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| Chubb Exposure Assessment Form  Curtain Wall / Facade |
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|  |  | **Date of Assessment** |  |
|  |  | **Completed By** |  |

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| Project |  |
| Contract Number |  |
| Contractor |  |
| Supervisor |  |
| Activity Start Date |  |
| Expected Completion Date |  |
| No. of Workers |  |

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| Operation | Item # | Exposure | Mitigation / Controls |
| 1. Installation of imbeds/inserts along perimeter of the floor slab. | 1A | Fall exposure of the building when installing imbeds/inserts along the unprotected leading edge. |  |
|  | 1B | Tools/materials falling off building and cascading to ground below. |  |
|  | 1C | Failure to establish a Controlled Access Zone (CAZ) at ground level below and coordinate overhead work with Construction Manager (CM) and other trades, to unsure no work is taking place below the overhead operation. |  |
|  | 1D | Health and respiratory exposures associated with burning/cutting of pour stops along perimeter of corrugated decking. |  |
|  | 1E | Removing of perimeter safety cable to perform work and failure to properly re-install safety cable and netting. |  |
|  | 1F | Utilizing perimeter safety cable as an attachment point for the worker’s Personal Fall Arrest Systems (PFAS). |  |
|  | 1G | Failure to have qualified fire watch in place with all hot work-related activities. |  |
|  | 1H | Failure to ensure JHA completed, approved, and reviewed with crew performing work. |  |
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| 1. Loading material onto the floors. | 2A | Maintenance and Protection of Traffic (MPT) exposures associated with deliveries of material into the site and trucks leaving the site. |  |
|  | 2B | Improper means for workers to ascend and descend to trailer beds to off load material. |  |
|  | 2C | Improper rigging of material required to be hoisted onto on the building. |  |
|  | 2D | Failure to ensure rigging inspection and procedure plans have been implemented and executed. |  |
|  | 2E | Overloading exterior hoist with crates of curtain wall panels. |  |
|  | 2F | Point loading of floor slab with stored material without confirming with PE weight distribution allowability. |  |
|  | 2G | Shifting or stability concerns of panels inside of crates when removing individual panels, to ensure workers will not be crushed by unsecured panels. |  |
|  | 2H | Failure to store curtain wall units on moveable apparatus to allow for easy relocation and movement of material. |  |
|  | 2I | Failure to ensure JHA completed, approved, and reviewed with crew performing work. |  |
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| 1. Erect curtain wall units/panel. | 3A | Fall exposures associated with installation of curtain wall/façade panels along unprotected leading edge of floor slab. |  |
|  | 3B | Failure to ensure engineered fall protection system meeting federal safety fall protection standards is implemented and utilized. |  |
|  | 3C | Failure to verify and document all workers exposed to falls and utilizing PFAS have received specific fall protection training. |  |
|  | 3D | Failure to confirm all hoisting equipment for curtain wall installation has been engineered and approved to perform the specific hoisting/erecting task being performed. |  |
|  | 3E | Failure to ensure all hoisting/erecting equipment is properly secured and anchored to an engineered structure to prevent the equipment from falling off the side of the building. |  |
|  | 3F | Operators of hoisting/erecting equipment have documented certification they have been trained on the specific equipment they are operating and are qualified to operate the equipment. |  |
|  | 3G | Inspection program in place that documents regular inspection of hoisting/erecting equipment. |  |
|  | 3H | Failure to confirm monorail or gantry system utilized to erect curtain wall panels has engineered drawings by qualified PE submitted and approved prior to commencing operation. |  |
|  | 3I | Cantilevered or overhang platform used to hoist/erect curtain wall panels is an approved engineered system designed by a qualified PE and submitted for approval. |  |
|  | 3J | Written procedures in place to ensure regular inspection and maintenance of hoisting/erecting equipment is performed and documented. |  |
|  | 3K | Tethering procedures in place to ensure material cannot fall off the building and cascade down to the ground below. |  |
|  | 3L | Failure to establish a CAZ and coordinate all overhead work with General Contractor/CM and other trades to ensure no unauthorized entry into the area where overhead work is taking place can occur. |  |
|  | 3M | Entry and exit into the building sealed off wherever overhead operations is taking place. |  |
|  | 3N | Failure to establish a CAZ on the working floors where curtain wall erection operations are taking place. |  |
|  | 3O | Failure to re-install removed perimeter safety cable when leaving the work area at any time and at the end of the shift to mitigate leading edge fall protection. |  |
|  | 3P | Failure to inspect all curtain wall panel connections to imbeds/inserts to ensure curtain wall/façade panels are properly anchored and secured. |  |
|  | 3Q | Failure to ensure JHA completed, approved, and reviewed with crew performing work. |  |
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| 1. Replace damaged glass and/or exterior repair work. | 4A | Written procedures submitted, and approved outlining means & methods utilized to inspect and replace damaged glass and exterior repair/punch list work including exterior caulking. |  |
|  | 4B | If the building maintenance units (BMU) will be utilized to perform replacement glass and exterior work on curtain wall/façade, confirmation received that BMU is designed and capable of performing this function. |  |
|  | 4C | Weight and load restrictions understood regarding BMU capacity for number of workers and material before any work take place. |  |
|  | 4D | Procedures determined to address mitigation exposure required to ensure replacement glass does not fall from the building and/or BMU work platform. |  |
|  | 4E | Procedures in place to ensure all equipment and tools including suction cups have a daily and prior to each use inspection protocol. |  |
|  | 4F | Fall exposures and required PFAS addressed associated with glass replacement and exterior façade repairs. |  |
|  | 4G | Failure to ensure JHA completed, approved, and reviewed with crew performing work. |  |
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