

PERMIT CORRECTIONS REPORT (GEC1700020)

PERMIT ADDRESS: 353 W W 47 ST MIAMI BEACH, FL -3314	PARCEL: 0232220221680	
APPLICATION DATE: 09/06/2017	SQUARE FEET: 80.00	DESCRIPTION: Install new 180 KW generator, install new fuel tank, base, furnish and install new electrical conduits, wiring, furnish and install automatic transfer switch, and furnish and install new electrical panel.
EXPIRATION DATE:	VALUATION: \$55,700.00	

CONTACTS	Name	Company	Address
Applicant	Allan Mairena [EC13005242]	Halmag Solutions Inc EC1300:	801 S Biscayne River DR Miami, FL 33169
Owner	Luisa Rivera	Herberto Corporation	1198 Venetian Way,, Suite 100 Miami Beach,, FL 33139

Bldg - PR - Generator - Commercial - New	Version: 7	Date Received:	Date Completed:	Status:
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Bldg - PR - Generator - Commercial - New	Version: 1	Date Received: 09/14/2017	Date Completed: 09/15/2017	Status: Fail
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Building Review	Status: Pass	Assigned: 9/14/17	Completed: 9/14/17	Gabi Chamoun Ph: email: GabiChamoun@miamibeachfl.gov
Correction:				
Comments:				

Electrical Review	Status: Fail	Assigned: 9/14/17	Completed: 9/15/17	Eric Merced Ph: email: EricMerced@miamibeachfl.gov
Correction: General Correction				
Comments:				

- 09*15*17
1. Provide note on plans stating all new outdoor installations shall comply with NEC 110.12, 110.28 and 358.12.
 2. Correct the NEMA configuration of all new outdoor installations as per NEC 110.28 corrosive agents.
 3. Complete riser diagram to include new or existing feeders from FPL.
 4. Complete grounding electrodes to include all new or existing system as per NEC 250.52.
 5. Provide information the indicating the generator is listed UL2200.
 6. Provide information indicating the supply conductor complies with NEC 695.6.
 7. Provide reference notes indicated on riser.
 8. Complete panel schedules to include all KVA and wire sizes.

Fire Building Review	Status: Fail	Assigned: 9/14/17	Completed: 9/15/17	Tom Armstrong Ph: email: TomArmstrong@miamibeachfl.gov
Correction: General Correction				
Comments:				

- Gec1700020 1st review 9/15/17
Sheet e01:
1. Provide a life safety plan showing egress to the public way to verify if location of the generator hinders access
 2. Show location of the fuel port for the generator to verify hose does not have to pass within property line/under building for fill
 3. Plans show the generator next to the building and it appears to be less than the 10' for any exposure to the building

Mechanical Review	Status: Fail	Assigned: 9/14/17	Completed: 9/14/17	Laura Ferrer Ph: email: LauraFerrer@miamibeachfl.gov
Correction: General Correction				
Comments:				

- GE1700020
9/14/17
- 1- Provide fuel source for Generator. If diesel show fueling, refueling. FBC 107.2.1
 - 2- State on plans generator/exhaust to be located minimum ten feet away from any air intake, operable openings (windows/doors) of the building to comply with FMC 501.2.1
 - 3- Provide support and anchorage for Generator to comply with FBC 1604
 - 4- CU must be installed at or above base flood elevation. FMC 301.13

Laura Ferrer, P.E., C.E.M., Chief Mechanical Inspector
BUILDING DEPARTMENT
Tel: 305-673-7610 ext. 6489 / Cell: 305-926-3265 / lauraferrer@miamibeachfl.gov

Planning Review	Status: Fail	Assigned: 9/14/17	Completed: 9/15/17	Francisco Arbelaez Ph: email: FranciscoArbelaez@miamibeachfl.gov
Correction: General Correction				
Comments:				

1. Provide elevation plans that show the height of the generator above grade and BFE for further review. The maximum height of the equipment including attached screening elements, shall not exceed five feet above current flood elevation, with a maximum height not to exceed ten feet above grade, as defined in subsection 114-1, of the lot at which they are located. Revise plans or provide a master permit that shows this
2. The generator must be screened from view of the waterway right of way with a physical or landscaped elements typically used for

screening. revise plans or provide a master permit that shows this

Structural Review **Status: Fail** Assigned: 9/14/17 Completed: 9/15/17 Adalberto Vicedo Ph: email: AdalbertoVicedo@miamibeachfl.gov

Correction: General Correction

Comments:

GEC1700020

1. Index on Sheet I: sheet S-1 "Structural Base" was not submitted. Provide structural drawings and overturning calculations for review. Specify connection of generator to base (anchors)

Bldg - PR - Generator - Commercial **Version: 2** **Date Received: 11/01/2017** **Date Completed: 11/08/2017** **Status: Fail**
- New

Electrical Review **Status: Fail** Assigned: 11/1/17 Completed: 11/8/17 Eric Merced Ph: email: EricMerced@miamibeachfl.gov

Correction: General Correction

Comments:

11*08*17

- 1.
2. Correct the NEMA configuration of all new outdoor installations as per NEC 110.28 corrosive agents.
- 3.
4. Complete grounding electrodes to include all new or existing system as per NEC 250.52.(---for all conduit indicating/directed underground---)
5. Provide information the indicating the generator is listed UL2200.
6. Provide information indicating the supply conduit complies with NEC 695.6.
- 7.
- 8.
9. Identify the OCP on the generator/riser matching the generator details.
10. Complete riser details to include all new/existing fire pump equipment.

Fire Building Review **Status: Fail** Assigned: 11/1/17 Completed: 11/2/17 Tom Armstrong Ph: email: TomArmstrong@miamibeachfl.gov

Correction: General Correction

Comments:

Gec1700020 1st review 9/15/17

Sheet e01:

1. Provide a life safety plan showing egress to the public way to verify if location of the generator hinders access
2. Show location of the fuel port for the generator to verify hose does not have to pass within property line/under building for fill
3. Plans show the generator next to the building and it appears to be less than the 10' for any exposure to the building

Correction: General Correction

Comments:

Gec1700020 2ND review 11/02/17

Sheet e01:

1. Show location of the fuel port for the generator to verify hose does not have to pass within property line/under building for fill(LABLE ALL STREETS AND ALLEYS FOR VERIFICATION)
2. Plans show the generator next to the building and it appears to be less than the 10' for any exposure to the building(PLANS SHOW GENERATOR LOCATION CLOSE TO THE EXIT STAIR DISCHARGE) (THIS SHALL BE A FIRE MARSHAL ISSUE)

Mechanical Review **Status: Pass** Assigned: 11/1/17 Completed: 11/3/17 Elizabeth Prida Ph: email: ElizabethPrida@miamibeachfl.gov

Correction: General Correction

Comments:

GE1700020

9/14/17

- 1- Provide fuel source for Generator. If diesel show fueling, refueling. FBC 107.2.1
- 2- State on plans generator/exhaust to be located minimum ten feet away from any air intake, operable openings (windows/doors) of the building to comply with FMC 501.2.1
- 3- Provide support and anchorage for Generator to comply with FBC 1604
- 4- CU must be installed at or above base flood elevation. FMC 301.13

Laura Ferrer, P.E., C.E.M., Chief Mechanical Inspector

BUILDING DEPARTMENT

Tel: 305-673-7610 ext. 6489 / Cell: 305-926-3265 / lauraferrer@miamibeachfl.gov

Planning Review **Status: Fail** Assigned: 11/1/17 Completed: 11/6/17 Francisco Arbelaes Ph: email: FranciscoArbelaes@miamibeachfl.gov

Correction: General Correction

Comments:

1. Provide elevation plans that show the height of the generator above grade and BFE for further review. The maximum height of the equipment including attached screening elements, shall not exceed five feet above current flood elevation, with a maximum height not to exceed ten feet above grade, as defined in subsection 114-1, of the lot at which they are located. Revise plans or provide a master permit that shows this
2. The generator must be screened from view of the waterway right of way with a physical or landscaped elements typically used for screening. revise plans or provide a master permit that shows this.
3. provide a recent signed and sealed survey for further review.
4. provide a site plan that shows the proposed setbacks for the propose generator.

Structural Review **Status: Fail** Assigned: 11/1/17 Completed: 11/2/17 Adalberto Vicedo Ph: email: AdalbertoVicedo@miamibeachfl.gov

Correction: General Correction

Comments:

GEC1700020

Calculations:

2. Please review design to consider the lateral load.
 3. The masonry wall shall be designed for the following loads at the top: 12194/34=359 lbs/ft (wind horizontal), 504 lbs/ft (wind upward/downward), 303 lbs/ft (weight downward). In addition direct wind on the wall and top of generator (uplift) shall be considered.
 4. All critical load combinations shall be considered. Example: anchor tension should be $T=1.6(504)-0.9(302.9)=534$ lbs instead of $T=(504-302.9) \times 1.6=321$ lbs.
 5. Vertical wall reinforcement shall be hooked at the cap with no less than 6" embedment.
 6. Provide applicable structural notes (concrete, reinforcement, masonry, soil preparation, etc.)
 7. Clarify generator to wall connection.
 8. Provide two fully executed special inspector forms for soil compaction, steel connections, and reinforced masonry.
- Further review is required after a complete set of drawings substantiated by calculations are submitted.

Bldg - PR - Generator - Commercial **Version: 3** **Date Received: 11/14/2017** **Date Completed: 11/28/2017** **Status: Fail**
- New

Electrical Review **Status: Not Review** Assigned: 11/14/17 Completed: 11/28/17 Elier Marquez Ph: email: ElierMarquez@miamibeachfl.gov
Correction: General Correction

Comments:

11*08*17

- 1.
2. Correct the NEMA configuration of all new outdoor installations as per NEC 110.28 corrosive agents.
- 3.
4. Complete grounding electrodes to include all new or existing system as per NEC 250.52.(---for all conduit indicating/directed underground---)
5. Provide information the indicating the generator is listed UL2200.
6. Provide information indicating the supply conduit complies with NEC 695.6.
- 7.
- 8.
9. Identify the OCP on the generator/riser matching the generator details.
10. Complete riser details to include all new/existing fire pump equipment.

Fire Building Review **Status: Fail** Assigned: 11/14/17 Completed: 11/16/17 Tom Armstrong Ph: email: TomArmstrong@miamibeachfl.gov
Correction: General Correction

Comments:

Gec1700020 2ND review 11/02/17

Sheet e01:

1. Show location of the fuel port for the generator to verify hose does not have to pass within property line/under building for fill(LABLE ALL STREETS AND ALLEYS FOR VERIFICATION)
2. Plans show the generator next to the building and it appears to be less than the 10' for any exposure to the building(PLANS SHOW GENERATOR LOCATION CLOSE TO THE EXIT STAIR DISCHARGE) (THIS SHALL BE A FIRE MARSHAL ISSUE)

Correction: General Correction

Comments:

no show

Correction: General Correction

Comments:

Gec1700020 1st review 9/15/17

Sheet e01:

1. Provide a life safety plan showing egress to the public way to verify if location of the generator hinders access
2. Show location of the fuel port for the generator to verify hose does not have to pass within property line/under building for fill
3. Plans show the generator next to the building and it appears to be less than the 10' for any exposure to the building

Planning Review **Status: Not Review** Assigned: 11/14/17 Completed: 11/14/17 Giselle Deschamps Ph: email: GiselleDeschamps@miamibeachfl.
Correction: General Correction

Comments:

1. Provide elevation plans that show the height of the generator above grade and BFE for further review. The maximum height of the equipment including attached screening elements, shall not exceed five feet above current flood elevation, with a maximum height not to exceed ten feet above grade, as defined in subsection 114-1, of the lot at which they are located. Revise plans or provide a master permit that shows this
2. The generator must be screened from view of the waterway right of way with a physical or landscaped elements typically used for screening. revise plans or provide a master permit that shows this.
3. provide a recent signed and sealed survey for further review.
4. provide a site plan that shows the proposed setbacks for the propose generator.

Structural Review **Status: Not Review** Assigned: 11/14/17 Completed: 11/14/17 Vicente Franco Ph: email: VicenteFranco@miamibeachfl.gov
Correction: General Correction

Comments:

GEC1700020

Calculations:

2. Please review design to consider the lateral load.
3. The masonry wall shall be designed for the following loads at the top: 12194/34=359 lbs/ft (wind horizontal), 504 lbs/ft (wind upward/downward), 303 lbs/ft (weight downward). In addition direct wind on the wall and top of generator (uplift) shall be considered.
4. All critical load combinations shall be considered. Example: anchor tension should be $T=1.6(504)-0.9(302.9)=534$ lbs instead of $T=(504-302.9) \times 1.6=321$ lbs.
5. Vertical wall reinforcement shall be hooked at the cap with no less than 6" embedment.
6. Provide applicable structural notes (concrete, reinforcement, masonry, soil preparation, etc.)
7. Clarify generator to wall connection.

8. Provide two fully executed special inspector forms for soil compaction, steel connections, and reinforced masonry. Further review is required after a complete set of drawings substantiated by calculations are submitted.

Bldg - PR - Generator - Commercial - New	Version: 4	Date Received: 12/14/2017	Date Completed: 12/27/2017	Status: Fail
Building Review	Status: Pass	Assigned: 12/15/17	Completed: 12/18/17	Miguel Anderson Ph: email: MiguelAnderson@miamibeachfl.gov
Correction:				
Comments:				
Electrical Review	Status: Pass	Assigned: 12/14/17	Completed: 12/19/17	Eric Merced Ph: email: EricMerced@miamibeachfl.gov
Correction: General Correction				
Comments:				
	11*08*17			
	1.			
	2. Correct the NEMA configuration of all new outdoor installations as per NEC 110.28 corrosive agents.			
	3.			
	4. Complete grounding electrodes to include all new or existing system as per NEC 250.52.(---for all conduit indicating/directed underground---)			
	6. Provide information indicating the supply conduit complies with NEC 695.6.			
	7.			
	8.			
	9. Identify the OCP on the generator/riser matching the generator details.			
	10. Complete riser details to include all new/existing fire pump equipment.			
Fire Building Review	Status: Pass	Assigned: 12/14/17	Completed: 12/18/17	Tom Armstrong Ph: email: TomArmstrong@miamibeachfl.gov
Correction: General Correction				
Comments:				
	Gec1700020 2ND review 11/02/17			
	Sheet e01:			
	1. Show location of the fuel port for the generator to verify hose does not have to pass within property line/under building for fill(LABLE ALL STREETS AND ALLEYS FOR VERIFICATION)			
	2. Plans show the generator next to the building and it appears to be less than the 10' for any exposure to the building(PLANS SHOW GENERATOR LOCATION CLOSE TO THE EXIT STAIR DISCHARGE) (THIS SHALL BE A FIRE MARSHAL ISSUE)			
Correction: General Correction				
Comments:				
	Gec1700020 1st review 9/15/17			
	Sheet e01:			
	1. Provide a life safety plan showing egress to the public way to verify if location of the generator hinders access			
	2. Show location of the fuel port for the generator to verify hose does not have to pass within property line/under building for fill			
	3. Plans show the generator next to the building and it appears to be less than the 10' for any exposure to the building			
Correction: General Correction				
Comments:				
	no show			
Planning Review	Status: Fail	Assigned: 12/14/17	Completed: 12/27/17	Giselle Deschamps Ph: email: GiselleDeschamps@miamibeachfl.
Correction: General Correction				
Comments:				
	1. Provide elevation plans that show the height of the generator above grade and BFE for further review. The maximum height of the equipment including attached screening elements, shall not exceed five feet above current flood elevation, with a maximum height not to exceed ten feet above grade, as defined in subsection 114-1, of the lot at which they are located. Revise plans or provide a master permit that shows this			
	2. The generator must be screened from view of the waterway right of way with a physical or landscaped elements typically used for screening. revise plans or provide a master permit that shows this.			
	3. provide a recent signed and sealed survey for further review.			
	4. provide a site plan that shows the proposed setbacks for the propose generator.			
Correction: General Correction				
Comments:				
	1. Based on survey provided, sidewalk is not present on property. As a result, proposed generator and/or any other mechanical equipment must show the height measured from Base Flood Elevation and Crown of Road.			
Structural Review	Status: Fail	Assigned: 12/14/17	Completed: 12/18/17	Adalberto Vicedo Ph: email: AdalbertoVicedo@miamibeachfl.gov
Correction: General Correction				
Comments:				
	GEC1700020			
	2. Please review design to consider the lateral load.			
	3. The masonry wall shall be designed for the following loads at the top: 12194/34=359 lbs/ft (wind horizontal), 504 lbs/ft (wind upward/downward), 303 lbs/ft (weight downward). In addition direct wind on the wall and top of generator (uplift) shall be considered.			
	4. All critical load combinations shall be considered.			
	6. Provide applicable structural notes (concrete, reinforcement, masonry, soil preparation, etc.)			
	7. Clarify generator to wall connection.			
	Further review is required after a complete set of drawings substantiated by calculations are submitted.			

Bldg - PR - Generator - Commercial - New		Version: 5	Date Received: 03/20/2018	Date Completed: 04/02/2018	Status: Fail
Building Review	Status: Pass	Assigned: 3/20/18	Completed: 3/22/18	Miguel Anderson Ph: email: MiguelAnderson@miamibeachfl.gov	
Correction:					
Comments:					
Electrical Review	Status: Pass	Assigned: 3/20/18	Completed: 3/22/18	Eric Merced Ph: email: EricMerced@miamibeachfl.gov	
Correction:					
Comments:					
Fire Building Review	Status: Pass	Assigned: 3/20/18	Completed: 3/23/18	Tom Armstrong Ph: email: TomArmstrong@miamibeachfl.gov	
Correction:					
Comments:					
Flood Review	Status: Fail	Assigned: 3/22/18	Completed: 3/26/18	Herminia Perez Ph: email: HerminiaPerez@miamibeachfl.gov	
Correction: General Correction					
Comments:					
					GEC1700020
					REQUIRED CORRECTIONS:
					1- Provide a note stating "All attendant utilities and equipment will be designed and constructed in compliance with FLOOD RESISTANT DESIGN AND CONSTRUCTION ASCE 24-14 Chapter 7 and City of Miami Beach ordinance Chapter 54 Floods".
					2- New generator and all electrical components shall be elevated to DESIGN FLOOD ELEVATION +9.00' NGVD, correct sheet EM-01.
Mechanical Review	Status: Pass	Assigned: 3/20/18	Completed: 3/24/18	Laura Ferrer Ph: email: LauraFerrer@miamibeachfl.gov	
Correction:					
Comments:					
Planning Review	Status: Pass	Assigned: 3/20/18	Completed: 4/2/18	Giselle Deschamps Ph: email: GiselleDeschamps@miamibeachfl.	
Correction: General Correction					
Comments:					
					1. Based on survey provided, sidewalk is not present on property. As a result, proposed generator and/or any other mechanical equipment must show the height measured from Base Flood Elevation and Crown of Road.
Correction: General Correction					
Comments:					
					1. Provide elevation plans that show the height of the generator above grade and BFE for further review. The maximum height of the equipment including attached screening elements, shall not exceed five feet above current flood elevation, with a maximum height not to exceed ten feet above grade, as defined in subsection 114-1, of the lot at which they are located. Revise plans or provide a master permit that shows this
					2. The generator must be screened from view of the waterway right of way with a physical or landscaped elements typically used for screening. revise plans or provide a master permit that shows this.
					3. provide a recent signed and sealed survey for further review.
					4. provide a site plan that shows the proposed setbacks for the propose generator.
Structural Review	Status: Fail	Assigned: 3/20/18	Completed: 3/23/18	Adalberto Vicedo Ph: email: AdalbertoVicedo@miamibeachfl.gov	
Correction: General Correction					
Comments:					
					GEC1700020
					Previous comments remain unresolved. The proposed support system remains unstable under lateral loads.
Bldg - PR - Generator - Commercial - New		Version: 6	Date Received: 04/18/2018	Date Completed: 04/18/2018	Status: Fail
Flood Review	Status: Not Review	Assigned: 4/18/18	Completed: 4/18/18	Herminia Perez Ph: email: HerminiaPerez@miamibeachfl.gov	
Correction: General Correction					
Comments:					
					GEC1700020
					REQUIRED CORRECTIONS:
					1- Provide a note stating "All attendant utilities and equipment will be designed and constructed in compliance with FLOOD RESISTANT DESIGN AND CONSTRUCTION ASCE 24-14 Chapter 7 and City of Miami Beach ordinance Chapter 54 Floods".
					2- New generator and all electrical components shall be elevated to DESIGN FLOOD ELEVATION +9.00' NGVD, correct sheet EM-01.
Structural Review	Status: Fail	Assigned: 4/18/18	Completed: 4/18/18	Adalberto Vicedo Ph: email: AdalbertoVicedo@miamibeachfl.gov	
Correction: General Correction					
Comments:					
					GEC1700020
					At the 3X review meeting, the engineer agreed to redo drawings and calculations.