

DLR Group inc.

a Kansas corporation

7290 West 133rd Street
Overland Park, KS 66213

06/23/2025

City Of Lee's Summit

220 SE Green Street, Lee' Summit, MO 64063

City Contact: Joe Frogge, Joe.Frogge@cityofls.net, 816 969 1241

Re: MCC Automotive Institute Building Addition and Renovation
500 SW Longview Road, Lee's Summit, Mo 64081
DLR Group Project No.: 13-23128-00
Permit Number: PRCOM20240778
Application Type: Resubmission of Construction Set updates.

Dear Joe,

We are resubmitting the construction documents for the MCC Automotive Institute project to reflect several revisions made during construction. These updates were necessitated by existing conditions and unforeseen circumstances encountered on site.

Please note that the project has been progressing based on the previously permitted set dated **July 25, 2024**, which included Addenda and ASI 01, 02, and 03. The updated set we are submitting now includes clouded changes from **ASI 04 through ASI 09**.

To assist with your review, we have included an attached narrative summarizing the scope and intent of the changes. This resubmission is intended to formally update the City's records with all modifications made during construction to ensure alignment with the approved documentation. Please note there are no updates to the Technology Sheets and Fire Protection Sheets.

Please let us know if you have any questions or require additional information.

Sincerely,

Ishita Banerjii

Project Manager | Senior Associate

ibanerjii@dlrgroup.com

DLR Group

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GENERAL AND DEMOLITION ASI 04 - 09 NARRATIVE

SHEET G0.1 – COVER SHEET

1. Sheet index updated to show the new sheets.

SHEET G2.1 – LEVEL 01 – PHASING PLAN

1. Updated phasing plans based on construction schedule update from the Contractor.

SHEET G2.2 – LEVEL 02 – PHASING PLAN

1. Updated phasing plans based on construction schedule update from the Contractor.

SHEET C1.01 SITE SURVEY

1. Added additional utility lines discovered during construction

SHEET C1.10 OVERALL DEMOLITION PLAN

1. Additional utility demolition due to the discovery of additional utilities during construction.

SHEET AD1.1 – LEVEL 01 – DEMOLITION PLAN

1. Additional demolition scope identified during course on construction in the new Welding room as clouded ASI 09.

SHEET PD2.1B – LEVEL 01 - AREA B - DEMOLITION PLAN

1. Added note to remove existing plumbing equipment and piping back to mains in new welding room.

SHEET MD1.1B – LEVEL 01 - AREA B – HVAC DEMOLITION PLAN

1. Added note to remove existing HVAC equipment, ductwork back to mains, and HVAC piping back to mains in new and existing welding rooms.

CIVIL ASI 04-09 NARRATIVE

SHEET C2.10 OVERALL SITE PLAN

1. Reconfiguration of utility yard
2. Added ADA parking stalls in lower east parking lot

SHEET C2.11 SITE LAYOUT PLAN

1. Reconfiguration of utility yard
2. Added ADA parking stalls in lower east parking lot

SHEET C2.12 SITE PAVING, STRIPING, AND SIGNAGE PLAN

1. Added ADA parking stalls in lower east parking lot

SHEET C3.10 OVERALL GRADING PLAN

1. Revised grading in the utility yard
2. Revised grading on sidewalk between the new building and the lower east parking lot

SHEET C4.10 OVERALL UTILITY PLAN

1. Realigned new water line to new hydrant near existing parking lot
2. Provided additional gas line per revised location of existing gas line
3. Realigned storm sewer within the utility yard area
4. Added an additional water service line to the new building
5. Revised storm line downstream of the detention outfall structure

SHEET C4.21 STORM SEWER PLAN

1. Revised plan and profile due to rerouting of storm line through the utility yard

SHEET C4.22 STORMWATER DETENTION DETAILS

1. Added additional opening on west face of outfall structure

SHEET C4.41 WATER MAIN & SERVICE PLAN

1. Realigned new water line to new hydrant near existing parking lot
2. Added an additional water service line to the new building
3. Removed private water meters

ARCHITECTURAL ASI 04-09 NARRATIVE

SHEET A1.1A – LEVEL 01 - AREA A - FLOOR PLAN

1. Updated underslab plan due to footing changes based on PEMB sizes.

SHEET A1.1A – LEVEL 01 - AREA A - FLOOR PLAN

1. Detail callouts added at wall to storefront connections and furring walls removed at column.
2. Wall type revised at Men's restroom to allow for ADA radius clearances in the shower.
3. Wall in lobby extend through the lobby, storefront AA adjusted to accommodate furring wall.
4. Detail 1F/A9.1 expansion joint added.
5. Updated column grids and column size based on PEMB shops as issued in ASI 05.
6. Updated Floor box outs in bays 2 and 4 based on equipment sizes as issued in ASI 06.
7. Updated Interior Storefront elevations EE based on PEMB column sizes.
8. Revised access ladder location in A121.1.

SHEET A1.1ALT – LEVEL 01 - AREA A – FLOOR PLAN BID ALTERNATE #1

1. Storefront C location adjusted, updated dimension.
2. Detail 2A/A9.2 added.
3. Updated column grids and column size based on PEMB shops as issued in ASI 05.

SHEET A1.1B – LEVEL 01 - AREA B – FLOOR PLAN

1. Compressor Room B111A added.
2. Added wall infill in Welding B103.
3. Updated extents of Tool Room B125 due to existing footing location.

SHEET A1.2A – LEVEL 02 AREA A – FLOOR PLAN

1. Access Panel added to mezzanine wall and sheet notes updated.
2. Added door from A208 to A203.

SHEET A1.2ALT – LEVEL 02 AREA A – FLOOR PLAN BID ALTERNATE #1

1. Sheet added to indicate the extents of the Extended Bay floor plan.

SHEET A2.1 – ENLARGED FLOOR PLANS

1. Dimensions updated to allow for ADA radius clearances at the showers in the Men's and Women's Restrooms.

SHEET A3.1A – LEVEL 01 – AREA A – REFLECTED CEILING PLAN

1. Updated structure to support cordreels and hose reels as part of PEMB coordination.

SHEET A3.1ALT – LEVEL 01 – AREA A – REFLECTED CEILING PLAN BID ALTERNATE #1

1. Sheet added to indicate the reflected ceiling plan of the extend bay

SHEET A3.1B – LEVEL 01 – AREA B – REFLECTED CEILING PLAN

1. Updates to CB125 Ceiling plan lighting location.

SHEET A5.1 – BUILDING SECTIONS

1. Building section added for Bid Alternate #1, Extended Bay.

SHEET A6.2 – WALL SECTIONS

1. Updated clerestory height at Wall section 1.

SHEET A7.1 – VERTICAL CIRCULATION PLANS

1. Section 2E/A7.1 added to account for hoist beam & shaft clearances required by elevator manufacturer.

2. Sections 2E and 2F have been updated to show a sloped flat roof in place of a hipped roof above the elevator.
3. Updated stair width at details 5A and 5B as part of PEMB coordination.
4. Added detail 3C for Tool Room Stair.

SHEET A8.2 – DOOR & FRAME TYPE & SCHEDULE

1. Door B111A added to the door schedule.

SHEET A8.3 – EXTERIOR FRAME ELEVATIONS

1. Storefront elevation Z adjusted.

SHEET A8.4 – INTERIOR FRAME ELEVATIONS

1. Storefront elevation AA, EE, HH and V adjusted to accommodate the new size between columns due to PEMB shops.

SHEET A9.1 – EXTERIOR DETAILS

1. Detail 1F/A9.1 added. Expansion joint detail added as part of RFI-185.
2. Detail 1D/A9.1 updated for termination bar.
3. Detail 3b/A9.1 updated to reflect site conditions.

SHEET A9.2 – EXTERIOR DETAILS

1. Details 2A & 1B added per RFI-187.

SHEET A10.4 – INTERIOR ELEVATIONS

1. Added detail 2E for Tool Room Elevation.

SHEET A11.3 – INTERIOR DETAILS

1. Updated column detail 5D to reflect correct column size.

SHEET A12.01 – FINISH SCHEDULES

1. Updated finishes based on Owner request.

SHEET A12.1B – LEVEL 01 -AREA B – FINISH PLAN

1. Compressor Room B111A and finishes added.

SHEET A14.1 – AUTOMOTIVE EQUIPMENT PLAN & SCHEDULE

1. Equipment layouts adjusted to accommodate the new compressor location.

SHEET A14.3 – DIESEL EQUIPMENT PLAN & SCHEDULE

1. Equipment layouts adjusted to accommodate the new compressor room.

STRUCTURAL ASI 05 NARRATIVE

SHEET S0.4 – EXPANION JOINT & GRID GEOMETRY PLAN

1. Modification of grids to align with PEMB shop drawings.

SHEET S1.1A – LEVEL 01 – FOUNDATION PLAN – AREA A

1. Modifications to foundation sizes based on PEMB shop drawings and final reactions.
2. Elevation changes to foundations for the routing of conduit lines.

SHEET S1.2A – LEVEL 02 – FRAMING PLAN – AREA A

1. Removal of Unistrut structure. PEMB supplier to provide steel to support hanging material.

SHEET S1.3A – LEVEL 03 – FRAMING PLAN – AREA A

1. Removal of Unistrut structure. PEMB supplier to provide steel to support hanging material.
2. Modification of grids to align with PEMB shop drawings

SHEET S1.2A – LEVEL 02 – FRAMING PLAN – AREA A

1. Removal of Unistrut structure. PEMB supplier to provide steel to support hanging material.
2. Modification of grids to align with PEMB shop drawings.
3. Modifications to foundation sizes based on PEMB shop drawings and final reactions.

SHEET S3.1 – CONCRETE TYPICAL DETAILS

1. Footing changes and rebar amount to spread footing schedule from modifications to foundation sizes based on PEMB shop drawings and final reactions.

SHEET S3.2 – CONCRETE TYPICAL DETAILS

1. Update to pedestal schedule for new size from elevation changes to foundations for routing of conduit line

SHEET S5.6 – STEEL SECTIONS

1. Removal of Unistrut details that are no longer needed.

STRUCTURAL ASI 06 NARRATIVE

SHEET S1.1A – LEVEL 01 – FOUNDATION PLAN – AREA A

1. Modifications to slab depression locations.
2. Updated elevation changes to foundations for the routing of conduit lines.
3. Change of details on S3.5 based on field verification of existing grade beam. Slab edge moved outside of existing grade beam. Grade beam was not formed poured.

SHEET S1.1B – LEVEL 01 – FOUNDATION PLAN – AREA A

1. Change of details on S3.5 based on field verification of existing grade beam. Slab edge moved outside of existing grade beam. Grade beam was not formed poured.

SHEET S1.2A – LEVEL 02 – FRAMING PLAN – AREA A

1. Modifications to slab edge and column location per PEMB shop drawings

SHEET S3.5 – CONCRETE SECTIONS

1. Change of details based on field verification of existing grade beam. Slab edge moved outside of existing grade beam. Grade beam was not formed poured.

STRUCTURAL ASI 08 NARRATIVE

SHEET S1.2A – LEVEL 02 – FRAMING PLAN – AREA A

1. Addition of Unistrut structure for exhaust hose and core reels

SHEET S1.3A – LEVEL 02 – FRAMING PLAN – AREA A

1. Addition of Unistrut structure for exhaust hose and core reels

SHEET S5.7 – STEEL SECTIONS

1. New details for Unistrut structure

PLUMBING ASI 06, 07 & 09 NARRATIVE

SHEET P1.1A – LEVEL 0 - AREA A - UNDERGROUND PLUMBING PLAN

1. Added 4" FD-1 floor drains to recessed slabs for vehicle lifts. Routed piping to oil waste main to oil water separator.
2. Revised underground sanitary and underslab drainage pipe routing slightly to avoid recessed slabs
3. Removed floor drains and associated sanitary and vent piping (back to mains) in Shower A111 and Shower A113.

SHEET P2.1A – LEVEL 01 - AREA A - PLUMBING PLAN

1. Removed gas piping serving removed unit heater in tool room B125.
2. Removed floor drains and associated sanitary and vent piping (back to mains) in Shower A111 and Shower A113.
3. Remove air compressor, AC-2, and associated compressed air main piping to 2nd level plan.
4. Locate existing Elgi air compressor, AC-3, and associated air dryer and filter.
5. Revise compressed air piping to include human height isolation valves to isolate both compressed air zones on each side of 2nd level walkway.
6. Revise compressed air piping for new location of air compressor serving area A compressed air system.
7. Relocate compressed air hose reels.
 - a. Includes addition of (2) compressed air hose reels
 - b. Add note for contractor to coordinate exact locations and quantities with owner before installation.

SHEET P2.1A ALT – AREA A - PLUMBING PLANS BID ALTERNATE #1

1. Relocate compressed hose reels.
 - a. Add note for contractor to coordinate exact locations and quantities with owner before installation.
2. Re-route compressed air piping for new compressed air hose reel locations.

SHEET P2.1B – LEVEL 01 - AREA B - PLUMBING PLAN

1. Removed gas piping serving removed unit heater in tool room B125.
2. Route new compressed air piping from new air compressor location to compressed air piping main.
3. Place new location of AC-1 and AC-2.

SHEET P2.2A – LEVEL 02 - AREA A - PLUMBING PLAN

1. Re-route compressed air piping for new compressed air hose reel locations and revised compressed air piping strategy.
2. Re-size compressed air piping mains for increased compressed air volume.

SHEET P2.2B – LEVEL 02 - AREA B - PLUMBING PLAN

1. Re-route compressed air piping to new air compressor location.
2. Re-size compressed air piping mains for increased compressed air volume and length.

SHEET P4.2 – NATURAL GAS RISER DIAGRAM

1. Removed gas piping serving removed unit heater in tool room B125.

SHEET P5.1 – PLUMBING DETAILS

1. Add detail 2C/P5.1 – PIPE PENETRATIONS DETAIL.

SHEET P6.1 – PLUMBING SCHEDULES

1. Added S-1 to DOMESTIC FIXTURE SCHEDULE.
2. Added 4" FD-1 to FLOOR DRAIN SCHEDULE.

3. Revise Air Compressor Schedule.
 - a. Add new Kaishan KRSD 30 HP compressors and remove Quincy air compressors.
 - b. Add information on existing Elgi EG22 air compressor.

MECHANICAL ASI 06, 07 & 09 NARRATIVE

SHEET M1.1A – LEVEL 01 - AREA A - HVAC PLAN

1. Shifted duct drop from mechanical mezzanine in Classroom A117 to accommodate shift of door between mechanical mezzanine and Industry Partner Lab A203.
1. Removed unit heater (UH-B125).
2. Removed exhaust fan (EF-B125) and associated ductwork and grille. Removed louver (L-B125) and associated ductwork, motorized damper (M-B125), electric duct heater (EDC-A125), and grille.
3. Added supply ductwork and D-5 duct mounted grilles supplying 80 CFM each and volume damper to serve part of Tool Room B125 in building link between areas A and B. Added temperature sensor to control VAV-B125.
4. Revised supply airflow to Corridor A126.
5. Added 4"Ø exhaust air duct to exhaust dyno lift recessed slab for dyno vehicle lift.
6. Formal revision for RFI 166 to call out locations for general exhaust fan switches.
7. Formal revision for RFI 166 to call out locations for vehicle exhaust fan switches.
8. Removed mini-split outdoor unit OU-A206.

SHEET M1.1AALT – AREA A - HVAC PLANS BID ALTERNATE #1

1. Formal revision for RFI 166 to call out locations for vehicle exhaust fan switch.
2. Relocate vehicle exhaust hose reels.
3. Raise exhaust ducting and exhaust hose reels.
4. Shift HVLS-A108A over approximately 18'-0" to the north (halfway between next bay of lights) to account for added bay in accepted bid alternate.

SHEET M1.1B – LEVEL 01 - AREA B - HVAC PLAN

1. Modified supply air ductwork to move VAV-A126 inside Tool Room B125 and add VAV-B125 to serve Tool Room B125.
2. Added grille and transfer duct to create air transfer pathway from tool room back to existing AHU-1.
3. Formal revision for RFI 166 to call out locations for general exhaust fan switches.
4. Formal revision for RFI 166 to call out locations for vehicle exhaust fan switches.
5. Formal revision for RFI 167 to call out for location for dust filter switches.
6. Formal revision for RFI 104 to call out radiant heater thermostat location for west third of Collision Lab, temporarily known as the collision flex space.
7. Add transfer grilles between B111 - Diesel Storage and B102 – Diesel Lab.

SHEET M1.2A – LEVEL 02 - AREA A - HVAC PLAN

1. Revised DOAS-A2A supply and ERV-A2A return air ductwork routing to avoid conflict with PEMB structural steel that was deeper than estimated.
2. Revised DOAS-A2A supply and ERV-A2A return air ductwork sizes to reduce pressure drop caused by increased duct length and additional elbows related to rerouting ductwork to avoid PEMB structure.
3. Added 4"Ø exhaust air ductwork continuing from first level up to roof.
4. Relocate vehicle exhaust hose reels.
5. Raise exhaust ducting and exhaust hose reels.
6. Remove mini-split indoor unit IU-A206.

SHEET M1.3 – ROOF - OVERALL - HVAC PLAN

1. Removed roof hood that was associated with EF-B125 that was removed when cooling was added to Tool Room B125.
2. Removed concentric vent assembly associated with UH-B125 that was removed when cooling was added to Tool Room B125.
3. Added exhaust fan, EF-A108L, to exhaust dyno lift recessed area.

SHEET M2.1A – LEVEL 01 - AREA A - PIPING PLAN

1. Modified radiant floor piping block outs to accommodate recessed slab areas for vehicle lifts and their associated control panels.
2. Formal revision addressing new location of radiant floor piping manifolds.
3. Reroute heating hot water piping for revised location of radiant floor piping manifolds.

SHEET M2.1A ALT – LEVEL 01 - AREA A - ALTERNATE PIPING PLAN

1. Modified radiant floor piping block outs to accommodate recessed slab areas for vehicle lifts and their associated control panels.
2. Formal revision for addressing additional radiant floor piping manifold location for added bay in accepted bid alternate.
3. Reroute heating hot water piping for revised location of radiant floor piping manifolds and added piping manifold location for added bay in accepted bid alternate.

SHEET M2.1B – LEVEL 01 - AREA B - PIPING PLAN

1. Added VAV-B125.
2. Modified heating hot water piping to add VAV-B125.

SHEET M2.2A – LEVEL 02 - AREA A - PIPING PLAN

1. Modified IU-A203 and A117 condensate piping to accommodate shift of door between mechanical mezzanine and Industry Partner Lab A203.
2. Reroute heating hot water piping for revised location of radiant floor piping manifolds and added piping manifold location for added bay in accepted bid alternate.

SHEET M5.1 – CONTROLS DIAGRAMS

1. Modified ventilation control sequences to remove EF-B125 and add sequence for EF-A108L.
2. Revise exhaust fan sequence for general exhaust fans in Diesel and Collision Labs to include sequence for exhaust if installed carbon monoxide monitors detect carbon monoxide.

SHEET M8.2 – MECHANICAL SCHEDULES

1. Modified VAV-A126 airflows and coil information.
2. Added VAV-B125 to VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE.

SHEET M8.3 – MECHANICAL SCHEDULES

1. Added EF-A108L and added notes 13-16 to FAN SCHEDULE.

ELECTRICAL ASI 06 – ASI 09 NARRATIVE

SHEET E1.1A – LEVEL 01 – AREA A – LIGHTING PLAN

ASI-07 - Revised B125 lighting controls.

SHEET E1.1A – LEVEL 01 – AREA B – LIGHTING PLAN

ASI-07 - Revised light fixtures in B111 and B125.

SHEET E1.2A – LEVEL 02 – AREA A – LIGHTING PLAN

ASI-07 - Revised light fixtures in A108 and A206.

ASI-09 - Revised light fixtures under exterior canopy, and on screen wall.

SHEET E2.1A – LEVEL 01 – AREA A – POWER PLAN

ASI-06 – Revised/removed device locations in B125 and A108.

ASI-07 – Revised/removed device locations in B125, A108, and A115.

SHEET E2.1ALT – LEVEL 01 – AREA A – ELECTRICAL PLANS – BID ALT #1

ASI-07 – Revised light fixtures in A108.

ASI-09 – Revised light fixtures under exterior canopy, and on screen wall.

SHEET E2.1B – LEVEL 01 – AREA B – POWER PLAN

ASI-06 – Add devices in B112. Revise circuitry of collision equipment.

ASI-07 – Revised/added devices in B125 and B111

SHEET E2.2A – LEVEL 02 – AREA A – POWER PLAN

ASI-07 – Added devices in A203 and A108. Removed devices in A206.

SHEET E5.1-1 – ELECTRICAL DIAGRAMS

ASI-06 – Revised feeder size.

SHEET E5.1-2 – ELECTRICAL DIAGRAMS

ASI-06 – Revised feeder sizes.

SHEET E6.2 – ELECTRICAL DETAILS

ASI-06 – Added detail.

SHEET E7.3 – ELECTRICAL SCHEDULES

ASI-07 – Revised panelboard schedules.

SHEET E7.4 – ELECTRICAL SCHEDULES

ASI-06 – Revised panelboard schedules.

ASI-07 – Revised panelboard schedules.

SHEET E7.5 – ELECTRICAL SCHEDULES

ASI-06 – Revised panelboard schedules.

SHEET E7.6 – ELECTRICAL SCHEDULES

ASI-06 – Removed duct coil.