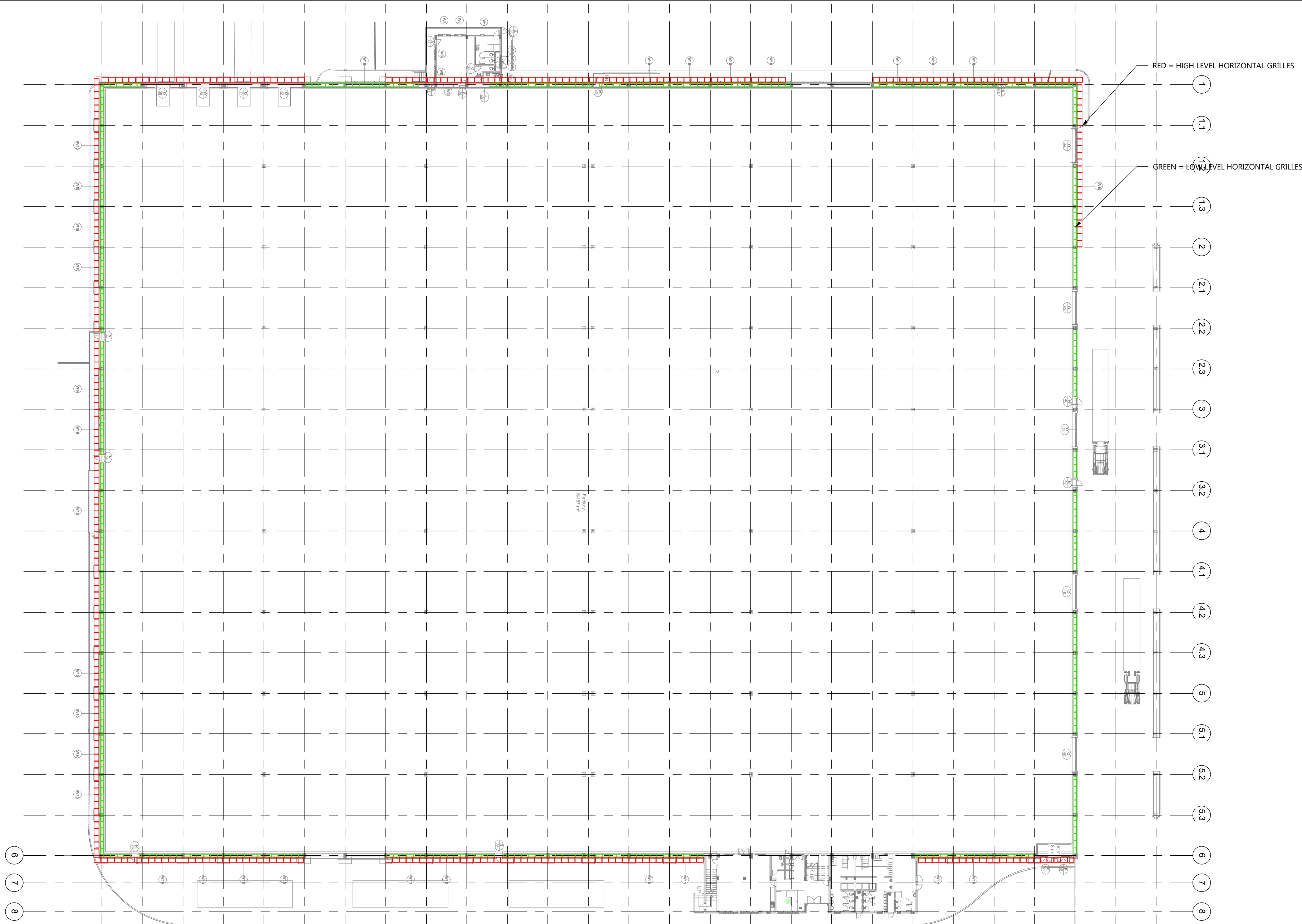
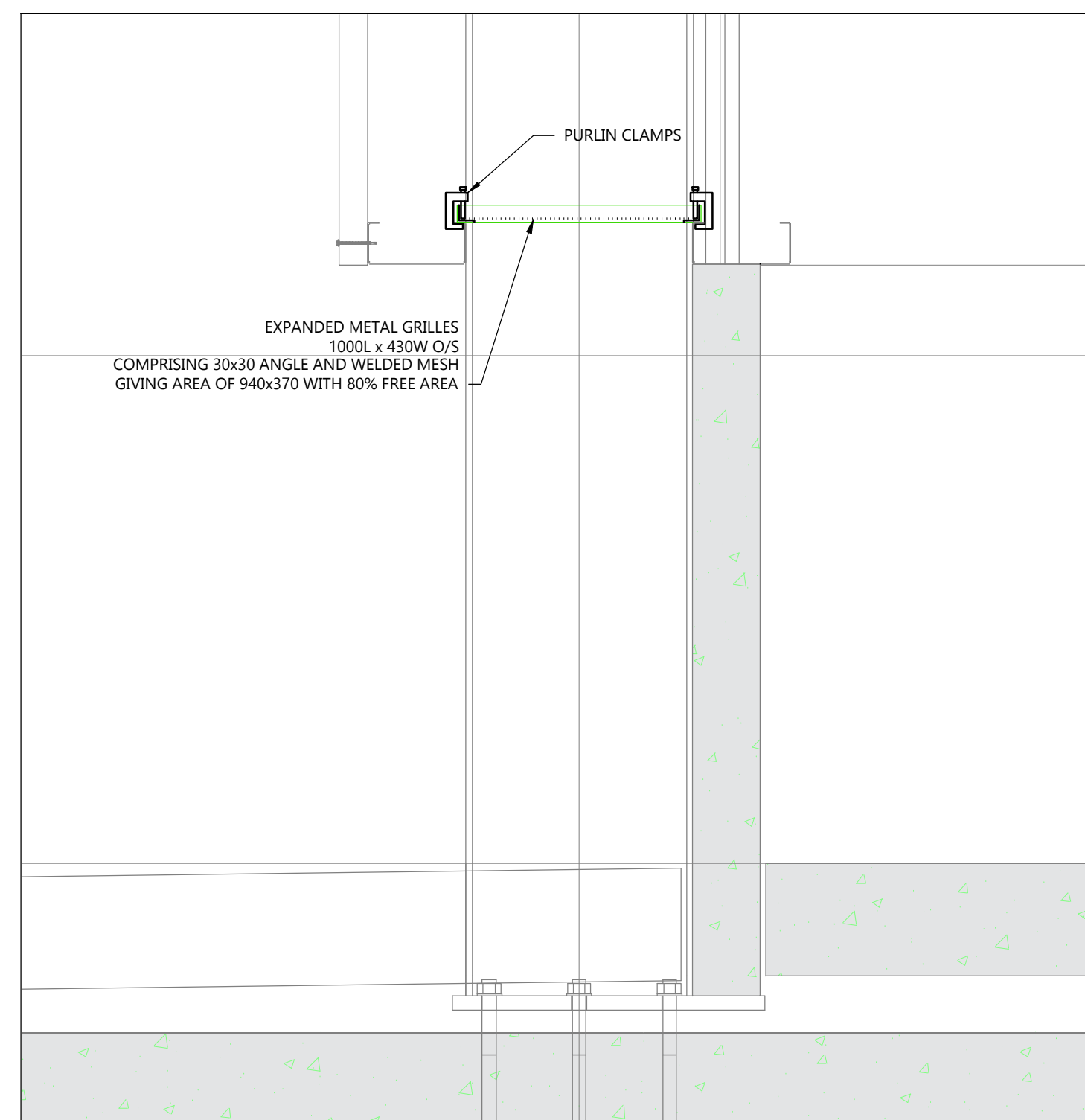


ELEVATIONS  
SCALE 1:200

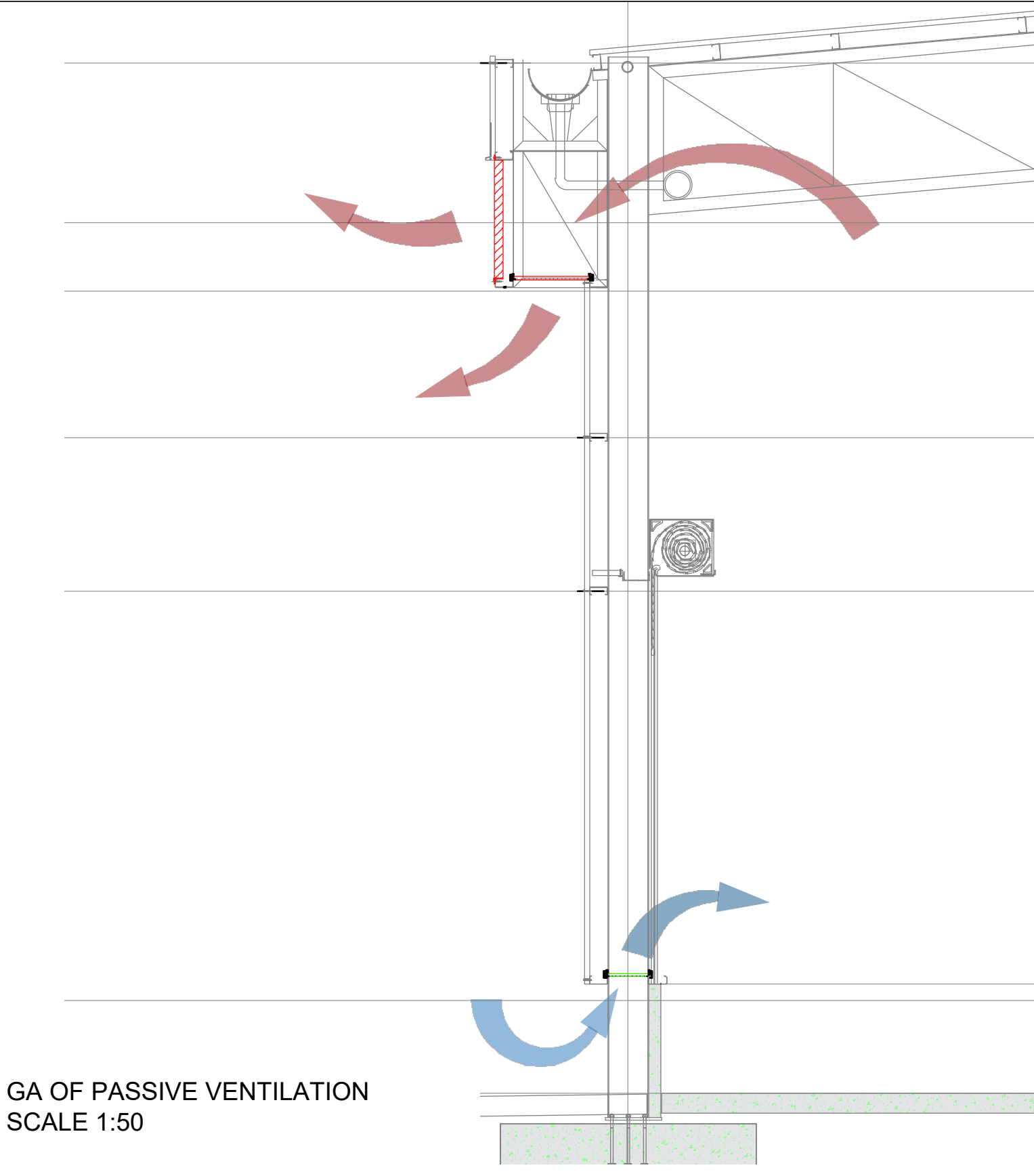


PLAN VIEW ON SEQUENCING FACILITY  
SHOWING HORIZONTAL GRILLES  
SCALE 1:400

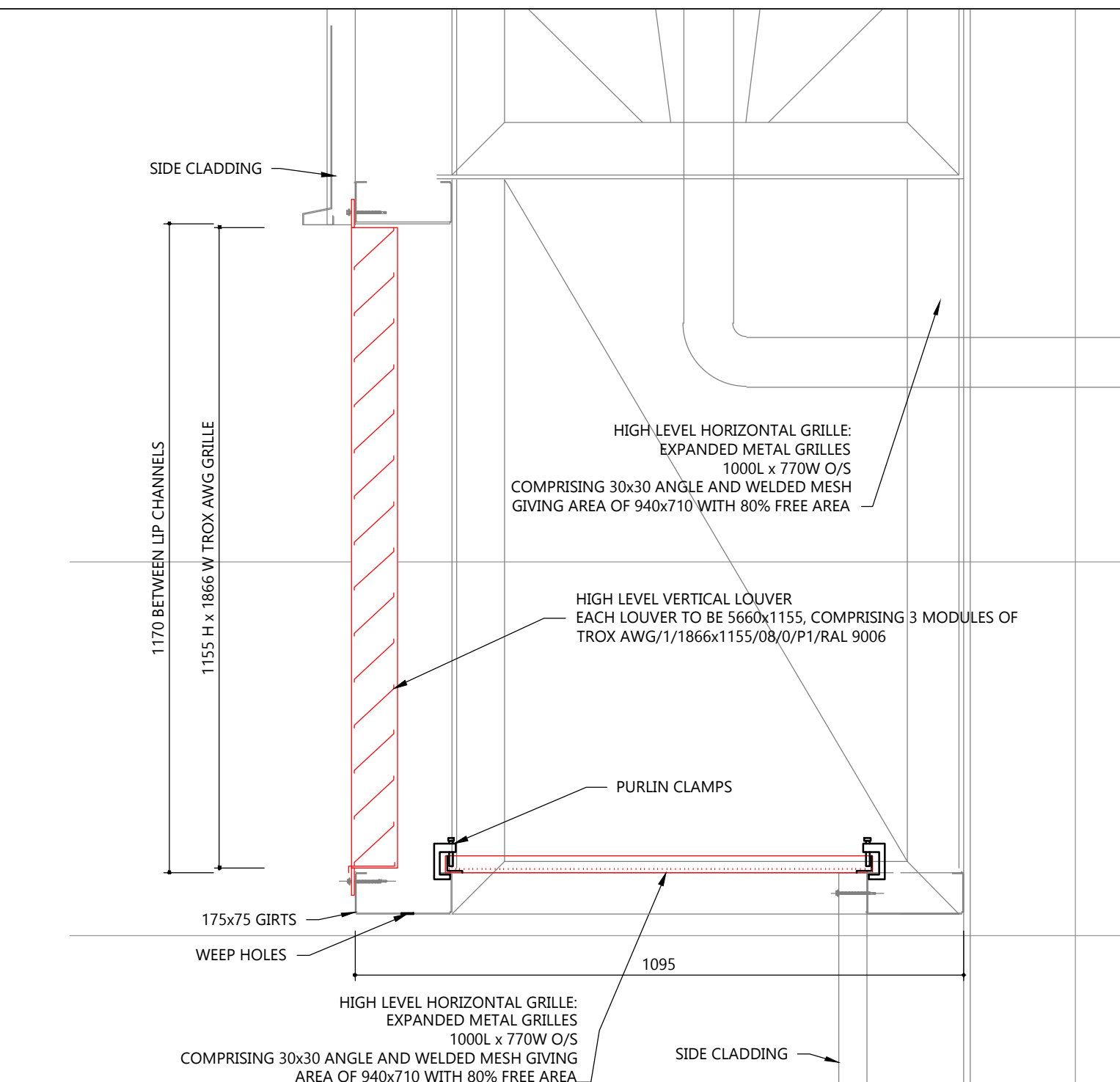


DETAIL "B" OF LOW LEVEL VENTILATION  
SCALE 1:10

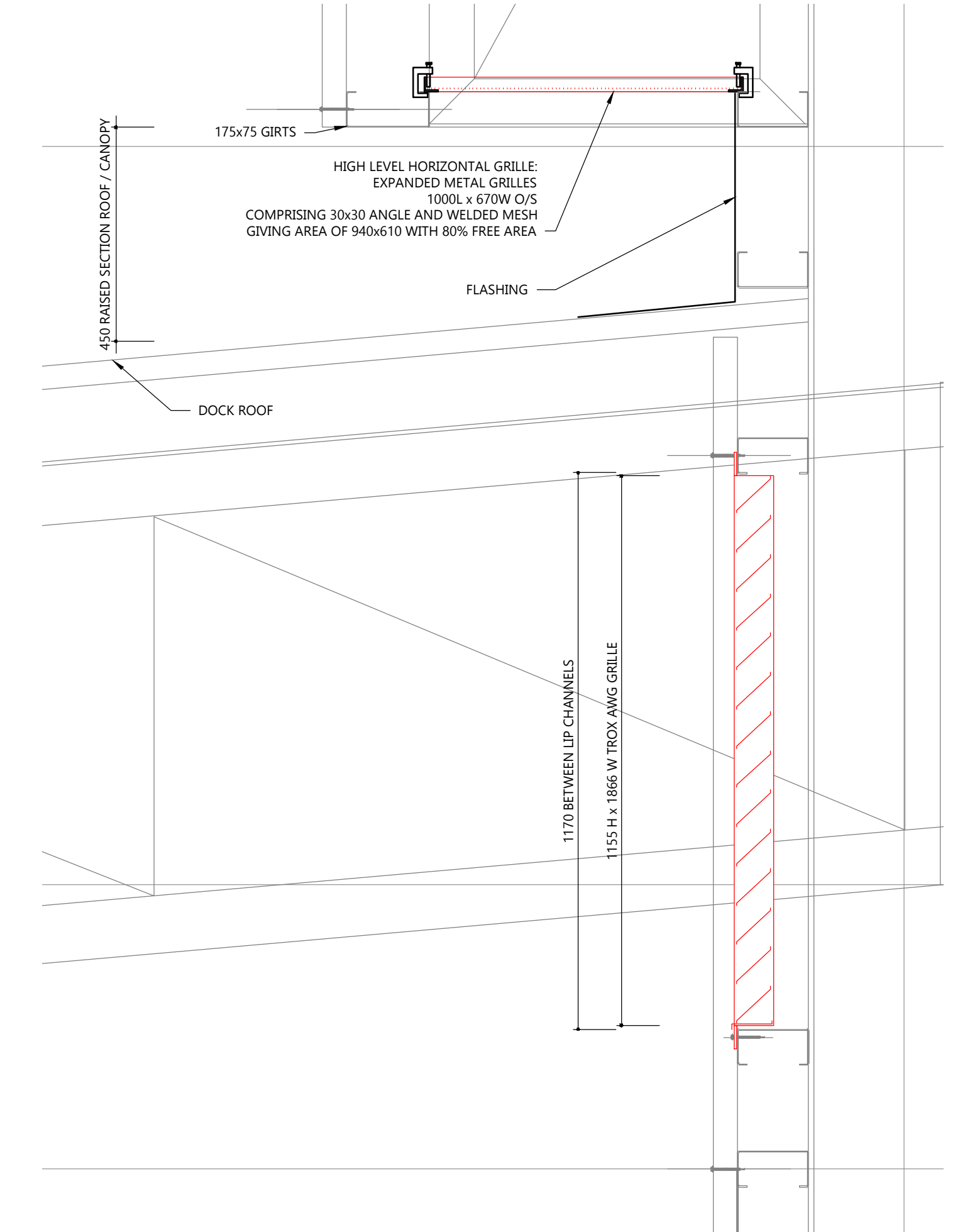
LOW LEVEL FRESH AIR VENTILATION				
	Grille m <sup>2</sup> EA	AREA	UNIT	TOTAL GRILLES
AREA OF EXPANDED METAL GRIDS (349 / 63200 / LF14-2550) (80x370 @ 80% FREE)	0.3	88	m <sup>2</sup>	318
AREA OF EXPANDED METAL GRIDS (349 / 63200 / LF14-2550) (730x710 @ 80% FREE)	0.2	10	m <sup>2</sup>	45
AREA OF EXPANDED METAL GRIDS (349 / 63200 / LF14-2550) (650x370 @ 80% FREE)	0.1	2	m <sup>2</sup>	18
TOTAL FREE AREA FOR FRESH AIR		101	m <sup>2</sup>	



GA OF PASSIVE VENTILATION  
SCALE 1:50



DETAIL "A" OF HIGH LEVEL VENTILATION  
SCALE 1:10



DETAIL "C" OF HIGH LEVEL VENTILATION ABOVE COVERED DOCKING  
SCALE 1:10

HIGH LEVEL SMOKE VENTILATION CALCULATIONS				
	Grille m <sup>2</sup> EA	AREA	UNIT	TOTAL GRILLES
BUILDING AREA		16245	m <sup>2</sup>	
3% REQUIREMENT		487	m <sup>2</sup>	
AREA OF EXPANDED METAL GRIDS (349 / 63200 / LF14-2550) (940x710 @ 80% FREE)	0.5	192	m <sup>2</sup>	380
TROX GRILLES UNIT 5660x1155 THROAT (2x1186x1155 @ 60% FREE, 3.64m <sup>2</sup> )	3.9	295	m <sup>2</sup>	76
VENTILATION AREA PROVIDED		487	m <sup>2</sup>	

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**GENERAL NOTE**

1. ALL DIMENSIONS ARE IN METERS. DIMENSIONS ARE GIVEN TO THE CENTRE UNLESS OTHERWISE STATED.  
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9. ALL DIMENSIONS ARE TO THE CENTRE UNLESS OTHERWISE STATED.  
10. ALL DIMENSIONS ARE TO THE CENTRE UNLESS OTHERWISE STATED.

**PROJECT TEAM**

Project Managers: KCS CONSULTANTS

Architects: BNM

Quantity Surveyors: LATITUDE

Civil Engineers: Bvvi

Structural Engineers: AUTARI

Electrical & Mechanical Engineers: KCE

**CLIENT**

East London IDZ

**TENANT**

NAME: TENANT APPROVAL

DESIGNATION: DATE:

Project: EB/NW1/10/24/Z1A

Drawing Title: Ventilation and Smoke extraction

Date: 10/10/2024 Drawn: B.M.E.

Scale: 1:400/200 Checked: D.P.

**Approved**

Name: Reg No: Signature: Date: Practice:

Workstage: For Tender Purposes

Drawing Number: 3244-HVAC-02

Revision: 0

03 June 2025 14:55:11