

# The Keadby 3 Low Carbon Gas Power Station Project

**Document Ref: 4.12**

**Planning Inspectorate Ref: EN010114**

**The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order**

**Land at and in the vicinity of the Keadby Power Station site, Trentside, Keadby, North Lincolnshire**

## Indicative CO<sub>2</sub> Above Ground Installation Plans

**The Planning Act 2008**

**The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(o)**

**Applicant: Keadby Generation Limited**

**Date: May 2021**

**DOCUMENT HISTORY**

<b>Document Ref</b>	4.12/Indicative CO2 Above Ground Installation Plans
<b>Revision</b>	VP1.0
<b>Document Owner</b>	AECOM

**PROJECT**

The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order

**APPLICANT**

Keadby Generation Limited

**CONSULTANT**

AECOM LIMITED  
GROUND FLOOR  
2 CITY WALK  
LEEDS, LS11 9AR  
T: +44-(0)113-301-8400  
WWW.AECOM.COM

**LEGEND**

- THE ORDER LIMITS
- Works Plan:
  - WORK NO. 7A CARBON DIOXIDE CONDITIONING AND COMPRESSION FACILITIES
  - WORK NO. 7B NATIONAL GRID HIGH PRESSURE CARBON DIOXIDE APPARATUS
  - INDICATIVE ROUTE OF ZERO CARBON HUMBER CO2 EXPORT PIPELINE CONNECTION

**NOTES**

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The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order  
Regulation 5(2)(o) - Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009

**ISSUE PURPOSE**

DCO APPLICATION

**PROJECT NUMBER**

60625943

**SHEET TITLE**

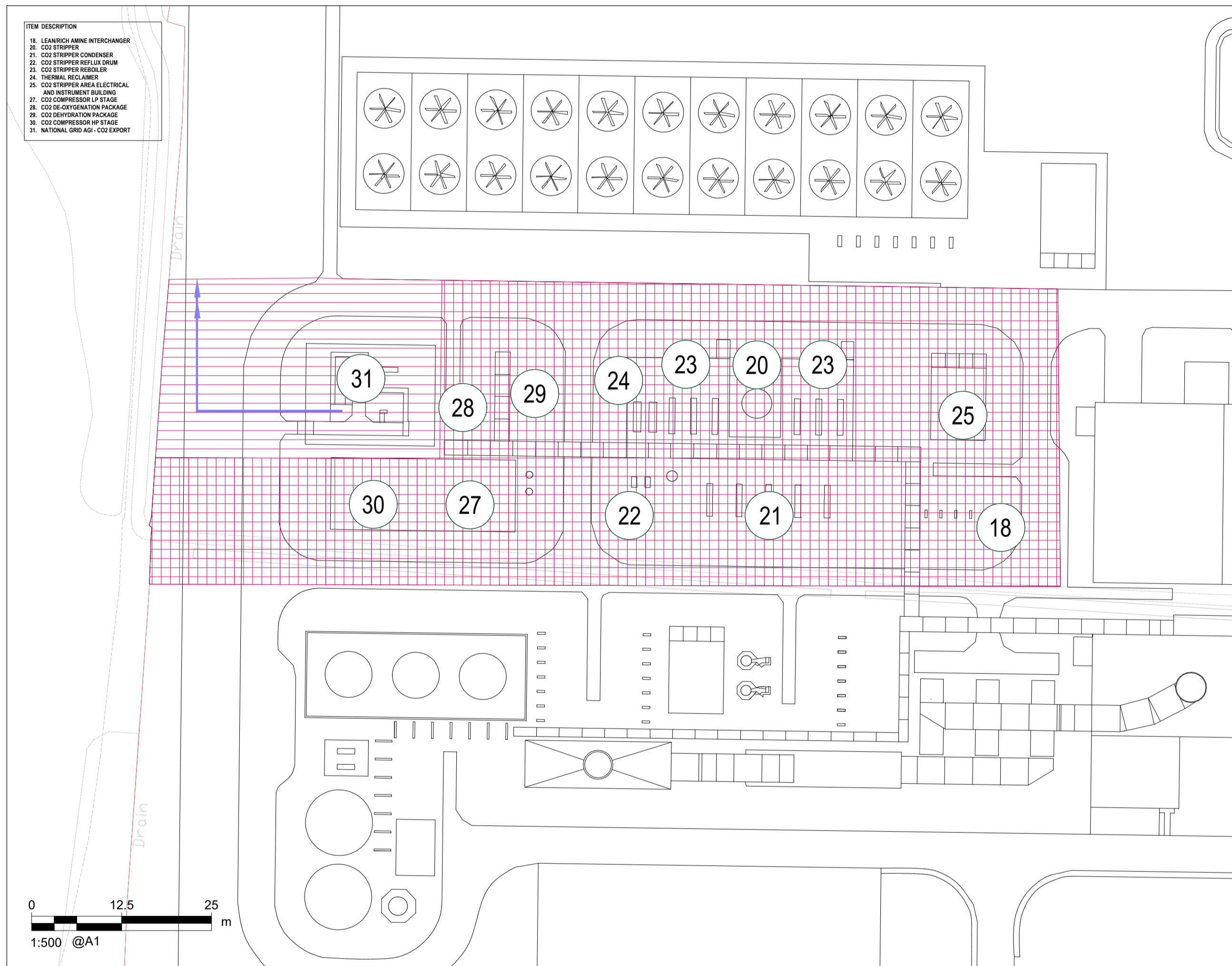
Indicative CO2 Above Ground Installation Plans  
Sheet 1 of 3 - Key Plan

**SHEET NUMBER**

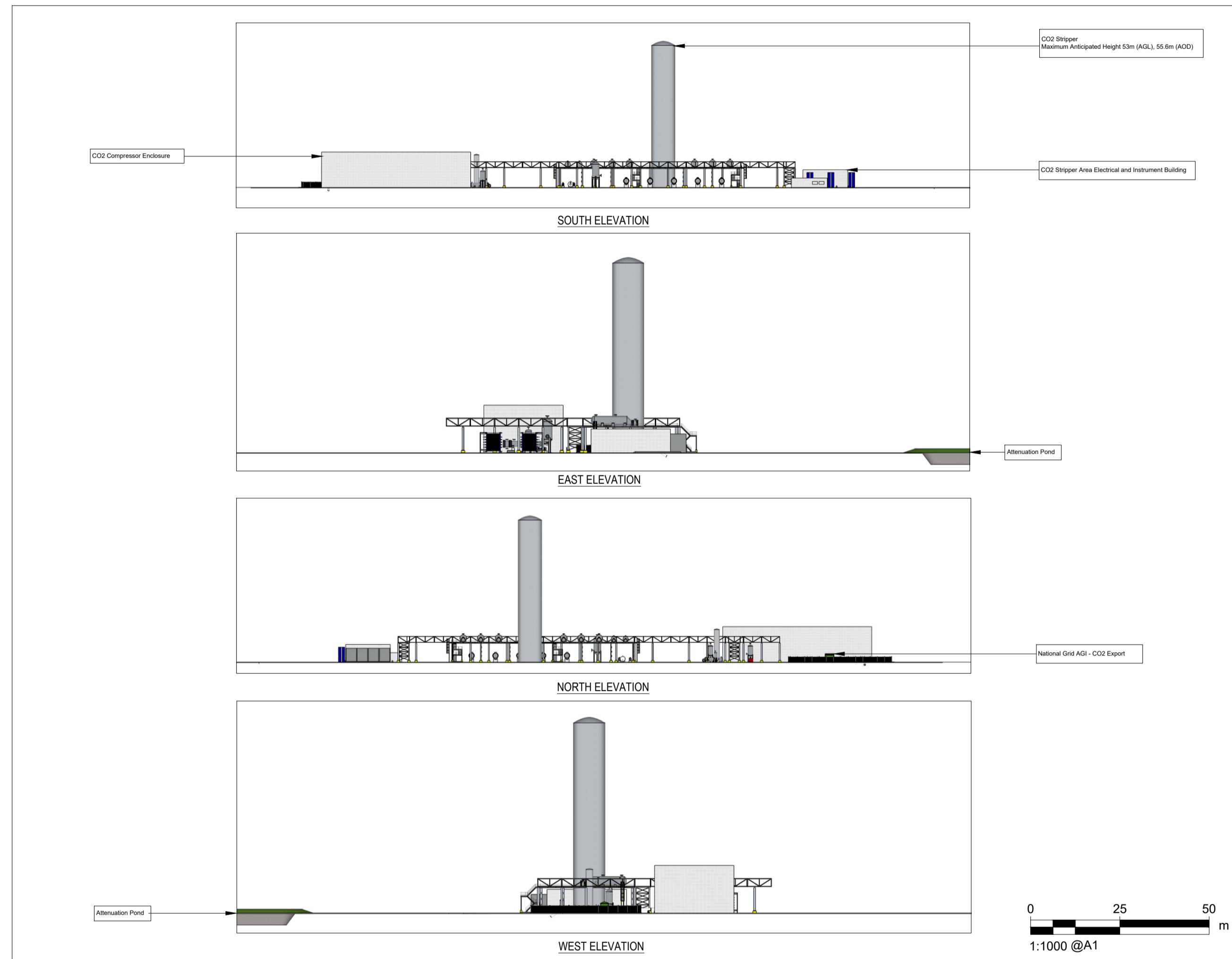
Application Document Ref. 4.12  
60625943-PE-DRG-019

Project Management Initials: Designer: \_\_\_\_\_ Checked: \_\_\_\_\_ Approved: \_\_\_\_\_

Last saved by: DAN RAILEANU(2021-05-18) Last Plotted: 2021-05-27  
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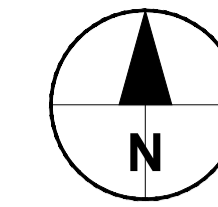
SHEET 2 OF 3 - LAYOUT VIEW



SHEET 3 OF 3 - ELEVATION VIEW

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ITEM DESCRIPTION
18. LEANRICH AMINE INTERCHANGER
20. CO2 STRIPPER
21. CO2 STRIPPER CONDENSER
22. CO2 STRIPPER REFLUX DRUM
23. CO2 STRIPPER REBOILER
24. THERMAL RECLAIMER
25. CO2 STRIPPER AREA ELECTRICAL AND INSTRUMENT BUILDING
27. CO2 COMPRESSOR LP STAGE
28. CO2 DE-OXYGENATION PACKAGE
29. CO2 DEHYDRATION PACKAGE
30. CO2 COMPRESSOR HP STAGE
31. NATIONAL GRID AGI - CO2 EXPORT



# AECOM

PROJECT

The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order


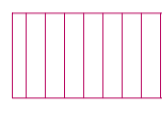


APPLICANT

Keadby Generation Limited

CONSULTANT

AECOM LIMITED  
GROUND FLOOR  
2 CITY WALK  
LEEDS, LS11 9AR  
T:+44-(0)113-301-8400  
WWW.AECOM.COM

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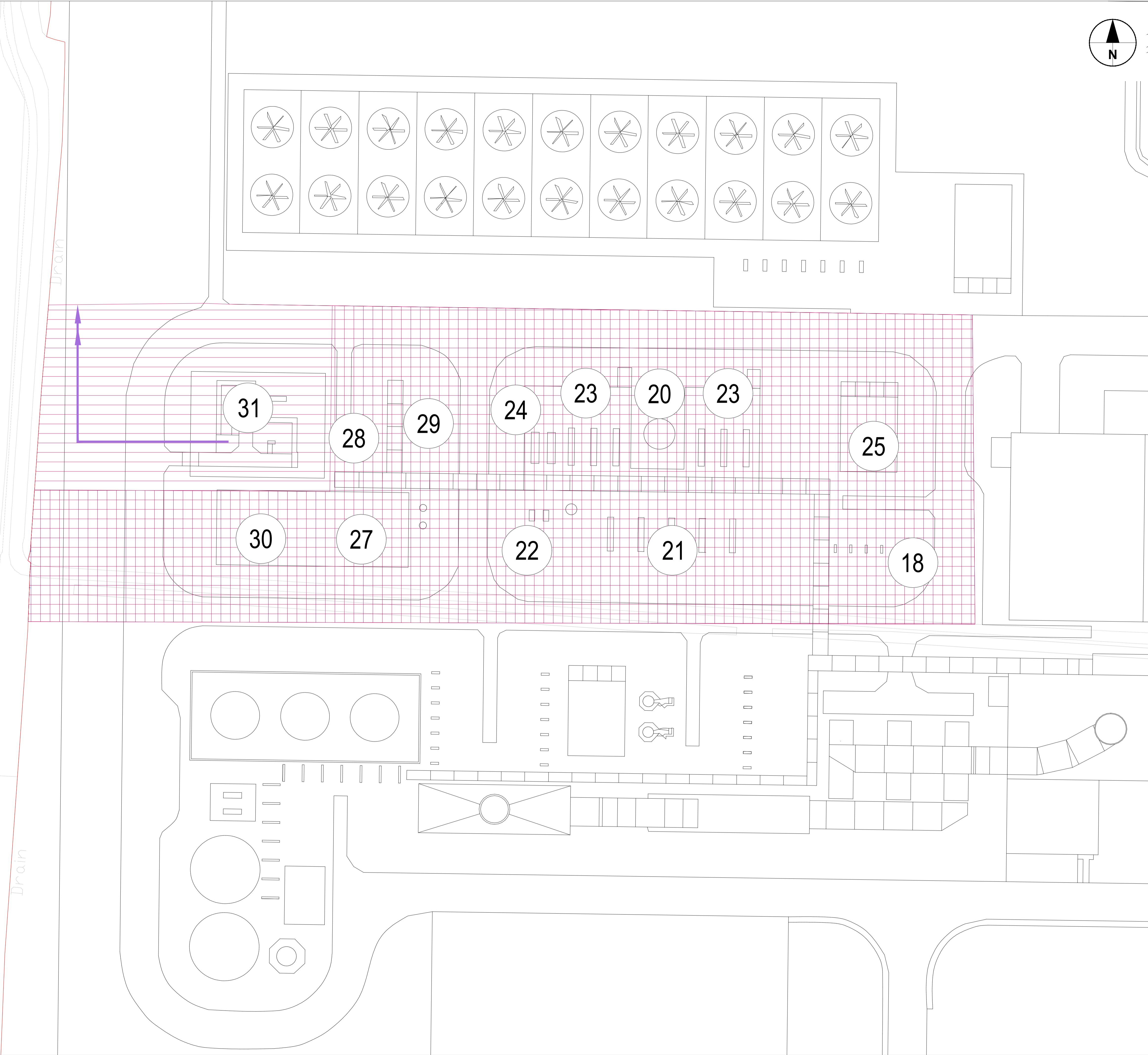
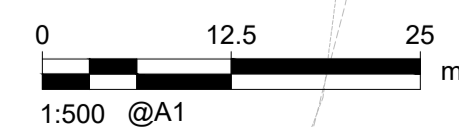
SHEET TITLE

Indicative CO2 Above Ground Installation Plans  
Sheet 2 of 3 - Layout View

SHEET NUMBER

Application Document Ref. 4.12  
60625943-PE-DRG-020

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**PROJECT**

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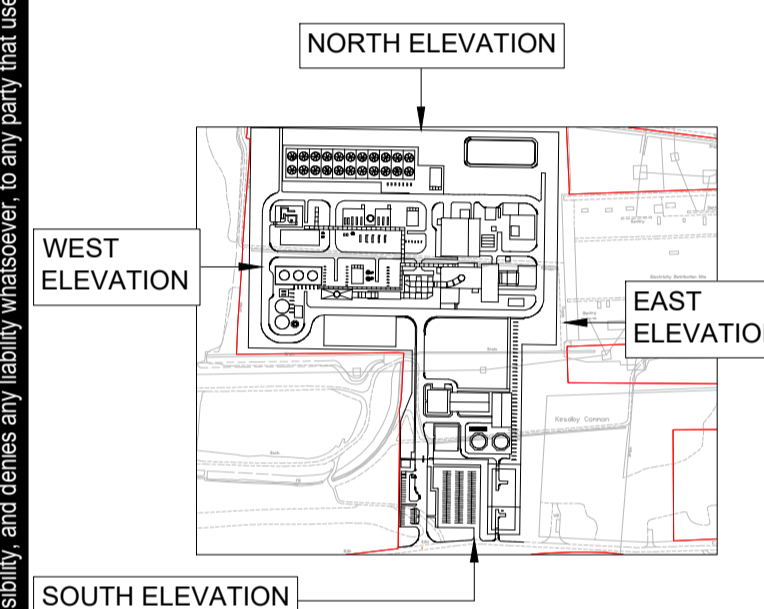
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AECOM LIMITED  
GROUND FLOOR  
2 CITY WALK  
LEEDS, LS11 9AR  
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**LEGEND**



PLAN VIEW

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**ISSUE PURPOSE**

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**PROJECT NUMBER**

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**SHEET TITLE**

Indicative CO2 Above Ground Installation Plans  
Sheet 3 of 3 - Elevation View

**SHEET NUMBER**

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CO2 Compressor Enclosure

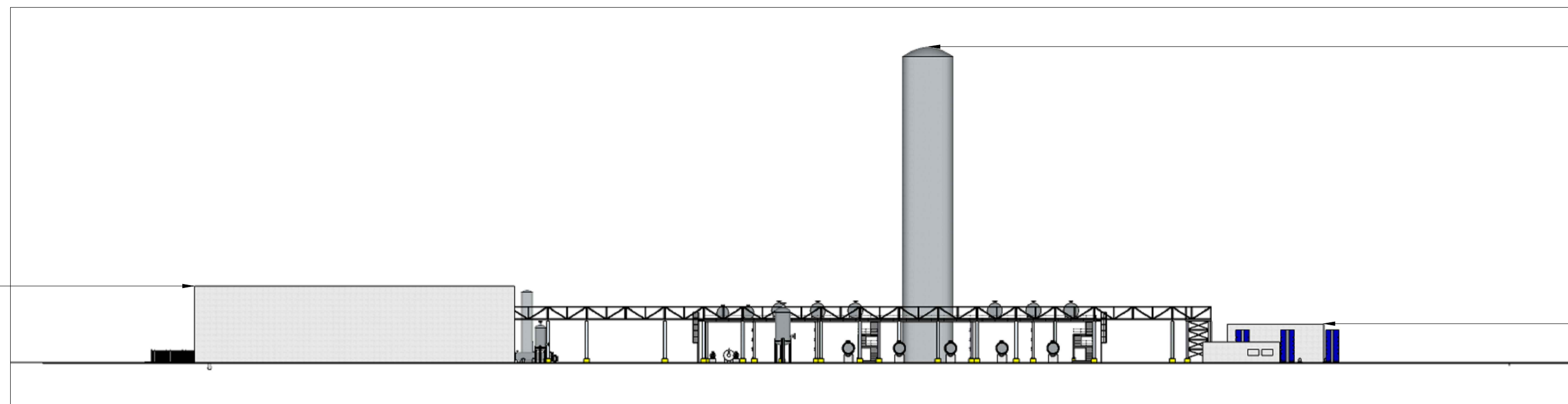
CO2 Stripper  
Maximum Anticipated Height 53m (AGL), 55.6m (AOD)

CO2 Stripper Area Electrical and Instrument Building

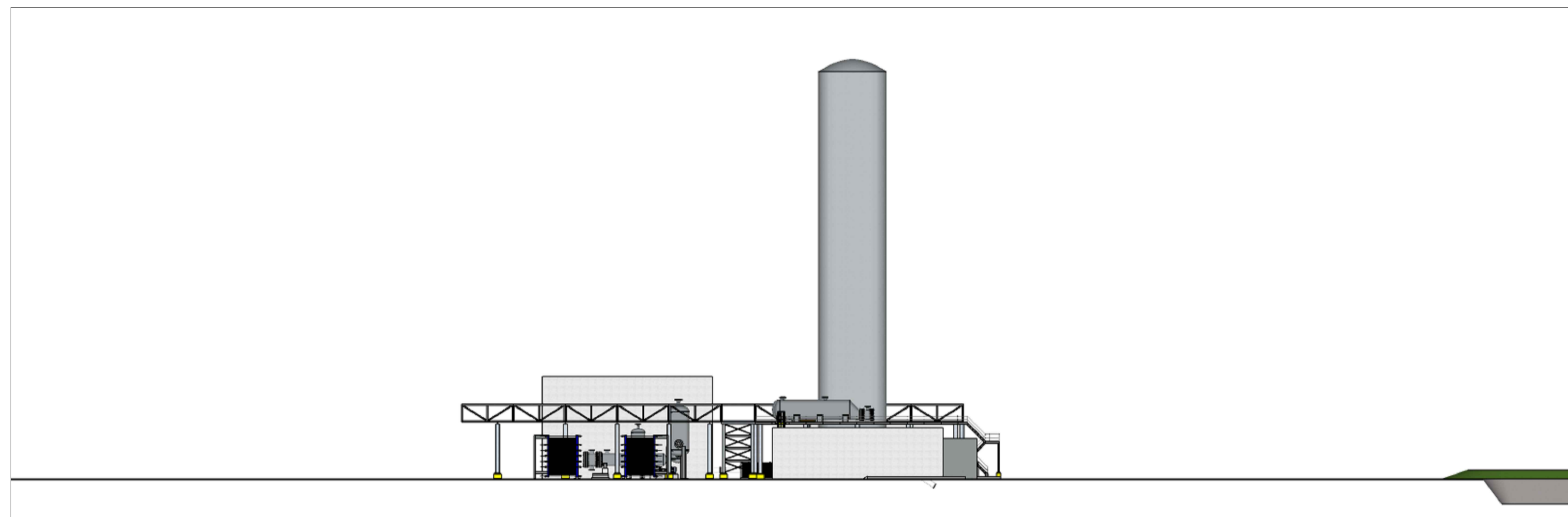
Attenuation Pond

National Grid AGI - CO2 Export

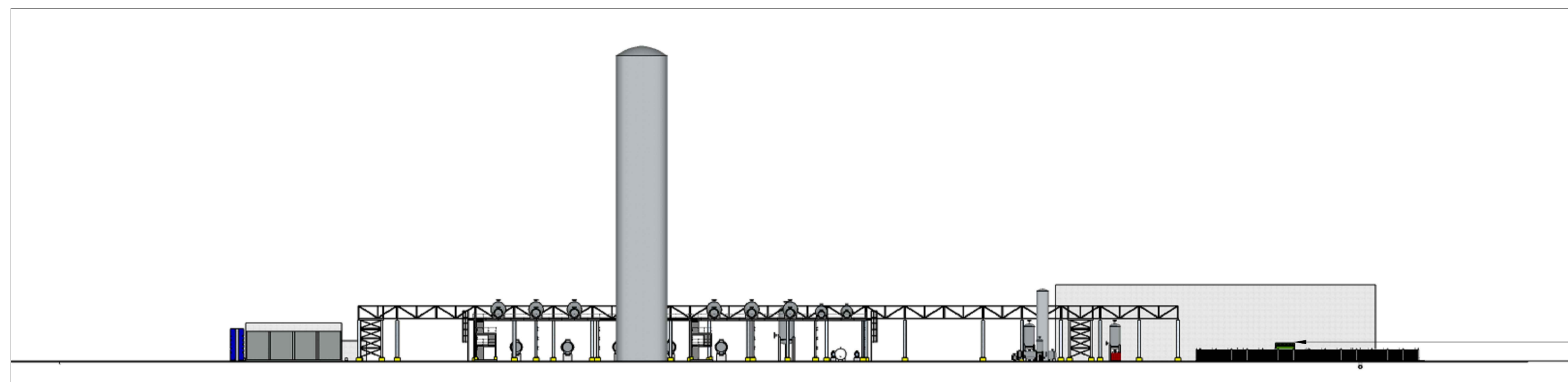
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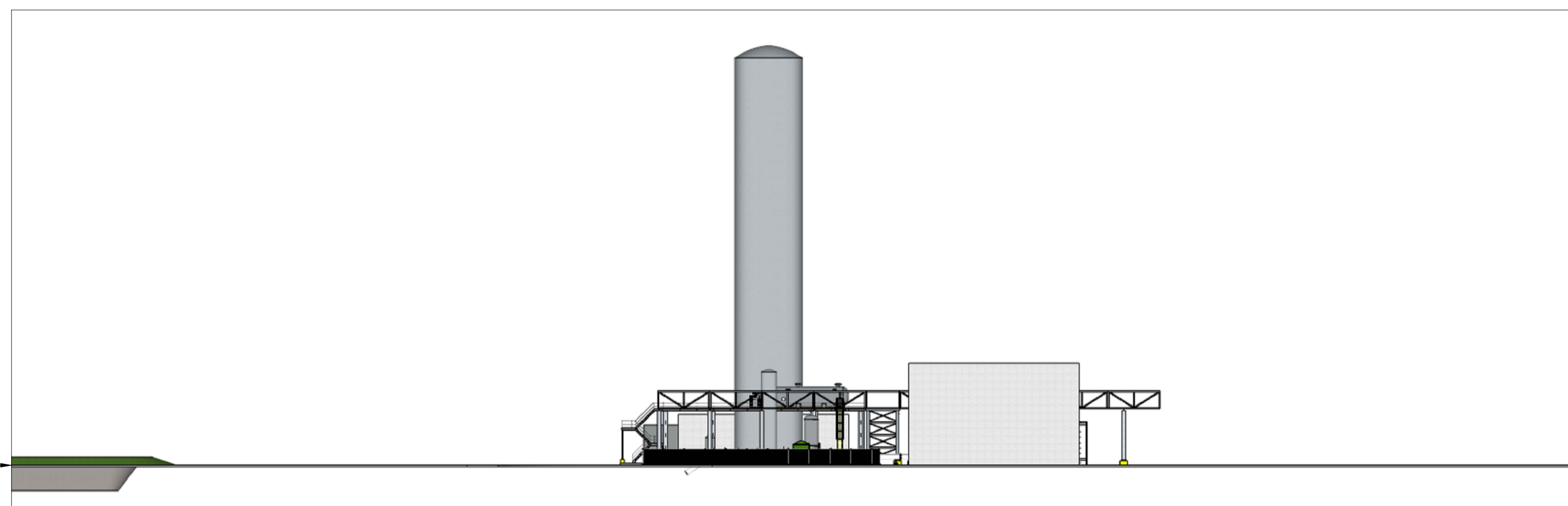
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION

