



NT-SS Field Commissioning Activities

Shake Shack – McKinney, TX Commissioning Activities

Activity 1: (Just before break-ground)

Kick-Off Video Presentation:

- What is commissioning
- Communication plan and resource HUB
 - o Team
 - o Checklist (FIV, Readiness, FPT)
 - o Issues & RFI's
 - o Files
- FIV inspection
- Pre-Commissioning Readiness
- FPT inspections
- Close-out

Activity 2 (Below Slab Inspection): 2 weeks prior to scheduled inspection

- Send out/Share FIV inspection checklist
 - o Underground
 - SS, GC, Plumber, Electrician
 - NTAB communication Team will contact trades to ensure they reviewed and understood checklist and requirements
- During inspection Issues will be developed and shared while on site.
- Trade will be required to acknowledge issue
- Issue must be documented and resolved prior to pouring back the slab
- Send Inspection report

Activity 3 (In-Wall Inspection): 2 weeks prior to scheduled inspection

- Send out/Share FIV inspection checklist
 - o In-Wall
 - SS, GC, Plumber, Electrician
 - NTAB communication Team will contact trades to ensure they reviewed and understood checklist and requirements
- During inspection Issues will be developed and shared while on site.
- Trade will be required to acknowledge issue
- Issue must be documented and resolved prior to closing walls



- Send Inspection report

Activity 4 (Above Ceiling/Roof): 2 weeks prior to scheduled inspection

- Send out/Share FIV inspection checklist
 - o Above Ceiling / Roof
 - SS, GC, Plumber, Electrician, Mechanical, Sprinkler
 - NTAB communication Team will contact trades to ensure they reviewed and understood checklist and requirements
- During inspection Issues will be developed and shared while on site.
- Trade will be required to acknowledge issue
- Issue must be documented and resolved prior to closing walls
- Send Inspection report

Activity 5 (Pre-Commissioning Readiness): 2 weeks prior to scheduled inspection

- Send out/Share Pre-Commissioning Readiness Checklist
 - o Final Equipment Installation Validation
 - SS, GC, Plumber, Electrician, Mechanical, Sprinkler, Fire Suppression
 - NTAB communication Team will contact trades to ensure they reviewed and understood checklist and requirements
- Readiness checklist must be completed prior to Scheduling on-site CxA activities
- Startups must be completed by HVAC & Plumbing Trades
- Successful finals must be completed by sprinkler and suppression trades
- TAB must be completed

Activity 6 (FPT Test): 1 weeks prior to scheduled inspection

Send out / Share FPT test Checklist

- Day 1: Schedule 2 hours on site with each trade to go over final installation details, Setup, Startup details, interlocks & SOO.
- Day 2-4: Upon validating each section NT will commence the Cx functions
- Trade must return prior to end of day 4 if any resolutions are required for full functional performance of the equipment/systems



- Lighting controls provider must be scheduled to be on site to validate lighting startup during the FPT test dates

Activity 7 (Close-Out): 1 week after commissioning activities

Validate all final warranty documents have been uploaded and are enforceable

Validate operational team has scheduled required training

Validate O/M manuals are available to operations team and stored in appropriate place

Send final report