GENERAL NOTES :

1. CONTRACTOR SHALL VISIT PROJECT SITE PRIOR TO BIDDING TO DETERMINE NATURE AND EXTENT OF DEMOLITION WORK REQUIRED. REPORT ANY DISCREPANCIES OR CHANGED CONDITIONS TO THE CONTRACTING OFFICER PRIOR TO STARTING WORK. MAINTAIN EXISTING CIRCUITING TO LIGHTS, OUTLETS AND EQUIPMENT OUTSIDE OF PROJECT AREA AND OTHERWISE SHOWN.
2. REMOVE ALL OUTLETS, LIGHTS AND PANELS AFFECTED BY THE PROJECT/WORK. RESTORE SURFACES MARRED OR DAMAGED DURING CONSTRUCTION. FILLOUT OR EXTEND WALL PANELLING LEFT BLANK OR UNFINISHED BY REMOVAL OF ELECTRICAL EQUIPMENT OR LUMINAIRES. PAINT FINISH TO MATCH COLOR OF EXISTING.
3. PAINT FINISH ALL NEW EXPOSED RACEWAYS, OUTLET BOXES, AND JUNCTION BOXES. COLOR TO MATCH ADJACENT SURFACES.
4. COORDINATE SIZES OF CIRCUIT BREAKERS, WIRES, CONDUITS, DISCONNECTS SWITCHES MAGNETIC MOTOR STARTERS AND OTHER ELECTRICAL ACCESSORIES WITH ACTUAL EQUIPMENT PROVIDED.
5. PROVIDE A SEPARATE INSULATED GREEN GROUND CONDUCTOR SIZED IN ACCORDANCE WITH NEC TABLE 250–122 IN ALL FEEDER AND BRANCH CIRCUIT RACEWAYS.
6. AIR CONDITIONING UNITS AND MOTOR STARTERS SHALL BE PROVIDED PER OTHER DISCIPLINE'S DRAWINGS AND SPECIFICATIONS. INSTALL MOTOR STARTERS PER ELECTRICAL SPECIFICATIONS. INSTALL CONTROL DEVICES PER OTHER SECTIONS OF SPECIFICATIONS. PROVIDE POWER WIRING PER ELECTRICAL SPECIFICATIONS. PROVIDE CONTROL WIRING PER OTHER SECTIONS OF SPECIFICATIONS.
7. ALL WORK SHALL BE NEW UNLESS OTHERWISE INDICATED.
8. ALL WORK SHALL BE DONE BY A GUAM LICENSED MASTER ELECTRICIAN OR UNDER HIS DIRECT SUPERVISION.
9. COORDINATE WORK WITH OTHER TRADES AND SUB–CONTRACTORS AS APPLICABLE.
10. CONDUCTORS SHALL BE MINIMUM #12, UNLESS OTHERWISE INDICATED.
11. VERIFY TYPE OF CEILING AND CEILING SPACE BEFORE ORDERING RECESSED LIGHT FIXTURES.
12. THE DRAWING ARE SCHEMATIC ONLY AND DO NOT SHOW ALL CONDUIT CONNECTIONS BETWEEN RESPECTIVE OUTLETS. CONTRACTOR TO DETERMINE EXACT ROUTING OF CONDUIT CONNECTIONS BETWEEN RESPECTIVE OUTLETS PER NEC FOR COMPLETE AND OPERATIONAL SYSTEM. SUBMIT SHOP DRAWING OF PROPOSED CONDUIT AND FEEDER CONNECTION FOR APPROVAL PRIOR TO ROUGH–IN.
13. DEMOLITION. IN THE AREAS OF EXISTING BUILDING WHICH ARE HAVING MAJOR ALTERATIONS, THE ELECTRICAL CONTRACTOR SHALL REMOVE OR MODIFY THE EXISTING ELECTRICAL INSTALLATION AS REQUIRED BY THE BUILDING ALTERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR KILLING CIRCUITS IN DEMOLITION AREAS TO ENSURE A SAFE CONDITION. EXISTING MATERIALS WHICH IS NOT TO BE REUSED OR IS NOT REQUESTED TO BE RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE AND BECOME THE PROPERTY OF THE CONTRACTOR FOR SALVAGE.

GPA GENERAL NOTES:

1. COORDINATE WITH GPA ENGINEERING 48 HOURS IN ADVANCE FOR INSPECTION OF MANHOLE, HANDHOLE, CONDUIT INSTALLATION, TRANSFORMER PAD AND CONDUIT / DUCT MANDRELLING PRIOR TO CONCRETE POURING.
2. OWNER SHALL GRANT A UTILITY EASEMENT TO GPA FOR POWER LINE, HANDHOLE AND TRANSFORMER PRIOR TO FINAL CONNECTION.
3. APPLICATION FOR POWER SERVICE MUST BE SUBMITTED 8 MONTHS IN ADVANCE BEFORE FINAL CONNECTION / ENERGIZATION TO ALLOW FOR DELIVERY OF GPA MATERIALS AND EQUIPMENT. FOR PAD MOUNTED TRANSFORMER PROJECT, APPLICATIONS MUST BE SUBMITTED 12 MONTHS IN ADVANCE.
4. ALL CONDUITS MUST BE CLEANED AND MANDRELLED IN THE PRESENCE OF A GPA INSPECTOR. ALL CONDUITS MUST BE PROVIDED WITH NYLON PULL ROPE OF 200LBS. MINIMUM PULL STRENGTH
5. GPA HANDHOLE, TRANSFORMER AND METER SHALL BE ACCESSIBLE 24 HOURS A DAY FOR MAINTENANCE AND METER READING.
6. ALL ABOVE GROUND GPA CONDUIT SHALL BE RIGID ALUMINM CONDUIT. ALL BELOW GRADE GPA CONDUIT SHALL BE CONCRETE ENCASED PVC SCHEDULE 40.
7. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE. (NEC) AND NATIONAL ELECTRICAL SAFETY CODE. (NESC)
8. CONTRACTOR OWNER SHALL IDENTIFY THE REGISTERED LAND SURVEYOR (RLS) PROPERTY MARKERS/POINTS TO THE GPA INSPECTOR AT THE JOBSITE.
9. PROVIDE 3 FEET MIN. CLEARANCE ALL AROUND HANDHOLES, TRANSFORMERS, AND METERING EQUIPMENT FROM FENCES, WALLS AND STRUCTURES, ETC.
10. CONTRACTOR/OWNER SHALL OBTAIN A REGISTERED LAND SURVEYOR TO PROVIDE NEW POLE STAKEOUT AND DOWN–GUY LOCATIONS: TO PREPARE EASEMENT EXHIBITS FOR GPA POLES, HANDHOLES, TRANSFORMERS, OVERHEAD/UNDERGROUND POWER LINES AND OTHER ASSOCIATED POWER FACILITIES. COORDINATE WITH GPA ENGINEERING FOR SPECIFIC REQUIREMENTS.
11. ALL SURVEY STAKEOUTS, MAPS, AND EASEMENT DOCUMENTS SHALL BE FIELD VERIFIED BY GPA.
12. ANY CHANGES TO THE APPROVED PERMITTED DRAWINGS WILL REQUIRE AS–BUILT DRAWINGS FOR APPROVAL.
13. USE EXISTING CONCRETE POLE FOR RISER.

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LED LUMINAIRE, SURFACE MOUNTED	F	FIRE ALARM AUDIO/VISUAL SIGNALLING DEVICE
	LED LUMINAIRE, PENDANT MOUNTED	F	FIRE ALARM VISUAL SIGNALLING DEVICE
	LED LUMINAIRE, SURFACE MOUNTED	A	REMOTE FIRE ALARM ANNUNCIATOR
	LED LUMINAIRE, PENDANT MOUNTED		FIRE ALARM CONTROL PANEL (FACP), ADDRESSABLE/ANALOG WITH INTEGRAL ANNUNCIATOR, BATTERY AND CHARGER.
	LED LUMINAIRE, WALL MOUNTED		MAGNETIC MOTOR STARTER, FURNISHED BY MECHANICAL CONTRACTOR & INSTALLED BY ELECTRICAL CONTRACTOR
	ILLUMINATED LED EXIT SIGN, WALL MOUNTED WITH EMERGENCY BATTERY PACK AND CHARGER		CATV CAB.
	EMERGENCY LED LUMINAIRE, WALL MOUNTED WITH EMERGENCY BATTERY PACK AND CHARGER		DATA CAB.
$a	LIGHT SWITCH, FLUSH WALL MOUNTED, 1P20A, 120/227, 1HP MAX. (LETTER INDICATES LUMINAIRES CONTROLLED)		TELEPHONE CAB.
$3	THREE–WAY SWITCH		PANELBOARD
$4	FOUR–WAY SWITCH	LC	LIGHTING CONTROL CABINET
$D	DIMMER SWITCH, LED RATED		MANUAL TRANSFER SWITCH
	TAMPER RESISTANT RECEPTACLE, DUPLEX, FLUSH MOUNTED, GROUNDING TYPE, 2P15A, 125V, NEMA TYPE 5–15R, TAMPER RESISTANT		NON–FUSED DISCONNECT SWITCH
	TAMPER RESISTANT RECEPTACLE, DUPLEX, FLUSH MOUNTED, G.F.C.I. TYPE, 2P15A, 125V, NEMA TYPE 5–15R, TAMPER RESISTANT		MCB
	TWIST LOCK RECEPTACLE, SINGLE, FLUSH MOUNTED, SPECIAL PURPOSE 120/208V–1ø, NEMA CONFIGURATION AS NOTED	PA	SIGNAL CABINET FOR PUBLIC ADDRESS
J	JUNCTION BOX, WALL MOUNTED	— - —	CONCEALED CONDUIT IN FINISHED FLOOR OR BELOW GRADE (NO HASHMARKS INDICATE 2–WIRES WITHIN), WITH SEPERATE GROUND WIRE
E	EQUIPMENT CONNECTION		CONCEALED CONDUIT IN CEILING OR WALLS, (HASHMARKS INDICATE 3–WIRES WITHIN, ALL OTHERS SIMILAR)
F	FAN CONNECTION	– – – –	EXPOSED RACEWAY, PROVIDE STRAP 8,–0" ON CENTER MINIMUM
WH	INSTANTANEOUS WATER HEATER CONNECTION	A–1,3	HOMERUN ARROW TO PANELBOARD, LETTER INDICATES PANELBOARD, NUMBERS INDICATES CIRCUITS
S	SPEAKER OUTLET, WALL MOUNTED (PUBLIC ADDRESS)		LIQUID–TIGHT FLEXIBLE CONDUIT
S	SPEAKER OUTLET, CEILING MOUNTED (PUBLIC ADDRESS)	1	DUCT INDICATOR
VC	VOLUME CONTROL OUTLET, WALL MOUNTED (PUBLIC ADDRESS)	LA	LUMINAIRE TYPE INDICATOR
B	BLANK COVER OUTLET WITH 3/4"C TO LIGHTING CABINET, WALL MOUNTED		
M	MULTIMEDIA OUTLET, 3–GANG MIN, WITH 1"C TO PA CABINET. FLUSH WALL MOUNTED	ACCU 1	EQUIPMENT TYPE INDICATOR
	TELEPHONE OUTLET BOX, FLUSH WALL MOUNTED WITH BUSHED DEVICE PLATE		
	DATA OUTLET, FLUSH WALL MOUNTED	WP	WEATHERPROOF
V	TV OUTLET, FLUSH MOUNTED, WITH BUSHED DEVICE PLATE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
F	FIRE ALARM MANUAL PULL STATION	NL	NIGHT LIGHT

MOUNTING HEIGHT SCHEDULE

(UNLESS OTHERWISE INDICATED)

SYMBOL	MOUNTING HEIGHT	FROM		TO		
		GRADE	FINISH FLOOR	TOP	CENTER	BOTTOM
	+18"		o		o	
V B	+18"		o		o	
$ $a $3 $M F	+48"		o		o	
	+6'–0"		o	o		
A	+6'–0"		o	o		
S	+7'–6"		o		o	
	+6'–6"		o		o	
F F	+81"		o		o	
	+9'–0"		o			o
	+19'–0"		o			o

NOTE

1. MOUNTING HEIGHT SHOWN ARE FOR GENERAL GUIDE ONLY. VERIFY EXACT MOUNTING HEIGHT OF EACH DEVICE AND/OR EQUIPMENT WITH ARCHITECTURAL OBTAIN APPROVAL FROM CONTRACTING OFFICER PRIOR TO ROUGH–IN.

REVISED BY | DESCRIPTION | DATE | REVISION

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PROPOSED GHURA COMMUNITY ARTS CENTER

SHEET CONTENTS:
GENERAL NOTES, ELECTRICAL SYMBOL LIST, MOUNTING HEIGHT SCHEDULE

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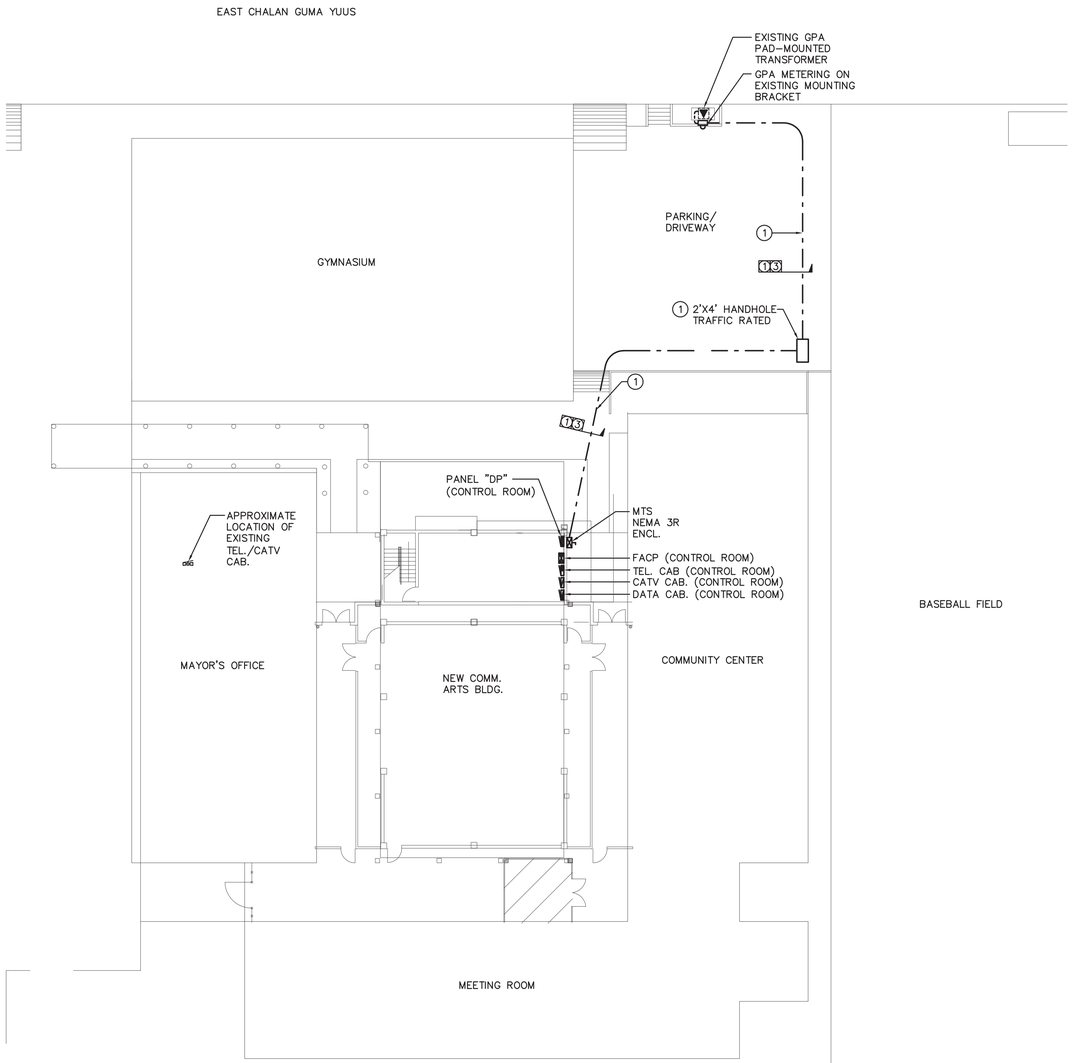

1 / E-2.0 ELECTRICAL SITE PLAN
SCALE: 1/16" = 1'-0"

NOTE:

(1) SAWCUT EXISTING PAVEMENT TO INSTALL DUCTLINES AND HANDHOLE. RESTORE TO ORIGINAL CONDITIONS.

LUMINAIRE SCHEDULE

TYPE	LAMPS/ WATTAGES	DESCRIPTION	REMARKS	TYPE	LAMPS/ WATTAGES	DESCRIPTION	REMARKS
LA	1-92W LED	13" LED LUMINAIRE, CEILING PENDANT MOUNTED. HOUSING, WHITE DIE-CAST ALUMINUM HOUSING ALONG WITH A REMOVABLE DIE-CAST ALUMINUM DRIVER HOUSING. OPTICS, 16" THICK CLEAR TEMPERED GLASS LENS PROTECTS LEDs. ELECTRICAL, HIGH-EFFICIENCY LEDs. INPUT VOLTAGE IS MVOLT(120-277V) AND HVOLT(347-480V). LISTING, UL AND CUL LISTED, AND WET LOCATION LISTED.	LITHONIA LIGHTING JEBL SERIES	LG	1-12.8W LED	6" LED DOWNLIGHT, CEILING SURFACE MOUNTED. HOUSING, HEAVY-GAUGE ALUMINUM HOUSING. FINISH, TEXTURED POLYESTER POWDER PAINT FINISH. SELF-FLANGED ANODIZED REFLECTORS IN SPECULAR, SEMI-SPECULAR, OR MATTE DIFFUSE FINISHES. OPTICS, DIFFUSING LENS COVERS OPTICAL CHAMBER. ELECTRICAL, MULTI-VOLT 0-10V DIMMING AVAILABLE. LISTING, CERTIFIED TO US AND CANADIAN SAFETY STANDARDS AND DAMP LOCATION STANDARD.	LITHONIA LIGHTING LDN6CYL SERIES
LB	1-17W LED	1'X2' LED LUMINAIRE, WALL MOUNTED. HOUSING, ACRYLIC DIFFUSER. FINISH, BRUSHED NICKEL AND BRONZE. OPTICS, EXTRUDED ACRYLIC DIFFUSER. ELECTRICAL, COUPLED WITH MULTIVOLT DRIVER. LISTING, UL LISTED AND LISTED FOR DAMP LOCATION.	LITHONIA LIGHTING FMVTRL SERIES	LH	1-22W LED	LED LUMINAIRE, WALL MOUNTED. HOUSING, RUGGED CAST-ALUMINUM, CORROSION-RESISTANT REAR MOUNTING PLATE. IMPACT RESISTANT POLYCARBONATE FRONT COVER/DIFFUSER RESISTS FADING AND CRACKING. OPTICS, LENSES ARE ENGINEERED FOR SUPERIOR LIGHTING DISTRIBUTION, UNIFORMITY AND FIXTURE SPACING. LISTING, UL LISTED AND CANADIAN SAFETY STANDARDS FOR WET LOCATIONS.	LITHONIA LIGHTING OLWP SERIES
LC	1-8.9W LED	LED LUMINAIRE, WALL MOUNTED. HOUSING, RUGGED CAST-ALUMINUM. FINISH, THERMOSET POWDER COAT. OPTICS, POLYCARBONATE LED LENS/COVER. ELECTRICAL, FIXTURE OPERATES AT 120 VOLTS, 60 HZ. LISTINGS, UL LISTED AND CANADIAN SAFETY STANDARDS FOR WET LOCATIONS.	LITHONIA LIGHTING OLCS SERIES	LI	1-28W LED	LED LUMINAIRE, WALL MOUNTED. HOUSING, RUGGED CAST-ALUMINUM HOUSING WITH BRONZE POLYESTER POWDER PAINT. OPTICS, PRISMATIC GLASS LENS. ELECTRICAL, FIXTURE OPERATES AT 120 VOLTS, 60 HZ. LISTINGS, UL LISTED AND CANADIAN SAFETY STANDARDS FOR WET LOCATIONS.	LITHONIA LIGHTING TWR1 LED SERIES
LD	1-40W LED	1'X4' LED LUMINAIRE, PENDANT MOUNTED. HOUSING, METAL PARTS ARE DIE FROM CODE-GAUGE STEEL. PRISMATIC DIFFUSER IS 100% ACRYLIC. FINISH, FIVE-STAGE IRON PHOSPHATE. OPTICS, CURVED PRISMATIC DIFFUSER. ELECTRICAL, COUPLED WITH HIGH-EFFICIENCY DRIVERS. LISTINGS, CSA CERTIFIED AND DAMP LOCATION LISTED.	LITHONIA LIGHTING LBL4 LED SERIES	XA	1-1.5W LED	EXIT LED LUMINAIRE, UNIVERSAL MOUNTED. HOUSING, ENGINEERING-GRADE THERMOPLASTIC, IMPACT RESISTANT. ELECTRICAL, DUAL-VOLTAGE 120V/277V. BATTERY, SEALED, MAINTENANCE-FREE NICKEL CADMIUM BATTERY. LISTING, UL STANDARD AND SUITABLE FOR DAMP LOCATION.	LITHONIA LIGHTING LHQM SERIES
LE	1-32W LED	1'X4' LED LUMINAIRE, SURFACE MOUNTED. HOUSING, METAL PARTS ARE DIE FROM CODE-GAUGE STEEL. PRISMATIC DIFFUSER IS 100% ACRYLIC. FINISH, FIVE-STAGE IRON PHOSPHATE. OPTICS, CURVED PRISMATIC DIFFUSER. ELECTRICAL, COUPLED WITH HIGH-EFFICIENCY DRIVERS. LISTINGS, CSA CERTIFIED AND DAMP LOCATION LISTED.	LITHONIA LIGHTING LBL4 LED SERIES	XB	1-11W LED	EMERGENCY LED LUMINAIRE, WALL MOUNTED. HOUSING, STANDARD WHITE THERMOPLASTIC WITH A COMPACT AND LOW-PROFILE CONTEMPORARY DESIGN. LAMP HEAD HAVE A UNIQUE TRACK-AND-SWIVEL. OPTICS, TWO HIGH-PERFORMACE LED RATE. ELECTRICAL, MULTIPLE VOLTAGE. BATTERY, SEALED, FREE-MAINTENANCE NICKEL-CADMIUM. LISTING, UL STANDARD AND SUITABLE FOR DAMP AND WET LOCATIONS.	LITHONIA LIGHTING ELM4L SERIES
LF	1-28W LED	13" ROUND LED LUMINAIRE, SURFACE MOUNTED. HOUSING, FEATURES A MATTE WHITE ACRYLIC DIFFUSER. FINISH, MATTE, POLISHED, TEXTURED. OPTICS, PRODUCES 660 LUMENS AT 50,000 HRS. ELECTRICAL, 120 VOLTS. LISTING, CSA CERTIFIED AND UL LISTED, SUITABLE FOR WET AND DAMP LOCATIONS.	LITHONIA LIGHTING FMML SERIES				

PANEL " DP"

(TWO SECTIONS)

120/208 VOLTS, 3 PHASE, 4 WSN
3P200A MAIN CB, SURFACE MOUNTED
10,000 MIN AIC

CKT No.	CKT. BKR. POLE	CKT. BKR. AMPS	USE	CONN. LOAD (KVA) A	B	C	WIRE SIZE
1	1	20	LIGHTING (FOYER, MEN'S TOILET, WOMEN'S TOILET)	1.0			#12
2	1	20	RECEPTACLE (FOYER, MEN'S TOILET, WOMEN'S TOILET)	1.2			#12
3	1	20	LIGHTING (HALLWAY)		1.0		#12
4	1	20	RECEPTACLE (CONTROL ROOM)		1.2		#12
5	1	20	LIGHTING (HALLWAY-LEFT)			1.0	#12
6	1	20	RECEPTACLE (CONTROL ROOM)			1.2	#12
7	1	20	LIGHTING (HALLWAY-RIGHT)	1.0			#12
8	1	20	RECEPTACLE (HALLWAY-LEFT)	1.2			#12
9	1	20	LIGHTING (MULTI-PURPOSE AREA)		1.0		#12
10	1	20	RECEPTACLE (HALLWAY-RIGHT)		1.2		#12
11	1	20	LIGHTING (MULTI-PURPOSE AREA)			1.0	#12
12	1	20	RECEPTACLE (CORRIDOR)			1.2	#12
13	1	20	LIGHTING (CONTROL ROOM, STAIRS)	1.0			#12
14	1	20	RECEPTACLE (MULTI-PURPOSE ROOM)	1.2			#12
15	1	20	LIGHTING (NL)		1.0		#12
16	1	20	RECEPTACLE (MULTI-PURPOSE ROOM)		1.2		#12
17	1	20	EMERGENCY & EXIT LIGHTS			1.0	#12
18	1	20	RECEPTACLE (MULTI-PURPOSE AREA)			1.2	#12
19	1	20	FACP	1.0			#12
20	1	20	RECEPTACLE (HALLWAY)	1.2			#12
21	1	20	PUBLIC ADDRESS 1 CABINET (FUTURE)		1.0		#12
22	1	20	SIGNAL CABINET (FUTURE PUBLIC ADDRESS)		1.0		#12
23	1	20	LIGHTING CONTROL CABINET			1.0	#12
24	1	20	LIGHTING (COVERED WALKWAY AND DRIVEWAY)			1.0	#12
25	2	20	ACCU-1	1.1	1.1		#12
26	2	20	ACCU-2	1.1	1.1		#12
27	2	20	ACCU-3		1.1	1.1	#12
28	2	20	ACCU-4		1.1	1.1	#12
29	2	20	ACCU-5	1.1		1.1	#12
30	2	20	ACCU-6	1.6		1.6	#10
31	3	60	PCU-1	3.8	3.8	3.8	#8
32	3	60	PCU-2	3.8	3.8	3.8	#8
33	1	20	INSTANTANEOUS WATER HEATER (IWH)		1.4		#12
34	1	20	INSTANTANEOUS WATER HEATER (IWH)		1.4		#12
35	1	20	SPARE			1.0	-
36	1	20	SPARE			1.0	-
37	1	20	SPARE	1.0			-
38	1	20	SPARE	1.0			-
39	1	20	SPARE		1.0		-
40	1	20	SPARE		1.0		-
			TOTAL LOAD/PHASE	23.3	25.4	23.1	
			TOTAL LOAD	71.80		KVA	
			DEMAND FACTOR	0.8			
			DEMAND LOAD	57.44		KVA	
			DEMAND AMPS	159.44		AMPS	

0 6' 12' 18' 24' 30' 36' 42' 48'
GRAPHIC SCALE: 1/16" = 1'-0"

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PROPOSED GHURA COMMUNITY ARTS CENTER

SHEET CONTENTS:
ELECTRICAL SITE PLAN AND SCHEDULES

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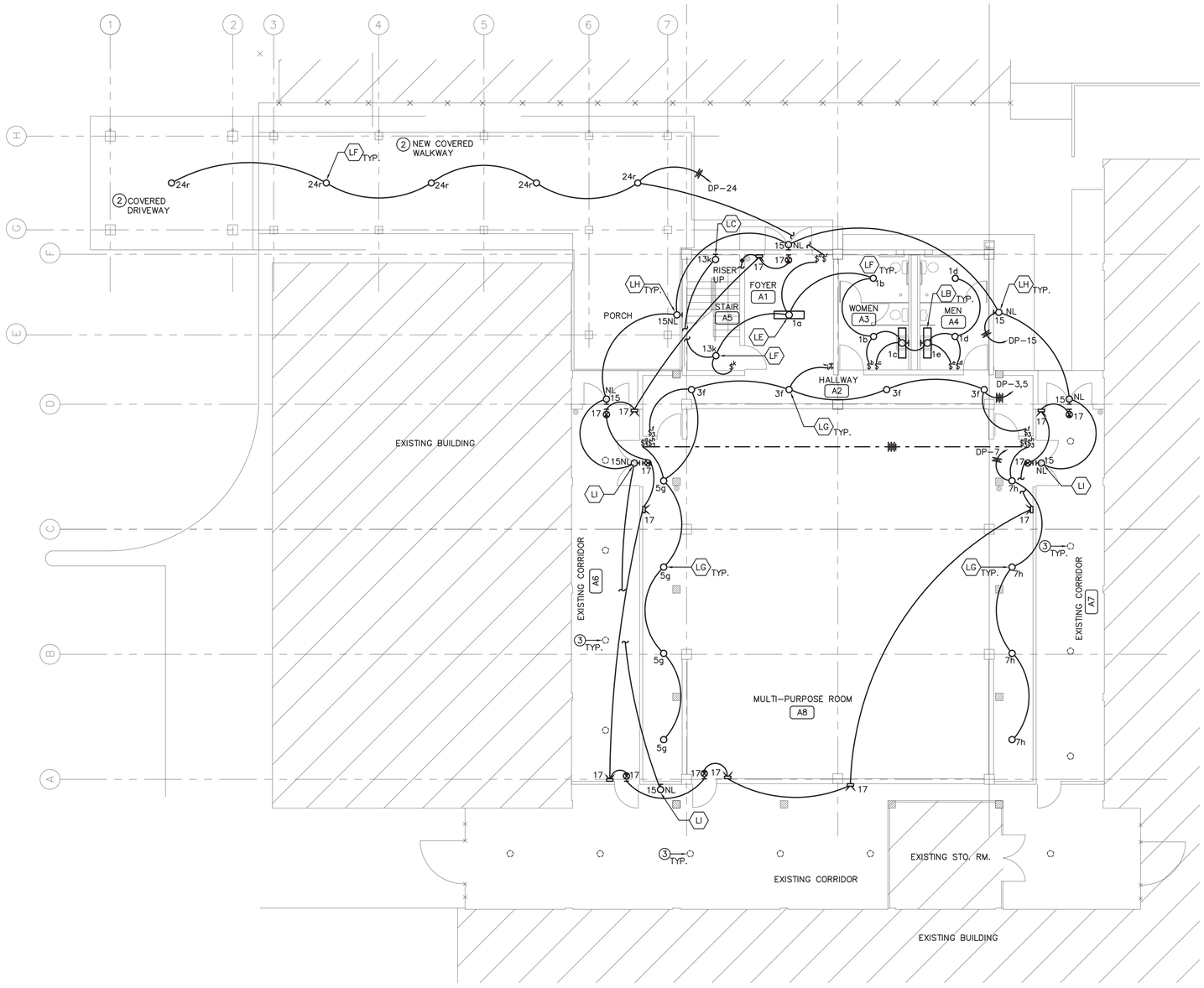
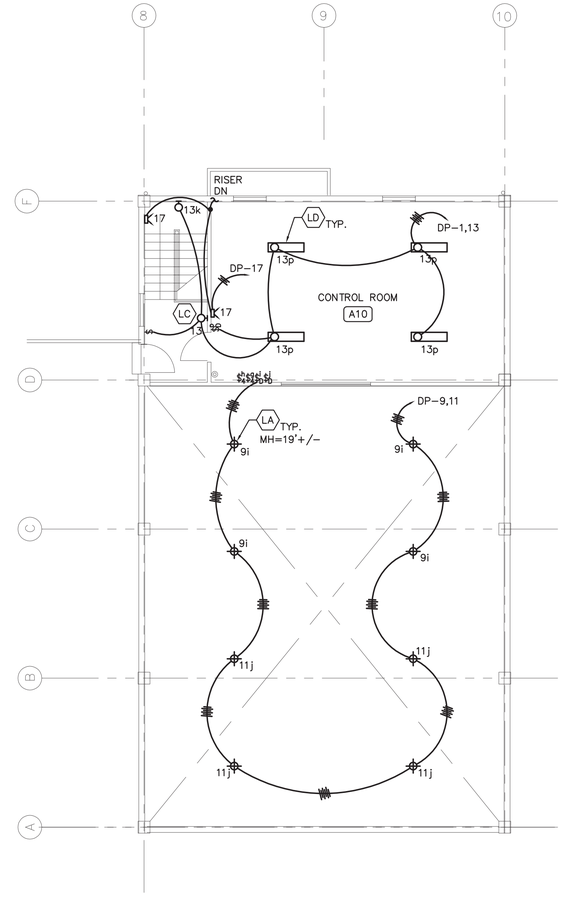
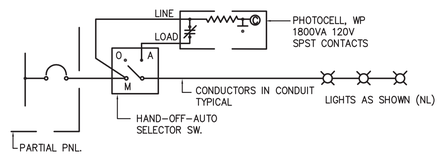


A GROUND FLOOR PLAN



B MEZZANINE FLOOR PLAN



1 / E-3.0 PHOTOCELL CONTROLLED CIRCUITS

NTS

(1) PROVIDE CONTACTOR(S) IN CABINET AS REQUIRED.

2 / E-3.0 LIGHTING PLAN

SCALE; 1/8" = 1'-0"

NOTES:

(1) UNLESS OTHERWISE INDICATED, REMOVE ALL EXISTING CEILING LIGHTS AND ASSOCIATED LIGHT SWITCHES AND EXPOSED CONDUITS WITHIN THE AREA AFFECTED BY THE PROJECT. VERIFY EXACT CONDITIONS AT JOBSITE.

(2) REMOVE ALL EXISTING LIGHTING AND PROVIDE NEW UNITS AS SHOWN. CONNECT TO EXISTING LIGHT CIRCUIT AND ASSOCIATED LIGHT SWITCH WITH MATCHING CONDUIT AND WIRING. NEW LIGHT SWITCH AS REQUIRED.

(3) EXISTING LIGHTS TO REMAIN. VERIFY EXACT LOCATION AT JOBSITE.

0 1'2' 4' 8' 12' 16' 20' 24'

GRAPHIC SCALE: 1/8" = 1'-0"

REVISION	DATE	DESCRIPTION	REVISED BY

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SHEET CONTENTS:
LIGHTING PLAN AND PHOTOCELL CONTROLLED CIRCUITS DIAGRAM

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DRAWN BY: EPI
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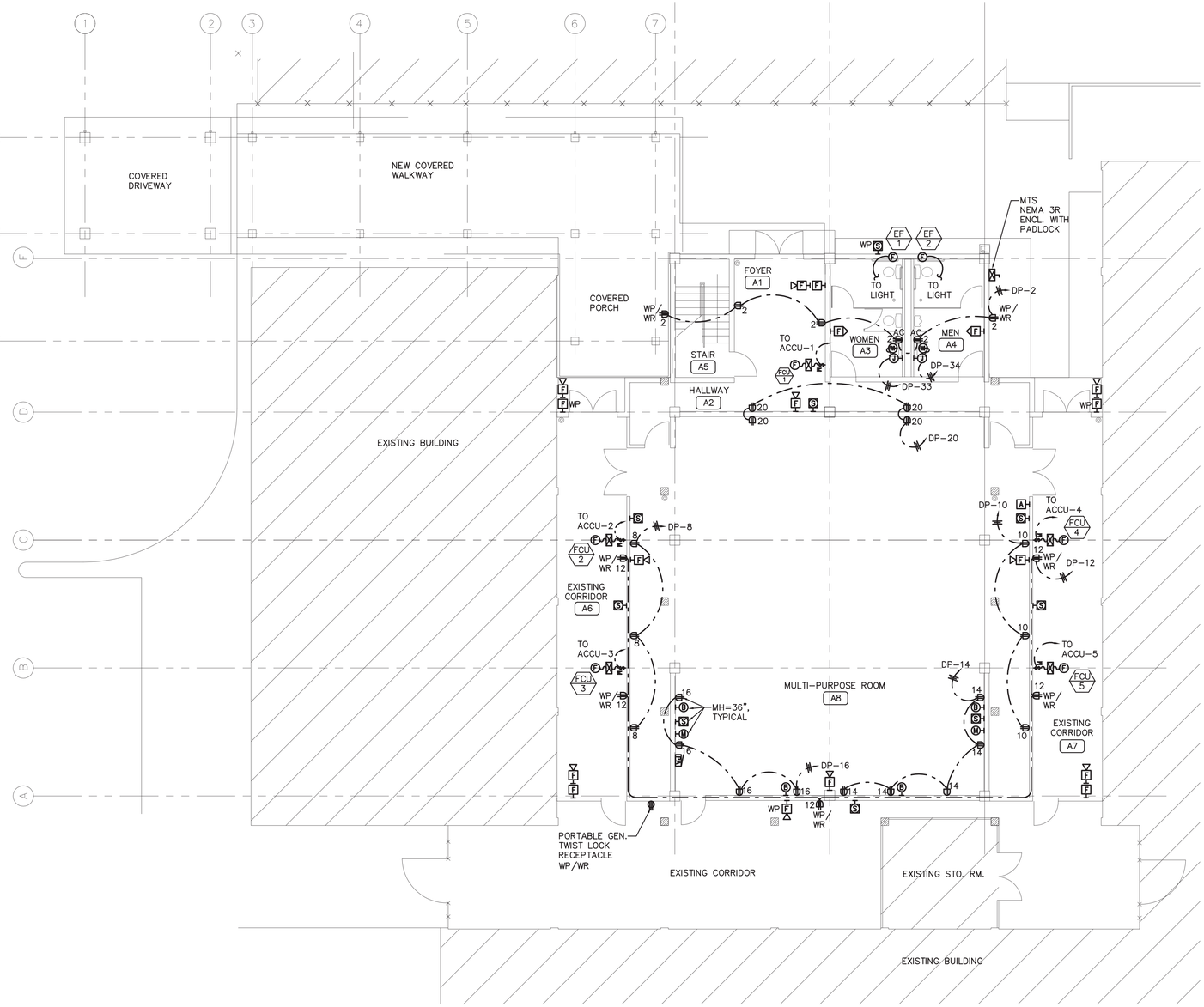
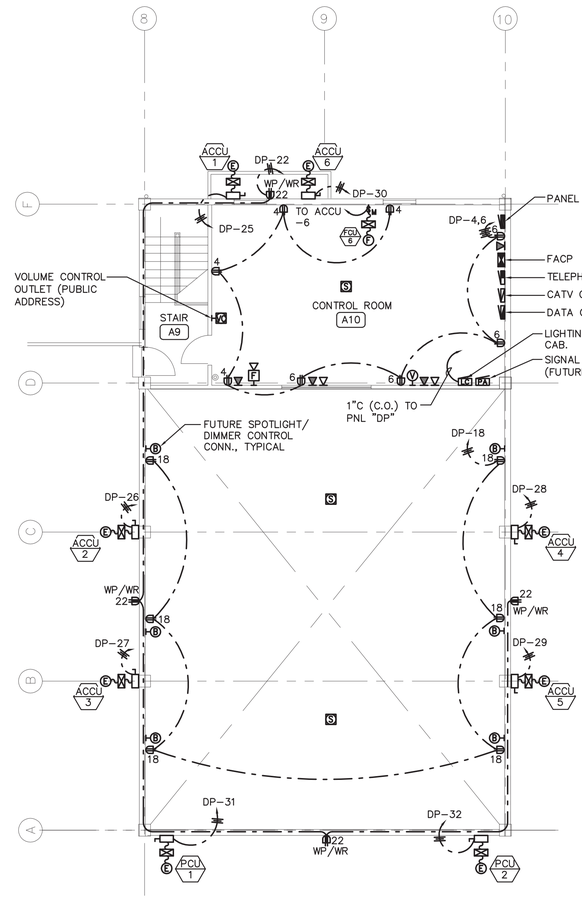


A GROUND FLOOR PLAN



B MEZZANINE FLOOR PLAN

1 / E-4.0 POWER/SIGNAL PLAN

SCALE; 1/8" = 1'-0"

NOTE:

(1) REMOVE ALL EXISTING PANEL, WALL OUTLETS AND ASSOCIATED EXPOSED CONDUITS WITHIN THE AREA AFFECTED BY THE PROJECT. VERIFY EXACT CONDITIONS AT JOBSITE.

GRAPHIC SCALE: 1/8" = 1'-0"

REVISED BY	DESCRIPTION	DATE	REVISION

E. M. CHEN & ASSOCIATES, INC.
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E.M. CHEN BLDG 1001 Army Drive, Suite 201, Barrigada Heights, Guam 96913
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GUAM HOUSING AND URBAN RENEWAL AUTHORITY
(ATURIDAT GINIMA YAN RINUEBAN SIUDAT GUAHAN)

PROPOSED GHURA COMMUNITY ARTS CENTER

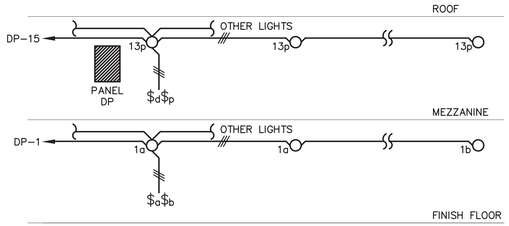
SHEET CONTENTS: POWER/SIGNAL PLAN

ARCENCIO R. VICENTE
CERTIFICATE
No 773
EXPIRATION DATE
DEC 31, 2020
GUAM
PROFESSIONAL ENGINEER

This work was prepared by me or under my responsible control
9-11-19
DATE:

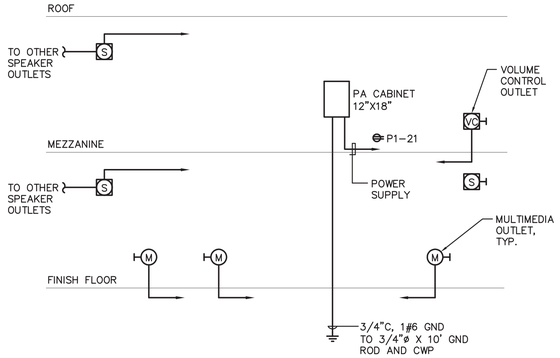
DESIGNED BY:	EPI
DRAWN BY:	EPI
CHECKED BY:	ARV
DATE:	09-05-2019

DWG. NO.
E-4.0



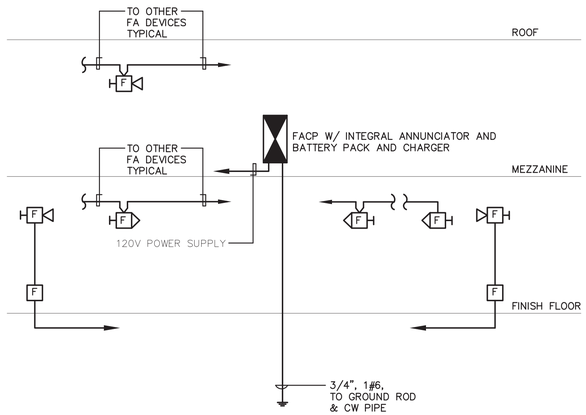
1 LIGHTING CONNECTION DIAGRAM
E-5.0 NTS

① SEE PLANS FOR EXACT QUANTITY OF DEVICES/OUTLETS.



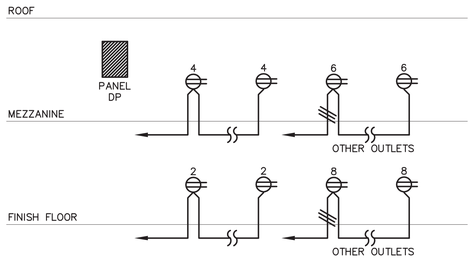
2 PUBLIC ADDRESS RISER DIAGRAM
E-5.0 NTS

NOTES:
① ALL 3/4" CONDUIT UNLESS OTHERWISE INDICATED.
② PROVIDE PULLCORDS IN ALL EMPTY CONDUITS.
③ SEE PLANS FOR EXACT QUANTITY OF PA DEVICES REQUIRED.



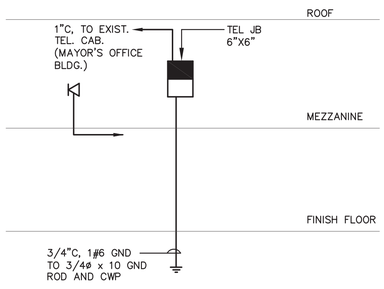
3 FIRE ALARM RISER DIAGRAM
E-5.0 NTS

① ALL 3/4" CONDUIT UNLESS OTHERWISE NOTED.
② CABLES AS REQUIRED.
③ SEE PLANS FOR EXACT QUANTITY OF DEVICES/OUTLETS.



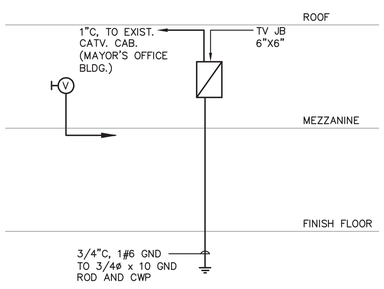
4 POWER CONNECTION DIAGRAM
E-5.0 NTS

① SEE PLANS FOR EXACT QUANTITY OF DEVICES/OUTLETS.



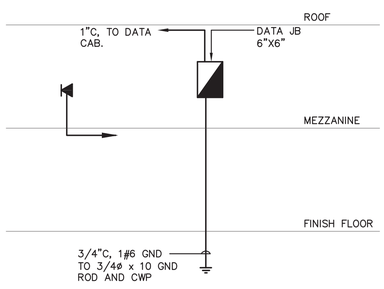
5 TELEPHONE RISER DIAGRAM
E-5.0 NTS

① ALL 3/4" CONDUIT UNLESS OTHERWISE NOTED.
② PROVIDE CAT6 IN ALL CONDUITS.
③ SEE PLANS OF EXACT QUANTITY OF DEVICES/OUTLETS.



6 CATV RISER DIAGRAM
E-5.0 NTS

① ALL 3/4" CONDUIT UNLESS OTHERWISE NOTED.
② PROVIDE PULLCORD IN ALL EMPTY CONDUITS.
③ SEE PLANS OF EXACT QUANTITY OF DEVICES/OUTLETS.



7 DATA RISER DIAGRAM
E-5.0 NTS

① ALL 3/4" CONDUIT UNLESS OTHERWISE NOTED.
② PROVIDE PULLCORD IN ALL EMPTY CONDUITS.
③ SEE PLANS OF EXACT QUANTITY OF DEVICES/OUTLETS.

EQUIPMENT SCHEDULES :

PACKAGED COOLING UNITS:

MARK NUMBER	AREA SERVED	ELECTRICAL CHARACTERISTICS			VOLTS	PHASE	HERTZ	NON-FUSED DISCONNECT SWITCH NEMA 3R ENCL.
		COMPRESSOR (QTY. X RLA)	FAN MOTOR, (QTY. X FLA)					
			COND	EVAP				
PCU 1	AUDITORIUM	1 X 25	1 X 3.3	1 X 3.3	208-230	3	60	3P60A
PCU 2	AUDITORIUM	1 X 25	1 X 3.3	1 X 3.3	208-230	3	60	3P60A

AIR-COOLED CONDENSING UNIT AND FAN COIL UNITS:

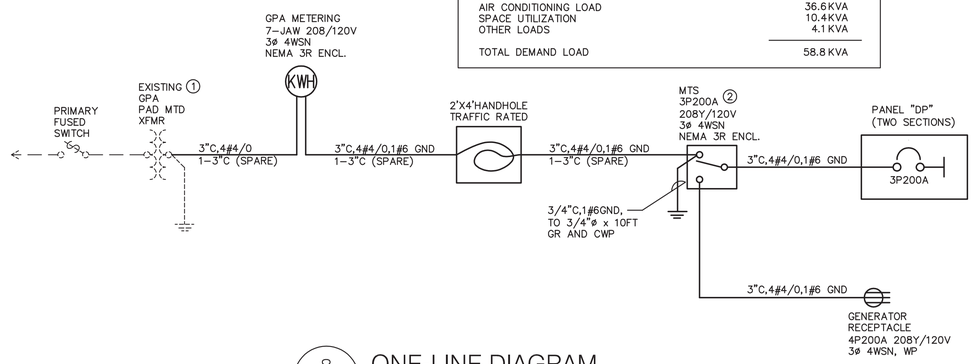
MARK NUMBER	AREA SERVED	ELECTRICAL CHARACTERISTICS			VOLTS	PHASE	HERTZ	NON-FUSED DISCONNECT SWITCH NEMA 3R ENCL.
		OUTDOOR UNIT		INDOOR UNIT, FLA				
		COMP. QTY. X MCA	COND. QTY X FLA	EVAP				
ACCU 1 / FCU 1	FOYER	1 X 12	1 X 0.50	1 X 0.76	208-230	1	60	2P30A
ACCU 2 / FCU 2	CORRIDOR	1 X 12	1 X 0.50	1 X 0.76	208-230	1	60	2P30A
ACCU 3 / FCU 3	CORRIDOR	1 X 12	1 X 0.50	1 X 0.76	208-230	1	60	2P30A
ACCU 4 / FCU 4	CORRIDOR	1 X 12	1 X 0.50	1 X 0.76	208-230	1	60	2P30A
ACCU 5 / FCU 5	CORRIDOR	1 X 12	1 X 0.50	1 X 0.76	208-230	1	60	2P30A
ACCU 6 / FCU 6	CONTROL & PROJECTOR ROOM	1 X 19	1 X 0.40	1 X 0.54	208-230	1	60	2P60A

EXHAUST FAN SCHEDULE:

MARK NUMBER	AREA SERVED	MOTOR				DISCONNECT SWITCH
		HP	VOLTS	PHASE	HERTZ	
EF 1	WOMEN'S RESTROOM	1/4	115	1	60	MANUAL SWITCH
EF 2	MEN'S RESTROOM	1/4	115	1	60	MANUAL SWITCH

ESTIMATED LOAD SUMMARY:

GEN. ILLUMINATION (PER NEC TABLE 220.12)	3.4 KVA
GEN. RECEPTACLE LOAD	4.3 KVA
AIR CONDITIONING LOAD	36.6 KVA
SPACE UTILIZATION	10.4 KVA
OTHER LOADS	4.1 KVA
TOTAL DEMAND LOAD	58.8 KVA



8 ONE-LINE DIAGRAM
E-5 NOT TO SCALE

① EXCAVATE UNDERNEATH EXISTING GPA TRANSFORMER WITH CARE TO INSTALL CONDUITS AS SHOWN. PROVIDE TEMPORARY SUPPORT AS REQUIRED. COORDINATE WORK WITH GPA.
② SERVICE EQUIPMENT RATED UNIT.

REVISED BY | DESCRIPTION | DATE | REVISION

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PROPOSED GHURA COMMUNITY ARTS CENTER

SHEET CONTENTS: DIAGRAMS AND SCHEDULES

ASCENCIO R. VICENTE
No 773
CERTIFICATE OF REGISTRATION
Exp. Dec. 31, 2020
GUAM
PROFESSIONAL ENGINEER

This work was prepared by me or under my responsible control
DATE: 9-11-19

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DRAWN BY: EPI
CHECKED BY: ARV
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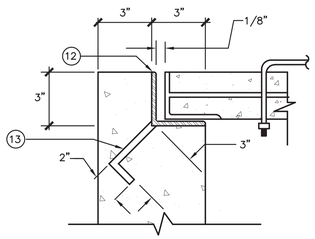
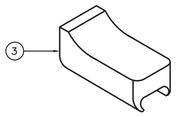
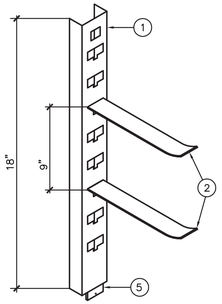
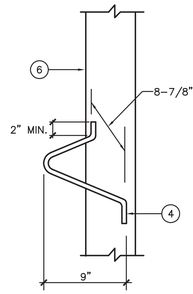


DETAIL "A"
NOT TO SCALE





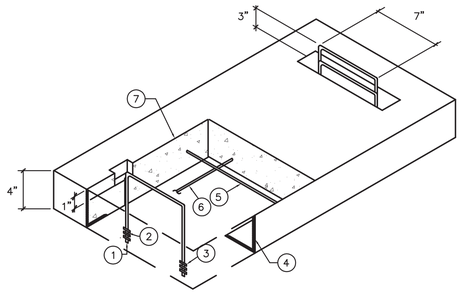
HOOK TYPE INSULATOR
NOT TO SCALE

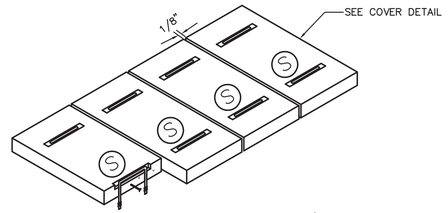


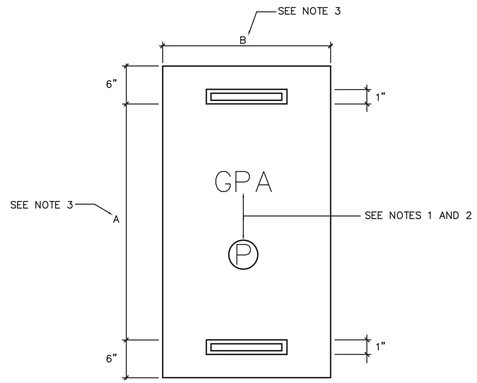
CABLE RACK
NOT TO SCALE

PULLING IRON
NOT TO SCALE

ITEM	INDEX NO.	BILL OF MATERIALS
1		CABLE RACK HOT DIP GALV.
2		INSULATOR WELDED SUPPORT
3		HOOK TYPE INSULATOR
4		PULLING IRON 7/8" GALV.
5		SLOT FOR 1/2" BOLT AND LEAD ANCHOR
6		6" THICK CONCRETE WALL AT 3000 PSI





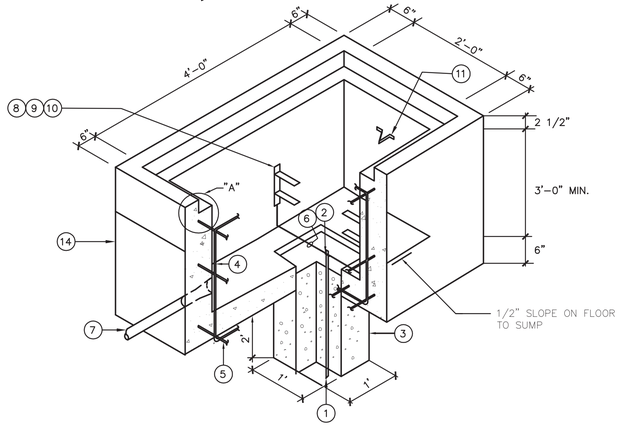


1 E-6.0 CONCRETE HANDHOLE COVER CONSTRUCTION DETAILS (TRAFFIC RATED)
NTS

NOTE:

1. ALL LETTERING SHALL BE 3" WITH 1/4" EMBEDMENT.
2. INDICATE GPA ON EVERY GPA HANDHOLE COVER WITH LETTER "S" FOR SECONDARY OR "P" PRIMARY AND CENTERED AS SHOWN.
3. A = 3'-5 3/4", B = 1'-4 3/8" FOR 5'x4'x5',
   A = 1'-5 3/4", B = 1'-1 3/8" FOR 2'x4'x3',
   A = 1'-5 3/4", B = 1'-2 3/4" FOR 2'x2'X2'.

ITEM	INDEX NO.	BILL OF MATERIALS FOR HANDHOLES
1		1/2"ø STEEL LIFTING DEVICE GALVANIZED
2		NUT, 1/2"ø HOLE
3		ROUND WASHER 2"ø WITH 5/8" HOLE
4		2 1/2" x 4" x 1/4" ANGLE IRON, HOT DIP GALVANIZED ALL AROUND
5		#4 REBAR AT 6" O.C. WELDED TO ANGLE FRAME
6		#4 REBAR AT O.C. WELDED TO ANGLE FROM AND OTHER #3 REBAR
7		4" THICK CONCRETE AT 3000 PSI

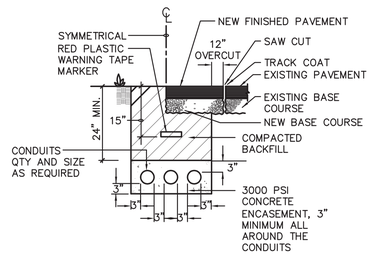


2 E-6.0 2 'X 4' X 3' HANDHOLE (TRAFFIC RATED)
NTS

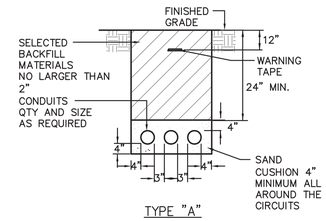
NOTES:

1. GROUND ALL HARDWARES IN THE HANDHOLE.
2. TOP OF THE HANDHOLE SHOULD BE FLUSH WITH THE SIDEWALK SURFACE OTHERWISE THERE SHOULD BE A 2" CLEARANCE FROM REGULAR GROUND SURFACE.
3. AREA OF CONDUIT ENTRANCES SHOULD BE 6" MINIMUM FROM THE FLOOR SLAB, 10" MINIMUM FROM THE LEFT OR RIGHT SIDE WALL, AND 12" MINIMUM FROM THE TOP OF THE HANDHOLE.
4. PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.

ITEM	INDEX NO.	BILL OF MATERIALS FOR HANDHOLES
1		5/8"DIAMETER X 8'-0" COPPER WELD GROUND ROD
2		5/8" COPPER GROUND ROD CLAMP
3		1" TO 1-1/2" MAXIMUM GRAVE SIZE, FILL TO FINISH FLOOR
4		#4 REBAR AT 10" O.C. VERTICAL
5		#4 REBAR AT 10" O.C. HORIZONTAL
6		#6 BARE COPPER WIRE (SOLID) FOR GROUNDING HARDWARE
7		CONDUIT WITH END BELL 6" FROM FLOOR SLAB, SIZE AND QUANTITY AS RE'Q.
8		CABLE RACK HOT DIP GALV.
9		HOOK TYPE INSULATOR
10		INSULATOR WELDED SUPPORT
11		PULLING IRON 7/8" (GALV.) OPPOSITE END OF EACH CONDUIT ENTRANCE
12		4"X4"X1/4" ANGLE IRON HOT DIP GALV. ALL AROUND
13		3/8" STEEL ROD WELDED TO FRAME EVERY 12" O.C.
14		6" THICK CONCRETE FLOOR SLAB AND WALL AT 3000 PSI
15		CONDUIT WITH END BELL 28" FROM FLOOR SLAB, SIZE AND QUANTITY AS REQ'D.



TYPE "B"



TYPE "A"

NOTES:

1. TYPE "A" SHALL BE USED IN AREAS WITHOUT DRIVEWAYS, PARKING LOTS OR ROADWAYS.
2. TYPE "B" SHALL BE USED UNDER DRIVEWAYS, PARKING LOTS OR ROADWAYS AND AT ELBOWS, BENDS AND/OR CURVES, ENCASEMENT SHALL EXTEND ONE FOOT BEYOND BOUNDARY OF DRIVEWAYS, PARKING LOTS AND ROADWAYS AND BEYOND THE ENDS OF THE BENDS, CURVES AND ELBOWS.
3. PROVIDE STANDARD WARNING TAPE 12" BELOW THE FINISHED GRADE THE WHOLE ROUTE OF THE TRENCH.
4. 12" MINIMUM CLEARANCE BETWEEN ELECTRIC AND COMMUNICATION UTILITIES, WATER, SEWER, FUEL LINE, ETC. SHALL NOT BE IN THE SAME TRENCH AND SHALL BE LOCATED AS FAR AS PRACTICABLE FROM ELECTRIC DUCTS.

3 E-6.0 DUCT DETAILS
NTS

DUCT SCHEDULE

MARK	DESCRIPTION
1	3"C, SECONDARY, CABLES AS SHOWN
2	3"C, SECONDARY CABLES BY GPA
3	3"C, (SPARE)
4	(NOT USED)
5	
6	
7	
8	

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