

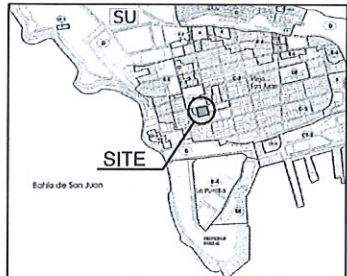
SOIL CLASSIFICATION MAP

SCALE: 1:27,000
 CLASSIFICATION: RU,VIAL
 MUNICIPALITY: SAN JUAN
 VALIDITY: 30 DE NOVIEMBRE DE 2015



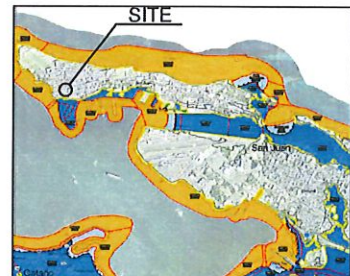
LOCATION MAP

SCALE: 1:20,000
 Coordinates NAD83: Lat: 18.46510865, Lon: -66.11732587
 X = 233,376.0185
 Y = 280,056.0263



ZONING MAP

ZONING MAP, SAN JUAN AUTONOMOUS MUNICIPALITY
 SCALE: 1:27,000
 PLANO ORDENACION TERRITORIAL
 MUNICIPALITY: SAN JUAN
 ZONING: D HOJA: 2A
 VALIDITY: 2 DE MARZO DE 2014



FLOOD MAP

SCALE 1:10,000
 PANEL: 0355J
 MAP NUMBER: 72000C0355J
 MAP REVISED: 25 DE MAYO DE 2018
 ZONE: X

CONSTRUCTION DRAWINGS FOR REAL INTENDENCIA EMERGENCY GENERATOR DEPARTMENT OF STATE BUILDING SAN JOSE ST. CORNER WITH SAN FRANCISCO ST, SAN JUAN, PUERTO RICO



Digitally signed by
 Horacio Enrique
 Diaz Corvalan
 Date: 2022.01.27
 11:27:08 -04'00'

SHEET SCHEDULE:

NO.	DESCRIPTION	DATE
TS-1	TITLE SHEET	1 OF 7
TEB-1.0	ELECTRICAL TITLE SHEET	2 OF 7
EEB-1.0	EXISTING ELECTRICAL SITE PLAN ROOF PLAN	3 OF 7
PEB-2.0	PROPOSED ELECTRICAL SITE PLAN ROOF PLAN	4 OF 7
ED-3.0	ELECTRICAL DETAILS	5 OF 7
ST-1.0	GENERATOR & ATS STRUCTURAL BASE DETAILS	6 OF 7
ST-2.0	GENERAL STRUCTURAL NOTES	7 OF 7

PROJECT NO.: 2022 02

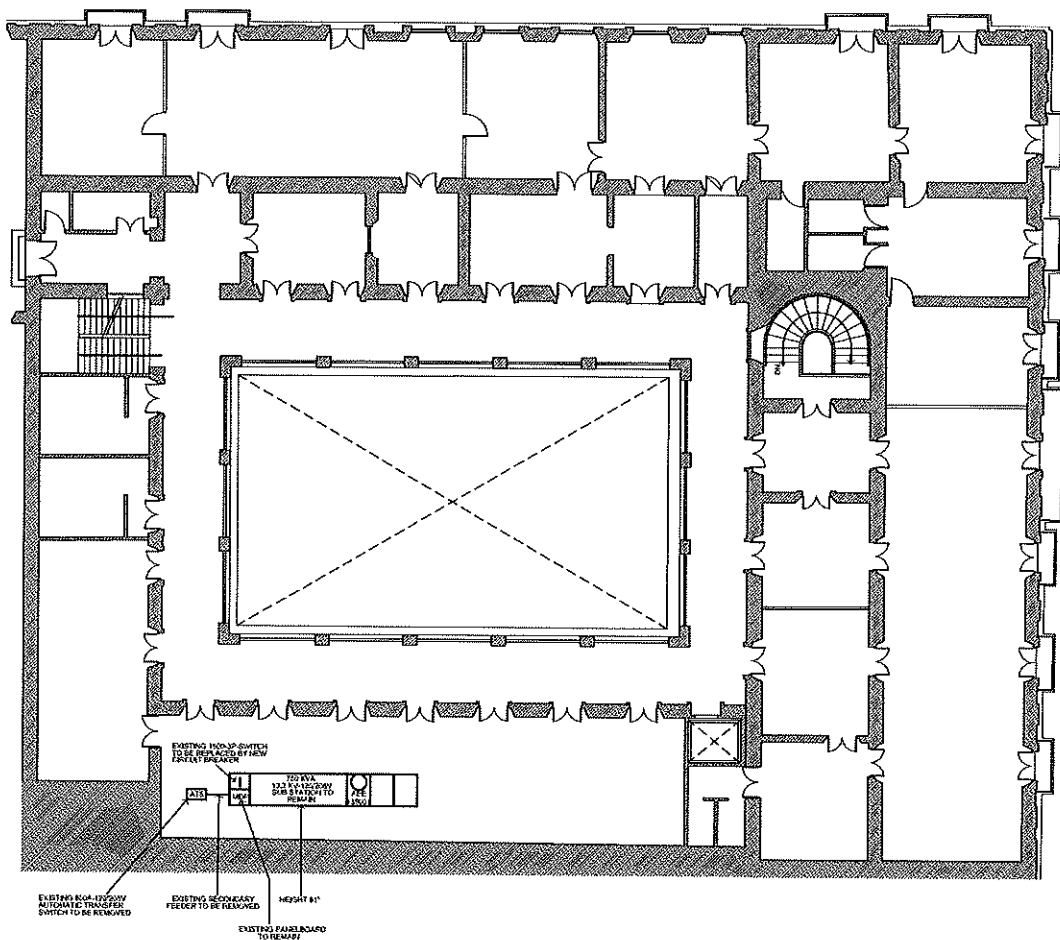
HDC HORACIO DIAZ & ASSOCIATES PSC
 CONSULTING ENGINEERS
 6 LINDA COSTA VASQUEZ
 HANAUCA, PUERTO RICO 00718-0005
 TEL: (787) 353-8200
 E-MAIL: horacio@hdcpr.com



REVISIONS	DATE	BY
	01/27/2022	ASB/SHC/WHM

DESIGNED BY:	CARLOS J. MERCADERO LIC. 14441, 9787	DRAWN BY:	ASB/SHC/WHM

SAN FRANCISCO STREET



EXISTING ELECTRICAL SITE PLAN (ROOF PLAN)
SCALE: 1/4" = 1'-0"

SAN JOSE STREET



HORACIO DIAZ & ASSOCIATES P.E.C.
CONSULTING ENGINEERS
6101 COSTA VERDE
RUMACAO, PUERTO RICO 00754-0095
TEL: (787) 568-5200
E-MAIL: hrdiaz@hdcpr.com



HORACIO DIAZ COVALIN
INGENIERO EN ELECTRICIDAD
LIC. # 13114
PUERTO RICO

EXISTING ELECTRICAL SITE PLAN (ROOF PLAN)

1/4" = 1'-0" (1/4" = 1'-0")

SAN JOSE ST. CORNER WITH SAN FRANCISCO ST. SAN JUAN, Puerto Rico

CONSTRUCTION PLANS FOR REAL INGENIERIA EMERGENCY GENERATOR

HORACIO DIAZ & ASOCIADOS DEL P.R.

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REVISIONS / REVISIONES

NO.	DESCRIPTION	DATE

DATE: 02/22/2022
BY: H. DIAZ
CHECKED BY: H. DIAZ
DATE: 02/22/2022
BY: H. DIAZ

2022 02

3 OF 7

ES-1.0

DESIGNER'S CERTIFICATION

I, the undersigned, being a duly licensed Professional Engineer in the State of Puerto Rico, do hereby certify that I am the author of the design and drawings hereon, and that I am a duly licensed Professional Engineer in the State of Puerto Rico.

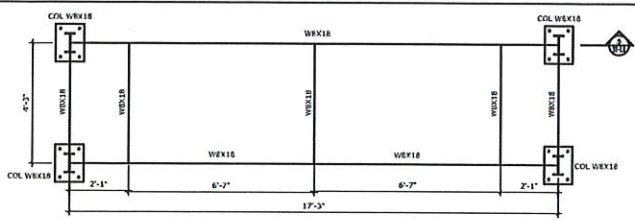
DESIGNER'S SIGNATURE:
HORACIO DIAZ COVALIN
INGENIERO EN ELECTRICIDAD
LIC. # 13114

PROFESSIONAL SEAL:
DEPARTAMENTO DE ESTADO
REALISTENENCIA
PROF. HORACIO DIAZ COVALIN
LIC. # 13114

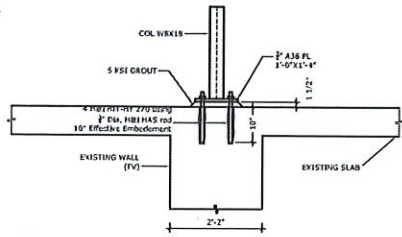
REVISION	DATE	BY
1		
2		
3		
4		

I, the undersigned, being a duly licensed Professional Engineer in the State of Puerto Rico, do hereby certify that I am the author of the design and drawings hereon, and that I am a duly licensed Professional Engineer in the State of Puerto Rico.

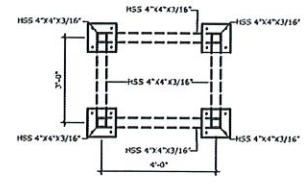
EF EDUARDO TARAFAHICIANO
INGENIERO EN ELECTRICIDAD
LIC. # 13114
E-MAIL: eduardo@hdcpr.com
TEL: (787) 568-5200



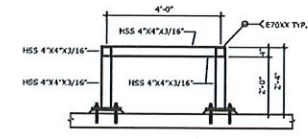
1 Generator Base Plan View
ST-1.0 SCALE: 1/2"=1'-0"



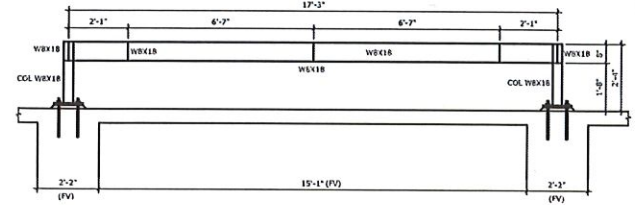
5 Anchor Base Detail
ST-1.0 SCALE: 3/4"=1'-0"



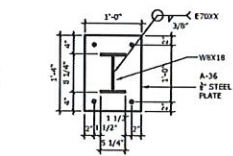
10 ATS Base Plan View
ST-1.0 SCALE: 1/2"=1'-0"



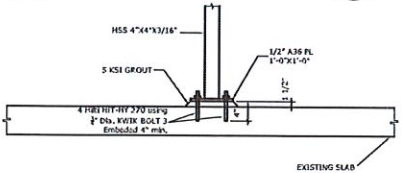
11 ATS Base Side Elevation View
ST-1.0 SCALE: 1/2"=1'-0"



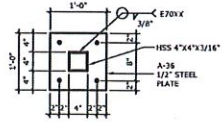
2 Generator Base Side Elevation View
ST-1.0 SCALE: 1/2"=1'-0"



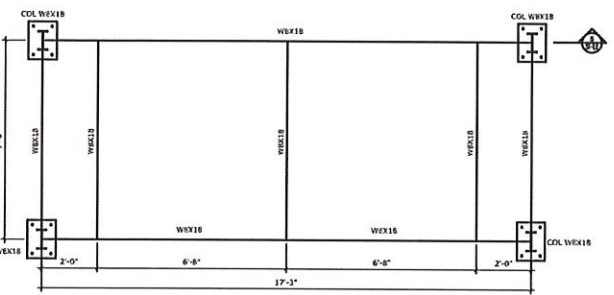
6 Base Plate Detail
ST-1.0 SCALE: 1"=1'-0"



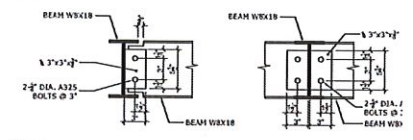
12 ATS Anchor Base Detail
ST-1.0 SCALE: 3/4"=1'-0"



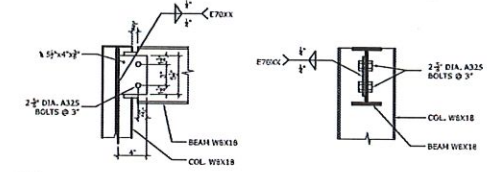
13 ATS Base Plate Detail
ST-1.0 SCALE: 1"=1'-0"



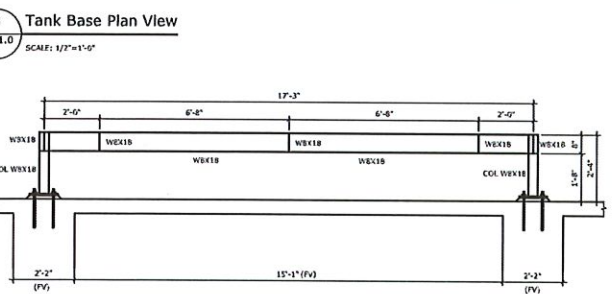
3 Tank Base Plan View
ST-1.0 SCALE: 1/2"=1'-0"



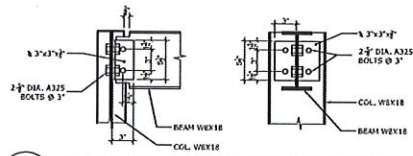
7 WBX18 TO WBX18 BEAM CONNECTION DETAIL
ST-1.0 SCALE: 1-1/2"=1'-0"



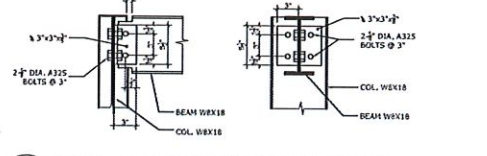
14 WBX3 TO WBX3 BEAM CONNECTION DETAIL
ST-1.0 SCALE: 1-1/2"=1'-0"



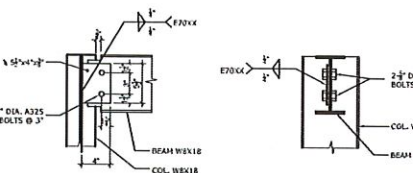
4 Tank Base Side Elevation View
ST-1.0 SCALE: 1/2"=1'-0"



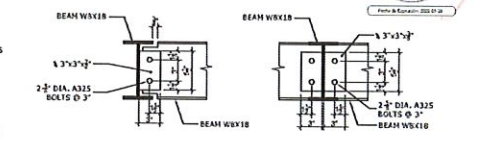
8 WBX18 TO COLUMN WEB CONNECTION DETAIL
ST-1.0 SCALE: 1-1/2"=1'-0"



15 WBX3 TO COLUMN WEB CONNECTION DETAIL
ST-1.0 SCALE: 1-1/2"=1'-0"



9 WBX18 TO COLUMN FLANGE CONNECTION DETAIL
ST-1.0 SCALE: 1-1/2"=1'-0"



16 WBX3 TO COLUMN FLANGE CONNECTION DETAIL
ST-1.0 SCALE: 1-1/2"=1'-0"



Digitally signed by
Horacio Enrique Diaz
Corvalan
Date: 2022.01.27
11:27:43 -04'00'

HDC
HORACIO DIAZ & ASSOCIATES PBC
CONSULTING ENGINEERS
6 LINCOLN COSTA VERDE
HIMACAO, PUERTO RICO 00724-6036
TEL: (787) 593-8820
EMAIL: hrc@hdcpr.com

INGENIERO
LICENCIADO
ISC # 13114
PUERTO RICO

PROJECT NAME | TITULO DE LA HOJA
GENERATOR & ATS STRUCTURAL BASE DETAILS

SAN JOSE ST.
CORNER WITH
SAN FRANCISCO ST.
SAN JUAN,
Puerto Rico

CONSTRUCTION
PLANS FOR
REAL
INTENDENCIA
EMERGENCY
GENERATOR

PROJECT NAME | TITULO DE LA HOJA
GENERATOR & ATS STRUCTURAL BASE DETAILS

REVISIONS (REVISIONES)

NO.	DESCRIPTION	DATE

DATE: 2022.01.27
11:27:43 -04'00'

PROJECT NO. | NUM. PROYECTO
2022 02

SHEET NO. | NUM. DE HOJA
6 OF 7

DATE: 2022.01.27
11:27:43 -04'00'

ST-1.0



Digitally signed by
 Horacio Enrique
 Diaz Corvalan
 Date: 2022.01.27
 11:28:11 -04'00'

Fecha de Expiración: 2022-01-29



HORACIO DIAZ & ASSOCIATES PBC
 CONSULTING ENGINEERS
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 HAMAHA PUERTO RICO 0094-0096
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 E-MAIL: horaco@hdcpr.com



HORACIO DIAZ CORVALAN
 INGENIERO
 LICENCIADO
 LC # 13414
 PUERTO RICO

GENERAL STRUCTURAL NOTES

- CODES:
 ALL WORK SHALL CONFORM TO THE PUERTO RICO CODE, RPA SECTION, AND ALL ITS AMENDMENTS TO DATE.
- DESIGN LOADS:
 A. LINDO 20 PSF
 FLOOR DEAD LOAD 150 PSF
 GENERATOR DEAD LOAD 3214 LBS
 B. WIND LOADS, IN ACCORDANCE WITH ASCE 7-16 WITH CATEGORY K; 165 MPH WIND SPEED EXPOSURE C.
 C. EARTHQUAKE LOADS, IN ACCORDANCE WITH ASCE 7-16 SITE CLASS D, IMPORTANCE FACTOR I=1.5, SOH=472A.
- ELEVATION DATA
 ALL ELEVATIONS ON THESE STRUCTURAL DRAWINGS REFER TO TOP OF FINISH FLOOR AT 0'0".
- COORDINATES AND COORDINATES:
 A. ALL DIMENSIONS AND COORDINATES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE IMMEDIATE ATTENTION OF THE ARCHITECT, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE. SCALE IS FOR GUIDELINE PURPOSES ONLY. IF DIMENSIONS ARE UNCLEAR, DO NOT SCALE. REQUEST CLARIFICATION FROM THE ARCHITECT OR ENGINEER.
 B. SEE ARCHITECTURAL PLANS FOR ALL ELEVATIONS AND DIVISIONS NOT SHOWN.
- METHODS & SAFETY:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL METHODOLOGIES, PROCEDURES, AND SEQUENCES OF CONSTRUCTION. RESPONSIBILITY FOR THE CONTRACTOR'S TEMPORARY BRACING AND SHORING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THE STRUCTURAL WORK WITH THE WORK OF ALL OTHER TRADES.
- PROTECTION OF EXISTING CONSTRUCTION:
 ELEMENTS OF EXISTING WORK TO REMAIN SHALL NOT BE DAMAGED. CONTRACTOR SHALL LOCATE AND PROTECT CONCEALED PIPES AND CONDUITS PRIOR TO EXCAVATION AND EVALUATION AND TAKE APPROPRIATE ACTION TO PROTECT THEM AND TO PROVIDE FOR SAFETY.
- CONSTRUCTION METHODS:
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EMPLOY THE NECESSARY PROFESSIONAL SERVICES TO DETERMINE THE NECESSARY METHODS AND SUPPORTS REQUIREMENTS FOR BRACING AND CONSTRUCTION LOADS.
- CONFLICTS IN DOCUMENTS:
 IF CONFLICTS OCCUR FOR BETWEEN ARCHITECTURAL AND ENGINEER'S DOCUMENTS, BETWEEN DOCUMENTS AND FIELD CONDITIONS OR OTHERWISE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND DETECTION BEFORE PROCEEDING. THE CONTRACTOR SHALL COORDINATE ALL DIMENSIONS BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
- CONSTRUCTION OBSERVATION:
 THE CONTRACTOR SHALL OBTAIN APPROVAL INSPECTIONS OF ALL STRUCTURAL COMPONENTS AND REINFORCEMENT PRIOR TO CASTING FROM THE ARCHITECT AND REGISTERED ARCHITECT PRIOR TO CONTACTING WITH FOUR-DAY STRUCTURAL REVIEW NOT APPROVED BY BOTH WILL BE SUBJECT TO REMOVAL AND RECONSTRUCTION.
- SHOP DRAWINGS:
 A. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT COMPLETE SHOP DRAWINGS AS REQUIRED BY THESE NOTES.
 B. REVIEW AND APPROVAL OF SHOP DRAWINGS IS FOR THE DESIGN CONCEPT ONLY. THE CONTRACTOR SHALL CHECK AND APPROVE THE SHOP DRAWINGS FOR COMPLIANCE AND CORRECTNESS BEFORE SUBMITTING. APPROVAL BY THE ENGINEER OR ARCHITECT IS NOT FOR THE PURPOSE OF APPROVING CHANGES OR SUBSTITUTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS, QUANTITIES, JOB COORDINATION WITH ALL DOCUMENTS AND OTHER TRADES.
- STRUCTURAL STEEL:
 C. MATERIALS:
 1. HSB ASTM A572 GR 50.
 2. PIPE ASTM A53 GR B.
 3. W STEEL ASTM A588 ALL OTHER STRUCTURAL STEEL ASTM A36.
 4. ANCHOR BOLTS ASTM A307.
 5. ALL OTHER BOLTS ASTM A307.
 D. STANDARDS:
 6. AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS"; 160-16.
 7. ANSI D14.6-10 SERVES ELECTRODES.
- CONNECTIONS:
 C. CONNECTIONS ALL STRUCTURAL STEEL CONNECTIONS WHICH ARE NOT DETAILED ON THESE DRAWINGS SHALL BE DESIGNED AND SUBMITTED FOR APPROVAL, IN ACCORDANCE WITH THE AISC SHOP DRAWINGS.
 D. CONNECTIONS ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH PRIMER AND PAINT. PRIMER SHALL BE TOUCHED UP AFTER ERECTION. IF THE STEEL STRUCTURAL ELEMENTS WILL BE EXPOSED TO THE ATMOSPHERE OR ELEMENTS THAT MEMBERS SHALL RECEIVE A SECOND SHOP COAT WITH OPACANT OR ALPHAL FRANT OR OTHER APPROVED COATING COMPATIBLE WITH THE SHOP COAT.
 E. WELDERS SHALL BE AWS CERTIFIED.
- REQUIRED SUBMITTALS:
 D. STEEL FABRICATING SHOP DRAWINGS.
 E. CONNECTION SHOP DRAWINGS AND CALCULATIONS.

GENERAL STRUCTURAL NOTES

TEL: (787) 593-5500

**SAN JOSE ST.
 CORNER WITH
 FRANCISCO ST.
 SAN JUAN,
 Puerto Rico**

**CONSTRUCTION PLANS FOR
 REAL INTENDENCIA
 GENERATOR**

PROJECT NAME | SAN JOSE ST. PROJECT

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REVISIONS REVISIONES		
NO.	DESCRIPTION	DATE

BY: H. DIAZ CHECKED BY: H. DIAZ
 DATE: 01/27/2022 DATE: 01/27/2022
 PROJECT: SAN JOSE ST. PROJECT
 AS SHOWN

PROJECT NAME | SAN JOSE ST. PROJECT
2022.02
 SHEET NO. | SAN JOSE ST. PROJECT
7 Of 7
 DRAWING NO. | SAN JOSE ST. PROJECT

ST-2.0