

Planning and Development (Local Planning Schemes) Regulations 2015
Schedule 2 Deemed provisions for local planning schemes Part 11 Forms referred to in this Scheme cl. 86

The form of an application for development approval referred to in clause 62(1)(a) is as follows —

Application for development approval

Owner details		
Name: Co-operative Bulk Handling Ltd		
ABN (if applicable): 29 256 604 947		
Address: Level 6 No. 240 St Georges Terrace, Perth, WA Postcode: 6000		
Phone: Work: 08 9216 6061 Home: Mobile:	Fax:	Email: timothy.roberts@cbh.com.au
Contact person for correspondence: Timothy Roberts		
Signature: 		Date: 06 August 2026
Signature:		Date:
<i>The signature of the owner(s) is required on all applications. This application will not proceed without that signature. For the purposes of signing this application an owner includes the persons referred to in the Planning and Development (Local Planning Schemes) Regulations 2015 Schedule 2 clause 62(2).</i>		

Applicant details (if different from owner)		
Name: As Above		
Address: Postcode:		
Phone: Work: Home: Mobile:	Fax:	Email:
Contact person for correspondence:		
The information and plans provided with this application may be made available by the local government for public viewing in connection with the application. X Yes ☐ No		
Signature:		Date:

Property details		
Lot N°: 25	House/Street N°:	Location N°:
Diagram or Plan N°: 425195	Certificate of Title Vol. N°: 4055	Folio: 169
Title encumbrances (e.g. easements, restrictive covenants):		

Street name: Irvine Road	Suburb: Dowerin
Nearest street intersection: Goomalling-Wyalkatchem Road	

Proposed development	
Nature of development:	☒ Works ☐ Use ☒ Works and use
Is an exemption from development claimed for part of the development? ☐ Yes ☒ No	
If yes, is the exemption for: ☐ Works ☐ Use	
Description of proposed works and/or land use: 3 x 1.8m high x 205m long x 35m wide with 26,855 tonne capacity open storage bulkheads with associated vehicular access and general drainage (open drains, culverts, drainage basins) to support impervious works.	
Description of exemption claimed (if relevant): NA	
Nature of any existing buildings and/or land use: Grain Handling & Storage Facility	
Approximate cost of proposed development: \$1,200,000.00	
Estimated time of completion: November 2026	

OFFICE USE ONLY

Acceptance Officer's initials: **J Goldacre EHO/RA** Date received: **10/8/2026 by email 0930HRS**

Local government reference N^o: **DA2026/11**



Co-operative Bulk Handling Ltd
ABN 29 256 604 947
Level 6, 240 St Georges Terrace
Perth WA 6000 Australia
GPO Box L886
Perth WA 6842 Australia
Telephone
+61 8 9237 9600
Grower Service Centre
1800 199 083
cbh.com.au

06 August 2026

Manish Barthakur, Chief Executive Officer
Shire of Dowerin
Via email: manisha.barthakur@dowerin.wa.gov.au

Dear Martin,

LOT 25 ON DEPOSITED PLAN 425195 - ADDITIONS TO AN EXISTING GRAIN HANDLING & STORAGE FACILITY.

CBH is seeking development approval from the Shire of Dowerin for three new open storage bulkheads at its existing grain processing facility located at Lot 25 on Deposited Plan 425195, Dowerin.

As you would be aware, CBH received a record harvest in FY25/26 and the existing network at the time was not able to cope with the increased storage demand. To accommodate this storage shortfall CBH added ~1.7 million tonnes of low specification storage to the network. The Shire of Dowerin assisted CBH through this record season by approving a development application for additional storage at its Dowerin facility.

The recent FY25/26 harvest was the largest on record with 24.2 million tonnes received and there was considerable feedback about the growing crop size taking into consideration the innovative practices of growers and accelerated conversion of hectares from sheep to cropping.

As such we are currently in the process of preparing for the FY26/27 harvest and preparing for larger crops sooner than originally contemplated. To address this increased demand, it is proposed to construct three open storage bulkheads (TBH11, THB12 & TBH13) that has a lower specification than permanent bulkhead storage such as a gravel or dirt basecourse serviced with Drive Over Grids (DOGs).

The subject application is proposed in accordance with Clause 68 of Schedule 2 (Deemed Provisions) of the Planning and Development (Local Planning Schemes) Regulations 2015 and the provisions of the Shire of Dowerin Local Planning Scheme No. 2.

The three main items of consideration for an application of this type are traffic generation, stormwater management and noise and dust management.

Noise & Dust Management

CBH shall ensure that noise from the specification and installation of any mechanical equipment as well as traffic and construction noise does not exceed assigned levels prescribed in the *Environmental Protection (Noise) Regulations 1997*, when it is received at a neighbouring property. CBH undertakes frequent noise and dust monitoring across its sites when required to ensure that dust and noise levels are measured and are mitigated whenever there is an exceedance.

Stormwater Management

The CBH stormwater runoff proposal involves directing runoff from the proposed TBH areas into an existing basin located to the south, via a network of pipes and drains. The low specification bulkheads are designed to accommodate runoff from a 5-year ARI event, and the existing onsite basin has been assessed to ensure it has adequate capacity for 5-year ARI event. All stormwater runoff will be retained and managed onsite.

Traffic Management

The distribution of in-loading CBH traffic remains unchanged as the receival task is driven by local production regardless of the outcome of the development. If local production exceeds the capacity of the Dowerin receival site CBH must out-turn grain simultaneously (harvest essential moves) to continue to offer a service to growers, and by doing so, increase the traffic on the surrounding road network during the peak harvest period. The proposal to retain the low specification storage and construct a new open storage bulkhead will enable CBH to reduce the volume of Harvest Essential Moves (HEMs) with the intention of reducing trucks on road during harvest, and instead holding the grain on site to out-turn over the remaining months of the year when the road network is less busy and at sufficient capacity to accommodate these moves.

Conclusion

The proposed construction of the three open storage bulkheads (TBH11, THB12 & TBH13) is aligned with the planning framework and is not considered to result in any new amenity impacts to the surrounding area. CBH respectfully requests the Application for Development Approval is considered by the Shire of Dowerin expeditiously given the straightforward nature of the application, there are no known amenity impacts and its general compliance with the Shire's planning framework.

I look forward to hearing from you and if there is any further information that I can provide to assist with Council's consideration of my application, please do not hesitate to contact me on 08 9216 6061 or timothy.roberts@cbh.com.au

Yours Sincerely,

A handwritten signature in blue ink, appearing to read 'Timothy Roberts', with a stylized flourish at the end.

Timothy Roberts

Lead – Planning & Approvals



EXISTING SAMPLE PLATFORM

EXISTING WEIGHBRIDGE

TOTAL SITE STORAGE 580,405 t

AREA OF NEW WORKS 35,300m²

NEW TEMPORARY ENTRY/EXIT ROADS, DRAINAGE & WEIGHBRIDGE (BLUE STRINGS) AREA IS UNDER CONSTRUCTION

NEW RAIL FACILITY ROADS, DRAINAGE & EQUIPMENT (MAGENTA STRINGS) AREA IS UNDER CONSTRUCTION

500tph D.O.G. STACKER (NUMBER OF STACKERS INDICATIVE)

PEAK PLANNING DRAINAGE TO TIE INTO RAIL PROJECT DRAINAGE

RAIL FACILITY BASIN TO BE CONSTRUCTED. MAY REQUIRE ENLARGEMENT TO SUIT NEW TEMP. PEAK PLANNING OPEN BULKHEADS.

EXISTING DRAINAGE BASIN TO BE FILLED IN

PROPOSED CULVERTS (TBC IN DESIGN)

TIE INTO NEW DESIGN LEVELS

EXISTING DRAINAGE BASIN

TO BE FILLED REVERSE TRAFFIC FLOW

EXTEND CULVERT

EXISTING OPEN BULKHEAD - OBH 05

EXISTING OPEN BULKHEAD - OBH 02

EXISTING OPEN BULKHEAD - OBH 04

EXISTING OPEN BULKHEAD - OBH 01

EXISTING OPEN BULKHEAD - OBH 03

EXISTING OPEN BULKHEAD - TBH 98

EXISTING OPEN BULKHEAD - TBH 99

EXISTING OPEN BULKHEAD - TBH 94

EXISTING OPEN BULKHEAD - TBH 09

EXISTING OPEN BULKHEAD - TBH 10

EXISTING OPEN BULKHEAD - OBH 06

EXISTING OPEN BULKHEAD - OBH 07

EXISTING OPEN BULKHEAD - OBH 08

EXISTING OPEN BULKHEAD - TBH 95

EXISTING OPEN BULKHEAD - TBH 96

EXISTING DRAINAGE BASIN.

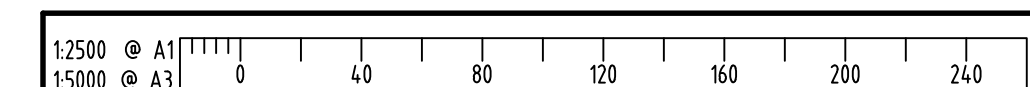
(TBH 11) 1.8m STEEL FRAMED OBH 205m x 35m (26,855t)

(TBH 12) 1.8m STEEL FRAMED OBH 205m x 35m (26,855t)

(TBH 13) 1.8m STEEL FRAMED OBH 205m x 35m (26,855t)

NOTE:
TRAFFIC TO NEW PEAK PLANNING OBHS TO BE REVERSED WHEN FILLING SOUTHWEST END. TRAFFIC TO BE MANAGED ONSITE.

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FILLING SOUTHWEST END. TRAFFIC TO BE MANAGED ONSITE.



CBH GROUP
ABN 29 256 604 947

CBH GROUP
LEVEL 6
240 ST GEORGE'S TERRACE
PERTH W.A. 6000
PH (08) 9237 9600
FAX (08) 9322 3942

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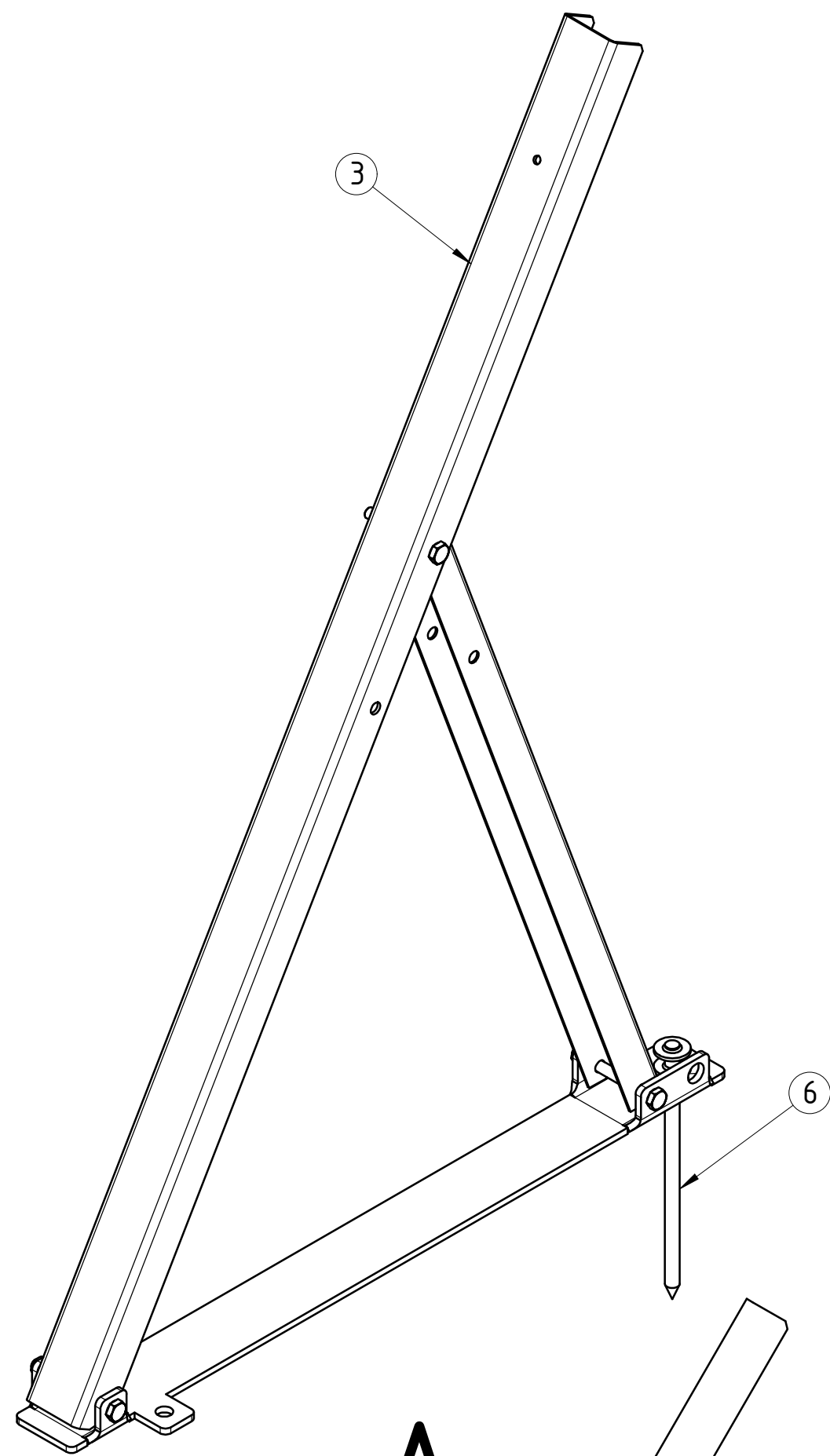
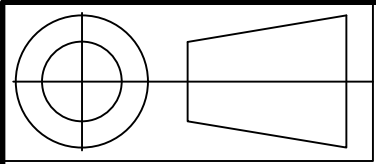


- | PARTS LIST (PER UNIT) | | | | | | | | | |
|-----------------------|--|-------|--------|------------|-------------------------|-------------|----------|---------|-----------|
| ITEM No | DESCRIPTION | WIDTH | LENGTH | QTY | CBH OR SUPPLIER PART No | PROCESS | SAP Code | MASS Kg | TO DETAIL |
| 1 | FRONT END LOADER ACCESS GATE | | | REFER NOTE | S119-ENG-ST-ASY-0034 | FIELD FIT | N/A | 184.4 | Yes |
| 2 | PERSONNEL ACCESS DOOR | | | REFER NOTE | S119-ENG-ST-ASY-0017 | FITTING | N/A | 17.1 | Yes |
| 3 | STRAIGHT PIN STRUT ASSEMBLY | | | REFER NOTE | S119-ENG-ST-ASY-0004 | FITTING | N/A | 36.4 | Yes |
| 4 | SPIRAL PIN STRUT ASSEMBLY | | | REFER NOTE | S119-ENG-ST-ASY-0005 | FITTING | N/A | 36.2 | Yes |
| 5 | CUSTOM ORB ZINC ALUME 0.42mm BMT 550 MPa MIN. (YIELD) | 762 | 3200 | REFER NOTE | S119-ENG-ST-PRT-0010 | FITTING | DREQ | 1.3 | No |
| 6 | DIA 20 STRAIGHT PIN ANCHOR | | 420 | REFER NOTE | S-014-A0000 | FIELD KIT | DREQ | 1.1 | Yes |
| 7 | SPIRAL PIN ANCHOR | | 300 | REFER NOTE | S119-ENG-ST-DER-0052 | FITTING | DREQ | 0.8 | Yes |
| 8 | Z CAPPING 1.6PL PGI | 300 | 3000 | REFER NOTE | S119-ENG-ST-PRT-0011 | FAB SHEET | 108015 | 11.4 | Yes |
| 9 | TIMBER SAWN KARRI STRUC3 75mmx50mmx3m | 75 | 3000 | REFER NOTE | S119-ENG-ST-PRT-0014 | FITTING | 108594 | 6.2 | No |
| 10 | TARP CLAMP 6PL | 130 | 257 | REFER NOTE | S119-ENG-ST-PRT-0012 | FAB PROFILE | 107901 | 1.6 | Yes |
| 11 | FUMIGATION TEE PIECE | | | REFER NOTE | S119-ENG-ME-DER-0001 | FITTING | N/A | | Yes |
| 12 | RUBBER STRIP 450mm WIDE, 8mm THICK | 450 | 2050 | REFER NOTE | S119-ENG-ST-PRT-0048 | FIELD KIT | DREQ | 6.9 | No |
| 13 | M10 x 120 GALV BOLT GR8.8 (50mm THREAD Min.) | | | REFER NOTE | | FIELD KIT | DREQ | 0.1 | No |
| 14 | M10 GALV. NUT | | | REFER NOTE | | FIELD KIT | DREQ | 0.0 | No |
| 15 | M10 GALV FW | | | REFER NOTE | | FIELD KIT | DREQ | 0.0 | No |
| 16 | METAL TEK SCREW, HEX HEAD, 14g-20x22mm, CLASS 4, WITH SEAL | | | REFER NOTE | | FIELD KIT | DREQ | 0.0 | No |
| 17 | METAL TEK SCREW, HEX HEAD, 14g-20x45mm, CLASS 4, WITH SEAL | | | REFER NOTE | | FIELD KIT | DREQ | | No |
| 18 | NOVALAST LTM 151 | | | REFER NOTE | | FIELD KIT | DREQ | | No |
| 19 | BOSTIK SEAL AND FLEX 1 | | | REFER NOTE | | FIELD KIT | DREQ | | No |

REFER PROJECT SPECIFIC SITE LAYOUT DRAWING FOR TOTAL OBH LENGTH, MEASURED FROM OUTER PIN TO OUTER PIN $\pm 50\text{mm}$

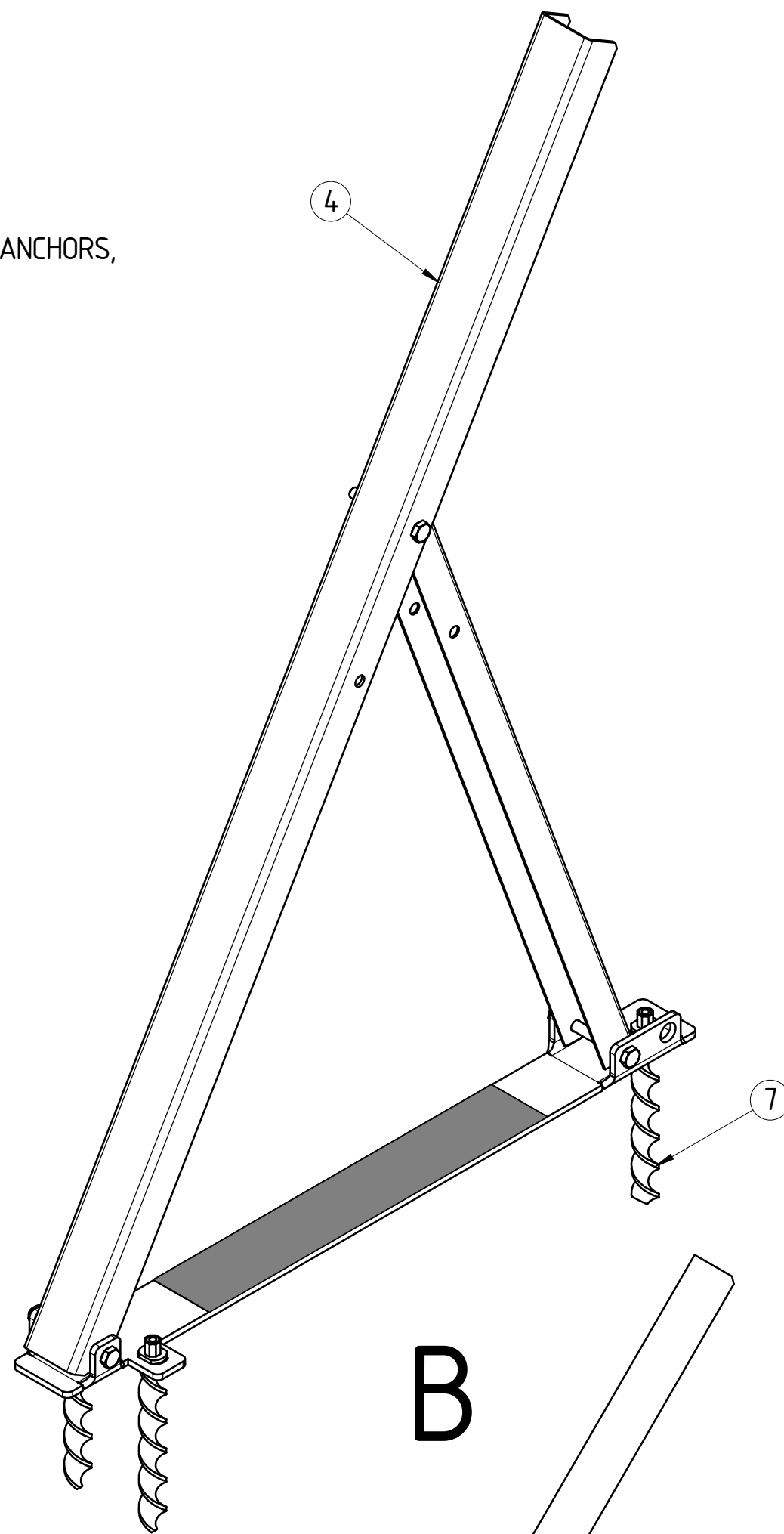


SITE VARIOUS		SIZE A1
PROJECT STANDARD		
DRAWING No S119-ENG-ST-DGA-0003	SHEET 1 OF 9	REV. 0

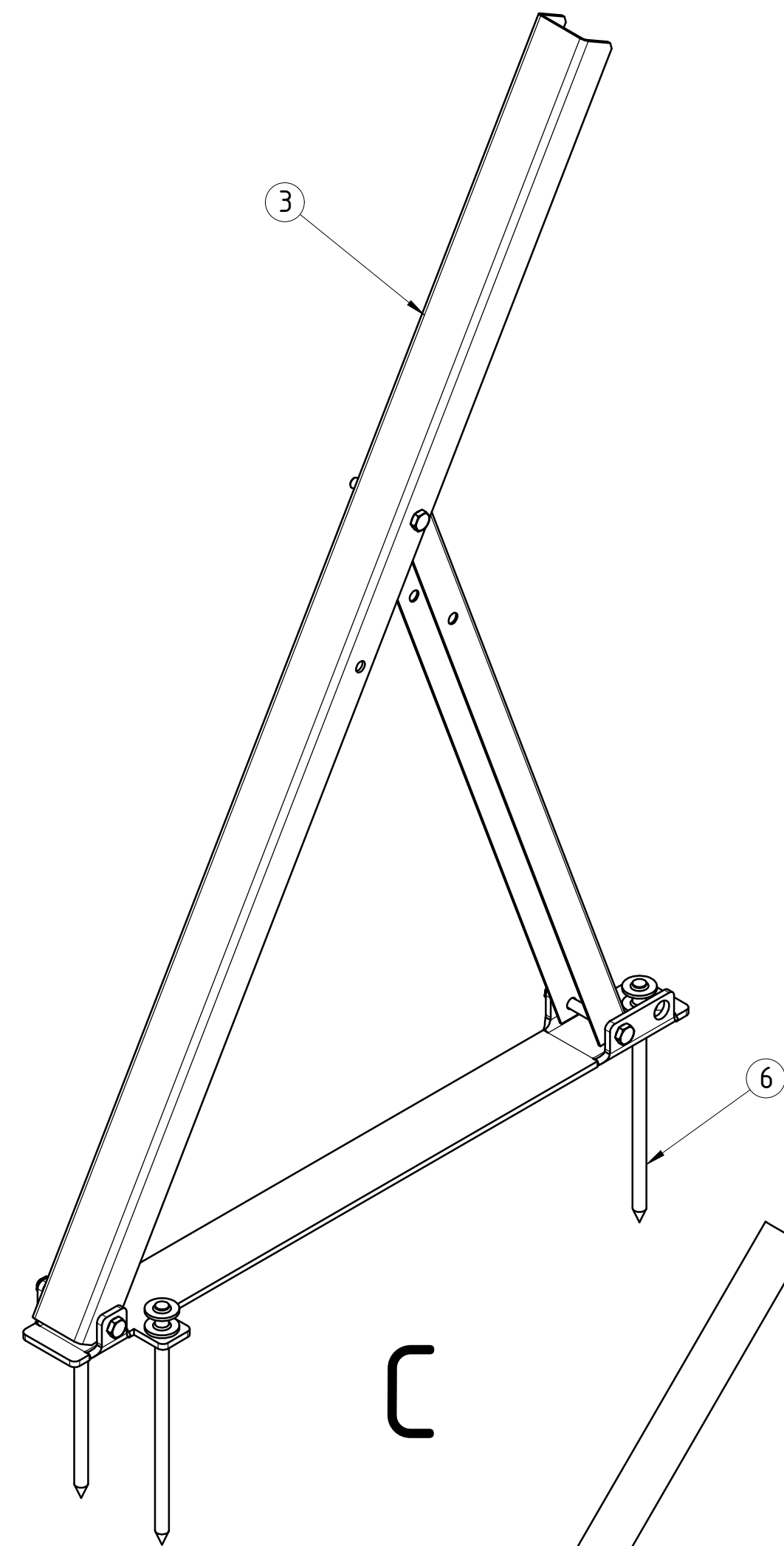


A

NOTES:
REMOVAL TOOL REQUIRED FOR SPIRAFIX ANCHORS,
M22 SPANNER/SOCKET,
HANDLE LENGTH TO SUIT CONDITIONS.



B



C

ARRANGEMENT 'A' NOTES:

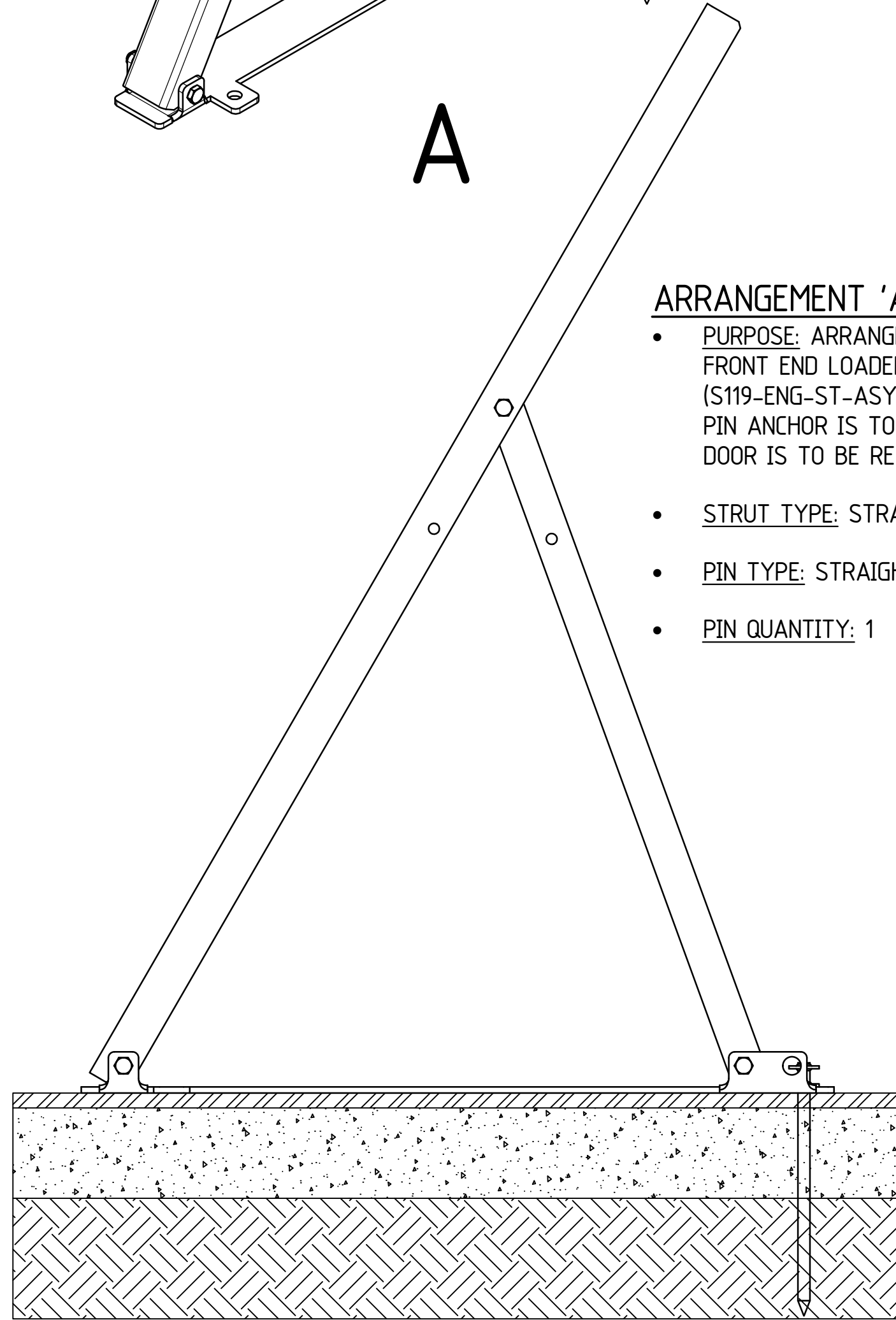
- PURPOSE:** ARRANGEMENT 'A' IS USED IN THE FRONT END LOADER ACCESS GATE ASSEMBLY (S119-ENG-ST-ASY-0034). ONLY 1 STRAIGHT PIN ANCHOR IS TO BE INSTALLED AS THE DOOR IS TO BE REMOVABLE.
- STRUT TYPE:** STRAIGHT PIN STRUT
- PIN TYPE:** STRAIGHT PIN ANCHOR
- PIN QUANTITY:** 1

ARRANGEMENT 'B' NOTES:

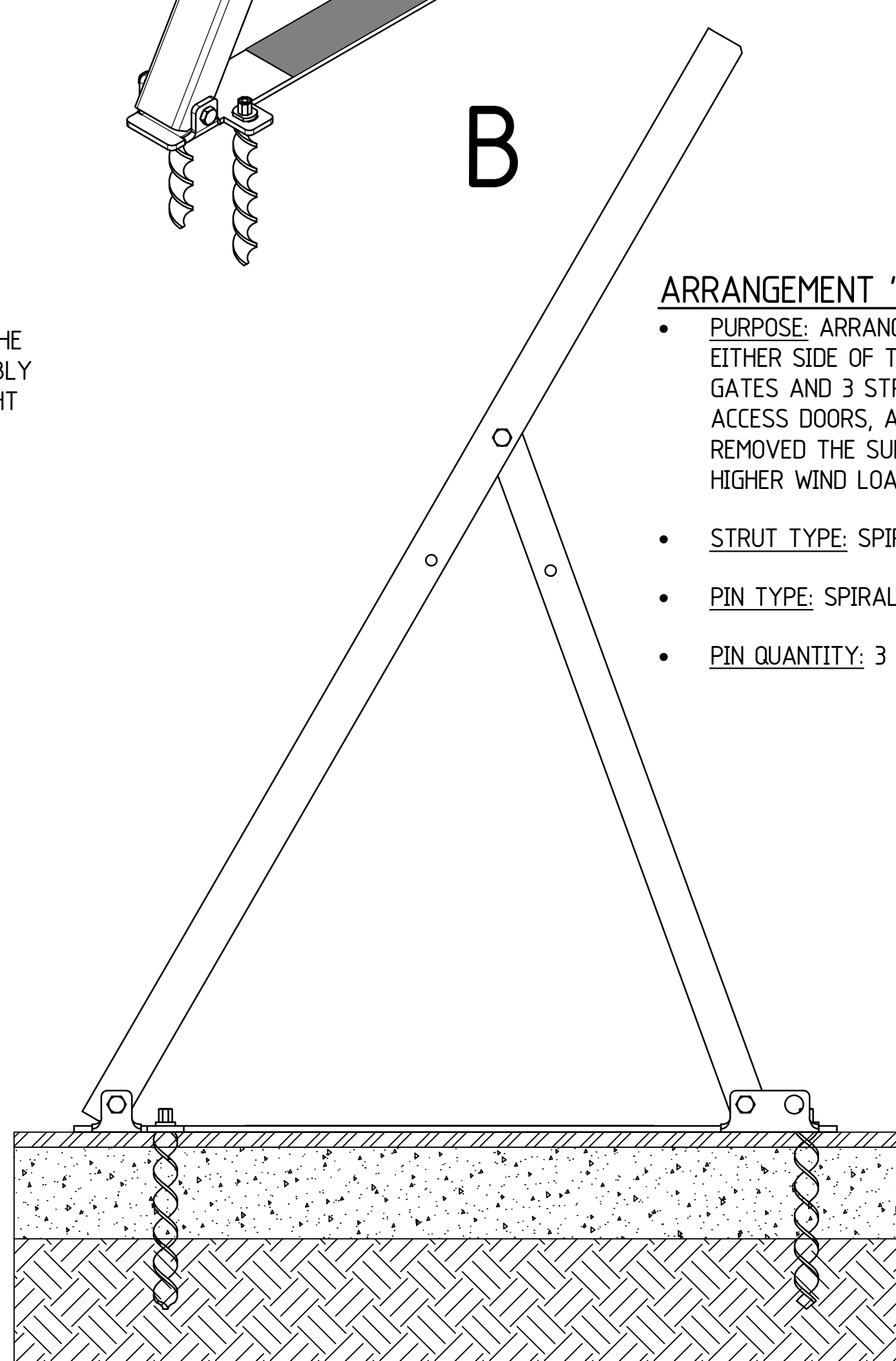
- PURPOSE:** ARRANGEMENT 'B' IS USED 4 STRUTS EITHER SIDE OF THE FRONT END LOADER ACCESS GATES AND 3 STRUTS EITHER SIDE OF PERSONNEL ACCESS DOORS, AS WHEN THE GATES/DOORS ARE REMOVED THE SURROUNDING STRUTS EXPERIENCE HIGHER WIND LOADS.
- STRUT TYPE:** SPIRAL PIN STRUT
- PIN TYPE:** SPIRAL PIN ANCHOR
- PIN QUANTITY:** 3

ARRANGEMENT 'C' NOTES:

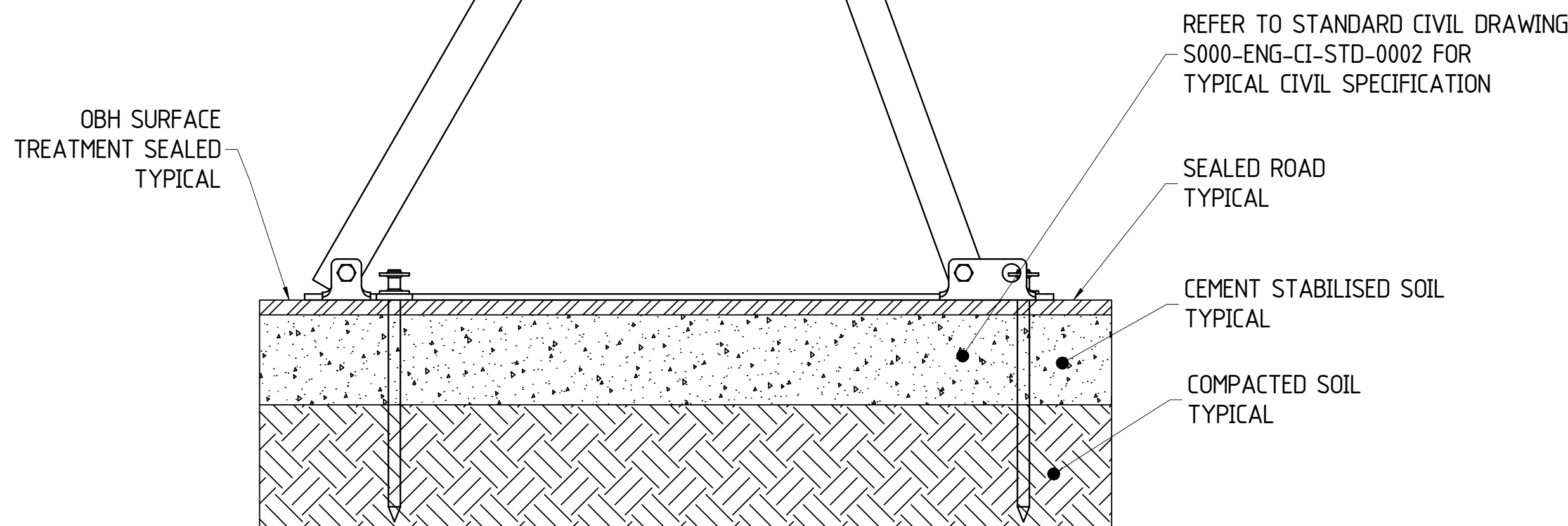
- PURPOSE:** ARRANGEMENT 'C' IS USED IN ALL LOCATIONS, OTHER THAN WHERE ARRANGEMENT 'A' AND 'B' ARE USED
- STRUT TYPE:** STRAIGHT PIN STRUT
- PIN TYPE:** STRAIGHT PIN ANCHOR
- PIN QUANTITY:** 3



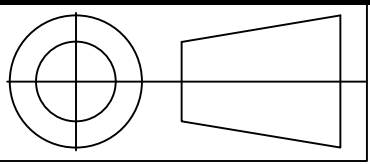
A



B

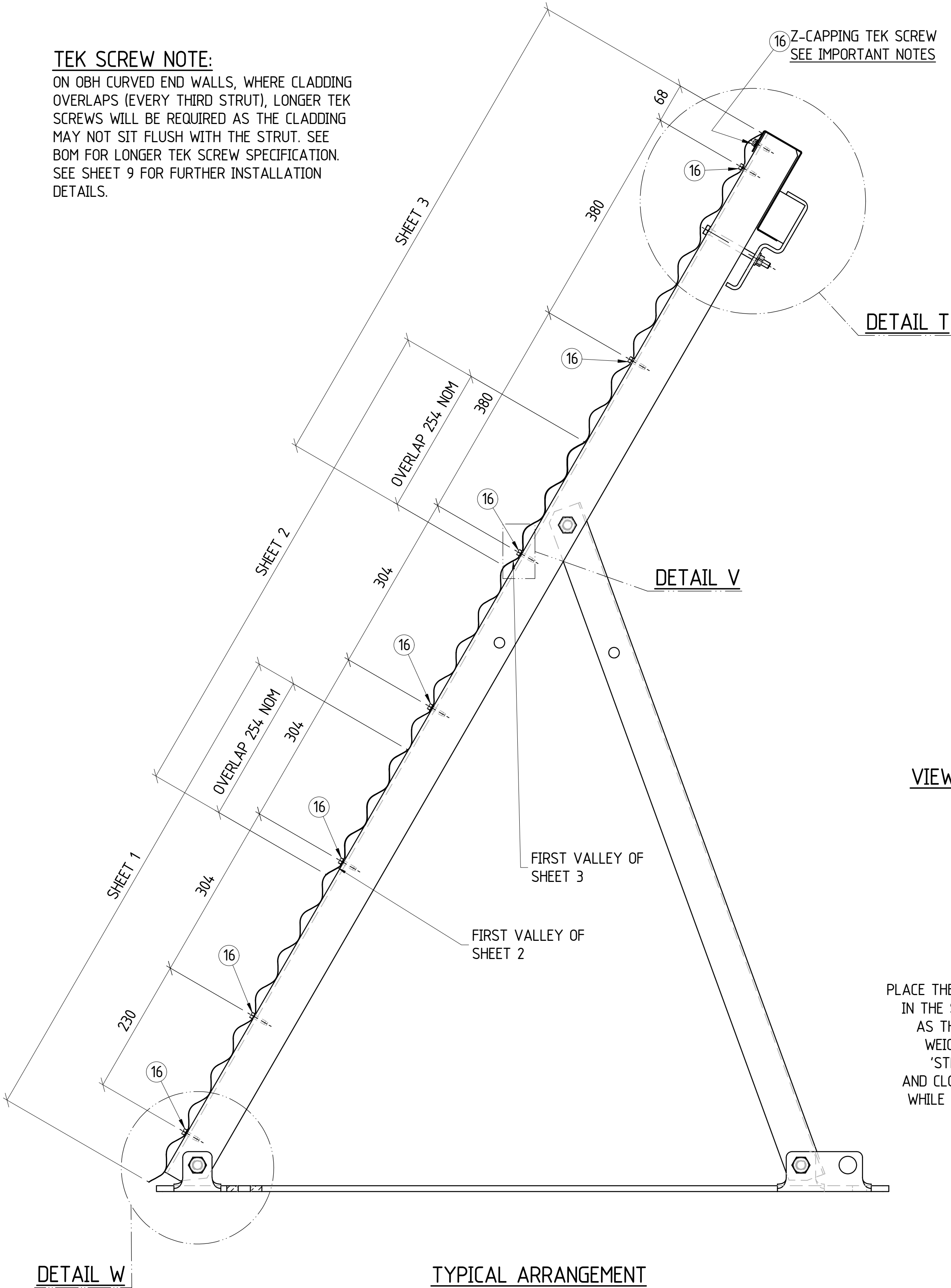


C

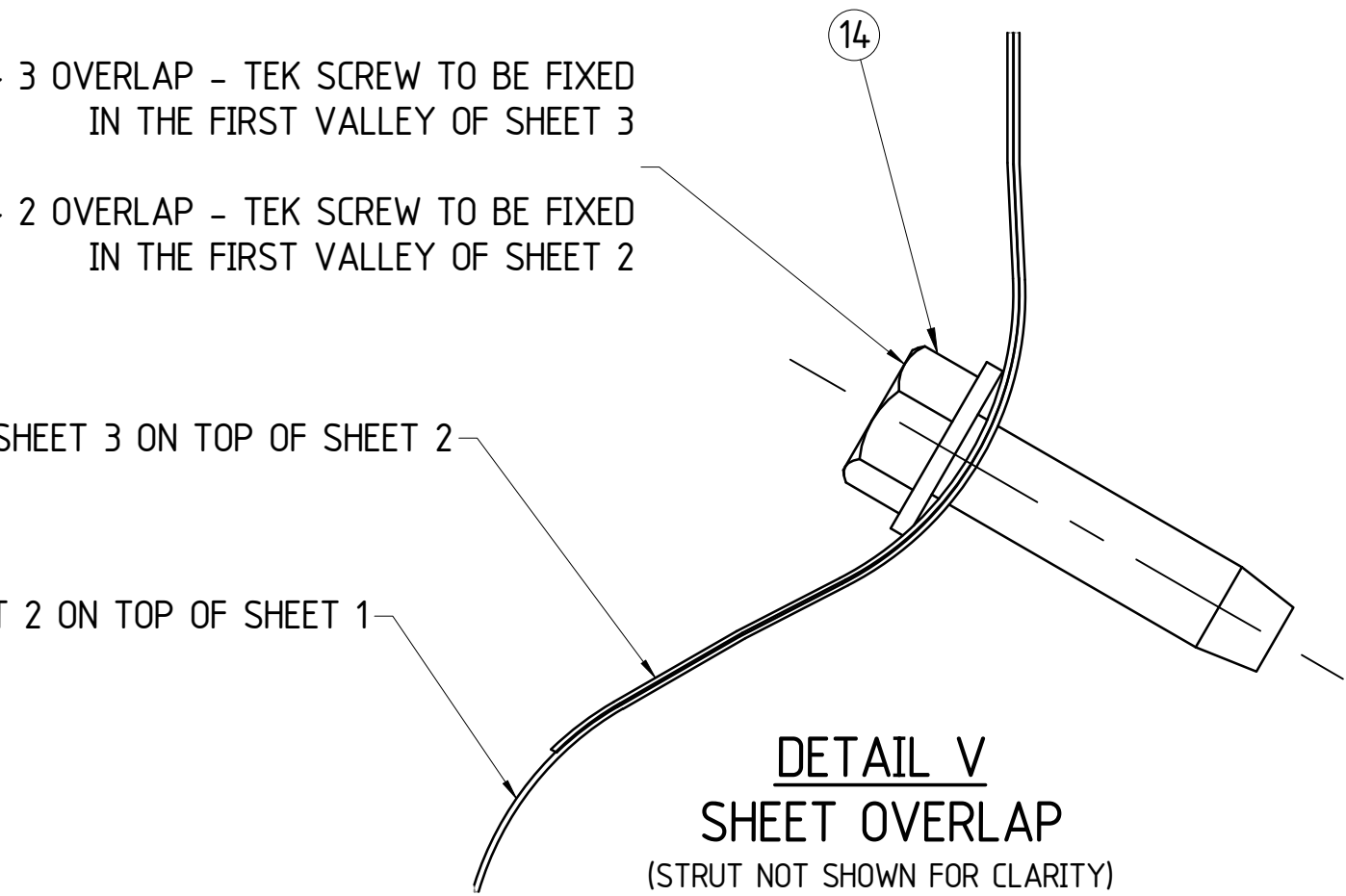
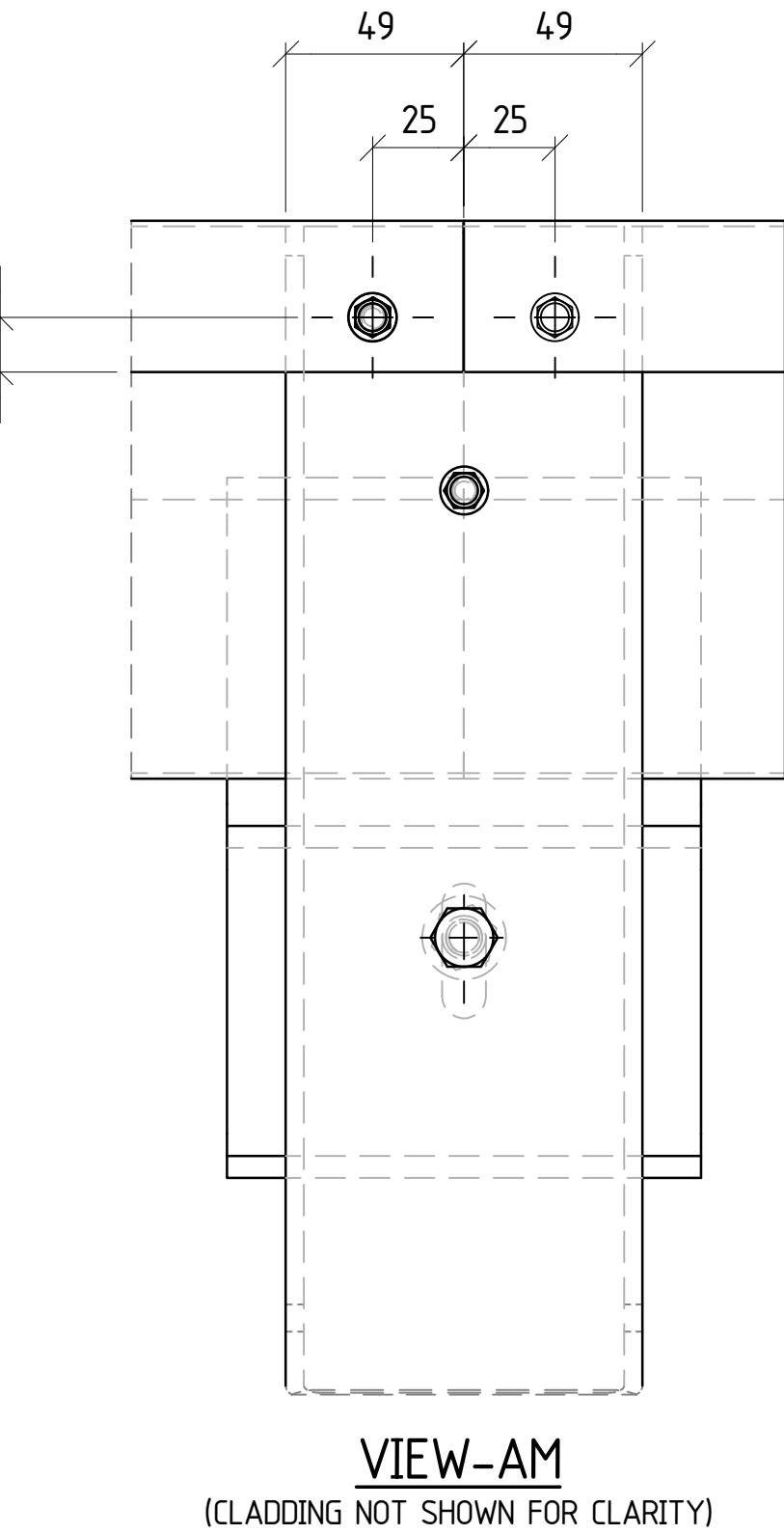
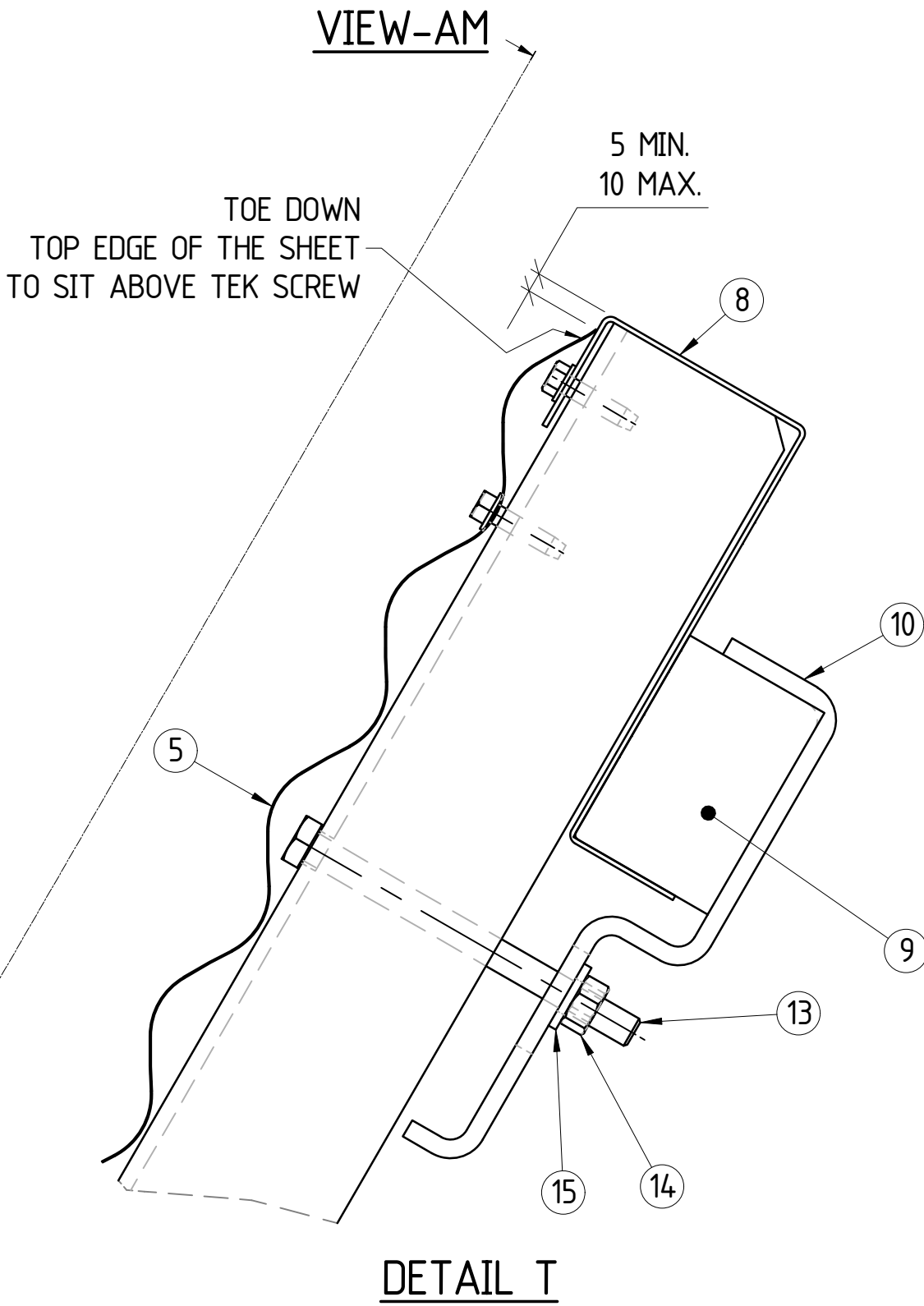
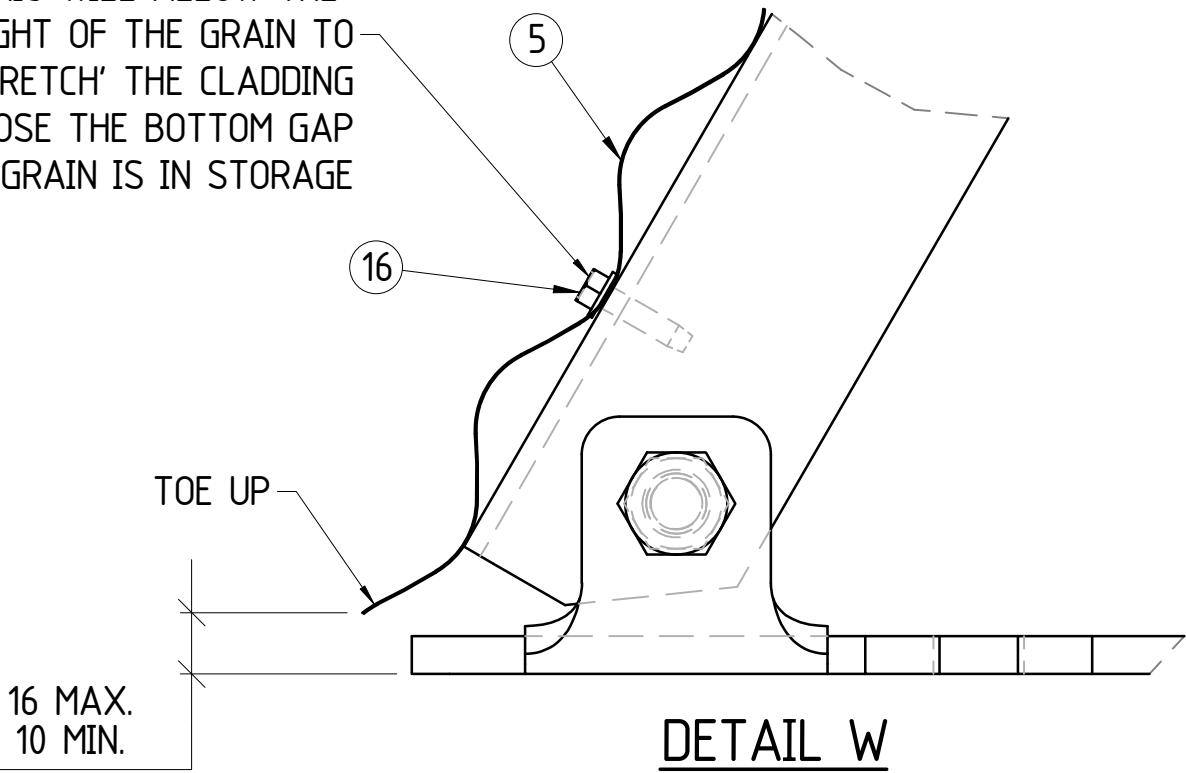


TEK SCREW NOTE:

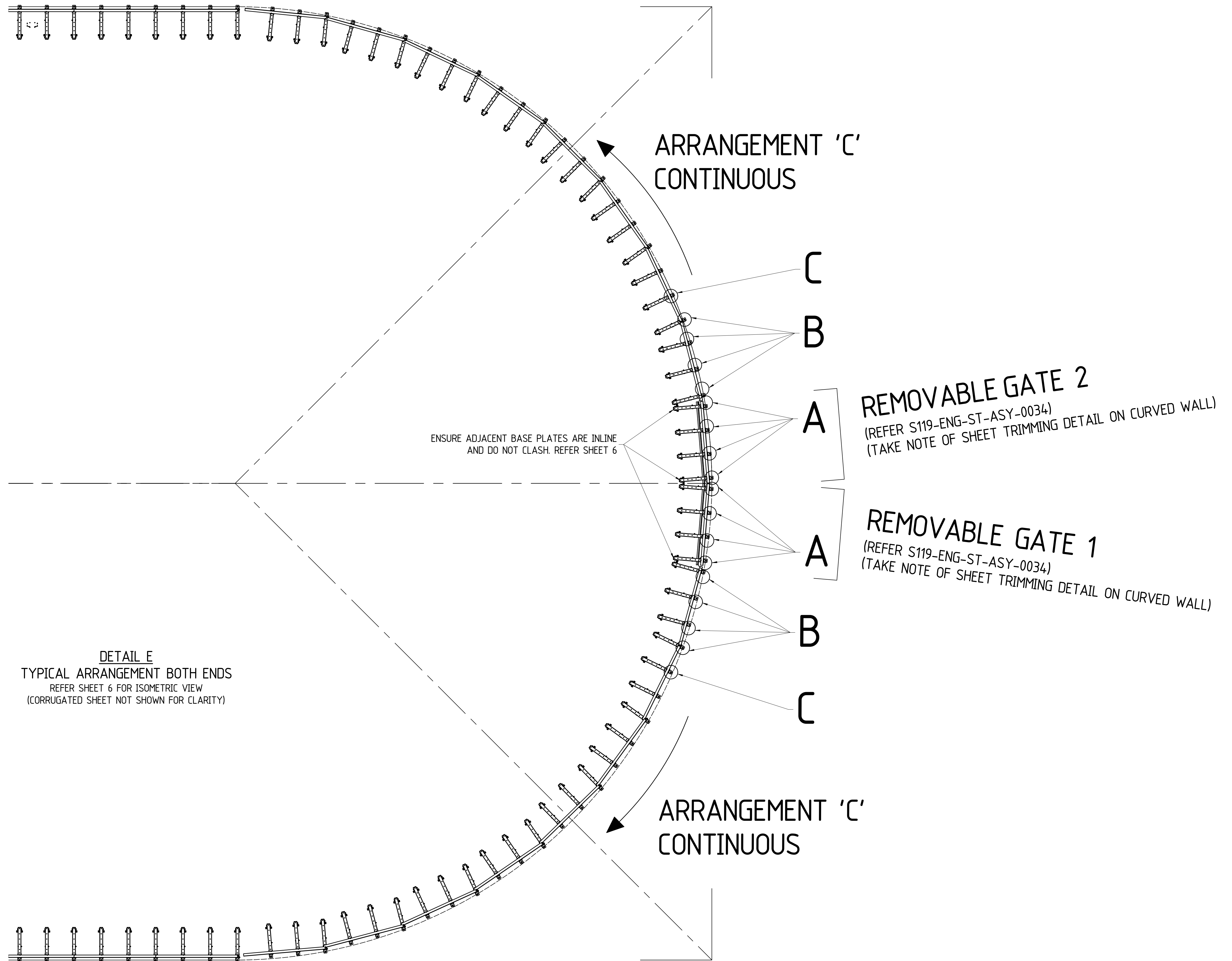
ON OBH CURVED END WALLS, WHERE CLADDING OVERLAPS (EVERY THIRD STRUT), LONGER TEK SCREWS WILL BE REQUIRED AS THE CLADDING MAY NOT SIT FLUSH WITH THE STRUT. SEE BOM FOR LONGER TEK SCREW SPECIFICATION. SEE SHEET 9 FOR FURTHER INSTALLATION DETAILS.



PLACE THE BOTTOM TEK SCREW IN THE SECOND CORRUGATION AS THIS WILL ALLOW THE WEIGHT OF THE GRAIN TO 'STRETCH' THE CLADDING AND CLOSE THE BOTTOM GAP WHILE GRAIN IS IN STORAGE



- IMPORTANT NOTE:**
TYPICAL ALL JOINTS, EXCEPT DOOR/GATE JOINS:
- 'Z' CAPPING SHALL BUTT JOIN TO THE CENTRE LINE OF THE STRUT.
 - ALL Z CAPPING MUST BE ALIGNED AS ACCURATELY AS POSSIBLE. ANY MIS-ALIGNMENT IN THE 'Z' CAPPING WILL CREATE SHARP EDGES, WHICH MAY DAMAGE THE OBH TARP. MAXIMUM 'Z' CAPPING MISALIGNMENT TO BE 2mm IN ALL DIRECTIONS.
 - WHERE 'Z' CAPPING BUTT JOINS OVER A STRUT, FIX 'Z' CAP WITH 2 x TEK SCREWS, ONE IN EACH 'Z' CAP (SHOWN BELOW)
 - WHERE 'Z' CAPPING PASSES OVER A STRUT, FIX 'Z' CAP WITH 1 x TEK SCREW, INLINE WITH THE CENTRE OF THE STRUT.



DO NOT SCALE FROM THIS DRAWING

REF DRG No.	REFERENCE DRAWING TITLE

REV	DATE	REVISIONS

				0	10/06/202
	BY	CHK	APP	REV	DATE

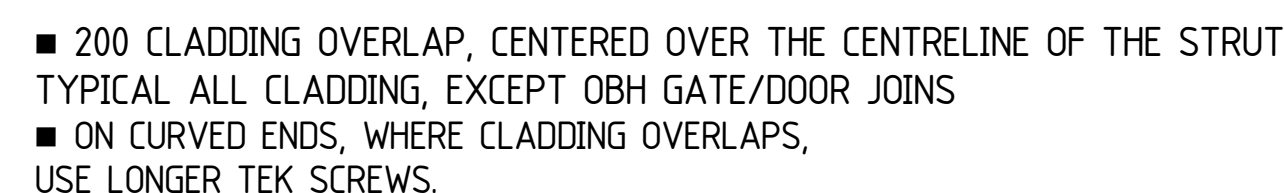
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	REVISIONS

					DRAWN	SCR 10/06/2020
					CHECKED	LS 10/06/2020
					ENGINEER	BC 11/06/2020
	SCR	LS	NH			
	BY	CHK	APP		APPROVED	NH 11/06/2020

SITE	VARIOUS
PROJECT	STANDARD

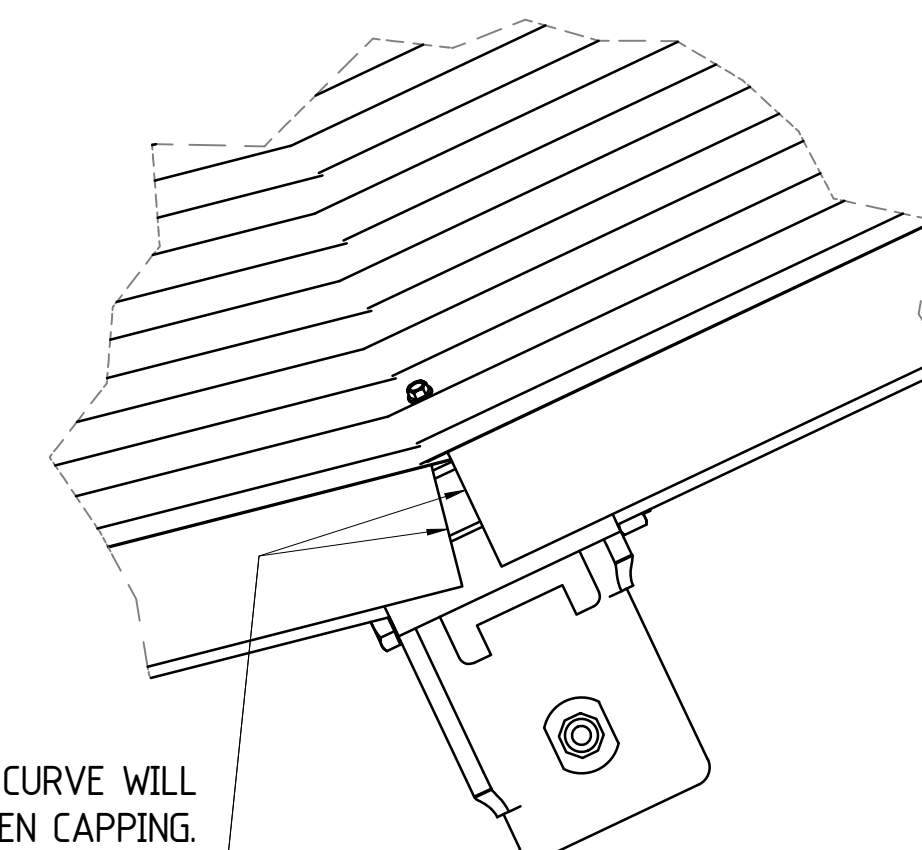
DRAWING No S119-ENG-ST-DGA-0003	SHEET 5 OF 9	REV. 0
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SIZE
A1



- ATTACH CONVEYOR BELT OVER JOINTS (SEE BOM FOR BELT DETAILS)
- FIX RUBBER USING 45MM LONG TEK SCREWS,
USING 7 TEK SCREWS PER RUBBER STRIP

- 200 CLADDING OVERLAP, CENTERED OVER THE CENTRELINE OF THE STRUT
- TYPICAL ALL CLADDING, EXCEPT OBH GATE/DOOR JOINS
- ON CURVED ENDS, WHERE CLADDING OVERLAPS,
USE LONGER TEK SCREWS.



DETAIL AC

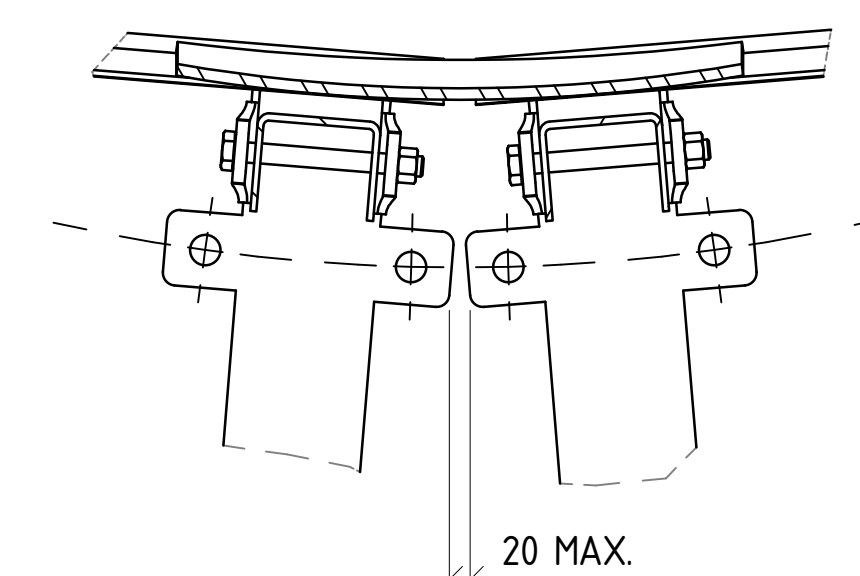
FITTING THE Z-CAPPING TO A CURVE WILL
CREATE A GAP BETWEEN CAPPING.
MINIMISE GAP AS MUCH AS POSSIBLE TO AVOID THE
SHARP EDGES RIPPING THE OBH TARP.
VERTICAL AND HORIZONTAL MISALIGNMENT
SHOULD BE A MAXIMUM OF 2MM

CLADDING, Z-CAPPING AND WOOD, ALL TRIMMED
TO SUIT ON BOTH SIDES TO CREATE A BUTT JOINT
BETWEEN THE FIXED WALL AND THE REMOVABLE GATE.
REFER S119-ENG-ST-ASY-0003 FOR CLADDING TRIMMING DETAIL.
MAX ALLOWABLE GAP BETWEEN BUTT
JOINTS IS 20mm - TYPICAL ALL GATES

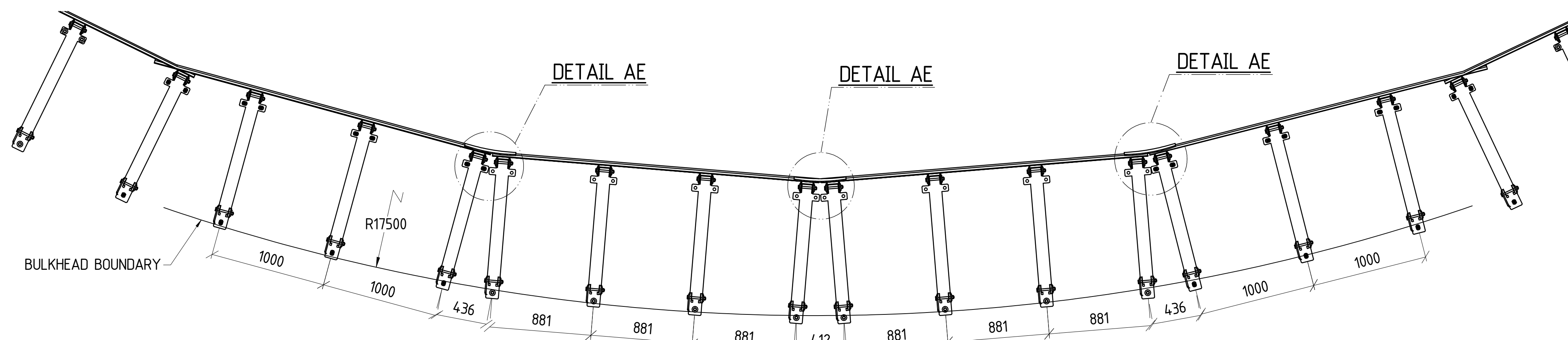
DETAIL A
FRONT END LOADER ACCESS GATES IN CURVED WALL
TYPICAL BOTH ENDS

CLADDING, Z-CAPPING AND WOOD, ALL TRIMMED
TO SUIT ON BOTH SIDES TO CREATE A BUTT JOIN
BETWEEN THE FIXED WALL AND THE REMOVABLE GATE.
REFER S119-ENG-ST-ASY-0003 FOR CLADDING TRIMMING DETAIL.
MAX ALLOWABLE GAP BETWEEN BUTT
JOINTS IS 20mm - TYPICAL ALL GATES

20 MAX. GAP
TYPICAL ALL ACCESS WAYS



ELEVATION



SECTION B
FRAMES FOOT PRINT



CBH GROUP HEAD OFFICE
LEVEL 6, 240 ST GEORGES TERRACE,
PERTH W.A 6000
PH (08) 9237 9600 FAX (08) 9322 3942

DO NOT SCALE FROM THIS DRAWING

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CHECKED	LS 10/06/202
ENGINEER	BC 11/06/202
APPROVED	NH 11/06/202

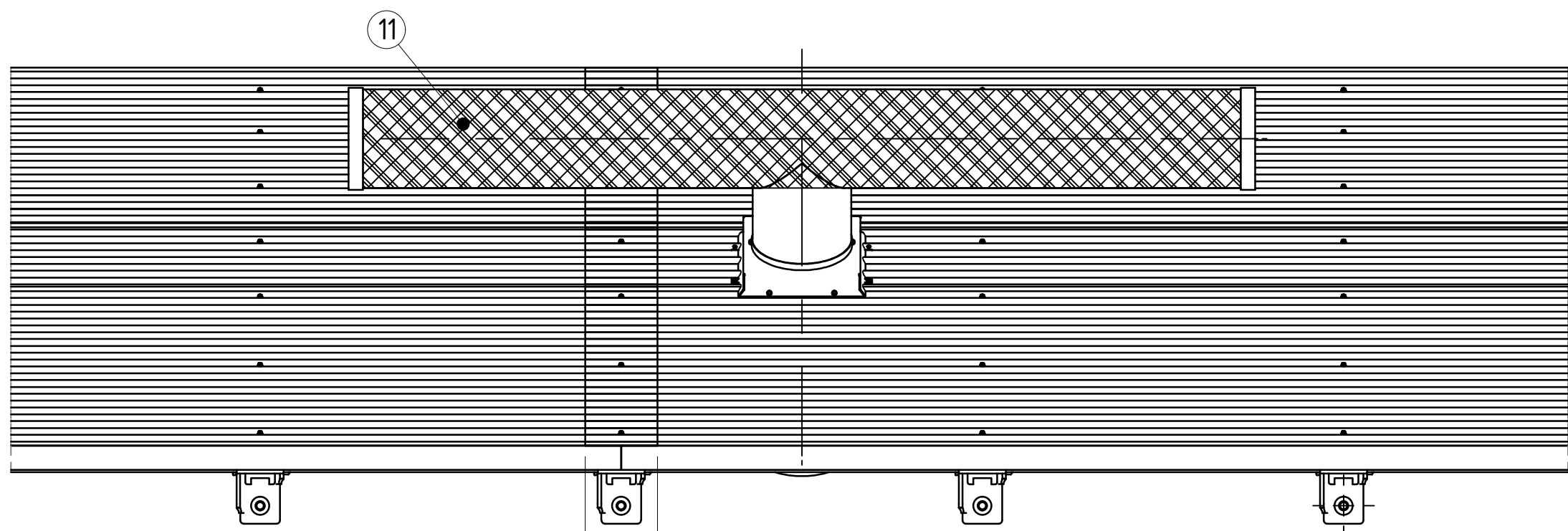
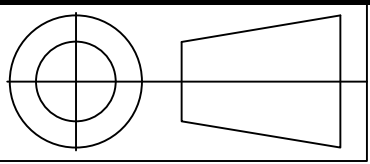
DRAWING TITLE
1.8m OPEN BULK HEAD
GENERAL ARRANGEMENT
CURVED OBH OPENING DETAIL

SITE
VARIOUS

PROJECT STANDARD

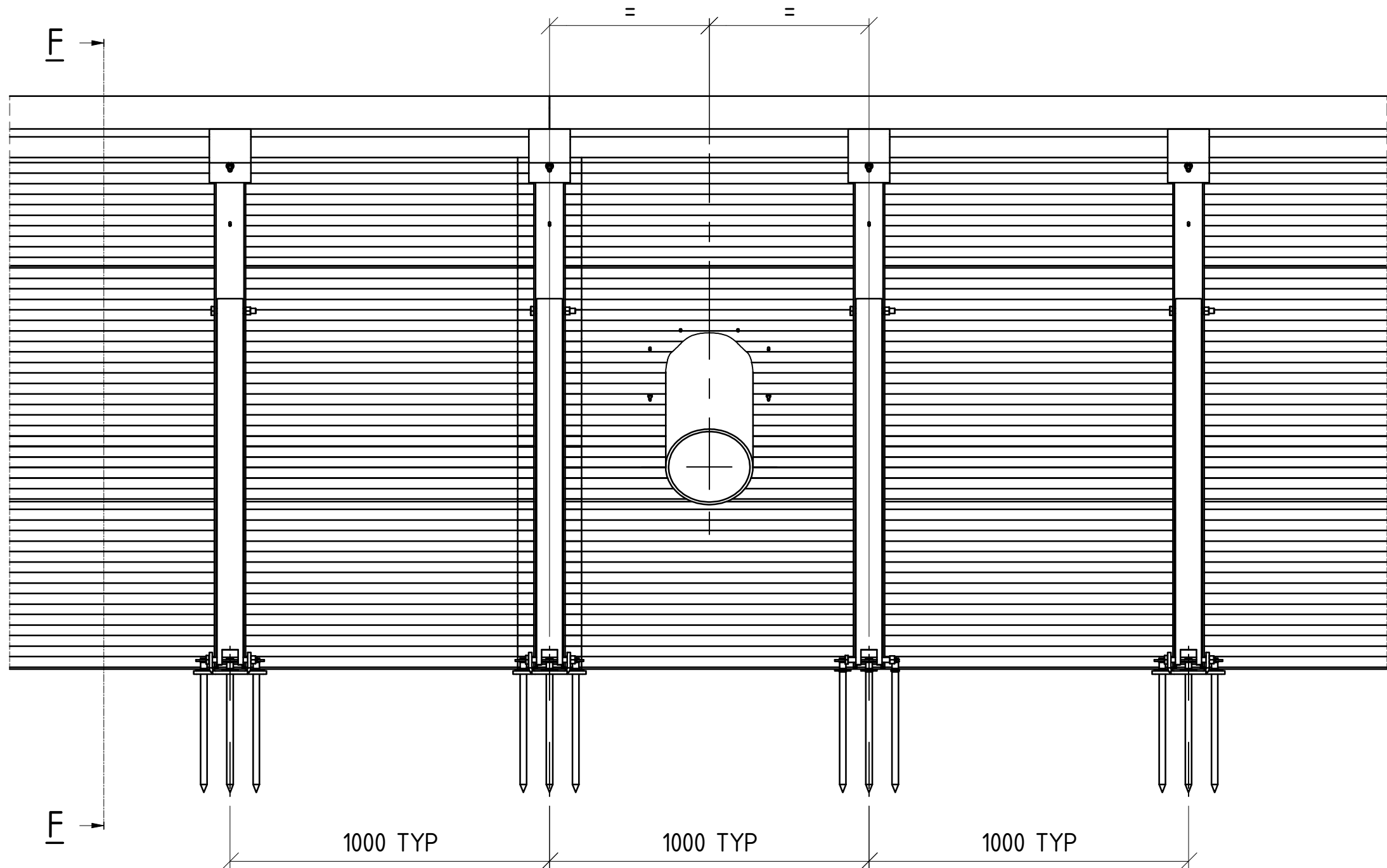
DRAWING No	SHEET	REV
S119-ENG-ST-DGA-0003	6 OF 9	0

SIZE	A
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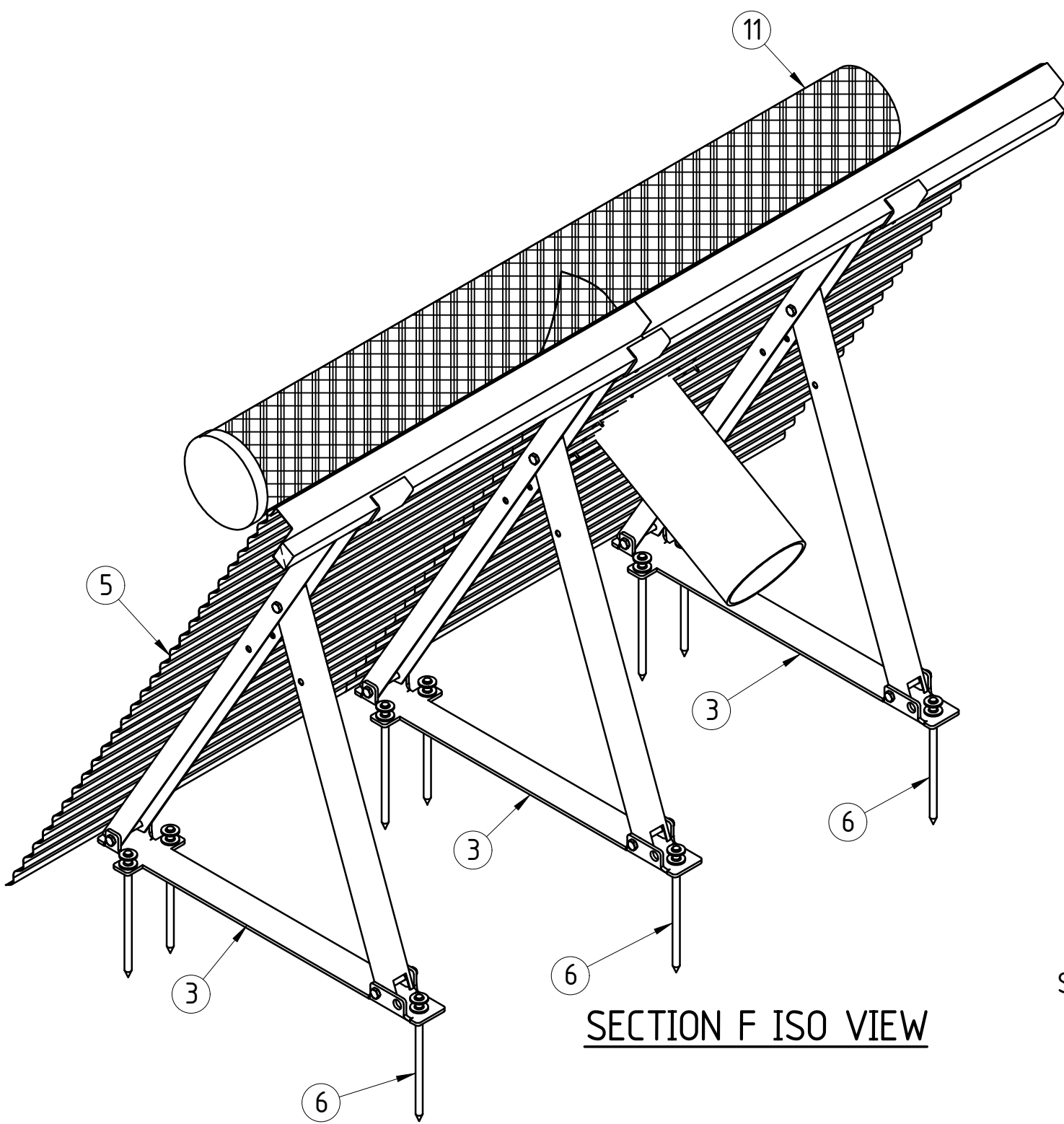


200 CLADDING OVERLAP, CENTERED OVER THE CENTRELINE OF THE STRUT
TYPICAL ALL CLADDING, EXCEPT OBH GATE/DOOR JOINS

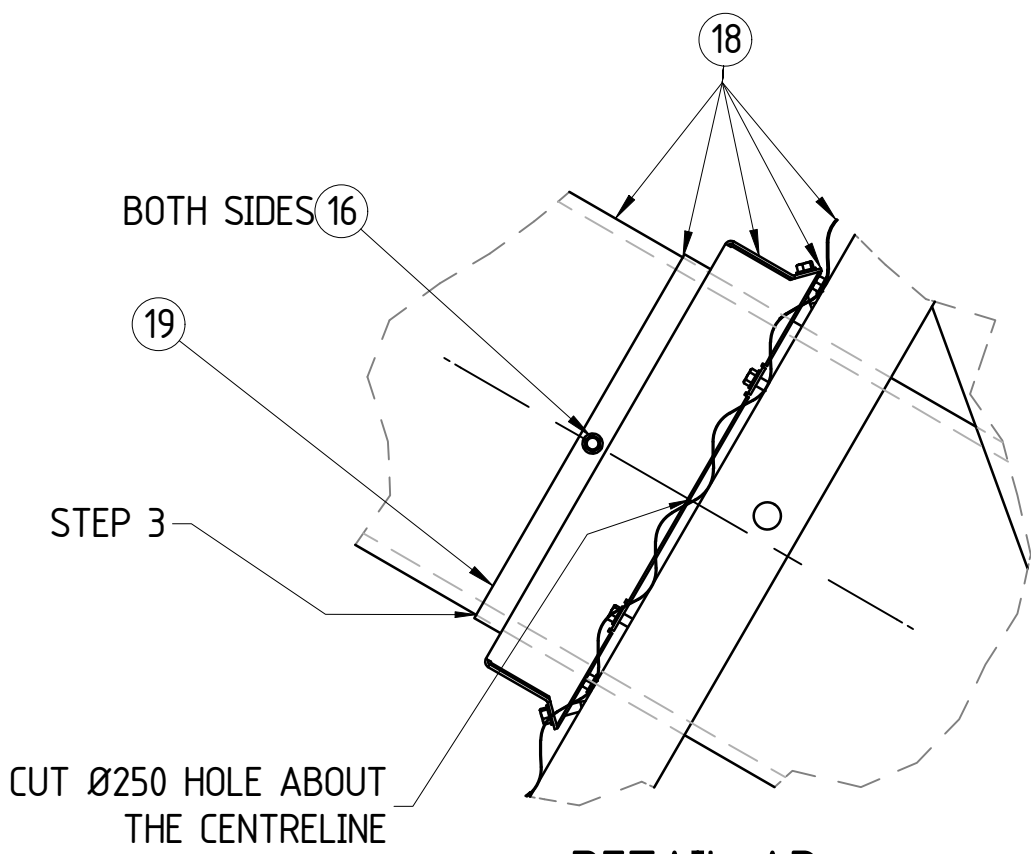
DETAIL B
'T' PIECE INSTALLATION DETAIL



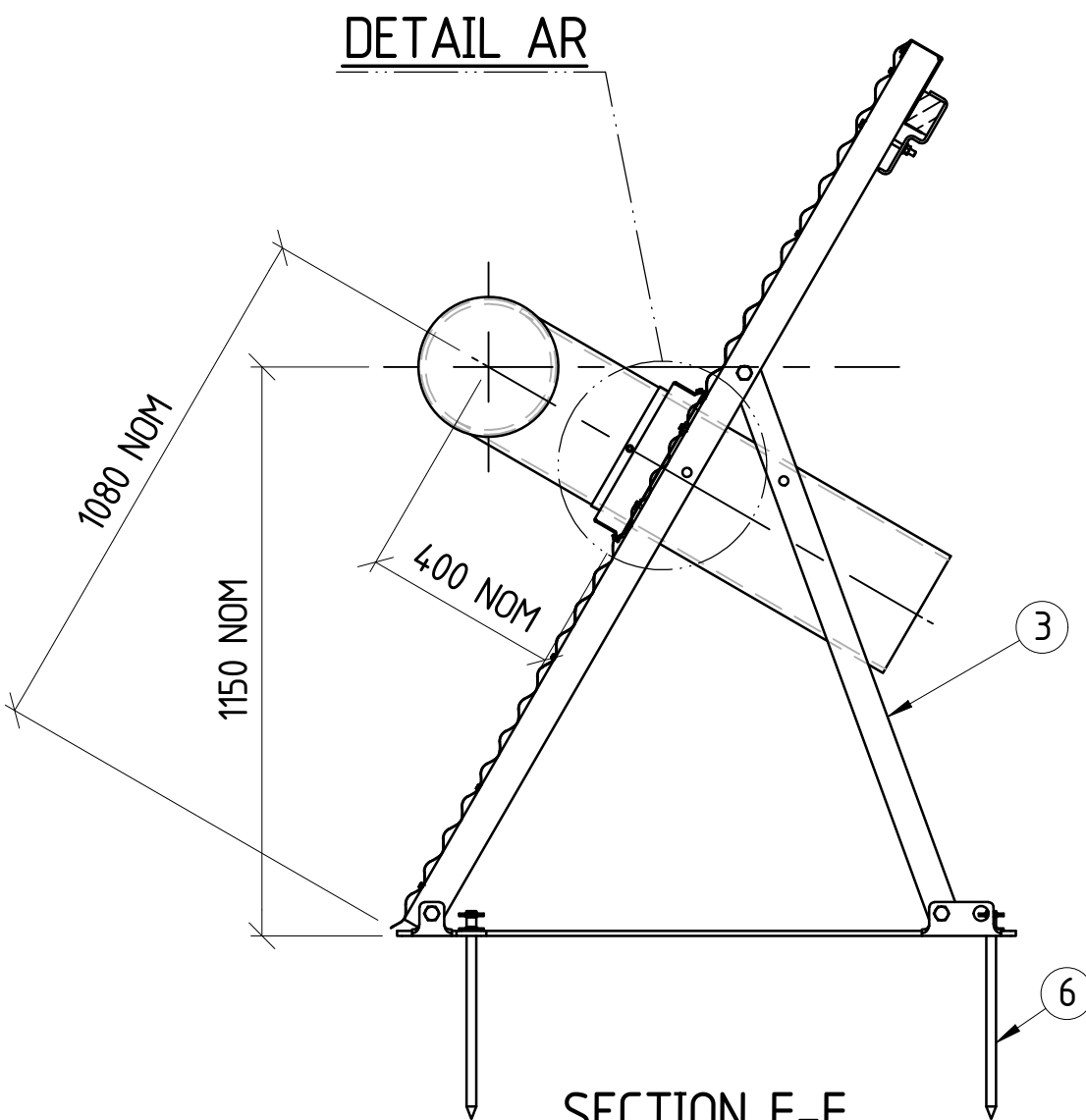
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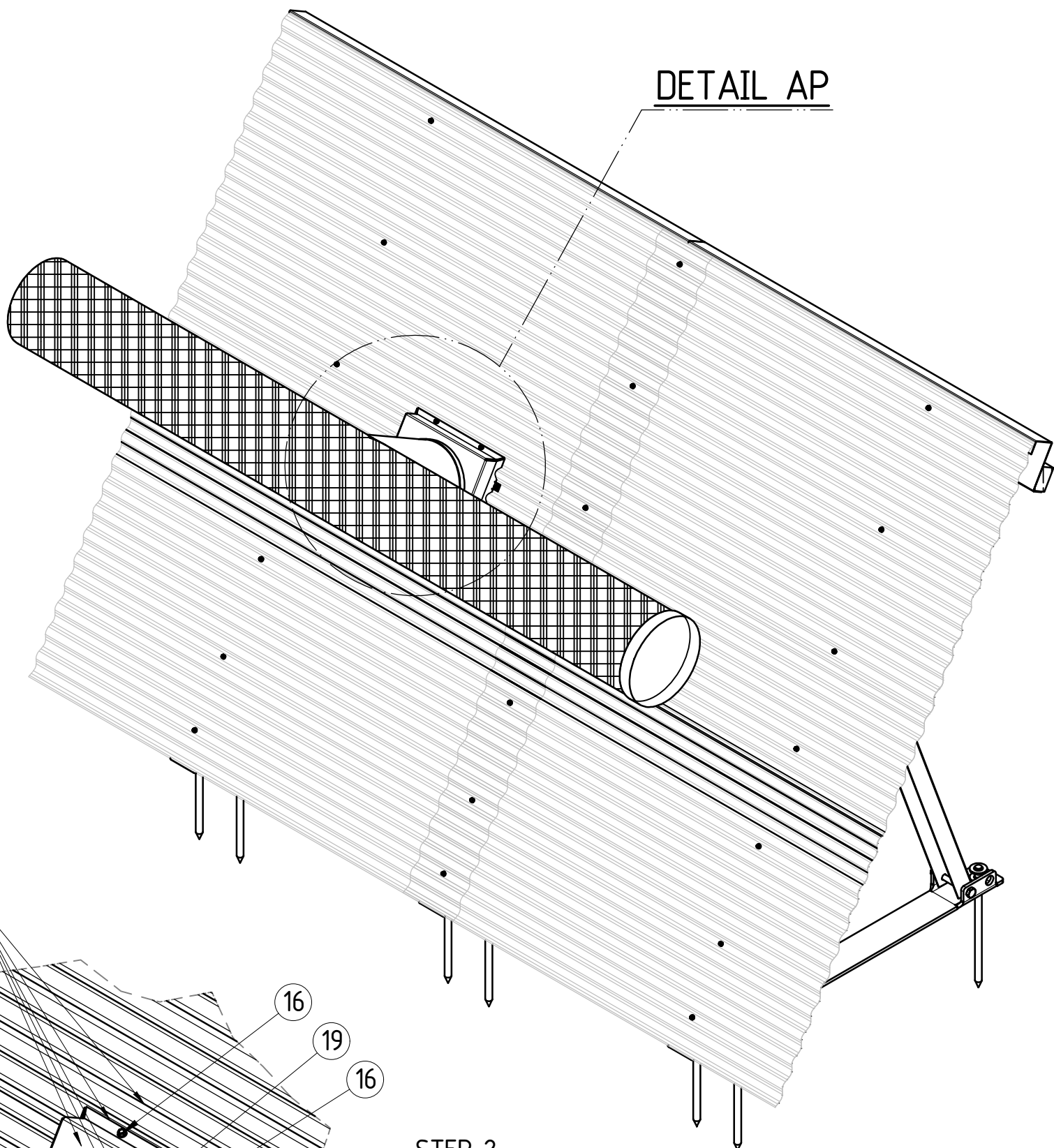
SECTION F ISO VIEW



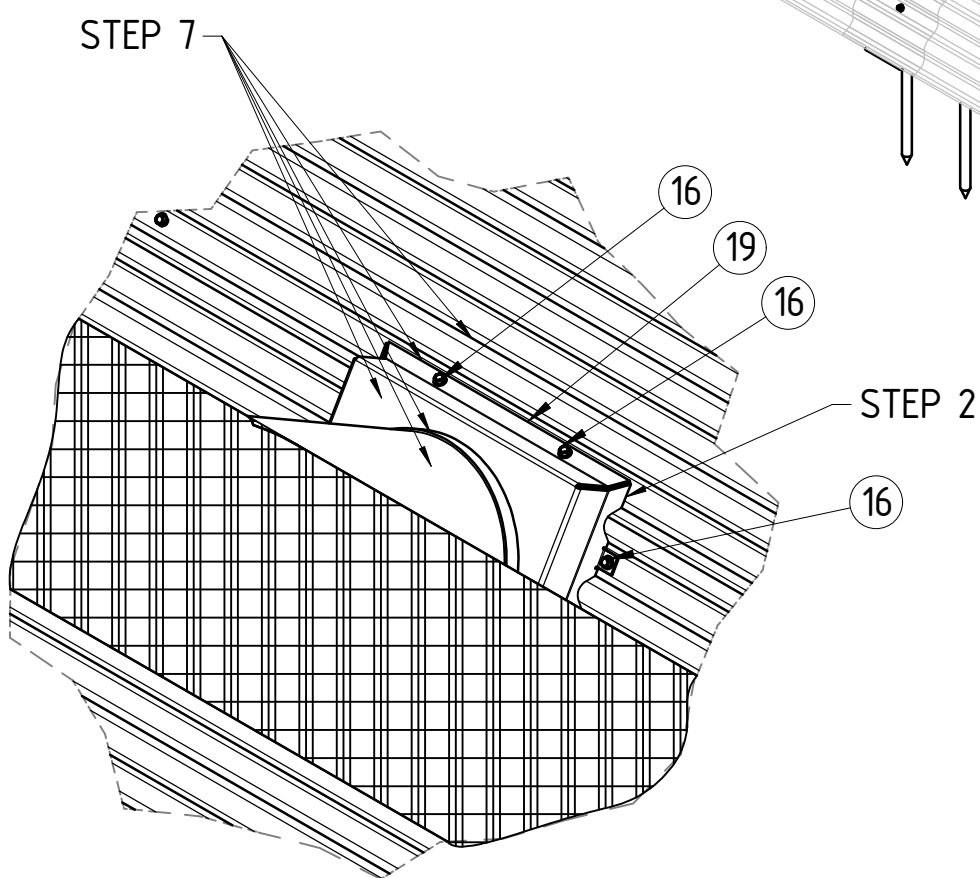
DETAIL AR



SECTION F-F



DETAIL AP



DETAIL AP

BACKGROUND:

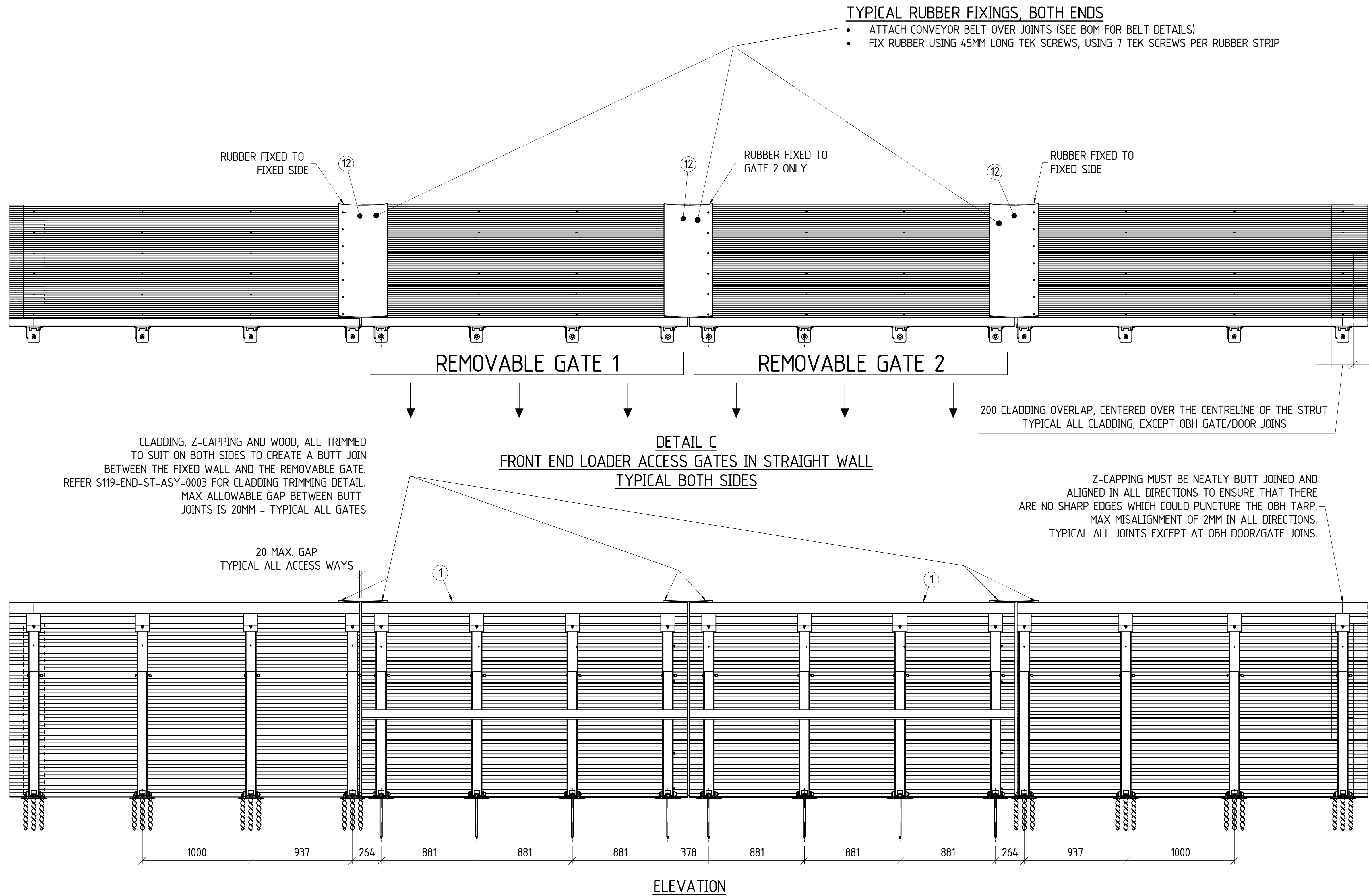
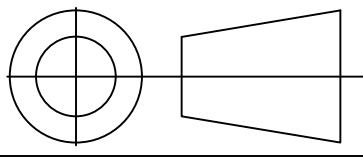
- THE 'T' PIECE IS USED TO PUMP HAZARDOUS FUMIGANT INTO THE STORAGE AFTER IT IS FULLY SEALED. CARE MUST BE TAKEN WHEN INSTALLING THE 'T' PIECE AND APPLYING THE SEALANTS TO ENSURE THE SEAL IS APPLIED TO A HIGH QUALITY.

USE THE FOLLOWING QUANTITY'S PER 1 'T'PIECE

- 1 X 600ML SAUSAGE OF BOSTIK SEAL AND FLEX 1
- 1L OF NOVALAST LTM 151

PROCEDURE:

- STEP 1: PREPARE AND CLEAN SURFACES WHERE SEALANTS ARE TO BE APPLIED AS PER MANUFACTURERS SPECIFICATIONS.
- STEP 2: INITIAL COLLAR INSTALL; APPLY A THICK (5-10MM) BEAD OF 'BOSTIK SEAL N FLEX 1' TO ALL EDGES OF THE T-PIECE MOUNTING COLLAR WHICH WILL CONTACT THE CORRUGATED CLADDING. TEK SCREW T-PIECE MOUNT (WITH BOSTIC SEALANT APPLIED) TO THE CLADDING USING 8 TEK SCREWS, EVENLY SPACED AROUND THE T-PIECE MOUNTING COLLAR.
- STEP 3: INSERT T-PIECE INTO THE T-PIECE MOUNTING COLLAR. SECURE THE T-PIECE AT THE LOCATION SHOWN, USING 2 X TEK SCREWS, THROUGH THE MOUNTING COLLAR RING. APPLY A THICK (5-10MM) BEAD OF 'BOSTIK SEAL N FLEX 1' AROUND THE JOIN AND AROUND ANY GAPS, INCLUDING AROUND THE TEK SCREWS. ALSO APPLY A THICK BEAD TO FILL THE GAP BETWEEN THE CLADDING AND THE T-PIECE, ON THE OUTSIDE OF THE BULKHEAD.
- STEP 4: LET SEALANT DRY AS PER MANUFACTURER'S DIRECTIONS.
- STEP 5: APPLY A SECOND THICK (5-10MM) BEAD OF 'BOSTIC SEAL N FLEX 1' AROUND ALL JOINS BETWEEN THE T-PIECE MOUNTING COLLAR, THE T-PIECE AND THE CLADDING.
- STEP 6: LET SEALANT DRY AS PER MANUFACTURER'S DIRECTIONS.
- STEP 7: PAINT THE ENTIRE T-PIECE MOUNTING COLLAR AND 150MM OF CLADDING AROUND THE COLLAR. ALSO PAINT 150MM OF THE T-PIECE, PAST THE COLLAR RING JOIN. PAINT WITH 'NOVALAST 151 LTM'
- STEP 8: LET SEALANT DRY AS PER MANUFACTURER'S DIRECTIONS.



TYPICAL RUBBER FIXINGS, BOTH ENDS

- ATTACH CONVEYOR BELT OVER JOINTS (SEE BOM FOR BELT DETAILS)
- FIX RUBBER USING 45MM LONG TEK SCREWS, USING 7 TEK SCREWS PER RUBBER STRIP

RUBBER FIXED TO
FIXED SIDE

12

RUBBER FIXED TO
GATE 2 ONLY

12

RUBBER FIXED TO
FIXED SIDE

12

REMOVABLE GATE 1

REMOVABLE GATE 2

200 CLADDING OVERLAP, CENTERED OVER THE CENTRELINE OF THE STRUT
TYPICAL ALL CLADDING, EXCEPT OBH GATE/DOOR JOINS

CLADDING, Z-CAPPING AND WOOD, ALL TRIMMED
TO SUIT ON BOTH SIDES TO CREATE A BUTT JOIN
BETWEEN THE FIXED WALL AND THE REMOVABLE GATE.
REFER S119-END-ST-ASY-0003 FOR CLADDING TRIMMING DETAIL.
MAX ALLOWABLE GAP BETWEEN BUTT
JOINTS IS 20MM - TYPICAL ALL GATES

DETAIL C
FRONT END LOADER ACCESS GATES IN STRAIGHT WALL
TYPICAL BOTH SIDES

Z-CAPPING MUST BE NEATLY BUTT JOINED AND
ALIGNED IN ALL DIRECTIONS TO ENSURE THAT THERE
ARE NO SHARP EDGES WHICH COULD PUNCTURE THE OBH TARP.
MAX MISALIGNMENT OF 2MM IN ALL DIRECTIONS.
TYPICAL ALL JOINTS EXCEPT AT OBH DOOR/GATE JOINS.

20 MAX. GAP
TYPICAL ALL ACCESS WAYS

1

1

ELEVATION

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CBH GROUP HEAD OFFICE
LEVEL 6, 240 ST GEORGES TERRACE,
PERTH W.A. 6000
PH (08) 9237 9600 FAX (08) 9322 3942

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REF DRG No.	REFERENCE DRAWING TITLE	REV	DATE	REVISIONS	BY	CHK	APP	REV	DATE	REVISIONS	BY	CHK	APP

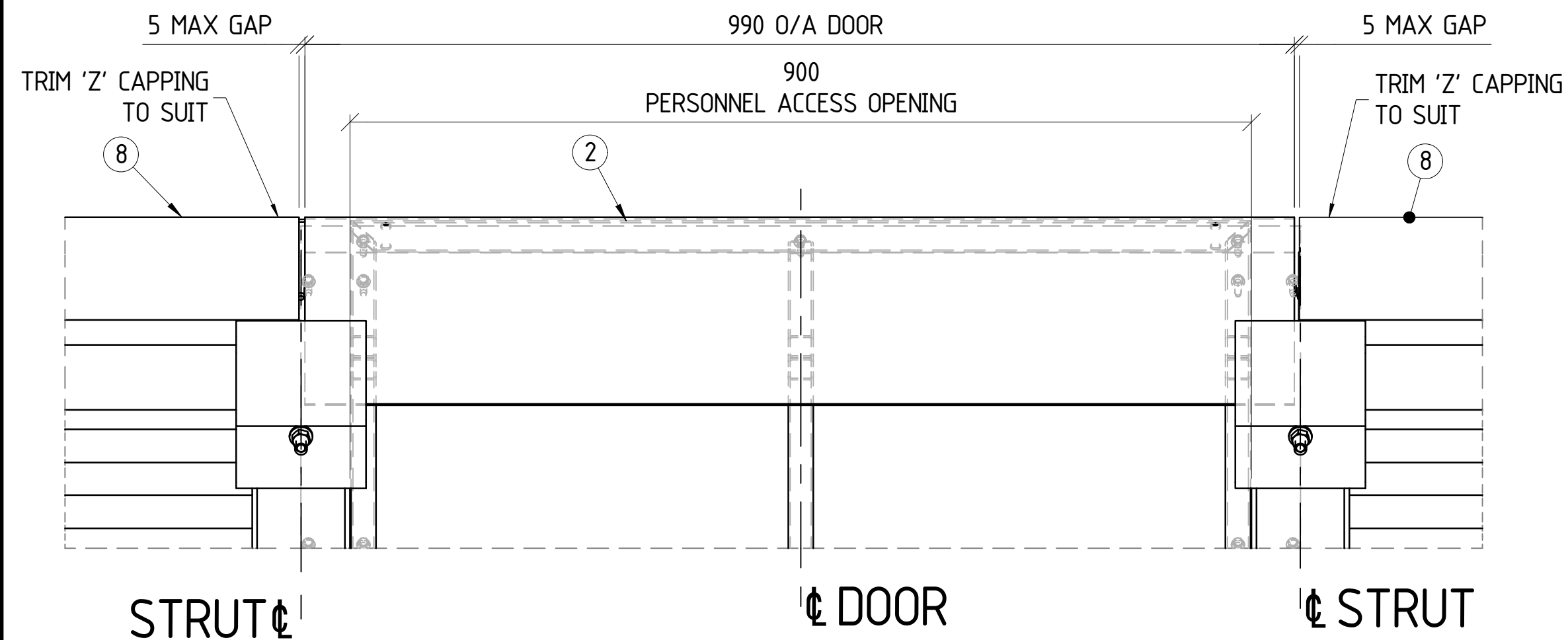
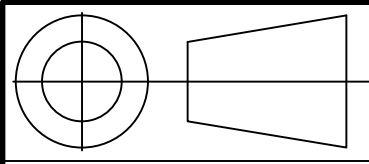
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CHECKED	LS	10/06/2020
ENGINEER	BC	11/06/2020
APPROVED	NH	11/06/2020

DRAWING TITLE
1.8m OPEN BULK HEAD
GENERAL ARRANGEMENT
STRAIGHT OBH OPENING DETAIL

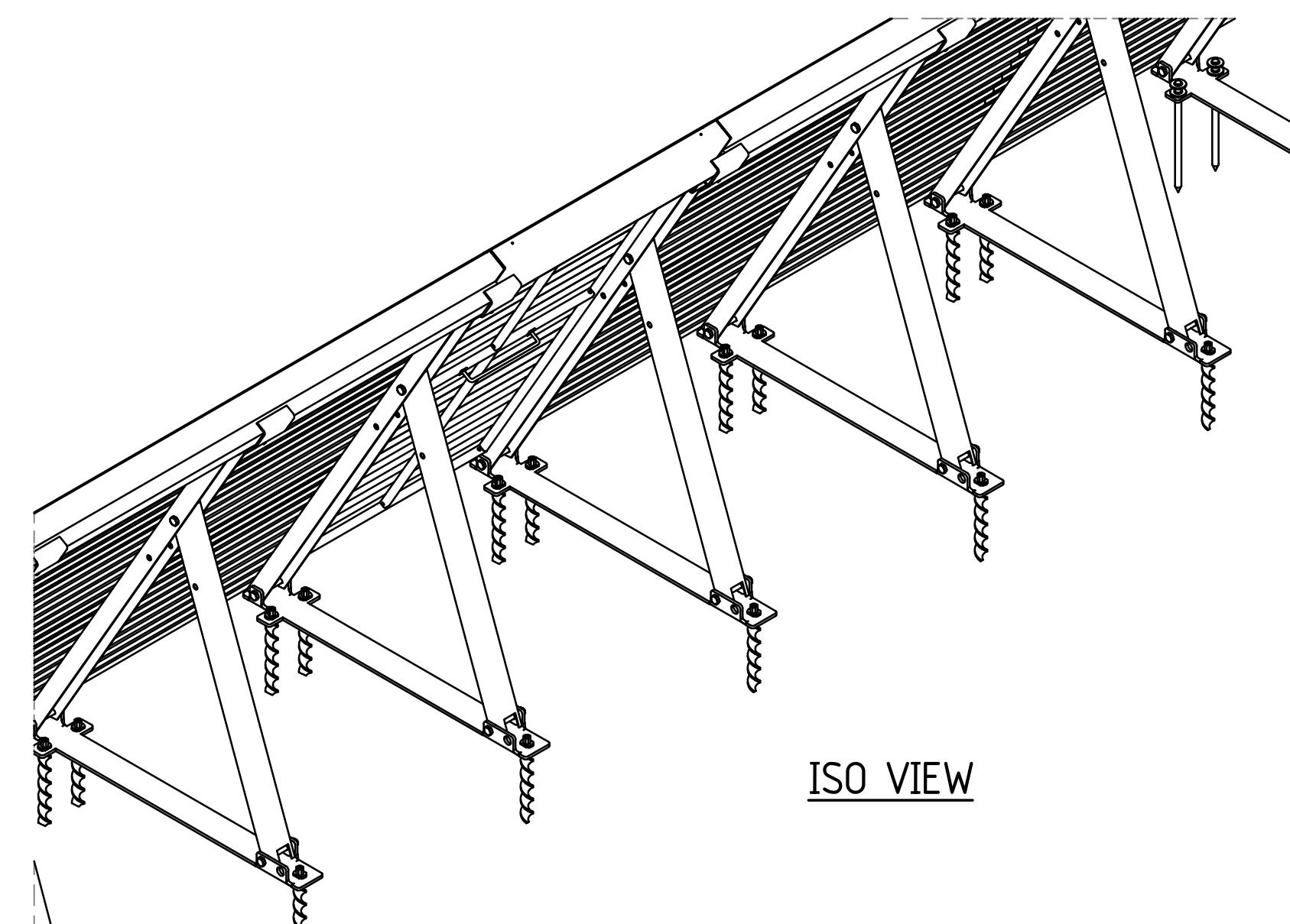
SITE
VARIOUS
PROJECT
STANDARD

DRAWING No
S119-ENG-ST-DGA-0003
SHEET
8 OF 9
REV.
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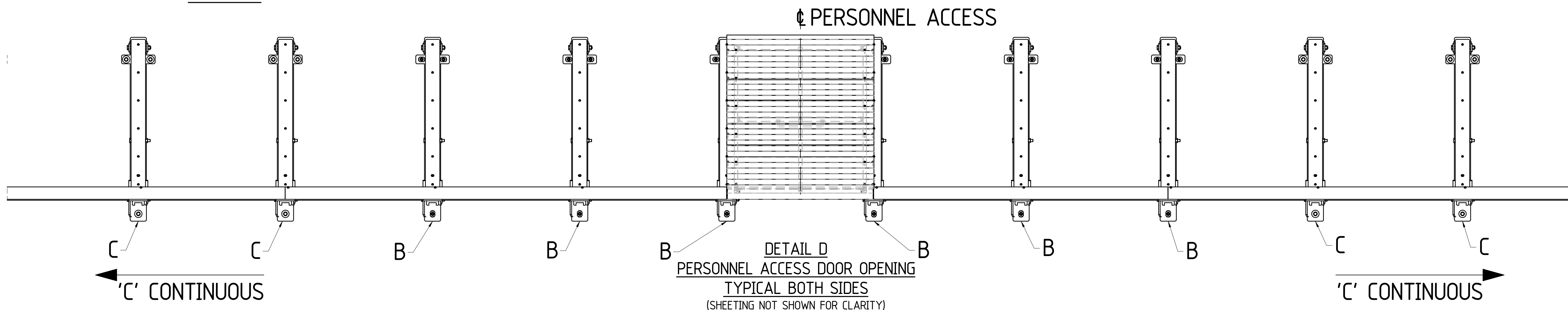
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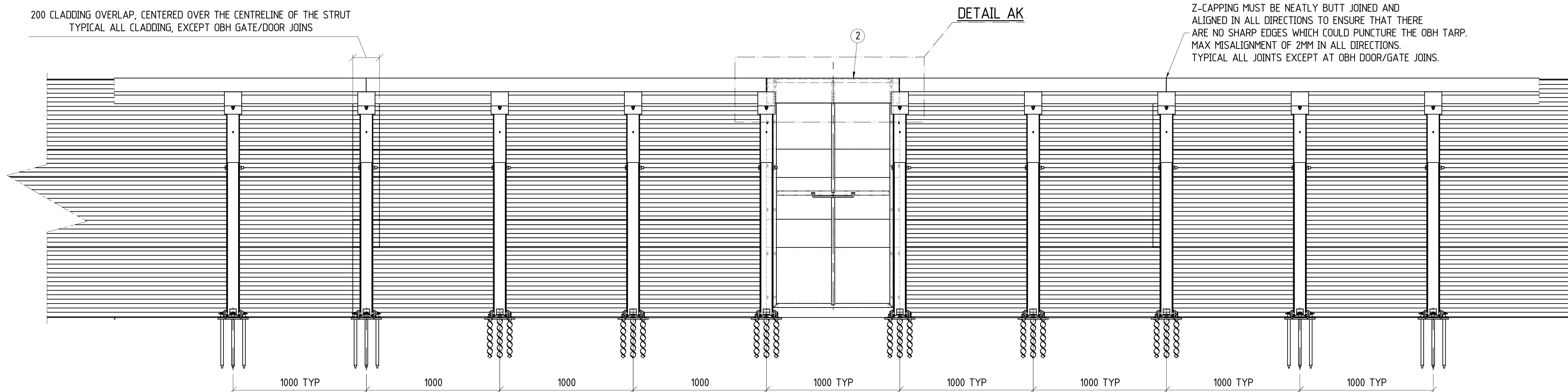
DETAIL AK



ISO VIEW



200 CLADDING OVERLAP, CENTERED OVER THE CENTRELINE OF THE STRUT
TYPICAL ALL CLADDING, EXCEPT OBH GATE/DOOR JOINS



ELEVATION

Z-CAPPING MUST BE NEATLY BUTT JOINED AND
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MAX MISALIGNMENT OF 2MM IN ALL DIRECTIONS.
TYPICAL ALL JOINTS EXCEPT AT OBH DOOR/GATE JOINS.

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REF DRG No.	REFERENCE DRAWING TITLE	REV	DATE

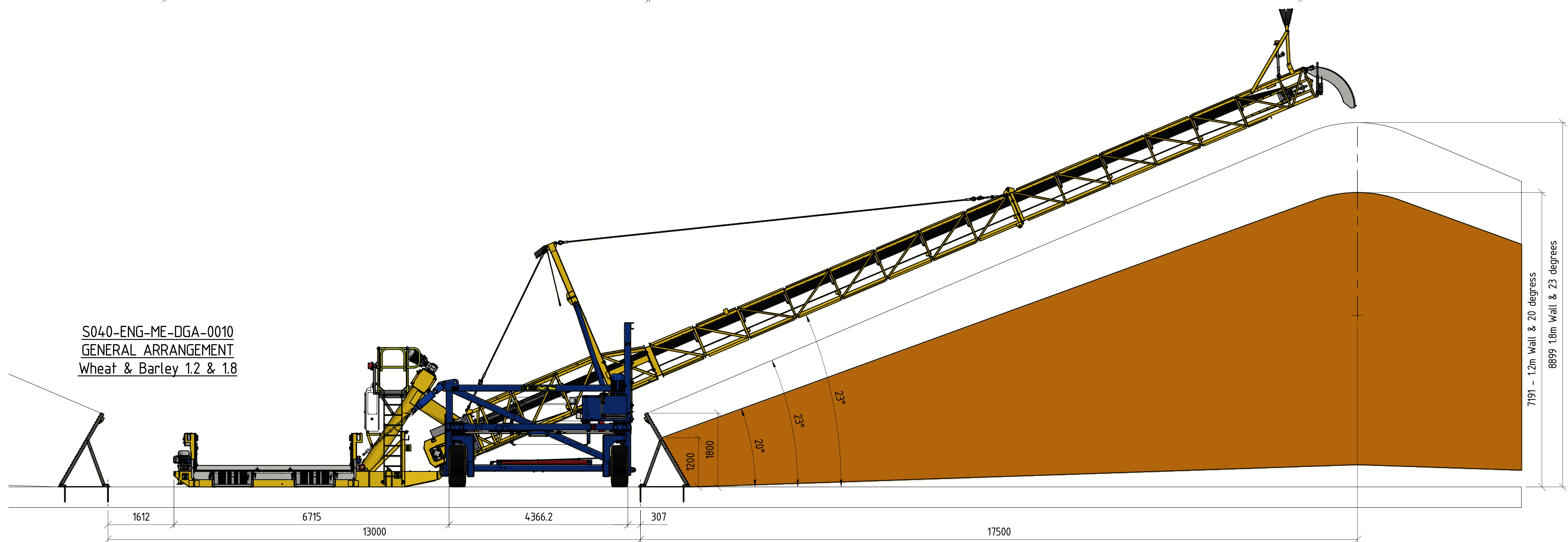
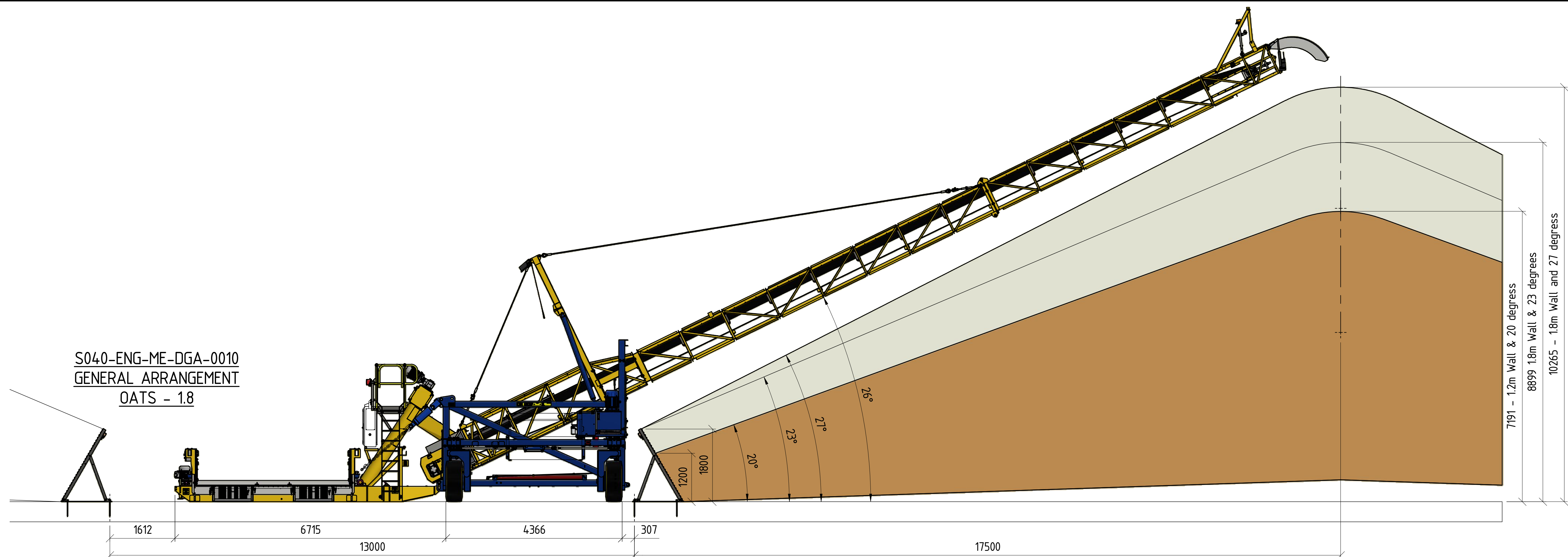
REVISIONS	BY	CHK	APP	REV	DATE

REVISIONS	BY	CHK	APP	REV	DATE

DRAWN	SCR	10/06/2020
CHECKED	LS	10/06/2020
ENGINEER	BC	11/06/2020
APPROVED	NH	11/06/2020

DRAWING TITLE
1.8m OPEN BULK HEAD
GENERAL ARRANGEMENT
PERSONELL ACCESS DOOR DETAIL

SITE VARIOUS	SIZE A1
PROJECT STANDARD	
DRAWING No S119-ENG-ST-DGA-0003	SHEET 9 OF 9
REV. 0	



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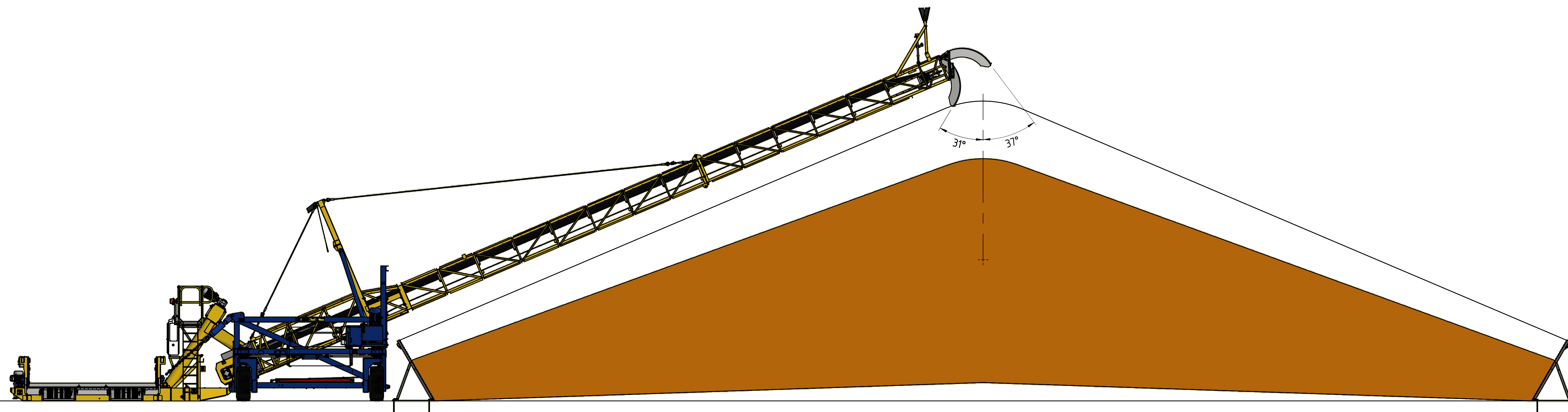
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				CHECKED	30/12/1899
				ENGINEER	30/12/1899
DD					
BY	CHK	APP		APPROVED	30/12/1899

DRAWING TITLE
DOG STACKER BULKHEAD
ARRANGEMENT
GENERAL ARRANGEMENT

SITE VARIOUS		SIZE A1
PROJECT LAYOUT		
DRAWING No S040-ENG-ME-DGA-0010	SHEET 1 OF 2	REV. 0

SIZE
A1



S040-ENG-ME-DGA-0010
GENERAL ARRANGEMENT