

# NYC Derrick Project Stages

## General Planning

- Assess weights and placements of loads
- Assess derrick model & configuration
- Determine derrick location
  - Support on structure
  - Reach for pick and placements
  - Assembly/disassembly space
  - Parking/laydown
- Determine winch location & support
- Assess building for support of loads
- Assess access/means for assembly/disassembly
- Determine pick zone
  - Sufficient clearance from face of building
  - Over-swing of active/occupied space
  - Pedestrian/traffic control
- Research DOB approval status of derrick
- Consider creating a controlled access zone around the winch

## Planning for Existing Buildings

- Seek structural drawings of existing building
- Seek/consult with building EOR
- Invasive probing/reinforcement may be necessary for support
- Access/means to get derrick and winch to the roof and back to the ground
- Vacancy below work area
- Coordinate with active building
- Maintenance of waterproofing
- Possibly utilize and/or leave column stubs for comebacks
- Master Rigger needed

## Planning for New Building

- Usually for dismantling tower crane and/or mechanical picks
- Assembly is usually using tower crane
- Removal is usually with construction hoist
- Submit imposed loads early to project team to allow for reinforcement to be designed intrinsically
- Submit layout/operational details to project team to plan leave-outs and to coordinate with other trades

## Filing

- CD1 (Prototype) application usually must be amended
- CD2 (Registration) must be up-to-date for current configuration
- Master/Tower Rigger needed for tower crane dismantling
- CD4 (on-site) application must be consistent with CD2
- C&D unit performs unassembled inspection of components on the roof
- C&D unit performs assembled inspection & witnesses load test
- CD8-AD must be submitted