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1 Site location plan
1 : 1250

PL	P1	31/05/2018	Issued for Planning
STATUS	REV	DATE	DESCRIPTION
CLIENT			REVISED BY Ieuan Evans
			CHECKED BY Edward Flood
			ORIGINATOR NO 151838

CONSULTANT
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PROJECT
IoS Smart Island
St Mary's Airport,
3 Hannover Ct,
Isles of Scilly,
TR21 0NG

DRAWING TITLE
Site Location Plan (Airport Building)

SUITABILITY STATUS PL : PLANNING	SCALE 1 : 1250 @ A1
PROJECT ORIGINATOR ZONE LEVEL TYPE ROLE CLASSIFICATION NUMBER 151838-STL-XX-ZZ-DR-A-XXXX-10003	REVISION P1

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CLIENT			<div>REVISED BY</div> <div>Ieuan Evans</div>
			<div>CHECKED BY</div> <div>Edward Flood</div>
			<div>ORIGINATOR NO</div> <div>151838</div>

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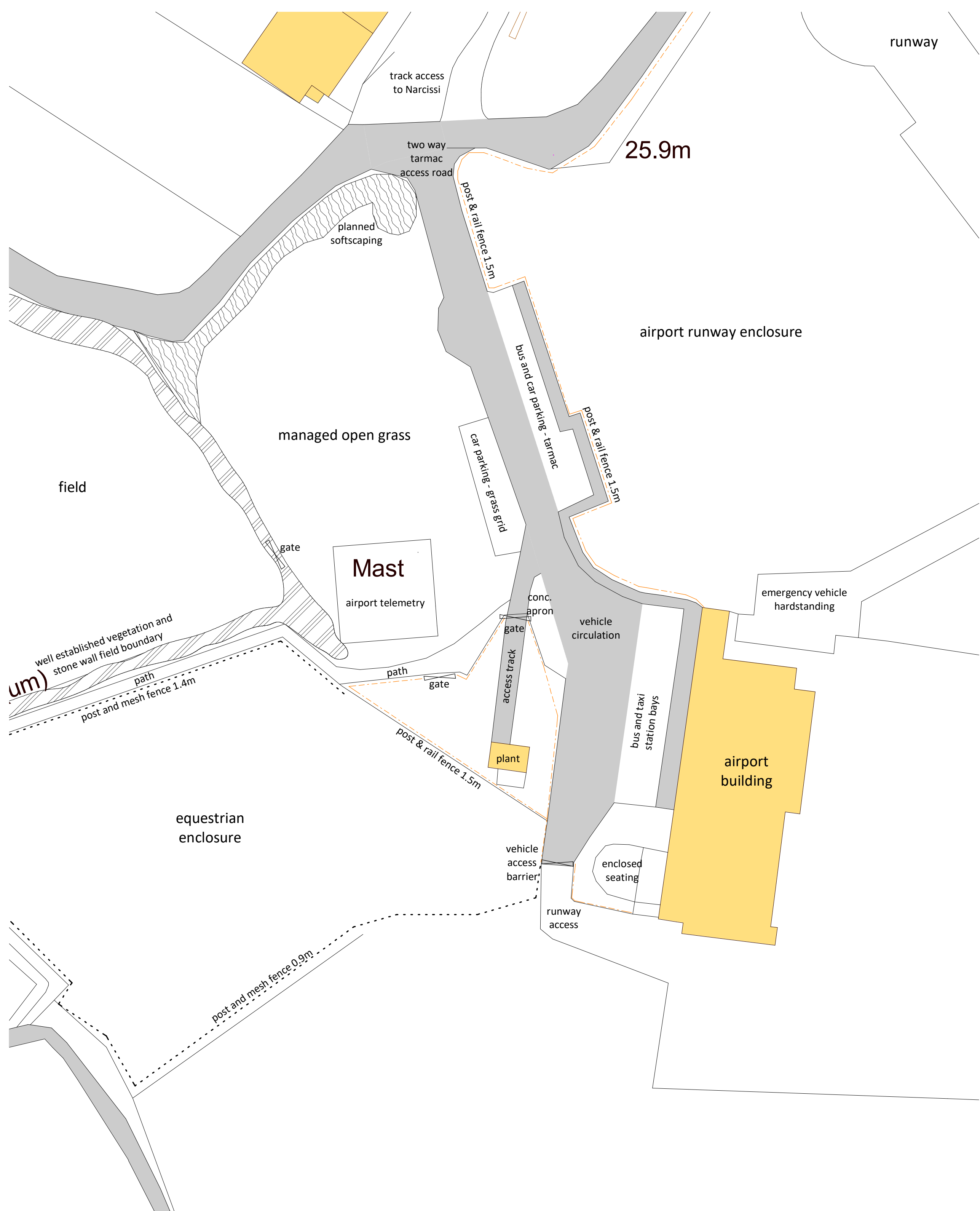
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IoS Smart Island
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TR21 0NG

DRAWING TITLE

Site Block Plan (Airport Building)

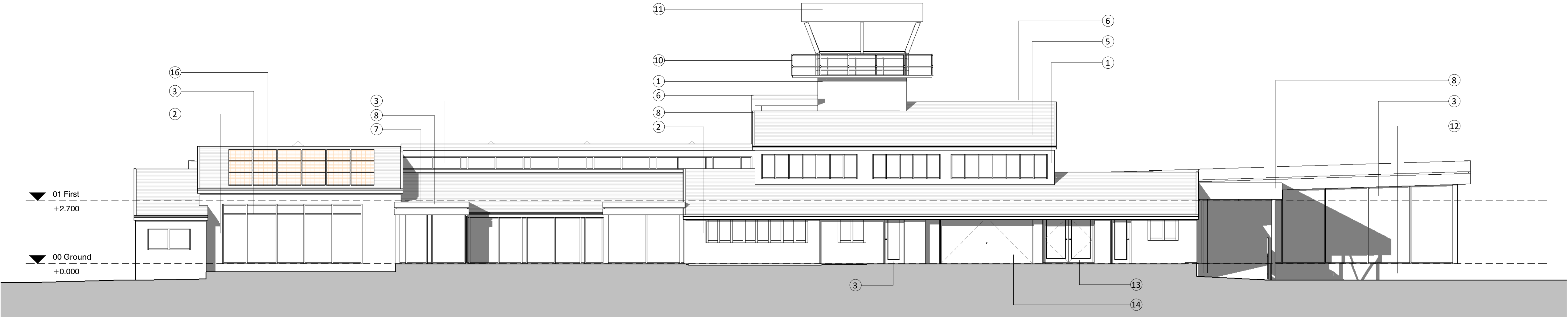
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PL : PLANNING		1 : 500 @ A1
PROJECT ORIGINATOR ZONE LEVEL TYPE ROLE CLASSIFICATION NUMBER		REVISION
151838-STL-XX-ZZ-DR-A-XXXX-10004		P1



1 Site Block Plan (Aiport Building)
1 : 500

Planning Materials Notes

Note Number	Note Text
1	White grit dry dash render
2	Cream painted smooth render finish and surrounds to windows
3	Grey powder coated metal glazed walling windows and doors
4	Grey painted steel columns and bracing
5	Brown plain concrete tile roof covering
6	Brown concrete angled ridge tiles
7	Grey single ply membrane roof covering
8	Grey powder coated metal roof fascia, guttering and trims
9	Grey powder coated metal louvred ventilation turrets
10	Brown painted metal observation gangway and railing
11	Brown painted metal panel cladding and glazed walling tower
12	Blue painted smooth render finish
13	Red painted doorset
14	Metal up and over garage door
15	Glass and stainless steel railing
16	Proposed PV Panels



2 East Elevation
1 : 100



1 West Elevation
1 : 100

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CLIENT				CHECKED BY
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				151838

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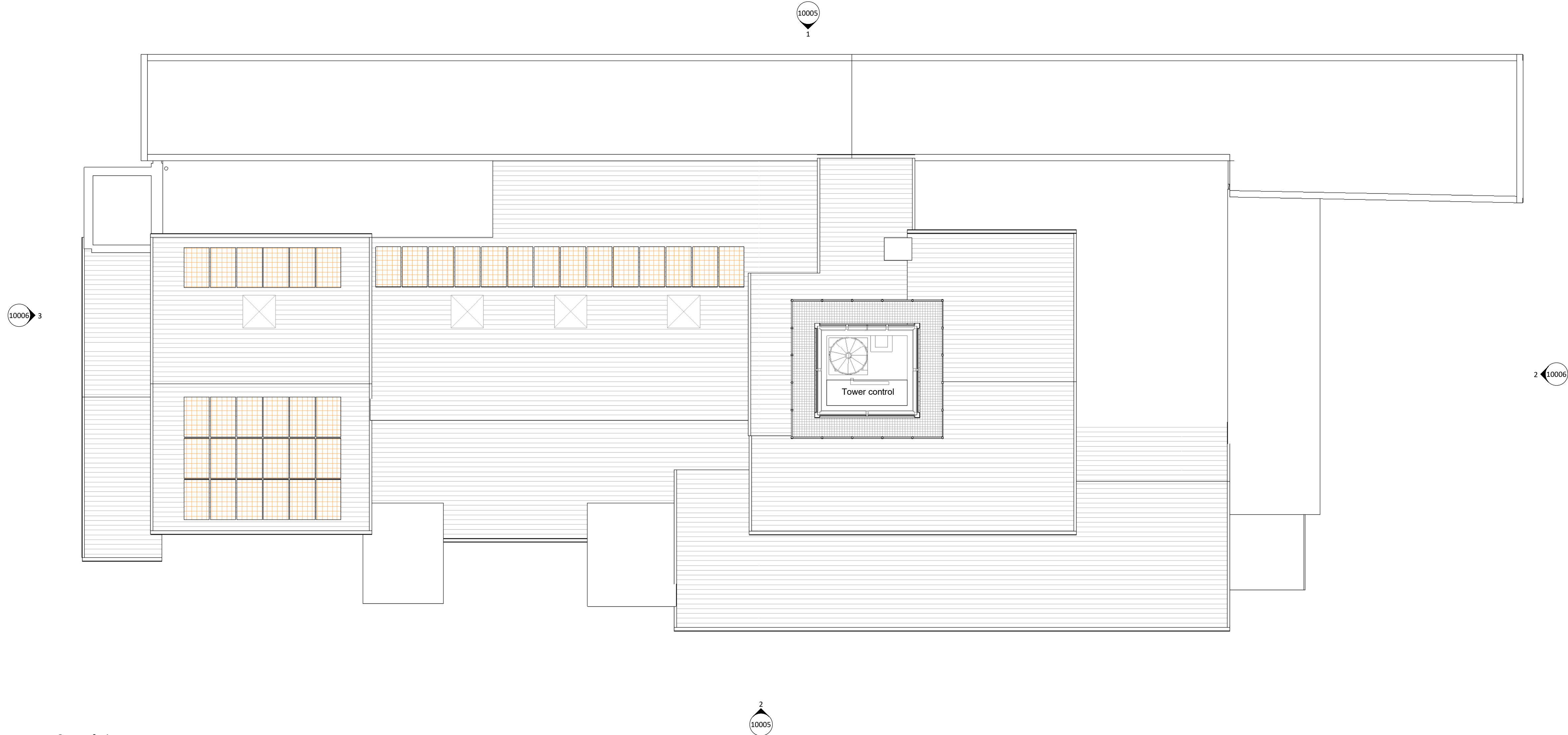
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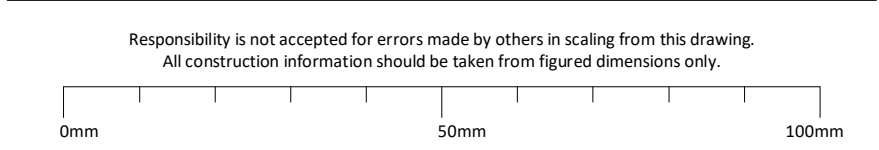
DRAWING TITLE

Plans and Elevations 1

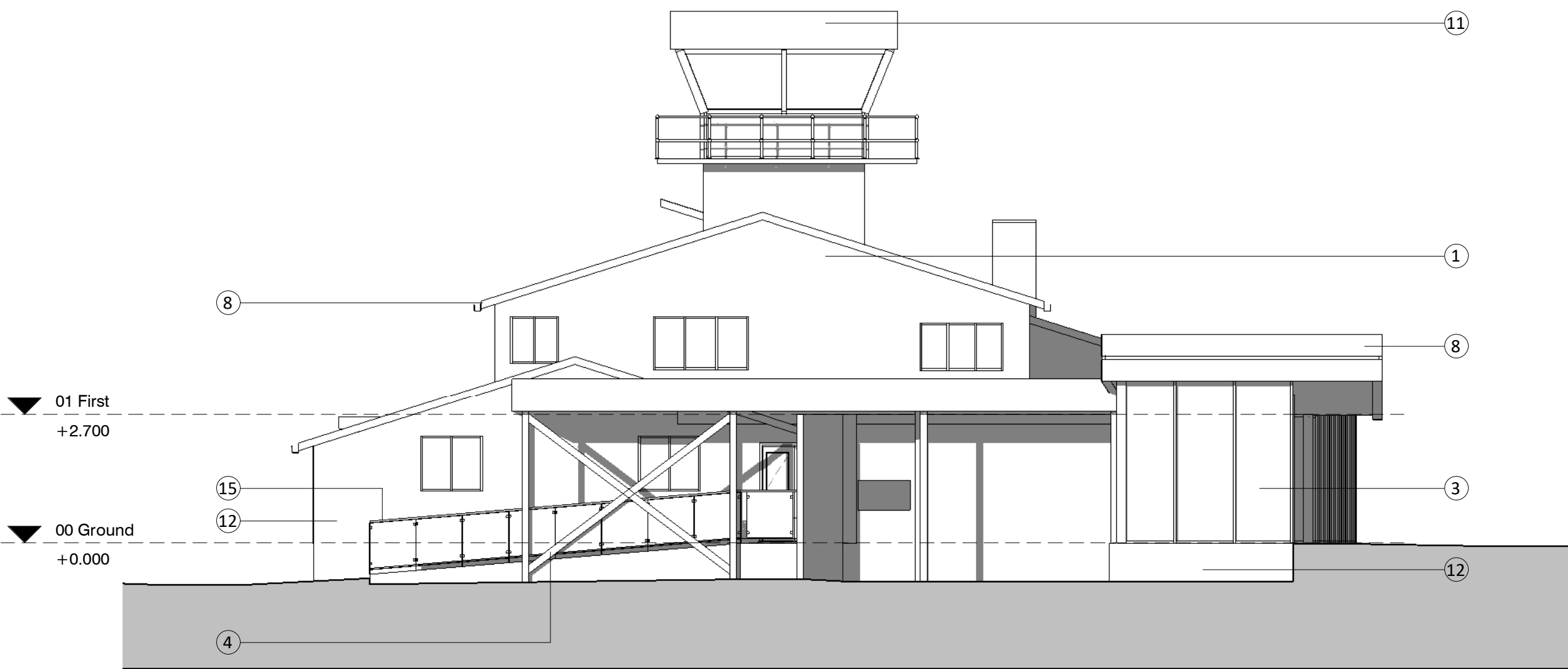
SUITABILITY STATUS	SCALE
PL : PLANNING	1 : 100 @ A1
PROJECT ORIGINATOR ZONE LEVEL TYPE ROLE CLASSIFICATION NUMBER	REVISION
151838-STL-XX-ZZ-DR-A-XXXX-10005	P1



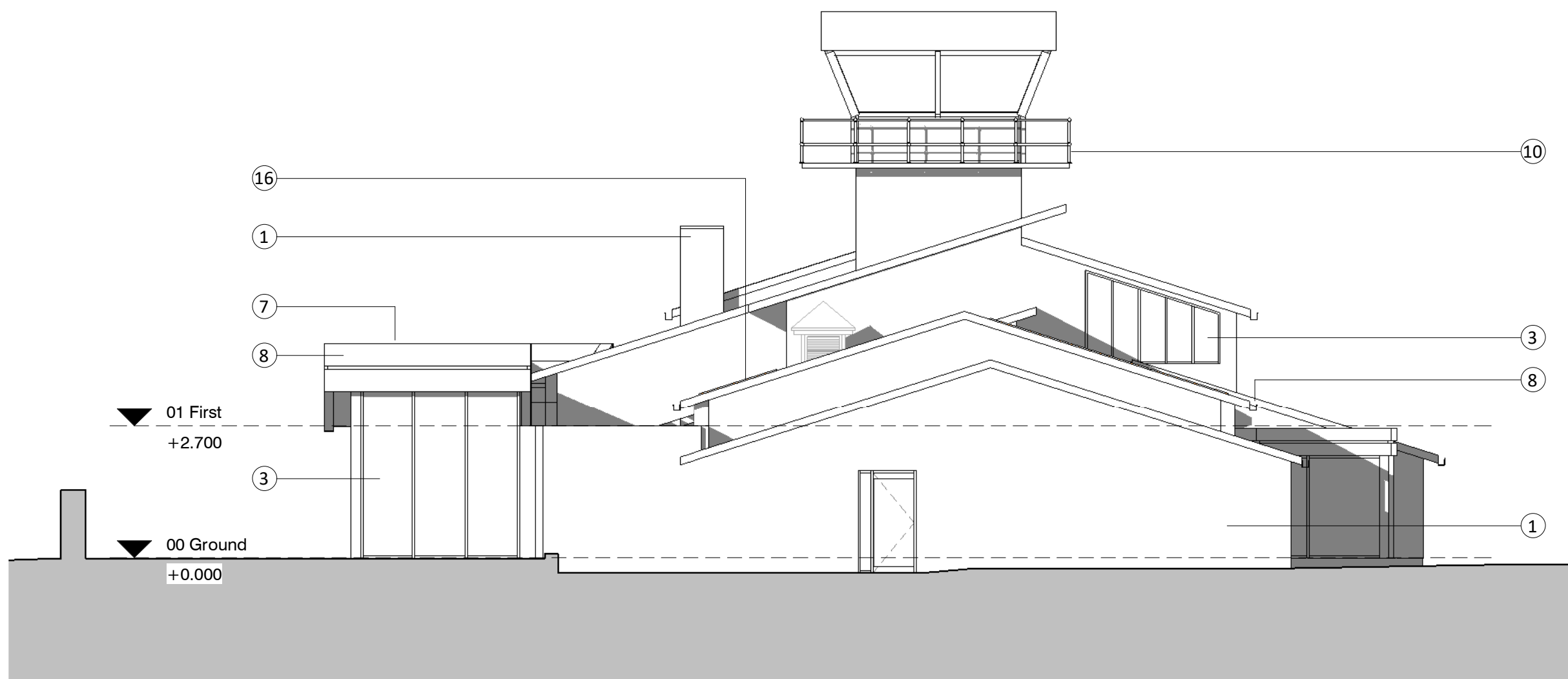
1 02 Tower & Roof plan
1 : 100



Planning Materials Notes	
Note Number	Note Text
1	White grit dry dash render
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14	Metal up and over garage door
15	Glass and stainless steel railing
16	Proposed PV Panels



2 North Elevation
1 : 100



3 South Elevation
1 : 100

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DRAWING TITLE
Plans and Elevations 2

SUITABILITY STATUS PL : PLANNING	SCALE 1 : 100 @ A1
PROJECT ORIGINATOR ZONE LEVEL TYPE ROLE CLASSIFICATION NUMBER 151838-STL-XX-ZZ-DR-A-XXXX-10006	REVISION P1

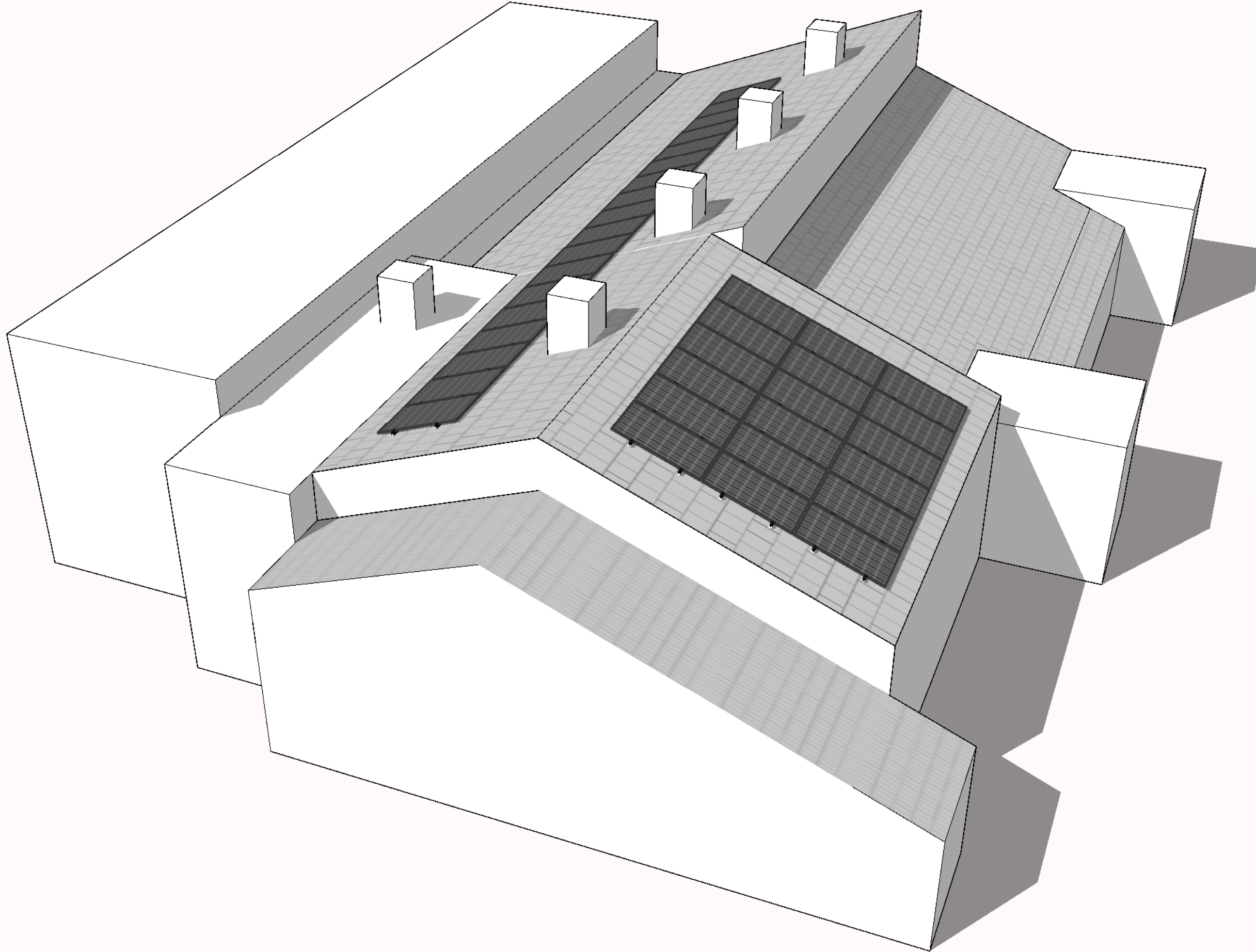


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St Marys Airport

11kW East West 9,800kWh Annual generation

Array layout



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St Marys Airport

11kW East West 9,800kWh Annual generation

Fixing method

K2 End Clamp

K2 Solid rail

Roof hook (Tile)

Solar modules clamped to rail in portrait orientation. Maximum height of module above roof covering <180mm. Rail is fixed to stainless steel roof hooks. Roof hooks screwed to rafters at intervals according to site specific calculated wind loads. Failure consequence class 2. Solar module removed to show fixing method.

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11kW East West 9,800kWh Annual generation

Module Datasheet



The new **Q.PEAK DUO BLK-G5** solar module from Q CELLS impresses with its outstanding visual appearance and particularly high performance on a small surface thanks to the innovative **Q.ANTUM DUO** Technology. Q.ANTUM's world-record-holding cell concept has now been combined with state-of-the-art circuitry half cells and a six-busbar design, thus achieving outstanding performance under real conditions — both with low-intensity solar radiation as well as on hot, clear summer days.



Q.ANTUM TECHNOLOGY: LOW LEVELIZED COST OF ELECTRICITY
Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.3 %.



INNOVATIVE ALL-WEATHER TECHNOLOGY
Optimal yields, whatever the weather with excellent low-light and temperature behavior.



ENDURING HIGH PERFORMANCE
Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



EXTREME WEATHER RATING
High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa) regarding IEC.



A RELIABLE INVESTMENT
Inclusive 12-year product warranty and 25-year linear performance guarantee².



STATE OF THE ART MODULE TECHNOLOGY
Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

THE IDEAL SOLUTION FOR:



Engineered in Germany



¹ APT test conditions according to IEC/TS 62804-1:2015, method B (~1500V, 168h)
² See data sheet on rear for further information.

Q CELLS

MECHANICAL SPECIFICATION			
Format	1670mm × 1000mm × 32mm (including frame)		
Weight	18.8kg		
Front Cover	3.2mm thermally pre-stressed glass with anti-reflection technology		
Back Cover	Composite film		
Frame	Black anodised aluminium		
Cell	6 × 10 monocrystalline Q.ANTUM solar cells		
Junction box	66-77 mm × 115-90mm × 15-19mm Protection class IP67, with bypass diodes		
Cable	4mm² Solar cable; (+) 1000 mm, (-) 1000 mm		
Connector	Multi-Contact MC4 or MC4 intermateable, IP68		

NOTE: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Hanwha Q CELLS GmbH
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Q CELLS

Engineered in Germany