



NOTIFICACIÓN NÚM. 3

SUBASTA FORMAL 22J-10586 PARA LA ADQUISICIÓN E INSTALACIÓN DE UN GENERADOR ELÉCTRICO PARA LA ADMINISTRACIÓN DE COMPENSACIONES POR ACCIDENTES DE AUTOMÓVILES DEL GOBIERNO DE PUERTO RICO

ASUNTO: ENVÍO DE PLANOS Y ESPECIFICACIONES ELÉCTRICAS DEL GENERADOR

Se notifica a los licitadores invitados a participar en la subasta de referencia, de lo siguiente:

- I. Se les remiten planos sobre los trabajos a realizarse.
- II. Especificaciones eléctricas del generador.

Esta Notificación forma parte del pliego de subastas y quienes interesen licitar, tendrán que considerarla al presentar su oferta. Todos los demás términos, condiciones y especificaciones permanecerán sin alterar.

Edmarie Avilés Almenas

Secretaria

Junta de Subastas

Emitido hoy, martes, 21 de junio de 2022 En San Juan, Puerto Rico





Gobierno de Puerto Rico

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NEW IMPROVEMENTS ACAA BUILDING 255-273 AVENIDA DE LA CONSTITUCION SAN JUAN, PUERTO RICO





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A-1.0 PROPOSED GROUND FLOOR PLAN

GROUND FLOOR ELECTRICAL PLAN









255-273 AVENIDA DE LA CONSTITUCION SAN JUAN, PUERTO RICO



GENERAL NOTES:

<u>Abbreviations</u>

galyanized general contractor

- THE CONTRACTOR SHALL HEAPY ALL DIMENSIONS AND CONSTRUCTION OF SHALL DIMENSIONS TO ANY DISCUSSION OF SHALL DIMENSIONS THE CONSTRUCTION OF SHALL DIMENSION OF SHALL DIMENSIONS OF SHALL DIME
- THE CONTRACTOR SHALL SUBNIT TO THE ARCHITECT ALL SHOP DRAWNOS FOR REVIEW PRIOR TO COMMENIZMENT OF THE WORK. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGES INFLICTED TO THE OWNER'S PROPERTY OR OTHER KERK,
- ALL MATERIALS AND CONSTRUCTION METHODS USED MUST COMPLY WITH ALL COMPRING REGULATIONS AS SET FORTH BY THE PRECENT RIOP PLANNING BOARD, AND ALL OTHER COMPENDS REGULATIONY ACCROSS. DRAWNOS ARE NOT TO BE SCALED, SEE ARCHITECTURAL DRAWNOS FOR EXACT OBSENSIONS.
- NATURE CONSTRUCTION INCLUDING CONCRETE, MASONRY, PLASTEN, 2008S, FRANCE, AND MESCEL-MEDUS (MANUESS STEEL), STATES OTHERWISE INDICATED.
- ALL STEEL CONSTRUCTION IN DEADITS AGE TO BE PRINED WITH AT LEAST THE CHAPTER WITH AT LEAST THE CHAPTE WITH AT LEAST THE CHAPTE WILL BE PRINCED WITH AT LEAST THE CHAPTE WILL BE LEAST BETWEEN BY ARCHITECT PRESS TO COMMENCEMENT OF THE WORK. THE CONSTRUCTION STE SHALL BE MANYAND REASONABLY NEAT AND THE FROM EXCESSIVE ACCUMULATION OF TRANSI AND DEBRES.

 ALL THASH, DEBRES, REPORTED AND REPROMPLY RELIEVED FROM STE AND DISPOSED OF IN A LEGAL MANNEY.
- ALL EXTERIOR CONCRETE AND MASOURY TO RECEIVE ACRYLIC LATEX PAINT BY MANUFACTURER, COLORS WILL BE DETERMINED BY ARCHITECT PRIOR TO COMMENCIONENT OF THE WORK. ALL INTERIOR WALLS TO RECEIVE VAINT, ACRYLIC LATEX PAINT COLORS WILL BE DETERMINED BY ARCHITECT PRIOR TO COMMENCEMENT OF THE WORK. drinking fountain double demolish/demolition detail
- fresh oir intake furnished by others floor drain free extinguisher finished floor line full height finished floor floor

property line plaster pressure treated

overall
on center
outside diameter
overhead
opposite

o blove counter

conditioning

conditioning erama pelling height circle center line ceiling clean out bench mark by others bottom of beam cabinet catch basin

riser
radius
reference
relocated
revision (s)
right of way
room

- 우호 소교교 추井부족부유무유 성용당당중 8€
- Žzžš.

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telephone
thick/thickness
trimmed opening
top of wall
typical

ceramic tile cold water

- MAN WEED WAS NOT WELL WAS NOT WEIGHT WAS NOT WAS NOT WEIGHT WAS NOT WAS NOT WAS NOT WEIGHT WAS NOT WA
- meter (s)
 I maintenance
 masonry
 mosimum
 mechanical
 mendracturer
 manhole
 minimum
 miscellaneous
 masonry opening
 mountad
 moterial
- natural nominal nat to scale not included in a

 - west
 width
 water closet
 wood
 wall hung
 window
 without

contract

ਰਂ

- £≦£ vertical v-laint (ed) verify in field
- UNF unfinished UR uring U.O.N. unless otherwise noted
- INTERIOR ELEVATION ROOM NUMBER/FINISH CODE

ARCHITECTURAL SYMBOLS:

NEW STRUCTURAL WALLS AXIS UNES CHANCE IN FLOOR FINISH CHANGE IN FLOOR ELEVATION NEW CYPSUM BOARD WALL THICKNESS AS PER CONSTRUCTION PLAN. NEW CONCRETE BLOCK WALL THICKNESS AS PER CONSTRUCTION PLAN. MAIN FLOOR ELEVATION

SLOPE

THE STATE OF THE S

ARCHITECTURE PSC

ABACUS

partland cement plaster s steel

0 NOTES/REFERENCE

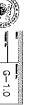
REFERENCE SYMBOLS: BS. BUILDING SECTION HALPHOODS TWANTER SO MILLER

ELEV. EXTERIOR ELEVATIONS W.S. WALL SECTION
MET WORL FUND DETAIL

DETAIL

DETAIL

HANDINGE DOORS COOM TIME

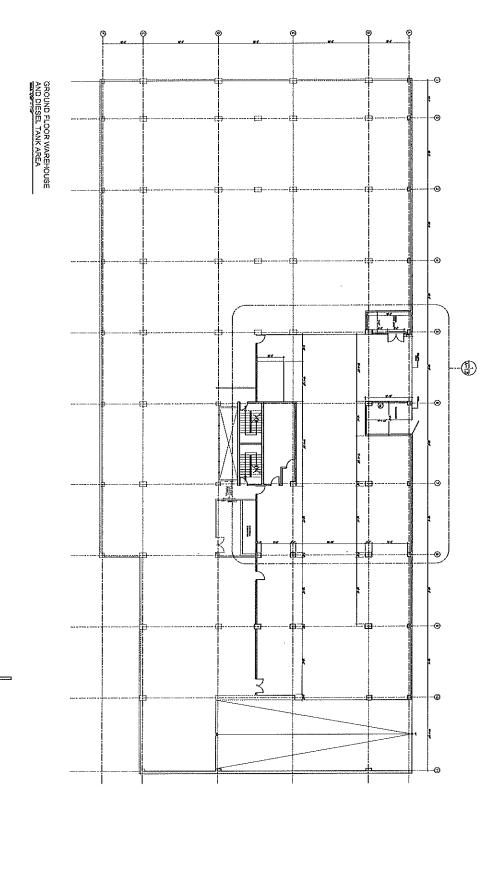


GENERAL NOTES

PD 80X 362192 SAN JUAN P.A. 00936 TEL 17871 772-4231, FX. (787) 977-7987 WWW. ABACUSARTO, COM

NEW IMPROVEMENTS ACAA BUILDING 255-273 AVENIDA DE LA CONSTITUCION

SAN JUAN, PUERTO RICO



KEYPLAN

GROUND FLOOR

FIRST FLOOR PART 1

SECOND FLOOR PART 1

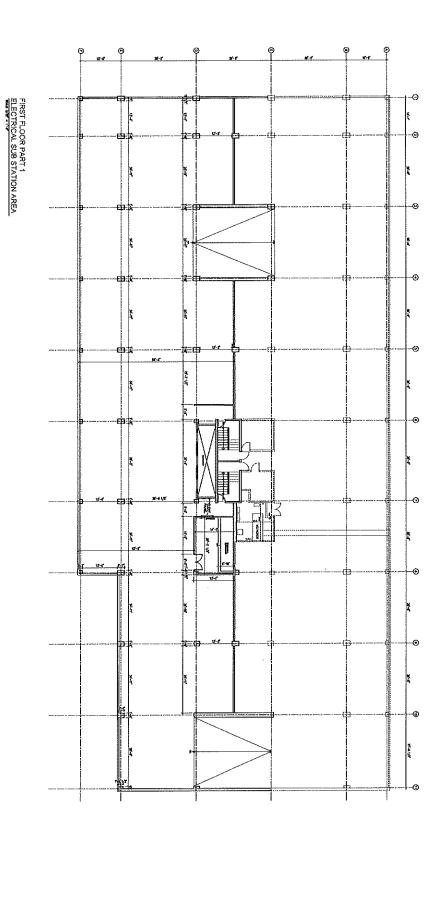
7 30 32197; SM JUM F. 1009;
TIL 1781 76(4)1; RJ 178197779
WWW. A BACUSA RQ. CCC

MARCH PLOSE AREA
WAREHOUSE AREA

NEW IMPROVEMENTS ACAA BUILDING 255-273 AVENIDA DE LA CONSTITUCION SAN JUAN, PUERTO RICO



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KEYPLAN

GROUND FLOOR

FIRST FLOOR PART 1

SECOND FLOOR PART 1

SUB STATION AREA

SUB STATION AREA

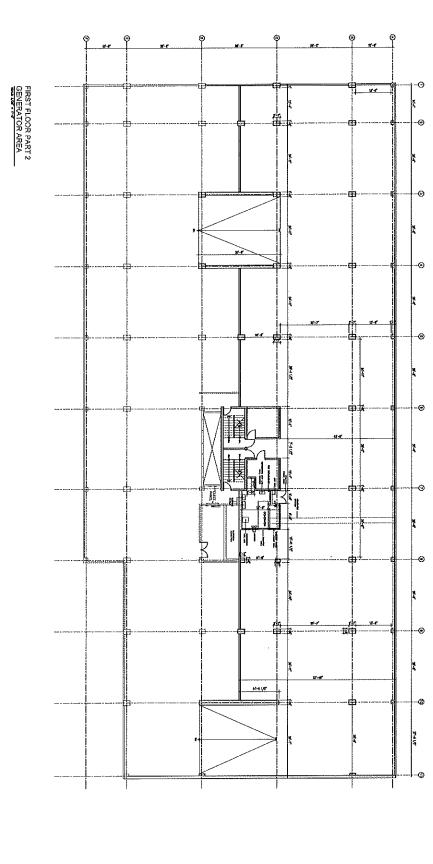
SUB STATION AREA

AB-1.1

PIST FLOOR PART 1
ELETRICAL
SUB STATION AREA









KEYPLAN

GROUND FLOOR

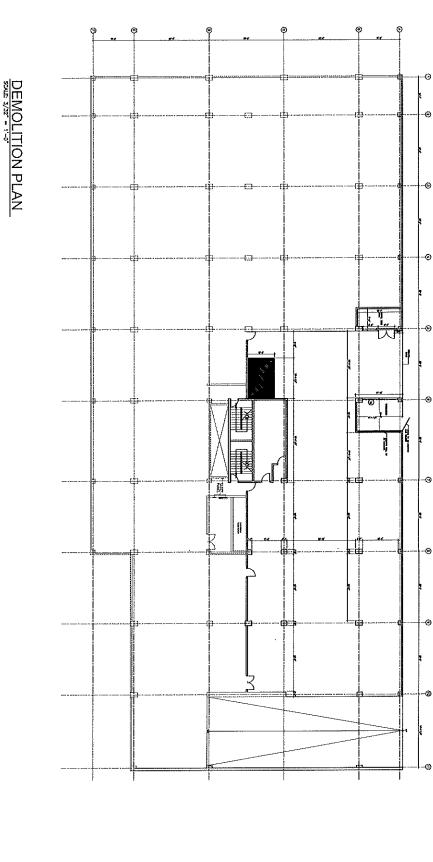
SECOND FLOOR PART 1

V22**** AB-1.2











KEYPLAN

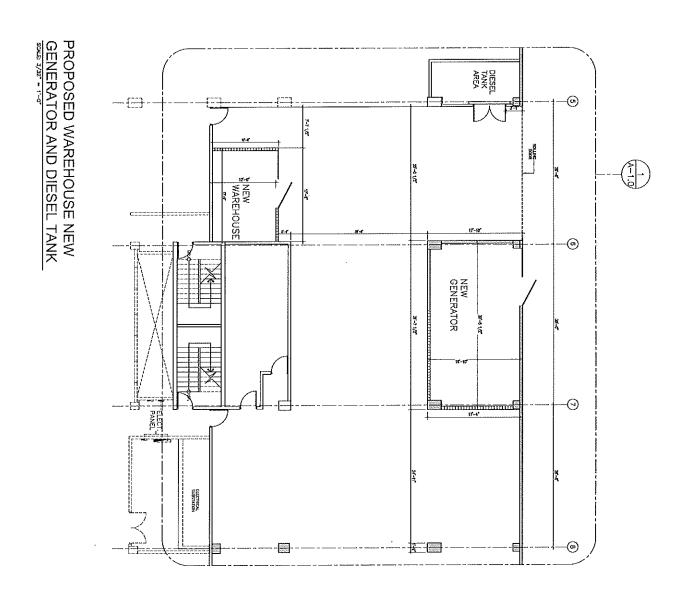
GROUND FLOOR

FIRST FLOOR PART 1 SECOND FLOOR PART 1



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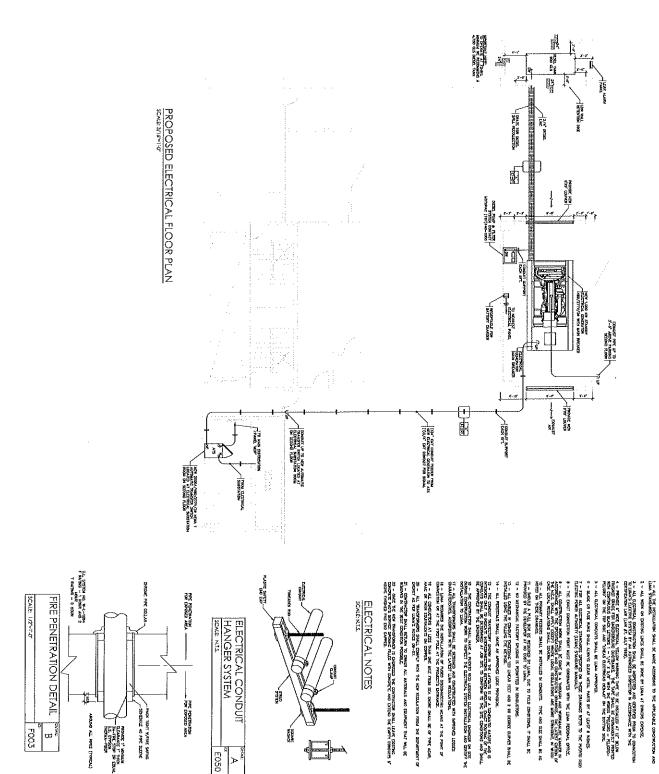
















NEW IMPROVEMENTS ACAA BUILDING 255-273 AVENIDA DE LA CONSTITUCION SAN JUAN, PUERTO RICO





abacus

- UNLESS OTHERWISE INDICATED ALL CONDUCTORS SHALL BE
- PROVIDE GROUND CONDUCTOR IN ALL THE CONDUITS.
- PROVIDE #12-AWG GREEN JUMPER BETWEEN RECEPTACLE GROUNDING SCREW AND OUTLET BOX GROUNDING SCREW.
- ALL UNDERGROUND CONDUIT COUPLING SHALL BE WATERTIGHT.
- PROVIDE AN EXPANSION JOINT COUPLING OF THE REQUIRED TYPE AND SIZE WHENEVER A CONDUIT CROSSES AN EXPANSION JOINT.
- PROVIDE PLASTIC CONDUIT DIVIDERS IN ALL UNDERGROUND CONDUIT RUNS. MAXIMUM DISTANCE BETWEEN DIVIDERS TO BE $4^{\circ}-0^{\circ}$.
- CONTRACTOR MUST MAKE SURE THAT THE ENTIRE ELECTRICAL SYSTEM HAS GROUND CONTINUITY.
- ALL THE ELECTRICAL INSTALLATION SHALL BE DONE IN A NEXT & WORKMANUER MANNER, ACCORDING TO THE LAST ENTING OF THE MAINONAL ELECTRICAL CODE. THE PUERTO RICO ELECTRICAL MUTHORITY LATEST STANDARD & THE PUERTO RICO TELEPHONE CO. LATEST PRACTICES.
- THE CONTRACTOR SHALL YEIT THE UPB STE AND BECOME ACQUAINTED WITH THE EXSTRING FROM CONDITIONS. IT SHALL BE THE DIRECT RESPONSIBILITY OF THE CONTRACTOR TO BRING PROMPTLY TO THE ATTRITOR OF THE DIRECT RESPONSIBILITY OF THE CONTRACTOR SUBJECT RESPONSIBILITY OF THE CONTRACTOR SUBJECT RESPONSIBILITY OF THE CONTRACTOR WILL BE HAD A SERVICE AND PURPOSES. THIS SHALL BE DONE RECORDED WITH THE DIRECT CAN RECORDED WITH THE CONTRACTOR WILL BE HAD A SERVICE AND THE CONTRACTOR WILL BE HAD A SERVICE OF THE WORK INCLUDED IN HIS BID ALL HIS THAN IT CONTRACTOR HAD SHAD THE CONTRACTOR HAS BEEN AND THE CONTRACTOR HAD SHAD THE CONTRACTOR HAD SHAD THE CONTRACTOR HAD SHAD THE CONTRACTOR HAD SHAD THE CONTRACTOR WILL BE THE THE SHAD A SERVICE AND THE SHAD SHAD THE CONTRACTOR HAD SHAD THE CONTRACTOR AND THE SHAD SHAD THE CONTRACTOR HAD SHAD THE CONTRACTOR AND THE SHAD SHAD THE CONTRACTOR HAD SHAD THE CONTRACTOR AND THE SHAD SHAD THE CONTRACTOR WILL BE FERNITED ON THE SANTER A FOREX HE BEST OFFICE AND THE SHAD SHAD THE CONTRACTOR AND THE SHAD SHAD THE SHAD THE SHAD THE SHAD SHAD THE SHAD THE SHAD THE SHAD THE SHAD SHAD THE SHAD SHAD THE SHAD THE SHAD THE SHAD THE SHAD THE SHAD SHAD THE SHAD
- 10. UNLESS OTHERWISE INDICATED ALL OUTLETS SHALL BE FLUSH MOUNTED AN SHALL HAVE THEIR OWN INDEPODENT OUTLET BOXES. MINIMUM SIZE OF OUTLET BOX TO BE 4* SOUAKE &1 1/2" DEEP. EAXOF SIZE OF OUTLET BOX SHALL BE DETERMINED ACCORDING TO THE MAXIMUM NUMBER OF CONDUCTORS IN THE BOX PER N.E.C. ARTICLE 370-SECTION 6.
- 11. ALL INDICATED HEIGHTS ARE FROM CENTER OF BOX TO FINISHED FLOOR.
- 12. ROUTE OF CONDUITS SHOWN IN THE LAYOUT IS SCHEMATIC AND INTENDED ONLY TO INDICATE INTENDENCINGS BETWEEN OUTLETS, EACH CONDUIT ROUTING STALL BE DETENMEND AT THE JOB SITE TO CONFORM WITH THE STRUCTURAL, CONDITIONS AND SHALL BE SUBJECT TO THE FINAL APPROVAL OF THE ARCHITECT/ENGINNER.
- 13. LEAVE A #12-AWG-TW FISHWIRE IN ALL EMPTY CONDUITS.
- 14. ALL PANELBOARDS AND LOAD CENTERS SHALL BE PROVIDED WITH A FACTORY INSTALLED GROUND BUTS OFF CONNECTING TO GROUND DALT. THE GROUND WITS OF CABLES INTERING OF LEAVING THE PANELBOARD. THE GROUND BUS SHALL BE SIMILAR IN SIZE AND CHARACTERISTICS TO THE NEUTRAL BUS. ALL PANELBOARDS SHALL HAVE A MONOFLAT FRONT AND KET LOCK.
- 15. WHEN THIS OR MORE WRING DEVICES ARE SHOWN TOGETHER IN ADJACENT POSITIONS AND AT THE SAME HEIGHT, THEY SHALL BE INSTALLED IN A MULTIPLE CANG COTLET BOX OF THE PROPER STAZE SO THAT ONLY ONE RABED COXER PLATE OF THE REQUIRED TYPE AND SIZE ARE USED, 120V AND 277V OUTLET MUST BE INSTALLED ON SEPARATE BOXES.
- UNLESS OTHERWISE NOICATED, ALL WRING DEVICES SHALL BE WHITE COLORED WITH 302 STANLESS STEEL COVER PLATES EXCEPT THE WEATHERPROOF OUTLET'S WHICH SHALL HAVE THEIR STANDARD GRAY COVER PLATES.
- . WHEN TWO OR MORE PANELBOARDS OR CABINETS ARE SHOWN TOGETHER IN ADJACENT LOCATIONS, THE TOP OF ALL PANELBOARDS OR CABINETS SHALL BE ALICNED WITH THE TOP OF THE BIGGEST ONE SO THAT ALL THE TOPS ARE AT EXACILY THE SAME HEIGHT FROM THE FINISHED FLOOR.
- 18. IN CONDUITS RUNS, THE NUMBER OF ARROWS INDICATE THE NUMBER OF CIRCUITS IN THE CONDUIT (ONE POLE IN THE PARELBOARD PER EACH CIRCUIT), THE NUMBER OF CUNCUITORS IN THE CONDUIT, THE LINGER FLINE BEING NEUTRAL CONDUICTOR AND "/" BEING THE GROUND CONDUICTOR.
- 19. IT SHALL BE RESPONSABILITY OF THE CONTRACTOR TO YEARY THE VICTAGE BEFORE ORDERING AT THE SITE WITH THE UTILLY COMPANY AT THE TIME OF INSTALLATION BEFORE ORDERING ANY PRIMARY EQUIPMENT.
- 20. ALL WRING DEVICES SHALL BE SPECIFICATION GRADE

ECTRICAL NOTES

NEW IMPROVEMENT ACAA BUILDING

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ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE.

- 21. ALL THE SELF-STANDING AND SUPPACE MOUNTED ELECTRICAL EQUIPMENT AS WELL AS THE MUNINERS SHALL BE BRACED FOR SESSION CROSS ADDRESS TO ALL THE CONDUCT ANNUAL SUPPLIES TO ALL THE CONDUCT STORMS. THE SAME APPLIES TO ALL THE CONDUCT SWEEK THE CENTURY SHALL BE MODIFIED AS REQUIRED TO FIT THE ELECTRICAL NOTALLATION OF THE PROJECT.
- 22. FOR FINAL LOCATION OF MECHANICAL EQUIPMENT SEE CORRESSONDING MECHANICAL AND ARCH, DRAMMOS, CONTRACTOR TO RELOCATE ELECTRICAL ROUGH—IN ACCORDINGLY AT NO ADDITIONAL COST TO OWNER.
- 23. CONDUITS WORK:

B. ALL CONDUITS INSTALLED EMBEDED IN FLOOR SLABS WHICH ARE IN DIRECT CONTACT WITH THE EARTH SHALL BE PVC SCH 40. A. ALL CONDUITS INSTALLED UNDERGROUND SHALL BE PVC SHC 40.

C. ALL CONDUITS INSTALLED EMBEDED IN WALLS, CEILING SLABS AND IN FLOOR SLABS WHICH ARE NOT IN DIRECT CONTACT WITH THE EARTH SHALL BE EMT.

D. ALL CONDUITS INSTALLED IN THE AREA BETWEEN HUNG CEILINGS AND CEILING SLABS OR METAL DECKS SHALL BE EMT.

F. FINAL CONNECTIONS TO ALL MOTORS AND ELECTRICAL EQUIPMENT SHALL BE DONE WITH LIQUIDITHIGHT FLEXIBLE METALLIC CONDUIT. E. ALL CONDUITS INSTALLED EXPOSED IN INDOOR AREAS SHALL BE EMT OR RMC (IF HAS HIGH PROBABILITY OF PHYSICAL DAMAGE).

ALL WIRES AND CABLES SHALL BE #12-AWC, EXCEPT WHEN OTHERWISE INDICATED IN THE DRAWNINGS OR AS INDICATED BELOW FOR 20 AMPS, CKT. WIRE SIZING,

\$ ALL 20 AMP. 120VOLT CIRCUIT RING SHALL BE AS FOLLOWS:
5 TO 1001 IN LENGTH, #10-AWC.
200 TO 2001 IN LENGTH, #0-AWC.
300 TO 400 IN LENGTH, #0-AWC.
300 TO 400 IN LENGTH, #0-AWC.

ALL 20 AMP, 277VOLT GRICUIT RUNS SHALL BE AS FOLLOWS: 5 'TO 200' IN LENGTH, #12-AWG. 200' TO 350' IN LENGTH, #30-AWG. 350' TO 500' IN LENGTH, #8-AWG.

ALL PHASES, NEUTRAL, GROUNDING AND CONTROL CONDUCTORS SHALL BE CONSISTENTLY DENTIFIED THROUGHOUT THE CONDUIT SYSTEM,

25.

ELECTRICAL NOTES CONT.

- THE STAND-BY GENERATOR MILL BE FURNISHED BY CONTRACTOR MTH A FUEL (DIESEL) TANK AUTOMATIC TRANSFER SMITCH, BATTERY, AUTOMATIC BATTERY CHARGER, REMOTE AUNUNCATOR PANEL DIESEL PUMP FOR EXTERNAL TANK AND ALL REQUIRED ACCESSORIES FOR NORMAL OPERATION.
- THE OWNER WILL ACCEPT SIMILAR TO CATERPILLAR, ONAN, RK POWER OR SIMDO BRAND GENERATOR.
- THE STAND-BY GENERATOR SHALL BE RATED AS FOLLOWS: AT LEAST 1,000KW/1,250KVA AT 0.8 P.F. 3 PHASE 4 WRES. 277/480 VOLTS. 60 HZ., 1800 R.P.M
- THE UNIT IS TO INCLUDE THE FOLLOWING EQUIPMENT AND ACCESSORIES:
- A. WATER-COOLED RADIATOR.

B. ONE (1) UNDER UNIT (ABOVE GROUND). DOUBLE WALL FUEL (DESEL)
RESERVOIR TANK WITH CAPACITY FOR CONTINUOUS OPERATION FOR 60 HOURS
(APROX. 4,500 GALS.), ALL FUEL SUPPLY, RETURN AND VENTILATION UNES AND
EQUIPMENT.

C. RE-USE EXSTNO 1,000 GALS, DIESEL TANK FOR APPROXIMATELY 12 HOURS UNDERUNIT AND EXTERNAL TANK SHALL PROVIDE CONTINUES OPERATION FOR AT LEAST 72 HOURS IN TOTAL

D. TWO 24 VOLTS, HEAVY DUTY NICKEL CADMIUM BATTERY WITH RACK & CABLES.

- E. EXHAUST CRITICAL TYPE MUFFLER WITH STEEL CONNECTIONS AND FITTINGS. INCLUDE FLEXIBLE SECTION AND RAIN CAP FOR EXHAUST.
- DUCTED, BAFFLED, LOUVERED AND SCREENED HOT AIR DISCHARGE.
- H. PUMPS AND FILTERS AS REQUIRED.

VIBRATION ISOLATORS.

- I. RELAYS AND CONTACTORS AS REQUIRED TRANSFER SWITCH. FOR REMOTE CONTROL FROM
- J. R.P.M. METER.

- K. INSTRUMENTS CONTROL PANEL INCLUDING THE FOLLOWING:

 o) VOLTMETER AND SELECTIOR SWITCH.
 b) AMACTER AND SELECTIOR SWITCH.
 c) FILLD DIRCULT RESACER.
 d) VOLTAGE REGULATIOR AND 2 POSITION SWITCH (OFF AND AUTOMATIC).
 d) WATER TEMPERATURE GAUGE.
 f) OUR PERSSURE GAUGE.
 g) AUTOMATIC SHUTDOWN DEVICE WIT INDICATOR LIGHTS FOR:
 (1) OVER GANANICH PROTECTION.
 (2) HIGH WATER TEMPERATURE.
 (3) LOW OIL PRESSURE.
 (4) LOW FUEL DIESEL TANK.

- L AUTOMATIC TRANSFER SMITCH RATED 2,000 AMPS., 480 VOLTS A.C., 3 PHASE, 4 WRESS, 60 HZ. TRANSFER SMITCH, N A NEMA 7X ENCLOSURE WITH THE FOLLOWIG ACCESSORIES.

 O) SELECTOR SWITCH WITH OFFT-AUTOMATIC CHECK POSTITIONS.

 O) MELECALY TO START THE ENGINE ADJUSTABLE 0-15 SECONDS.

 FOR 1/16 TO 100 SECONDS.

 O) MINUTES, THE EDLAY TO STOP ADJUSTABLE 0-15 SECONDS TO 10 MINUTES, THE EDLAY ON RESTORATION TO STOP ADJUSTABLE 0-15 SECONDS.

 O) CLOCK EXERCISES TO START THE GENERAL LINE 30 SECONDS TO 10 MINUTES, THE EDLAY ON SETOMATICALLY.

 O) CLOCK EXERCISES TO START THE GENERAL EVERY MEEK AND RIM THE GENERATOR SET FOR HALF (1/2) HOUR AND THEN, STOP THE GENERATOR SET AUTOMATICALLY.

 O) ALL OTHER ACCESSORIES REQUIRED FOR NORMAL OPERATION.

 1) MANUAL INTERRUPTER FOR NORMAL TO EMERGENCY AND FOR EMERGENCY TO NORMAL
- CONTRACTOR SHALL COORDINATE TIME DELAY SO THE NEW GENERATOR START'S FIRST AND IN CASE OF FAILURE TO START THE EXISTING 250KW/312.5KVA GENERATOR START'S AS BACK—UP SYSTEM.
- SIZE OF GENERATIOR WAS PROVIDED BY OWNER, CONTRACTOR SHALL VALIDATE THAT THE SIZE IS APPROPRIATE FOR THE BUILDING. 1,000KW GENERATIOR REPRESENTS 83% OF SUBSTATION SIZE, PLAN ACCORDINGLY.

LECTRICAL GENERATOR NOTES

Tel.787-221-3255	PMB II 518 405 AVE. ESMERALDA GUAYNABO, PUEETO RICO, 00969	
DRAWN BY: IP		ELECTRICAL NOTES
CHECKED BY:		
SHEET NO.	JUN/14/2022	
PROJECT No.	AS SHOWN	
		DRAWING No.

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