

HIALEAH HOUSING AUTHORITY - NEW 275 KW EMERGENCY GENERATOR 70 EAST 7th STREET, HIALEAH FLORIDA 33010

Submittal Graphic Symbols Definitions	
NEW / REVISED	
RE-ISSUED WITHOUT REVISION	
PREVIOUSLY SUBMITTED	

PERMIT SET - 05.04.20	
REVISION 1 - 07.31.20	
REVISION 2 - 10.14.20	

INDEX OF DRAWINGS

ARCHITECTURAL	
COVER	COVER SHEET / INDEX OF DRAWINGS
A0.1	GENERAL NOTES
A1.0	SITE PLAN
A2.0	PROPOSED GENERATOR FLOOR PLAN & ELEVATIONS

STRUCTURE:

S1.0	STRUCTURAL GENERAL NOTES
S1.0	SITE PLAN, FLOOR PLAN & DETAILS

M.E.P.

E-1	ELECTRICAL SITE PLAN
E-2	ELECTRICAL RISER DIAGRAM
E-3	ELECTRICAL NOTES
E-4	GENERATOR MANUFACTURER'S SPECIFICATIONS
E-5	FPL INFORMATION
G-1	GAS SITE PLAN

ABBREVIATIONS

@	ANCHOR BOLT	INSUL.	INSULATION
A.B.	ACOUSTICAL	INT.	INTERIOR
ALT.	ALTERNATE	J.C.	JANITOR'S CLOSET
ALUM.	ALUMINUM	JT.	JOINT
ARCH.	ARCHITECTURAL	LAV.	LAVATORY
A.T.	ACOUSTICAL TILE	L.C.C.	LEAD COATED COPPER
BD.	BOARD	LIN.	LINEAR
BLDG.	BUILDING	L.L.	LIVE LOAD
BM.	BEAM	L.P.	LOW POINT
B.O.	BY OWNER	MACH.	MACHINE
BRNG./BRG.	BEARING	MAX.	MAXIMUM
BRK.	BRICK	M.B.	MARKER BOARD
BSMT.	BASEMENT	M&E	MECHANICAL & ELECTRICAL
B.U.	BUILT-UP	MECH.	MECHANICAL
C.B.	CHALKBOARD	MET./METL./MET'L.	METAL
CEIL./CLG.	CEILING	MIN.	MINIMUM
C.H.	CEILING HEIGHT	MISC.	MISCELLANEOUS
C.J.	CENTER JOINT	MFG.	MANUFACTURER
CL.	CENTERLINE	M.T.	METAL THRESHOLD
CLO.	CLOSET	MULL.	MULLION
CMU	CONCRETE MASONRY UNIT	M.O.	MASONRY OPENING
C.O.	CASED OPENING	M.W.P.	MEMBRANE WATERPROOFING
COL.	COLUMN	N	NORTH
CONC.	CONCRETE	N.I.C.	NOT IN CONTRACT
CONF.	CONFERENCE	N.T.S.	NOT TO SCALE
CONST.	CONSTRUCTION	NO.	NUMBER
CONT.	CONTINUOUS	NOM.	NOMINAL
CORR.	CORRIDOR	O.C.	ON CENTER
C/SK.	COUNTERSUNK	O.D.	OUTSIDE DIAMETER
C.T.	CERAMIC TILE	OPP.	OPPOSITE
DET.	DETAIL	PL	PLATE
D.F.	DRINKING FOUNTAIN	PSF	POUNDS PER SQUARE FOOT
DIA.	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIM.	DIMENSION	PTD.	PAINTED
DN.	DOWN	Q.T.	QUARRY TILE
DO	DITTO	R./RAD.	RADIUS/RISER
D.P.	DAMP PROOFING	RAIL.	RAILING
D.S.	DOWN SPOUT	R.D.	ROOF DRAIN
D.T.	DRAIN TILE	REBAR.	REINFORCING BARS
DWG.	DRAWING	REINF.	REINFORCEMENT
EA.	EACH	R.L.	RAIN LEADER
EL.	ELEVATION	RM.	ROOM
ELEV.	ELEVATOR	R.S.	REDUCING STRIP
E.P.	ELECTRICAL PANEL	R/W	RIGHT OF WAY
EQ.	EQUAL	S.C.	SOLID CORE
EQUIPMT	EQUIPMENT	SEC.	SECRETARY
E.W.	EACH WAY	SHT.	SHEET
EXIST./EXS.	EXISTING	S.F.	SMOOTH FINISH
EXP. JT./E.J.	EXPANSION JOINT	S.F.S.	SPECIFICATIONS
EXT.	EXTERIOR	S.S.	STAINLESS STEEL
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	S/S	SERVICE SINK
F.D.	FLOOR DRAIN	STL.	STEEL
F.X.C.	FIRE EXTING. CABINET	STOR.	STRUCTURE
F.X.H.C.	FIRE EXTINGUISHER & HOSE CABINET	T.B.	TOWEL BAR
F.X.V.C.	FIRE EXTINGUISHER & VALVE CABINET	TEL.	TELEPHONE
F.F.	FINISHED FLOOR	TEMP.	TEMPERED
FLR./FL.	FLOOR	THK.	THICK
F.R.	FIRE RATED	T.D.	PAPER TOWEL DISPENSER
GA.	GAUGE	T.P.	TOILET PAPER HOLDER
G.B.	GRAB BARS (HANDICAPPED)	TYP.	TYPICAL
G.C.	GENERAL CONTRACTOR	U.C.	UNDER CUT
GALV.	GALVANIZED	V.B.	VAPOR BARRIER
GRD.	GROUND	V.C.T.	VINYL COMPOSITION TILE
GYP. BD.	GYPSUM BOARD	VERT.	VERTICAL
H.C.	HOLLOW CORE	V.P.	VISION PANEL
HDCP.	HANDICAPPED	V.I.F.	VERIFY IN FIELD
HGT./HT.	HEIGHT	W/	WITH
H.M.	HOLLOW METAL	WD.	WOOD
HORIZ.	HORIZONTAL	W.P.	WATERPROOFING
H.P. (HP)	HIGH POINT	W.W.F.	WELDED WIRE FABRIC
HR	HOUR		

PROJECT GENERAL DATA & CODE SUMMARY

NAME OF THE PROJECT:	HIALEAH HOUSING AUTHORITY
LOCATION:	70 EAST 7TH STREET, HIALEAH FLORIDA 33010
PROPOSED USE:	MULTI FAMILY
PROJECT SUMMARY:	NEW 275 KW EMERGENCY GENERATOR
DESCRIPTION OF BUILDING:	MULTI FAMILY - 7 STORY/ COMMERCIAL - 3 STORY
CODE ENFORCEMENT JURISDICTION:	2017 FLORIDA BUILDING CODE SIXTH EDITION FBC EXISTING BUILDING 2017 SIXTH EDITION FFPC 2015 (6TH EDITION) CITY OF HIALEAH

FLORIDA FIRE PREVENTION CODE (FFPC) 6TH EDITION (2017)
 FLORIDA BUILDING CODE (FBC) 6TH EDITION (2017)
 FLORIDA BUILDING CODE EXISTING BUILDING 6TH EDITION (2017)
 FLORIDA BUILDING CODE ACCESSIBILITY 6TH EDITION (2017)
 FLORIDA BUILDING CODE RESIDENTIAL 6TH EDITION (2017)
 NFPA 1, 2015 EDITION, "FIRE CODE".
 NFPA 101, 2015 EDITION, "LIFE SAFETY CODE".
 NFPA 10, 2013 EDITION, "STANDARD FOR PORTABLE FIRE EXTINGUISHER".
 NFPA 13, 2013 EDITION, "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM".
 NFPA 70, 2014 EDITION, "NATIONAL ELECTRICAL CODE".
 NFPA 72, 2013 EDITION, "NATIONAL FIRE ALARM CODE".
 FFPC 2015 (6TH EDITION).
 CITY OF HIALEAH ZONING CODE

ZONING:	R-3-8 / CR
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ZONING DATA

LEGAL DESCRIPTION:	LOTS 6 THROUGH 18, IN BLOCK 24 OF "TOWN OF HI-A-LE-AH" ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 50 AT PAGE 77, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA
FOLIO NUMBER:	04-3118-001-2910

LEVEL OF ALTERATION

ALTERATION-LEVEL 2
FLORIDA BUILDING CODE SIXTH EDITION (2017) EXISTING BUILDING, CHAPTER 8 ALTERATIONS—LEVEL 2

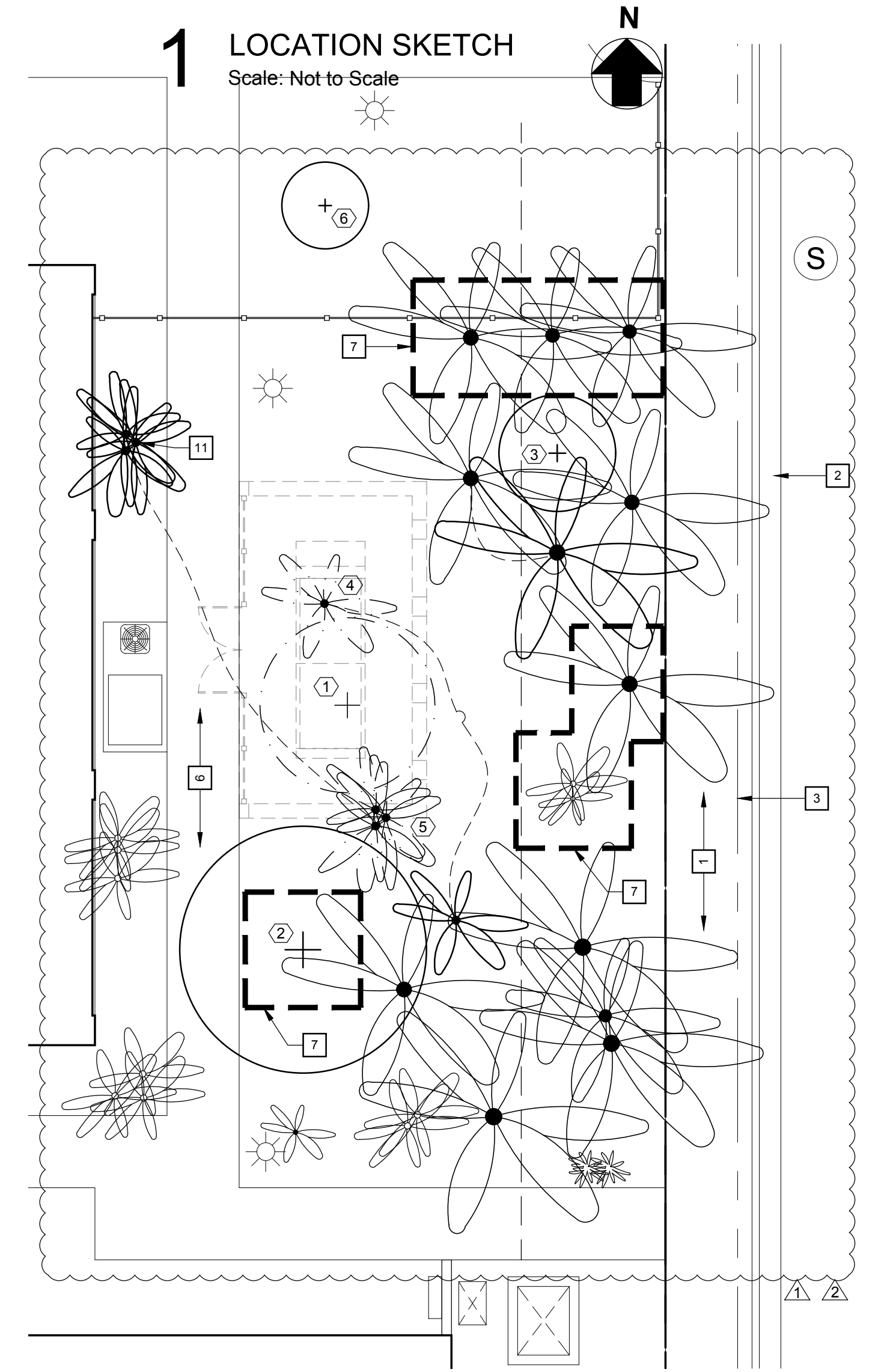
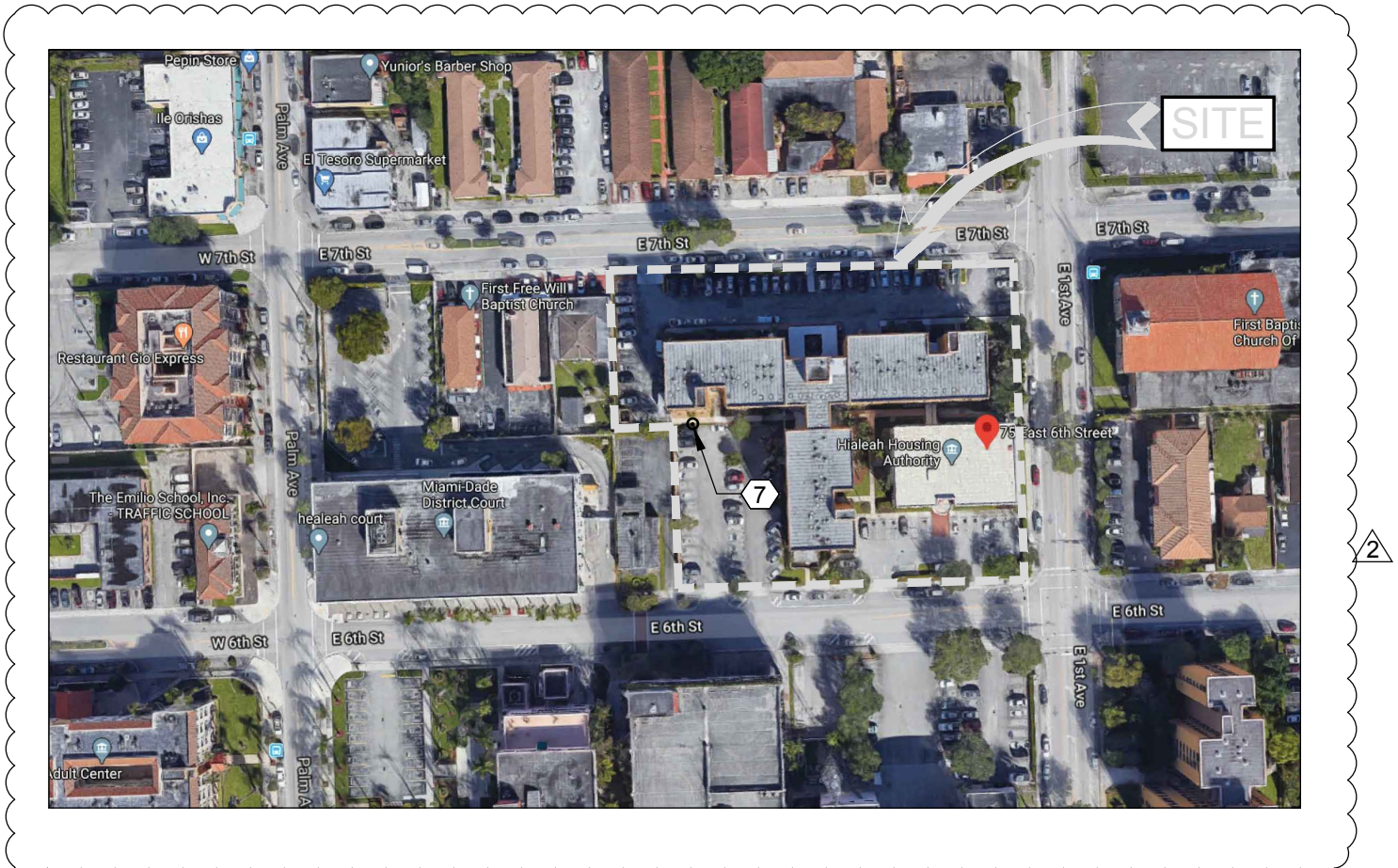
CLASS OF REHABILITATION AS PER NFPA 101 CHAPTER 43

MODIFICATION AS PER SECTION 43.5

SCOPE OF WORK

NEW 275 KW EMERGENCY GENERATOR

NO.	COMMON NAME	SCIENTIFIC NAME	DBH	HEIGHT	SPREAD	DESCRIPTION OF WORK
①	OAK TREE	Quercus Virginiana	10"	15'-17'	12'	REMOVAL
②	OAK TREE	Quercus Virginiana	12"	20'	20'	ROOT BARRIER
③	OAK TREE	Quercus Virginiana	12"	20'	20'	ROOT BARRIER
④	SPINDLE PALM	Hyophorbe verschaffeltii	12"	10'	6"	RELOCATION
⑤	SPINDLE PALM	Hyophorbe verschaffeltii	12"	10'	6"	RELOCATION
⑥	OAK TREE	Quercus Virginiana	3"	14'	6"	MITIGATION
⑦	OAK TREE	Quercus Virginiana	3"	14'	6"	MITIGATION (FOR TREE PLACEMENT REFER TO LOCATION SKETCH)



SYMBOL LEGEND:

	KEY NOTE
	WINDOW NUMBER. REFER TO WINDOW SCHEDULE
	DOOR NUMBER. REFER TO DOOR SCHEDULE
	ELEVATION NUMBER
	ELEVATION SYMBOL
	SHEET NUMBER
	DETAIL NUMBER
	DETAIL SYMBOL
	SHEET SYMBOL
	SECTION NUMBER
	WALL SECTION SYMBOL
	SHEET NUMBER
T.O.B.	TOP OF TIE BEAM
F.F.F.	MEASURED FROM FINISHED FLOOR
O.C.	ON CENTER
MIN.	MINIMUM
MAX.	MAXIMUM
P.T.	PRESSURE TREATED
M.O.	MASONRY OR CONCRETE OPENING
EX	EXISTING DOOR TO REMAIN
EQ.	EQUAL DIMENSION. DIMENSIONS WITH "EQ." WITHIN THE SAME DIMENSION STRING SHALL BE THE SAME. DIFFERENT DIMENSION STRINGS HAVE DIFFERENT "EQ." DIMENSIONS. ALL DIMENSIONS ARE TO FACE OF STUDS OR FACE OF CONCRETE BLOCK WALL UNLESS SHOWN ON CENTER LINE.
	STEP SYMBOL

TREE REMOVAL PLAN KEY NOTES:

①	EXISTING SIDEWALK
②	EXISTING CURB AND GUTTER
③	EXISTING OVERHEAD POWER LINES
④	EXISTING GAS METER
⑤	NEW EMERGENCY GENERATOR
⑥	EXISTING WALKWAY
⑦	8'-0" x 8'-0" TREE PROTECTION BARRIER

STRUCTURAL ENGINEER:
 BCC ENGINEERING
 6401 SW 87th AVENUE, SUITE 200
 MIAMI, FLORIDA 33173
 O. 305.670.2351

M/E/P ENGINEER:
 HMB Engineering Services P.A.
 3553 NW 79 AVENUE, MIAMI
 FLORIDA 33122
 O. 305-436-9292

13944 SW 8TH STREET, SUITE 206
 MIAMI, FL. 33184
 O: 305.559.1496
 AA26002069

ARCHITECTURAL GROUP

ARCHITECTURAL NOTES

- THE CONTRACTOR SHALL NOT DEVIATE FROM THE DRAWINGS AND/OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT OR ENGINEER AND REVISED PERMIT DRAWINGS. ANY DEVIATION CAN RESULT IN DELAYS, ADDITIONAL COSTS TO THE CONTRACTOR, AND FAILURE TO OBTAIN A FINAL INSPECTION AND/OR CERTIFICATE OF OCCUPANCY. ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THESE DRAWINGS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 6TH EDITION (2017) OF THE FLORIDA BUILDING CODE, ZONING REQUIREMENTS AND ANY OTHER APPLICABLE CODE. THE CONTRACTOR SHALL UTILIZE METHODS OF CONSTRUCTION WHICH COMPLY WITH ALL APPLICABLE BUILDING CODES, STANDARDS AND ORDINANCES.
- THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED THE SITE WITH RESPECT TO ALL EXISTING FIELD CONDITIONS BEFORE SUBMITTING BID PROPOSALS, PERFORMING ANY WORK OR ORDERING ANY MATERIALS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF ANY EXISTING AND NEW WORK AND SHALL BE RESPONSIBLE FOR THEIR ACCURACY. ANY DIFFERENCES FOUND SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT OR ENGINEER FOR VERIFICATION BEFORE PROCEEDING WITH THE WORK.
- PRIOR TO START, TAKE ORDINARY PRECAUTIONS TO ACQUIRE ALL PERMITS, LICENSES, UTILITY CONNECTION CONFIRMATIONS, LANDLORD & GOVERNMENTAL APPROVAL, ETC., NECESSARY FOR FULL COMPLETION AND OCCUPANCY OF THE PROJECT.
- THE GENERAL CONTRACTOR SHALL LOCATE ALL GENERAL REFERENCE POINTS AND TAKE ORDINARY PRECAUTIONS TO PREVENT THEIR DISRUPTION. EACH PRIME SUBCONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF HIS OWN WORK AND SHALL BE RESPONSIBLE FOR ALL LINES, ELEVATION MEASUREMENTS, AND OTHERS AS MAY BE REQUIRED OF HIS WORK. HE SHALL BE RESPONSIBLE FOR VERIFYING ALL FIGURES AND DETAILS SHOWN ON THE DRAWINGS WHICH RELATE TO HIS WORK. PRIOR TO LAYING OUT THE WORK, HE SHALL BE RESPONSIBLE FOR ANY ERROR RESULTING FROM HIS FAILURE TO TAKE SUCH PRECAUTIONS. HE SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS, PRIOR TO PERFORMING THE WORK.
- THE CONTRACTOR SHALL COORDINATE AND SCHEDULE THE WORK OF ALL TRADES TO INSURE THAT ALL WORK IS COMPLETED IN A TIMELY, WORKMANLIKE MANNER, COMPLYING WITH THE OWNER/CONTRACTOR AGREEMENT AND ALL OF THE CONSTRUCTION DOCUMENTS.
- DIVISIONS OF THE WORK FOR SUBCONTRACTING PURPOSES SHALL BE AS PER THE GENERAL CONTRACTOR'S DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF ALL SUBCONTRACTORS TO HAVE EXAMINED AND REVIEWED THE COMPLETE SET OF WORKING DRAWINGS, AND/OR SPECIFICATIONS TO PROVIDE ALL LABOR AND MATERIAL FOR THEIR RESPECTIVE AREA OF WORK FOR THE COMPLETE AND FINISHED INSTALLATION IN COMPLIANCE WITH THE INTENT OF THE DRAWING AND/OR SPECIFICATIONS, WHETHER IT IS INDICATED OR NOT. ALL WORK, WHETHER INDICATED OR NOT, SHALL BE IN COMPLIANCE WITH ALL BUILDING CODES AND ORDINANCES WHICH ARE APPLICABLE TO THE PROJECT.
- THE CONTRACTOR IS TO PROVIDE ALL THE SUPPLEMENTAL MATERIALS REQUIRED TO PROPERLY INSTALL, SUPPORT, BRACE AND SHORE ALL BUILDING COMPONENTS WITHIN THE SCOPE OF THE PROJECT.
- SUBCONTRACTORS SHALL COOPERATE WITH EACH OTHER AND WITH THE GENERAL CONTRACTOR TO PROVIDE MATERIALS AND LABOR THAT ARE NECESSARY IN EACH OTHER'S WORK AT THE PROPER TIMES SO THAT THE CONSTRUCTION SCHEDULE IS NOT AFFECTED. THESE INTERFACINGS SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTORS WHOSE WORK IS AFFECTED AS SUCH.
- ALL WORK SHALL BE PERFORMED BY QUALIFIED CONTRACTORS IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- PRODUCT MANUFACTURERS INDICATED IN SCHEDULE AND/OR ON PLANS WERE SELECTED BASED UPON QUALITY, SIZE, COLOR, ETC., AND ARE NOT INTENDED TO RESTRICT COMPETITIVE BIDDING. PRODUCTS "EQUAL TO", INTENDED TO BE USED AS SUBSTITUTES, ARE SUBJECT TO ARCHITECT'S APPROVAL IN WRITING PRIOR TO PRODUCT PURCHASE AND INSTALLATION. WINDOWS AND EXTERIOR DOORS SHALL HAVE PRODUCTS APPROVAL AND BE INSTALLED AS OUTLINED IN THE NOTICE OF ACCEPTANCE.
- THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL SIGNAGE, BARRICADES, FENCING, LIGHTING, ETC., AS REQUIRED FOR THE PREVENTION OF THE PERSONAL INJURIES TO THE OWNERS, EMPLOYEES, REPRESENTATIVES, OR OTHERS WITHIN THE AREAS OF CONSTRUCTION.
- PROTECTIVE DEVICES TO BE INSTALLED SHALL COMPLY WITH THE REQUIREMENTS OF ALL LOCAL, STATE, AND NATIONAL GOVERNING CODES, AND OTHER GOVERNING FORM OF AUTHORITY.
- GENERAL CONTRACTOR SHALL TAKE ORDINARY PRECAUTIONS TO SECURE AND PROTECT MATERIALS TO BE RELOCATED AS DETERMINED BY THE OWNER OR ARCHITECT.
- THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE PRIOR TO COMMENCEMENT OF WORK FOR THE OWNER'S APPROVAL.
- THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING FOR THE ARCHITECT REVIEW. THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS OF ALL SHOP FABRICATED ITEMS TO THE ARCHITECT FOR REVIEW, PRIOR TO FABRICATION. ARCHITECT SHALL HAVE AT LEAST TEN (10) WORKING DAYS TO REVIEW.
- THE CONTRACTOR SHALL PROVIDE 18"X18" PAINT SAMPLES (3) APPLIED ON THE FIELD (INTERIOR AND EXTERIOR APPLICATIONS) FOR ARCHITECTS APPROVAL PRIOR MATERIAL PURCHASING.
- THE CONTRACTOR SHALL PROVIDE SAMPLES OF ALL MATERIAL FINISHES (INTERIOR & EXTERIOR) FOR ARCHITECTS APPROVAL.
- WRITTEN DIMENSIONS GOVERN. DO NOT SCALE DRAWINGS.
- UPON COMPLETION OF THE WORK, THE PREMISES SHALL BE CLEANED OF ALL DEBRIS WITH THE SITE LEFT CLEAN AND ORDERLY. SITE CONDITION TO BE APPROVED BY OWNER AND ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY RESTROOM FACILITIES IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATIONS FOR THE USE OF HIS EMPLOYEES AS MAY BE NECESSARY TO COMPLY WITH REGULATIONS OF THE STATE BOARD OF HEALTH AND SANITARY REGULATIONS OF THE INSTITUTION. A NUISANCE SHALL NOT BE PERMITTED.

GENERAL FINISH NOTES

- GENERAL CODE REQUIREMENT:
 - ALL FINISHES SHALL COMPLY WITH THE 6TH EDITION (2017) OF THE FLORIDA BUILDING CODE, CHAPTER 8. SHALL GOVERN THE USE OF MATERIALS AS INTERIOR FINISHES BY LIMITING THE ALLOWABLE FLAME SPREAD AND SMOKE DEVELOPMENT BASED ON LOCATION AND OCCUPANCY CLASSIFICATION.
- PAINT COVERING:
 - NO PAINTING OR FINISHING SHALL BE DONE UNDER CONDITIONS WHICH WILL JEOPARDIZE THE QUALITY OR APPEARANCE OF SUCH WORK. ALL WORKMANSHIP WHICH IS JUDGED LESS THAN FIRST QUALITY BY THE DESIGNER WILL BE REJECTED.
 - ALL COLORS ARE TO BE SELECTED BY THE DESIGNER UNLESS OTHERWISE NOTED (U.O.N.).
 - ALL CRACKS, HOLES, IMPERFECTIONS IN EXISTING WALLS, PARTITIONS OR GYPSUM BOARD SHALL BE FILLED WITH PATCHING PLASTER AND SMOOTHED OFF TO MATCH ADJOINING SURFACES.
 - UPON COMPLETION REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED OR SPATTERED ON EXPOSED ADJACENT SURFACES.
 - EXAMINE ALL FINISH SURFACES AFTER COMPLETION OF WORK INCLUDING GENERATOR INSTALLATION AND PROCEED WITH "TOUCH UP" AS REQUIRED.
 - PROVIDE THE DESIGNER WITH A MINIMUM OF (3) 8"X10" BRUSH-OUTS OF EACH COLOR & FINISH FOR DESIGNERS APPROVAL AT LEAST 2 WEEKS PRIOR TO SITE APPLICATION. ON-SITE APPLICATION WILL BE REQUIRED ONE WEEK PRIOR TO FINAL APPROVAL. DESIGNER RESERVES THE RIGHT TO ADJUST ANY COLOR/FINISH ONCE THE TEST HAS BEEN MADE.
 - ELECTRICAL SWITCH AND OUTLET COVER PLATES TO MATCH SURFACE IT RESIDES ON. CONTRACTOR TO PROVIDE SAMPLES FOR ARCHITECT'S APPROVAL.
 - SEE FINISH PLAN, ELEVATIONS AND DETAILS FOR CLARIFICATION OF EXTENT AND FINISH MATERIALS.

SHOP DRAWING AND OTHER SUBMITTALS

- REVIEW OF SUBMITTALS BY THE ARCHITECT IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE. ONLY THOSE SUBMITTALS REQUIRED BY THE CONTRACT DOCUMENTS TO BE SUBMITTED WILL BE REVIEWED. ALL OTHERS WILL BE RETURNED WITHOUT COMMENT.
- BEFORE SUBMITTING THE FIRST SHOP DRAWING, SUBMIT THE SHOP DRAWING SUBMITTAL SCHEDULE, PREPARED BY THE CONTRACTOR TO THE ARCHITECT AND ALLOW ADEQUATE TIME FOR TRANSIT AND PROCESSING. THE ARCHITECT WILL REVIEW AN AVERAGE SUBMITTAL WITHIN 10 BUSINESS DAYS OF RECEIPT OF THEM.
- SUBMIT SHOP DRAWINGS IN A TIMELY MANNER.
- REVIEW OF SHOP DRAWINGS IS LIMITED TO TWO (2) REVIEWS PER SUBMITTAL WITHIN THE SCOPE OF BASIC SERVICES (I.E., INITIAL SUBMITTAL REVIEW AND ONE RESUBMITTAL, IF NECESSARY). REVIEW OF ADDITIONAL RESUBMITTAL WILL BE CONSIDERED ADDITIONAL SERVICES, FOR WHICH THE GENERAL CONTRACTOR MAY BE HELD RESPONSIBLE. IF ADDITIONAL SHOP DRAWING REVIEWS ARE REQUIRED, ADDITIONAL SERVICES COMPENSATION TO THE ARCHITECT-ENGINEER AGREEMENT SHALL BE PROVIDED.
- ALL SUBMITTALS SHALL BE ACCOMPANIED BY A LETTER OF TRANSMITTAL. DO NOT COMBINE DIFFERENT SUBMITTALS ON THE SAME TRANSMITTAL.
- ALL SHOP DRAWINGS MUST BEAR EVIDENCE OF THE CONTRACTOR'S APPROVAL PRIOR TO SUBMITTING TO A/E.
- ALL CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS MUST BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT / ENGINEER REVIEW WILL BE LIMITED TO TO THOSE ITEMS CAUSING THE RE-SUBMITTAL.
- DO NOT REPRODUCE THE ARCHITECT / ENGINEER CONTRACT DOCUMENTS TO USE AS SHOP DRAWINGS.
- SHOP DRAWINGS NOT MEETING THE ABOVE CRITERIA OR SUBMITTED AFTER FABRICATION WILL NOT BE REVIEWED.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUB-CONTRACTOR TO CLEARLY IDENTIFY IN A SHOP DRAWING OR SUBMITTAL WHEN A SUBSTITUTION FOR A SPECIFIED ITEM IS PROPOSED. IF THE SUBSTITUTION ITEM IS NOT CLEARLY IDENTIFIED AND IS APPROVED BY THE DESIGN TEAM, IT WILL BE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE THE ORIGINAL SPECIFIED ITEM AT NO COST TO OWNER, ARCHITECT, OR ENGINEERS.

CODE COMPLIANCE GENERAL NOTES

- CONTRACTOR IS TO PERFORM ALL WORK FOR THE CONTRACT DOCUMENTS UNDER THE GUIDELINES OF:
 - FLORIDA FIRE PREVENTION CODE (FFPC) 6TH. EDITION.
 - FLORIDA BUILDING CODE (FBC) 6TH. EDITION.
 - NFPA 1, 2015 EDITION, "FIRE CODE".
 - NFPA 101, 2015' EDITION, "LIFE SAFETY CODE".
 - NFPA 10, 2013' EDITION, "STANDARD FOR PORTABLE FIRE EXTINGUISHER".
 - NFPA 13, 2013' EDITION, "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM".
 - NFPA 70, 2014' EDITION, "NATIONAL ELECTRICAL CODE".
 - NFPA 72, 2013' EDITION, "NATIONAL FIRE ALARM CODE".
 - ANSIASHRAE 15-19 SAFETY CODE FOR MECHANICAL REFRIGERATION.
 - FLORIDA ENERGY CODE FOR BUILDING CONSTRUCTION LATEST EDITION
 - NFPA 14, 2013' EDITION "STANDARD FOR THE INSTALLATION OF STANDPIPE, AND HOSE SYSTEMS".
 - NFPA 54, 2015 EDITION "NATIONAL FUEL GAS CODE.
 - NFPA 90A, 2015 EDITION, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS".
 - MIAMI DADE COUNTY PLANNING & ZONING CODE
- CONCRETE MASONRY UNITS USED IN EXTERIOR WALLS AND IN ALL WALLS OR PARTITIONS SHALL COMPLY WITH 6TH EDITION (2017) OF THE FBC SECTION 704
- ALL FINISHES SHALL COMPLY WITH THE 6TH EDITION (2017) OF THE FLORIDA BUILDING CODE. CHAPTER 8. SHALL GOVERN THE USE OF MATERIALS AS INTERIOR FINISHES BY LIMITING THE ALLOWABLE FLAME SPREAD AND SMOKE DEVELOPMENT BASED ON LOCATION AND OCCUPANCY CLASSIFICATION.
- IT IS THE RESPONSIBILITY OF THE VENDOR/ SUPPLIER TO CONFIRM THAT HIS/HER PRODUCT MEETS ALL LOCAL CODES (ADA, NFPA, IBC,) FOR THE APPLICATION IN WHICH IT IS TO BE USED. IF THE MATERIAL REQUESTED BY THE ARCHITECT IS IN QUESTION TO MEET SUCH CODES, THE VENDOR/ SUPPLIER MUST INFORM THE ARCHITECT AND MAKE THE NECESSARY CHANGES SO THE PRODUCT MEETS ALL REQUIRED CODES.

DEMOLITION NOTES

- GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO START OF CONSTRUCTION. ANY CONDITION NOT BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- GENERAL CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO ANY DEMOLITION. (I.E. WATER, SEWER, FPL, ETC.) IMMEDIATELY NOTIFY THE ARCHITECT AND OWNER OF ANY DISCOVERED DISCREPANCIES.
- CONTRACTOR TO LOCATE ALL EXISTING INSTALLATIONS THAT WILL PREVENT THE CONSTRUCTION OF THE INTENDED ITEMS, OR REQUIRE THE MODIFICATION OF CEILING HEIGHTS.
- GENERAL CONTRACTOR TO PATCH AND REPAIR ALL SURFACES THAT BECOME AFFECTED DURING CONSTRUCTION.
- ALL SALVAGEABLE MATERIALS TO BE REMOVED AND STORED ACCORDING TO OWNER'S REQUEST, COORDINATE WITH TENANT & LANDLORD.
- ITEMS TO BE REMOVED OR RELOCATED SHALL BE DONE IN A SAFE, ORDERLY MANNER WITHOUT DAMAGE TO OTHER PARTS OF THE PREMISES OR ADJACENT PROPERTIES, ANY RESULTING DAMAGE OR LOSS SHALL BE CORRECTED OR REPLACED BY CONTRACTOR.
- LOCATION OF DUMPSTER AND WORK PROCEDURES ARE TO BE COORDINATED WITH PROPERTY MANAGEMENT OR OWNER.
- CONTROL THE SPREAD OF DUST AND DIRT AS REQUIRED.
- VERIFY THAT ALL APPROPRIATE UTILITIES HAVE BEEN DISCONNECTED AND PROPERLY CAPPED TO INSURE SAFETY.
- PROMPTLY DISPOSE OF MATERIALS RESULTING FROM DEMOLITION OPERATIONS. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
- MATERIALS PRODUCED BY DEMOLITION ARE TO BE RECYCLED TO EXTENT FEASIBLE WHERE NOT SALVAGED FOR REUSE IN NEW CONSTRUCTION. TRANSPORT MATERIALS RESULTING FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF SITE.
- CONTRACTOR TO DISPOSE OF DEMOLISHED MATERIALS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- UPON COMPLETION OF DEMOLITION OPERATIONS, REMOVE ALL TOOLS, EQUIPMENT AND DEBRIS LEAVING ALL AREAS (EXT & INT.) CLEAN AND PREPARED FOR NEW CONSTRUCTION.
- ALL DEMOLISHED MATERIAL SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE DISPOSED OF BY CONTRACTOR.
- PROTECT ALL CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION OF ADJACENT CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR RESTORATION IF DAMAGE OCCURS TO AREAS NOT SHOWN TO BE DEMOLISHED.
- DETAILS NOTED "TYPICAL" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.
- CONTRACTOR SHALL PROVIDE TEMPORARY FIRE PROTECTION & LIGHTING DURING DEMOLITION WORK, IF REQUIRED.
- DEMOLITION NOTES INDICATE TYPE OF WORK TO BE PERFORMED. CONTRACTOR TO VERIFY EXTENTS OF ALL DEMOLITION WORK IN THE FIELD.

PAINTING

- ALL SPACES SHALL BE SWEEPED CLEAR AND CLEAN BEFORE PAINTING OR STAINING IS STARTED, AND ALL SURFACES TO BE PAINTED OR STAINED SHALL BE DRY.
- WHERE NO SPECIFIC MANUFACTURER OF PAINTS, VARNISHES, ENAMELS, STAINS, ETC., IS SPECIFIED, SUCH MATERIALS SHALL BE THE PRODUCT OF THE FOLLOWING MANUFACTURERS AND SHALL BE THEIR HIGHEST GRADE OF EACH TYPE OF MATERIAL. PITTSBURGH COMPANY, BERWIN-WILLIAMS PAINT COMPANY, PRATT AND LAMBERT, ASSOCIATED PAINT, MARTIN SENOUR, SHENJAMIN MOORE.
- BEFORE COMMENCING WORK, THE PAINTER MUST MAKE CERTAIN THAT SURFACES TO BE COVERED ARE IN PERFECT CONDITION. SHOULD THE PAINTER FIND SUCH SURFACES IMPOSSIBLE FOR ACCEPTANCE, HE SHALL REPORT SUCH FACT TO THE ARCHITECT. THE APPLICATION OF PAINT SHALL BE HELD AS AN ACCEPTANCE OF THE SURFACES AND WORKING CONDITIONS, AND THE PAINTER SHALL BE HELD RESPONSIBLE FOR THE RESULTS REASONABLY EXPECTED FROM THE MATERIALS AND PROCESSES SPECIFIED. IN NO CASE SHALL PAINT OR STAIN BE APPLIED TO SURFACES WHICH SHOW A MOISTURE CONTENT GREATER THAN 12% FOR INTERIOR WOOD OR 15% FOR PLASTER, AS DETERMINED BY AN ELECTRONIC MOISTURE METER. NO PAINTING SHALL BE DONE WHEN THE TEMPERATURE IS BELOW 50 DEGREES FAHRENHEIT.
- ALL WOOD SURFACES TO RECEIVE STAIN SHALL BE CLEANED IN SUCH A MANNER THAT STAIN CAN BE APPLIED EVENLY.
- BEFORE ORDERING MATERIALS, SAMPLES OF EACH AND EVERY TYPE OF FINISH AND COLOR SHALL BE APPROVED BY THE ARCHITECT.
- UPON COMPLETION, ALL TOUCHING UP AS REQUIRED SHALL BE DONE AND PAINT REMOVED FROM ALL SURFACES WHICH ARE NOT SPECIFIED TO RECEIVE PAINT. ALL RAGS, PAINT CANS, AND OTHER DEBRIS SHALL BE REMOVED.

SEALANTS AND CAULK

- SUBMIT PROPERLY IDENTIFIED MANUFACTURER'S PUBLISHED LITERATURE FOR APPROVAL PRIOR TO INSTALLATION.
- UPON COMPLETION, ALL TOUCHING UP AS REQUIRED SHALL BE DONE AND PAINT NAMES, CATALOG NUMBERS, SPECIFICATIONS, SURFACE PREPARATION, MIXING AND APPLICATION DIRECTIONS FOR EACH PRODUCT.
- PROVIDE WARRANTY COVERING SEALANT MATERIALS FOR A TWO (2) YEAR PERIOD COVERING JOINT FAILURE. JOINT FAILURE IS DEFINED AS: LEAKS OF AIR OR WATER, EVIDENCE OF LOSS OF COHESION, FADING OF SEALANT MATERIAL, MIGRATION OF SEALANT, EVIDENCE OF LOSS OF ADHESION BETWEEN SEALANT AND JOINT EDGE.
- SUBMIT FULL COLOR RANGE FOR SELECTION FROM MANUFACTURER'S STANDARD COLOR CHART.
- MASKING: APPLY TAPE WHERE REQUIRED TO PROTECT ADJACENT SURFACES. ADHERE TAPE IN CONTINUOUS STRIPS IN ALIGNMENT WITH JOINT EDGE, AND REMOVE IMMEDIATELY AFTER JOINTS HAVE BEEN SEALED AND TOOLED.
- MIXING: AS RECOMMENDED BY MANUFACTURER USING PUBLISHED DIRECTIONS. ADHERE TO RECOMMENDED "POT LIFE" REQUIREMENTS.
- CAULKING AND SEALANT FINISHES: FORCE CAULKING AND SEALANT INTO JOINTS WITH GUN HAVING A NOZZLE WHICH FITS INTO JOINTS. FILL JOINTS SOLIDLY. TOOL TO COMPRESS AND SMOOTH JOINTS WITHOUT THIN EDGES, AND LEAVE FREE FROM TOOL MARKS AND FLUSH WITH ADJOINING SURFACES.
- REMOVE EXCESS COMPOUND, SMEARS, DROPPINGS AND MISPLACED COMPOUND BEFORE IT HAS CURED USING SUITABLE TOOLS AND NON-STAINING OIL-FREE SOLVENT RECOMMENDED BY MANUFACTURER.
- CLEAN ADJACENT SURFACES FREE OF SEALANT, CAULKING AND SOILING USING SOLVENT OR CLEANING AGENT AS RECOMMENDED BY THE MANUFACTURER.

RECORD DRAWINGS

- FROM THE START OF CONSTRUCTION UNTIL FINAL INSPECTION AND COMPLETION OF THE WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL HAVE ONE SET OF PLANS AND SPECIFICATIONS IN THE JOB SITE, ON WHICH DETAIL NOTATIONS AS TO THE LOCATIONS OF ALL WORK WILL BE RECORDED. AT THE COMPLETION OF CONSTRUCTION, THIS SET WILL BE TURNED OVER TO THE OWNER WITH THE RECORDED DRAWINGS.
- UPON COMPLETION OF THE WORK UNDER THIS CONTRACT, AND BEFORE FINAL PAYMENT WILL BE ISSUED, THE CONTRACTOR SHALL DELIVER TO THE OWNER TWO (2) SETS OF CONTRACT DRAWINGS UPON WHICH HE WILL INDICATE THE EXACT LOCATION OF ALL ELECTRICAL PLUMBING AND MECHANICAL WORK, AS BUILT, INCLUDING DIMENSIONAL LOCATIONS OF CONCEALED LINES. THE DATA SHALL BE RECORDED TO SCALE, IN RED INK, ON BLACK LINE PRINTS, WITH EACH PRINT BEARING THE DATE, THE NAME OF CONTRACTOR AND SUBCONTRACTOR WHO EXECUTED WORK, THIS ALSO INCLUDES WORK DONE BY OWNER.
- THE CONTRACTOR SHALL DELIVER "AS BUILT" DRAWINGS TO THE OWNER UPON COMPLETION OF THE WORK, AS FINAL PAYMENT WILL BE CONTINGENT UPON RECEIPT OF SUCH DRAWINGS.

DATE:	05.04.20
DESIGNED BY:	MDF
DRAWN BY:	TM
REVIEWED BY:	MDF
PROJECT NO.	20-0007

REVISIONS	

JOSE A. VIDAL AR4535 MANUEL D. FERNANDEZ AR95601	SEAL
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GENERAL NOTES

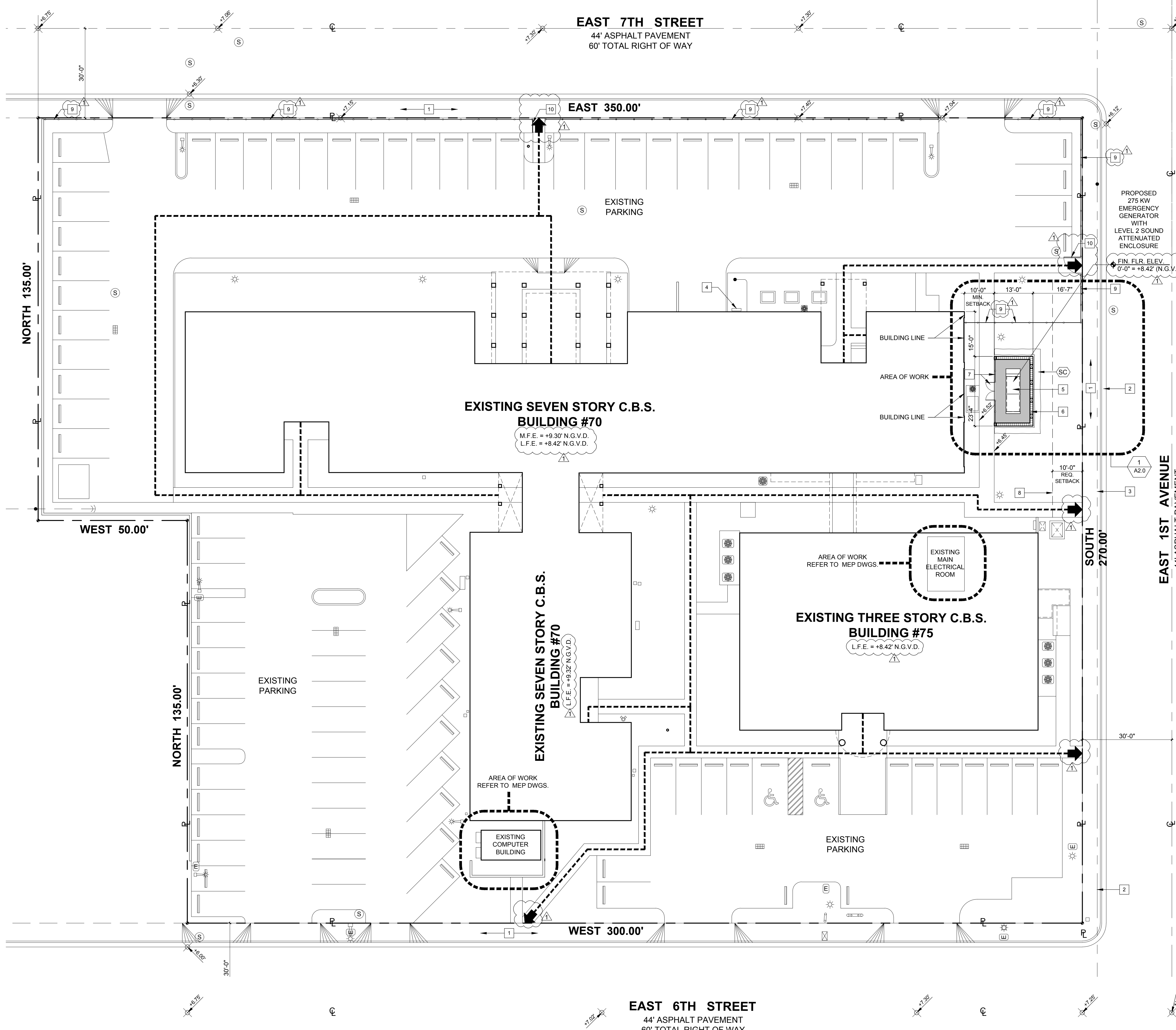
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CONSTRUCTION DOCUMENT

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**HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010**





FULL LEGAL DESCRIPTION:
 LOTS 8 THROUGH 18, IN BLOCK 24 OF "TOWN OF HIALEAH" ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 80 AT PAGE 77, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA
 FOLIO NUMBER: 04-3118-001-2910

ZONING INFORMATION:
 ZONING: R-3
 SITE AREA: 87,750 SQ.FT. / 2.014463 ACRES

SCOPE OF WORK
 NEW 275 KW EMERGENCY GENERATOR

FLOOD LEGEND:
 FLOOD ZONE: X
 ADDRESS: 70 EAST 7TH STREET, HIALEAH FLORIDA 33013
 COMMUNITY: MIAMI-DADE Co. CITY OF HIALEAH 120643
 MAP & PANEL #: 120643, PANEL NO. 0180, SUFFIX J, LAST REVISED ON JULY 17, 1995.
 BASE FLOOD ELEVATION: NONE
 THE ATTACHED CERTIFIED SURVEY
 PREPARED BY: JOSE LOPEZ, SURVEYORS NAME, 3086 FLORIDA REGISTRATION No.
 LOWEST FLOOR ELEVATION: SEE SURVEY
 ADJACENT GRADE ELEVATION: SEE SURVEY

- ALL ELECTRICAL, MECHANICAL AND PLUMBING WILL BE PLACED AT OR ABOVE THE BASE FLOOD ELEVATION (B.F.E.)
- ALL AREAS BELOW B.F.E. SHALL BE PROVIDED WITH A MINIMUM OF TWO (2) OPENINGS HAVING A TOTAL NET AREA OF LESS THAN ONE SQUARE INCH OF OPENING FOR EVERY SQUARE FOOT OF ENCLOSED AREA SUBJECT TO FLOODING. THE BOTTOM OF THE OPENING WILL BE NO HIGHER THAN ONE (1) FOOT ABOVE GRADE AND LOCATED ON DIFFERENT SIDES OF THE ENCLOSED AREA. BE USED BELOW B.F.E.
- ALTERNATIVELY A CERTIFICATION BY: _____ P.E. ON THE PLAN NOTES INDICATING THAT THE DESIGN WILL ALLOWED FOR THE AUTOMATIC EQUALIZATION OF HYDROSTATIC FLOOD FORCES ON EXTERIOR WALLS.
- THE SITE WILL BE GRADED IN A MANNER TO PREVENT THE FLOODING OF ADJACENT PROPERTIES. WHERE NECESSARY INTERCEPTOR SWELLS WILL BE CONSTRUCTED ON-SITE WITH NO ENCROACHMENT OVER ADJACENT PROPERTIES.
 0'-0" = _____ N.G.V.D.

AVERAGE CROWN OF ROAD: $6.75' + 7.45' + 6.82' + 6.75' = 27.77' / 4 = +6.94'$ N.G.V.D.
 REQUIRED GENERATOR CONC. SLAB F.F.E. $6.94' + 1.0' = +7.94'$ N.G.V.D.
 PROVIDED GENERATOR CONC. SLAB F.F.E. = +8.42' N.G.V.D.

- EXISTING SITE PLAN KEY NOTES:**
- EXISTING SIDEWALK
 - EXISTING CURB AND GUTTER
 - EXISTING OVERHEAD POWER LINES
 - EXISTING GAS METER
 - NEW EMERGENCY GENERATOR
 - NEW 8" REINFORCE CONCRETE BLOCK FENCE.
 - NEW ORNAMENTAL FENCE AND GATES TO MATCH EXISTING
 - REQUIRED SETBACK LINE
 - EXISTING ALUMINUM PICKET FENCE
 - EXISTING ALUMINUM PICKET GATE

SITE LIFE SAFETY :SYMBOL LEGEND

--- EXISTING EXIT DISCHARGE & FAC ACCESSIBLE ROUTES

SYMBOL	NEW	SCREEN HEDGE SCIENTIFIC	COMMON	NATIVE SPECIES YES/NO	HEIGHT
(SC)	38	Clusia guttifera	SMALL LEAF CLUSIA	YES	48"

SHRUBS PROVIDED 56 L.F. / 1'-6" = 38 SHRUBS

**HIALEAH HOUSING AUTHORITY
 EMERGENCY GENERATOR
 70 EAST 7TH STREET
 HIALEAH, FLORIDA 33010**

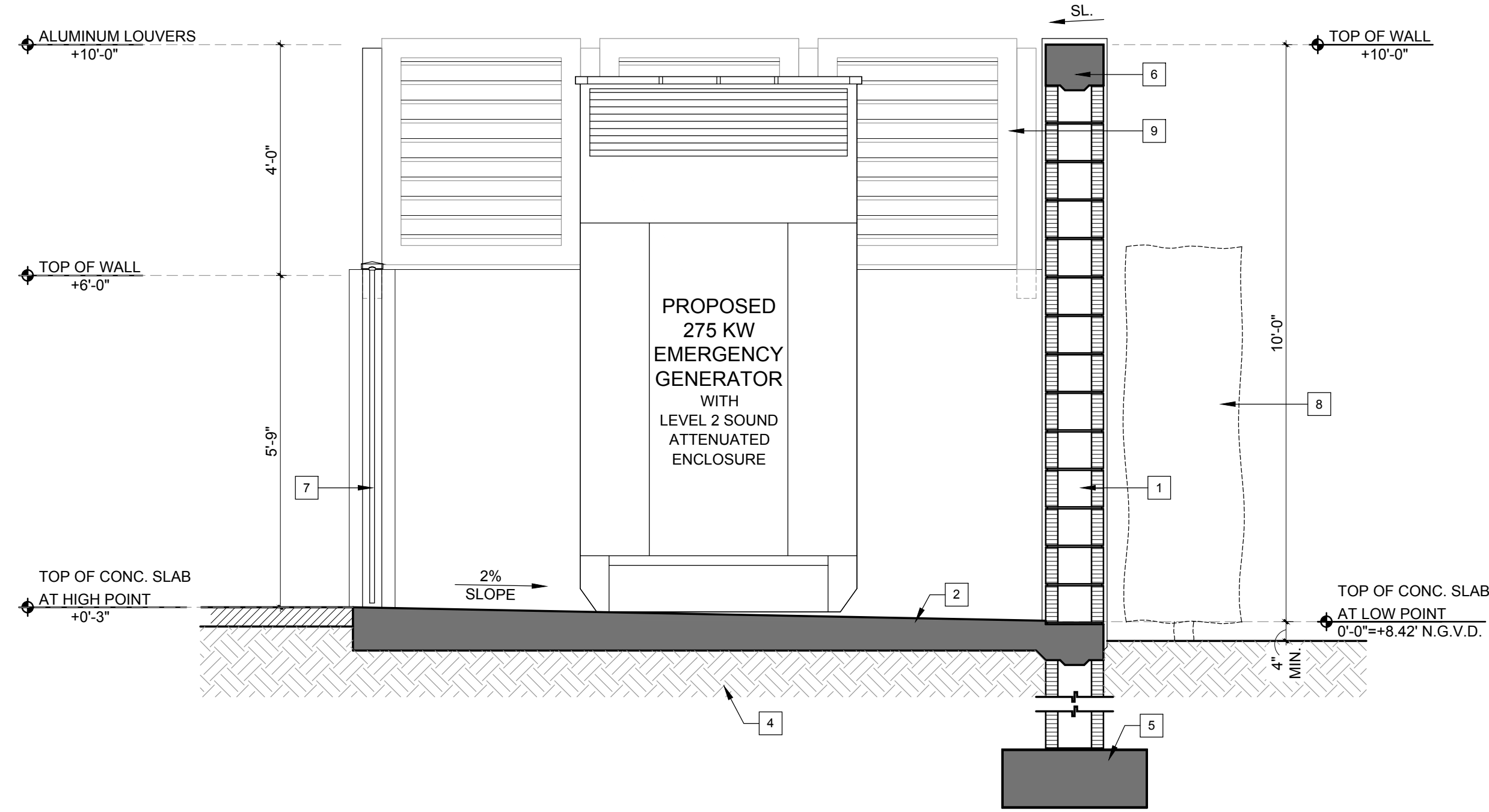
DATE: 05.04.20
 DESIGNED BY: MDF
 DRAWN BY: TM
 REVIEWED BY: MDF
 PROJECT NO.: 20-0007

REVISIONS
 07.31.20 BLDG. COMMENTS

JOSE A. VIDAL AR94535
 MANUEL D. FERNANDEZ AR95601

SEAL

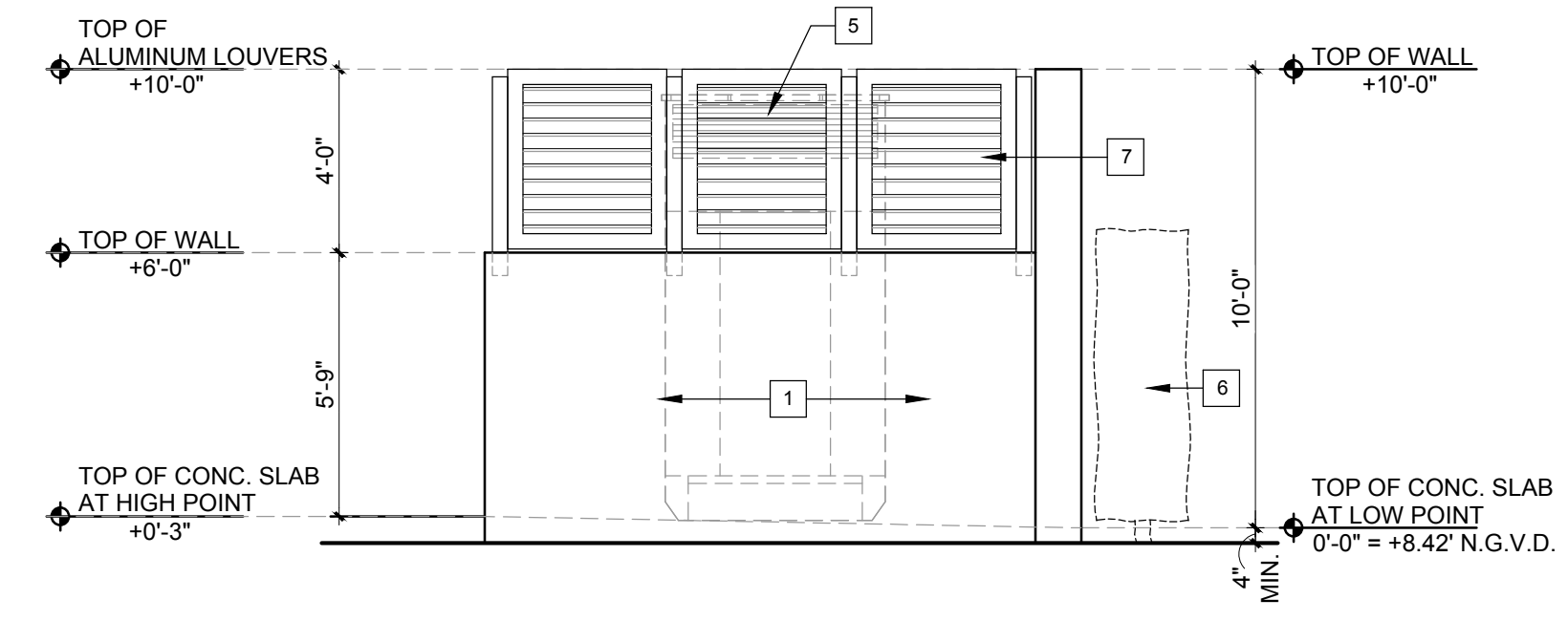
1 EXISTING SITE PLAN
 SCALE: 1/16" = 1'-0"



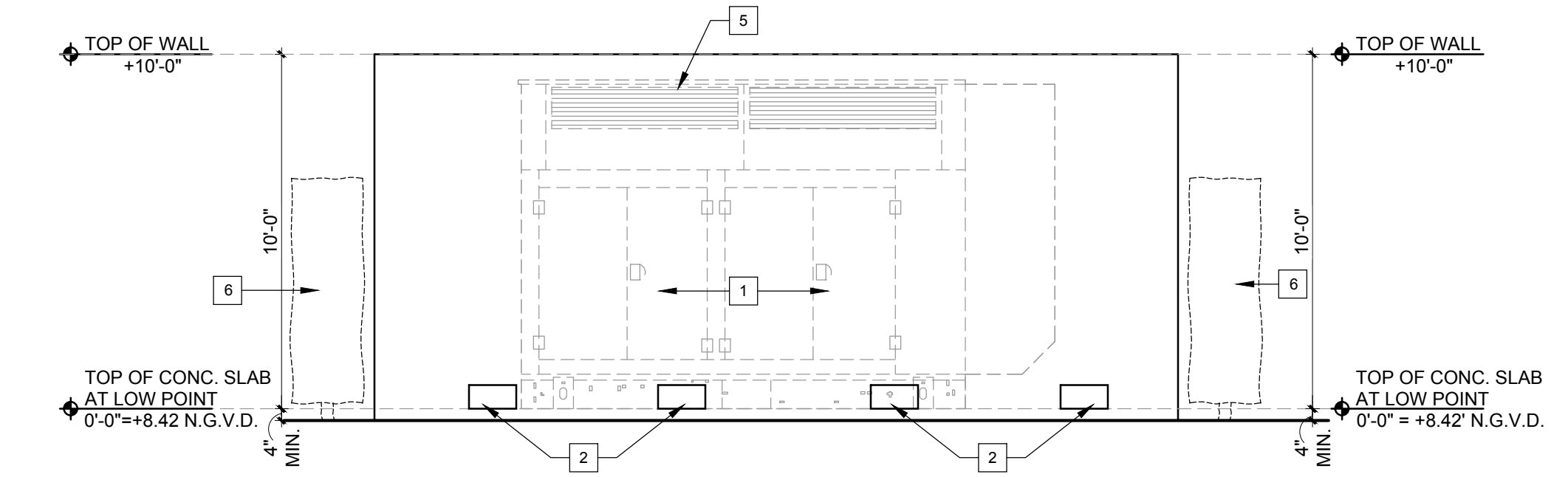
2 PROPOSED 275 KW EMERGENCY GENERATOR SECTION
SCALE: 1/4" = 1'-0"

PROPOSED SECTION KEY NOTES:

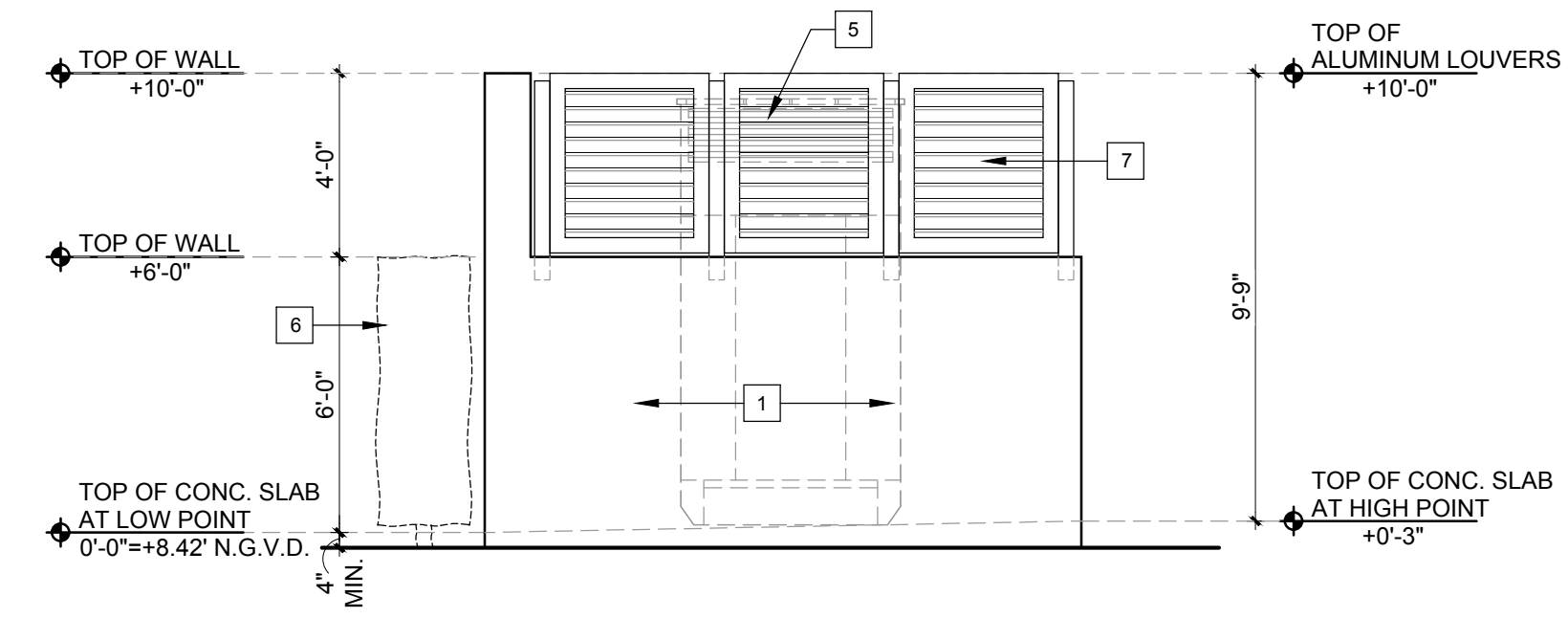
- 1 8" REINFORCED CMU WALL WITH 3/4" SMOOTH STUCCO FINISH TO MATCH EXISTING BUILDING. PROVIDE (3) COATS OF PAINT. REFER TO STRUCTURAL DRAWINGS.
- 2 CONCRETE SLAB WITH BROOM FINISH, REFER TO STRUCTURAL DRAWINGS.
- 3 16" W. x 8" H. WEEP HOLES
- 4 WELL COMPACTED FILL, REFER TO STRUCTURAL DRAWINGS
- 5 CONCRETE FOOTING, REFER TO STRUCTURAL DRAWINGS
- 6 CONCRETE TIE-BEAM, REFER TO STRUCTURAL DRAWINGS
- 7 ORNAMENTAL FENCE AND GATES TO MATCH EXISTING
- 8 6'-6" HIGH SCREEN HEDGE
- 9 ALUMINUM LOUVERS FROM RUSKIN COMPANY (N.O.A. 17-1025.02) WITH WHITE KYNAR PAINT FINISH LOUVERS SHALL BE INSTALLED AS PER ALUMINUM LOUVER RUSKIN COMPANY MANF. SPECS.



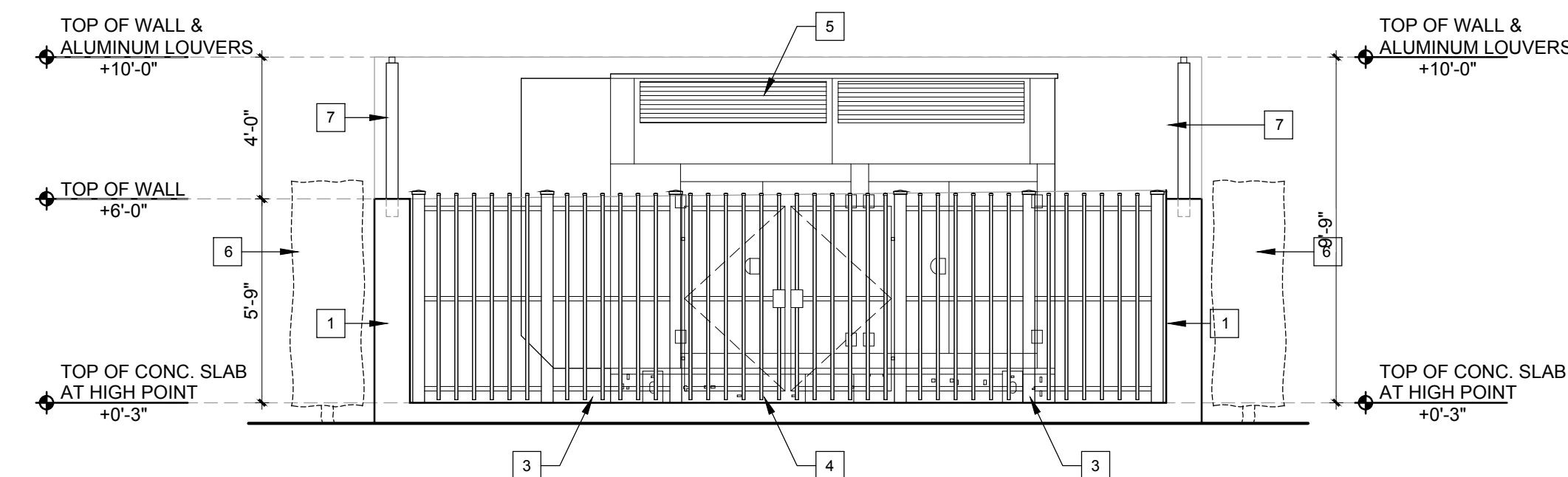
3 PROPOSED 275 KW EMERGENCY GENERATOR WALL ENCLOSURE - SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



4 PROPOSED 275 KW EMERGENCY GENERATOR WALL ENCLOSURE - EAST ELEVATION
SCALE: 1/4" = 1'-0"



5 PROPOSED 275 KW EMERGENCY GENERATOR WALL ENCLOSURE - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



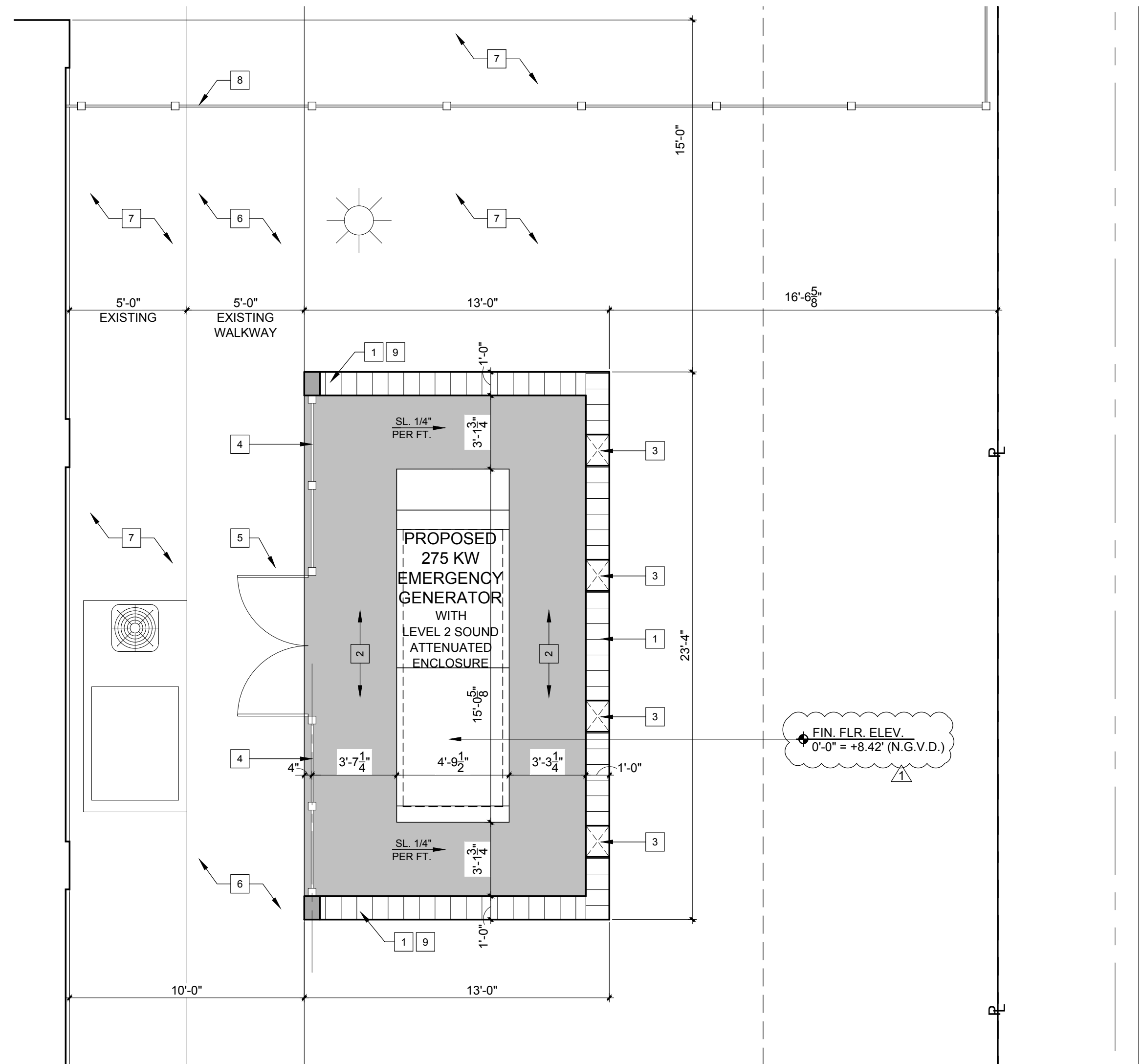
6 PROPOSED 275 KW EMERGENCY GENERATOR WALL ENCLOSURE - WEST ELEVATION
SCALE: 1/4" = 1'-0"

PROPOSED ELEVATIONS KEY NOTES:

- 1 8" REINFORCED CMU WALL WITH 3/4" SMOOTH STUCCO FINISH TO MATCH EXISTING BUILDING. PROVIDE (3) COATS OF PAINT. REFER TO STRUCTURAL DRAWINGS.
- 2 16" W. x 8" H. WEEP HOLES
- 3 ORNAMENTAL FENCE TO MATCH EXISTING
- 4 (2) 3'-0" WIDE x 6'-0" HIGH ORNAMENTAL GATE TO MATCH EXISTING
- 5 EMERGENCY GENERATOR WITH LEVEL 2 SOUND ATTENUATED ENCLOSURE
- 6 6'-6" HIGH SCREEN HEDGE
- 7 ALUMINUM LOUVERS FROM RUSKIN COMPANY (N.O.A. 17-1025.02) WITH WHITE KYNAR PAINT FINISH LOUVERS SHALL BE INSTALLED AS PER ALUMINUM LOUVER RUSKIN COMPANY MANF. SPECS.

PROPOSED FLOOR PLAN KEY NOTES:

- 1 8" REINFORCED CMU WALL WITH 3/4" SMOOTH STUCCO FINISH TO MATCH EXISTING BUILDING. PROVIDE (3) COATS OF PAINT. REFER TO STRUCTURAL DRAWINGS.
- 2 CONCRETE SLAB WITH BROOM FINISH. REFER TO STRUCTURAL DRAWINGS.
- 3 16" W. x 8" H. WEEP HOLES
- 4 ORNAMENTAL FENCE TO MATCH EXISTING
- 5 (2) 3'-0" WIDE x 6'-0" HIGH ORNAMENTAL GATE TO MATCH EXISTING
- 6 EXISTING WALKWAY TO REMAIN
- 7 EXISTING LANDSCAPE AREA TO REMAIN
- 8 EXISTING ORNAMENTAL FENCE TO REMAIN
- 9 ALUMINUM LOUVERS FROM RUSKIN COMPANY (N.O.A. 17-1025.02) WITH WHITE KYNAR PAINT FINISH LOUVERS SHALL BE INSTALLED AS PER ALUMINUM LOUVER RUSKIN COMPANY MANF. SPECS.



1 PROPOSED 275 KW EMERGENCY GENERATOR FLOOR PLAN
SCALE: 1/4" = 1'-0"

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HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010

DATE: 05.04.20
 DESIGNED BY: MDF
 DRAWN BY: TM
 REVIEWED BY: MDF
 PROJECT NO. 20-0007

REVISIONS
 07.31.20 BLDG. COMMENTS

JOSE A. VIDAL AR94535
 MANUEL D. FERNANDEZ AR95601

FLOOR PLAN ELEVATIONS
A2.0
 CONSTRUCTION DOCUMENT

STRUCTURAL NOTES

GENERAL NOTES:

- The Governing Code for this project is the Florida Building Code, 6th Edition (2017). This Code prescribes which Edition of each referenced standard applies to this project.
- To the best of our knowledge, the Structural drawings and specifications comply with the applicable requirements of the Governing Building Code.
- Construction is to comply with the requirements of the Governing Building Code and all other applicable Federal, State, and local Codes, Standards, Regulations and Laws.
- If a conflict exists, notify the Engineer of Record (EOR).
- If any errors or omissions appear on the drawings, specifications or other documents, the contractor shall notify the EOR in writing of such omissions or errors prior to proceeding with any work which appears in questions. In the event of the Contractor's failure to give such notice, He/She shall be held responsible for the results of any such errors or omissions and the cost of rectifying the same.
- Details labeled "Typical" apply to all situations that are the same or similar to those specifically referenced, whether or not they are keyed in at each location. Questions regarding the applicability of typical details shall be resolved by the EOR.
- Contractors who discover discrepancies, omissions or variations in the contract documents during bidding shall immediately notify the EOR. The EOR will resolve the condition and issue a written clarification.
- The General Contractor shall coordinate all contract documents with field conditions and dimensions and project shop drawings prior to construction. Do not scale drawings; use only printed dimensions. Report any discrepancies in writing to the EOR prior to proceeding with work. Do not change size or location of Structural members without written instructions from the Structural Engineer of Record.
- The Contractor shall protect adjacent property, his/her own work and the public from harm. The contractor is solely responsible for construction means and methods, and jobsite safety including all OSHA requirements.
- The Structure is designed to be structurally sound when completed. Prior to completion, the Contractor is responsible for stability and temporary bracing, including, but not limited to, masonry walls. Wherever the Contractor is unsure of these requirements, the Contractor shall retain a Florida Licensed Engineer to design and inspect the temporary bracing and stability of the Structure.

DESIGN WIND LOADS :	
Governing Code	ASCE 7-10
Basic Wind Speed	Vult= 175 MPH/Vasd= 136 MPH
Risk Category	II
Directionality Factor	Kd = 0.85
Exposure	C
Mean Height	<15'-0"

CHEMICAL ADHESIVE FOR ANCHORING REINFORCING BARS, THREADED BARS AND ANCHOR BOLTS:

- Use an epoxy, acrylic or polyester resin adhesive system such as the Hilti Hit HY200, ITW Ramset/Red Head Epon A7 or C6 injection system, Powers Rawl Power-Fast System, Simpson Strong-Tie AT or ET-HP, Allied Fastener Allied Gold A-1000, or accepted equivalent. Follow manufacturer's specifications for use and installation.
- Confirm the absence of reinforcing steel by drilling a 1/4" diameter pilot hole for each anchor. Do not cut reinforcing steel without approval of the Structural Engineer.
- Refer to manufacturer's installation instructions for appropriate drill size. Thoroughly clean hole including removal of dust prior to filling with epoxy.
- Provide anchor embedment, spacing and edge distance as shown on the drawings.
- Threaded rods are A-36 galvanized steel, u.o.n.

EXPANSION ANCHORS:

- Use wedge-type expansion anchors such as the Hilti Kwik Bolt 3, ITW Ramset Red Head Trubolt Wedge, Powers Rawl Power-Stud, Simpson Strong-Tie Wedge-All or accepted equivalent. Follow manufacturer's specifications for use and installation.
- Confirm the absence of reinforcing steel by drilling a 1/4" diameter pilot hole for each anchor. Do not cut reinforcing steel without approval of the Structural Engineer.
- Provide anchor embedment, spacing and edge distance as shown on the drawings.

REINFORCED CONCRETE:

- Comply with ACI 301 and 318.
- Use normal weight concrete for all Structural Members. u.o.n. with a minimum ultimate Compressive Design Strength of 4,000 psi in 28 days.
- Provide ASTM A-615 Grade 60 reinforcing steel. Reinforcing shall be accurately placed, rigidly supported and firmly tied in place, with appropriate bar supports and spacers. Lap bottom steel over supports and top steel at midspan (u.o.n.). Hook discontinuous ends of all top bars and all bars in walls, u.o.n. Provide cover over reinforcing as follows:

Element	bottom	top	sides
Slabs on Grade	2"	1"	2"
- Tension Development Length and Lap Splice Lengths shall be as follows:

d. TENSION DEVELOPMENT LENGTH FOR BARS (IN)			LAP SPLICE LENGTH FOR BARS (IN)		
REBAR	TOP BARS	OTHER BARS	REBAR	TOP BARS	OTHER BARS
#3	19	15	#3	24	19
#4	25	19	#4	32	25
#5	31	24	#5	40	31
#6	37	29	#6	48	37
#7	54	42	#7	70	54
#8	62	48	#8	80	62
#9	70	54	#9	91	70
#10	79	61	#10	102	79
#11	87	67	#11	113	87

(f'c = 4,000 PSI, cover ≥ Db, spacing ≥ 2Db for beams & columns, spacing ≥ 3Db for others bars. Top bars are horizontal bars with more than 12 inches of concrete cast below bars.)

- Where specified, provide plain, cold-drawn electrically-welded wire reinforcement conforming to ASTM A-185. Supply in flat sheets only. Lap splice two cross wire spacing.
- Utilities may pass through slabs, u.o.n. For openings 24" long or less, cut reinforcing and replace alongside opening with splice bars of equivalent area with 48 bar dia. lap. Prepare and submit shop drawings for openings longer than 24". For rectangular openings 12" long or longer, add 1#5 x 6' mid depth diagonal at all 4 corners.
- Provide construction joints in accordance with ACI 318, section 26.5.6 Provide keyways and adequate dowels. Submit drawings showing location of construction joints and direction of pour for review.
- Provide 3/4" chamfer for all exposed corners.
- Provide reinforcing steel placer with a set of Structural Drawings for field reference. Inspect reinforcing steel placing from Structural Drawings.

SHOP DRAWINGS AND OTHER SUBMITTALS:

- Submit specific components, such as columns, footings, etc., in a single package. Submit similar floors together.
- On first submittal, clearly flag and cloud all differences from the contract documents. On resubmittals, flag and cloud all changes and additions to previous submittal; only clouded items will be reviewed.
- Submittals for special structural, load-carrying items that are required by Codes or Standards to resist forces must be prepared by, or under the direct supervision of, a Delegated Engineer. Examples include precast concrete, prefabricated wood components, open web steel joists and joist girders, post-tensioning systems, Tilt-Up panels, structural steel connections, structural light gage steel framing, exterior enclosure systems and shoring and reshoring.
- A Delegated Engineer is defined as a Florida Licensed Engineer who specializes in and undertakes the design of Structural Components or Structural Systems included in a specific submittal prepared for this project and is an employee or officer of, or Consultant to, the Contractor or fabricator responsible for the submittal. The Delegated Engineer shall sign, seal and date the submittal, including calculations and drawings.
- The Trade Contractor is responsible for confirming and correlating dimensions at the job sites, for tolerances, clearances, quantities, fabrication processes and techniques of construction, coordination of the work with other trades and full compliance with the contract documents.
- The General Contractor/Construction Manager shall review and approve submittals and shall sign and date each drawing prior to submitting to the Engineer. This approval is to confirm that the submittal is complete, complies with the submittal requirements and is coordinated with field dimensions, other trades, erection sequencing and constructibility.
- The Structural Engineer reviews submittals to confirm that the submittal is in general conformance with the design concept presented in the contract documents. Quantities and dimensions are not checked. Notations on submittals do not authorize changes to the contract sum. Checking of the submittal by the Structural Engineer shall not relieve the Contractor of responsibility for deviations from the contract documents and from errors or omissions in the submittal.
- In addition to the above, the Structural Engineer's review of Delegated Engineer submittals is limited to verifying that the specified Structural submittal has been furnished, signed and sealed by the Delegated Engineer and that the Delegated Engineer has understood the design intent and used the specified Structural criteria. No detailed check of calculations will be made. The Delegated Engineer is solely responsible for his/her design, including but not limited to the accuracy of his/ her calculations and compliance with the applicable codes and standards.

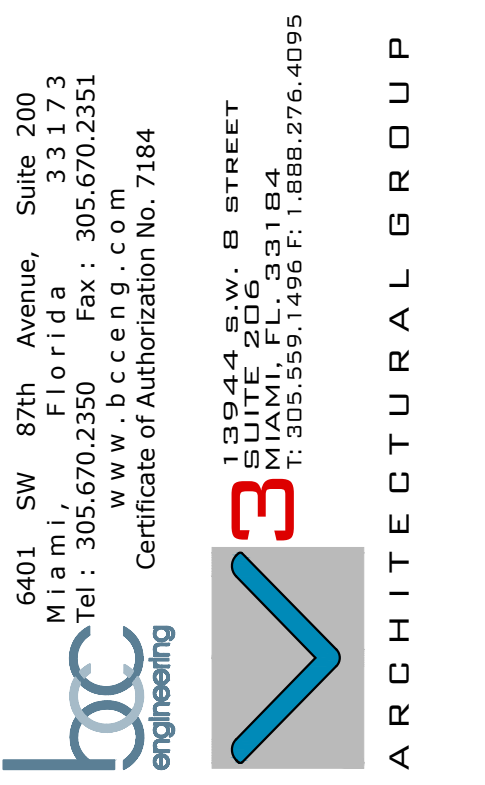
SLABS ON GRADE:

- Above subgrade, use fill containing not more than 10% passing #200 sieve and maximum 1 inch diameter. Compact to 95% of maximum dry density as determined by modified proctor ASTM D-1557. Each layer of fill shall not exceed 6" loose thickness. Compact prior to placement of the next layer.
- Fill placement and compaction shall be monitored and accepted by the testing agency. Take a min. of one field density test (ASTM D-1556 or D-2922) for each 2,500 square feet of each layer. The testing agency shall randomly select test locations.
- Place concrete in long-strip construction method. Provide crack control joints at 15 feet maximum to limit areas between joints to 225 sq. ft. in all floating slabs on grade. Locate to conform to bay spacing whenever possible, add crack control joints at re-entrant corners which tend to invite cracks.

SOIL STATEMENT
SOIL CONDITIONS OBSERVED AT THE SITE LOCATED AT 70 EAST 7TH ST CONSIST OF UNDISTURBED SAND. THE PRESUMED BEARING CAPACITY IS 2000 PSF. ENGINEER OF RECORD WILL VERIFY IF SOIL CONDITIONS DIFFER DURING EXCAVATION. A SIGNED AND SEALED LETTER WILL BE PROVIDED TO THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION SUBSTANTIATING SOIL ASSUMPTIONS.

CONCRETE MASONRY:

- Construct masonry in accordance with TMS 402-16, "Building Code Requirements for Masonry Structures"; and TMS 602-16, "Specifications for Masonry Structures".
- The structure is supported by bearing walls, u.o.n. Erect masonry prior to casting concrete columns within bearing walls or casting beams and slabs supported by bearing walls.
- Use 50% solid, nominal 12"x8"x16" concrete masonry units conforming to ASTM C90. Block net area compressive strength shall be 2,000 psi. Lay up units in running bond. Sawcut units which are not in multiples of 8". Units shall be at least 8" long. Bond corners by lapping ends 8" in successive vertical courses. Design of walls is based on a f'm of 2,000 psi.
- Use type S mortar in accordance with ASTM C270 except use type M mortar below grade. Head and bed joints shall be 3/8" for the thickness of the face shell. Webs are to be fully mortared in all courses of piers, columns and pilasters; in the starting course; and where an adjacent cell is to be grouted. Remove mortar protrusions extending 1/2" or more into cells to be grouted.
- Use standard (9 gauge) horizontal joint reinforcing in every other course. Joint reinforcing and anchors in exterior walls shall conform to ASTM A153 class B2, with a coating thickness of 1.50 oz/sf; conform to ASTM A641 in interior walls. Overlap discontinuous ends 6". Use prefabricated corners and tees. Use truss type, except use ladder type in walls with vertical reinforcing. Extend joint reinforcing a minimum of 4" into tie columns.
- Use fine grout conforming to ASTM C476, with a minimum compressive strength of 2,500 psi in 28 days. Aggregate to conform to ASTM C404 for fine grout, with slump of 8" to 10". Grout all masonry containing reinforcing. All cells of 4 hour rated walls, and where indicated on the drawings. Allow mortar to cure 24 hours prior to grouting. Provide cleanout openings at the base of cells containing reinforcing steel to clean the cell and to tie the vertical bar to the dowel. In high-lift grouting, use 4'-0" (max.) lifts, with 1/2 hour to 1 hour between lifts. Vibrate each lift and reconsolidate the previous lift.
- Use ASTM A-615 grade 60 reinforcing steel. Reinforce walls where indicated on the drawings and at all intersections, each side of openings and at the ends of walls. Use bar spacers at 10 ft. o.c. where grout pour height exceeds 10 ft.
- At bond/tie beam corners and intersections, place 1 #5 x 5'-0" T & B corner bar, with 30" legs each way, at the exterior face.
- Beams not scheduled are min. 8" x 12" tie beams with 2 #5 bars top and bottom and #3 ties spaced at 48" o.c. typical and 4 ties at 12" o.c. at ends and intersections, u.o.n. Columns not scheduled are min. 8" x 12" tie columns with 4 #5 vertical bars and #3 ties at 12" o.c. use 30" lap splices. Hook all bars at discontinuous ends.
- Reinforced masonry wall construction shall be inspected by an Engineer in accordance with TMS 602-16.
- Where anchor bolts, wedge anchors or anchors set in epoxy are set in a masonry wall, fill cells with grout for bolted course, one course above and two courses below.
- Provide lintels or headers with min. 8" bearing over all masonry openings.
- Use pressure-treated wood for wood in contact with masonry.
- Lap splice lengths shall be as follows:
#3 - 16"; #4 - 21"; #5 - 26"
#6 - 43"; #7 - 60"; #8 - 92"

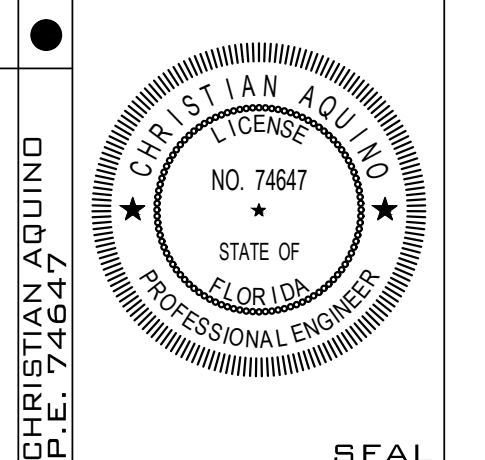


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HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010

DATE:	05.04.20
DESIGNED BY:	CA
DRAWN BY:	KT
REVIEWED BY:	CA
PROJECT NO.:	20-0007

REVISIONS

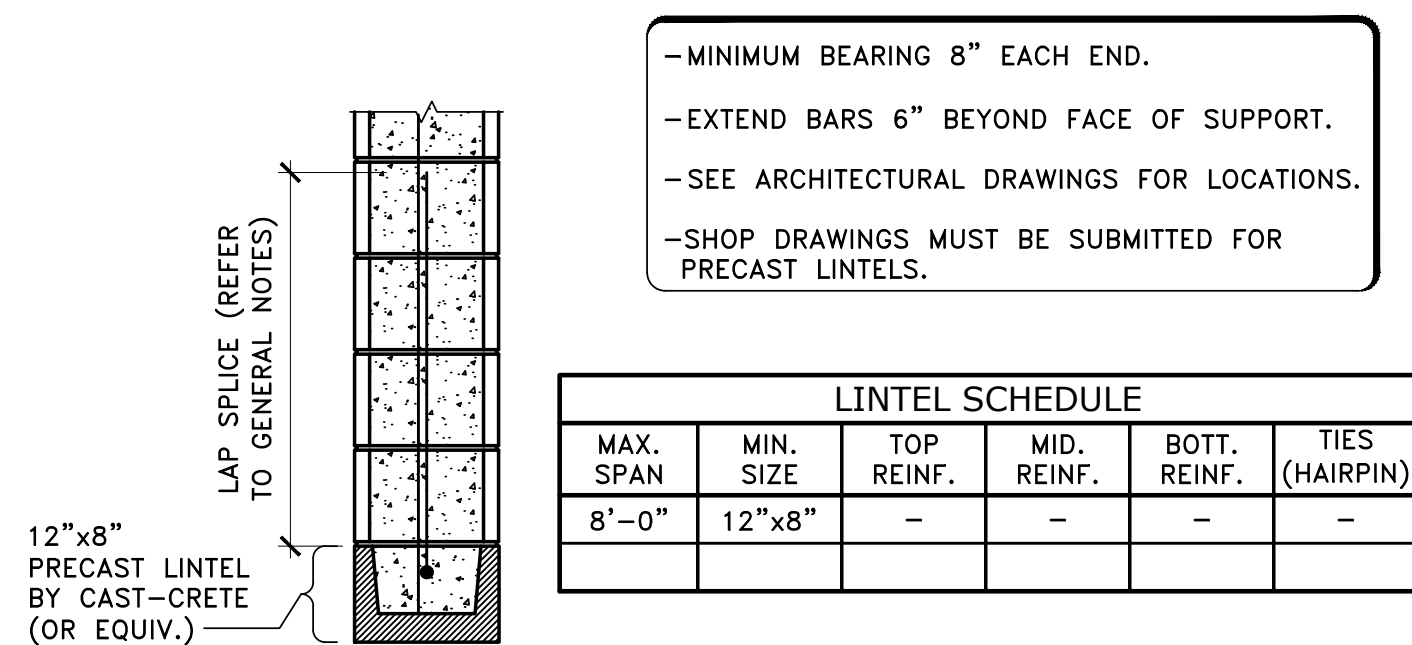


GENERAL NOTES
S 1.0
 CONSTRUCTION DOCUMENT

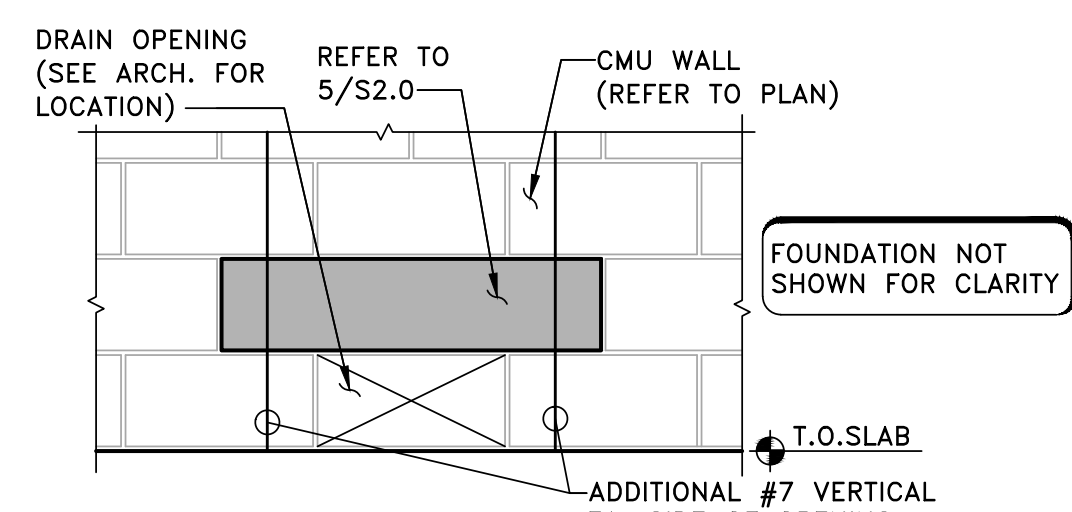
WALL FOOTING SCHEDULE						
MARK	SIZE WxLxD	REINFORCING				REMARKS
		CONTINUOUS		TRANSVERSE		
		BOTTOM	TOP	BOTTOM	TOP	
WF-30	30"xCONT.x12"	(3) #5	-	#4 AT 12"	-	-

MASONRY WALL SCHEDULE						
MARK	THICKNESS	f'm	VERTICAL REINFORCING IN GROUTED CELL	HORIZONTAL REINFORCING	REMARKS	
(W-1)	12"	2,000 psi	#7 @ 40"	No. 9 LADDER TYPE @ 16" O.C.	HOOK VERTICAL REINFORCING INTO CONCRETE CAP	

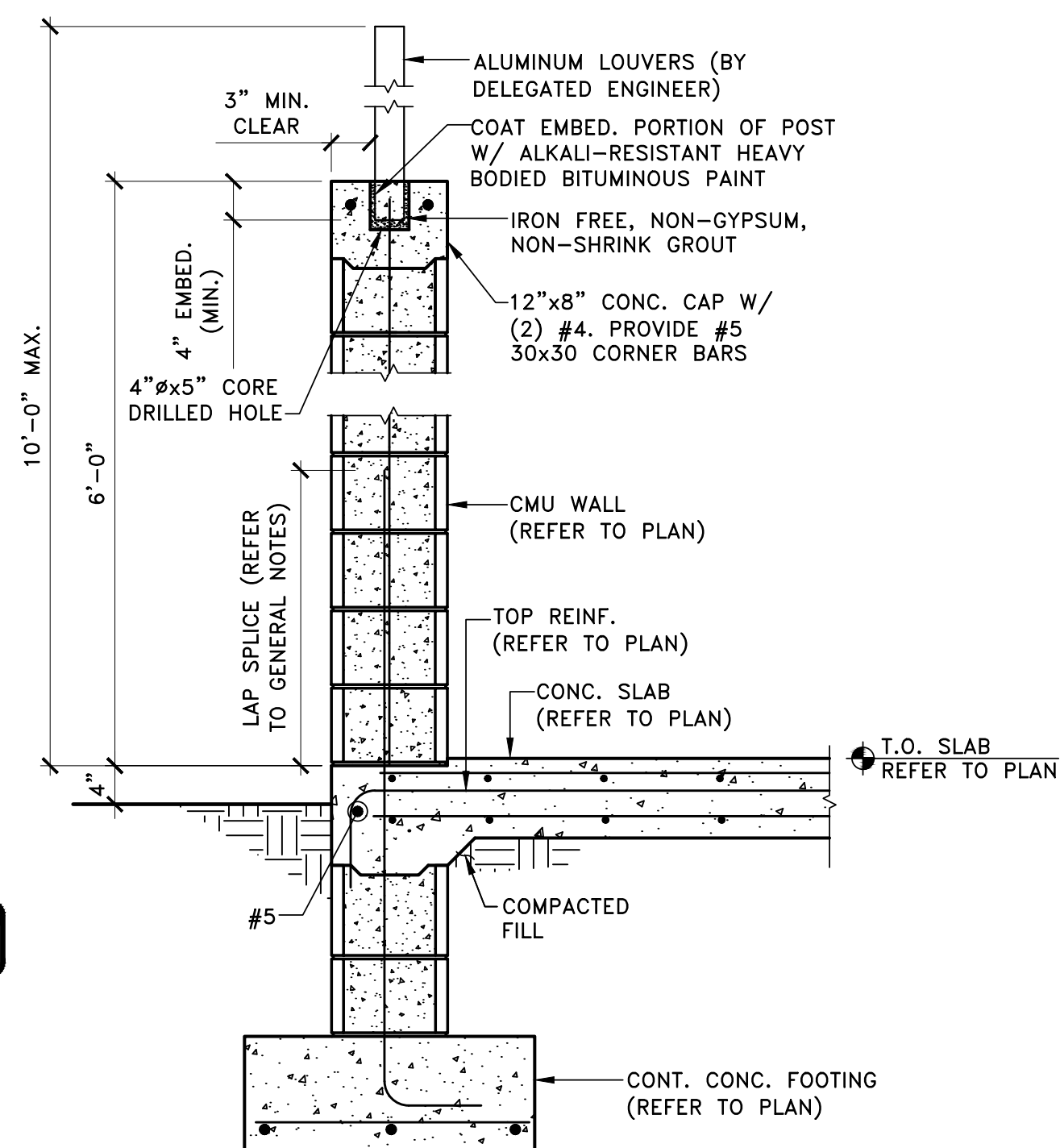
COLUMN SCHEDULE						
MARK	SIZE	REINFORCING			REMARKS	
		DOWELS	VERTICAL	TIES		
		(4) #5	(4) #5	#3 AT 8"		
(TC-1)	8"x12"	(4) #5	(4) #5	#3 AT 8"	-	



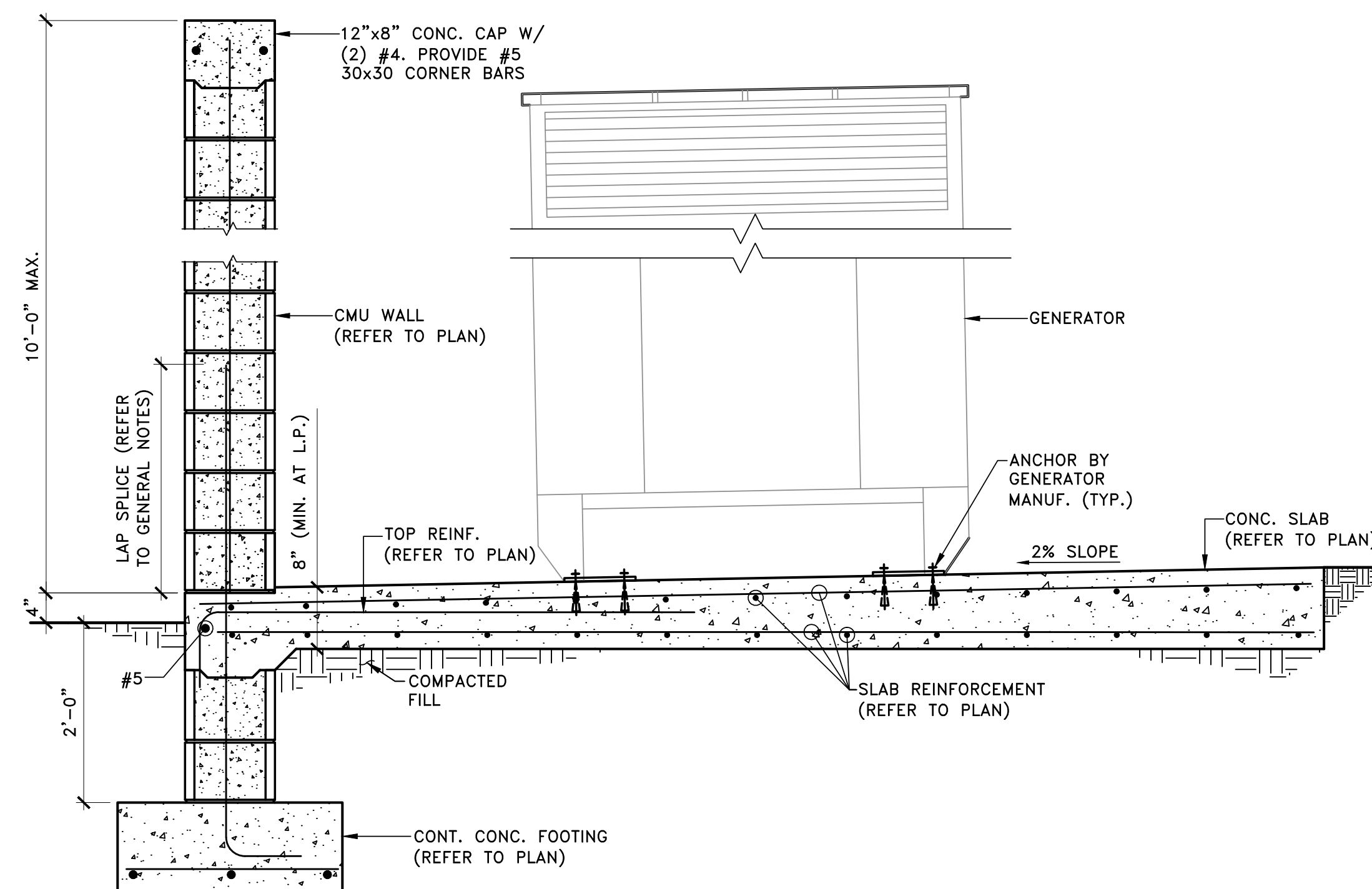
5 LINTEL DETAIL AND SCHEDULE
N.T.S.



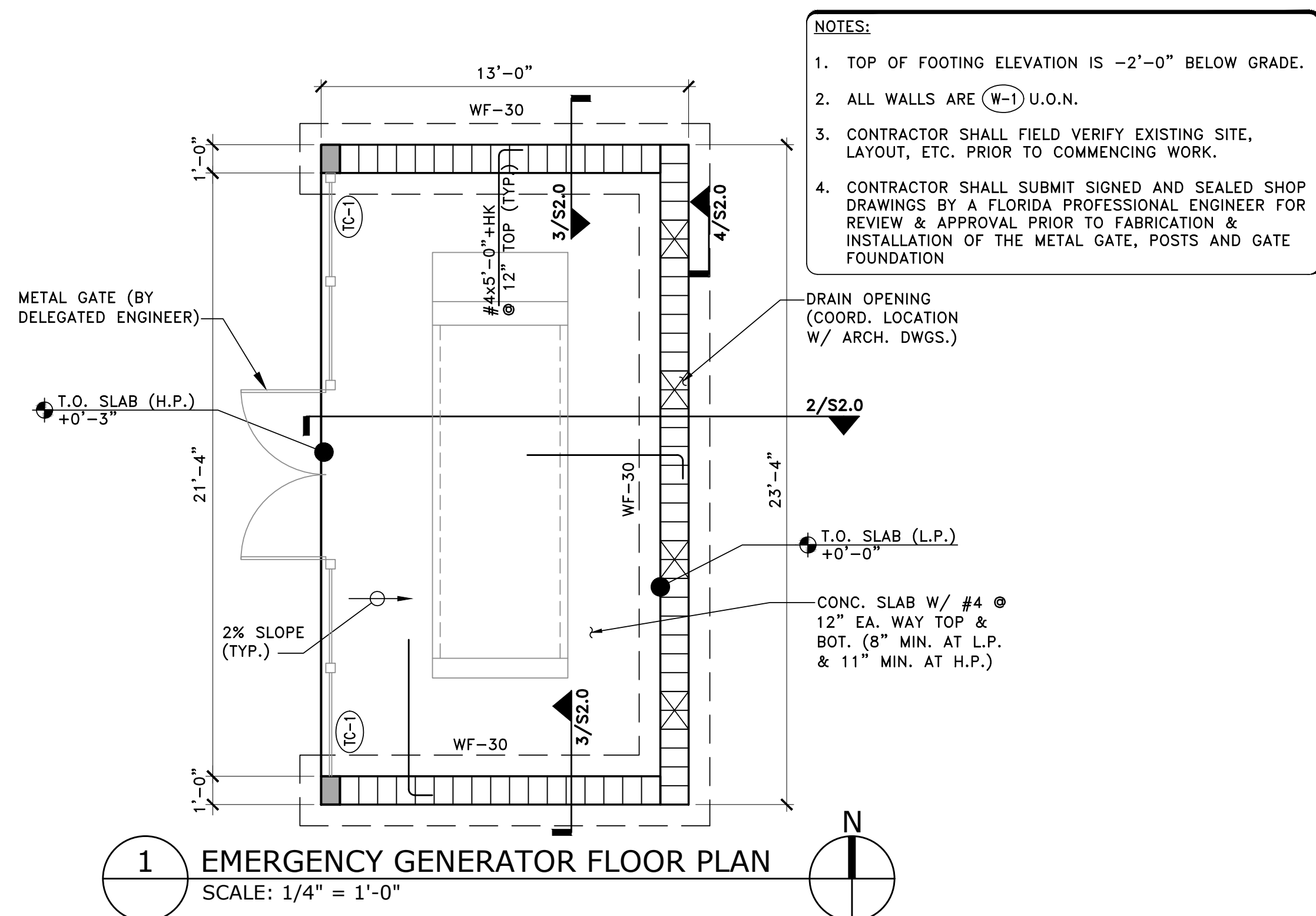
4 DRAIN OPENING DETAIL
SCALE: 3/4" = 1'-0"



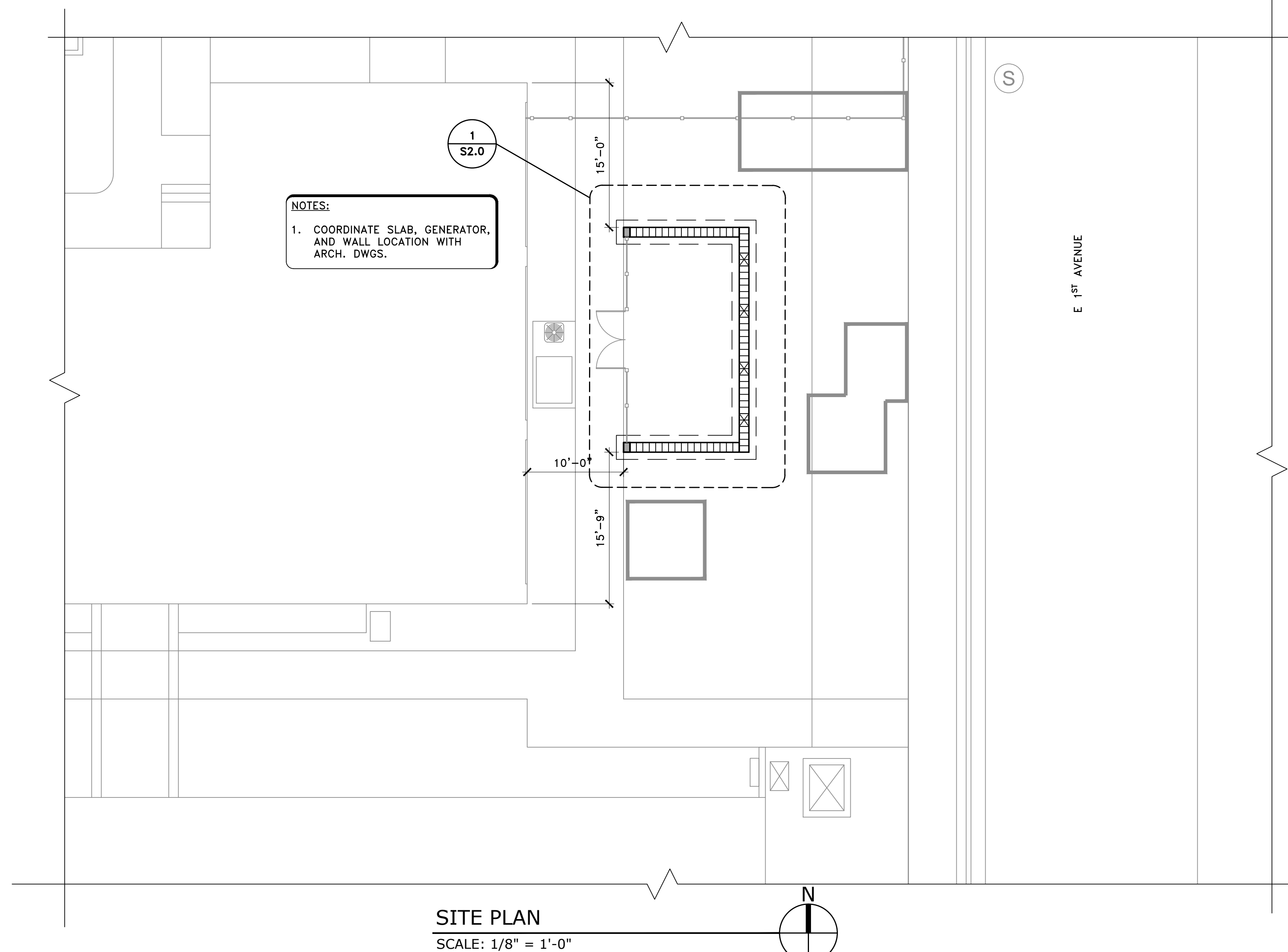
3 EMERGENCY GENERATOR SECTION
SCALE: 3/4" = 1'-0"



2 EMERGENCY GENERATOR SECTION
SCALE: 3/4" = 1'-0"



- NOTES:
- TOP OF FOOTING ELEVATION IS -2'-0" BELOW GRADE.
 - ALL WALLS ARE (W-1) U.O.N.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING SITE, LAYOUT, ETC. PRIOR TO COMMENCING WORK.
 - CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS BY A FLORIDA PROFESSIONAL ENGINEER FOR REVIEW & APPROVAL PRIOR TO FABRICATION & INSTALLATION OF THE METAL GATE, POSTS AND GATE FOUNDATION



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HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010

DATE: 05.04.20
DESIGNED BY: CA
DRAWN BY: KT
REVIEWED BY: CA
PROJECT NO.: 20-0007

REVISIONS

NO.	DESCRIPTION

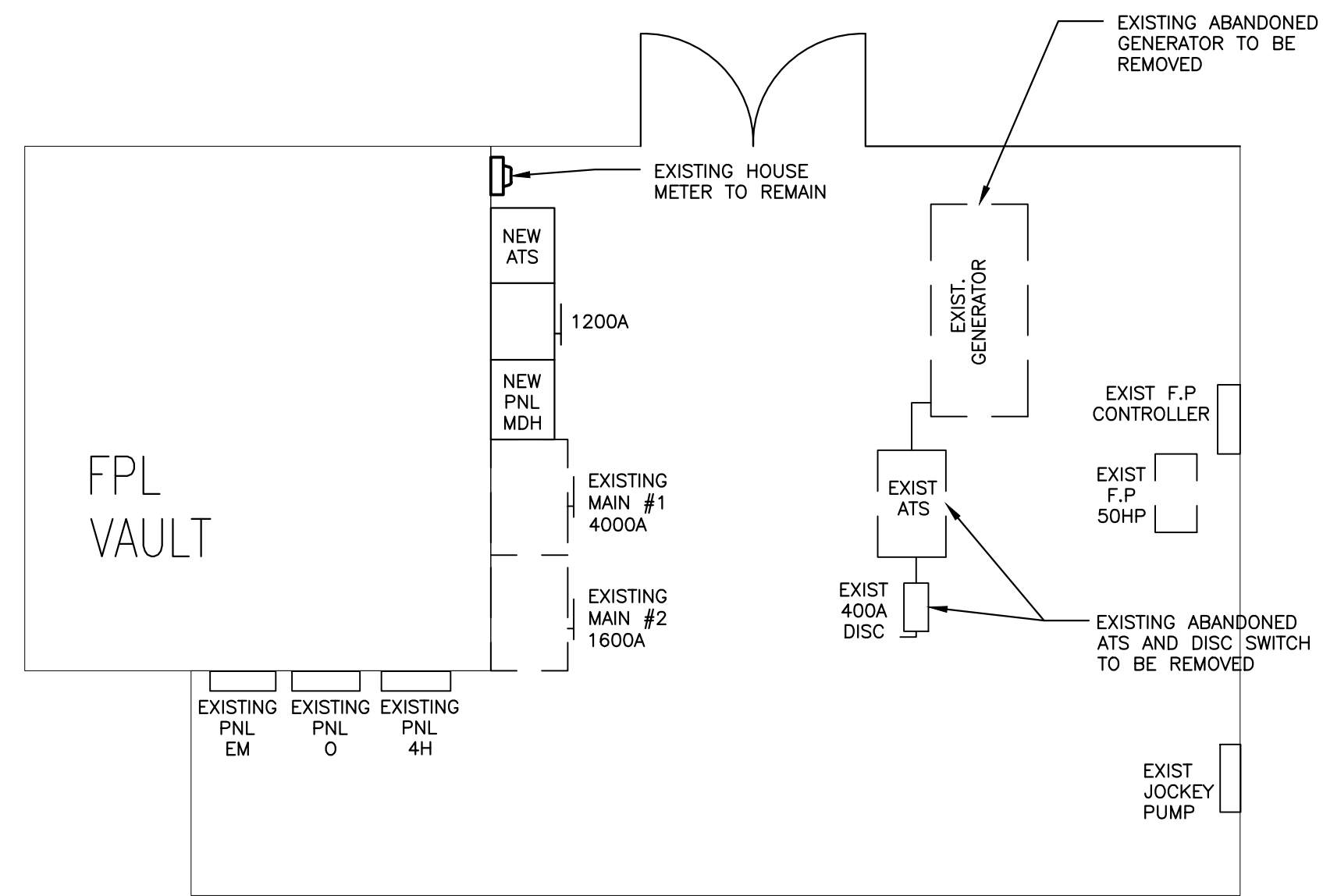
CHRISTIAN AQUINO
P.E. 74647

CHRISTIAN AQUINO
LICENSE
NO. 74647
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SEAL

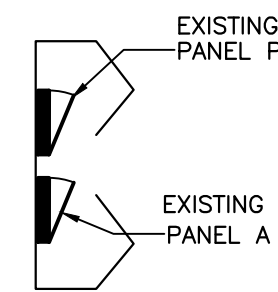
FLOOR PLAN
& DETAILS

S2.0
CONSTRUCTION
DOCUMENT



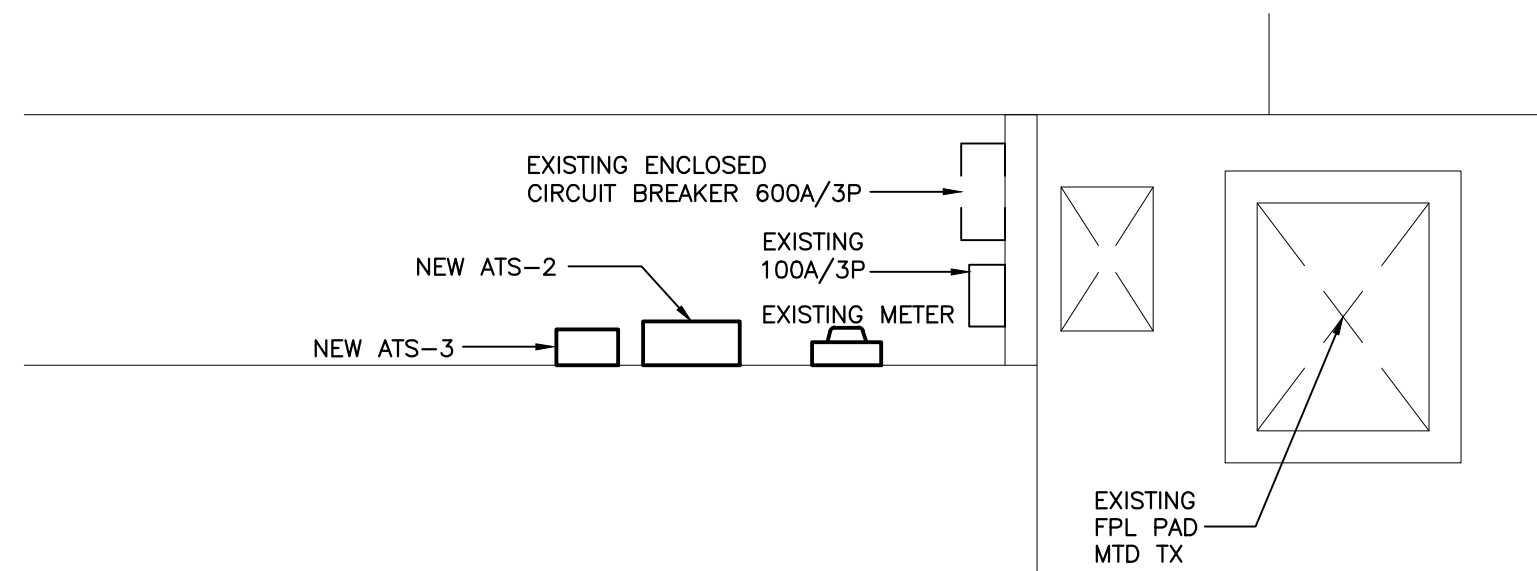
MAIN ELECTRICAL ROOM - ASHLEY BLDG

SCALE: 1/4" = 1'-0"



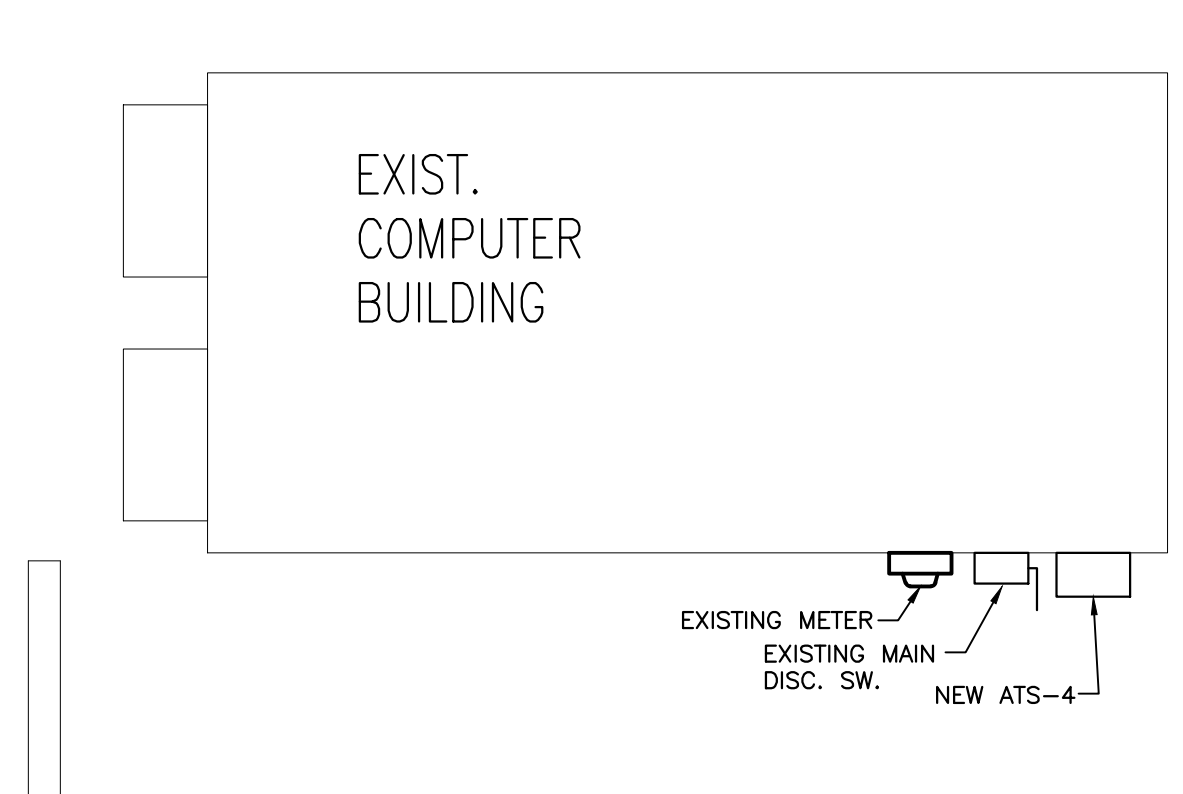
ELECTRICAL CLOSET - ADMINISTRATION BLDG

SCALE: 1/4" = 1'-0"



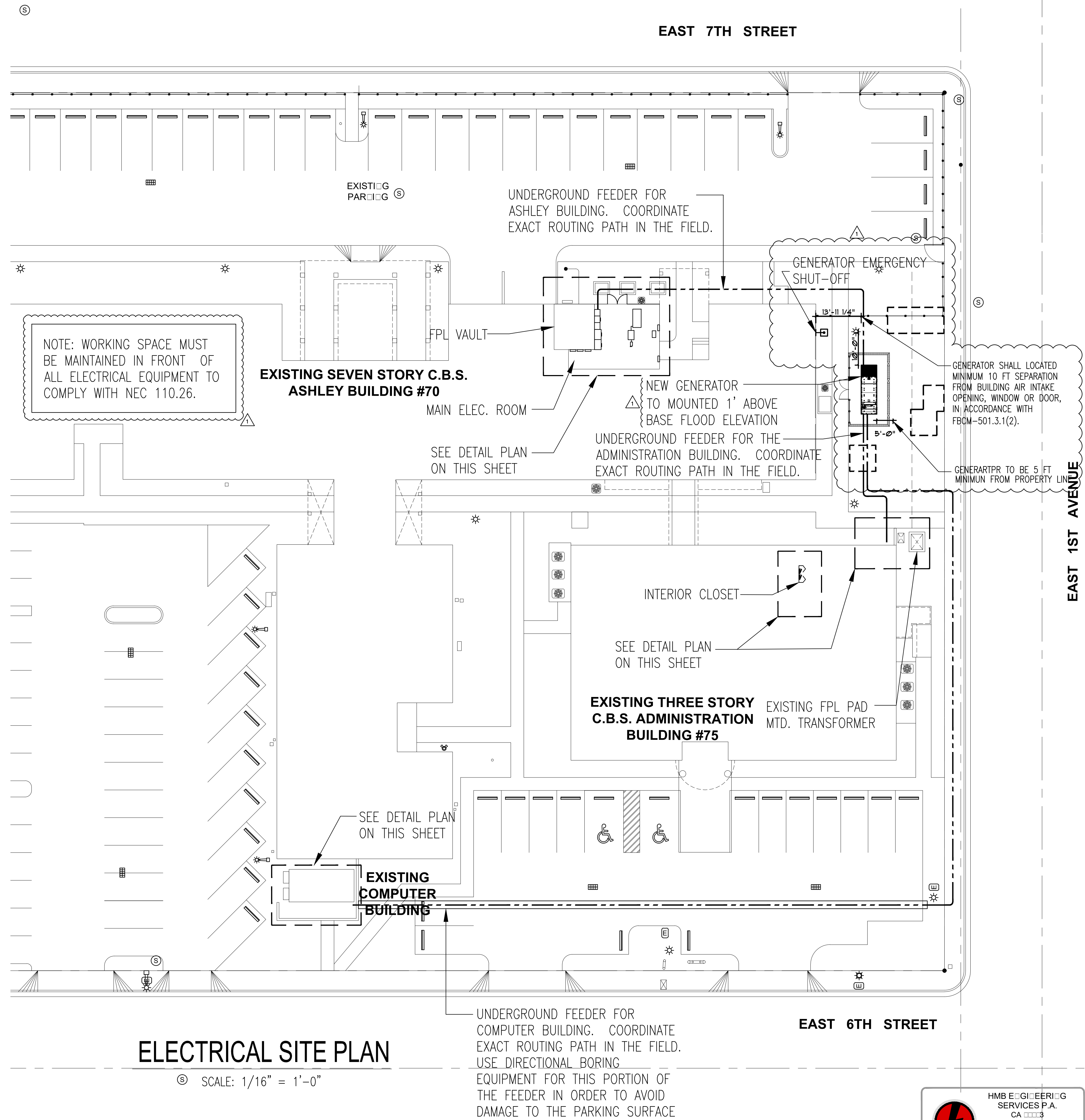
PARTIAL SITE PLAN - ADMINISTRATION BLDG

SCALE: 1/4" = 1'-0"



PARTIAL SITE PLAN - COMPUTER BUILDING

SCALE: 1/4" = 1'-0"



ELECTRICAL SITE PLAN

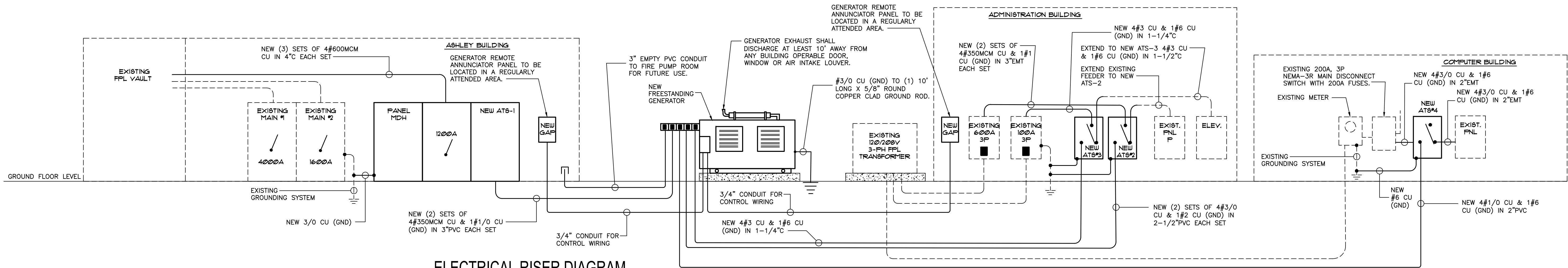
SCALE: 1/16" = 1'-0"

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**HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010**

DATE:	05.04.20
DESIGNED BY:	MDF
DRAWN BY:	TM
REVIEWED BY:	MDF
PROJECT NO.:	HMB 2020 020
REVISIONS	
1	7-31-2020 BDC

HMB ENGINEERING SERVICES P.A.
CA 0003
Hector M. Blasco P.E.
Reg. 000000
3300 SW 11th Lane
Miami FL 33135
Phone 305.551.1487



ELECTRICAL RISER DIAGRAM
N.T.S.

GENERATOR SPECIFICATIONS

- GENERAC MODEL #52115
- POWERED GENERATOR SET 120 C RISE STANDBY RATING 275kW / 343.8kVA
- 120/208 VAC 3 PHASE 4 WIRE 60 HZ @ 1894 RPM
- GENERATOR SET SHALL INCLUDE THE FOLLOWING:
 - (1) 750AMP, 3 POLE UNIT MOUNTED MAGNETIC ONLY CIRCUIT BREAKER FOR FUTURE 50 HP FIRE PUMP
 - (1) 600AMP, 3 POLE UNIT MOUNTED CIRCUIT BREAKER FOR ATS-1
 - (1) 400AMP, 3 POLE UNIT MOUNTED CIRCUIT BREAKER FOR ATS-2
 - (1) 100AMP, 3 POLE UNIT MOUNTED CIRCUIT BREAKER FOR ATS-3
 - (1) 100AMP, 2 POLE UNIT MOUNTED CIRCUIT BREAKER FOR ATS-4
 - LEVEL 2 SOUND ATTENUATED HURRICANE WIND RATED WEATHER PROOF ENCLOSURE
 - CRITICAL GRADE SILENCER
 - UL2000 APPROVED
 - SAFEGUARD BREAKER
 - UNIT MOUNTED RADIATOR 50 DEGREE C. AMBIENT
 - LOW COOLANT LEVEL SHUTDOWN
 - BLOCK HEATER 208 VOLT
 - NFPA 110 REMOTE ANNUNCIATOR PANELS
- CONTROLLER:
 - NFPA 110 DIGITAL CONTROL PANEL
 - VM/AM SELECTOR SWITCH
 - INDIVIDUAL FAULT LAMPS FOR:
 - HIGH ENGINE TEMPERATURE
 - LOW OIL PRESSURE
 - OVERSPEED
 - OVERCRANK
 - SWITCH NOT IN AUTO
 - SYSTEM READ
 - BATTERY LOW VOLTAGE, BATTERY CHARGER FAULT
 - PRE-ALARM SENDERS TO INCLUDE:
 - PRE-HIGH WATER TEMPERATURE
 - PRE-LOW OIL PRESSURE
 - ALARM HORN
 - OVER VOLTAGE PROTECTION
 - OIL PRESSURE GAUGE
 - BATTERY CHARGING VOLT METER
 - RUNNING TIME METER
 - COOL DOWN TIMER
 - ENGINE PRE-ALARM
 - ELECTRONIC ISOCRONOUS GOVERNOR
 - VIBRATION ISOLATORS BETWEEN ENGINE / GENERATOR AND STEEL BASE
 - BATTERY RACK 4 CABLES
 - 2 EACH 12 VOLT HEAVY DUTY DIESEL STARTING BATTERIES
 - BATTERY CHARGER 10 AMP DUAL RATE WITH NFPA 110 ALARM CONTACTS
 - OIL DRAIN EXTENSION WITH VALVE
 - REMOTE STOP BREAKGLASS
 - START-UP BY FACTORY TRAINED TECHNICIAN
 - 1 LOT LUBE OIL AND COOLANT
 - NFPA-110 LOAD TEST AT SITE

NOTE: CONTRACTOR SHALL FIELD VERIFY CONNECTION TO UTILITY AND CONNECTION TO THE LOAD ON PANEL MDH BEFORE EQUIPMENT PURCHASE.

AUTOMATIC TRANSFER SWITCH #1 SPECIFICATIONS

- 65KAIC, 120/208V 3-PHASE, 1200 AMP CUSTOM MADE AUTOMATIC TRANSFER SWITCH WITH DISTRIBUTION SECTION - MDH REFER TO PANEL MDH SCHEDULE, 4 POLE, 4 WIRE, AND NEMA 1 ENCLOSURE BY EATON WITH MICROPROCESSOR CONTROLLER WITH:
 - SERVICE ENTRANCE RATED
 - TIME DELAY ENGINE START
 - TIME DELAY ON TRANSFER
 - TIME DELAY ON RE-TRANSFER TO NORMAL
 - TIME DELAY NEUTRAL
 - TIME DELAY ENGINE COOL DOWN
 - MINIMUM RUN TIMER
 - SWITCH POSITION INDICATION LAMPS
 - POWER AVAILABLE INDICATOR LAMPS
 - NOT IN AUTOMATIC INDICATOR LAMP
 - AUXILIARY CONTACTS SOURCE AVAILABLE
 - AUXILIARY CONTACTS SWITCH POSITION
 - AUXILIARY CONTACTS TROUBLE CONDITION
 - CLOSE DIFFERENTIAL UNDERVOLTAGE SENSING NORMAL
 - SINGLE PHASE PROTECTION
 - VOLTAGE AND FREQUENCY RELAY EMERGENCY
 - 4 SELECTABLE OPERATING MODES
 - LOAD NO LOAD EXERCISE FUNCTION
 - REAL TIME CLOCK
 - FIELD ADJUSTABILITY OF ALL TIMERS
 - KEYPAD DISABLE FUNCTION
 - SURGE PROTECTION BOTH SOURCES.

NOTE: THE NEW GENERATOR SHALL BE MONITORED BY THE EXISTING BUILDING FIRE ALARM SYSTEM, FOR GENERATOR RUNNING AND GENERATOR TROUBLE.

AUTOMATIC TRANSFER SWITCH #2 SPECIFICATIONS

- 65KAIC, 120/208V 3-PHASE, 600 AMP AUTOMATIC TRANSFER SWITCH, 4 POLE, 4 WIRE, AND NEMA 3R ENCLOSURE BY EATON WITH MICROPROCESSOR CONTROLLER WITH:
 - TIME DELAY ENGINE START
 - TIME DELAY ON TRANSFER
 - TIME DELAY ON RE-TRANSFER TO NORMAL
 - TIME DELAY NEUTRAL
 - TIME DELAY ENGINE COOL DOWN
 - MINIMUM RUN TIMER
 - SWITCH POSITION INDICATION LAMPS
 - POWER AVAILABLE INDICATOR LAMPS
 - NOT IN AUTOMATIC INDICATOR LAMP
 - AUXILIARY CONTACTS SOURCE AVAILABLE
 - AUXILIARY CONTACTS SWITCH POSITION
 - AUXILIARY CONTACTS TROUBLE CONDITION
 - CLOSE DIFFERENTIAL UNDERVOLTAGE SENSING NORMAL
 - SINGLE PHASE PROTECTION
 - VOLTAGE AND FREQUENCY RELAY EMERGENCY
 - 4 SELECTABLE OPERATING MODES
 - LOAD NO LOAD EXERCISE FUNCTION
 - REAL TIME CLOCK
 - FIELD ADJUSTABILITY OF ALL TIMERS
 - KEYPAD DISABLE FUNCTION
 - SURGE PROTECTION BOTH SOURCES.

AUTOMATIC TRANSFER SWITCH #3 SPECIFICATIONS

- 65KAIC, 120/208V 3-PHASE, 600 AMP AUTOMATIC TRANSFER SWITCH, 4 POLE, 4 WIRE, AND NEMA 3R ENCLOSURE BY EATON WITH MICROPROCESSOR CONTROLLER WITH:
 - TIME DELAY ENGINE START
 - TIME DELAY ON TRANSFER
 - TIME DELAY ON RE-TRANSFER TO NORMAL
 - TIME DELAY NEUTRAL
 - TIME DELAY ENGINE COOL DOWN
 - MINIMUM RUN TIMER
 - SWITCH POSITION INDICATION LAMPS
 - POWER AVAILABLE INDICATOR LAMPS
 - NOT IN AUTOMATIC INDICATOR LAMP
 - AUXILIARY CONTACTS SOURCE AVAILABLE
 - AUXILIARY CONTACTS SWITCH POSITION
 - AUXILIARY CONTACTS TROUBLE CONDITION
 - CLOSE DIFFERENTIAL UNDERVOLTAGE SENSING NORMAL
 - SINGLE PHASE PROTECTION
 - VOLTAGE AND FREQUENCY RELAY EMERGENCY
 - 4 SELECTABLE OPERATING MODES
 - LOAD NO LOAD EXERCISE FUNCTION
 - REAL TIME CLOCK
 - FIELD ADJUSTABILITY OF ALL TIMERS
 - KEYPAD DISABLE FUNCTION
 - SURGE PROTECTION BOTH SOURCES.

AUTOMATIC TRANSFER SWITCH #4 SPECIFICATIONS

- 65KAIC, 120/208V 3-PHASE, 200 AMP AUTOMATIC TRANSFER SWITCH, BY EATON 4 POLE, 4 WIRE, AND NEMA 3R ENCLOSURE BY EATON WITH MICROPROCESSOR CONTROLLER WITH:
 - TIME DELAY ENGINE START
 - TIME DELAY ON TRANSFER
 - TIME DELAY ON RE-TRANSFER TO NORMAL
 - TIME DELAY NEUTRAL
 - TIME DELAY ENGINE COOL DOWN
 - MINIMUM RUN TIMER
 - SWITCH POSITION INDICATION LAMPS
 - POWER AVAILABLE INDICATOR LAMPS
 - NOT IN AUTOMATIC INDICATOR LAMP
 - AUXILIARY CONTACTS SOURCE AVAILABLE
 - AUXILIARY CONTACTS SWITCH POSITION
 - AUXILIARY CONTACTS TROUBLE CONDITION
 - CLOSE DIFFERENTIAL UNDERVOLTAGE SENSING NORMAL
 - SINGLE PHASE PROTECTION
 - VOLTAGE AND FREQUENCY RELAY EMERGENCY
 - 4 SELECTABLE OPERATING MODES
 - LOAD NO LOAD EXERCISE FUNCTION
 - REAL TIME CLOCK
 - FIELD ADJUSTABILITY OF ALL TIMERS
 - KEYPAD DISABLE FUNCTION
 - SURGE PROTECTION BOTH SOURCES.

NOTE: Services with multiple disconnecting means enclosures must be grounded in compliance with NEC 250.64(0) (1).

A common grounding electrode conductor and grounding electrode conductor taps shall be installed. A grounding electrode conductor tap conductor shall extend to the inside of each service disconnecting means enclosure. The tap conductors shall be connected to the common grounding electrode conductor by exothermic welding or with non-reversible connectors listed as grounding and bonding equipment. The common grounding electrode conductor shall be sized per NEC 250.66 based on the sum of the circular mil area of the largest ungrounded service-entrance conductor(s). The tap conductors shall be sized per NEC 250.66 based on the largest conductor serving the individual enclosure. (These provisions effectively prohibit the grounding of a service with multiple disconnecting means in the line gutter.)

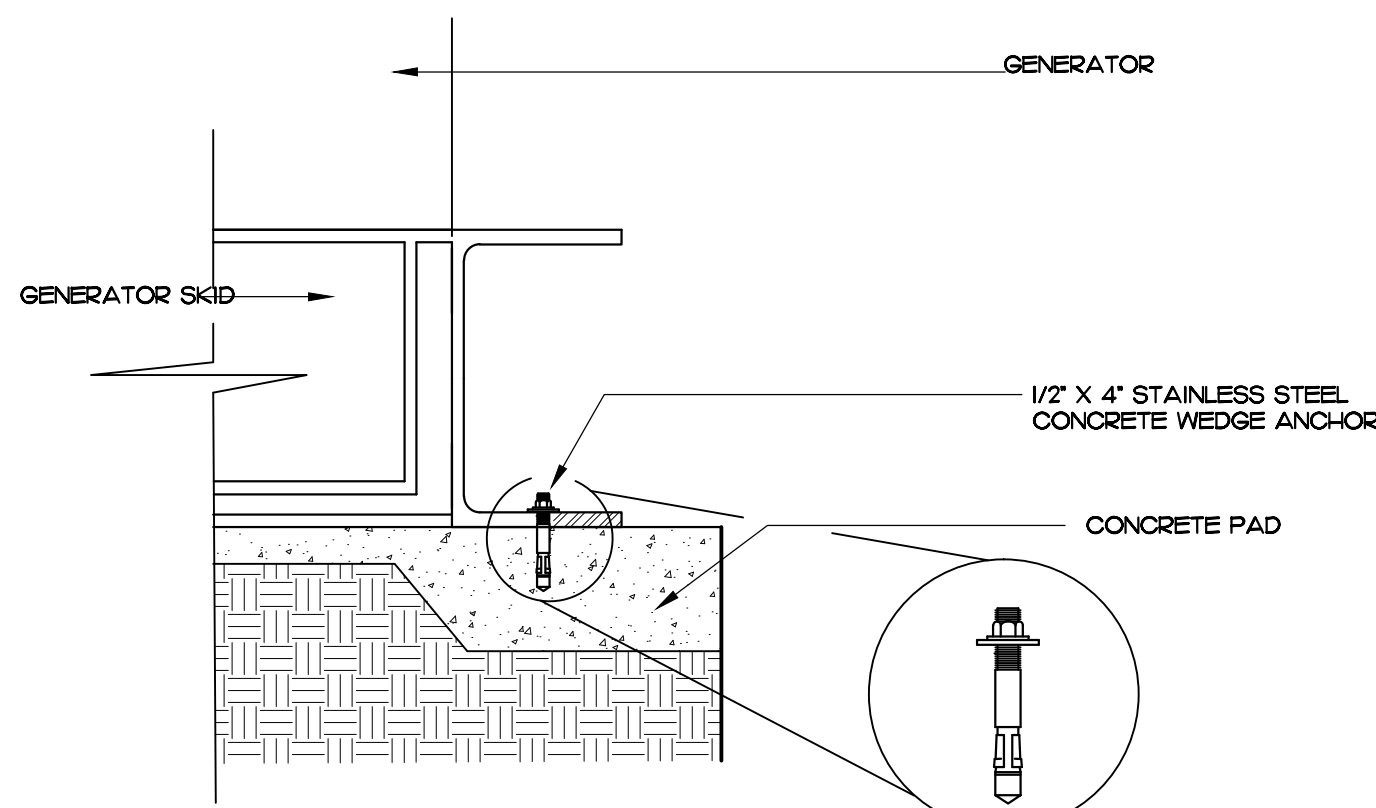
All terminations of or taps from the grounding electrode conductor must be made with connectors listed for grounding and bonding, or be performed by exothermic welding, NEC 250.30(A)(6)(c).

NOTE: THE GENERATOR AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NFPA 110.

NEW PANEL	AMPS	PHASE	VOLTAGE	MAIN AMPS	TYPE	KAIC	MOUNTING	LOCATION	NEMA TYPE	CATALOG NUMBER		
MDH	1200	3	120/208	1200	-	65	-	-	NEMA-1	ATS-1 SWITCHBOARD		
CKT. NO.	BREAKER			SERVING	WIRE THWN CU	CONDUIT INCH	CONNECTED LOAD AMPS					
	POLE	AMPS RATING	TYPE				L1	L2	L3	NEUTRAL		
1	3	30	-	SPACE	-	-	-	-	-	-		
2	3	30	-	SPACE	-	-	-	30	30	30	15	
3	3	30	-	EXIST. SPRINKLER	-	-	-	12	12	12	-	
4	3	60	-	EXIST. PNL 0	-	-	-	30	30	30	15	
5	3	200	-	EXIST. PNL HI	-	-	-	70	70	70	30	
6	3	200	-	EXIST. PNL H4	-	-	-	80	80	80	41	
7	3	200	-	EXIST. PNL AG2	-	-	-	75	75	75	31	
8	3	200	-	SPACE	-	-	-	-	-	-	-	
9	3	400	-	EXIST. PNL H2, H3, H6	-	-	-	120	120	120	50	
10	3	100	-	EXIST. PNL EM	-	-	-	42	42	42	23	
11	3	-	-	SPACE	-	-	-	-	-	-	-	
12	3	200	-	EXIST. ELEVATOR	-	-	-	120	120	120	-	
TOTAL LOAD									*160	*160	*160	*160

NOTE: CONTRACTOR SHALL FIELD VERIFY THE OCP SIZE FOR EACH LOAD ON NEW PANEL MDH MATCHES THE OCP SIZE OF THE EXISTING PANEL MDH TO BE DEMOLISHED, BEFORE EQUIPMENT PURCHASE.

* LOAD BASED MAXIMUM DEMAND DATA AVAILABLE FOR ONE YEAR, THE MONTH OF AUGUST-SEPTEMBER 2019. (FPL ELECTRIC STATEMENT, SEE COPY OF STATEMENT ON SHEET E-3) AS PER NEC ARTICLE 220.87



GENERATOR & AST ANCHORING DETAIL
N.T.S.

NOTE: THE GENERATOR SHALL HAVE A NFPA 110 CLASSIFICATION OF:

LEVEL 2
CLASS 6
TYPE 10

NOTE: PROVIDE A PERMANENT SIGN AT THE SERVICE EQUIPMENT, INDICATING THE TYPE AND LOCATION OF THE STANDBY GENERATOR.

**HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010**

DATE: 05.04.20
DESIGNED BY: MDF
DRAWN BY: TM
REVIEWED BY: MDF
PROJECT NO.: HMB 2020 020

REVISIONS		
1	7-31-2020	BDC

HMB ENGINEERING SERVICES P.A.
CA 033
Hector M. Blasco P.E.
Reg 00000
033 SW Lane
Miami FL 33000
Phone 0000000000

CONSTRUCTION DOCUMENT

Account number: 74563-27582
Statement date: Sep 05 2019
Next meter reading: Oct 04 2019

your last bill	Payments (-)	Additional activity (+ or -)	Balance before new charges (=)	New charges (+)	Total amount you owe (=)	New charges due by
2,211.82	2,211.82 CR	0.00	0.00	2,280.71	\$2,280.71	Sep 26 2019

Meter reading - Meter KU03040
Current reading 17287
Previous reading -17080
kWh constant x 120
kWh used 24840

Enroll now in FPL Budget Billing by paying \$2,099.82 in 1 payment by the due date instead of \$2,280.71. Your bill will be about the same each month & stabilized year-round. Learn more at FPL.com/bb

Amount of your last bill 2,211.82
Payment received - Thank you 2,211.82 CR
Balance before new charges \$0.00

New charges (Rate: GSD-1 GENERAL SERVICE DEMAND)
Electric service amount 2,100.70**
Gross receipts tax 53.86
Franchise charge 126.15
Total new charges \$2,280.71

Total amount you owe \$2,280.71

Customer service: (305) 442-0388
Outside Florida: 1-800-226-3545
To report power outages: 1-800-4OUTAGE (468-8243)
Hearing/speech impaired: 711 (Relay Service)
Online at: www.FPL.com

MARK WET
Proj 3
Ashley
Holland
Vivian
Hoffman
D.Scott
Milander
Esper
Bright V.
Dale B.
Proj.16
Ruth T.
Proj.21
TOTAL PH

Administration Building (September)

RECEIVED AS

Charge Account	Debit
02-001- 4320000-5	6,942.33
03-001- 4320000-5	851.47
04-001- 4320000-5	-
05-001- 4320000-5	-
09-004- 4320000-5	-
10-002-4320000-5	-
13-001- 4320000-5	-
20-001- 4320000-5	-
	7,793.80

Account number: 48889-70615
Statement date: Aug 29 2019
Next meter reading: Sep 12 2019

Payments (-)	Additional activity (+ or -)	Balance before new charges (=)	New charges (+)	Total amount you owe (=)	New charges due by
1,529.42 CR	0.00	0.00	1,602.55	\$1,602.55	Sep 03 2019

Meter reading - Meter KU77073
Current reading 06983
Previous reading -06904
kWh constant x 240
kWh used 18960

Enroll now in FPL Budget Billing by paying \$1,499.67 in 1 payment by the due date instead of \$1,602.55. Your bill will be about the same each month & stabilized year-round. Learn more at FPL.com/bb

Amount of your last bill 1,529.42
Payment received - Thank you 1,529.42 CR
Balance before new charges \$0.00

New charges (Rate: GSD-1 GENERAL SERVICE DEMAND)
Electric service amount 1,474.67**
Gross receipts tax 37.81
Franchise charge 90.07
Total new charges \$1,602.55

Total amount you owe \$1,602.55

Customer service: (305) 442-0388
Outside Florida: 1-800-226-3545
To report power outages: 1-800-4OUTAGE (468-8243)
Hearing/speech impaired: 711 (Relay Service)
Online at: www.FPL.com

RECEIVED AS

Account number: 43013-02438
Statement date: Oct 2019
Next meter reading: Nov 12 2019

Payments (-)	Additional activity (+ or -)	Balance before new charges (=)	New charges (+)	Total amount you owe (=)	New charges due by
493.85 CR	0.00	0.00	530.39	\$530.39	Nov 04 2019

Meter reading - Meter AC03774
Current reading 44385
Previous reading -09139
kWh used 5396

Enroll now in FPL Budget Billing by paying \$392.81 in 1 payment by the due date instead of \$530.39. Your bill will be about the same each month & stabilized year-round. Learn more at FPL.com/bb

Amount of your last bill 493.85
Payment received - Thank you 493.85 CR
Balance before new charges \$0.00

New charges (Rate: GS-1 GENERAL SVC NON-DEMAND / BUSINESS)
Electric service amount 488.52**
Gross receipts tax 12.53
Franchise charge 29.34
Total new charges \$530.39

Total amount you owe \$530.39

Customer service: (305) 442-0388
Outside Florida: 1-800-226-3545
To report power outages: 1-800-4OUTAGE (468-8243)
Hearing/speech impaired: 711 (Relay Service)
Online at: www.FPL.com

BUNKER (October)

RECEIVED AS

REVISIONS

PART 1 - GENERAL

- GENERAL: THE GENERAL AND SPECIAL CONDITIONS AND REQUIREMENTS OF THE CONTRACT AND SPECIFICATIONS AS WELL AS PLANS AND SPECIFICATIONS OF OTHER DISCIPLINES AND TRADES SHALL APPLY AND BE PART OF THE WORK HEREBY SPECIFIED. THESE SPECIFICATIONS AND THE ACCOMPANYING PLANS ARE INTENDED TO PROVIDE FOR THE COMPLETE FURNISHING AND INSTALLATION OF THE ELECTRICAL SYSTEMS. "PROVIDE" MEANS "FURNISH AND INSTALL".
- COMPLIANCE: WORKMANSHIP, MATERIALS AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF NFPA, NFPA 70E 2017 6TH EDITION, NEC 2014, ASTM, OSHA, HRS, HEALTH AGENCIES, AND OTHER APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND PERTAINING REGULATIONS ESTABLISHED BY RULING AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL ALSO MEET OTHER RECOGNIZED STANDARDS AND REQUIREMENTS WHERE SUCH ARE MORE STRINGENT THAN THOSE CITED ABOVE.
- WORKMANSHIP: ALL WORK SHALL BE PERFORMED BY CONTRACTORS LICENSED IN THEIR RESPECTIVE DISCIPLINES. WORK SHALL BE DONE IN A FIRST CLASS MANNER, FULLY OPERATIVE, AND TO THE ACCEPTANCE OF THE ARCHITECT/ENGINEER. CONTRACTOR SHALL PROVIDE FOR ALL NECESSARY LABOR AND MATERIALS REQUIRED FOR COMPLETION OF THE WORK INCLUDING BUT NOT LIMITED TO CONNECTIONS TO RELATED WORK SUCH AS CONNECTION TO EXISTING SYSTEMS, EXCAVATIONS AND BACKFILLING.
- MATERIALS: CONTRACTOR SHALL PROVIDE ALL NEW MATERIALS OF AMERICAN MANUFACTURE, BEARING THE UNDERWRITER'S LABORATORY (UL) LABEL. AS APPLICABLE, MATERIALS SHALL BE ACCEPTABLE AND ABOVE STANDARD QUALITY NORMALLY USED FOR THE PURPOSE AS CALLED FOR ON PLANS. SUPPLEMENTAL MATERIALS, PRODUCTS AND COMPONENTS NECESSARY TO COMPLY WITH THE INTENT OF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, BUT NOT NOTED OR SPECIFIED ON THESE SECTIONS, SHALL BE PROVIDED BY CONTRACTOR AS REQUIRED FOR COMPLETION OF THE WORK AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISIONS AND COORDINATION OF DELIVERY OF MATERIALS. EQUIPMENT MARKED DURING SHIPMENT OR INSTALLATION SHALL BE TOUCHED UP AND REFINISHED TO FACTORY FINISH, REPLACED WHERE NOT ACCEPTABLE.
- PERMITS & INSURANCE: CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, TAXES, INSPECTIONS, TESTS, FINES AND OTHER ITEMS AS REQUIRED FOR THE INSTALLATION OF COMPLETE ELECTRICAL SYSTEMS AS OUTLINED HEREIN AND SHOWN ON PLANS. PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- EXISTING CONDITIONS: BEFORE BIDDING CONTRACTOR SHALL VISIT THE JOB SITE AND ASCERTAIN ALL EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK. FAILURE TO DO SO WILL NOT BE ACCEPTED AS A REASON FOR REQUESTING EXTRA PAY WHERE THE EXISTING CONDITIONS RESULT IN EXTRA MATERIAL OR LABOR. ANY EXISTING CONDITION FOUND BY THE CONTRACTOR WHICH WILL ADVERSELY AFFECT THE WORK SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENTS OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- RECORD DRAWINGS: MAINTAIN A COMPLETE SET OF PRINTS FOR INDICATING ALL CHANGES. USE COLORED PENS TO MARK CHANGES AT THE TIME OF EXECUTION AND DELIVER THE SET TO ARCHITECT/ENGINEER UPON COMPLETION. CONTRACTOR SHALL STAMP "AS BUILT" ON PRINTS AND PLANS, DATE AND SIGN IN INK.
- PLANS: DRAWINGS ARE GENERALLY DIAGRAMMATIC, INTENDED TO SHOW APPROXIMATE EQUIPMENT LOCATIONS AND ARRANGEMENTS, NOT TO SHOW EVERY MINOR DETAIL. PLANS SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION AND DIMENSIONS.
- INTERFERENCE: CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES SO THAT INTERFERENCES WITH EXISTING CONDITIONS, CONDUITS, PIPING, EQUIPMENT, ARCHITECTURAL, STRUCTURAL MEMBERS WILL BE AVOIDED.

- SHOP DRAWINGS: PRIOR TO PLACING AN ORDER AND BEFORE INSTALLATION, SUBMIT FOR REVIEW PROPERLY IDENTIFIED AND BOUND SHOP DRAWINGS AND MANUFACTURER'S LITERATURE GIVING SPECIFICATIONS, DETAILS, COMPLIANCE, UL APPROVAL MATERIALS, FINISHES, ACCESSORIES AND INSTALLATION DIRECTIONS WHERE REQUIRED BY THE EQUIPMENT SPECIFIED. FACTORY CERTIFIED PRINTS SHALL BE FURNISHED FOR ALL MAJOR ITEMS OF EQUIPMENT AND SPECIFIED. SUBMISSION OF EQUIPMENT FOR APPROVAL SHALL BE MADE COMPLETE AND ALL AT THE SAME TIME.
- SUBSTITUTIONS: PRODUCTS AND MATERIALS CALLED OUT BY TRADE NAME AND/OR CATALOG NUMBERS ESTABLISH A STANDARD OF QUALITY, APPEARANCE, PERFORMANCE AND DIMENSION. CONTRACTOR SHALL BASE HIS PROPOSAL ON THOSE ITEMS AS THEY SHALL BE CONSIDERED AS A STANDARD BASIS OF BIDDING. REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT/ENGINEER DEMONSTRATING THAT PRODUCT IS OF COMPARABLE AND BASIC DESIGN, CONSTRUCTION STANDARDS AND WARRANTIES, DIMENSIONS TO FIT WITHOUT CHANGE, AND DOES NOT CAUSE EXTRA WORK FOR OTHER TRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVING EQUALITY OF SUBSTITUTIONS. ARCHITECT/ENGINEER WILL UNDER NO CIRCUMSTANCES, BE REQUIRED TO PROVIDE SUCH ITEM IS OR IS NOT OF EQUAL QUALITY TO THE SPECIFIED ITEM. ARCHITECT/ENGINEER EXPENSES INCURRED DUE TO CONTRACTOR'S REQUESTED REVISIONS OR SUBSTITUTIONS SHALL BE PAID BY CONTRACTOR.
- GUARANTEES: AFTER THE SYSTEM IS INSTALLED, THE CONTRACTOR SHALL CONDUCT AN OPERATIVE TEST FOR APPROVAL AND ACCEPTANCE BY THE ARCHITECT/OWNER. ENTIRE ELECTRICAL WORK, INCLUDING PARTS AND LABOR, SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL WRITTEN ACCEPTANCE THEREOF AGAINST DEFECTIVE MATERIALS, CONSTRUCTION AND WORKMANSHIP, WHERE APPLICABLE. LONGER GUARANTEES FOR CERTAIN COMPONENTS SHALL APPLY AS REQUIRED AND NOT BE REDUCED IN ANY WAY. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE TO THE OWNER AND SHALL INCLUDE REPLACEMENTS AND/OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.

PART 2 - PRODUCTS

- SHOP DRAWINGS: SUBMIT SHOP DRAWINGS OF THE FOLLOWING PRODUCTS:
 - PANELBOARDS, OVERCURRENT PROTECTION DEVICES, CIRCUIT BREAKERS, SWITCHES, FUSES
 - WIRING CABLING, CONDUITS, RACEWAYS, FLOOR AND OUTLET BOXES, PLATES, PLUGMOLDS.
 - WIRING DEVICES: RECEPTACLES, OUTLETS, LIGHT SWITCHES, DIMMERS.
 - LIGHTING FIXTURES, LAMPS, POLES AND RELATED HARDWARE.
 - TIMECLOCKS, PHOTOCELLS AND CONTACTORS.
- LIGHTING FIXTURES SHALL BE COMPLETE WITH ALL NECESSARY LAMPS, BALLASTS WIRING, LAMP HOLDERS REFLECTORS, GLASSWARE, POLES, BASES AND MOUNTING ACCESSORIES AS REQUIRED TO PROVIDE FOR A COMPLETE INSTALLATION. LIGHTING FIXTURES SHALL BE SELECTED BY ARCHITECT/OWNER, PROVIDED BY CONTRACTOR, REFER TO ARCHITECTURAL DRAWINGS FOR COLOR, FINISH AND EXACT MOUNTING DETAILS.
- RACEWAYS:
 - FLEXIBLE METALLIC CONDUIT: LIGHTING FIXTURES, MOTORS, TRANSFORMERS AND VIBRATING EQUIPMENT CONNECTIONS IN LENGTHS NOT TO EXCEED 16'. PVC JACKETED FLEXIBLE METAL CONDUIT FOR LOCATIONS OUTSIDE AND/OR EXPOSED TO MOISTURE. GREENFIELD OR APPROVED EQUAL.
 - EMT: MAY BE USED FOR INTERIOR SPACES IN DRY LOCATIONS, WHERE NOT EXPOSED TO PHYSICAL DAMAGE. FITTINGS SHALL BE STEEL.
 - PVC SCHEDULE 40: MAY BE USED WHERE CONDUIT IS RUN IN CONCRETE SLABS WITH 4" COAG, 12" BEL OW SLAB, WHERE BURIED 24" BELOW FINISHED GRADE AND 30" UNDER VEHICULAR TRAFFIC AREAS.

- WIRING DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE, FLUSH MOUNTED, MANUFACTURED BY HUBBELL, SLATER OR LUTRON.
 - SWITCHES: TOGGLE TYPE, 20A 120V/277V, SINGLE POLE, THREE-WAY WHERE NOTED. SWITCHES IN THE SAME AREA AND FOR FAN/LIGHT CONTROL SHALL BE GANGED TOGETHER IN THE SAME BOX.
 - DIMMERS: LINEAR ON/OFF TYPE, RATED 20A 600W MINIMUM FOR GENERAL AREA, 1000W FOR DINING ROOM AND OTHER AREAS NOTED.
 - RECEPTACLES: 20A 120V GROUNDING TYPE DUPLEX, 15A WHERE FED FROM ISA CIRCUIT BREAKERS. SPECIAL OUTLETS RATED TO MATCH CIRCUIT BREAKERS AS NOTED ON PLANS. QUADRUPEX OUTLETS AND SWITCH/OUTLET COMBINATIONS SHALL HAVE THE SAME FACE PLATE. ISOLATED GROUND TYPE SHALL BE PROVIDED WITH SEPARATE ISOLATED GROUND WIRE.
 - MOUNTING HEIGHTS: WHERE NOT ESTABLISHED ON PLANS OR LEGEND, MOUNTING HEIGHT SHALL BE AS FOLLOWS:
 - NH - 18" AFF - GENERAL AREA RECEPTACLES AND TELEPHONE OUTLETS.
 - NH - 42" AFF - COUNTER RECEPTACLES AND TELEPHONE OUTLETS.
 - NH - 48" AFF - SWITCHES AND DIMMERS.
 - NH - 52" AFF - WALL MOUNTED PHONES

PART 3 - EXECUTION

- TESTS: PROVIDE ALL NECESSARY INSTRUMENTS AND SPECIAL APPARATUS TO CONDUCT ANY TESTS THAT MAY BE REQUIRED TO INSURE SYSTEM IS FREE OF ALL IMPROPER GROUNDS AND SHORT CIRCUITS AND THAT ALL FEEDERS ARE PROPERLY BALANCED. SYSTEM SHALL BE CHECKED FOR QUALITY, CAPACITY AND COMPLETENESS TO CONFORM WITH THE FULL REQUIREMENTS AND INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- CONDUIT RUNS, RACEWAYS AND PIPING SHALL BE CONCEALED IN WALLS, CEILINGS, SLABS AND PARTITIONS. NO RACEWAY SHALL BE EXPOSED WITHIN INTERIOR SPACES. ALL OUTLETS AND WIRING DEVICES SHALL BE FLUSH MOUNTED.
- GROUNDING AND BONDING SHALL COMPLY WITH NEC 250. ALL METALLIC RACEWAYS SHALL BE GROUNDED AND BONDED PER NEC 250. NON-METALLIC RACEWAYS SHALL BE PROVIDED WITH A GROUNDING CONDUCTOR SIZED PER NEC 250-95.
- AIR CONDITIONING: BEFORE COMMENCING WORK CONTRACTOR SHALL FIELD COORDINATE NAMEPLATE INSTALLATION REQUIREMENTS AND, IF NECESSARY, UPDATE ELECTRICAL PROTECTION, WIRING AND CONDUIT AS REQUIRED TO MEET NEC AND MANUFACTURER'S RECOMMENDATION.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND PROVIDED BY THIS CONTRACTOR. EQUIPMENT TO BE REMOVED NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE JOB SITE AS DIRECTED. FIELD VERIFY WITH OWNER BEFORE REMOVAL.
- CONTRACTOR SHALL MAKE ALL NECESSARY EXCAVATIONS, CUTTING AND REPATCHING AS REQUIRED FOR THE PROPER EXECUTION OF THIS WORK.
- CONTRACTOR SHALL FIELD SPOT LOCATION OF WIRING DEVICES TO VERIFY AND GET APPROVAL FROM ARCHITECT/OWNER BEFORE INSTALLATION.

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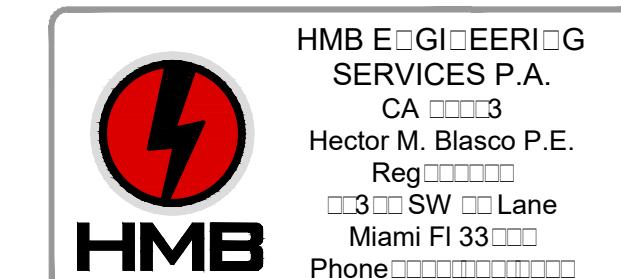
HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010

DATE: 05.04.20
DESIGNED BY: MDF
DRAWN BY: TM
REVIEWED BY: MDF
PROJECT NO. HMB 2020 020

REVISIONS

NO.	DESCRIPTION

SEAL



DEMAND RESPONSE READY

Standby Power Rating
 275 kW, 344 kVA, 60 Hz

Demand Response Rating
 275 kW, 344 kVA, 60 Hz

Prime Power Rating
 248 kW, 309 kVA, 60 Hz

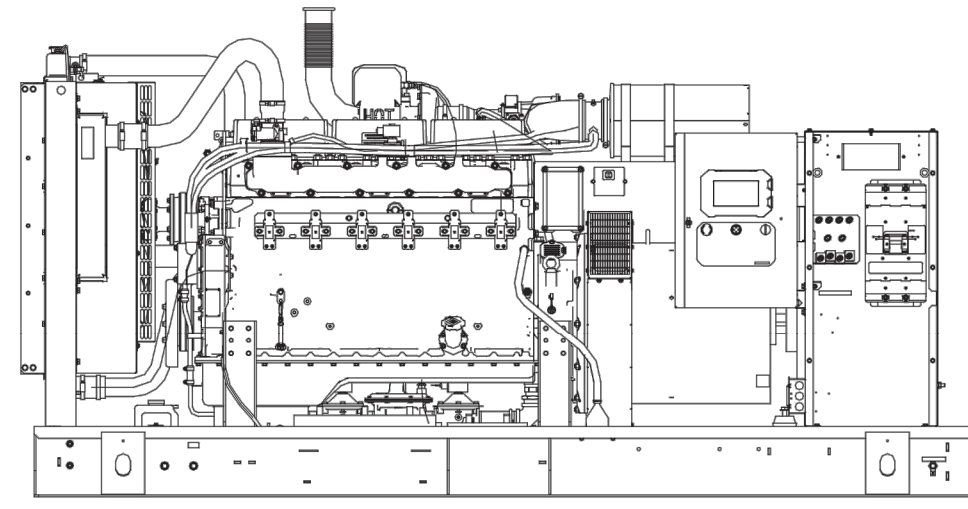


Image used for illustration purposes only



Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL6200, UL1236, UL489
- CSA C22.2
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, A1
- ANSI C62.41
- IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

Powering Ahead

Generac ensures superior quality by designing and manufacturing most of its generator components, such as alternators, enclosures, control systems and communications software. Generac also makes its own spark-ignited engines, and you'll find them on every Generac gaseous-fueled generator. We engineer and manufacture them from the block up — all at our facilities throughout Wisconsin. Applying natural gas and LP-fueled engines to generators requires advanced engineering expertise to ensure reliability, durability and necessary performance. By designing specifically for these dry, hotter-burning fuels, the engines last longer and require less maintenance. Building our own engines also means we control every step of the supply chain and delivery process, so you benefit from single-source responsibility.

Plus, Generac Industrial Power's distribution network provides all parts and service so you don't have to deal with third-party suppliers. It all leads to a positive owner experience and higher confidence level. Generac spark-ignited engines give you more options in commercial and industrial generator applications as well as extended run time from utility-supplied natural gas.

SPEC SHEET

DEMAND RESPONSE READY

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Dust Adapter (Open Set Only)
- Critical Silencer (Enclosed Units Only)
- Oil Temperature Indication and Alarm

Fuel System

- NPT Fuel Connection on Frame
- Primary and Secondary Fuel Shutoff

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension

Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- UL2200 GE/protect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearing
- Amortisseur Winding
- Full Load Capacity Alternator

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Units Only)
- Ready to Accept Full Load in <10 Seconds

ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hood (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat

CONTROL SYSTEM



Power Zone® Pro Sync Controller

- Remote Wireless Software Update Capable
- Wi-Fi, Bluetooth, BMS and Remote Telemetry
- Built-In Programmable Logic Eliminates the Need for External Controllers Under Most Conditions
- Ethernet Based Communications Between Generators
- Programmable I/O Channel Properties
- Built-In Diagnostics
- Remote Wireless Software Update Capable
- Wi-Fi, Bluetooth, BMS and Remote Telemetry
- Built-In Programmable Logic Eliminates the Need for External Controllers Under Most Conditions
- Ethernet Based Communications Between Generators
- Programmable I/O Channel Properties
- Built-In Diagnostics
- Low Oil Pressure
- Low Coolant Level
- High/Low Coolant Temperature
- Sensor Failure
- Oil Temperature
- Over/Under Speed
- Over/Under Voltage
- Over/Under Frequency
- Over/Under Current
- Over Load
- High/Low Battery Voltage
- Battery Charger Current
- Phase to Phase and Phase to Neutral Short Circuits (rFT Algorithm)

7 Inch Color Touch Screen Display

- Resistive Color Touch Screen
- Sunlight Readable (1400 NITS)
- Easily Identifiable Icons
- Multi-Lingual
- On Screen Editable Parameters
- Key Function Monitoring
- Three Phase Voltage, Amperage, kW, kVA, and kVAR
- Selectable Line to Line or Line to Neutral Measurements
- Frequency
- Engine Speed
- Engine Coolant Temperature
- Engine Oil Pressure
- Engine Oil Temperature
- Battery Voltage
- Hourmeter
- Warning and Alarm Indication
- Diagnostics
- Maintenance Events/Information

SPEC SHEET

DEMAND RESPONSE READY

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Engine Coolant Heater
- Radiator Stone Guard
- 2 Stage Air Cleaner
- Oil Heater
- Air Filter Restriction Indicator
- Radiator Stone Guard (Open Set Only)
- Level 1 Fan and Belt Guards (Enclosed Units Only)

FUEL SYSTEM

- NPT Flexible Fuel Line

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

ENGINEERED OPTIONS

ENGINE SYSTEM

- Fluid Containment Pans

CONTROL SYSTEM

- Battery Disconnect Switch

GENERATOR SET

- Demand Response Rating
- Extended Factory Testing (3-Phase Only)
- 12 Position Load Center
- Vapor Recovery Heater

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- Level 3 Sound Attenuated (Steel Only)
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Enclosure Heaters
- IBC Certification
- Door Open Alarm Switch

CONTROL SYSTEM

- NFPA 110 Level 1 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Remote E-Stop (Break Glass-Type, Surface Mount, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 10A Engine Run Relay
- Ground Fault Annunciator
- 100 dB Alarm Horn
- Damper Alarm Contacts (Motorized Dampers Only)
- 120V GFCI and 240V Outlets

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

ALTERNATOR SYSTEM

- 3rd Main Line Circuit Breaker
- 4th Breaker System

GENERATOR SET

- Special Testing
- Battery Box

SPEC SHEET

DEMAND RESPONSE READY

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General		Cooling System	
Make	Generac	Cooling System Type	Pressurized Closed Recovery
Cylinder #	6	Fan Type	Pusher
Type	In-line	Fan Speed - RPM	1,894
Displacement - in ³ (L)	864.71 (14.2)	Fan Diameter - in (mm)	34 (864)
Bore - in (mm)	5.31 (135)	Fuel System	
Stroke - in (mm)	6.50 (165)	Fuel Type	Natural Gas, Propane
Compression Ratio	9.5:1	Carburetor	Turbocharged/Aftercooled
Intake Air Method	Turbocharged/Aftercooled	Secondary Fuel Regulator	Standard
Number of Main Bearings	7	Fuel Shut Off Solenoid	Standard
Connecting Rods	Steel Alloy	Operating Fuel Pressure - in H ₂ O (kPa)	7 - 11 (1.7 - 2.7)
Cylinder Head	Cast Iron GT250, OHV	Engine Electrical System	
Cylinder Liners	Ductile Iron	System Voltage	24 VDC
Ignition	Electronic	Battery Charger Alternator	57.5 A
Piston Type	Aluminum	Battery Size	See Battery Index 0161970SBY
Crankshaft Type	Ductile Iron	Battery Voltage	24 VDC
Lifter Type	Solid	Ground Polarity	Negative
Intake Valve Material	Special Heat-Resistant Steel		
Exhaust Valve Material	High Temp Steel Alloy		
Hardened Valve Seats	High Temp Steel Alloy		
Engine Governing			
Governor	Electronic		
Frequency Regulation (Steady State)	±0.25%		
Lubrication System			
Oil Pump Type	Gear		
Oil Filter Type	Full-Flow with Cartridge		
Crankcase Capacity - qt (L)	38.2 (34.3)		

ALTERNATOR SPECIFICATIONS

Standard Model		Standard Excitation	
Standard Model	K0300124Y21	Standard Excitation	Permanent Magnet
Poles	4	Bearings	Sealed Ball
Field Type	Revolving	Coupling	Direct via Flexible Disc
Insulation Class - Rotor	H	Prototype Short Circuit Test	Yes
Insulation Class - Stator	H	Voltage Regulator Type	Full Digital
Total Harmonic Distortion	<5% (3-Phase)	Number of Sensing Phases	All
Telephone Interference Factor (TIF)	<50	Regulation Accuracy (Steady State)	±0.25%

SPEC SHEET

DEMAND RESPONSE READY

OPERATING DATA

POWER RATINGS - NATURAL GAS

	Standby/Demand Response		Prime	
	275 kW/343.8 kVA	Amps: 955	248 kW/309.4 kVA	Amps: 860
Three-Phase 120/208 VAC @90.8pf	275 kW/343.8 kVA	Amps: 955	248 kW/309.4 kVA	Amps: 860
Three-Phase 120/240 VAC @90.8pf	275 kW/343.8 kVA	Amps: 828	248 kW/309.4 kVA	Amps: 745
Three-Phase 277/480 VAC @90.8pf	275 kW/343.8 kVA	Amps: 414	248 kW/309.4 kVA	Amps: 373
Three-Phase 346/600 VAC @90.8pf	275 kW/343.8 kVA	Amps: 331	248 kW/309.4 kVA	Amps: 298

MOTOR STARTING CAPABILITIES (skVA)

Voltage Dip	skVA vs. Voltage Dip	
	277/480 VAC	30% 277/480 VAC
K0300124Y21	790	K0300124Y21
30%	609	

FUEL CONSUMPTION RATES*

Percent Load	Natural Gas - scfm (m ³ /hr)	
	Standby/Demand Response	Prime
25%	1,080 (30.6)	1,020 (28.9)
50%	1,800 (51.0)	1,620 (45.9)
75%	2,640 (74.8)	2,400 (68.0)
100%	3,240 (91.7)	3,000 (84.9)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

	Standby/Demand Response		Prime	
	scfm (m ³ /min)	15,946 (452)	scfm (m ³ /min)	15,946 (452)
Air Flow (Fan Air Flow Across Radiator)	scfm (m ³ /min)	15,946 (452)	scfm (m ³ /min)	15,946 (452)
Coolant Flow	gpm (Lpm)	90 (340.7)	gpm (Lpm)	90 (340.7)
Coolant System Capacity	gal (L)	15 (54.9)	gal (L)	15 (54.9)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)	122 (50)	
Maximum Operating Ambient Temperature (Before Derate)		See Bulletin No. 0199270SSD		
Maximum Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)	0.5 (0.12)	

COMBUSTION AIR REQUIREMENTS

Flow at Rated Power - scfm (m ³ /min)	Standby/Demand Response		Prime	
	514 (14.6)		480 (13.6)	

ENGINE

	RPM	Standby/Demand Response		EXHAUST		Standby/Demand Response		Prime	
		1,800	1,800	scfm (m ³ /min)	1,985 (56)	1,670 (47)	scfm (m ³ /min)	1,985 (56)	1,670 (47)
Rated Engine Speed	RPM	1,800	1,800	Exhaust Flow (Rated Output)	scfm (m ³ /min)	1,985 (56)	1,670 (47)		
Horsepower at Rated kW**	hp	409	369	Max. Backpressure (Post Silencer)	inHg (kPa)	0.75 (2.54)	0.75 (2.54)		
Piston Speed	ft/min (m/min)	1,950 (594)	1,950 (594)	Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1,385 (752)	1,355 (735)		
BMEP	psi (kPa)	208 (1,433)	187 (1,292)						

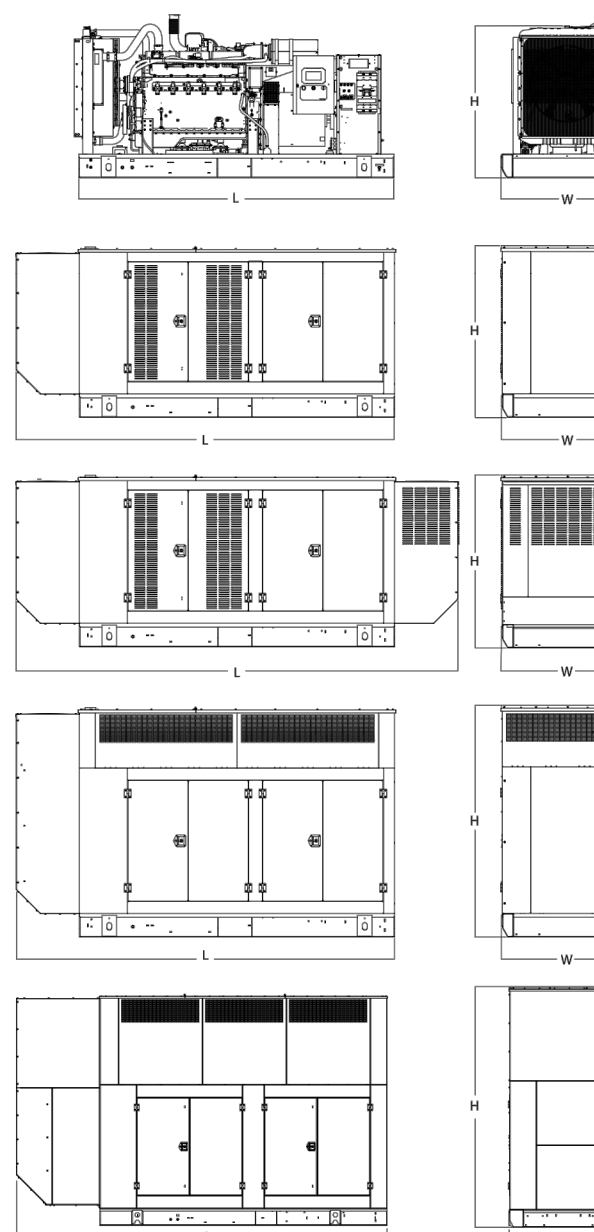
** Refer to "Emissions Data Sheet" for maximum BHP for EPA and SCQM/D permitting purposes.

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 0187500SSB Demand Response - See Bulletin 10000018250 Prime - See Bulletin 0187510SSB

SPEC SHEET

DEMAND RESPONSE READY

DIMENSIONS AND WEIGHTS*



OPEN SET (Includes Exhaust Flex)

L x W x H - in (mm)	Minimum Weight - lbs (kg)	Maximum Weight - lbs (kg)
138.0 (3,454) x 57.1 (1,450) x 67.5 (1,725)	6,200 (2,812)	6,567 (2,987)

WEATHER PROTECTED ENCLOSURE

L x W x H - in (mm)	Steel Weight - lbs (kg)		Aluminum Weight - lbs (kg)	
	Minimum - lbs (kg)	Maximum - lbs (kg)	Minimum - lbs (kg)	Maximum - lbs (kg)
174.7 (4,437) x 57.5 (1,461) x 77.8 (1,978)	7,245 (3,287)	7,919 (3,591)	6,678 (3,030)	7,359 (3,337)

LEVEL 1 SOUND ATTENUATED ENCLOSURE

L x W x H - in (mm)	Steel Weight - lbs (kg)		Aluminum Weight - lbs (kg)	
	Minimum - lbs (kg)	Maximum - lbs (kg)	Minimum - lbs (kg	



July 23, 2020

Hector Blasco - HEB Engineering Services
15374 SW 14th Ln
Miami, FL 33194

Re: Available Fault Current for Hialeah Housing Authority - 75 E 6th St

Dear Hector Blasco - HEB Engineering Services:

Thank you for contacting FPL about the available fault current at Hialeah Housing Authority - 75 E 6th St. Based on the plans you have provided dated May 04 2020, the maximum available fault current at the transformer secondary terminals is estimated to be 46055 symmetrical amperes at 120/208 volts. The protective device on the line side of the transformer currently in place or to be installed and serving your property located at the subject location is a 50 amp type KS fuse. The primary service voltage is 13.2kV L-L. This calculated symmetrical fault current is not intended for use as the basis for motor starting calculations and does not include:

- Consideration for any motor contribution or
- Fault current asymmetry.

The FPL equipment currently serving or planned to serve your facility may change over time as a result of any number of factors, including but not limited to transformer replacements due to load growth, electrical grid changes or emergencies. As a result, although we are providing you with this information for the sole purpose of assisting you in the completion of your study, you and your client should not design, install or operate your system in reliance upon any expectation that the specific size and type of equipment currently in place will remain so. If and when the size and type of the equipment changes, our employees are not always in a position to immediately notify customers.

As the construction project progresses, any questions or information you may need can be communicated through me. I have enclosed my business card for easy reference and look forward to hearing from you in the near future.

Sincerely,

Jon McQuitty
Associate Engineer



July 23, 2020

Hector Blasco - HEB Engineering Services
15374 SW 14th Ln
Hialeah, FL 33010

Re: Available Fault Current for Hialeah Housing Authority - 70 E 7th St

Dear Hector Blasco - HEB Engineering Services:

Thank you for contacting FPL about the available fault current at Hialeah Housing Authority - 70 E 7th St. Based on the plans you have provided dated May 04 2020, the maximum available fault current at the transformer secondary terminals is estimated to be 46055 symmetrical amperes at 120/208 volts. The protective device on the line side of the transformer currently in place or to be installed and serving your property located at the subject location is a 50 amp type K fuse. The primary service voltage is 13.2kV L-L. This calculated symmetrical fault current is not intended for use as the basis for motor starting calculations and does not include:

- Consideration for any motor contribution or
- Fault current asymmetry.

The FPL equipment currently serving or planned to serve your facility may change over time as a result of any number of factors, including but not limited to transformer replacements due to load growth, electrical grid changes or emergencies. As a result, although we are providing you with this information for the sole purpose of assisting you in the completion of your study, you and your client should not design, install or operate your system in reliance upon any expectation that the specific size and type of equipment currently in place will remain so. If and when the size and type of the equipment changes, our employees are not always in a position to immediately notify customers.

As the construction project progresses, any questions or information you may need can be communicated through me. I have enclosed my business card for easy reference and look forward to hearing from you in the near future.

Sincerely,

Jon McQuitty
Associate Engineer

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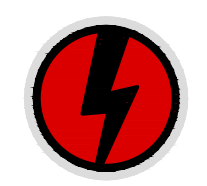
HIALEAH HOUSING AUTHORITY
EMERGENCY GENERATOR
70 EAST 7TH STREET
HIALEAH, FLORIDA 33010

DATE:	05.04.20
DESIGNED BY:	MDF
DRAWN BY:	TM
REVIEWED BY:	MDF
PROJECT NO.	HMB 2020 020

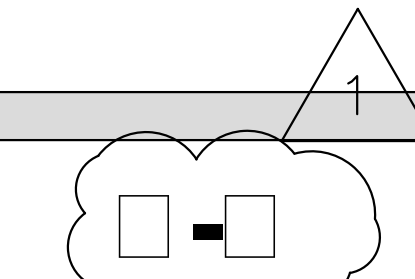
REVISIONS		
1	7-31-2020	BDC



SEAL



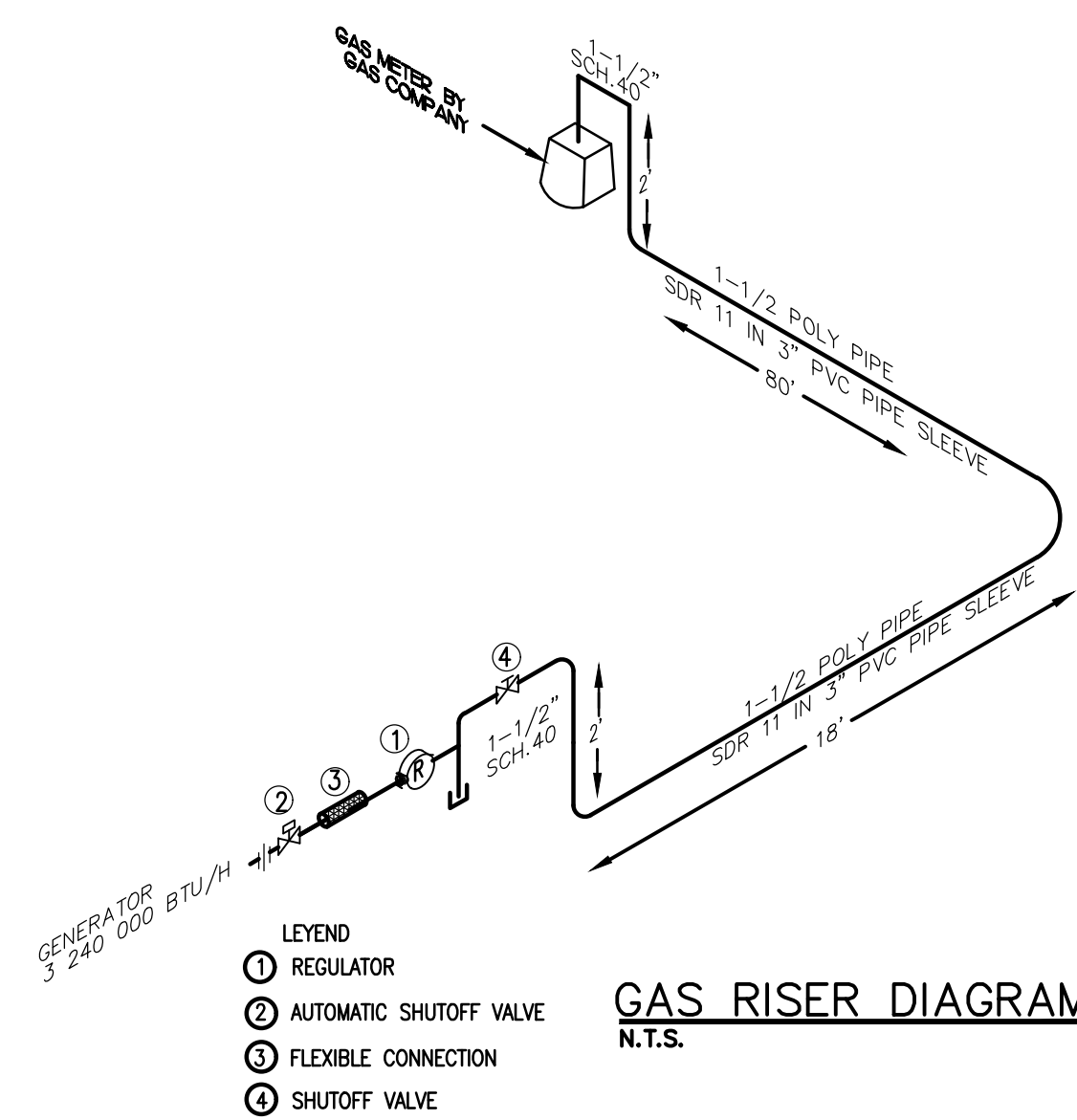
HMB ENGINEERING
SERVICES P.A.
CA 94033
Hector M. Blasco P.E.
Reg. 00000
3300 SW Lane
Miami FL 33000
Phone 0000000000



CONSTRUCTION
DOCUMENT

PLUMBING GENERAL NOTES

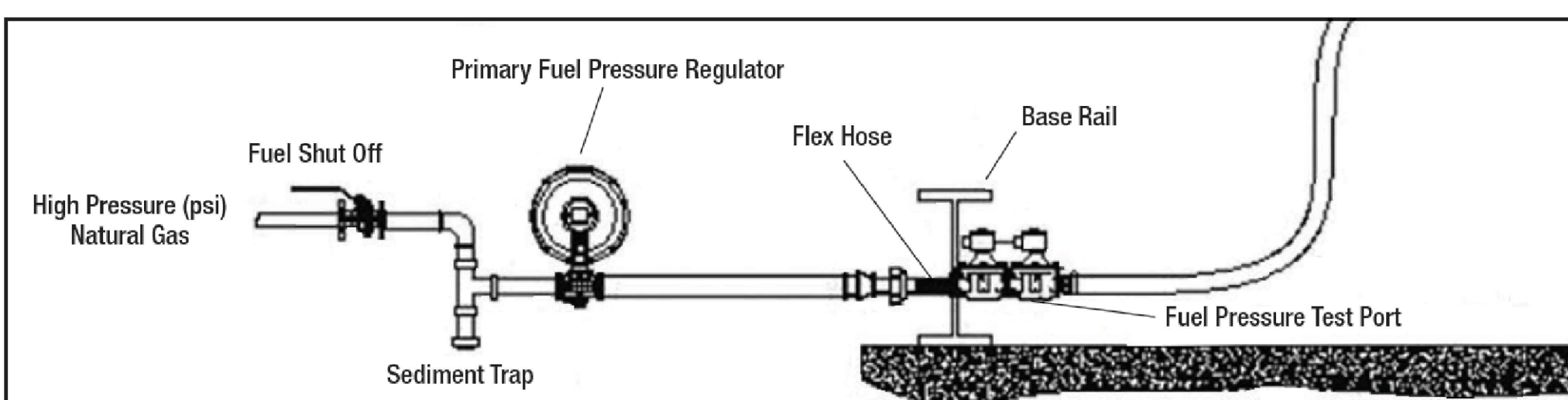
- 1 THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH THESE DRAWINGS, THE 2017 6th EDITION OF THE FLORIDA BUILDING CODE, ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL CODES AND ORDINANCES.
- 2 THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK. UPON FINAL ACCEPTANCE, A CERTIFICATE FROM THE LOCAL INSPECTION AUTHORITY SHALL BE FURNISHED TO THE OWNER.
- 3 ALL MATERIALS AND EQUIPMENTS SHALL BE NEW, OF U.S. MANUFACTURER AND OF GOOD QUALITY OF RESPECTIVE KIND AND GRADE, AND MUST BE FURNISHED SO AS TO PREVENT ANY DELAY IN THE PROGRESS OF THE WORK. ALL WORK THROUGHOUT SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY SUFFICIENT NUMBER OF SKILLED WORKMEN.
- 4 CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL PERTINENT UTILITY DRAWINGS TO FAMILIARIZE HIMSELF WITH THE LOCATION OF ALL EXISTING AND/OR PROPOSED UTILITY STUB OUTS, PIPING, INVERTS, EQUIPMENT, ETC., AND MAKE DUE ALLOWANCES FOR ANY CONDITION AFFECTING HIS WORK.
- 5 THE LOCATION OF ALL ITEMS SHOWN ON THE DRAWINGS ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE CONTRACTOR AT THE PROJECT SITE IN RESPONSE TO FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES.
- 6 ALL GAS LINES AND APPURTENANCES SHOWN ARE IN THE APPROXIMATE LOCATION. FINAL PLUMBING LINES EXACT LOCATION WILL BE DETERMINE AT PROJECT SITE IN RESPONSE TO FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES.



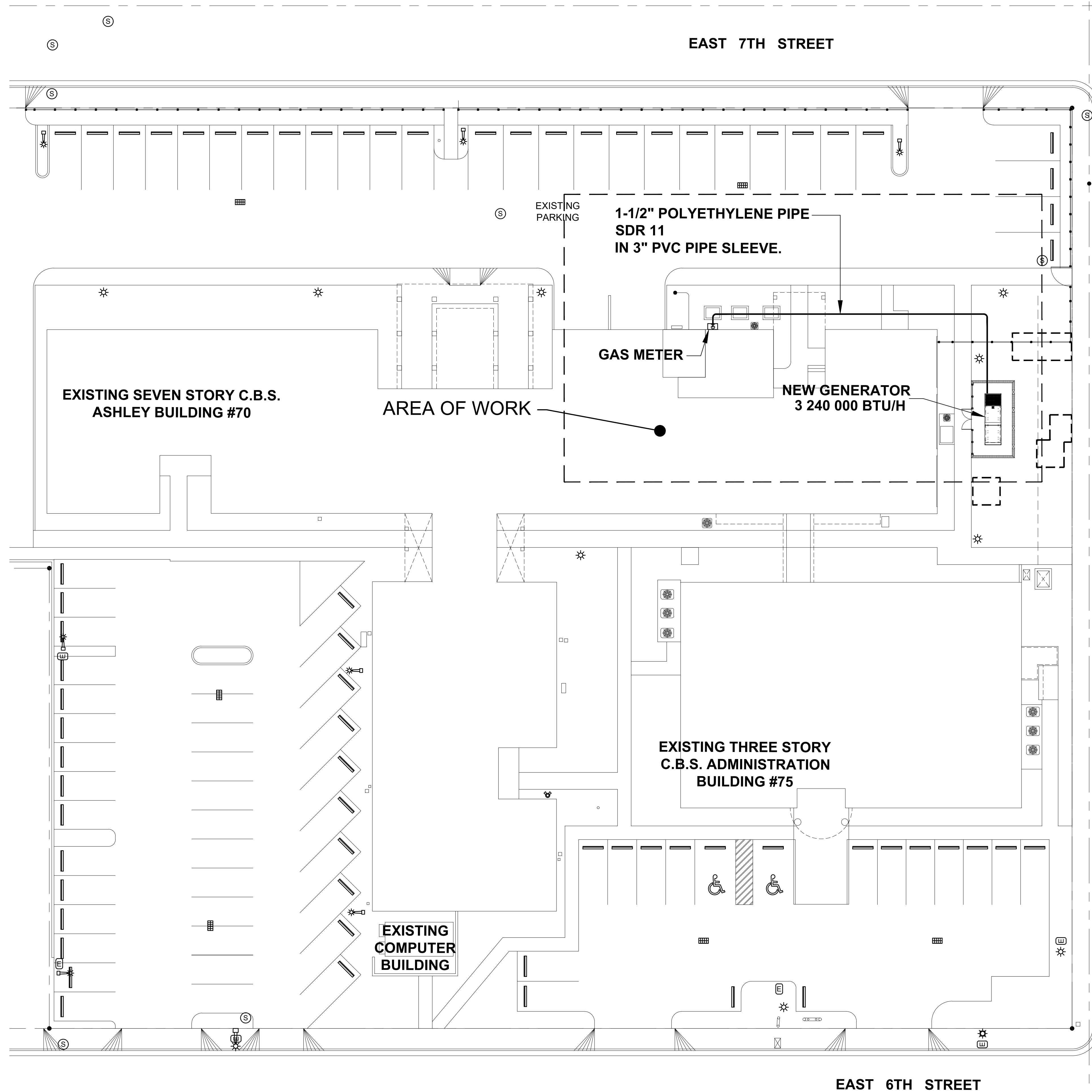
110'-0" MAX. DISTANCE 3,240,000 bth/h
 TABLE 402.4(5) SCHEDULE 40
 METALLIC PIPE
 Gas Natural
 Inlet Pressure 2.0 psi
 Pressure Drop 1.0 psi
 Specific Gravity 0.60

110'-0" MAX. DISTANCE 3,240,000 bth/h
 TABLE 402.4(22) POLYETHYLENE
 PLASTIC PIPE
 GAS NATURAL INLET PRESSURE 2.0
 PSI PRESSURE DROP 1.0 PSI
 SPECIFIC GRAVITY 0.60

10'-0" MAX. DISTANCE 3,240,000 bth/h
 TABLE 402.4(1) SCHEDULE 40
 METALLIC PIPE
 Gas Natural
 Inlet Pressure Less than 2 psi
 Pressure Drop 0.3 in. w.c.
 Specific Gravity 0.60



Primary fuel pressure regulator no less than 10 feet of pipe length from the generator set connection point



GAS SITE PLAN

SCALE: 1/16" = 1'-0"

EAST 1ST AVENUE

EAST 7TH STREET

EAST 6TH STREET

HIALEAH HOUSING AUTHORITY
 EMERGENCY GENERATOR
 70 EAST 7TH STREET
 HIALEAH, FLORIDA 33010

DATE:	05.04.20
DESIGNED BY:	MDF
DRAWN BY:	TM
REVIEWED BY:	MDF
PROJECT NO.:	HMB 2020 020
REVISIONS	

HMB ENGINEERING SERVICES, P.A.
 CA 28443
 Hector M. Blasco P.E.
 Reg#56115
 15374 SW-14 Lane
 Miami FL 33194
 Phone: 786-588-6284

G-1
 CONSTRUCTION DOCUMENT

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 MIAMI, FL 33184
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 ARCHITECTURAL GROUP

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