

Power Outage Evacuation Procedure
University of South Florida Tampa Campus
Last Revised: 10/1/2018

Purpose: This procedure is to be used to determine the need for evacuation of Tampa campus buildings in the event of an electrical power outage based on each building's generator presence and the extent of the power restoration capability of each building's associated generator, if available. Please note that there are a number of factors required for the output of functional generator power to a building and the use of this procedure assumes that generator and life safety systems are operating as designed and are functional during the power outage.

For the purposes of this procedure, emergency lighting in buildings with entire facility and emergency lightning/life safety generator capability are being categorized as not having battery backups. Therefore, if a generator fails to operate or is not operational to a building, then exit lighting will not be operational. If a power outage occurs in a building with a generator that fails to operate at night or if occupants are in an area of a building with no ambient outdoor lighting, then assistance to evacuate occupants with flashlights or similar means may be required.

Information used in this procedure is being derived from current best available information and may be subject to field verification and revision. This document will need to be updated as building locations are added, renovated, and modified on the Tampa Campus.

- **It should be noted that at any time during a power outage, USF's Facilities Management Environmental Health & Safety (EH&S) Department and/or the State Fire Marshall's (SFM) Office and their designated representative(s) have the authority to override these power outage evacuation procedures for a building or buildings due to life safety and health concerns.**

This procedure is specific to the evacuation procedures during a power outage only. It should be noted that if there is a life safety hazard condition within the building (such as but not limited to: fire alarm activation, heat and/or visible flames or smoke, dangerous chemical and/or biological releases, threat of explosion, etc.), then the building should be evacuated immediately following the proper Emergency Evacuation plan for the building.

This procedure does not currently take into account the type of generator fuel (i.e., diesel, propane, or natural gas).

Conditions in which a building must be evacuated or a fire watch implemented per Florida Fire Prevention Code:

- If the fire alarm system is inoperable for four (4) or more hours within a twenty-four (24) hour period, then the building must be evacuated or a fire watch must be established per Florida Fire Prevention Code. The State Fire Marshal's Office must be notified of the equipment failure and that a fire watch is being implemented. The State Fire Marshal's Office must also be notified once the equipment is returned to operation.
- If the alarm system is functional but a required fire protection system (i.e., automatic sprinkler system) is out of service for more than four (4) hours in a 24-hour period, then one (1) of the following must occur:

- Evacuation of the building or portion of the building affected by the system out of service **or**
- Implement an approved fire watch with notification being given to the State Fire Marshal's Office upon implementation of and upon termination. A Fire Watch Log Sheet from EH&S should be used to document the duration of the fire watch. In addition, the USF Police Dispatch Center should also be notified at 974-2628 upon implementation and termination of the fire watch.

The following additional measures should also be implemented if an automatic sprinkler system is out of service for 4 hours within a 24 hour period:

- Establishment of temporary water supply.
- Establishment and implementation of an approved program to eliminate potential ignition sources and limit the amount of fuel available to a potential fire.

It should be noted that buildings with only emergency lighting/life safety generator capability, do not have ventilation when on generator power. In buildings without ventilation, consideration to evacuate should be based on whether or not the building has windows or doors that are able to be opened to the outdoors to provide fresh air to indoor occupants. It should be noted that opening of windows to provide fresh air to occupants assumes that outdoor air does not contain any contaminants of concern or any otherwise respirable hazards for indoor occupants.

Power Outage Evacuation Procedure Building Categories:

USF Tampa campus buildings are being grouped in the following six (6) categories for this procedure:

- A. Buildings with Entire Facility Generator Capacity
- B. Buildings with Generators Powering Emergency Lighting/Life Safety Functions
- C. Residential Buildings with Generators Powering Emergency Lighting and Ventilation.
- D. Residential Buildings with Generators Powering Emergency Lighting with Openable Windows
- E. Buildings without Generator Power
- F. Buildings Not Included in the Procedure.

- Each building is color-coded based on the 6 building categories listed above on the attached **Tampa Campus Map** at the end of this procedure.

A. Buildings with Entire Facility Generator Capacity

Buildings listed in **Table A** of the **Appendix** section have generators that are designed to power the entire building in the event of a power outage. As long as the ventilation system remains operational on generator power and no smoke, hazardous spills of a chemical and/or biological nature, or any other hazards are present inside the building, then occupants can remain inside the facility unless otherwise instructed by EH&S and/or the SFM.

- **The intent of entire facility generator capacity is to allow for the continuation of functional ventilation during a power outage to protect indoor occupants. Occupants should not begin**

long term operations within fume hoods and should begin to stabilize and suspend any experiments or processes that they are working on in case of a long term power outage.

Fire safety considerations for evacuating buildings with entire facility powered backup generators:

- It should be assumed that the fire alarm system is **not** powered by the generator. The fire alarm with full battery power should remain functional during a power outage for a duration of 24 hours. For a power outage lasting a duration of 24 hours or more, EH&S or the SFM will make the decision to evacuate the building or establish a fire watch.

Evacuation Procedure for Category A Buildings:

- **Facilities Management or appropriate facility personnel will determine the projected length of power failure.**
- **Occupants should not begin long term operations within fume hoods and should begin to stabilize and suspend any experiments or processes that they are working on in case of a long term power outage.**
- **Should generator power fail or become non-operational, a fire watch or building evacuation will be implemented, dependent on building specific specifications.**
- **Questions should be directed to the Facilities Management Service Center at 974-2845.**

B. Buildings with Generators Powering Emergency Lighting/Life Safety Functions

Buildings listed in **Table B** of the **Appendix** section have generator power that have the capacity to power emergency lighting/life safety functions (in addition to additional functions handled by generator load in some areas).

- **Most buildings on campus that have generator powered emergency lighting/life safety capability do not have battery back-up capability on emergency lights. If the generator is not operational to this facility, then emergency lighting will not function and an evacuation should be implemented.**
- **Ventilation (i.e., air conditioning and heating and exhaust fans) will not function under generator power.**

Evacuation Procedure for Category C Buildings:

- **Facilities Management or appropriate facility personnel will determine the projected length of power failure.**
- **Elevators should not be used while building is under generator power.**

- Should generator power fail or become non-operational, a building evacuation should be implemented. Evacuation decision assumes that conditions outside of the building are not of a hazardous nature (i.e., inclement weather, etc.)
- Emergency lighting illumination will be functional as long as the generator is operational for these buildings.
- Ventilation to these buildings is not operational under generator power.
- Questions should be directed to the Facilities Management Service Center at 974-2845.

C. Residential Buildings with Generators Powering Emergency Lighting and Ventilation

Buildings listed in **Table C** of the **Appendix** section are part of Housing & Residential Education and have generators that have the capacity to power emergency lighting/life safety functions and ventilation. Windows in these buildings cannot be opened in the event of a power outage.

Evacuation Procedure for Category C Residential Housing Buildings:

- Facilities Management and/or the appropriate Residential Housing personnel will determine the projected length of power failure. The decision to evacuate Residential Housing buildings will be coordinated with appropriate Residential Housing personnel.
- Do not use elevators while building is under generator power.
- Emergency lighting illumination and ventilation will be functional as long as generator is operational for these buildings.
- Questions should be directed to the Facilities Management Service Center at 974-2845.

D. Residential Buildings with Generators Powering Emergency Lighting with Openable Windows

Buildings listed in **Table D** of the **Appendix** section are part of Housing & Residential Education and have generators that have the capacity to power emergency lighting/life safety functions. Windows in these buildings can be opened in the event of a power outage, as long as outdoor air surrounding the building does not contain contaminants (i.e., generator exhaust fumes, etc.), and provides an acceptable source of natural ventilation.

Evacuation Procedure for Category D Residential Housing Buildings:

- Facilities Management and/or the appropriate Residential Housing personnel will determine the projected length of power failure. The decision to evacuate Residential Housing buildings will be coordinated with appropriate Residential Housing personnel.
- Increase ventilation by opening windows. Move from darkened areas with no windows or natural lighting.

- Do not use elevators while building is under generator power.
- Emergency lighting illumination will be functional as long as generator is operational for these buildings.
- Questions should be directed to the Facilities Management Service Center at 974-2845.

E. Buildings without Generator Power

Buildings listed in **Table E** of the **Appendix** do not have generator power.

- Emergency lighting illumination will be functional for a total period of 90 minutes in these buildings (assuming full battery power at the time of power outage).

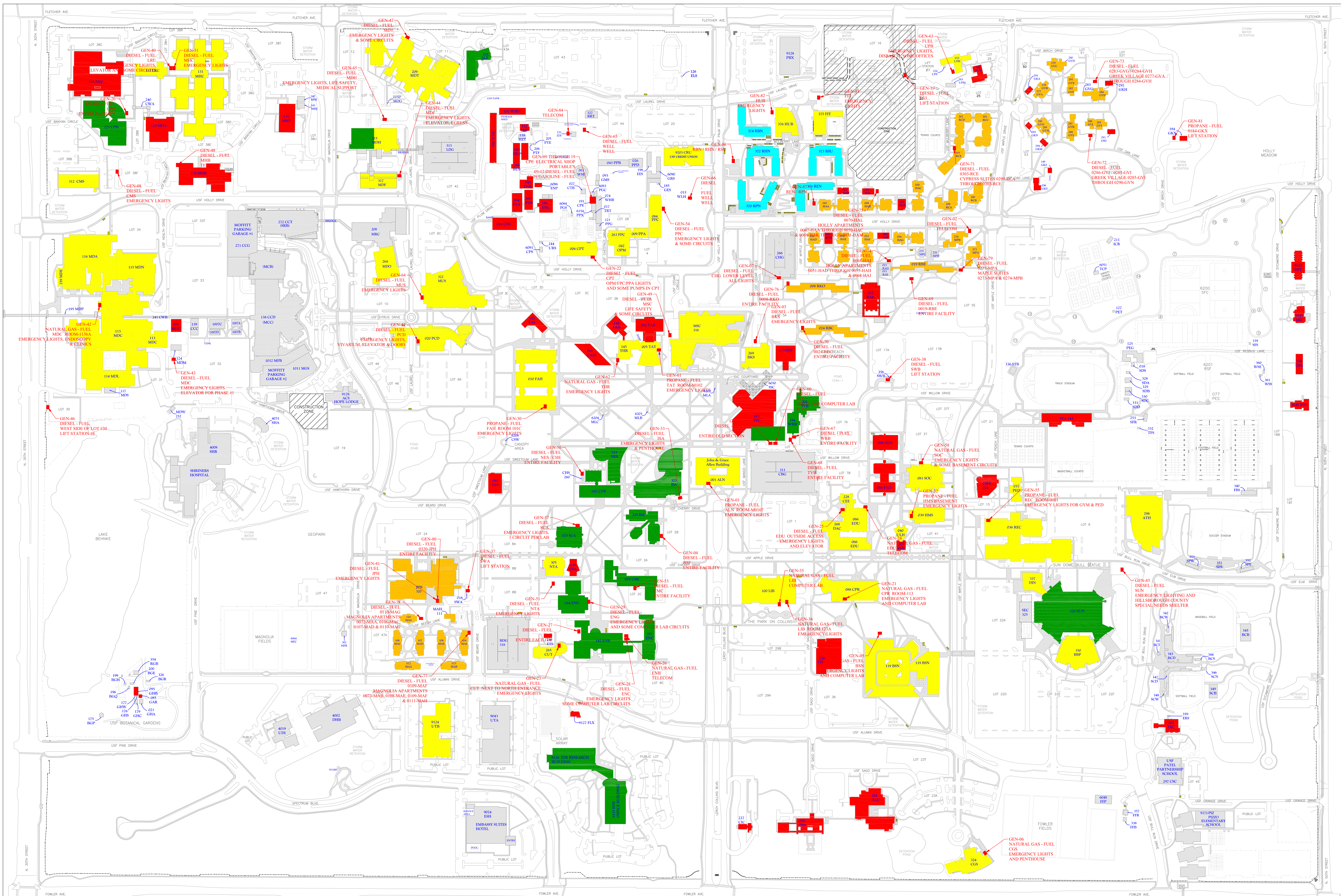
Evacuation Procedure for Category E Buildings:

- Facilities Management or appropriate facility personnel will determine the projected length of power failure.
- No generator power, therefore building ventilation and elevators will not be operable.
- Emergency lighting illumination will be functional for a total period of 90 minutes (assuming full battery power at the time of power outage) in these buildings. Occupants should be evacuated from these buildings within 90 minutes of the power outage.
- Questions should be directed to the Facilities Management Service Center at 974-2845.

F. Buildings Not Included in the Procedure

Campus parking garages (BDG, CBG, CHG, and LDG), CCG-Moffitt Center Parking Garage (#271), and MGS-Moffitt Parking Garage #2 (#1011), and additional buildings listed in **Table F** of the **Appendix** are not included in the power outage evacuation procedure and should follow the minimum requirements of Florida Fire Prevention Code and their own internal policies/procedures.

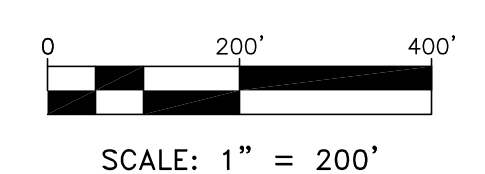
TAMPA CAMPUS MAP



- BUILDINGS WITH "ENTIRE FACILITY" GENERATOR POWER
- BUILDINGS WITH GENERATORS POWERING EMERGENCY LIGHTING/LIFE SAFETY FUNCTIONS
- RESIDENTIAL BUILDINGS WITH GENERATORS POWERING EMERGENCY LIGHTING WITH "OPENABLE WINDOWS"
- BUILDINGS WITHOUT GENERATOR POWER
- BUILDINGS NOT INCLUDED IN THE PROCEDURE

- RESIDENTIAL BUILDINGS WITH GENERATORS SUPPORTING EMERGENCY LIGHTING/LIFE SAFETY FUNCTIONS AND VENTILATION
- EMERGENCY GENERATOR LOCATION

PLEASE NOTE: THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT A CONTRACT DOCUMENT. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION SHOWN ON THIS MAP. THE UNIVERSITY OF SOUTH FLORIDA DOES NOT WARRANT THE ACCURACY OF THE INFORMATION SHOWN ON THIS MAP.



DATE: 09/17/2018
 CHECKED BY: WB
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REVISIONS:



APPENDIX
BUILDING CATEGORY
TABLES A-F

Table A. Buildings with Entire Facility Generator Power Capability

Building Letter Code	Category A: Building Name (Building #)
ALZ	USF Health Byrd Alzheimer's Institute (#335)
BPB	Business Partnership Building (#9125)
BSF	Bioscience Academic Facility (#229)
CHE	Chemistry Building (#002)
CMC	CAS Multidisciplinary Complex (#025)
CPH	College of Public Health Building (#223)
ENB	Engineering Building II (#142)
ENC	Engineering Building III (#101)
ENG	Engineering - Edgar W. Kopp Building (#044)
MDH	Ambulatory Care and Surgery Center (1 st and 2 nd Floor Areas) (#315)
IDR	Interdisciplinary Research Building (#9126)
ISA	Interdisciplinary Science Teaching & Research Facility (#323)
NES	Natural and Environmental Sciences Building (#123)
SCA	Science Center (#075)
SUN	Sun Dome (#120) [Ventilation & Lighting in Designated Shelter Areas]
SVC (Older Section)	Student Services Building (#003) – Older, South Side Section (5 story section with 6 th floor mechanical penthouse)
TVB	WUSF Television Building (#201)
WRB	WUSF Radio Building (#194)

Table B. Buildings with Generators Powering Emergency Lighting/Life Safety Functions

Building Letter Code	Category B: Building Name (Building #)
ALN	John & Grace Allen Building (#001)
ATH	Lee Roy Selmon Athletic Center (#298)
BBP	Pam & Les Muma Basketball Center (#350)
BKS	USF Tampa Bookstore (#269) [includes Student Health Services Annex]
BSN	CH Ferguson Hall / Muma College of Business (#119)
CEE	Stavros Center for Economic Education (#228)
CGS	Patel Center Global Solutions (#324)
CMS	Children's Medical Services Building (#312)
CPR	Russell M. Cooper Hall (#088)
CPT	Central Plant Building (#006) [Gen. Provides Emergency Lighting for OPM/FPC/PPA]
CRU	USF Credit Union Building (9203)
CUT	Center for Urban Transportation Research Building (#265)
DAC	David A. Anchin Center (#268)
DIN	Champion's Choice Dining (#337)
EDU	Education Building (#066)
FAH	Fine Arts Building (#010)
FIT	FIT Wellness (#375)
FPC	Facilities Planning and Construction Building (#263)
HMS	Human Services Building (#039) [Gen. Provides Emergency Lighting for ULH]
HUB	HUB Dining (#376)
LIB	Library (#100)
LRC	Lawton Rhea Chiles Center (#112)
MDA	USF Health Shared Student Administration Building (#116)
MDC	USF Health Morsani College of Medicine Building (#113) [Ventilation for Laboratory Spaces is Included in Generator Capability]

Building Letter Code	Category B: Building Name (Building #)
MDF	Faculty Medical Office Building (#317)
MDH	Morsani Center for Advanced Healthcare (#315) – 3 rd through 7 th floor areas
MDL	USF Health Student Group Learning Building (#114)
MDN	USF Health Nursing Building (#115)
MDO	Former USF Health Eye Institute (#264)
MDT	USF Health Therapy Building (#209)
MHC	College of Behavioral & Community Science Building (#131)
MSC	Phyllis P. Marshall Student Center (#316)
MUS	School of Music Building (#322)
NTA	Nanotech Building (#305)
OPM	Physical Plant Operations Admin. Building (#042)
PED	Physical Education Classroom (#037)
PCD	Psychology and Communication Sciences and Disorders Laboratory Building (#020)
PPA	USF Post Office (#009)
PPC	Maintenance Service Shops Addition (#084)
REC	Recreation Activities Center (#036) [Gen. Provides Emergency Lighting for PED]
SOC	Social Science Building (#081)
TAT	Theatre #1 (#005)
THR	Theatre #2 (#145)
ULH	University Lecture Hall (#040)
UPB	University Police Building (#012)
UTB	University Technology Center 2 (#9124)

Table C. Residential Buildings with Generators Powering Emergency Lighting and Ventilation

Building Letter Code	Category C: Residential Housing Building Name (Building #)
RBN	Beacon Hall (#374)
REN	Endeavor Hall (#371)
RHN	Horizon Hall (#372)
RPN	Pinnacle Hall (#370)
RSU	Summit Hall (#373)

Table D. Residential Buildings with Generators Powering Emergency Lighting with Openable Windows

Building Letter Code	Category D: Residential Housing Building Name (Building #)
GVA	Greek Housing Villa 1 (#277)
GVB	Greek Housing Villa 2 (#278)
GVC	Greek Housing Villa 3 (#279)
GVD	Greek Housing Villa 4 (#280)
GVE	Greek Housing Villa 5 (#281)
GVF	Greek Housing Villa 6 (#282)
GVG	Greek Housing Villa 7 (#283)
GVH	Greek Housing Villa 8 (#284)
GVI	Greek Housing Villa 9 (#285)
GVJ	Greek Housing Villa 10 (#286)
GVK	Greek Housing Villa 11 (#287)
GVL	Greek Housing Villa 12 (#288)
GVM	Greek Housing Villa 13 (#289)
GVN	Greek Housing Villa 14 (#290)
HAA	Holly Drive Apartments – Building A (#047)
HAB	Holly Drive Apartments – Building B (#049)
HAC	Holly Drive Apartments – Building C (#050)
HAD	Holly Drive Apartments – Building D (#051)
HAE	Holly Drive Apartments – Building E (#052)
HAF	Holly Drive Apartments – Building F (#053)
HAG	Holly Drive Apartments – Building G (#054)
HAL	Holly Drive Apartments – Building L (#070)
HAM	Holly Drive Apartments – Building M (#071)
JPH	Juniper-Poplar Hall (#320)
MAA	Magnolia Apartment – Building A (#072)
MAB	Magnolia Apartment – Building B (#073)
MAC	Magnolia Apartment – Building C (#106)
MAD	Magnolia Apartment – Building D (#107)
MAE	Magnolia Apartment – Building E (#108)
MAF	Magnolia Apartment – Building F (#109)
MAG	Magnolia Apartment – Building G (#110)
MPA	Maple Suites A (#273)
MPB	Maple Suites B (#274)
RBC	Betty Castor Hall (#024)
RBE	Beta Hall (#019)
RCA	Cypress Suites A (#299)
RCB	Cypress Suites B (#300)
RCC	Cypress Apartments C (#301)
RCD	Cypress Apartments D (#302)
RCE	Cypress Suites Commons Building (#303)
RKO	Kosove Hall (#008)

Table E. Buildings without Generator Power

Building Letter Code	Category E: Building Name (Building #)
ALC	Sam & Martha Gibbons Alumni Center (#262)
AUX	Auxiliary Services Building (#188)
BEH	Behavioral Sciences Building (#098)
BPT	Baptist College Ministry (#9142)
CAM	Contemporary Art Museum (#192)
CHA	Chapel Center (#9144)
CIC	Campus Information Center (#227)
CIS	Communication & Info. Sciences (#230)
CPE	Central Plant Electrical Shop(#191)
CRS	Central Receiving and Storage Building (#041)
CWY	C.W. Bill Young Hall (#314)
DUP (includes BUS)	Bull Runner Offices [Central Duplicating Warehouse #1] (#065)
ENA	Engineering Teaching Auditorium (#045)
ENL	Engineering Laboratory Building (#186)
ENR	Engineering Research Building (#046)
ERC	Educational Research Center for Child Development (#202)
ETS	Engineering Solar Research Mod. (#249)
FAD	Fine Arts – Dance Building (#144)
FAO	Faculty Office Building (#086)
FAS	Fine Arts Studio (#193)
FLX	Flex House Building (#9127)
FSB	Food Services – Current Pollo Tropical (#307)
GAR	Botanical Gardens Storage Shed (#085)
GHB	Botanical Gardens Office (#095)
GKA	Greek Villa 1 Chapter Room (#291)
GKH	Greek Villa 8 Chapter Room (#292)
GKI	Greek Villa 9 Chapter Room (#293)
GKM	Greek Villa 13 Chapter Room (#294)
GKN	Greek Villa 14 Chapter Room (#295)
GKX	Greek Maintenance Storage (#184)
GKY	Greek Housing Community Building (#296)
GKZ	Greek Village Bath House (#149)
HAH	Holly Drive Apartments – Building H / Mailroom & Laundry (#055)
HAJ	Holly Drive Apartments – Building J (#068)
HAK	Holly Drive Apartments – Building K/Comp. Lab & Laundry (#069)
HAL	Holly Drive Apartments – Building L (#070)
HAM	Holly Drive Apartments – Building M (#071)
HIL	Hillel Jewish Student Center (#9143)
HZF	Hazardous Waste Facility (#212)

Building Letter Code	Category E: Building Name (Building #)
LSA	Life Science Annex (#091)
MAH	Magnolia Commons – Building H (#111)
MDU	USF Health Utilities Building (#102)
MHA	Westside Conference Center (#129)
MHB	Physical Plant Building (#130)
MHF	CBCS Research/Classrooms – Current Bright Horizons Daycare (#132)
MHI	CBCS - Classroom North (#140)
MHJ	CBCS – Classroom South (#141)
MPC	Residential Housing - Maple Multipurpose Building (#275)
MPD	Residential Housing - Maple Life/Learning Center (#276)
NEC	Northwest Education Complex (#133)
PPB	Grounds and Transportation (#043)
PPD	Transportation Inspection and Storage (#026)
PRS	Lifsey House (#255)
PTA	Parking & Transportation Building A (#094)
PTB	Parking & Transportation Building B (#097)
RAD	Residential Housing - Argos D (#023)
RAE	Residential Housing – Argos Building E (#011)
RAR	Argos Center (#022)
REP	Residential Housing – Epsilon Hall (#030)
RIO	Residential Housing – Iota Hall (#057)
RKA	Residential Housing – Kappa Hall (#058)
RLA	Residential Housing – Lambda Hall (#059)
RMU	Residential Housing – Mu Hall (#060)
RQA	Residential Housing – R.I. Quarters A (#031)
RQC	Residential Housing – R.I. Quarters C (#035)
RQD	Residential Housing – R.I. Quarters D (#061)
RQF	Residential Housing – R.I. Quarters F (#063)
RTH	Residential Housing – Theta Hall (#056)
SHS	Student Health Service Building (#213)
STA	Stadium (#143)
SVC	Student Services Building (#003) – Newer, Northwest Section (1 and 2 story sections)
(Newer Northwest Section)	
TAR	Theatre Centre (#082)
UPM	University Police Training Modular (#183)
UTA	University Technology Center 1 (#9043)
WFC	Crosswinds Wesley Foundation (#9145)
WHB	Warehouse Building B (#074)
WHC	Warehouse C (#080)
WHD	Warehouse D (#137)

Table F. Buildings Not Included in the Procedure

Building Letter Code	Category F: Building Name (Building #)
ACS	American Cancer Society Hope Lodge (#9178)
BDG	Beard Drive Parking Garage (#318)
CBG	Collins Boulevard Parking Garage (#311)
CCC	Moffitt Cancer Center Cyclotron Building (#239)
CCD (MCC)	HI Moffitt Cancer Center and Research Institute (#138)
CCG	Moffitt Center Parking Garage (#271)
CCT (SRB)	Moffitt Cancer Center Research Tower (#272)
CDC	Moffitt Child Development Center (#239)
CHG	Crescent Hill Parking Garage (#266)
CSC	USF Patel Partnership School (#297)
DHB	Department of Health Building (#4002)
ESH	Embassy Suites Hotel (#9024)
LDG	Laurel Drive Parking Garage (#313)
MFB	Moffitt Faculty Building (#1012)
MGS	Moffitt Parking Garage #2 (#1101)
MRC	Moffitt Research Center (#208)
PIZ	Hillsborough County Public Schools - Pizzo Elementary School (#9171)
SHR	Shriner's Hospital (#4008)
UDI	University Diagnostic Institute (#4019)