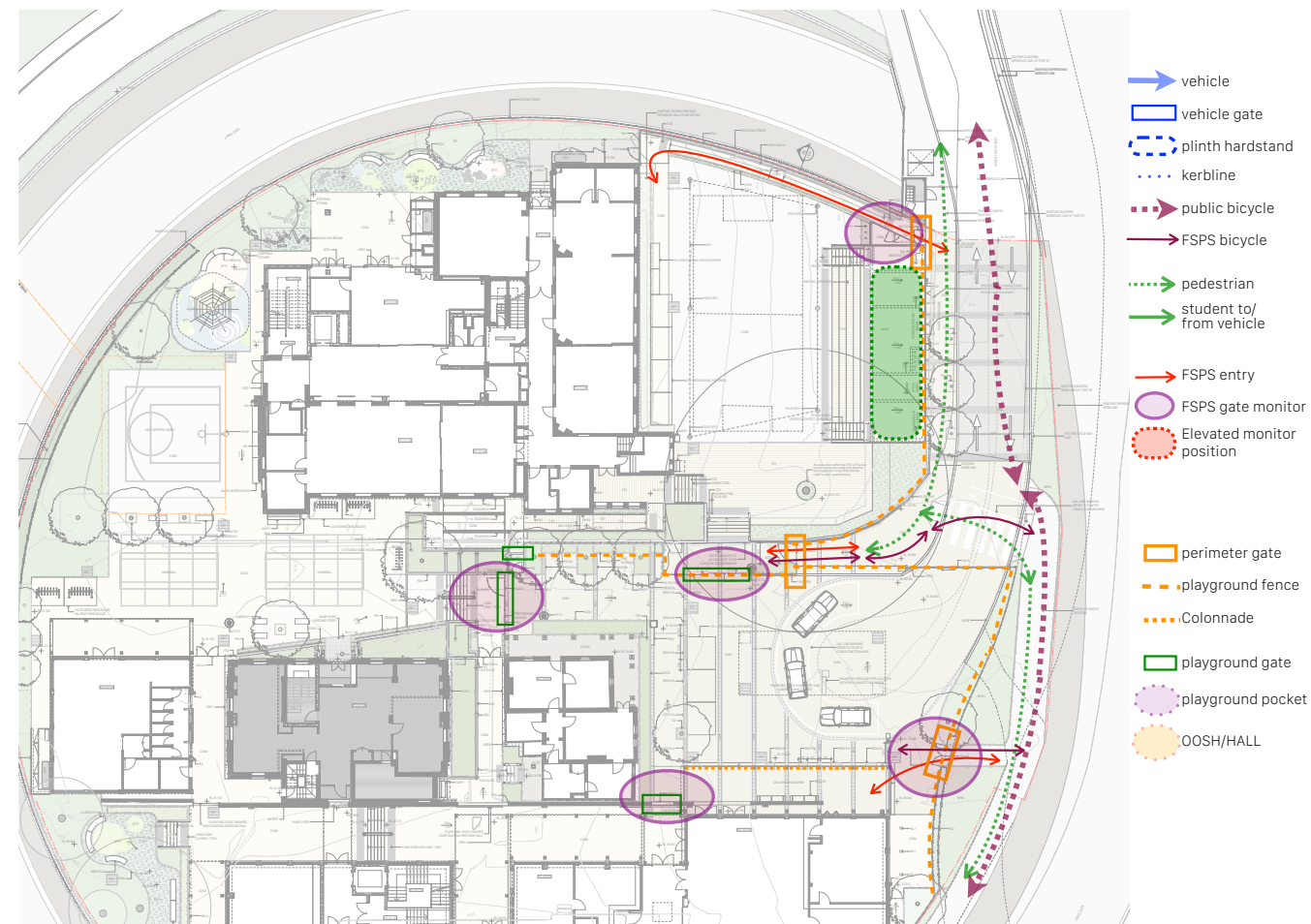
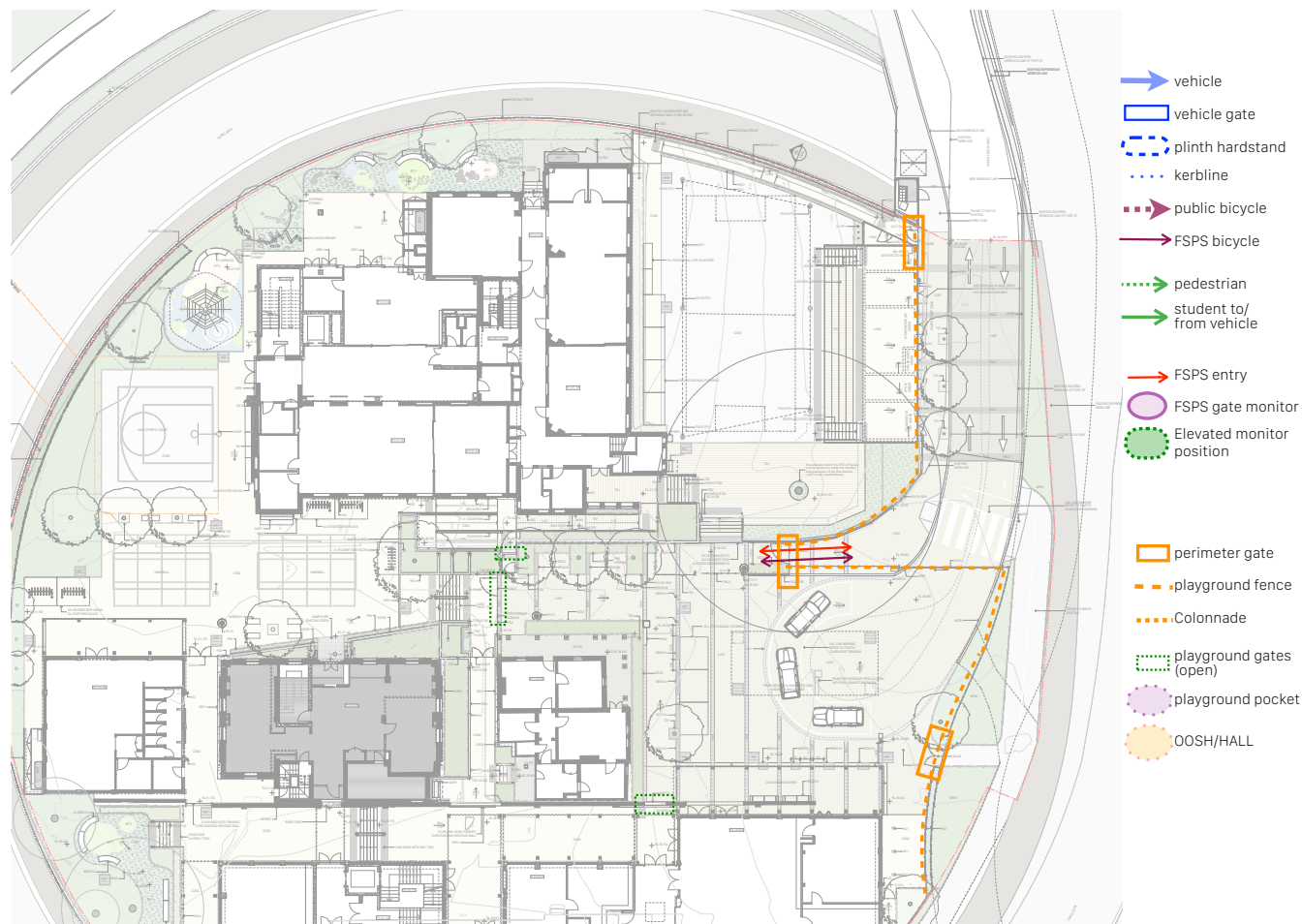




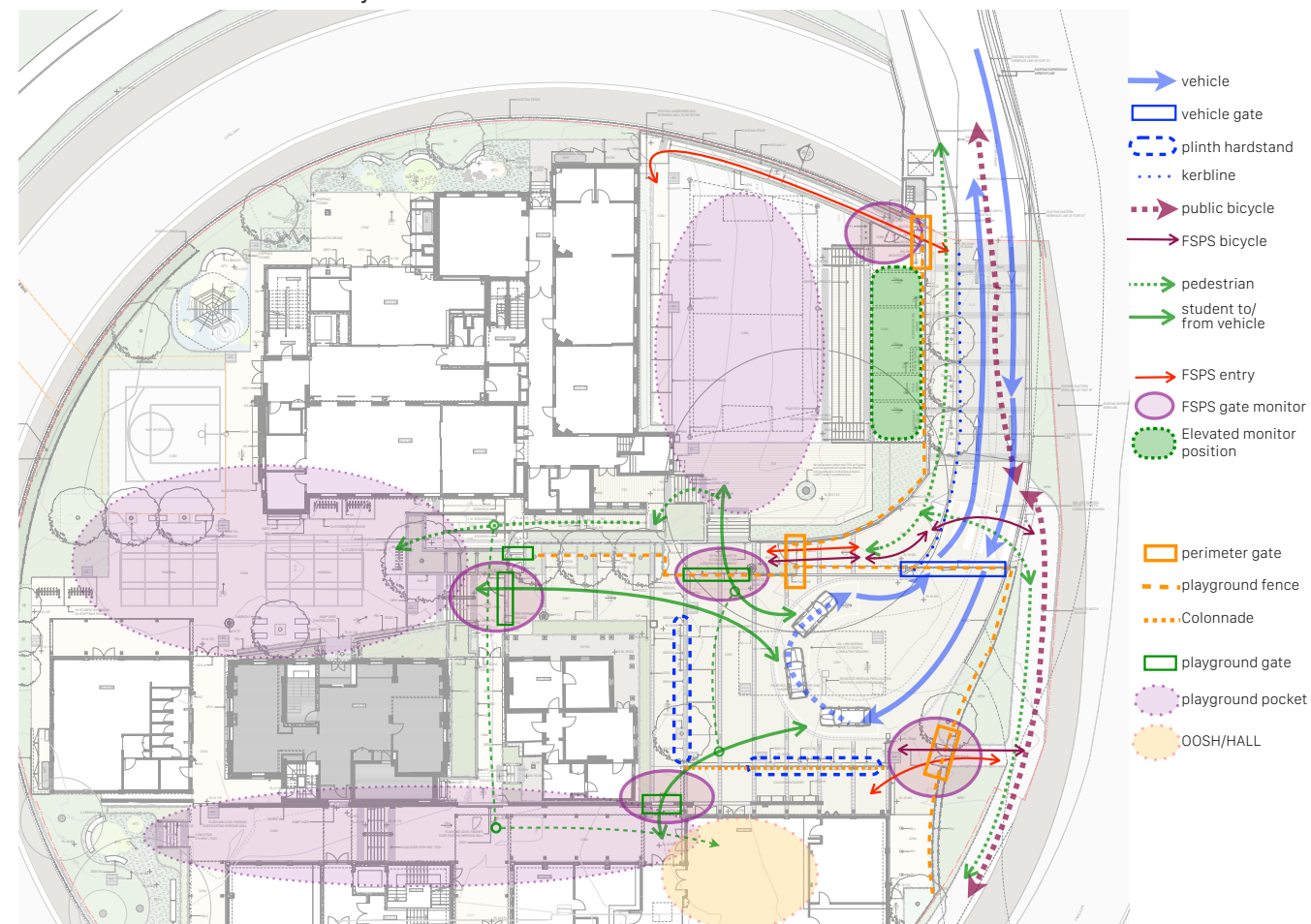
/ Phase 1 - DO/PU Movements



/ Phase 1 - Pedestrians and bicycles



/ Phase 1 - Playground mode

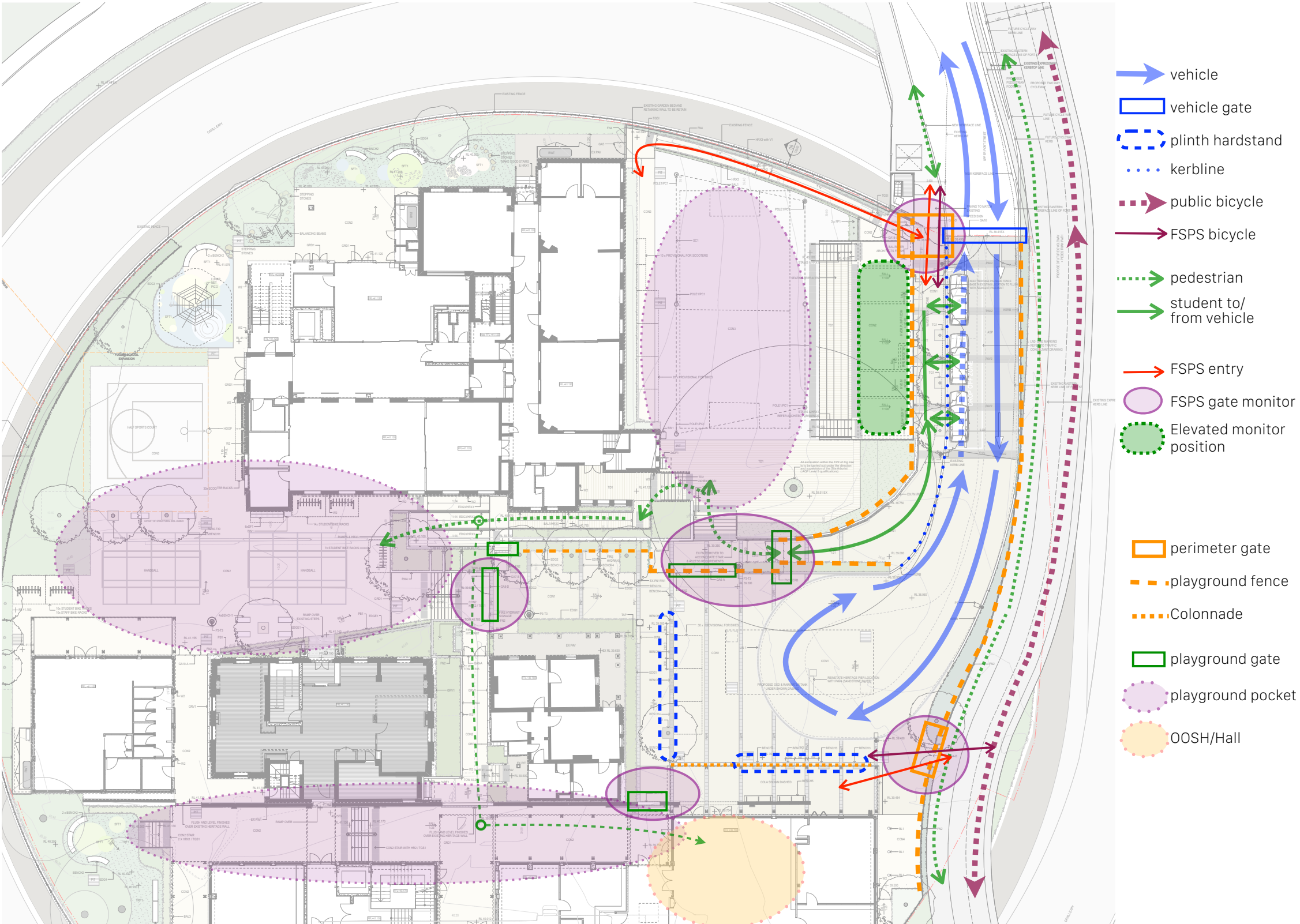


/ Phase 1 - DO/PU Mode

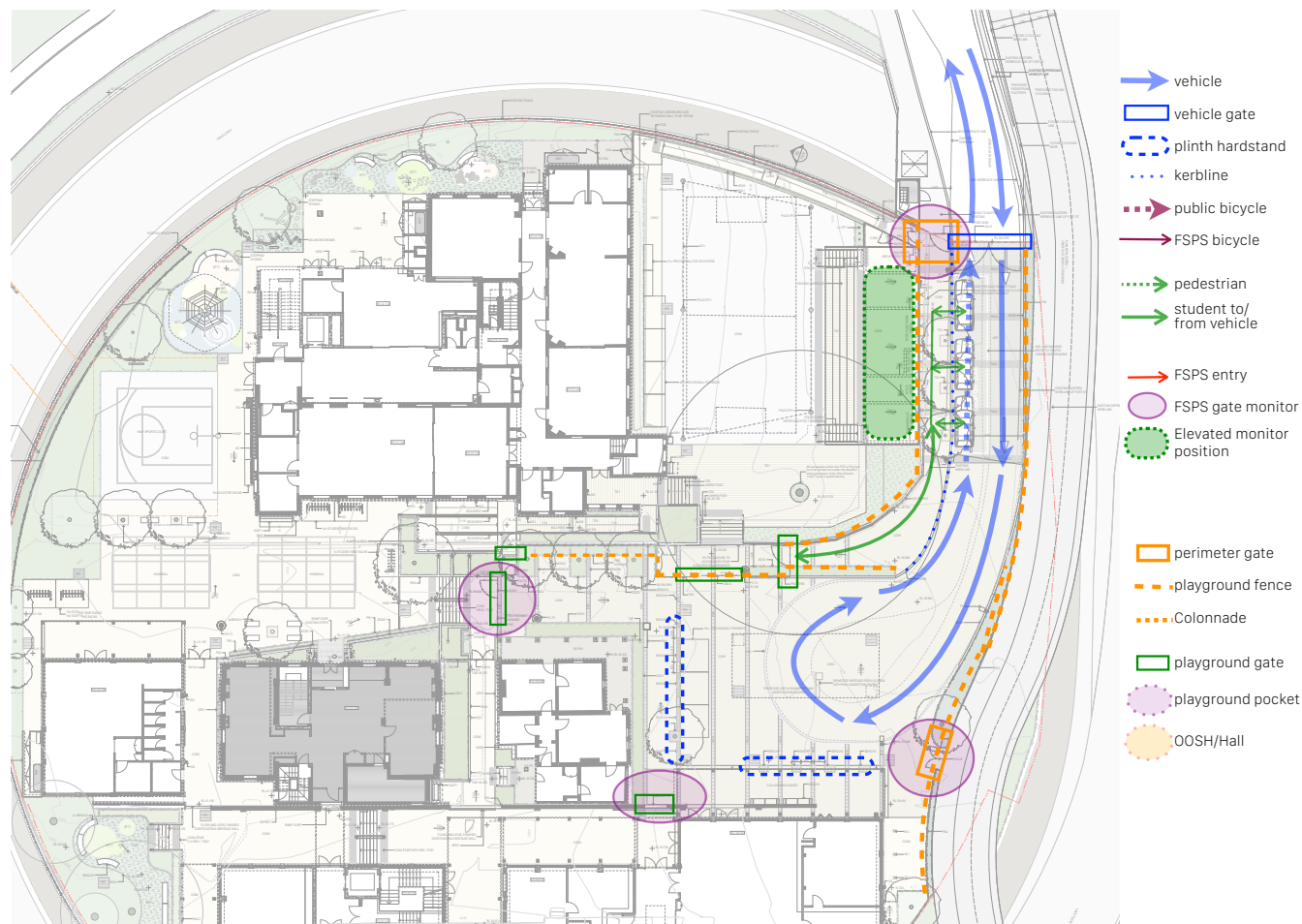
Loop Road, Phase 2

Key measures:

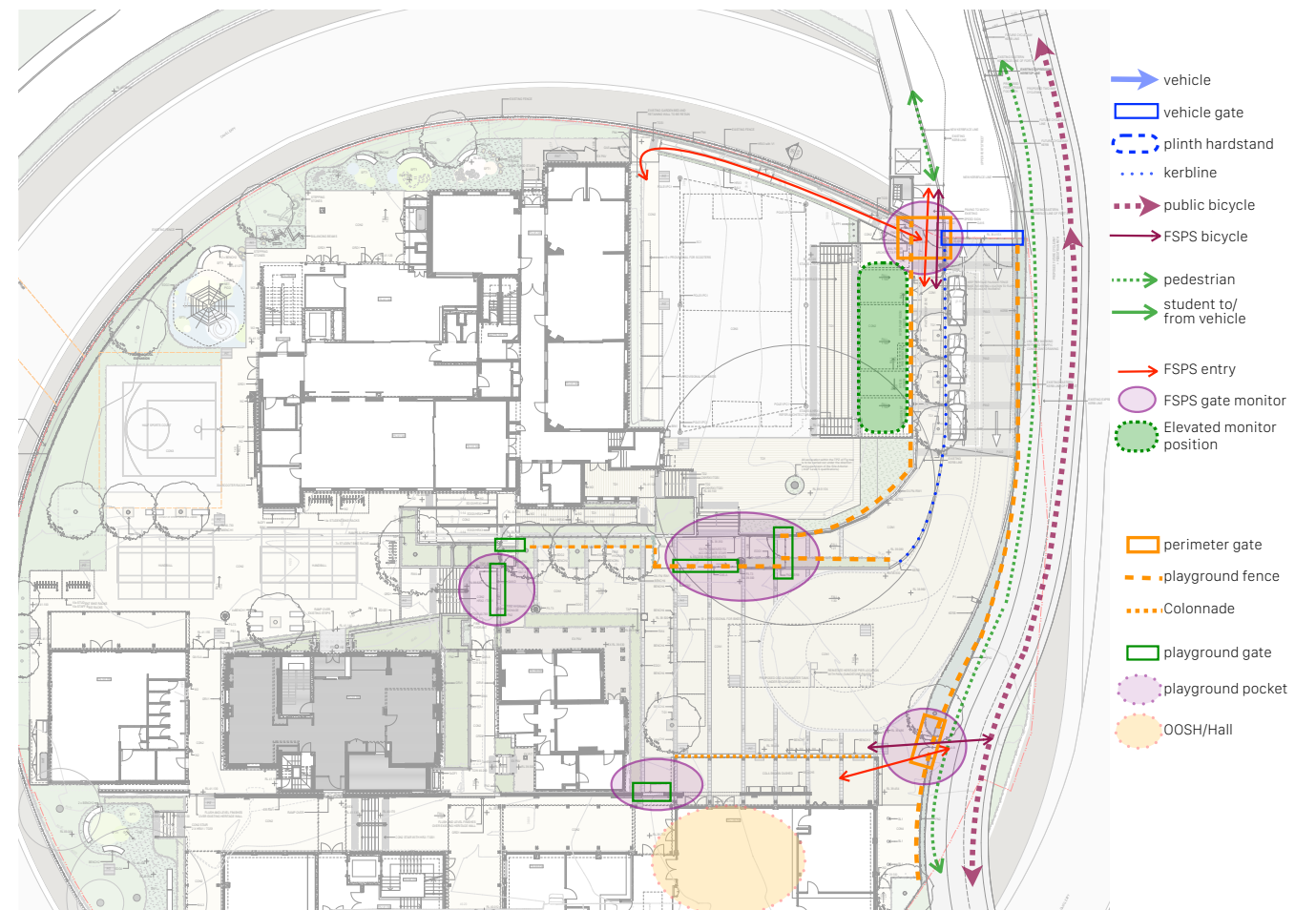
- roadway geometry adjustments in Phase 1 facilitate relocation of vehicle DO/PU pause zones to the space immediately in front of the services amphitheatre building in the north east corner. This further optimises the segregation of DO/PU activities beyond the eastern courtyard. Sight lines in and along linear alignment of stationery vehicles is aided by this alignment;
- the north-eastern entry gate added in Phase 1 will be adjusted slightly to be re-oriented to suit the Phase 2 vehicle gate;
- the sliding vehicle gate will be removed in Phase 2 as the new swing gate will be in place as was the case for the approved design. Other elements such as flush and raised kerbs installed as part of Phase 1 will be retained as they contribute to vehicle and pedestrian movement elements;
- the Phase 1 pedestrian crossing will be removed. At that stage the north-south public and school pedestrian movements will shift outside the site boundary to the future shared footpath envisaged as part of the Harbour Bridge cycleway upgrade works, outside the scope of this project;
- other measures within and around the eastern courtyard established as part of Phase 1 will be retained.



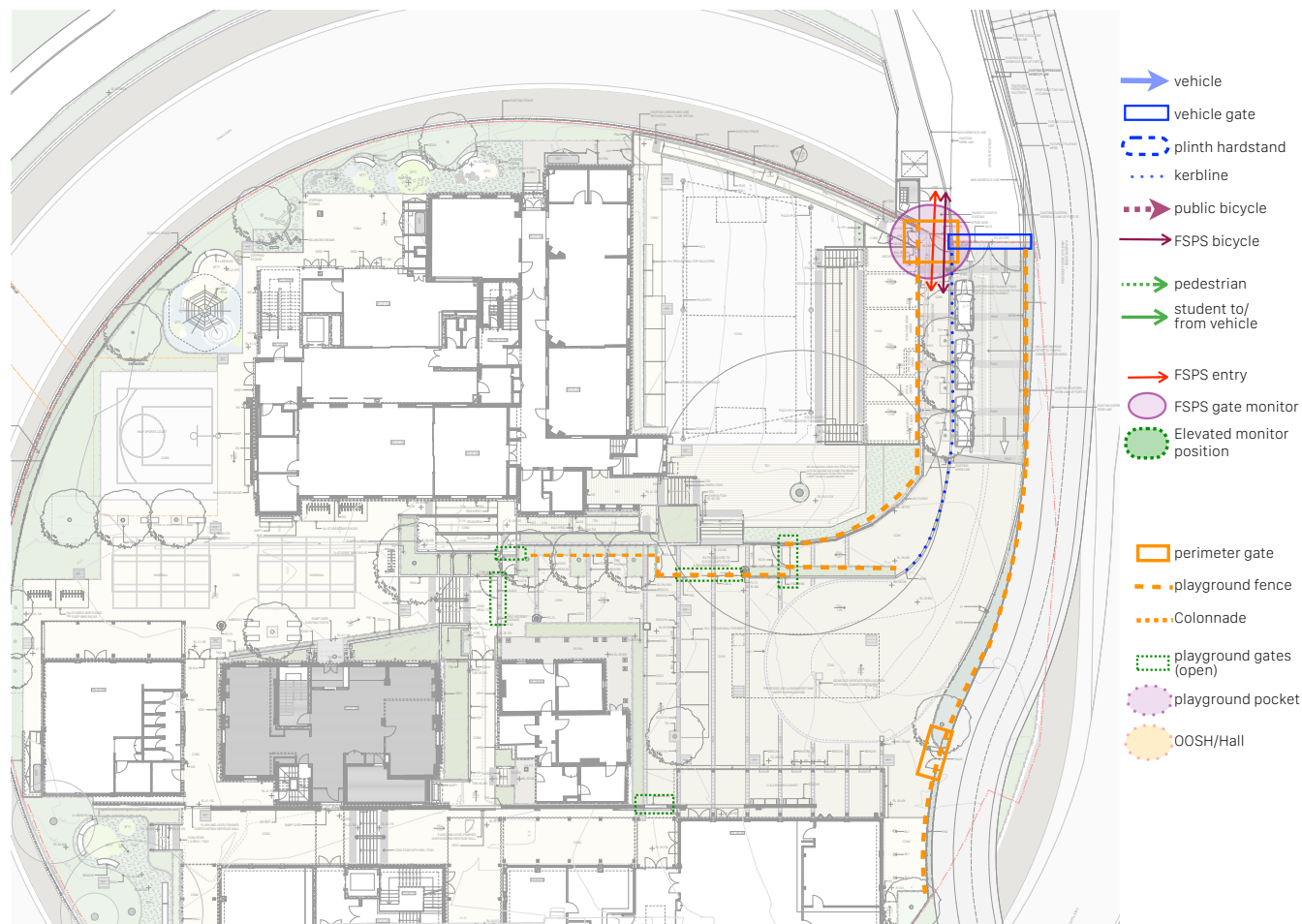
/ S4.55- Phase 2 - Drop off Diagram



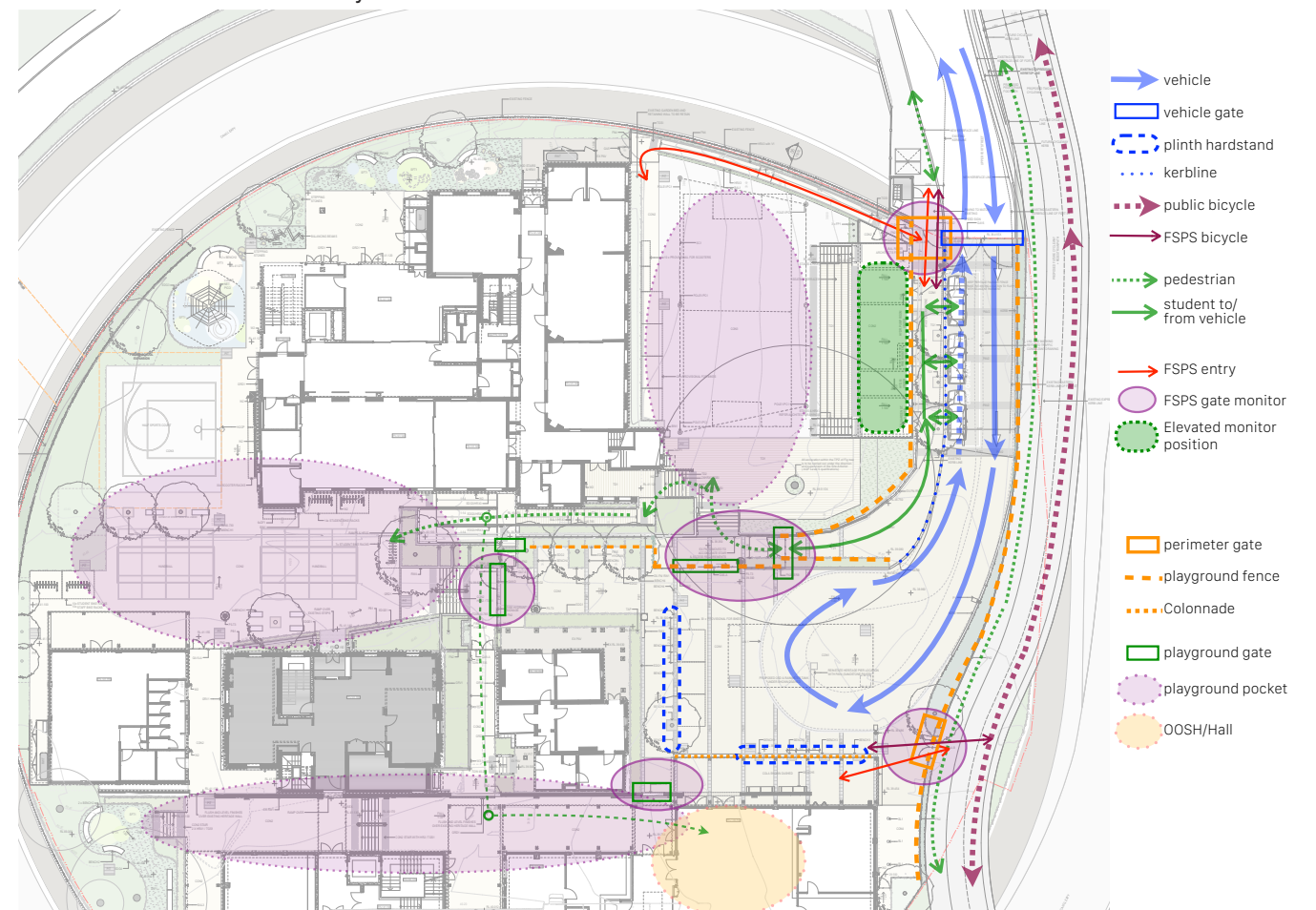
/ Phase 2 - DO/PU Movements



/ Phase 2 - Pedestrians and bicycles



/ Phase 2 - Playground mode



/ Phase 2 - DO/PU Mode

Sections: North - South



Materiality

/ Material Selection

The existing buildings and broader context of Observatory Hill and The Rocks exhibits a range of masonry types including both rendered brickwork and face brickwork, painted metalwork, sandstone, glazed windows and timber. There are remnant portions of these materials within buildings that have over the years been altered, amended and consumed.

The materials palette for the scheme shall remain largely the same as submitted for the approved SSDA. The constituent materials selected retain a balance of economy, functionality, durability and sustainability. In addition, as part of this application for modification, the Colonnade forms abutting Buildings F, G and H+J are proposed to have their timber frames rationalised with a hybrid structural approach. The essential load-bearing elements shall be in the form of new structural steelwork, painted in subdued colours to be sympathetic to the heritage context. The timber ‘look’, essential to the approved scheme, shall be retained in the form of decorative cladding elements applied to the columns and horizontals of the Colonnade and COLA forms.

Also, in conjunction, the concrete facade piers and parapets of the new campus Buildings F, G H+J, shall be instead constructed from brickwork. The aesthetic qualities shall be similar to the concrete piers of the approved scheme with the masonry sourced from a range with sympathetic colours, tones and textures.

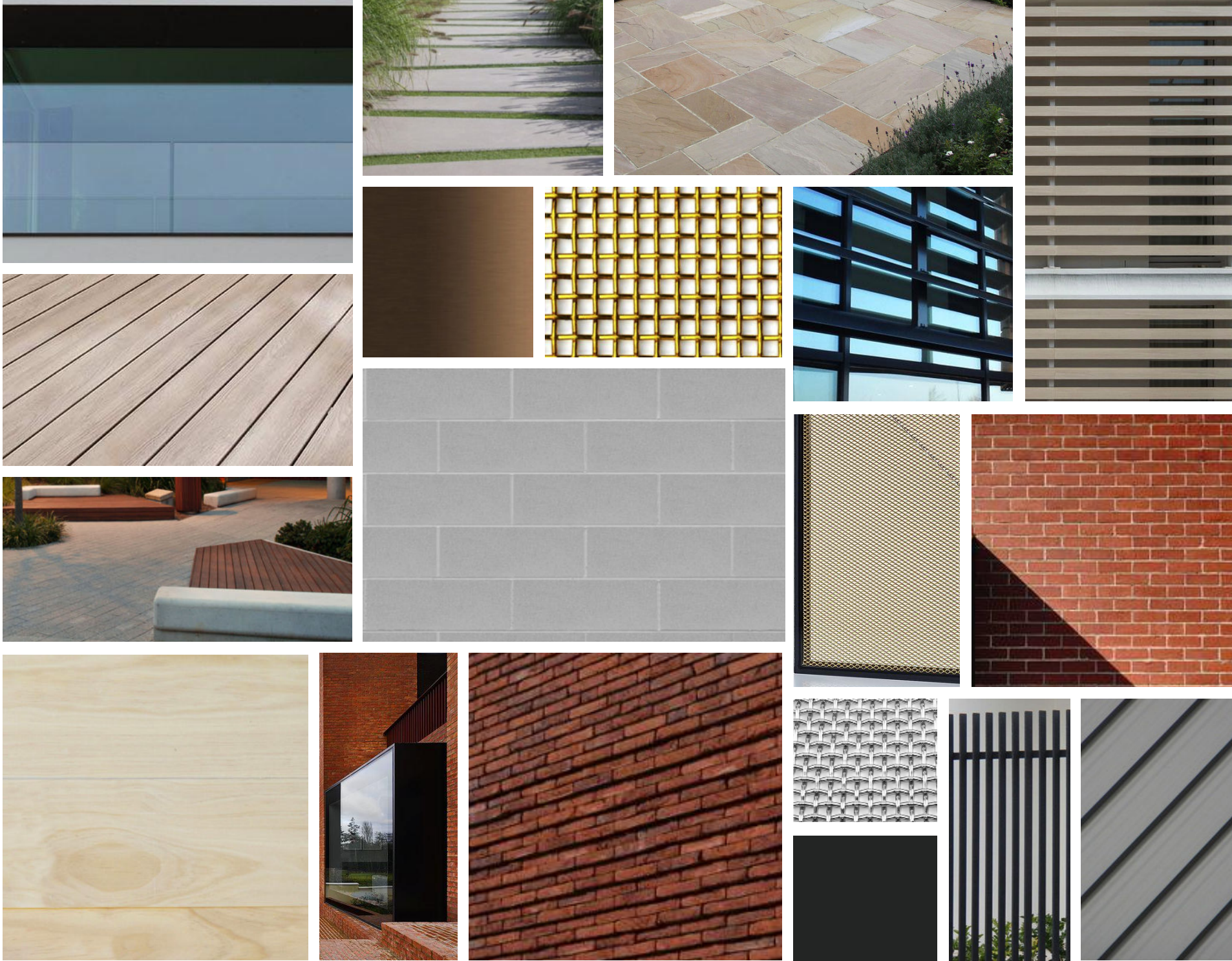
/ Facade Types

Consistent with the retention of the approach to the materials palette, the facade types around the campus buildings remain principally the same as the approved scheme. Minor modifications have been made around the new buildings on the campus to address spatial relocations and services rationalisation described in preceding sections of this report. Some configurations of glazed to solid panels have also been modified to reflect amendments of internal space planning.

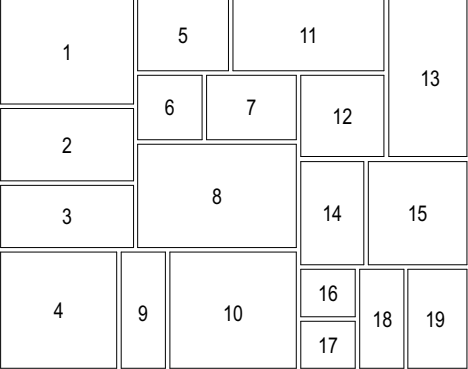
/ Table - Summary of Facade Type S4.55 Modifications

Facade Type	Description	Section 4.55 Modifications
General	All glazed facades	— General amendments to placements of solid to glazed, to suit plan changes
FT01	Existing Building A FSPS Facade	— Nil
FT02	Building D - L2 Facade	— Ratio of solid and glazed panels revised. — Drainage system detail updated
FT03	Building D North-West Glazed Mesh Facade	— Revised Spandrel heights and extents — Revised steel structure for L2 and Roof
FT04	Building D Brick Facade	— Louvred ventilating facade to western elevation/ Stair — Amendments to articulations
FT05	Existing Building C Facade	— Nil
FT06	Building C Extension Facade	— Building C Extension removed
FT07	Building F and G Facade	— Louvred facade to western elevation/ Stair — Amendments to articulations
FT08	Existing MET Brick Facade	— Nil
FT09	Proposed MET Lift Facade	— Previously proposed MET lift removed
FT10	Building J and H Facade	— Revised Materiality to Exposed Brick — Detailing of Aluminium Panels revised — Louvred facade to southern elevation/ Stair within J
FT11	C.O.L.As	— Revised Materiality — Solid ceiling/soffit and Roof for one-storey C.O.L.As
FT12	Services Enclosure Facade	— Revised Materiality to Bronze Dark/Dark profiled aluminium cladding
FT13	Glass infills Facade	— Solid aluminium roof — Eave detailing revised

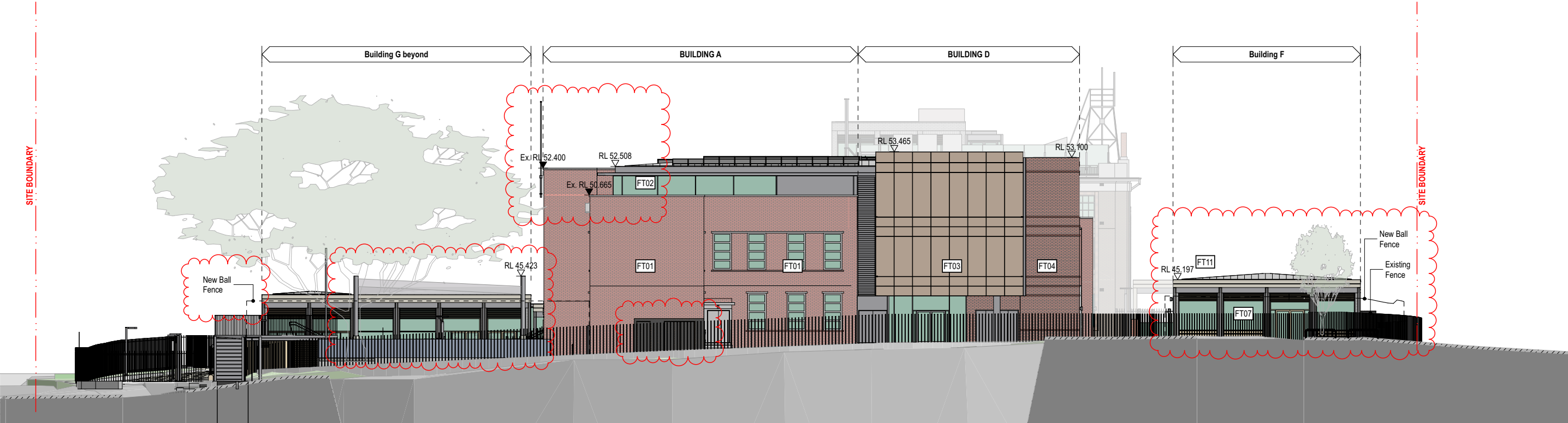
Materials Sample Board



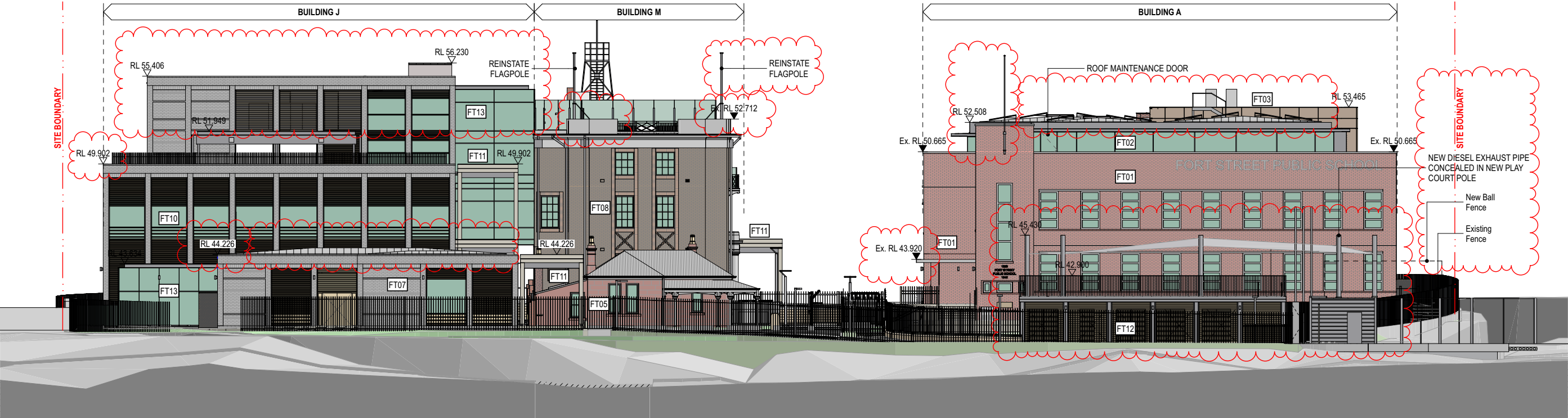
MATERIAL	CONSTITUENT MATERIAL IN FACADE TYPES
1 CLEAR GLAZING <i>Vitra Colarban 60 (2) Clear + Clear Glass IGU</i>	FT02,FT07, FT08, FT10, FT13
2 TIMBER DECK <i>Blackbutt Timber</i>	REFER LANDSCAPE DRAWINGS
3 EXTERIOR FURNITURE	REFER LANDSCAPE DRAWINGS
4 C.O.L.A.S <i>Accoya timber</i>	FT11
5 CONCRETE STEPPING STONES	REFER LANDSCAPE DRAWINGS
6 BRONZE ALUMINIUM CLADDING AND FRAMING <i>Dulux Fresh Gold</i>	FT07, FT10
7 TENSILE MESH BALUSTRADES <i>Arrow Metal Woven Wire Mesh Brass</i>	INTERIOR STAIR
8 EXPOSED BRICKWORK FRAMES <i>Austral Masonry Architec Polished Pearl Grey</i>	FT07, FT10
9 DARK METAL WINDOW FRAMES <i>Interpon Ultriva Monument Matt</i>	FT02, FT04, FT07, FT10, FT13
10 TEXTURED BRICKWORK <i>See 15 Exposed Brickwork</i>	FT04
11 SANDSTONE PAVING <i>Sam The Paving Man Adelaide Black Exfoliated Honey Jasper Exfoliated and Bush Hammered</i>	REFER LANDSCAPE DRAWINGS
12 METAL LOUVRES <i>Interpon Ultriva Monument Matt</i>	FT13
13 EXTERNAL METAL BATTENS <i>Dulux Fresh Gold</i>	FT07, FT10
14 GLAZING WITH INTEGRATED EXPANDED METAL MESH LAYER <i>Okalux Okatech with Integrated Copper Mesh</i>	FT03
15 EXPOSED BRICKWORK <i>Austral Bricks Bowral Hereford Bronze Austral Bricks Bowral Dry Pressed Embassy Red Austral Bricks The Avenue Jackson</i>	FT04
16 TENSILE MESH BALUSTRADES <i>Arrow Metal Woven Wire Mesh SS 316</i>	INTERIOR STAIR
17 DARK ALUMINIUM FRAMING AND CLADDING <i>Interpon Ultriva Monument Matt</i>	FT02, FT04, FT07, FT10, FT11,FT13
18 PALISADE BALUSTRADE <i>Interthane 870 metallic</i>	FT10, FT12
19 DARK METAL ROOFING <i>Lysaght Longline 305 Basalt</i>	FT02, FT03, FT04, FT07, FT10



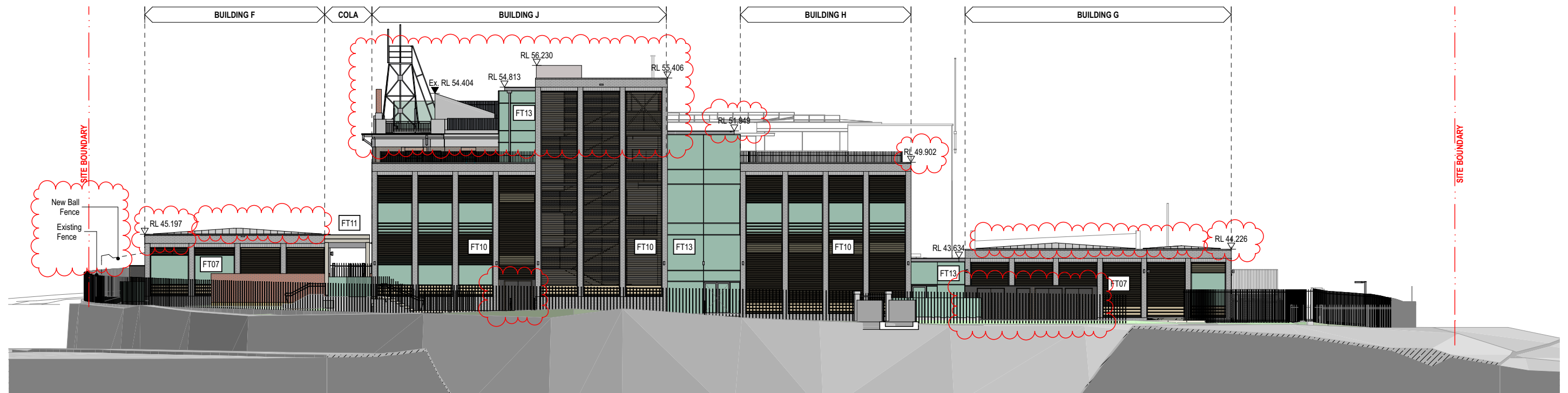
Elevations



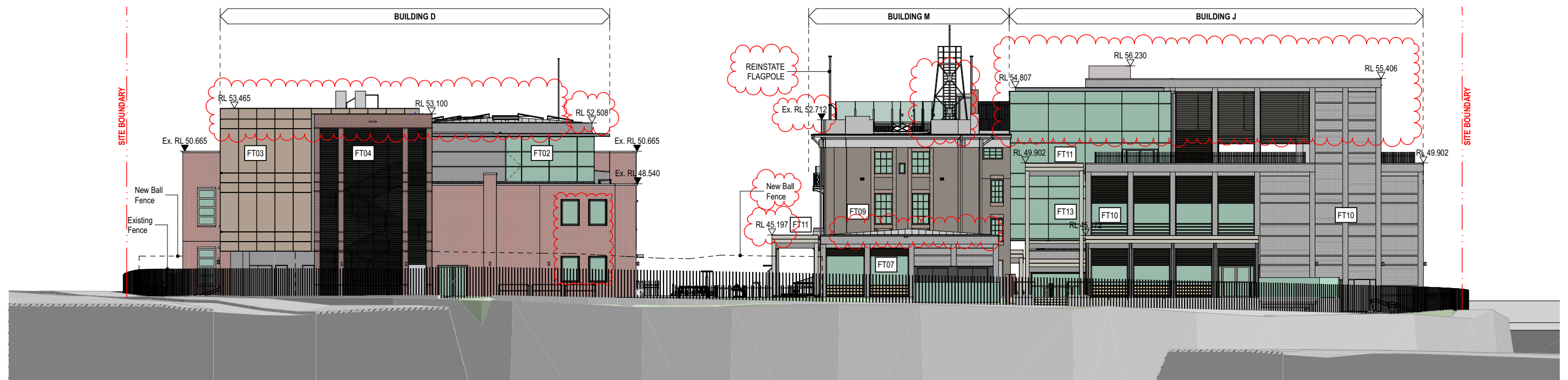
North Elevation



East Elevation



South Elevation



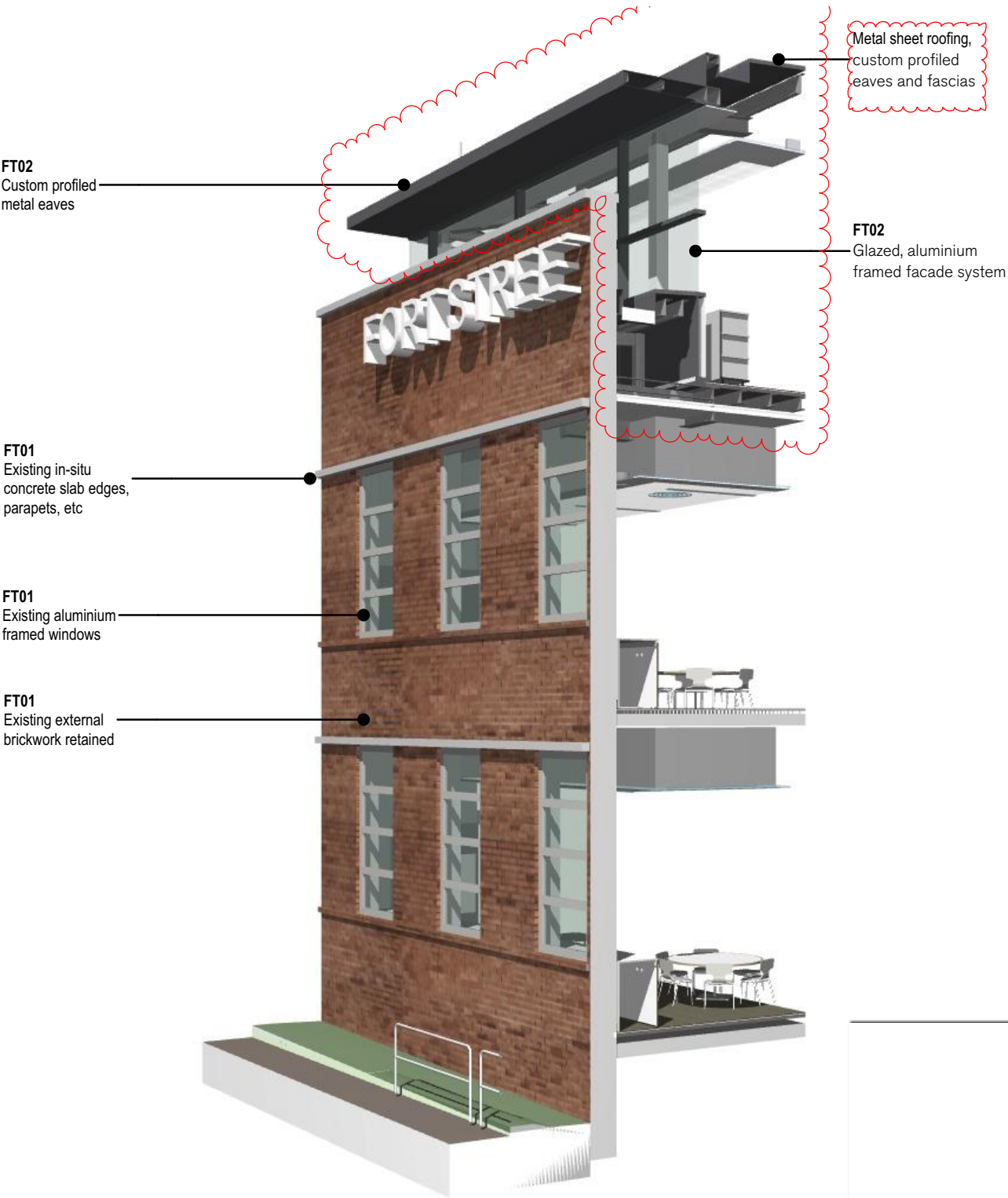
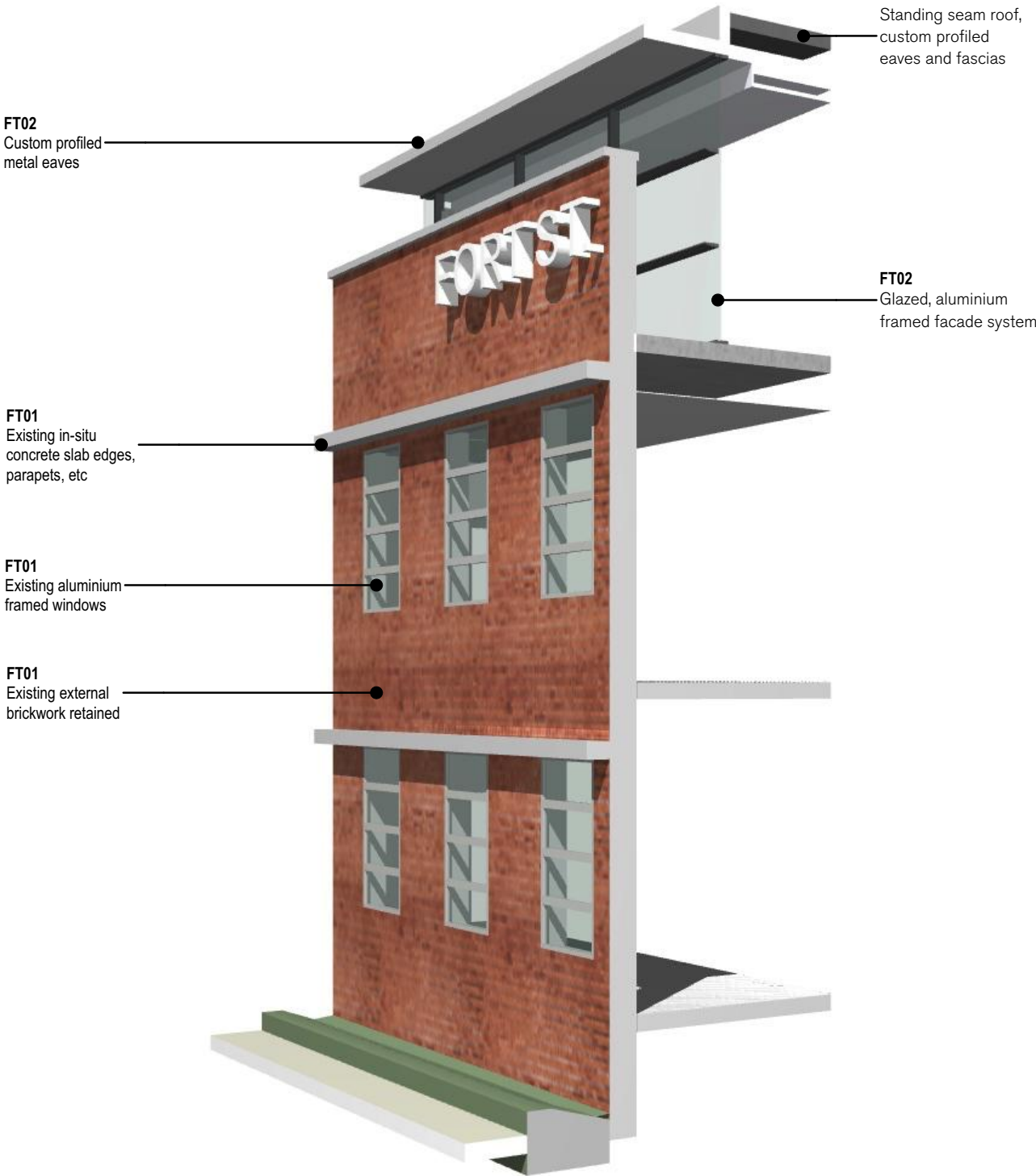
West Elevation

Revised Facades

Facade Type 01 and 02

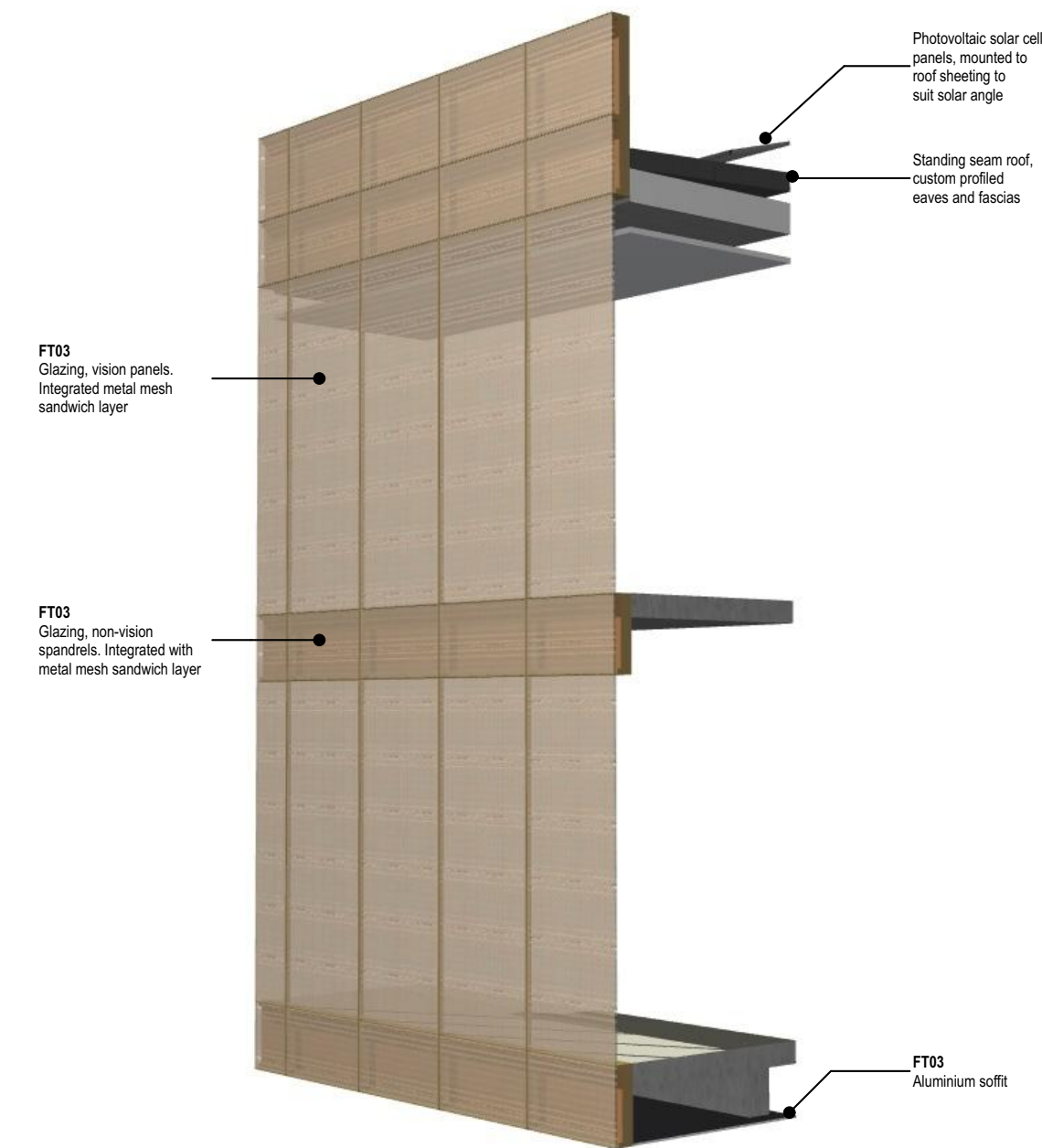
/ SSDA Facade

/ S4.55 Facade

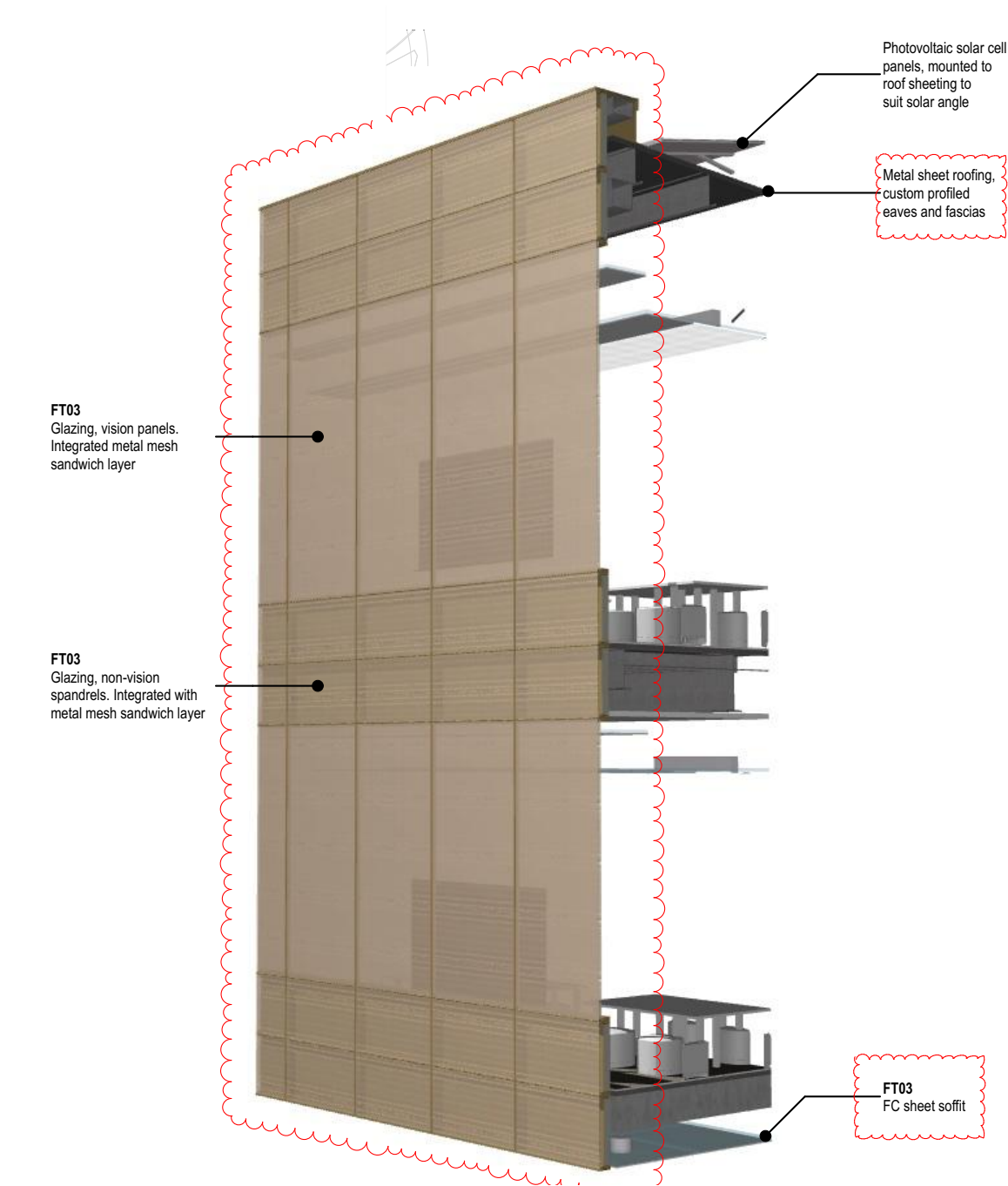


Facade Type 03

/ SSDA Facade



/ S4.55 Facade

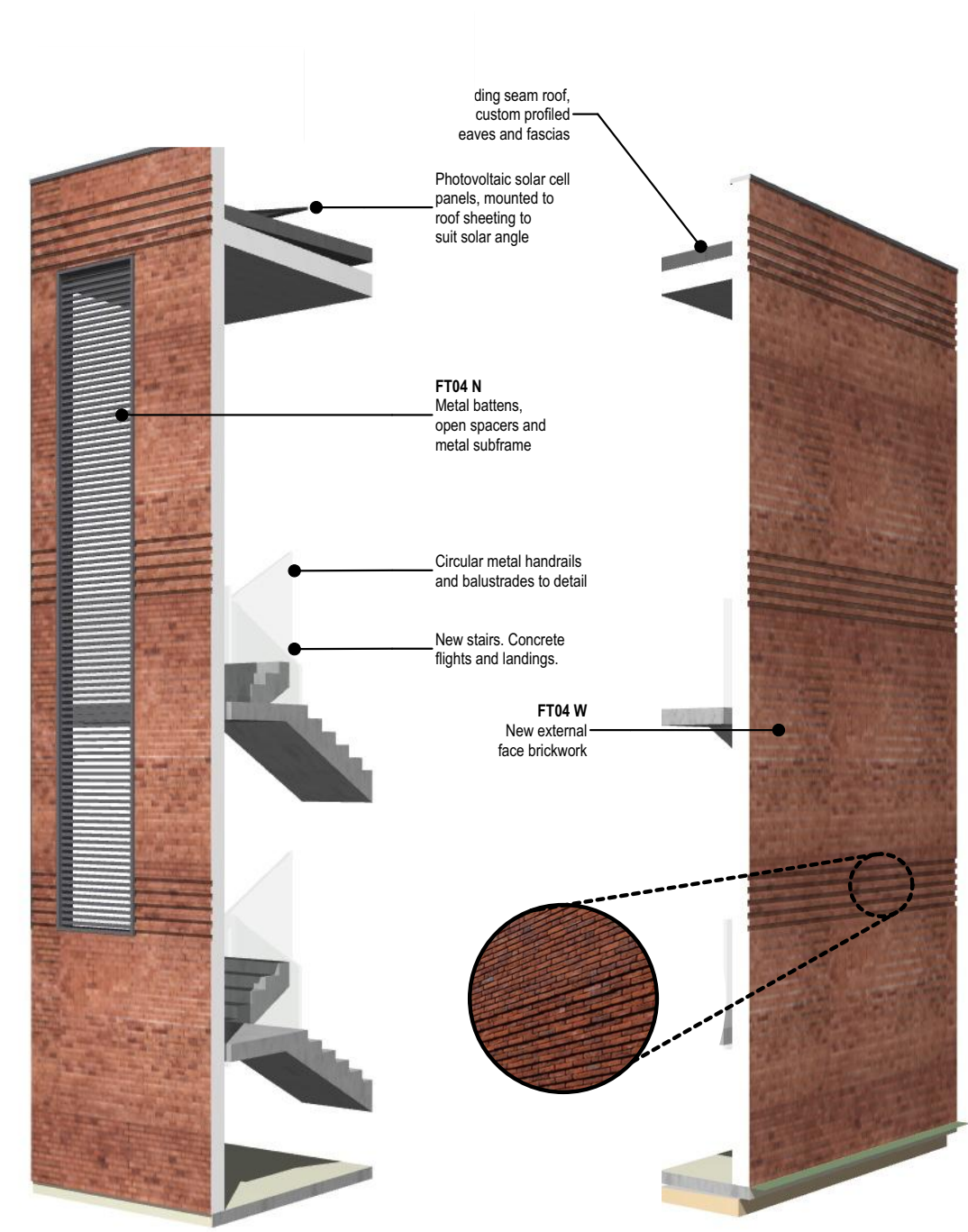


/ Reference Images

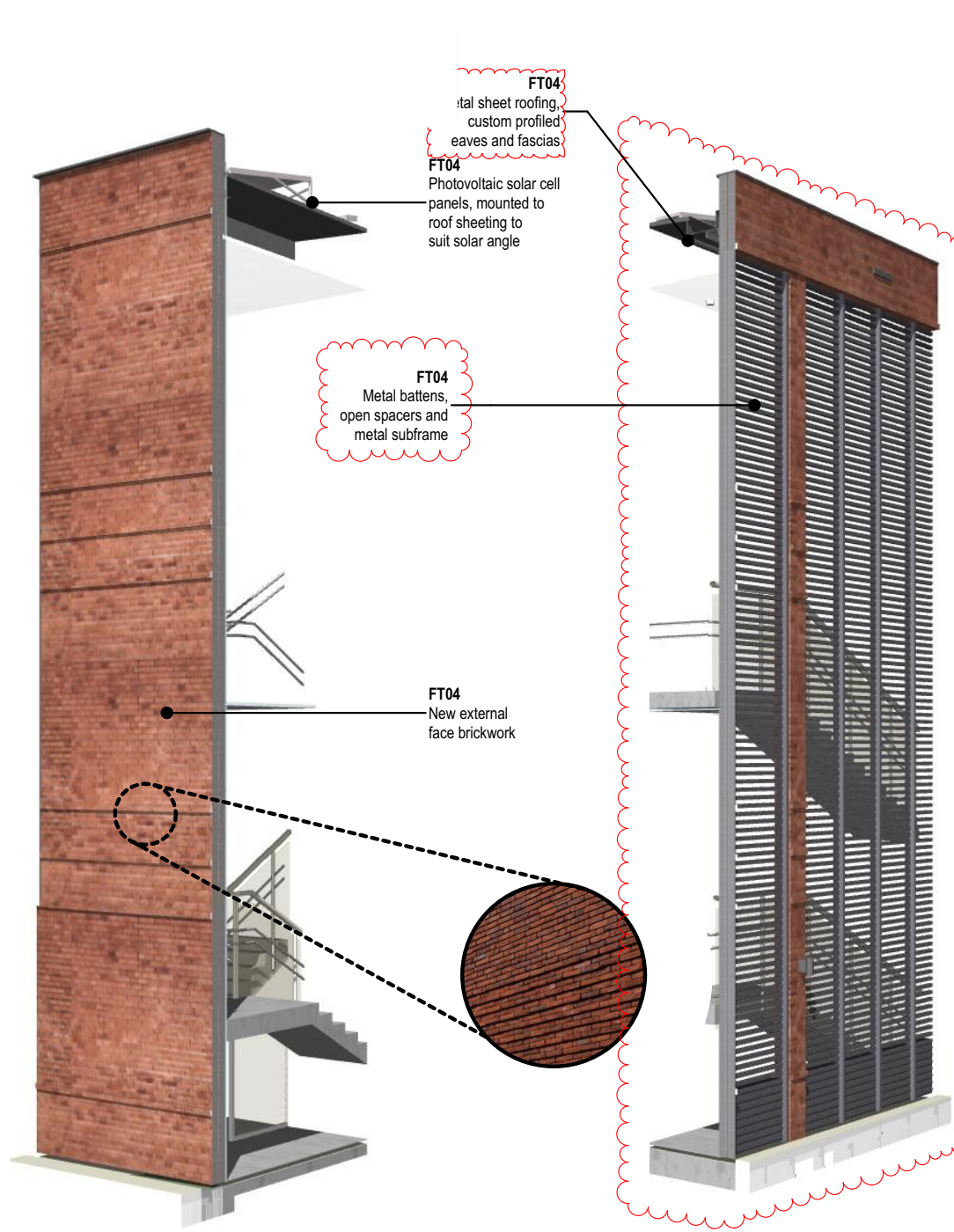


Facade Type 04

/ SSDA Facade

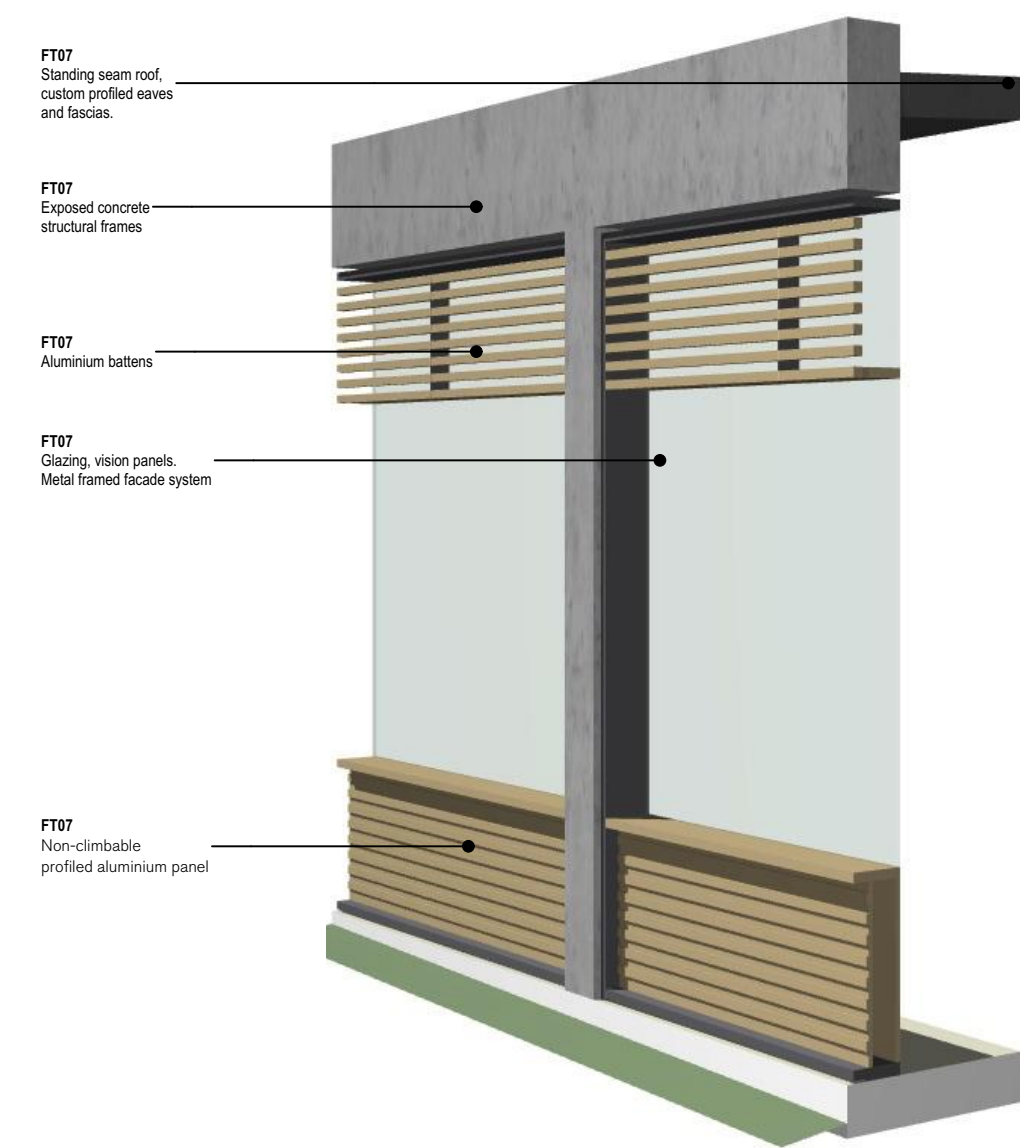


/ S4.55 Facade

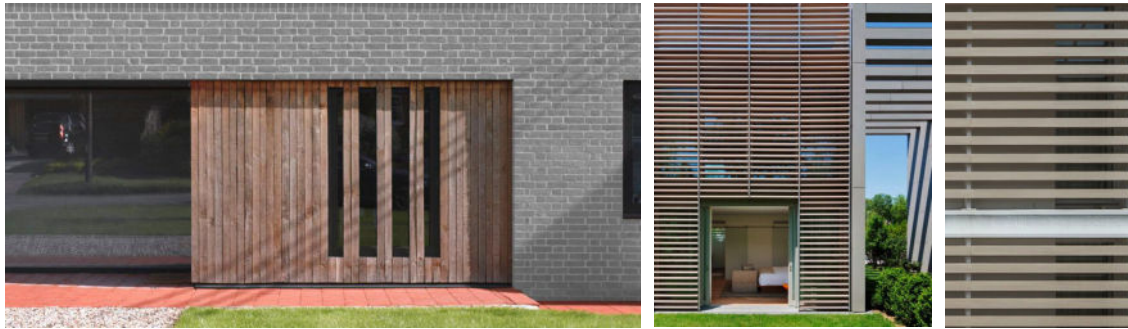
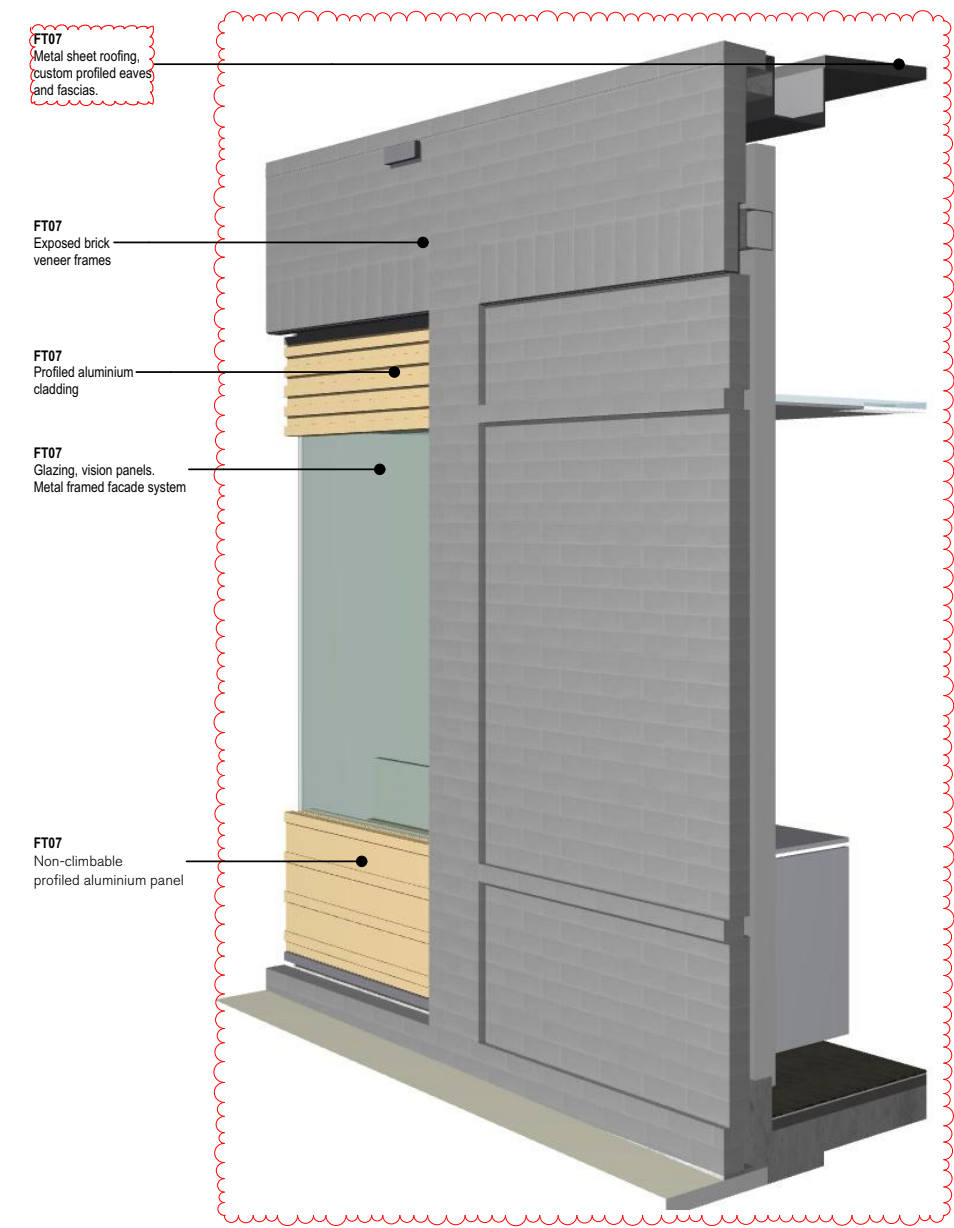


Facade Type 07

/ SSDA Facade



/ S4.55 Facade



Facade Type 13

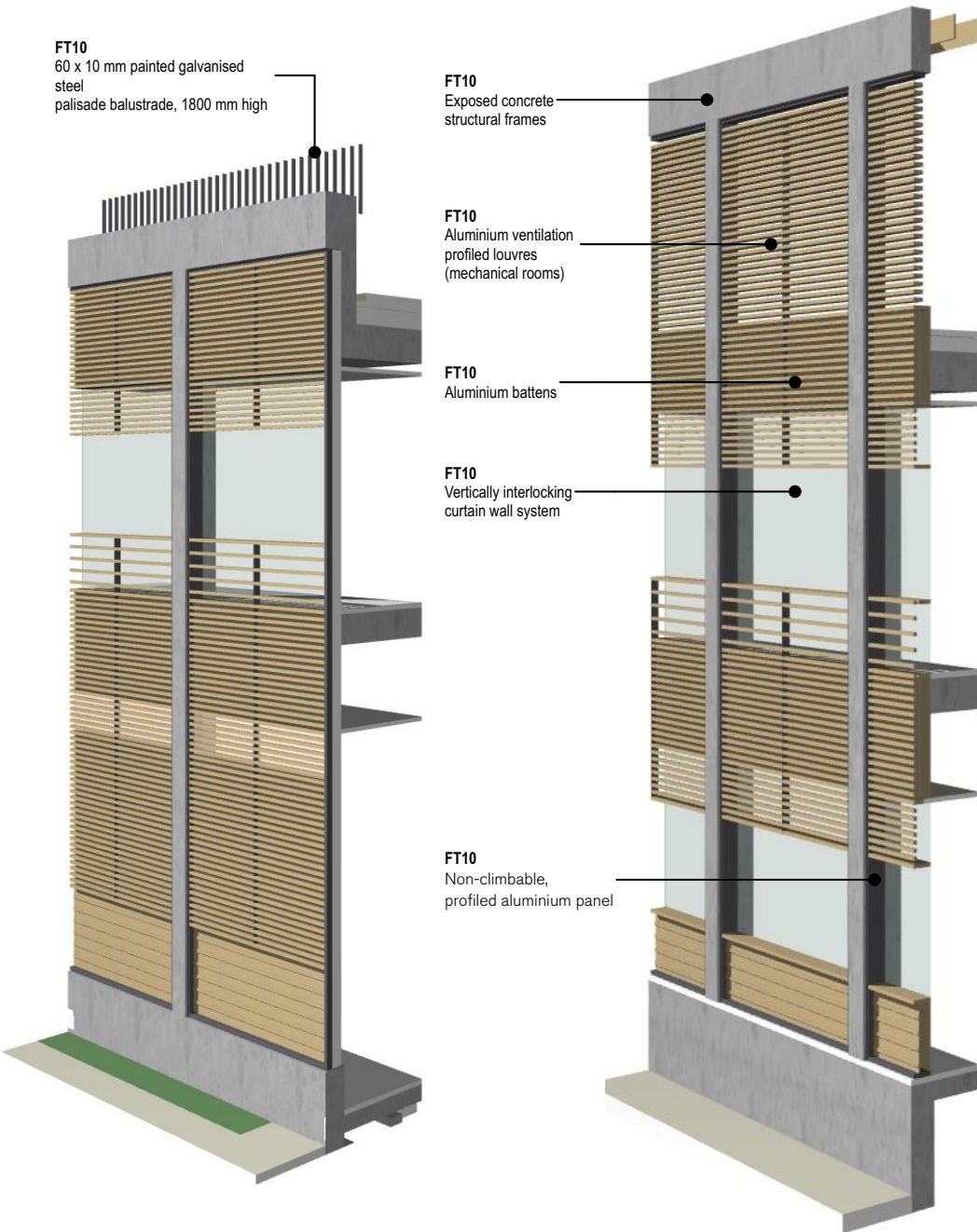
/ SSDA Facade

/ S4.55 Facade

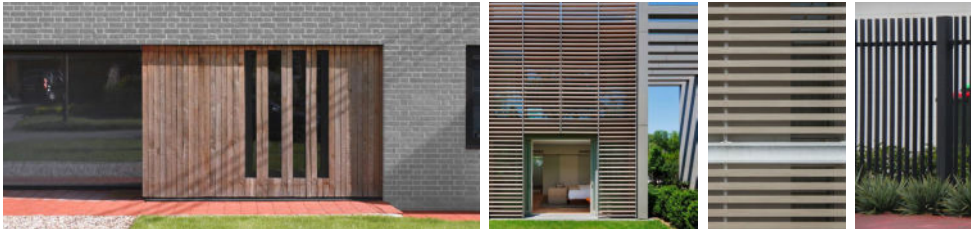
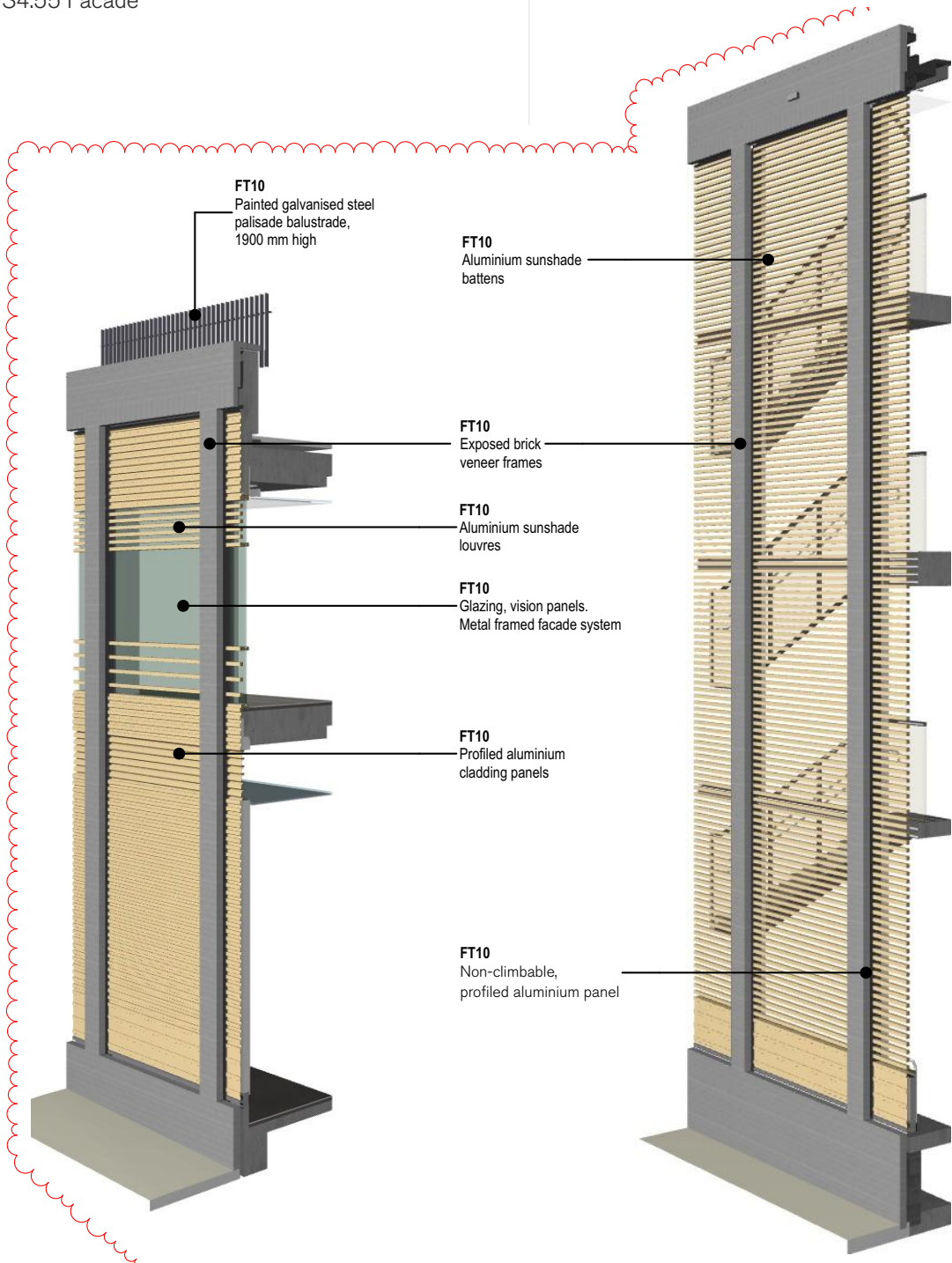


Facade Type 10

/ SSDA Facade



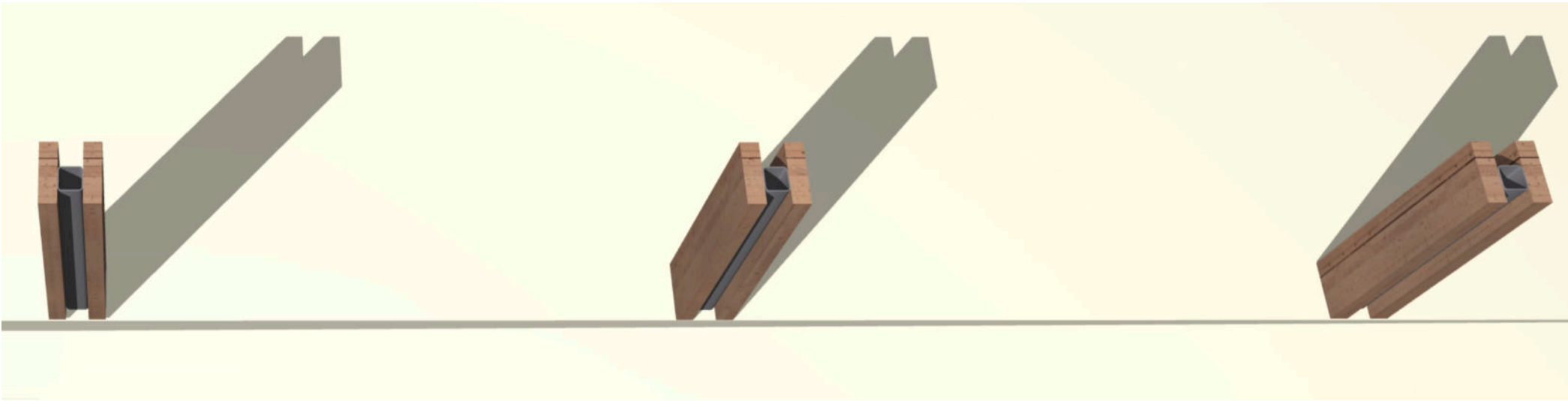
/ S4.55 Facade



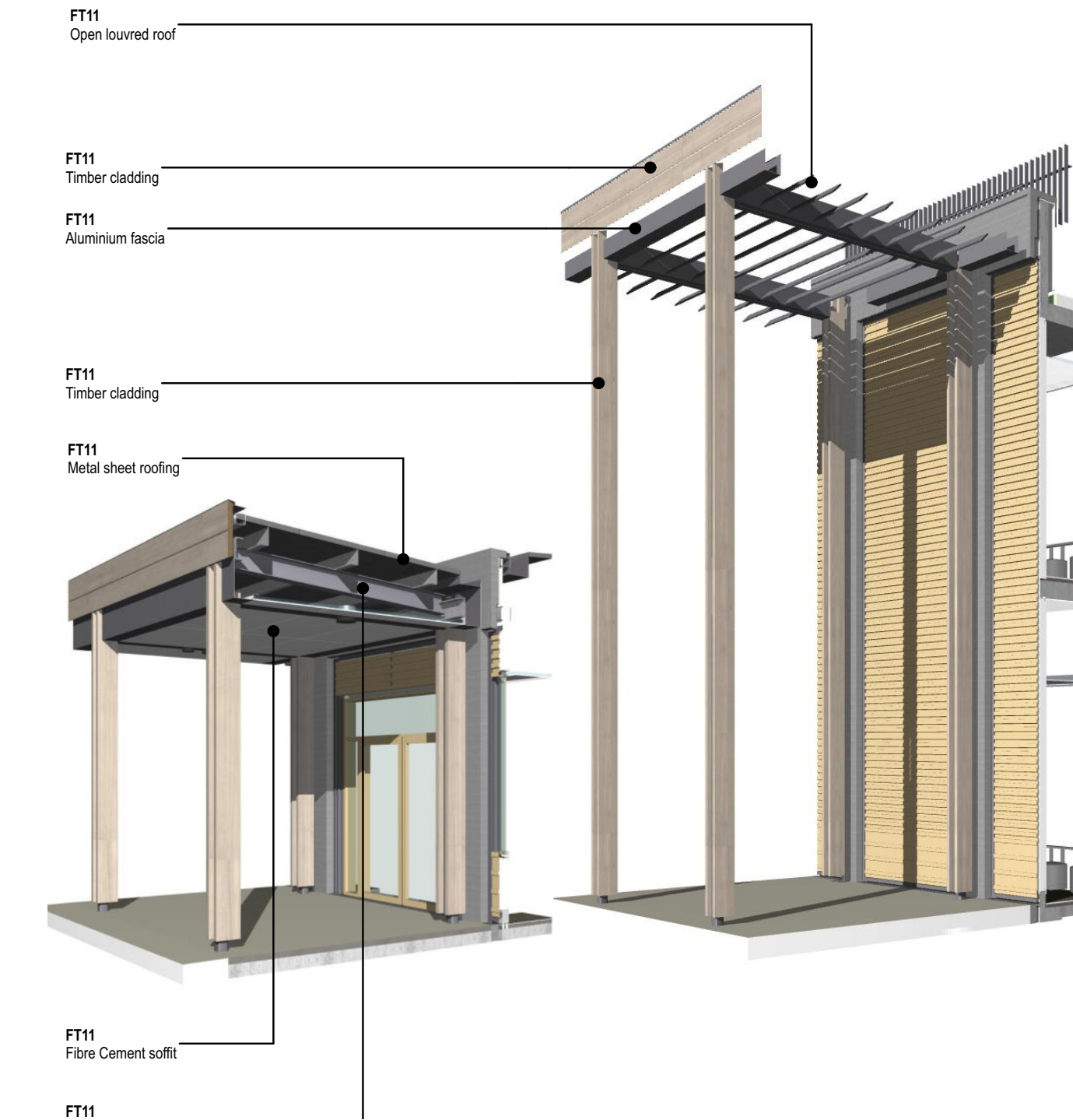
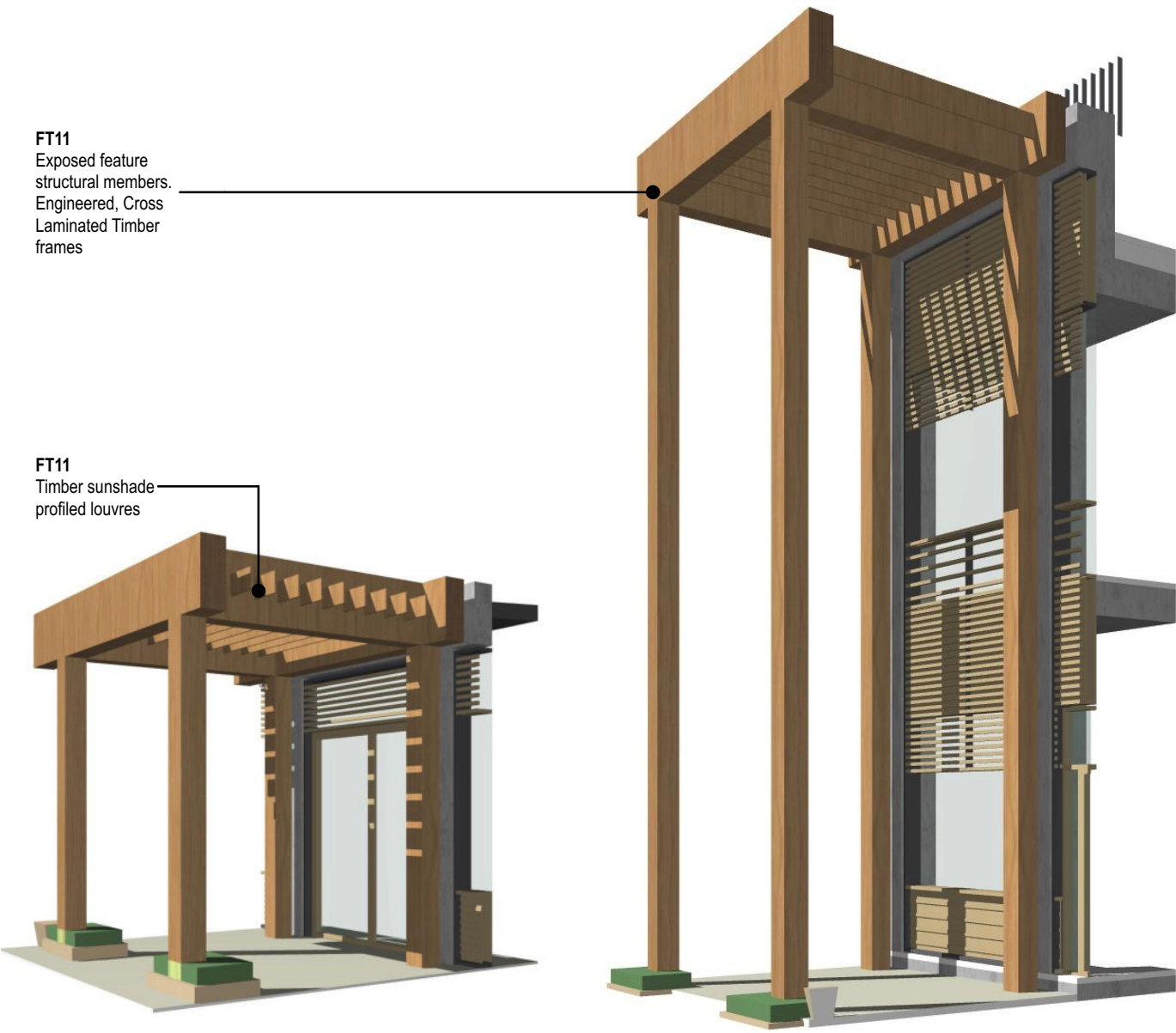
/ C.O.L.As and Colonnades - Revised Structure and Materiality

A hybrid steel / timber framed alternative has been proposed. Structural elements shall be realised in steel with a high-quality paint finish enabling an economy of fabrication, connection and section sizes. The structural steelwork finish shall be a highly durable Interthane industrial paint system. The system is especially formulated and designed for areas where a high wearing finish is required. It is a versatile coating delivering long term performance and is excellent in locations with aggressive environmental factors including high levels of exposure to solar, thermal, wind and salts.

The feature timber finish shall be sourced from a range of natural, true timber based products and is proposed to be unstained to allow the timber to age and develop a grey or silvered appearance; no stains are proposed to also limit the amount of ongoing maintenance required.

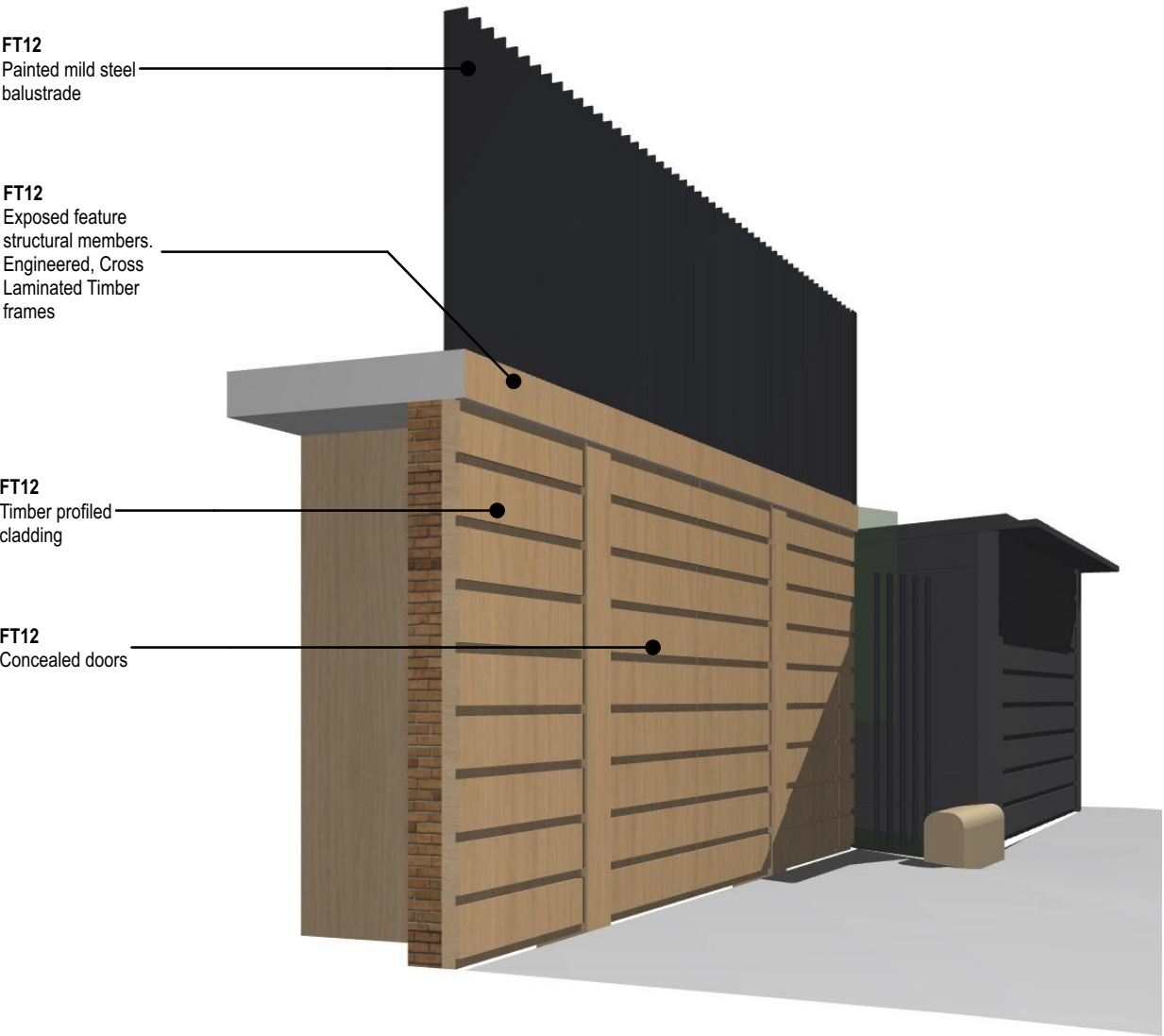


/ S4.55 - COLA 3D View - Columns Hybrid timber/Steel composition

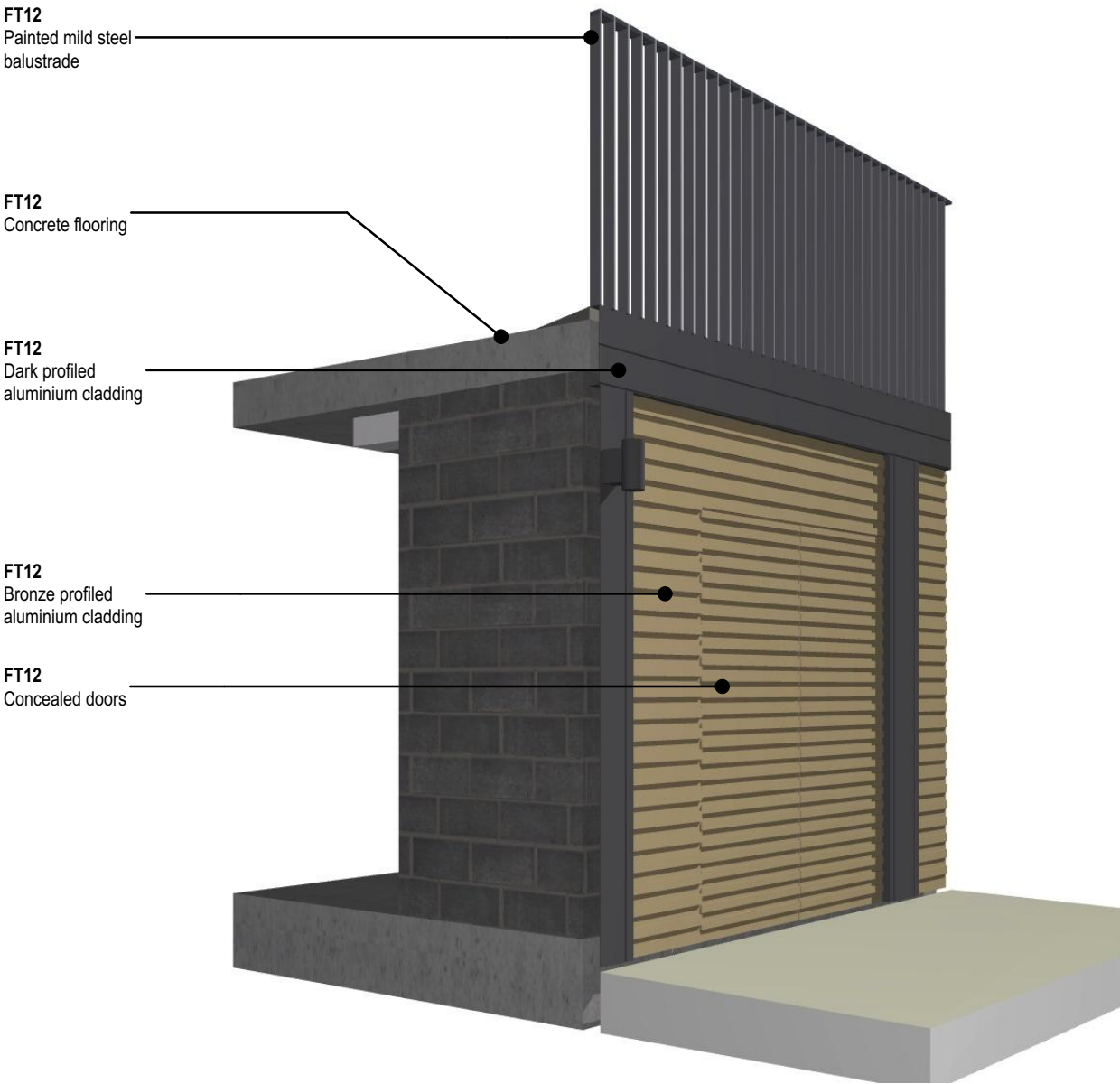


Facade Type 12 - Services Enclosure

/ SSDA Facade



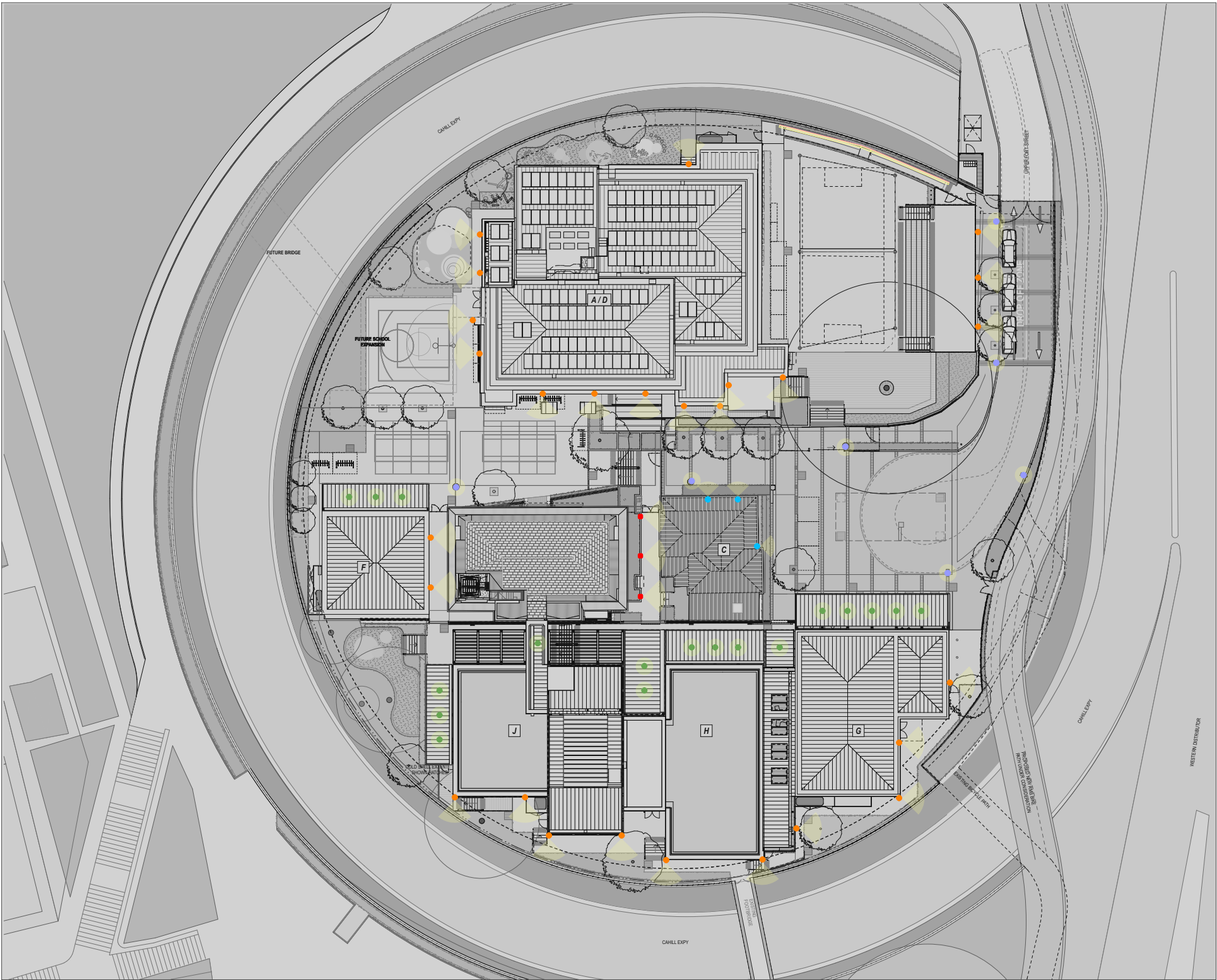
/ S4.55 Facade



External Lighting Strategy

The project lighting strategy has been adjusted somewhat to address emergent site and project constraints associated with the previously proposed frequency of fittings, overall project cost and scope constraints. This has been achieved in conjunction with the requirement to maintain a low level of upward-facing light output and sensitive fittings selections, in order to respect the functionality of the adjacent Sydney Observatory.

This diagram outlines the proposed alternative lighting design plan.



/ S4.55- Phase 1 - Drop off Diagram