Building structure & Jet set collapse source

1) https://www.ministeriodeeducacion.gob.do/docs/direccion-general-de-gestion-de-riesgos/de3L-r-001-reglamento-sismicopdf.pdf

Brief summary: This source provides information about the official regulations from the Dominican republic that explains the minimum requirement for seismic (earthquake) analysis and design of buildings and structures. The source focuses on making sure that structures can resist earthquakes and remain stable in order to protect human life. This document also gives information about quasi-static—simplified–depending on building height and complexity. I also saw that the document defines different structural systems, such as walls, floor, foundations, and frames.I did find this source useful because i can use in my project to compare the building codes in the DR with the USA

2) https://www.france24.com/en/live-news/20251108-owners-of-collapsed-dominican-nightclub-formally-charged

Brief Description: This source describes how the owners of the club were charged with manslaughter and other crimes because they overloaded the roof and ignored warnings about damage. I selected this source because it clearly shows who is being held responsible for the tragedy and I found this source useful because it states that the Dominican Republic has no law that requires privately owned buildings to have safety inspection, which explains why unsafe buildings can stay open in DR. I think this information supports my project about building safety and disaster prevention. One limitation of this source is that it focuses more on court charges than how new law will be created in DR, but it still gives important information.

3) https://ferrarolaw.com/blog/2021/june/what-causes-buildings-to-collapse/

Brief description: This source explains why buildings collapsed, using the Surfside Champlain Tower south disaster in Florida as an example. This source describes problems such as week foundation, faulty construction, poor quality material, corrosion, lack of strength testing. I selected this source because it clearly explains the technical ideas in a way that is easy to understand and also I really find this source useful because it supports my project about how disasters like this can be prevented. One limitation of this source is its goal is partly to promote legal services, but the background info is still helpful and relevant

4) https://www.wbdg.org/do/secure/hazard-mitigation

Brief description: This source explains how buildings can be designed, built and maintained to reduce damage like earthquakes, floods, hurricanes, tsunamis and wildfires. It also explains hazard mitigation, which means planning and acting before problems before they happen. I selected this source because it shows the proper steps and safety measures that building owners, engineers and contractors should follow to prevent tragedy and even natural disaster. This source is really good because it explains what should be done to avoid tragedies in the future and also it digs on the design of each building and if it is safe or not. One limitation is that it mostly focuses on natural hazards.

5) https://www.congress.gov/crs-product/R47665

Brief description: when I reviewed this source, I learned that building codes are rules that guide how building codes are rules that guide how buildings are designed, built, and maintained. This source explains that building codes are mainly created and enforced by state, local, tribal, and territorial governments, not by one single national authority. This source also explains how many U.S building codes come from model codes that are regularly updated to improve safety. As I continued reading, I found information about how disasters such as building collapses and fires often lead to changes in building code.

6) https://en.wikipedia.org/wiki/Jet_Set_nightclub_roof_collapse

Brief description: When I reviewed this source, I saw that it provides a detailed overview of the Jet Set nightclub roof collapse, and it includes background information on the building, what happened the night of the disaster and the aftermath. I selected this source because it kinda helps me understand the full scope of the tragedy and it gives important context for my website and possible (documentary). I find this source useful because it explains some structural issues, emergency response to this tragedy and the investigation followed. This information in the source will help me explain in my website not only what happened but why it may have happened

7) https://www.youtube.com/watch?v=2DmPcIzsQtM

Brief description: When I was watching this video-podcast, I saw that it provides insight into how the structure of the building responded to stress over time. The expert showed how certain columns and slabs carried more weight than they were designed for, which eventually led to a

chain reaction of failures. This video touches a lot of important things about building structure which will be really helpful for my project to explain the structure of the jet set and how its structure was in bad condition to have the bar open with loud music that made vibrations and then provoke the collapse.

8) https://www.youtube.com/watch?v=UwztsacrrxA

Brief description: When I was watching this video, I noticed that it explains how engineers examine a collapsed structure to understand the sequence of events that led to failure. This video describes how investigators look at drawings, inspect damaged parts, and test materials to see if they met design standards. It also shows that many collapses happen because several small problems occur at the same time, such as aging material, construction errors, or lack of maintenance. These problems can slowly weaken the building over time, making it unsafe. The video helped me understand how important inspections and proper repairs are to prevent disasters.

9) https://www.youtube.com/watch?v=nIOUg5TV5Uc

Brief description: When I was watching this video, I noticed that it shows how different parts of a structure, like columns, beams, and supports, can fail when they are not strong enough or not built correctly. It demonstrates how small weaknesses in one part of a building can affect the entire structure and cause serious damage. The video is useful for my project because it helps me see the connection between design, materials, and stability. By studying these failures, I can better explain how engineers must plan and reinforce buildings carefully to prevent collapse

10) https://www.youtube.com/watch?v=Mzv7c0Fz63g

Brief description: This video shows how homes and buildings are planned and constructed in the Dominican Republic. It explains the steps involved in a building project, starting from preparing the land and laying the foundation to constructing the walls, roof, and finishing touches. The creator also shares lessons learned during the construction process, such as common challenges builders face, how to work with contractors, and important decisions that affect cost and quality. The video includes real footage of construction sites and tools, helping viewers see what happens at each stage of building a property