

GC REQUIREMENTS FOR STARBUCKS GREENER STORES

PRE-CHECKED ITEMS ARE LEED PREREQUISITES FOR NEW AND RELOCATED COMPANY OWNED STORES. PLEASE REFER TO THE LEED SCORECARD TO VERIFY TARGETED CREDITS.

BEFORE CONSTRUCTION

- TALK TO WASTE HAULER TO MAKE SURE THEY CAN RECYCLE AT LEAST 50% OF YOUR CONSTRUCTION WASTE.
 - YOU WILL NEED TO SUBMIT DUMP TICKETS AND DIVERSION RATES SHOWING AT LEAST 50% WAS RECYCLED.
- CONFIRM CO-MINGLED RECYCLER CAN PROVIDE A DIVERSION RATE BASED ON WEIGHT OF INDIVIDUAL RECYCLABLES (WOOD, METAL, ADC, CONCRETE ETC.). DIVERSION RATE CAN BE BY CONTAINER OR A FACILITY WIDE AVERAGE (MONTHLY OR ANNUAL). VISUAL CLASSIFICATION IS NOT ACCEPTABLE.
- SOURCE-SEPARATED RECYCLABLES DO NOT NEED A PUBLISHED DIVERSION RATE AND CAN BE ASSUMED TO BE 100%.
- REVIEW IAQ MANAGEMENT PLAN WITH PROJECT TEAM (FOUND IN THE GC ADMINISTRATION HANDBOOK).
- REVIEW PRE-APPROVED PRODUCT LIST WITH PROJECT TEAM (FOUND IN THE GC ADMINISTRATION HANDBOOK).
- ENSURE THAT THE ENTIRE CONSTRUCTION TEAM, INCLUDING SUB-CONTRACTORS, ARE AWARE OF THEIR LEED ROLES AND RESPONSIBILITIES.

DURING CONSTRUCTION

- INSTALL LOW-FLOW TOILETS AND AERATORS (1.28 GPF OR BETTER, 0.5 GPM AERATORS, 1.2 GPM PRE-RINSE SPRAY VALVE).
- KEEP TRACK OF DUMP TICKETS.
- KEEP TRACK OF ADHESIVES, SEALANTS, PAINTS AND OTHER Eqc4 PRODUCTS USED.
- POST IAQ MANAGEMENT PLAN ON THE JOB SITE.
- POST PRE-APPROVED PRODUCT LIST.
- COMPLETE 2 SITE INSPECTION CHECKLISTS TO VERIFY BEST PRACTICES USED FOR MAINTAINING GOOD INDOOR AIR QUALITY DURING CONSTRUCTION. PHOTOS CAN HELP DOCUMENT THESE:
 - CLEAN WORK SITE AT BEGINNING OR END OF EACH DAY TO CONTROL DUST. MAKE SURE DUCT WORK IS DELIVERED WITH ENDS COVERED.
 - PROTECT DUCTWORK BY SEALING OPENINGS IMMEDIATELY AFTER INSTALLATION.
 - IF THE USE OF THE PERMANENT HVAC EQUIPMENT IS UNAVOIDABLE DURING CONSTRUCTION, INSTALL A TEMPORARY MERV 8 FILTER ON ALL SUPPLY AND RETURN GRILLES AND OPENINGS. TO BE REPLACED WITH NEW MERV 8 FILTERS BEFORE TAB WORK AND FINAL SYSTEM COMMISSIONING.
 - USE WALK-OFF MATS AT ENTRIES FOR DUST CONTROL.
 - USE FAN OR OTHER METHOD OF CLEARING DUST FROM AIR DURING CONSTRUCTION.
 - KEEP DELIVERED BUT NOT-YET-INSTALLED EQUIPMENT/MATERIALS COVERED IN PLASTIC AND RAISED OFF OF THE GROUND TO PREVENT MOISTURE DAMAGE.
 - DO NOT INSTALL CONTAMINATED MATERIALS.
 - POST NO SMOKING SIGN.
 - USE LOW VOC PRODUCTS, AS PER PRE-APPROVED LIST, OR VERIFIED VIA MSD SHEETS.
 - USE ELECTRIC TOOLS WITH VACUUM-ASSIST, NOT GAS-POWERED TOOLS.
 - CUT AND FABRICATE MATERIALS OUTSIDE WHENEVER POSSIBLE.

AT END OF CONSTRUCTION

- SUBMIT:**
- TAB REPORT, WITH ACTUAL OUTSIDE AIR VOLUMES INDICATED AND BALANCED AS PER DESIGN CFM ON DRAWINGS.
 - TWO IAQ SITE INSPECTION CHECKLISTS.
 - SIGNED Eqc4 AFFIDAVIT -OR- FILL OUT Eqc4 REPORT IF USED NON-PREAPPROVED PRODUCTS FOR LOW-EMITTING MATERIALS: PAINTS, COATINGS, ADHESIVES, SEALANTS, CEILINGS, WALLS AND COMPOSITE WOOD PRODUCTS.
 - CONSTRUCTION WASTE MANAGEMENT REPORT.
 - PROOF OF CONSTRUCTION WASTE DIVERSION RATE VIA DUMP TICKETS, SUMMARY REPORT OR RECYCLING FACILITY DIVERSION RATE.
- VERIFY:**
- ENSURE LOW-FLOW FIXTURES ARE INSTALLED:
 - TOILETS: 1.28 GPF OR BETTER
 - HAND SINKS: 0.5 GPM AERATORS
 - PRE-RINSE SPRAY VALVE: 1.2 GPM
 - BICYCLE RACK IS INSTALLED
 - BICYCLE REPAIR KIT IS ON-SITE
 - ENSURE A COMBINATION OF OVERHANGS AND OR BLINDS ARE INSTALLED FOR ALL WINDOWS TO MITIGATE SOLAR HEAT GAIN AND GLARE.
 - GREEN EDUCATION DISKS ARE INSTALLED AS INDICATED ON DRAWINGS.

CONTRACTOR RESPONSIBILITIES FOR BUILDING COMMISSIONING

CONTRACTOR SHALL PROVIDE SUPPORT AND WORKS AS SPECIFIED, NEEDED AND REQUIRED TO CONDUCT AND FACILITATE STARBUCKS STAFF BUILDING COMMISSIONING EFFORTS. THIS WORK WILL BE COMPRISED OF THREE DISTINCT EFFORTS:

1. SUPPORT STARBUCKS COMMISSIONING AGENT (CXA) DURING INSTALLATION VERIFICATION AND CORRECT DISCLOSED DEFICIENCIES;
2. PERFORM TESTING, ADJUSTING, BALANCING AND SYSTEM STARTUP AND SUPPORT FUNCTIONAL PERFORMANCE TESTING BY STARBUCKS CXA; 3) CORRECT DEFICIENCIES DISCLOSED BY FUNCTIONAL PERFORMANCE TESTING AND SUBMIT REPORTS. CONTRACTOR SHALL PERFORM AND PROVIDE THE FOLLOWING:
 - A. SYSTEMS SUBJECT TO COMMISSIONING MAY INCLUDE, BUT ARE NOT LIMITED TO, DOMESTIC HOT WATER GENERATION, HVAC SYSTEMS, ROOFTOP UNITS, EXHAUST FANS, HVAC CONTROLS, LIGHTING CONTROLS, AIR CURTAINS, BUILT-IN REFRIGERATION EQUIPMENT AND RENEWABLE ENERGY SYSTEMS.
 - B. CONTRACTOR SHALL INCLUDE COMMISSIONING ACTIVITIES IN PROJECT SCHEDULE AND SHOW INTERVALS FOR PERFORMANCE OF WORK FOR WHICH CONTRACTOR IS RESPONSIBLE AND INTERVALS FOR WORK PERFORMED BY STARBUCKS CXA. CONTRACTOR SHALL SHOW RESOURCES FOR PERFORMING ALL WORK RELATED TO COMMISSIONING ACTIVITIES ON A LINE ITEM IN THE SCHEDULE OF VALUES.
 - C. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND ALL CONTRACT DOCUMENTS. ENSURE THAT ALL EQUIPMENT IS INSTALLED TOTALLY COMPLETE AND ACCESSIBLE TO STARBUCKS CXA FOR INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING PRIOR TO THE SCHEDULED START OF INSTALLATION VERIFICATIONS.
 - D. INSTALLATION VERIFICATION SHALL BE PERFORMED BY STARBUCKS' CXA. CONTRACTOR SHALL SUPPORT STARBUCKS CXA INSTALLATION VERIFICATION EFFORTS AS NECESSARY. PROVIDE ALL ACCESS AND EQUIPMENT NECESSARY FOR STARBUCKS STAFF TO VERIFY THAT THE EQUIPMENT IS INSTALLED CORRECTLY.
 - E. CONTRACTOR SHALL BE READILY AVAILABLE DURING INSTALLATION VERIFICATION TO CORRECT ANY DEFICIENCIES OR DEFECTS DISCLOSED BY THE INSTALLATION VERIFICATION PROCESS. CORRECTIONS SHALL BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION OF THE CONSTRUCTION SCHEDULE.
 - F. ALL HVAC, EXHAUST FAN AND AIR CURTAIN EQUIPMENT SHALL BE TESTED, ADJUSTED AND BALANCED BY THE CONTRACTORS TESTING, ADJUSTING AND BALANCE AGENT (SEE TESTING, ADJUSTING AND BALANCING) AFTER THE SYSTEM IS VERIFIED TO BE COMPLETE AND CORRECT BY STARBUCKS CXA, IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DOCUMENTS. ALL HVAC CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE TESTED TO ENSURE THAT THEY OPERATE IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS. DELIVERABLES: PRELIMINARY, WRITTEN TESTING AND AIR BALANCE REPORT CONFORMING TO THE REQUIREMENTS SPECIFIED HEREIN. DOCUMENTING THE INFORMATION SPECIFIED, ETC. TO THE STARBUCKS CXA IMMEDIATELY UPON COMPLETION OF THE WORK.
 - G. CONTRACTOR SHALL INFORM STARBUCKS CXA WHEN EQUIPMENT IS READY FOR FUNCTIONAL PERFORMANCE TESTING. ALL EQUIPMENT SHALL BE READY FOR FUNCTIONAL PERFORMANCE TESTING PRIOR TO STARTING TESTING. CONTRACTOR SHALL OPERATE EQUIPMENT FOR STARBUCKS CXA AND VERIFY BY DEMONSTRATION THE CORRECT OPERATION OF EQUIPMENT, RESPONSE OF SENSORS AND PROPER EXECUTION OF HVAC CONTROL AND LIGHTING SEQUENCES; INCLUDING BUT NOT LIMITED TO AIR MOVEMENT, TEMPERATURE, SOUND AND CONTROL RESPONSE. PROVIDE ANY SECURITY ACCESS, HARDWARE, SOFTWARE OR OTHER SUPPORT AS NEEDED FOR THE STARBUCKS CXA TO EFFICIENTLY WITNESS AND DOCUMENT ALL EQUIPMENT TESTING. STARBUCKS CXA WILL RECORD TEST EQUIPMENT OPERATION AND RESPONSE TO TESTING SEQUENCES AND PREPARE A LIST OF ANY DEFICIENCIES DISCLOSED BY THE FUNCTIONAL PERFORMANCE TESTS FOR CORRECTION BY THE CONTRACTOR. EQUIPMENT INCLUDES BUT IS NOT LIMITED TO, AIR HANDLING UNITS, ROOFTOP AND SPLIT TYPE, CONDENSING UNITS, EXHAUST FANS, LIGHTING CONTROLS, ETC. DELIVERABLES: PROVIDE COMPLETED COPIES OF ALL START UP REPORTS, FILLED OUT ON THE MANUFACTURERS FORMS, TO THE STARBUCKS CXA.
 - H. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES DISCLOSED DURING THE FUNCTIONAL PERFORMANCE TESTING PROCESS. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE.
 - I. CONTRACTOR SHALL BE READILY BE AVAILABLE FOR ANY RE-TESTING OF EQUIPMENT DEEMED NECESSARY BY STARBUCKS CXA DURING INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES FOUND IN THE SYSTEM DURING ANY AND RE-TESTING. CORRECTIONS SHOULD E MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE. DELIVERABLES: FINAL BALANCE REPORT, DEFICIENCIES LIST NOTING CORRECTIVE ACTIONS PERFORMED BY CONTRACTOR IN RESPONSE TO INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TEST RESULTS.
 - J. CONSTRUCTION AND POST CONSTRUCTION TESTING: ADDITIONAL TESTING MAY BE REQUIRED BY LEED AND OTHER PROCESSES THAT MAY OCCUR OUT OF SEQUENCE WITH COMMISSIONING SERVICES. CONTRACTOR SHALL CONDUCT, DOCUMENT, SUPPORT AND SCHEDULE THIS TESTING AS DIRECTED BY STARBUCKS CXA.



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STARBUCKS TEMPLATE VERSION: 2020-02-10

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PRODUCTION DESIGNER: ANDY MCLLOUD
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Revision Schedule			
Rev	Date	By	Description

SHEET TITLE:
LEED INFORMATION

SCALE: NO SCALE

SHEET NUMBER:
G-005

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