profit (8%)	
	III. Value Added Tax (5%)	
	Total, Indirect Cost	
D	Total Construction Cost (A+B+C)	
	Total Estimated Cost	

I hereby commit to comply with all the above Bill of Quantities.

Name of	Signature over Printed Name of	Date
Company/Bidder	Authorized Representative	

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## D. PTC - URDANETA BUILDING Atrium

	DESCRIPTION	QUANTITY	UNIT	UNIT	MATERIAL COST	LABOR COST	TOTAL COST
В	DIRECT COST		•	•	·	•	
	II. Concreting Works	<del></del>					•
	Structural Concrete, Class "A" 21 Mpa	53	cum				
	•					-	
			•	•	Subtotal, Concre	eting Works	
	III. Steel Works						<del></del> .
	Reinforcing Steel - Grade 40	1739.85	kg		%		
				·	Subtotal, S	Steel Works	
	IX. Tinsmithry						<u>,                                     </u>
	A. Installation of Truss frames	5400	kgs.				
	Structural Steel Truss	5400	kgs.				
	Acetylene	108	kgs.				
	Oxygen	119	kgs.				
	Welding Rod	108	kgs.			-	
	Consumables (5% of Materials Cost)					_	
						_	
	B. Installation of Purlins	3450	kgs.				
	Structural Steel Purlins	3623	kgs.				
	Welding Rod	69	kgs.				
	Consumables (5% of Materials Cost)						
	C. Installation of Corrugated	500	sq.m.			-	
	Corrugated Roofing Sheet	525	m <sup>2</sup>				,
	Tek screw/ J-bolt with washers 12mm x				"		
	75mm)	5000	рс				
	Consumables (5% of Materials Cost)						
	D. Installation of Gutter	90	m				
	Gutter (GA 24)	90	рс				
	12" x 1" Plain GI strap	270	рс				
	Blind Rivets	1440	рс				
	Consumables (3% of Materials Cost)						
	E. Installation of Flashing	90	m			<u> </u>	
	Flashing GA 24	90	m				
	Blind Rivets	1440	рс			]	
	Consumables (3% of Materials Cost)						
	A. Installation of Truss frames	5400	kgs.			_	
	Structural Steel Truss	5400	kgs.				
	Acetylene	108	kgs.				
					Subtotal,	Tinsmithry	

XII. Equipment Operation	nal and Rent	al Cost			,	
DESCRIPTION	DAILY WAGE	SSS/EC	PHILHEALTH	PAG-IBIG	MONTHLY RATE W/ BENEFITS (25 DAYS)	COST FOR TARGET WORKING DAYS (300)
Operational Cost			•		, ,	
Heavy Equipment Operator						
Highly Skilled Labor						
Driver					· · · · · · · · · · · · · · · · · · ·	
Skilled Labor						

DESCRIPTION			QUA	NTITY	UNIT	UNIT	MATER		BOR OST	TOTAL
	Unskilled Labor						1	·		1. 444.
	Equipment Rental	•		<del></del>		•	•	•	<u> </u>	
	DESCRIPTION		CAPAC	ITY	REN'	re	NO. OF RENTAL HOURS	NO. OF RENTAL DAYS	IN	RENTAL COST
	Motorized Road Grader	G710A	`							
	Concrete Vibrator	head @	e Shaft Ø with 5 ne drive	type 2" amperes aunit	3					
	Minor tools for Concreting	lot								
	Bar Bender	Single	Phase							
	Bar Cutter	Three								
	Minor Tools for Steel works	lot								
	Welding Machine	Electric	Drive	n / 500						· · · · · ·
	Cutting Outfit									
<del></del>	Truck Mounted Crane	20-25	mT							
	Minor Tools for Tinsmithry	lot								
				Subt	otal, Equi	ipment O	perational a	nd Rental C	Cost	
							Tot	al, Direct C	ost	
<u>C</u>	INDIRECT COST									
	I. Overhead Contingencies And	<u> Miscellar</u>	eous (	12%)						
	II. Contractor's Profit (8%)									
	III. Value Added Tax (5%)						_			
							Total,	<u>Indi</u> rect Co	st	
_										
D	Total Construction Cost (B+C)									
	<u> </u>									
							Total E	stimated C	ost	
he	ereby commit to comply wi	th all ti	ne abo	ove Bill	of Qua	ntities.			•	
	Name of Company/Bidder			over Pr zed Rep			<u> </u>	[	Date	

# Section IX. Checklist of Technical and Financial Documents

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

## Class "A" Documents

<u>Leg</u>	al Do	ocuments
	(a)	Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
	(b)	or Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;
	(c)	and Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; and
	(d)	Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).
Ted	chnic	al_Documents
	(e)	Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the
	(f)	contract to be bid; <u>and</u> Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; <u>and</u>
	(g) (	Owner's Certificate of Acceptance or Constructors Performance
		Evaluation System (CPES) Rating; and
	(h)	Philippine Contractors Accreditation Board (PCAB) License; or
	(i)	Special PCAB License in case of Joint Ventures;  and registration for the type and cost of the contract to be bid; and Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
	(j)	or Original copy of Notarized Bid Securing Declaration; and Project Requirements, which shall include the following:  a. Organizational chart for the contract to be bid;
		<ul> <li>List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;</li> </ul>
		<ul> <li>c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof</li> </ul>

		(k)	of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; <a href="mailto:and">and</a> Original duly signed Omnibus Sworn Statement (OSS); <a href="mailto:and">and</a> if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.
		<b>(l)</b>	Conformity with Section VI. Specifications
	<u>Fin</u>	ancia	al Documents
		(m)	The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; and
		(n)	The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).
			Class "B" Documents
		(0)	If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
			or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.
II,	FIN	ANC	AL COMPONENT ENVELOPE
		(p)	Original of duly signed and accomplished Financial Bid Form; and
	Oti	ner do	ocumentary requirements under RA No. 9184
		(q)	Original of duly signed Bid Prices in the Bill of Quantities; and
		(r)	Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and
		(s)	equipment rentals used in coming up with the Bid; <u>and</u> Cash Flow by Quarter.
Not	:e:	, ,	•
1.	In a	200	of inconsistency between the Charliet of Technical and Financial
			of inconsistency between the Checklist of Technical and Financial ts for bidders and the provisions in the Instructions to Bidders, Bid Data

- 1. Sheet and Specifications, the Instructions to Bidders, Bid Data Sheet and Specifications shall prevail.
- 2. In order to facilitate efficiency in evaluating all the documents submitted by the prospective bidder/supplier, we encourage all prospective bidders to put tabs in all documents to be submitted with the same number as indicated in this Checklist of **Technical and Financial Document**

his is to certify  Name of	that <u>(comp</u>	Nature	Bidder's Ro		ing and awarded but not	yet started co		Value of Outstanding		
Contract/	b. Address	of Work	Didder 5 N	Oie	b. Date Started	Accomplishment		o. Date Started Accompli		Works / Undelivered
Project Cost	c. Telephone Nos.		Description	%	c. Date of Completion	Planned	Actual	Portion		
Government										
<u>Private</u>										
						T	otal Cost	·		

#### \*Instructions:

a) State all ongoing contracts including those awarded but not yet started (government and private contracts which may be similar or not similar to the project called for bidding) as of:

i. The day before the deadline of submission of bids.

b) If there is no ongoing contract including awarded but not yet started as of the aforementioned period, state none or equivalent term.

c) The total amount of the ongoing and awarded but not yet started contracts should be consistent with those used in the Net Financial Contracting Capacity (NFCC) in case an NFCC is submitted as an eligibility document.

d) "Name of Contract". Indicate here the Nature/ Scope of the Contract for easier tracking of the entries/ representations

Name of a. Owner's Name Contract/ b. Address		Nature of Work	Bidder's R	ole	a. Date Awarded b. Date Started	% o	ľ	Value of Outstanding Works / Undelivered
Project Cost	c. Telephone Nos.	J. 1101K	Description	%	c. Date of Completion	Planned	Actual	Portion
Government								
Private								
Tivate								
						To	otal Cost	

#### \*Instructions:

a) State all ongoing contracts including those awarded but not yet started (government and private contracts which may be similar or not similar to the project called for bidding) as of:

i. The day before the deadline of submission of bids.

b) If there is no ongoing contract including awarded but not yet started as of the aforementioned period, state none or equivalent term.

c) The total amount of the ongoing and awarded but not yet started contracts should be consistent with those used in the Net Financial Contracting Capacity (NFCC) in case an NFCC is submitted as an eligibility document.

d) "Name of Contract". Indicate here the Nature/ Scope of the Contract for easier tracking of the entries/ representations

receipt o	f bids, a contract simila	r to the Project				
lame of	a. Owner's Name	Nature of Work	Bidder's Ro	ole	a. Amount at Award	a. Date Awarded
Contract	b. Address c. Telephone Nos.		Description	%	b. Amount at Completion c. Duration	b. Date Started c. Date of Completion
		<u> </u>				

- a) Cut-off date as of:
  - (i) Up to the day before the deadline of submission of bids.
- b) In the column under "Dates" indicate the dates of Delivery/ End-user's Acceptance and Official Receipt.
- c) "Name of Contract". Indicate here the Nature/ Scope of the Contract for the Procuring Entity to determine the relevance of the entry with the Procurement at hand.
- d) Copy of any of the following documents must be attached to this Statement:
- 1. Constructor's Certificate of Performance Evaluation System (CPES) Final Rating which must be Satisfactory; or
- 2. Certificate of Acceptance; or
- 3. Owner's Certificate of Completion

<sup>\*</sup> Instructions:

# (Bidder's Client's Company Letterhead)

# **CERTIFICATE OF PERFORMANCE EVALUATION**

This is to certify that(NAME	E OF BIDDER) has contracted and
performed with our company/ agency the	Name of Contract/Works .
Based on our evaluation on quality management and suitability of personnel, cand provision of regular progress reports, wrating of:	of service delivered, time management, ontract administration and management, ve give(NAME OF BIDDER) a
EXCELLE VERY SATISFACE POOR	TISFACTORY
This Certification shall form part of th in line with(NAME OF BIDDER) part Center for TESDA PTC-Urdaneta.	e Technical Documentary Requirements ticipation for Construction of Innovation
Issued thisday ofin	n, Philippines.
Name of Company (Bidder's Client)	Signature over Printed Name of Authorized Representative
Address	E-mail Address
Tel./Fax No.	

## **Bid Securing Declaration Form**

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

	<del></del>	 
REPUBLIC OF THE PHILIPPINES)		
CITY OF	_) S.S.	

# BID SECURING DECLARATION Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
  - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

#### [Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Pursuant to GPPB Resolution No. 16-2020 dated 16 September 2020

## QUALIFICATION OF KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT

Busi	ness Name	:			
Busi	ness Address	:			
				01: 11 F	A 1- 14 4
			Project Manager	Civil Engineer	Architect
<u> 1</u>	Name	<del>,</del>			
2	Address				
3	Date of Birth				
4	Employed since				
5	Experience				· · · · · · · · · · · · · · · · · · ·
6	Education				
7	PRC License (as a	applicable)			
Note:	Kindly attach the ir	ndividual resumé and	PRC license of the (professional) p	ersonnel (as applicable)	
Subi	mitted by	:	(Printed Name	and Signature)	
Desi	gnation	:			
Date	•	:			

# LIST OF EQUIPMENT, OWNED, OR LEASED AND/OR UNDER PURCHASE AGREEMENTS, PLEDGED TO THE PROPOSED CONTRACT

Business Name Business Address	:						
DESCRIPTION	MODEL/ YEAR	CAPACITY/ PERFORMANCE/ SIZE	PLATE NO.	MOTOR NO./ BODY NO.	LOCATION	CONDITION	PROOF OF OWNERSHIP/ LESSOR OR VENDOR
A. Owned							
i.							
ii.							
iii.							
B. Leased							
i. ii.							
iii.							
C. Under Purchase Agreements							
i.							
ii.							
iii.			1				
Submitted by Designation	:		(Print	ted Name and S	Signature)		
Date	•						

	BIO	D-DATA	<del></del>
PERSONAL DATA			
Name	:		
Date of Birth	:		
Nationality	•		
Marital Status	:		
Permanent Address	:		
DUCATIONAL QUA	LIFICATIONS		
EDUCATION	SCHOOL	INSTITUTION	INCLUSIVE DATES
Primary			
Secondary			
Tertiary		-	
Post Grad.			
-			ADDDESS
Membership in Profe <u>NAME OF IN</u>			ADDRESS
Membership in Profe  NAME OF IN  Nork Experiences (L	STITUTION  isted in descend	A	
NAME OF IN	STITUTION  isted in descend	A	
NAME OF IN  Nork Experiences (Legenty)	STITUTION  isted in descend t Assignment:	ing chronological	order) BRIEF
NAME OF IN  Vork Experiences (L  Present/Most Recent	STITUTION  isted in descend t Assignment:	ing chronological POSITION/	BRIEF DESCRIPTION OF DUTIES AND
NAME OF IN  Vork Experiences (Legental Most Recental INCLUSIVE	STITUTION  isted in descend t Assignment:	ing chronological POSITION/	order)  BRIEF DESCRIPTION OF
NAME OF IN  Vork Experiences (Legental Most Recental INCLUSIVE	STITUTION  isted in descend t Assignment:	ing chronological POSITION/	BRIEF DESCRIPTION OF DUTIES AND
NAME OF IN  Vork Experiences (L  Present/Most Recent	STITUTION  isted in descend t Assignment:	ing chronological POSITION/	BRIEF DESCRIPTION OF DUTIES AND
NAME OF IN  Nork Experiences (L  Present/Most Recent	STITUTION  isted in descend t Assignment:	ing chronological POSITION/	BRIEF DESCRIPTION OF DUTIES AND
NAME OF IN  Nork Experiences (L  Present/Most Recent	STITUTION  isted in descend t Assignment:	ing chronological POSITION/	BRIEF DESCRIPTION OF DUTIES AND

Engineers/Architects, please attach a opy of the PRC license.	certified t
CERTIFIED TRUE AND CORRECT:	
(NAME AND SIGNATURE)	
99	

## **OMNIBUS SWORN STATEMENT (REVISED)**

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)	
CITY/MUNICIPALITY OF) S.S.	S.

#### **AFFIDAVIT**

- I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:
- [Select one, delete the other:]
   [If a sole proprietorship:] I am the sole proprietor or authorized representative of
   [Name of Bidder] with office address at [address of Bidder];
   [If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized
   and designated representative of [Name of Bidder] with office address at [address
   of Bidder];
- 2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

### 6. [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the enduser unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - Carefully examining all of the Bidding Documents;
  - Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- 10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

<b>IN WITNESS</b>	WHEREOF, I have	hereunto set my	hand this	day of	, 20 a	аt
	_, Philippines.					

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE] [Insert signatory's legal capacity] Affiant

### [Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

\*The identification card shall be at least one of the acceptable proofs of identity as identified under the provisions of the 2014 Rules on Notarial Practice

"Sec. 12. Competent Evidence of Identity — The phrase "competent evidence of identity" refers to the identification of an individual based on:

At least one current identification document issued by an official agency bearing the photograph and signature of the individual such as but not limited to, passport, driver's license, Professional Regulations Commission ID, National Bureau of Investigation clearance, police clearance, postal ID, voter's ID, Barangay certification, Government Service and Insurance System (GSIS) e-card, Social Security System (SSS) card, Philhealth card, senior citizen card, Overseas Workers Welfare Administration (OWWA) ID, OFW ID, seaman's book, alien certificate of registration/immigrant certificate of registration, government office ID, certification from the National Council for the Welfare of Disabled Persons (NCWDP), Department of Social Welfare and Development (DSWD) certification:

The Board Resolution or Secretary's Certificate referring to the said Board Resolution designating the bidder's authorized representative and signatory need not specifically indicate the particular project where such authority is given provided that the said authority covers activities by TESDA.

## **JOINT VENTURE AGREEMENT**

## KNOW ALL MEN BY THESE PRESENTS:

This JOINT VENTURE AGREEMENT (hereinafter referred to as the "Agreement"), entered into this day of 20 at City, Philippines by and among:
a domestic corporation duly organized, registered and existing under and by virtue of the laws of the Republic of the Philippines, with office address at, represented by its, hereinafter referred to as "";
- and -
a domestic corporation duly organized, registered and existing under and by virtue of the laws of the Republic of the Philippines, with office address at, represented by its, hereinafter referred to as
- and <b>-</b>
a foreign corporation organized and existing under and by virtue of the laws of, represented by its, hereinafter referred to as,
(Henceforth collectively referred to as the "Parties")
WITNESSETH: That
WHEREAS, the Technical Education and Skills Development Authority (TESDA) has recently published an Invitation to Apply for Eligibility and to Bid for the Supply and Delivery of for the;
WHEREAS, the parties have agreed to pool their resources together to form the " Joint Venture", hereinafter referred to as the Joint Venture, under the laws of the Philippines, for the purpose of participating in the abovementioned procurement of TESDA-CO;
NOW, THEREFORE, for and in consideration of the foregoing premises and the covenants hereto set forth, the Parties have agreed as follows:

# ARTICLE I ORGANIZATION OF THE JOINT VENTURE

SECTION 1. Formation — The Parties do hereby agree and bind themselves to establish, form and organize a Joint Venture pursuant to the laws of the Republic of the Philippines, in order for the JV to carry on the purposes and objectives for which it is created;
SECTION 2. Name — The name and style under which the JV shall be conducted is "";
SECTION 3. Principal Place of Business — The JV shall maintain its principal place of business at;
SECTION 4. Preparation and Documentation — The Parties shall secure and/or execute such certifications, documents, deeds and instruments as may be required by the laws of the Republic of the Philippines for the realization of the JV and in compliance with the Project. Further, they shall do all other acts and things requisite for the continuation of the JV pursuant to applicable laws;
SECTION 5. The Joint Venture shall be represented by the in all biddings, related procurement transactions and other official dealings that it shall enter into with the TESDA-CO and third parties, such transactions to include, among others, the submission of eligibility documents, bids, registration documents obtaining bonds, performing the principal contract in the event that the contract is awarded in favor of the Joint Venture, receipt of payment for goods delivered, and similar and related activities.
SECTION 6. The period of the Joint Venture shall begin upon execution of this Agreement and shall continue until the complete performance of its contractual obligations to TESDA-CO, as described in Article II hereof, or upon its termination for material breach of any term or condition of this Agreement, by service of a written statement in English on the other Party, not less than 90 days prior to the intended date termination
ARTICLE II PURPOSE
SECTION 1. The primary purpose of the Joint Venture is to participate in the public bidding to be conducted by the TESDA-CO Bids and Awards Committee for the supply and delivery of for the
SECTION 2. If the above-described contract/s is/are awarded to the Joint Venture, the

Joint Venture shall undertake the performance thereof to TESDA-CO, and such other

incidental activities necessary for the completion of its contractual obligations.

# ARTICLE III SOLIDARY LIABILITY OF THE PARTIES

SECTION 1. In the performance of the contract/s that may be awarded to the Joint Venture by the TESDA-CO, and all other related activities/obligations, as described in Article II hereof, - the Parties bind themselves jointly and solidarily, in the concept of solidarily debtors, subject to the right of reimbursement, as provided in the relevant provisions of the Civil Code of the Philippines.

# ARTICLE IV CONTRIBUTION AND OTHER ARRANGEMENTS

SECTION I. Contribution — The Parties shall contribute the amount of (Php ) to support the financial requirements of the Joint Venture, in the following proportion:

Additional contributions to the Joint Venture shall be made as may be required for contract implementation. In addition, shall contribute any labor and contract management requirements.

SECTION 2. Profit Sharing — The share of the Parties to the JV from any profit derived or obtained from the implementation and execution of the Project shall be distributed pro rata to each, in accordance with the contribution and resources each has provided to the JV;

SECTION 3. Liquidation and Distributions — Any sum remaining after deducting from the total of all moneys or benefits received for the performance of the contract, all costs incurred by the JV after award of the contract for the Project pursuant to the accounting practices established for the JV, shall be distributed in accordance with the relative balances in the accounts of each Party pursuant to Sec.1 of this Article upon completion, final accounting, termination and liquidation of the JV. In the event of liquidation and termination of JV, and after taking into account the shares of the Parties in all income, gain, deductions, expenses, and losses, should the account of a Party contain a negative balance, such Party shall contribute cash to the JV sufficient to restore the said balance to zero:

SECTION 4. Sharing of Burden of a Net Loss — In case a net loss is incurred, additional contributions shall be made by the Parties in accordance with their respective shares.

# ARTICLE V MISCELLANEOUS PROVISIONS

SECTION 1. The provisions of the Instructions to Bidders, Supplemental Bid Bulletin, and other bidding documents issued by the TESDA-CO in relation to the contract described in Article II hereof, shall be deemed incorporated in this Agreement and made an integral part thereof.

SECTION 2. This Agreement shall be binding upon and inure to the benefit of the Parties and their respective-successors and assigns.

SECTION 3. The Parties herein are duly represented by their authorized officers.

SECTION 4. Governing Law - This Agreement shall be governed by and construed according to the laws of the Republic of the Philippines. Venue of any court action arising from this Agreement shall be exclusively laid before the proper court of the Philippines.

	magneti-
Signed in the Presence of:	
orgined in the triesence of.	

### **ACKNOWLEDGMENT**

REPUBLIC OF THE PHILIPPINES CITY/MUNICIPALITY OF PROVINCE OF (in the case of Municipal	) )S.S. lity)
	r and in the City/Municipality of <u>(indicate</u> <u>ality</u> , this <u>day of month &amp;</u> g:
Name ID Name, Numb	per and Validity Date
	to be the same persons who executed the edge to me that the same is their free and orporation(s) they represent.
	Venture Agreement consisting of Acknowledgement is written, and signed by ses.
WITNESS MY HAND AND NOTA above written.	RIAL SEAL on the place and on the date first
	NAME OF NOTARY PUBLIC Serial No. of Commission Notary Public for until Roll of Attorneys No PTR No [ date issued], [place issued] IBP No, [ date issued], [place issued]
Doc. No Page No Book No Series of Note:	
"Sec. 12. Competent Evidence of Identity — The phrase "com	petent evidence of identity" refers to the identification of an individual

At least one current identification document issued by an official agency bearing the photograph and signature of the individual such as but not limited to, passport, driver's license, Professional Regulations Commission ID, National Bureau of Investigation clearance, police clearance, postal ID, voter's ID, Barangay certification, Government Service and Insurance System (GSIS) ecard, Social Security System (SSS) card, Philhealth card, senior citizen card, Overseas Workers Welfare Administration (OWWA) ID, OFW ID, seaman's book, alien certificate of registration/immigrant certificate of registration, government office ID, certification from the National Council for the Welfare of Disabled Persons (NCWDP), Department of Social Welfare and Development

based on:

## **Performance Securing Declaration (Revised)**

[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)	
CITY OF	) S.S

#### PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents] To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
- 2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years <u>for the second offense</u>, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
- 3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
  - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
    - i. Procuring Entity has no claims filed against the contract awardee:
    - ii. It has no claims for labor and materials filed against the contractor; and
    - iii. Other terms of the contract; or
  - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

**IN WITNESS WHEREOF,** I/We have hereunto set my/our hand/s this \_\_\_\_ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

#### [Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

# Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

#### CONTRACT AGREEMENT

THIS AGREEMENT, made this [insert date] day of [insert month], [insert year] between [name and address of PROCURING ENTITY] (hereinafter called the "Entity") and [name and address of Contractor] (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute [name and identification number of contract] (hereinafter called "the Works") and the Entity has accepted the Bid for [contract price in words and figures in specified currency] by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

### NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
- 2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - a. Philippine Bidding Documents (PBDs);
    - i. Drawings/Plans;
    - ii. Specifications:
    - iii. Bill of Quantities;
    - iv. General and Special Conditions of Contract;
    - v. Supplemental or Bid Bulletins, if any;
  - **b.** Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and
- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.

- 3. In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state the object of the contract] in accordance with his/her/its Bid.
- 4. The [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature]
[Insert Signatory's Legal Capacity]

for:
[Insert Procuring Entity]

[Insert Name and Signature]
[Insert Signatory's Legal Capacity]
for:
[Insert Name of Supplier]

#### Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

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# Bid Form for the Procurement of Infrastructure Projects [shall be submitted with the Bid]

BID FORM	
Date :	
Project Identification No. :	

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: [insert name of contract]:
- b. We offer to execute the Works for this Contract in accordance with the PBDs:
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: [insert information];
- d. The discounts offered and the methodology for their application are: [insert information];
- e. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of [insert percentage amount] percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

<sup>1</sup> currently based on GPPB Resolution No. 09-2020

- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- I. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name:	
Legal Capacity:	
Signature:	
Duly authorized to sign the Bid for and behalf of:	
Date:	

