

GENERAL COMPLIANCE FOR RESIDENTIAL - AS2890.1-2004

RAMP GRADES:

- Maximum grade of 1:20 for 6 metres prior to property boundary.
- Maximum grade of 1:5 for ramps longer than 20 metres.
- Maximum grade of 1:4 for ramps up to 20m in length.
- Maximum change in grade of - 1:8 for summit grade change, and
 - 1:6.7 for sag grade changes.
- Transitions of 2.0m should be adequate for changes in grade larger than above.
- Grades to be measured along shortest distance between two RLs.
 - i.e. on curved ramps grades to be measured along inside edge.

RAMP WIDTHS

- Straight ramps - One way - minimum width 3.0m plus 0.3m clearance on both sides.
 - Two way - minimum width 5.5m plus 0.3m clearance on both sides.
- Curved ramps - minimum inside radius 4.0m.
 - minimum circulation width 3.9m.
 - for two way ramp 0.6m separator between circulation roadways.
 - clearances of 0.3m inside and 0.5m outside to walls and vertical obstructions.
- Intersections between ramps/roadways/aisles should be checked using B99 percentile turning template.

PARKING BAYS

- Residential parking bays 2.4m wide x 5.4m long.
- Visitor parking bays 2.5m wide x 5.4m long.
- Disabled parking bays 2.4m wide x 5.4m long with a 2.4m wide shared zone in accordance with AS2890.6-2009.
- Columns should be set back 0.75m from front of parking bay.
- 0.3m clearance should be provided to adjacent walls.
- Columns, walls and other obstructions should be kept clear of the vehicle design envelope, Figure 5.2 AS2890.1-2004.
- Minimum aisle widths should be - 5.8m to kerb or parking opposite.
 - 6.1m to wall or other vertical obstruction.
- Blind aisles shall be extended 1.0m beyond last parking space.

HEIGHT CLEARANCES TO STRUCTURE AND SERVICES

- 2.2m minimum clearance above circulation aisles and parking spaces.
- 2.5m minimum clearance above disabled parking bays.
- Height clearance above a sag change in grade should be measure in accordance with Figure 5.3 AS2890.1-2004.

NOTE: ALL DIMENSIONS SHOWN ARE THE RECOMMEND MINIMUM BY AS2890.1-2004 AND AS2890.6-2009, AND THE PLANS HAVE BEEN CHECKED ACCORDINGLY. ANY ALLOWABLE TOLERANCES TO THESE DIMENSIONS THAT MAY OCCUR DURING CONSTRUCTION SHOULD BE ADDED AT THE DESIGN STAGE

BASE PLANS RECEIVED BY CBRK DATED: 11/10/2018
PLAN NUMBERS: DA 205, ISSUE D

NOTE:
SKETCH PLAN ONLY. PROPERTY BOUNDARIES,
UTILITIES, KERBLINES & DIMENSIONS ARE SUBJECT TO
SURVEY AND FINAL DESIGN. TRAFFIC MEASURES
PROPOSED IN THIS PLAN ARE CONCEPT ONLY AND
ARE SUBJECT TO FINAL DESIGN BY CIVIL ENGINEERS.

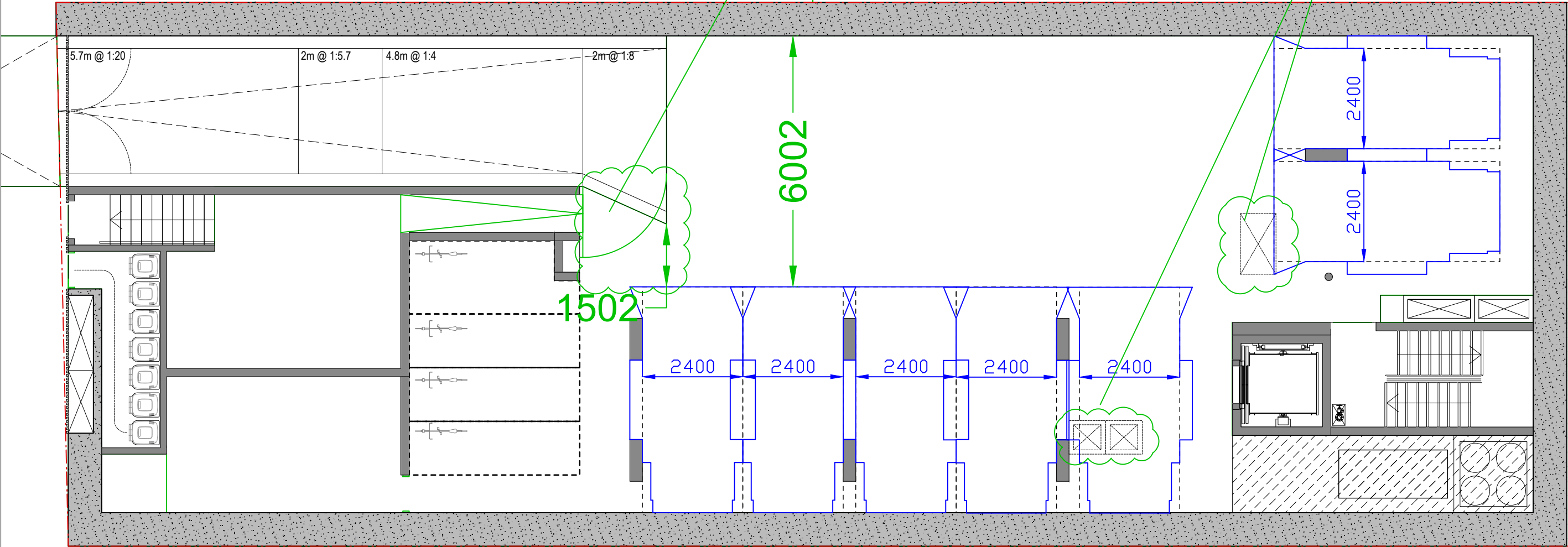
COMPLIANCE CHECK
AS2890.1-2004 &
AS2890.2-2002

NOTE: RECOMMENDED MINIMUM SPACE WIDTHS FOR RESIDENTIAL PARKING SPACES SHOULD BE 2400mm. VISITOR SPACES SHOULD BE A MINIMUM WIDTH OF 2500mm (AND NEED TO BE MARKED),AND DISABLED SPACES SHOULD BE MARKED IN ACCORDANCE WITH AS2890.6-2009.

HEIGHT CLEARANCES TO SERVICES AND STRUCTURE SHOULD BE PROVIDED AT;
4500mm MINIMUM ABOVE SERVICE VEHICLE ACCESS AND DOCK AREAS
2200mm MINIMUM ABOVE CIRCULATION AISLES AND PARKING SPACES.
2500mm MINIMUM ABOVE DISABLED PARKING BAYS.

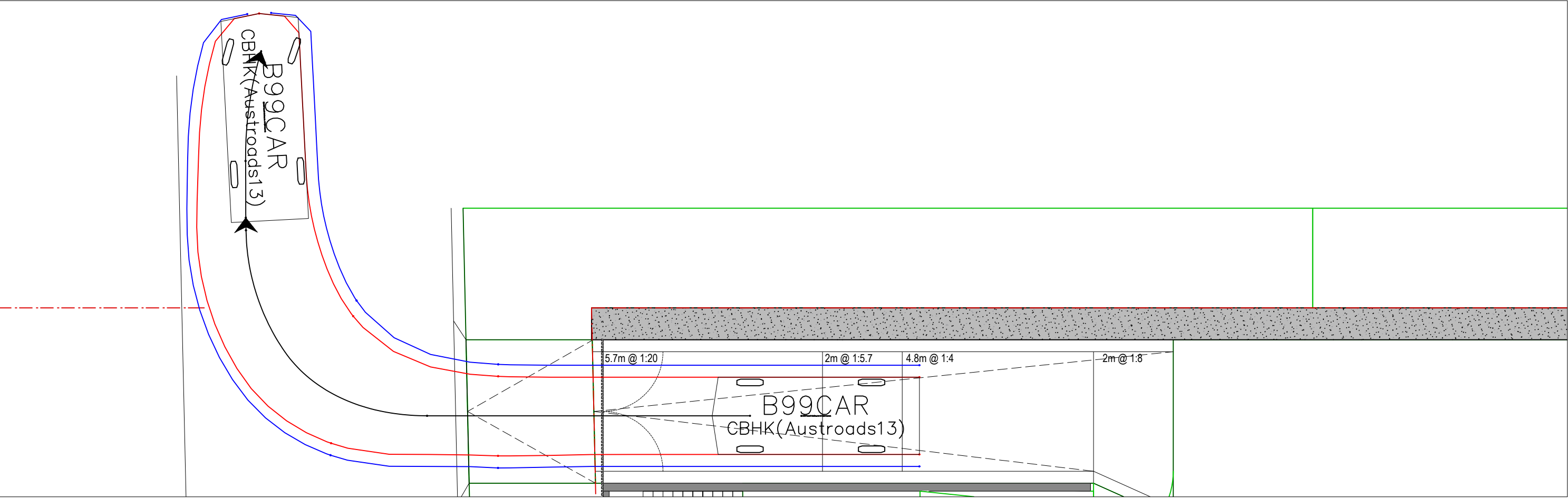
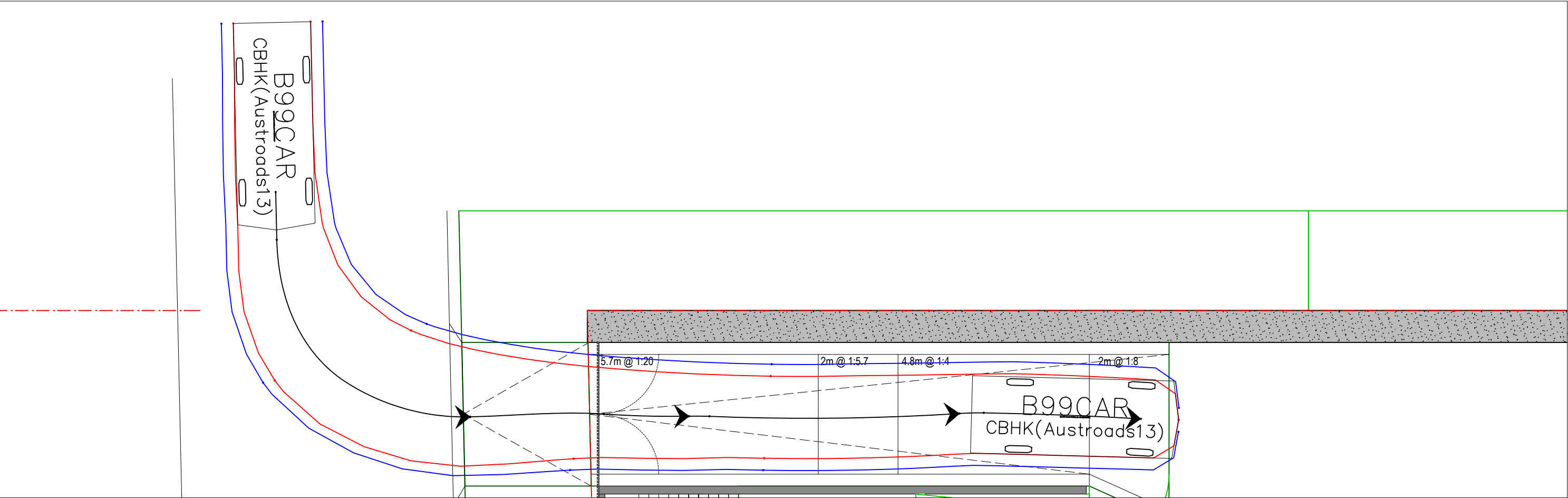
MINIMUM AISLE WIDTH OF 5800mm IS REQUIRED BETWEEN PARKING SPACES. RECOMMEND SPLAYING RAMP AND REMOVING KERB TO PROVIDE MANOEUVREING AREA FOR VEHICLES ACCESSING THE ADJACENT PARKING SPACE. IT MAY ALSO BE NECESSARY TO PROVIDE A RAMP FOR THE PEDESTRIAN WALKWAY TO THE BIN STORAGE ROOM.

ENSURE TO PROVIDE A MINIMUM HEIGHT CLEARANCE OF 2200mm (TO SERVICES AND STRUCTURE) ABOVE CIRCULATION AISLES AND PARKING SPACES. HEIGHT CLEARANCE ABOVE A SAG CHANGE IN GRADES SHOULD BE MEASURED IN ACCORDANCE WITH FIGURE 5.3 AS2890.1-2004. PROVIDE A LONGITUDINAL SECTION ALONG RAMP KERBLINES TO CHECK.



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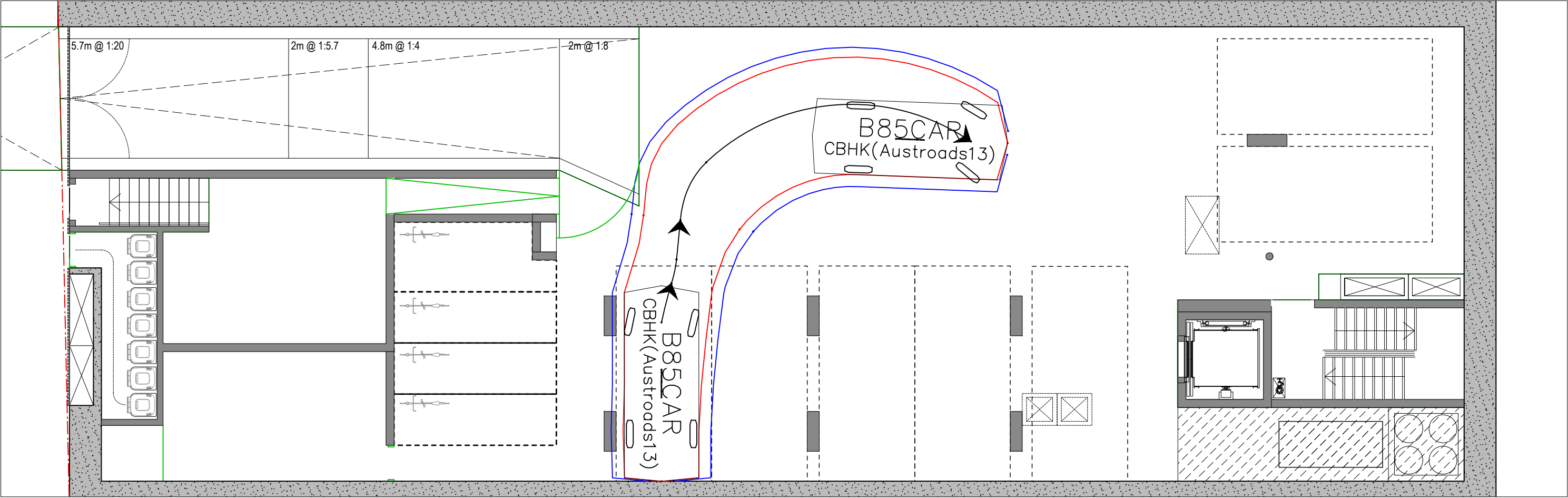
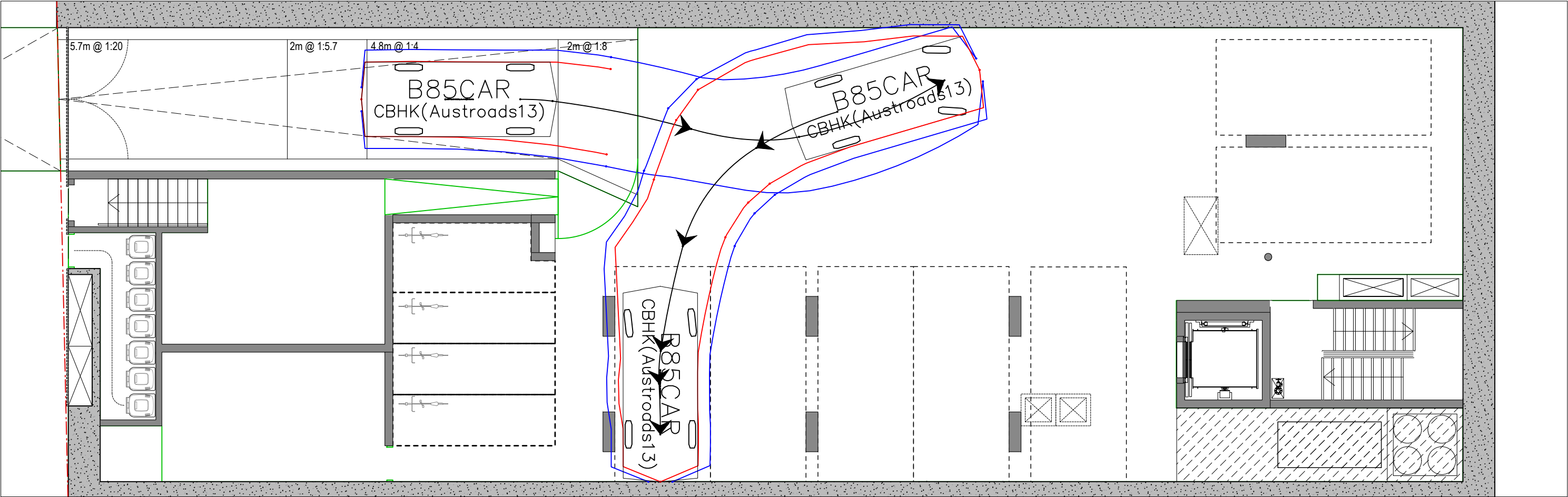
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— Swept Path of Vehicle Body
— Swept Path of Clearance to Vehicle Body

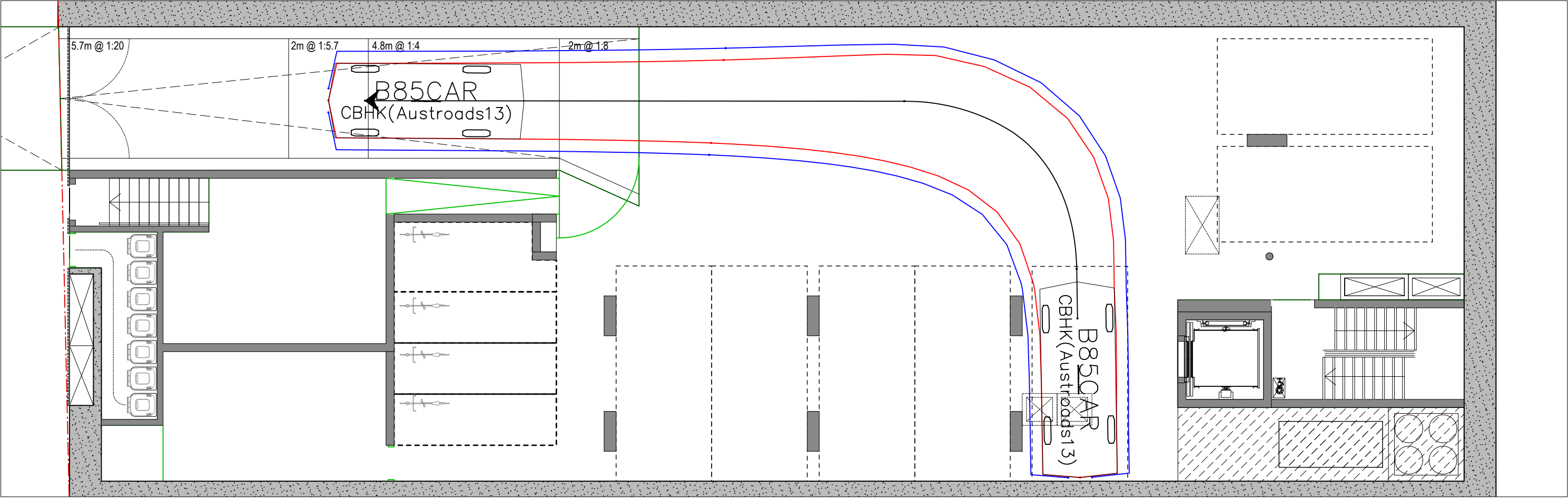
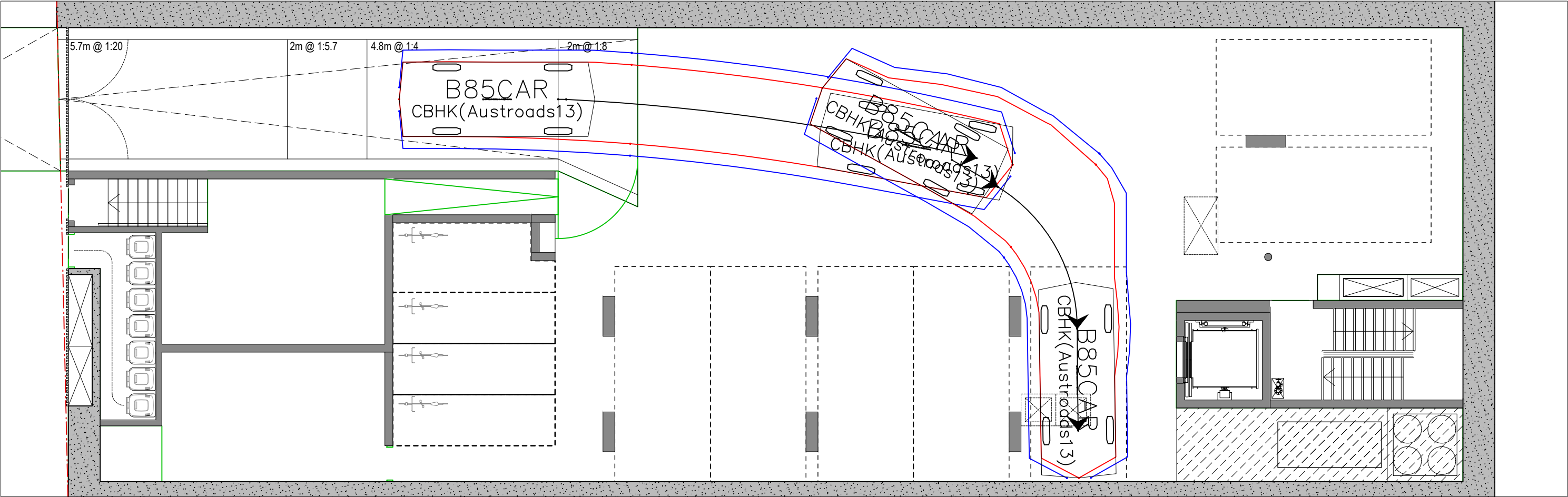
B99 VEHICLE SWEPT PATHS



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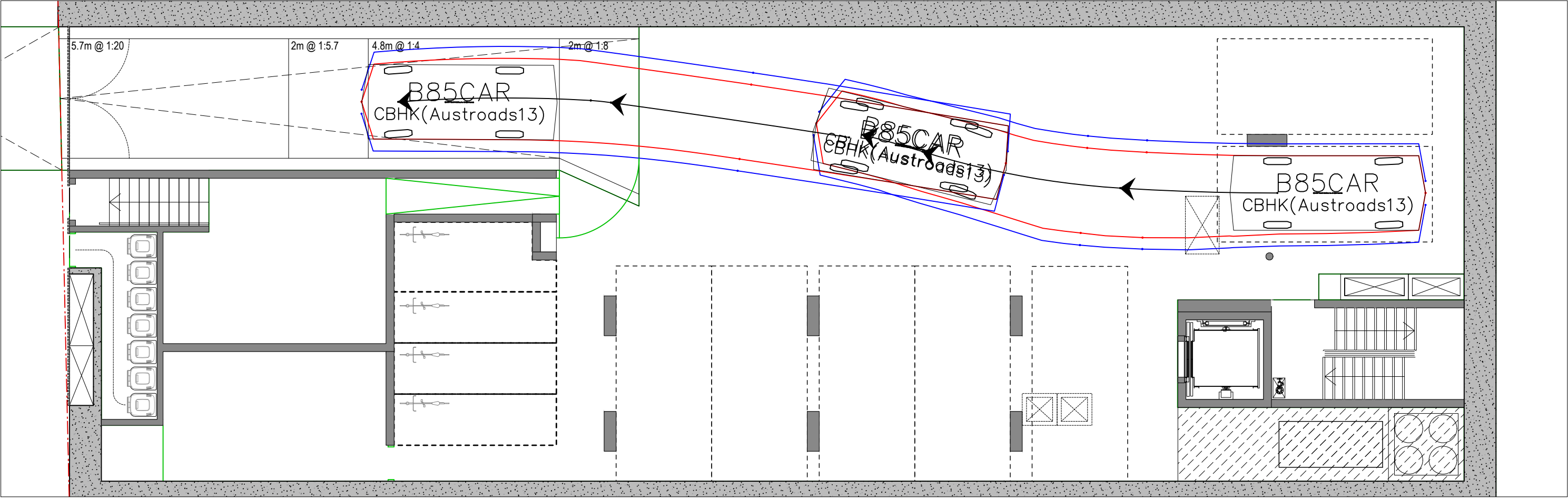
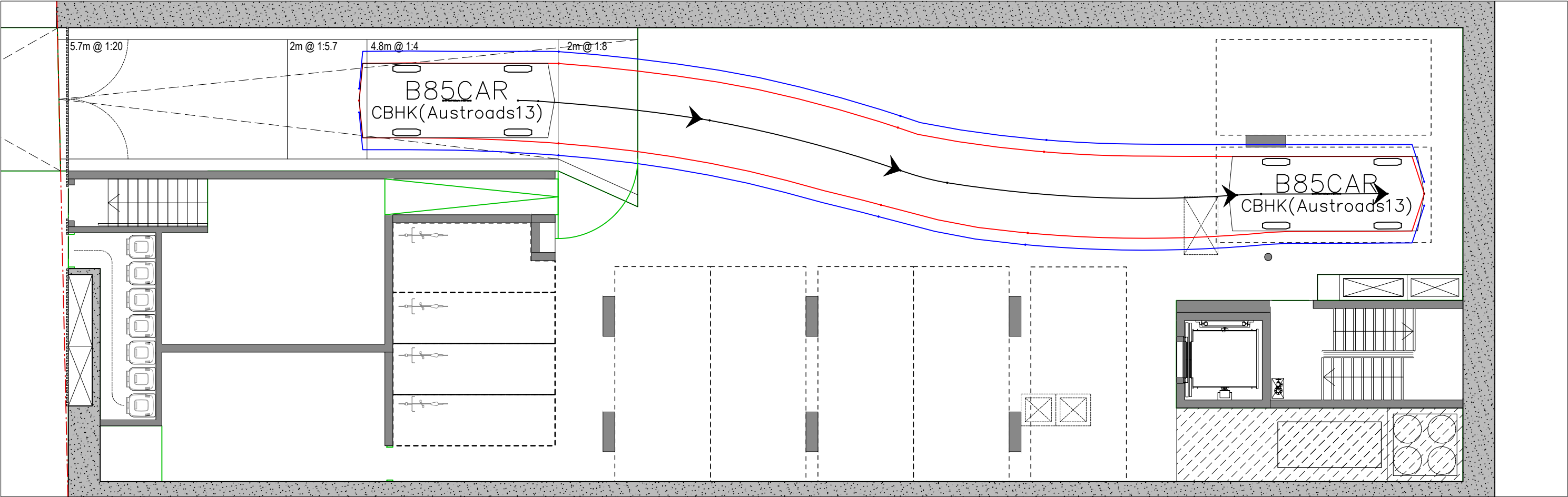
B85 VEHICLE SWEEP PATHS



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B85 VEHICLE SWEPT PATHS



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B85 VEHICLE SWEPT PATHS