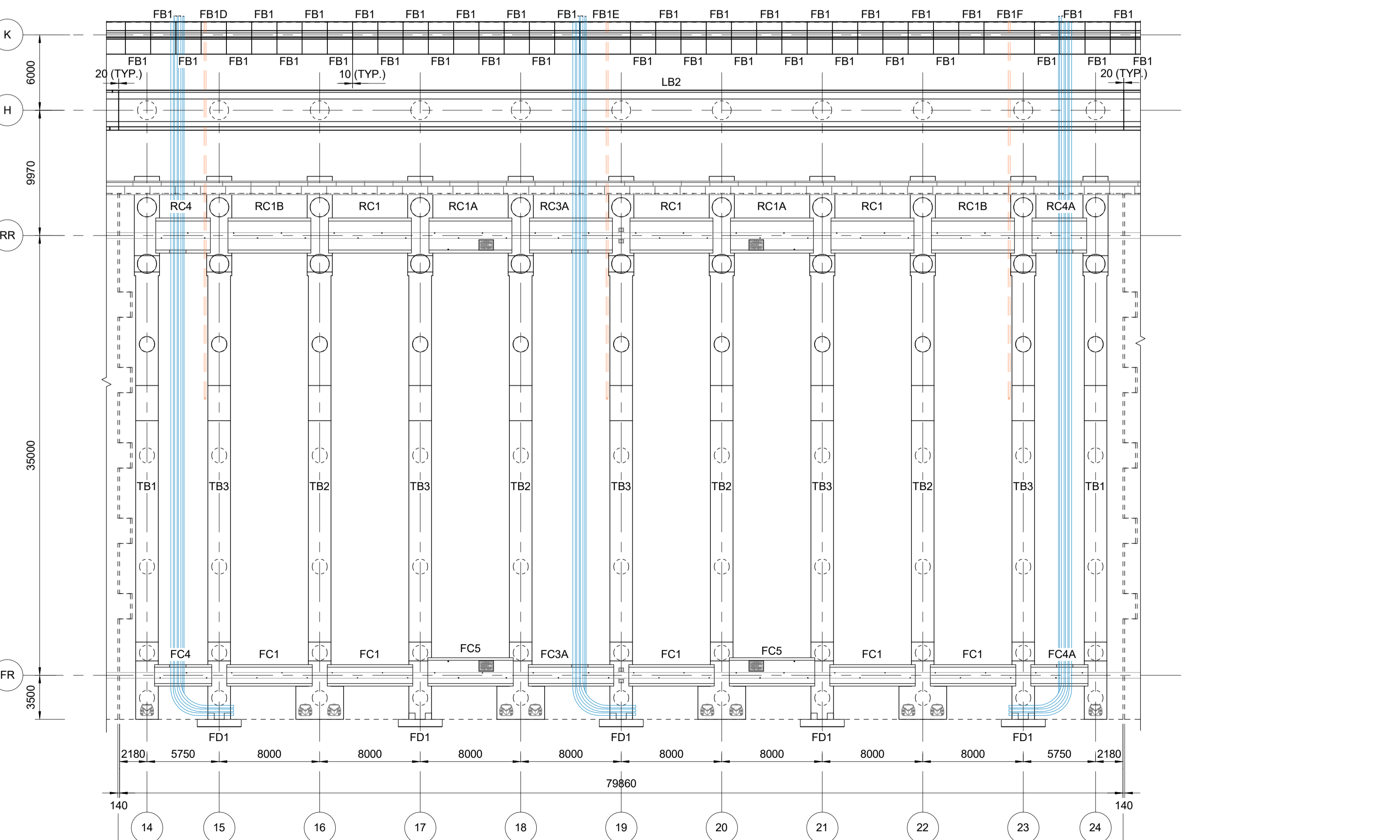
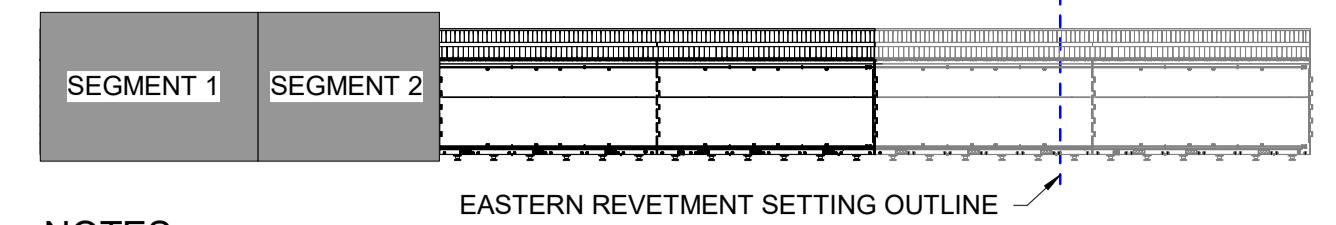


LAYOUT OF BEAMS - SEGMENT 1
SCALE 1 : 250



LAYOUT OF BEAMS - SEGMENT 2
SCALE 1 : 250

KEY PLAN :



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
3. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS:

1. BI1884-RHD-06-CT-DR-C-2002 to 2003
2. BI1884-RHD-06-CT-DR-C-2031 to 2032
3. BI1884-RHD-06-CT-DR-C-2121 to 2122
4. BI1884-RHD-06-CT-DR-C-2141 to 2145
5. BI1884-RHD-06-CT-DR-C-2151 to 2152
6. BI1884-RHD-06-CT-DR-C-2161 to 2164

LEGEND:

- 250T BOLLARD
- TIE DOWN
- STOW PIN
- CABLE DUCT FOR COMMUNICATION PIT (4x100mm HDPE DUCT, MIN. RADIUS 0.5m)
- CABLE DUCT FOR SHORE POWER PROVISION PIT (3x200mm HDPE DUCT, MIN. RADIUS 2.0m + 1x100mm DUCT, MIN. RADIUS 1.0m)
- CABLE DUCT FOR TURNOVER PIT (4x200mm HDPE DUCT, MIN. RADIUS 2.0m + 2x100mm DUCT, MIN. RADIUS 1.0m)
- HDPE PIPE DN140/50ml, 32m C/C

IN-SITU TRANSVERSE BEAM		
UNIT	PHASE 1 INITIAL (Nos.)	
TB1	10	
TB2	29	
TB3	33	

LANDSIDE PILED BEAM		
UNIT	LENGTH (mm)	PHASE 1 INITIAL (Nos.)
LB1	95990	1
LB2	79980	1
LB3	95980	1
LB4	95920	1

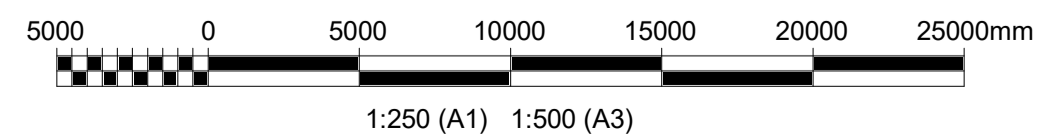
PRECAST FRONT CRANE RAIL BEAM		
UNIT	PHASE 1 INITIAL (Nos.)	
FC1	13	
FC2	5	
FC3	2	
FC3A	7	
FC4	2	
FC4A	1	
FC5	14	
FC6	1	
FC6A	1	

PRECAST REAR CRANE RAIL BEAM		
UNIT	PHASE 1 INITIAL (Nos.)	
RC1	7	
RC1A	14	
RC1B	6	
RC2	2	
RC2A	3	
RC3	2	
RC3A	7	
RC4	2	
RC4A	1	
RC5	1	
RC5A	1	

PRECAST FOUNDATION BEAM		
UNIT	PHASE 1 INITIAL (Nos.)	
FB1	166	
FB1A	1	
FB1B	1	
FB1C	1	
FB1D	1	
FB1E	1	
FB1F	1	
FB1G	1	
FB1H	1	
FB1I	1	
FB1J	1	
FB1K	1	
FB1L	1	
FB2	2	

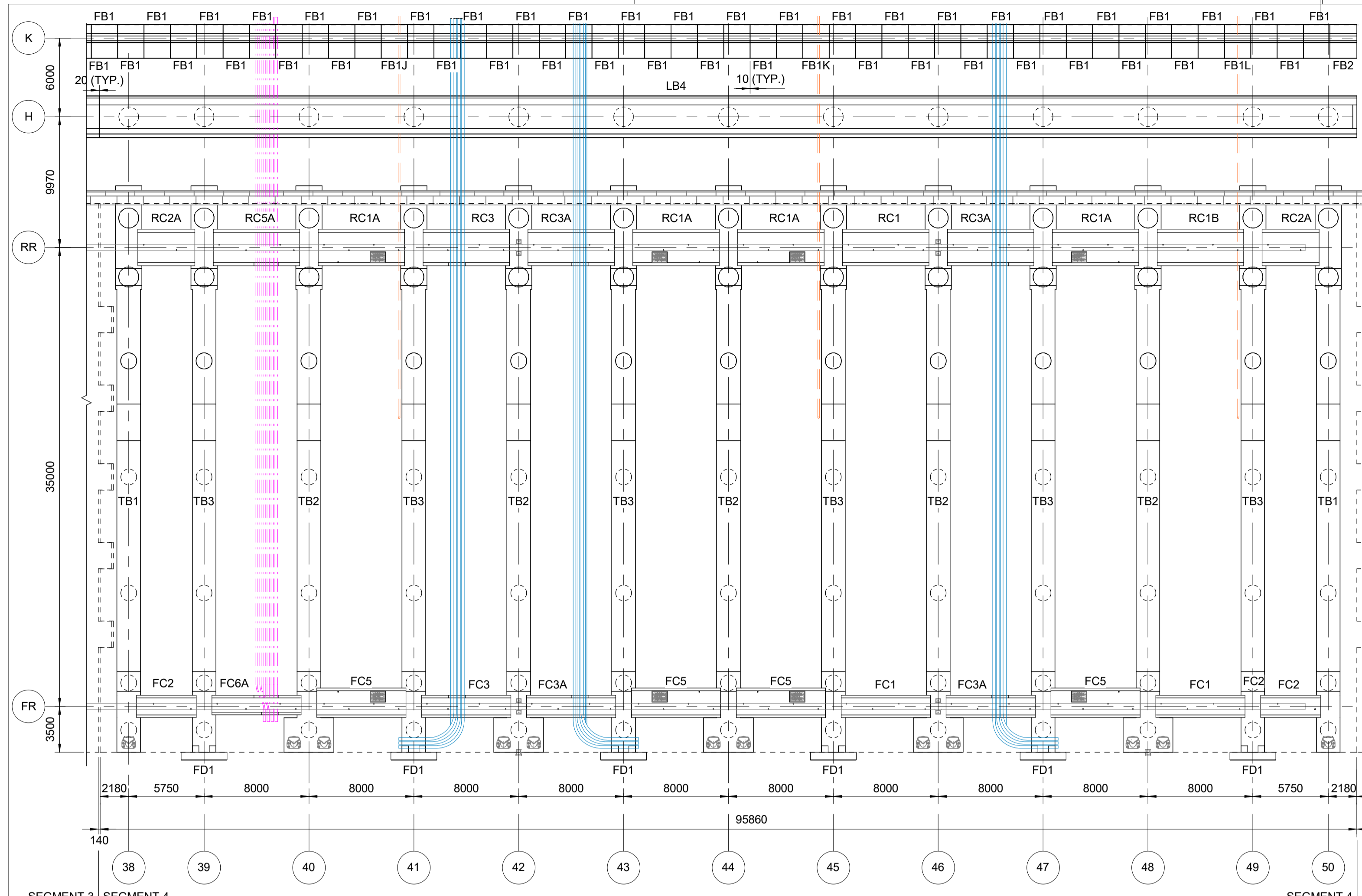
PRECAST FENDER BLOCK		
UNIT	PHASE 1 INITIAL (Nos.)	
FD1	23	

NOTE: FENDERS, LADDERS, CRANE RAILS, CRASH BARRIER AND DECK SLAB NOT SHOWN



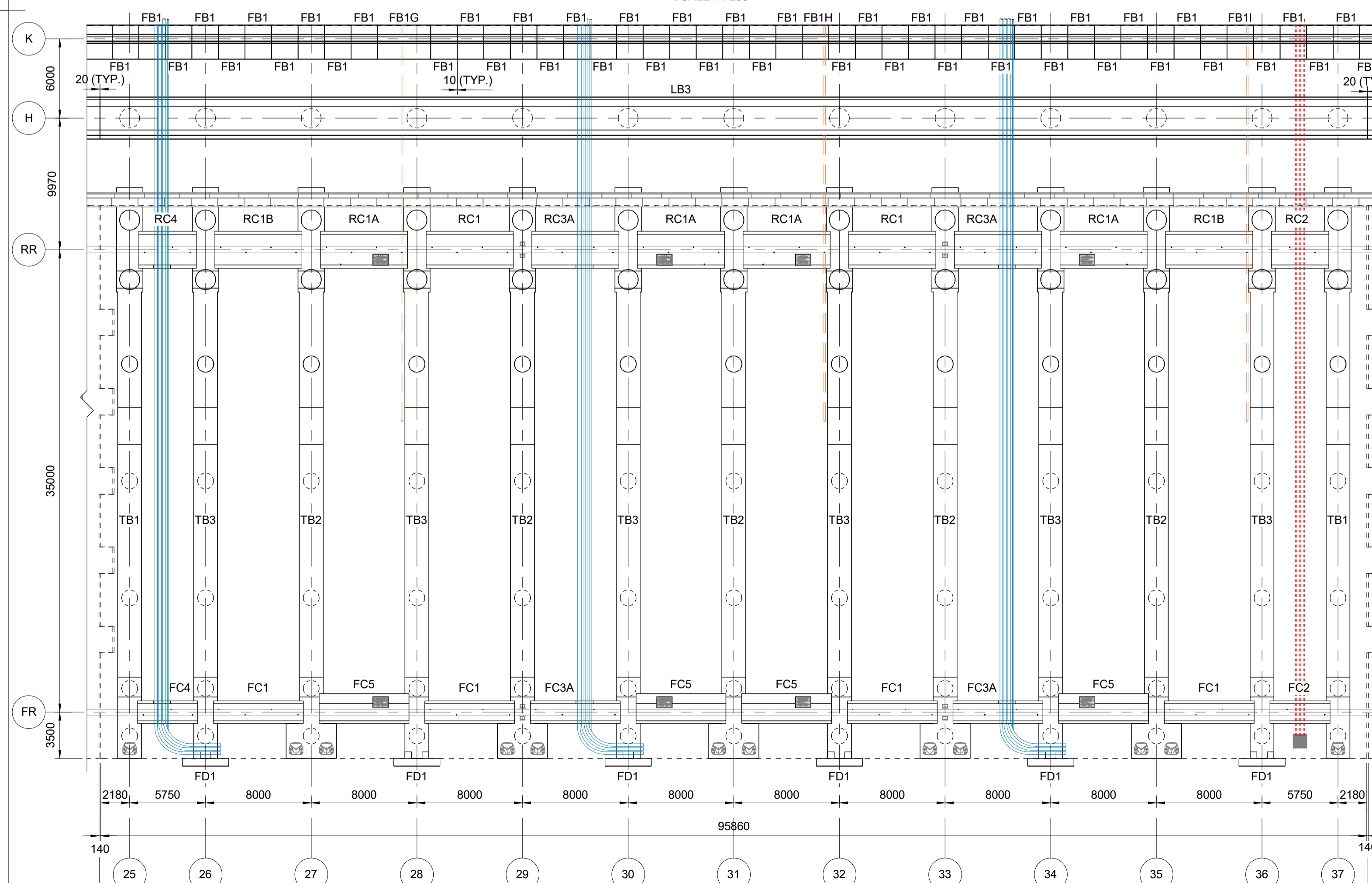
Rev. No.	Final Submission	Rev. No.	For Review	Rev. No.	Description/Periskrim	GP	PV	AM	25-08-2023
						NX	PV	AM	01-08-2023
						Drawn/ Te vizituar	Checked/ Kontrolluar	Approved/ Miratuar	Date/Date

Client/Parosidhi: DURRËS PORT AUTHORITY / Autoriteti Portual Durrës
 Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano
 Discipline/Disiplina: Offshore - Civil
 Title/Titulli: Phase 1 Layout Of Beams Segments 1 & 2
 Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2121



LAYOUT OF BEAMS - SEGMENT 4

SCALE 1 : 250



LAYOUT OF BEAMS - SEGMENT 3

SCALE 1 : 250

IN-SITU TRANSVERSE BEAM	
UNIT	PHASE 1 INITIAL (Nos.)
TB1	9
TB2	24
TB3	28

PRECAST FRONT CRANE RAIL BEAM	
UNIT	PHASE 1 INITIAL (Nos.)
FC1	13
FC2	5
FC3	2
FC3A	7
FC4	2
FC4A	1
FC5	14
FC6	1
FC6A	1

PRECAST REAR CRANE RAIL BEAM	
UNIT	PHASE 1 INITIAL (Nos.)
RC1	7
RC1A	14
RC1B	6
RC2	2
RC2A	3
RC3	2
RC3A	7
RC4	2
RC4A	1
RC5	1
RC5A	1

PRECAST FENDER BLOCK	
UNIT	PHASE 1 INITIAL (Nos.)
FD1	23

EASTERN REVETMENT SETTING OUTLINE REFER TO DRAWING BI1884-RHD-02-RV-DR-CM-2031 FOR DETAILS

PHASE 1 - EXTENSION

11 ADDITIONAL IN-SITU BEAMS AND PILES WILL BE BUILT AS A PART OF PHASE 1 INITIAL WORKS TO AVOID OVERWATER CONSTRUCTION DURING THE BERTH EXTENSION.

EXPOSE REINFORCEMENT SHALL BE PROTECTED AGAIN CORROSION. REFER TO SPECIFICATION BI1884-RHD-02-QW-SP-CM-2002 FOR DETAILS.

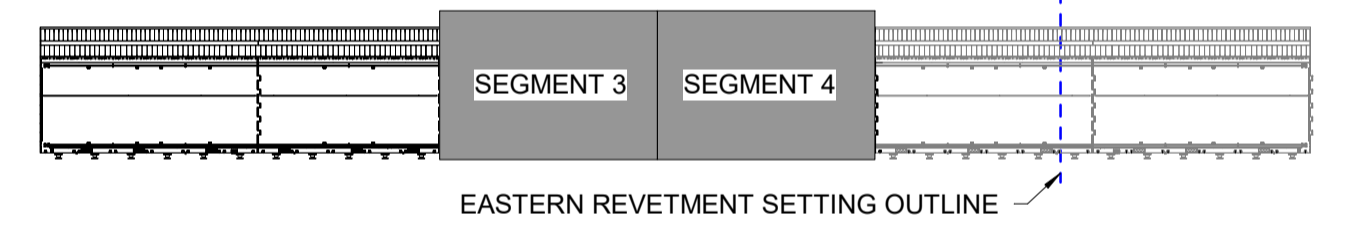
LEGEND:

- : 250T BOLLARD
- : TIE DOWN
- : STOW PIN
- : CABLE DUCT FOR COMMUNICATION PIT (4x100mm HDPE DUCT, MIN. RADIUS 0.5m)
- : CABLE DUCT FOR SHORE POWER PROVISION PIT (3x200mm HDPE DUCT, MIN. RADIUS 2.0m + 1x100mm DUCT, MIN. RADIUS 1.0m)
- : CABLE DUCT FOR TURNOVER PIT (4x200mm HDPE DUCT, MIN. RADIUS 2.0m + 2x100mm DUCT, MIN. RADIUS 1.0m)
- : HDPE PIPE DN140/50ml, 32m C/C

NOTE: FENDERS, LADDERS, CRANE RAILS, CRASH BARRIER AND DECK SLAB NOT SHOWN

LANDSIDE PILED BEAM		
UNIT	LENGTH (mm)	PHASE 1 INITIAL (Nos.)
LB1	95990	1
LB2	79980	1
LB3	95980	1
LB4	95920	1

KEY PLAN :



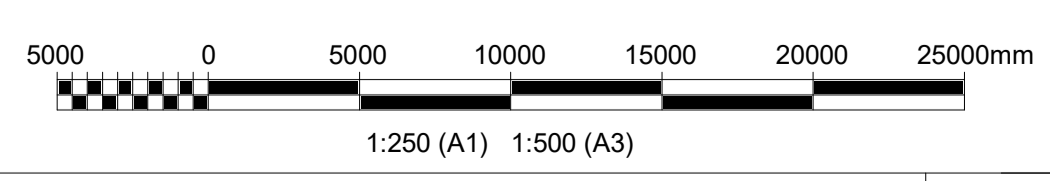
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
3. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS:

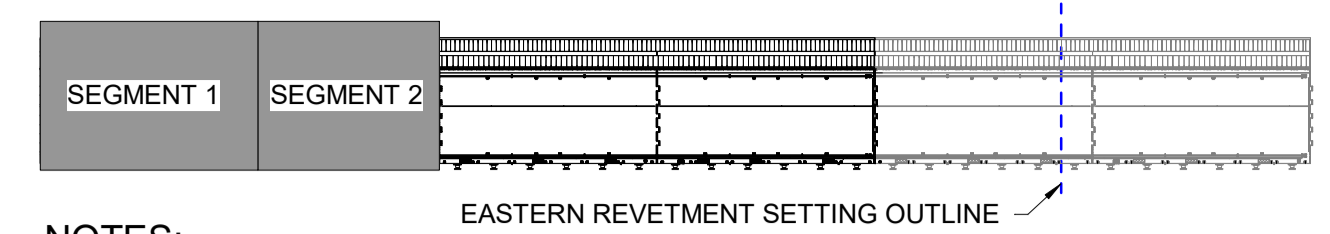
1. BI1884-RHD-06-CT-DR-C-2002 to 2003
2. BI1884-RHD-06-CT-DR-C-2031 to 2032
3. BI1884-RHD-06-CT-DR-C-2121 to 2122
4. BI1884-RHD-06-CT-DR-C-2141 to 2145
5. BI1884-RHD-06-CT-DR-C-2151 to 2152
6. BI1884-RHD-06-CT-DR-C-2161 to 2164

PRECAST FOUNDATION BEAM	
UNIT	PHASE 1 INITIAL (Nos.)
FB1	166
FB1A	1
FB1B	1
FB1C	1
FB1D	1
FB1E	1
FB1F	1
FB1G	1
FB1H	1
FB1I	1
FB1J	1
FB1K	1
FB1L	1
FB2	2



<p>abkons LOCAL KNOWLEDGE, GLOBAL STANDARDS</p> <p>ADEC ADVANCED DESIGN & ENGINEERING CONSULTANTS</p> <p>TAULANT sbpk Design & Supervision</p> <p>GEO ENG Geotechnical Engineering</p> <p>Royal HaskoningDHV Enhancing Society Together</p>	<p>Client/Parasiti: Durrës Port Authority / Autoriteti Portual Durrës</p> <p>Design Object/Objekt projektimi: Container Terminal</p> <p>Project/Projekt: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano</p> <p>Discipline/Disipline: Offshore - Civil</p> <p>Phase/Titull: Phase 1 Layout Of Beams Segments 3 & 4</p> <p>Revision/Revizim: P02</p>
<p>Rev. Description/Përshkrim</p>	<p>GP [Signature] AM 29-08-2023</p> <p>NV [Signature] AM 01-08-2023</p> <p>Drawn/ Te vizatuar</p> <p>Checked/ Kontrolluar</p> <p>Approved/ Miratuar</p> <p>Date/Data</p>
<p>Scale/Shkala: As indicated</p> <p>Phase/ Fazat: Detailed Design</p> <p>Sheet/ Nr. i fletës: 1</p> <p>of nga: 1</p>	<p>Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2122</p>

KEY PLAN :



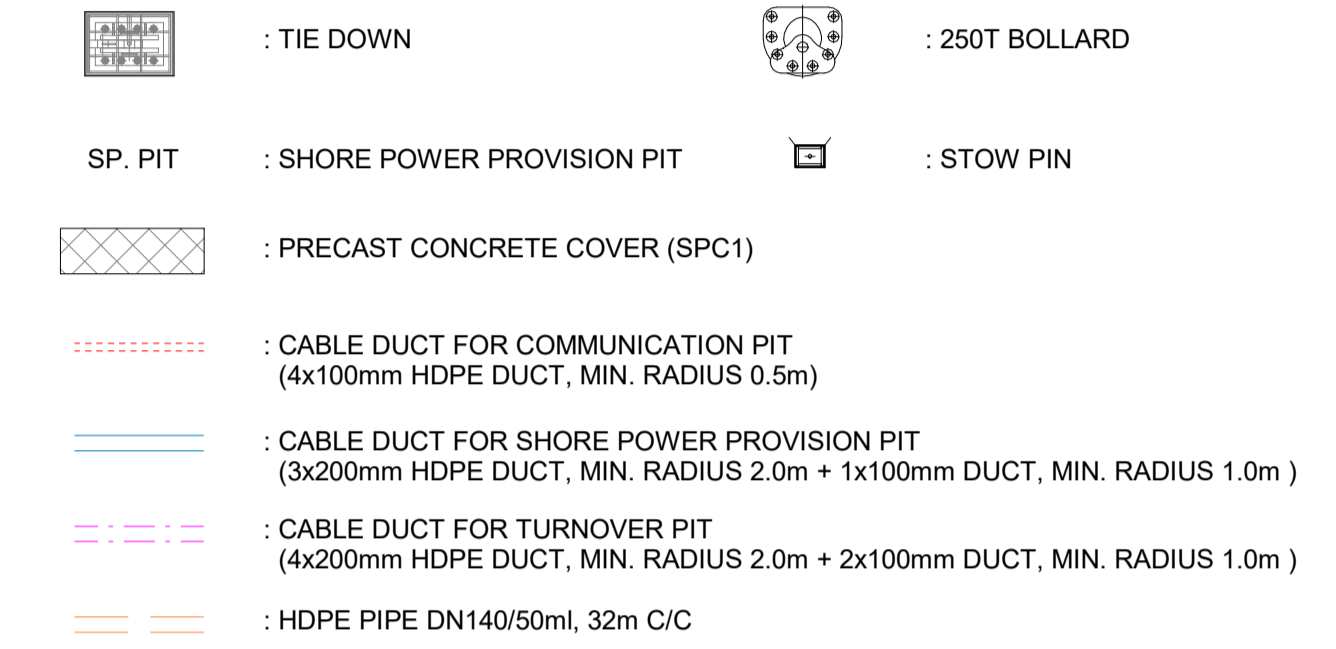
NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
- ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
- ALL PRECAST UNITS TO BE BEDDED ON 3mm THICK NEOPRENE STRIPS 175mm WIDE.
- MINIMUM CYLINDER STRENGTH OF IN-SITU CONCRETE TO BE 25 MPa BEFORE PLACING PRECAST UNITS.
- ALLOWABLE LOAD DURING CONSTRUCTION
 - 5 kPa, BEFORE FIRST CASTING OF CONCRETE
 - 1 kPa, DURING CASTING UNTIL CONCRETE STRENGTH IS 25 MPa.

REFERENCE DRAWINGS:

- BI1884-RHD-06-CT-DR-C-2171 to 2194

LEGEND:



PRECAST TRANSITION SLAB

UNIT	PHASE 1 INITIAL (Nos.)
LS1	181
LS2	1
LS2A	1
SS1	1
SS1A	1
SS2	2
SS3	12
SS4	2
SS5	130
SS6	7
SS7	4
SS8	1
SS9	1

PRECAST PLANK

UNIT	PHASE 1 INITIAL (Nos.)
S1	15
S1A	3
S1B	2
S1C	9
S1D	3
S2	189
S2A	67
S2B	20
S2C	13
S2D	7
S2E	14
S2F	14
S3	63
S3A	11
S3B	6
S3C	2
S3D	3
S3E	16
S3F	7
S4	14
S4A	3
S4B	2
S4C	1
S4D	3
S4E	1
S5	35
S5A	15
S5B	4
S5C	5
S5D	1
S6	21
S6A	4
S6B	2
S6C	2
S6D	1
S6E	5
S6F	1

PRECAST SHORE POWER PROVISION PIT

UNIT	PHASE 1 INITIAL (Nos.)
SP1	9
SP2	3
SPC1	12

PRECAST TURNOVER PIT

UNIT	PHASE 1 INITIAL (Nos.)
TP1	1
TP2	1

Rev.	Final Submission	Rev.	Final Submission	Rev.	Final Submission	Rev.	Final Submission	Rev.	Final Submission
Rev.	FOR REVIEW	Rev.	FOR REVIEW	Rev.	FOR REVIEW	Rev.	FOR REVIEW	Rev.	FOR REVIEW
Rev.	Description/Periskrim	Rev.	Description/Periskrim	Rev.	Description/Periskrim	Rev.	Description/Periskrim	Rev.	Description/Periskrim



Client/Projekt: Durrës Port Authority, Autoriteti Portual Durrës
 Design Object/Objekt projektimi: Container Terminal

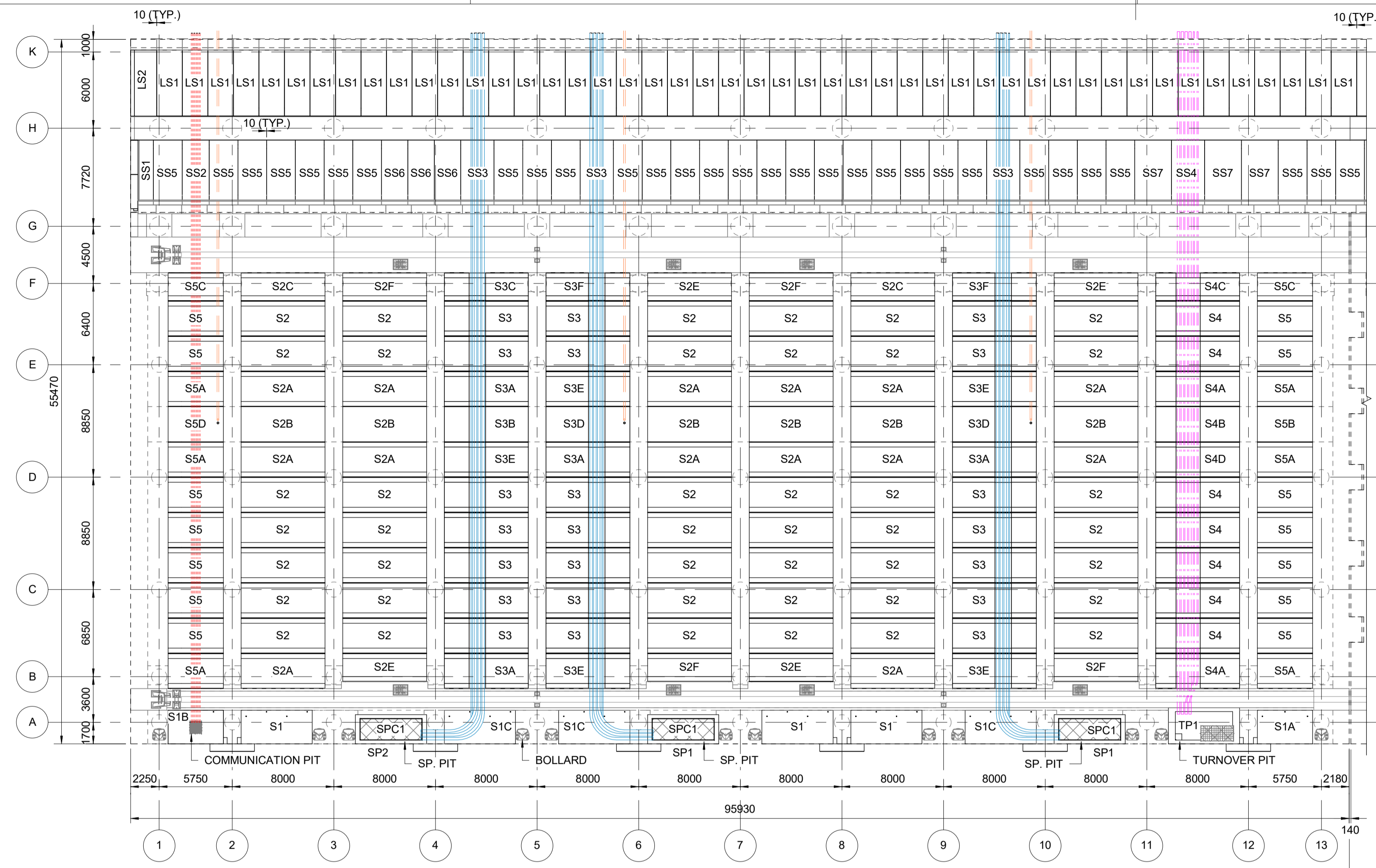
Project/Projekt: Integrated Port of Durrës in Porto Romano
 Porti i integruar i Durrësit në Porto Romano

Title/Titull: Phase 1 Layout of PC Slab and Transition Slab Segments 1 & 2

Discipline/Disiplina: Offshore - Civil

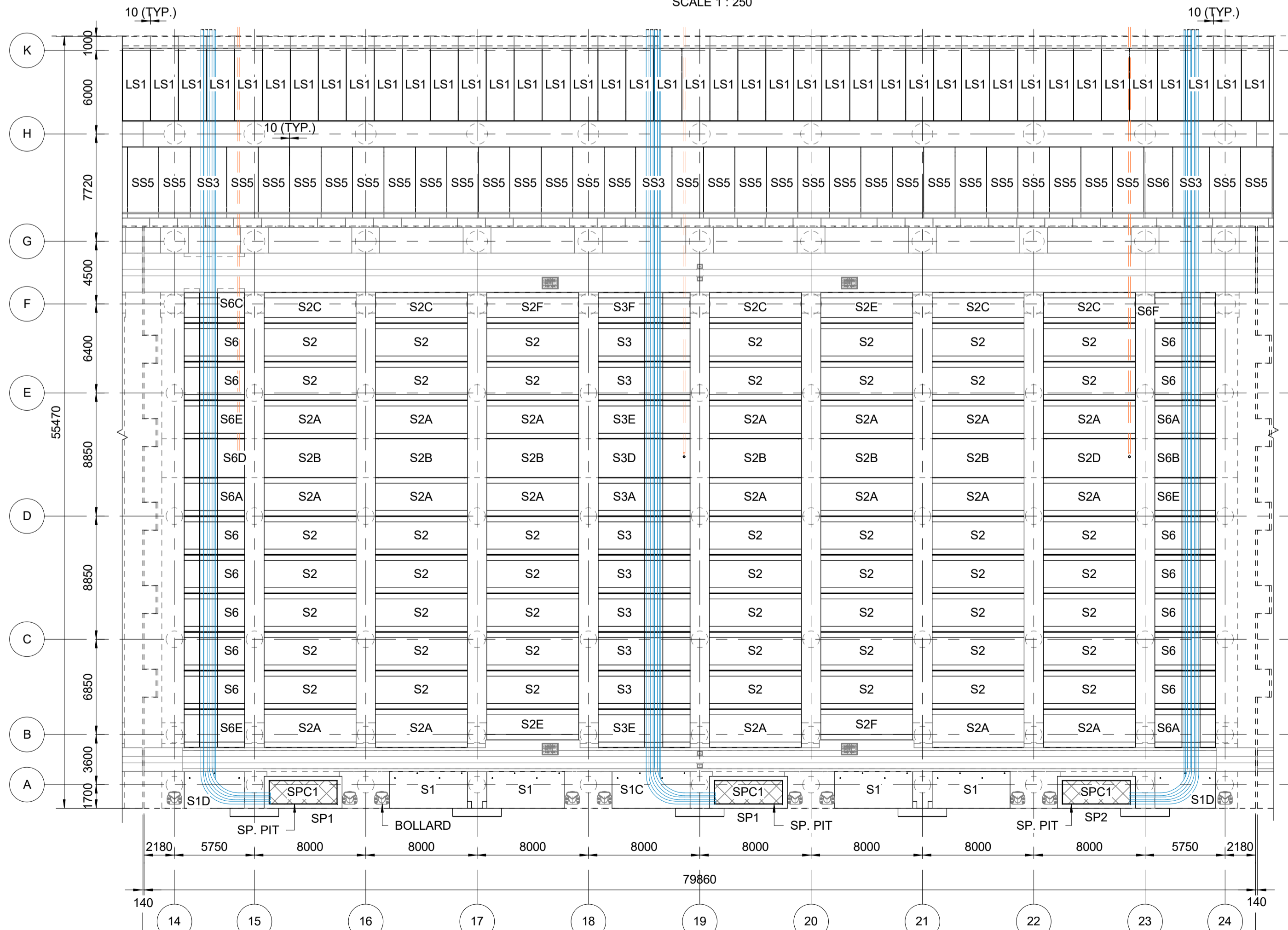
Revision/Rahkrim: P02

Sheet/Lista: A1, Scale/Shkala: As indicated, Phase/ Fazat: Detailed Design, Sheet/Lista: 1 of 1, Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2131



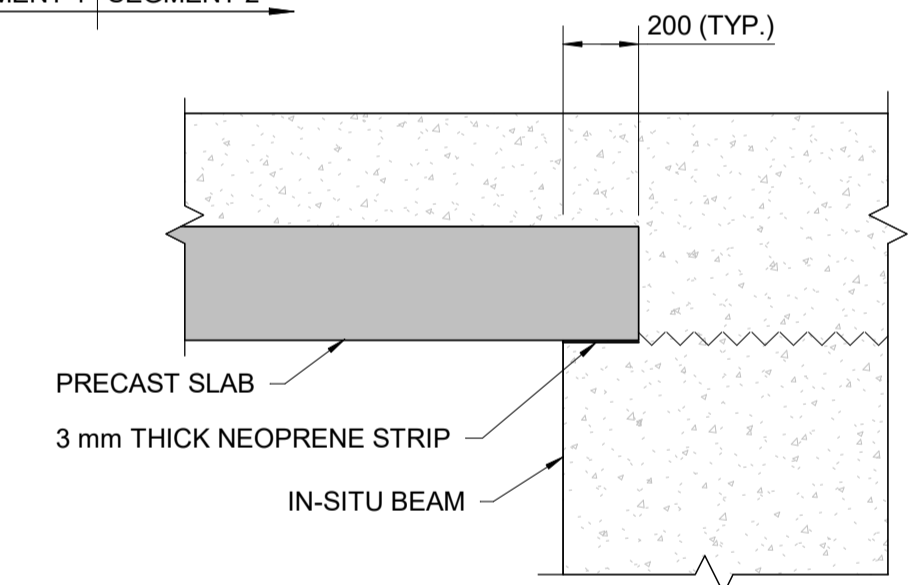
PC LAYOUT & TRANSITION SLAB - SEGMENT 1
 SCALE 1 : 250

SEGMENT 1 SEGMENT 2

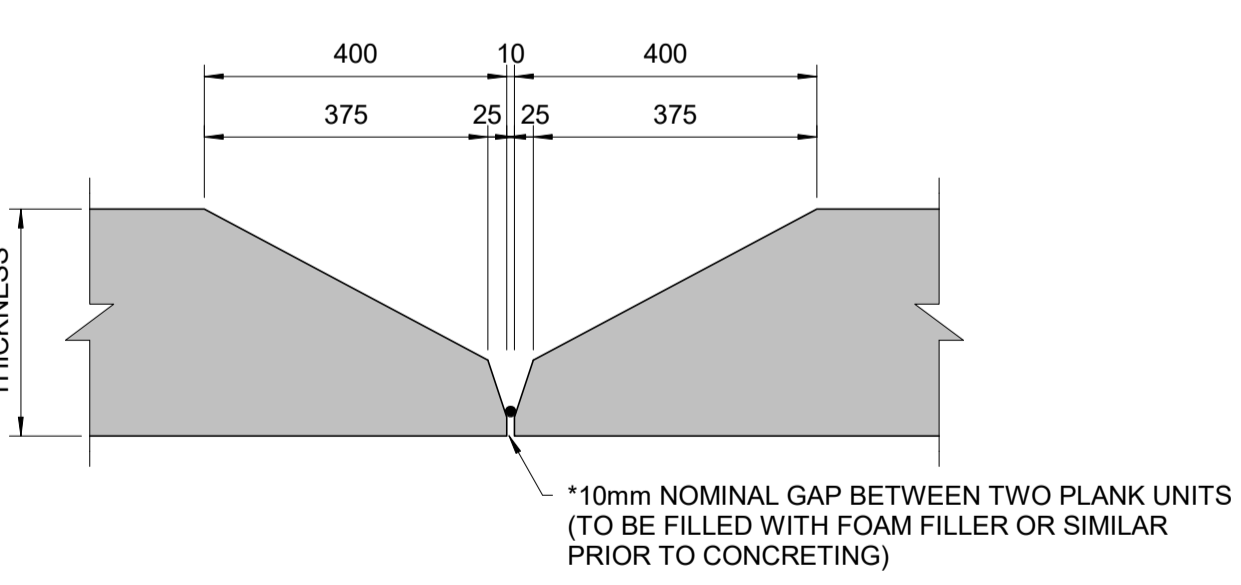


PC LAYOUT & TRANSITION SLAB - SEGMENT 2
 SCALE 1 : 250

SEGMENT 2 SEGMENT 3

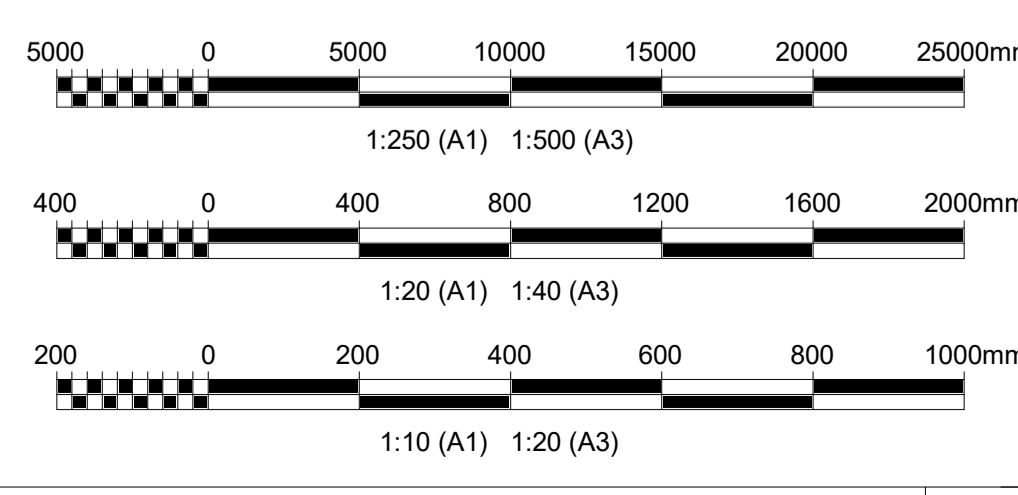


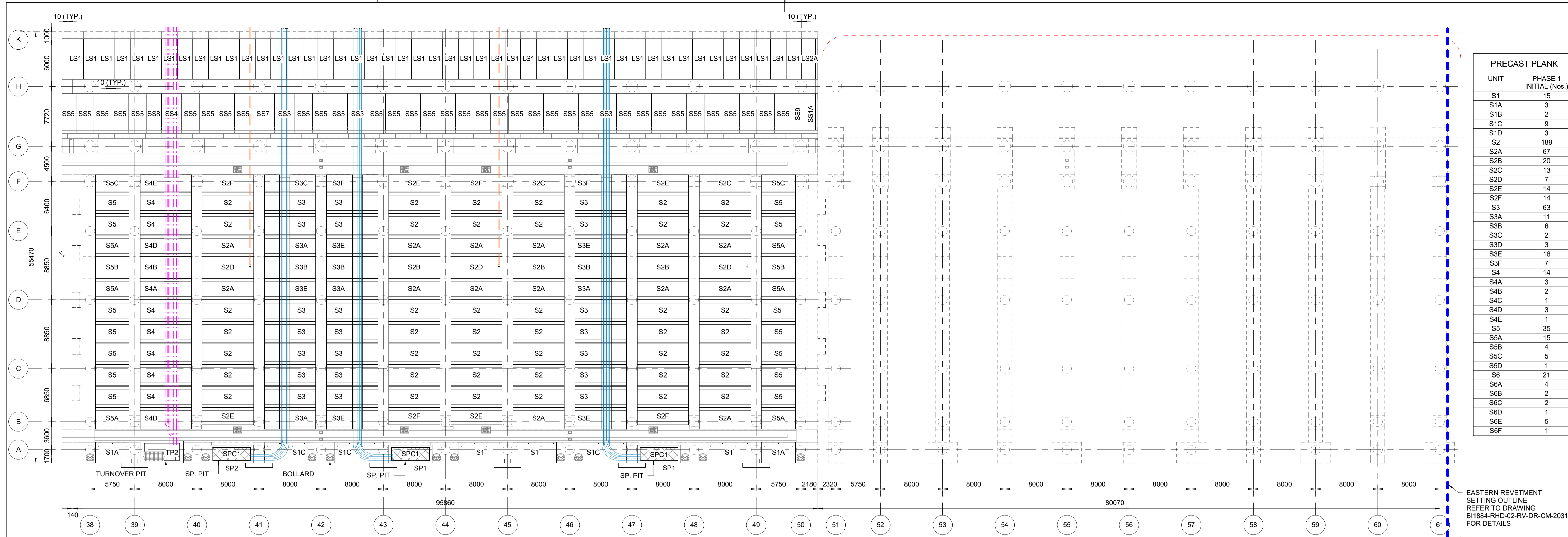
BEARING DETAILS
 SCALE 1 : 20



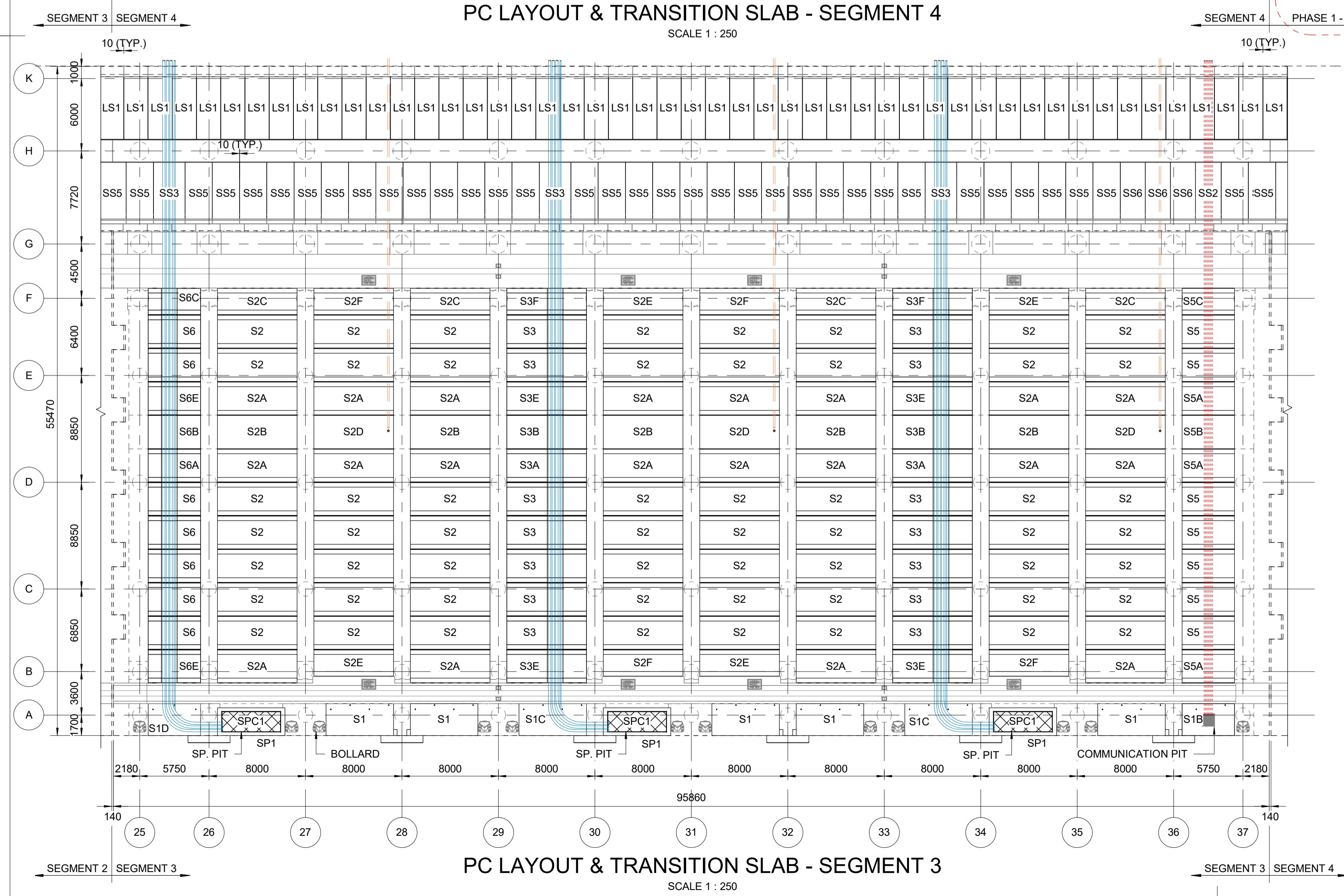
DETAIL BETWEEN TWO PRECAST PLANKS
 SCALE 1 : 10

NOTE: FENDERS, LADDERS, CRANE RAILS AND CRASH BARRIER NOT SHOWN





PRECAST PLANK	
UNIT	PHASE 1 INITIAL (Nos.)
S1	15
S1A	3
S1B	2
S1C	9
S1D	3
S2	189
S2A	67
S2B	20
S2C	13
S2D	7
S2E	14
S2F	14
S3	63
S3A	11
S3B	6
S3C	2
S3D	3
S3E	16
S3F	7
S4	14
S4A	3
S4B	2
S4C	1
S4D	3
S4E	1
S5	35
S5A	15
S5B	4
S5C	5
S5D	1
S6	21
S6A	4
S6B	2
S6C	2
S6D	1
S6E	5
S6F	1

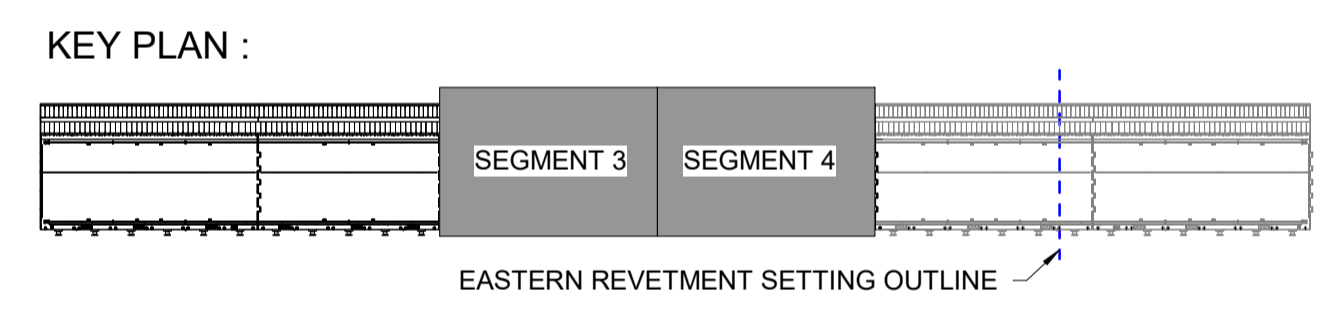


- LEGEND:**
- : TIE DOWN
 - : 250T BOLLARD
 - : SHORE POWER PROVISION PIT
 - : STOW PIN
 - : PRECAST CONCRETE COVER (SPC1)
 - : CABLE DUCT FOR COMMUNICATION PIT (4x100mm HDPE DUCT, MIN. RADIUS 0.5m)
 - : CABLE DUCT FOR SHORE POWER PROVISION PIT (3x200mm HDPE DUCT, MIN. RADIUS 2.0m + 1x100mm DUCT, MIN. RADIUS 1.0m)
 - : CABLE DUCT FOR TURNOVER PIT (4x200mm HDPE DUCT, MIN. RADIUS 2.0m + 2x100mm DUCT, MIN. RADIUS 1.0m)
 - : HDPE PIPE DN140/50ml, 32m C/C

PRECAST TRANSITION SLAB	
UNIT	PHASE 1 INITIAL (Nos.)
LS1	181
LS2	1
LS2A	1
SS1	1
SS1A	1
SS2	2
SS3	12
SS4	2
SS5	130
SS6	7
SS7	4
SS8	1
SS9	1

PRECAST SHORE POWER PROVISION PIT	
UNIT	PHASE 1 INITIAL (Nos.)
SP1	9
SP2	3
SPC1	12

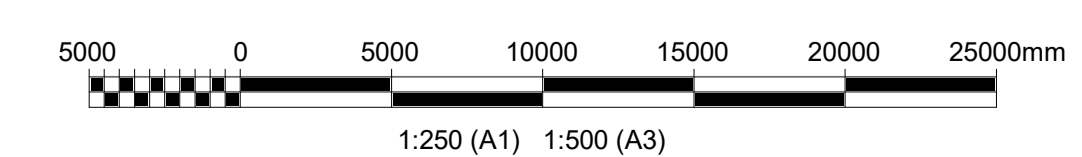
PRECAST TURNOVER PIT	
UNIT	PHASE 1 INITIAL (Nos.)
TP1	1
TP2	1



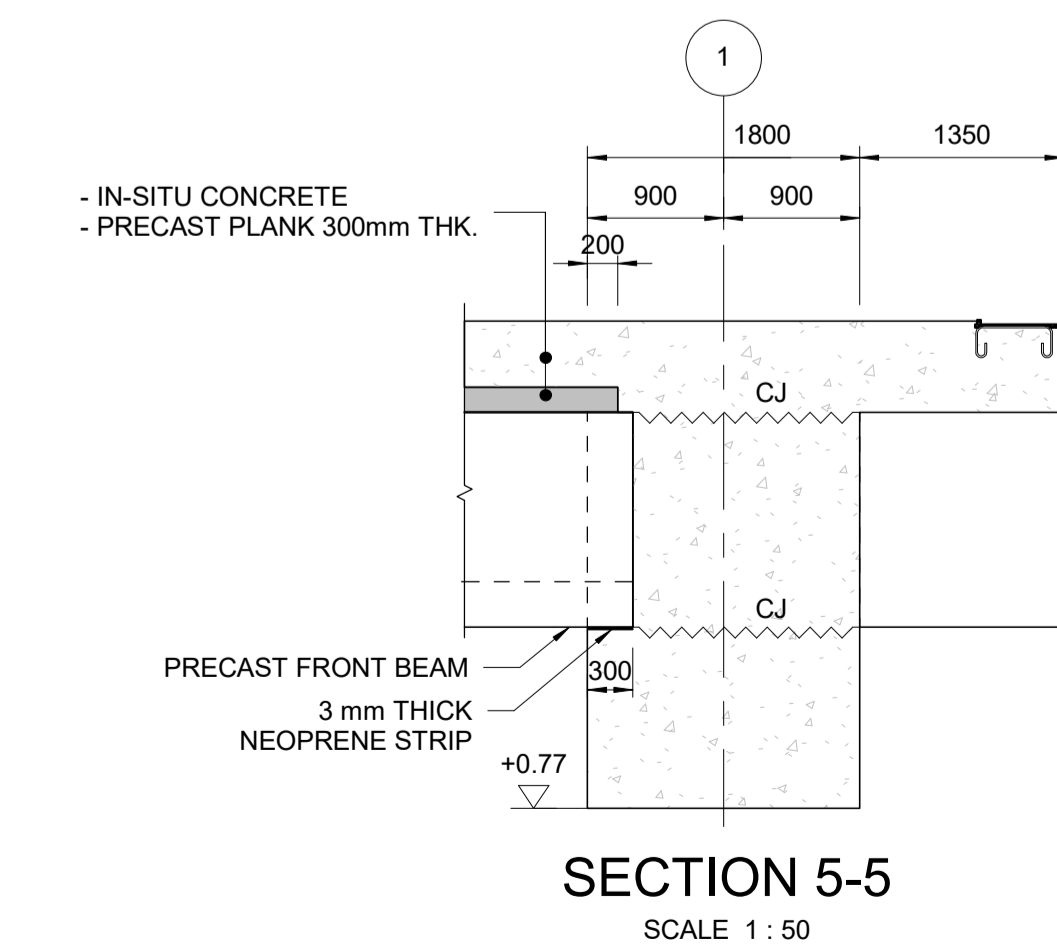
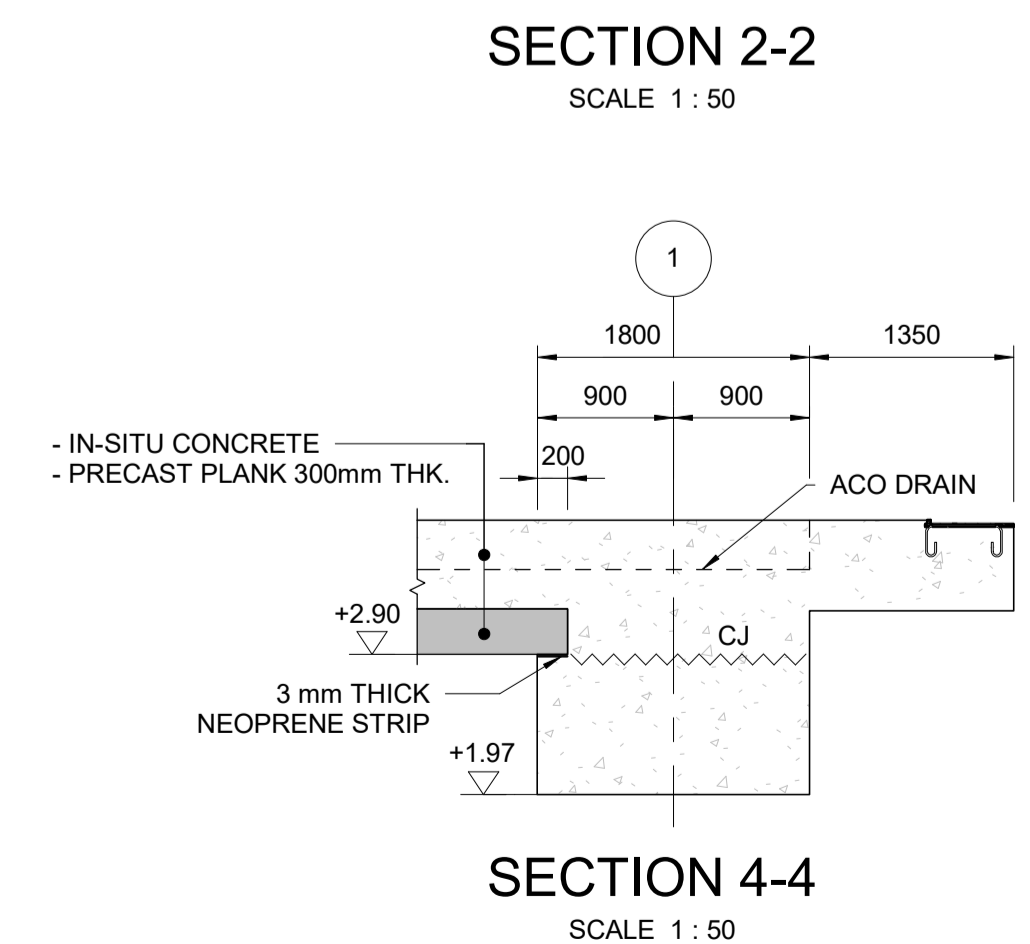
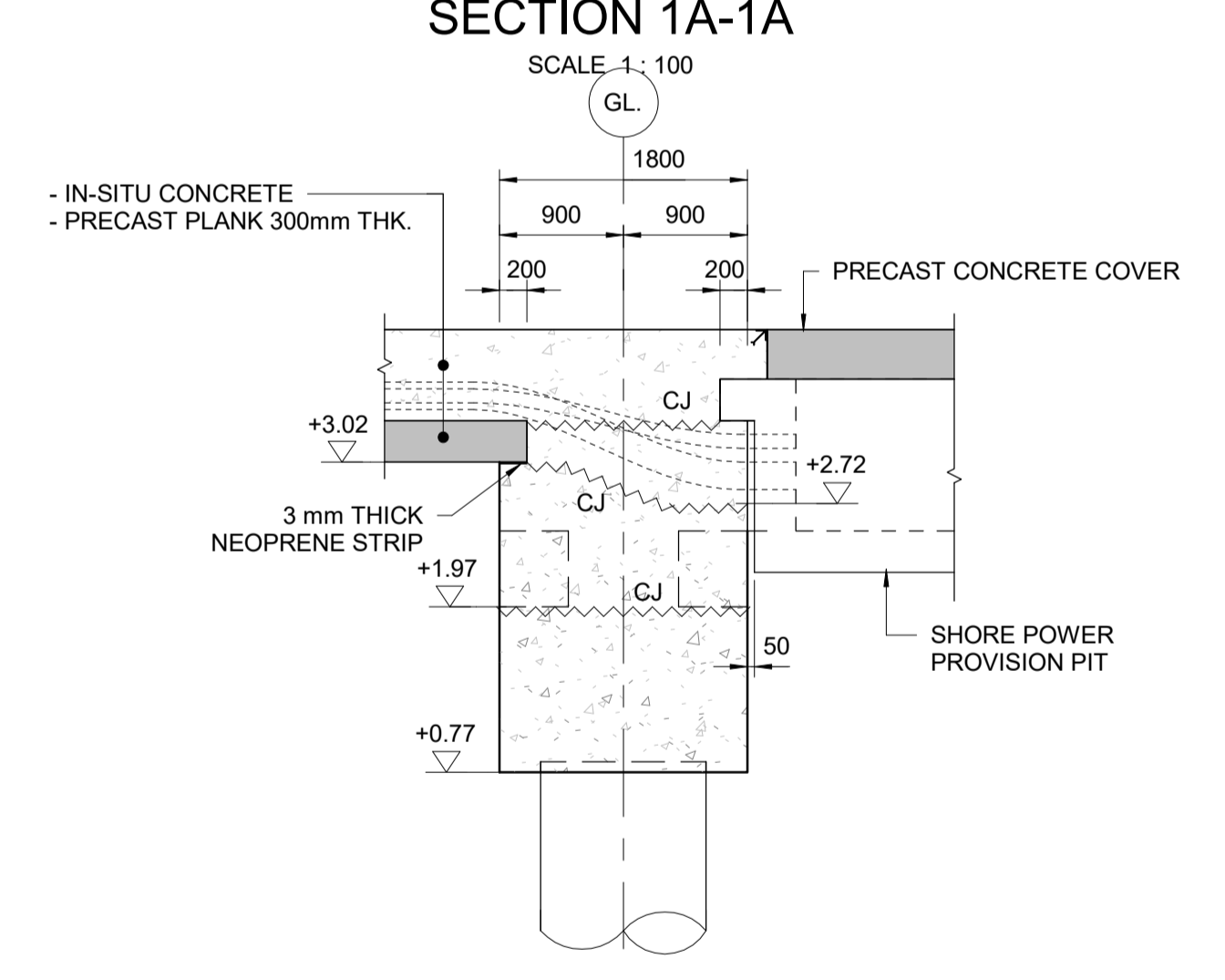
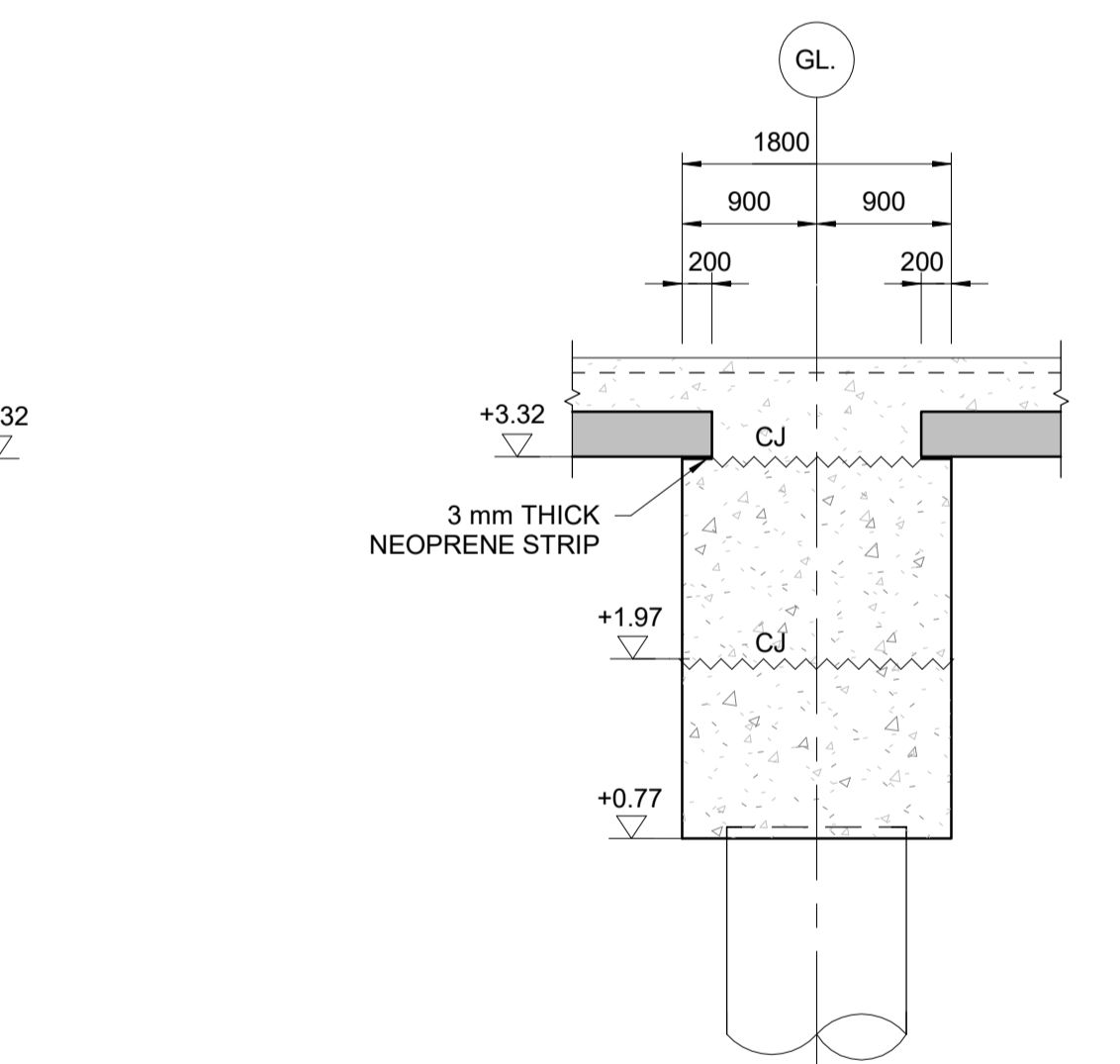
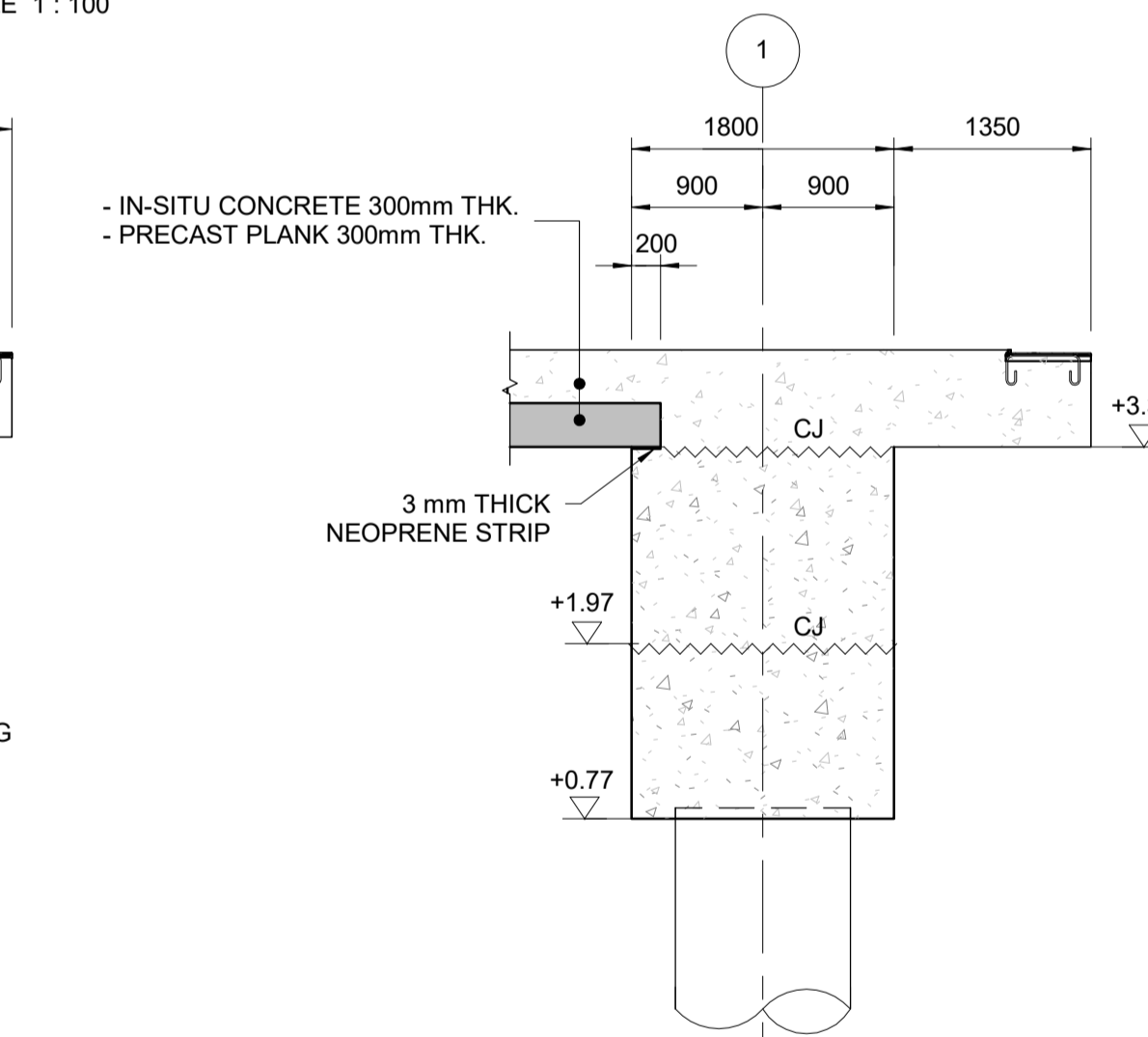
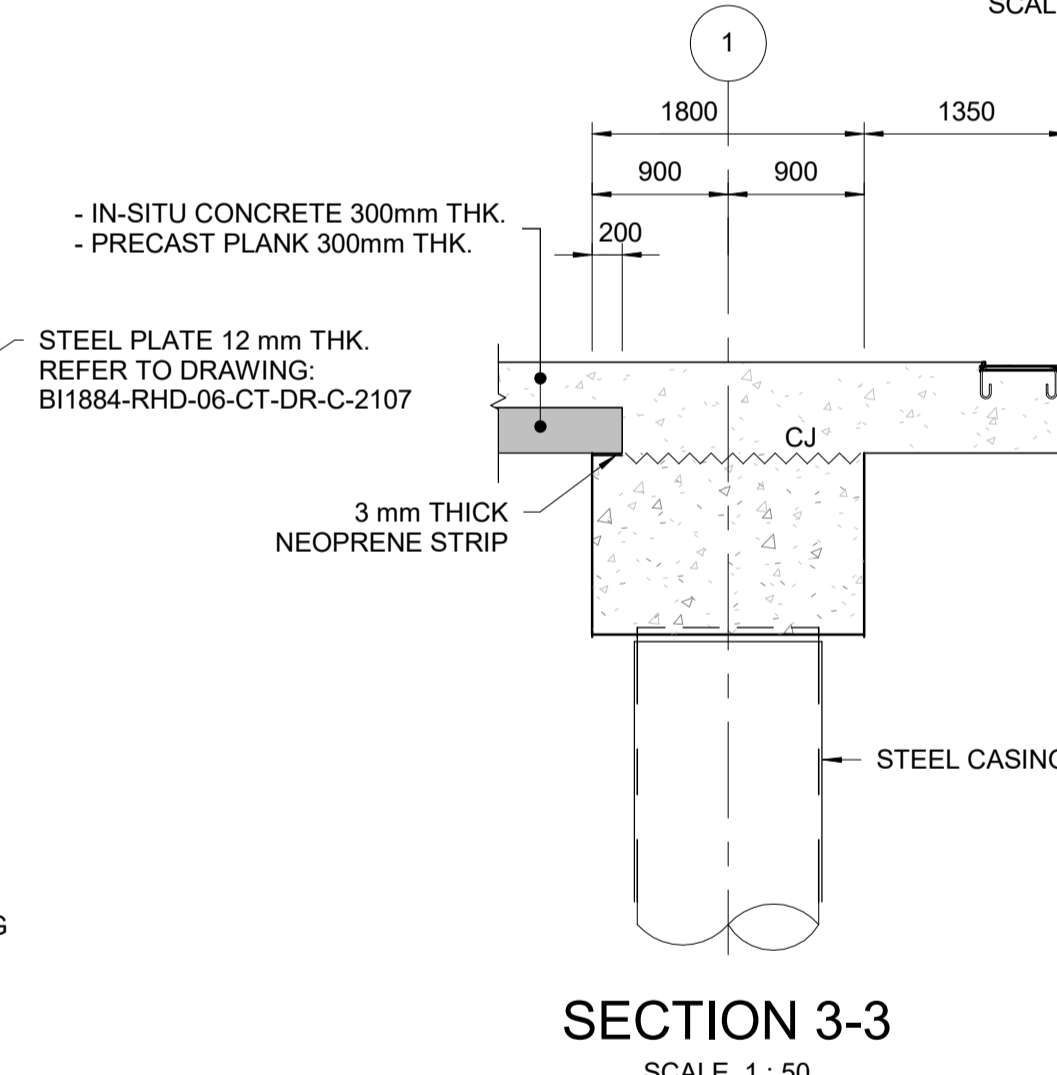
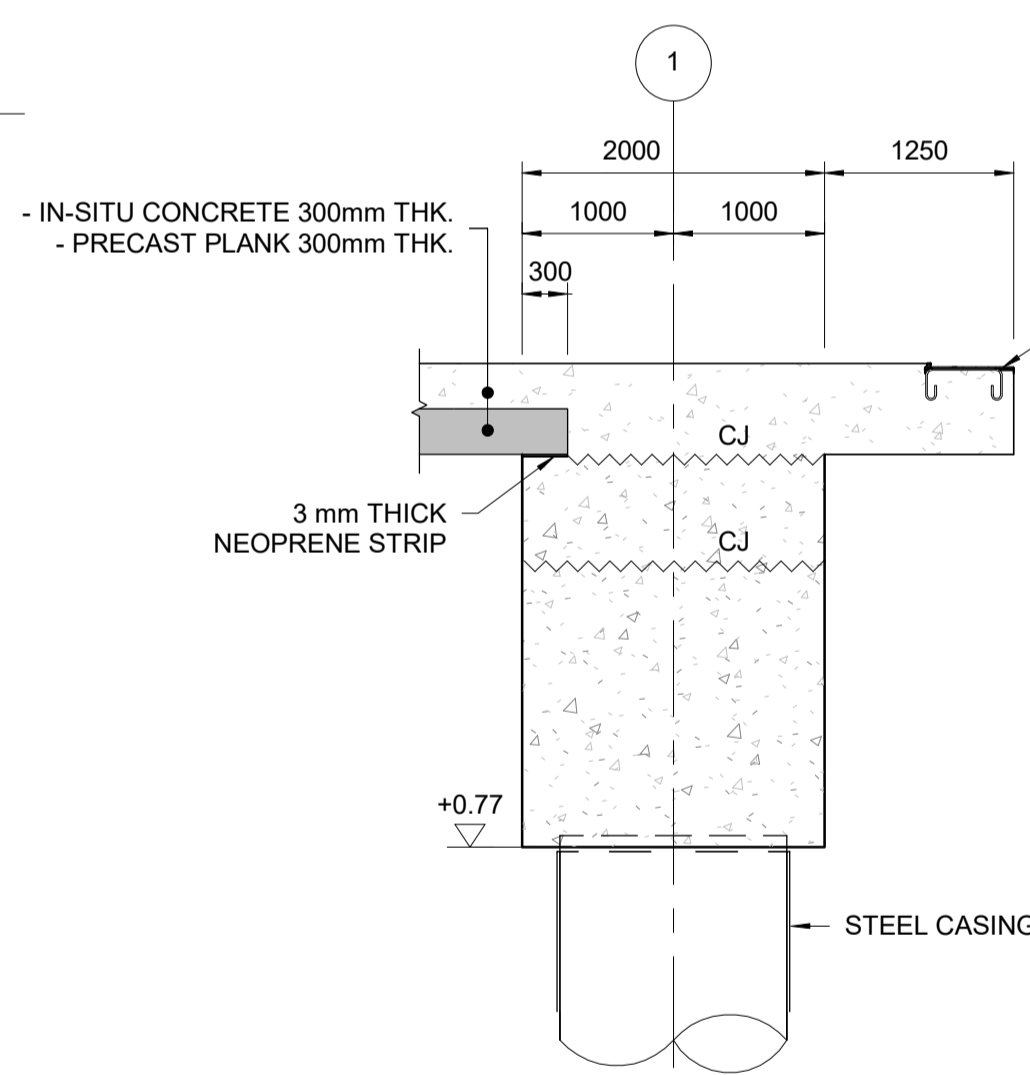
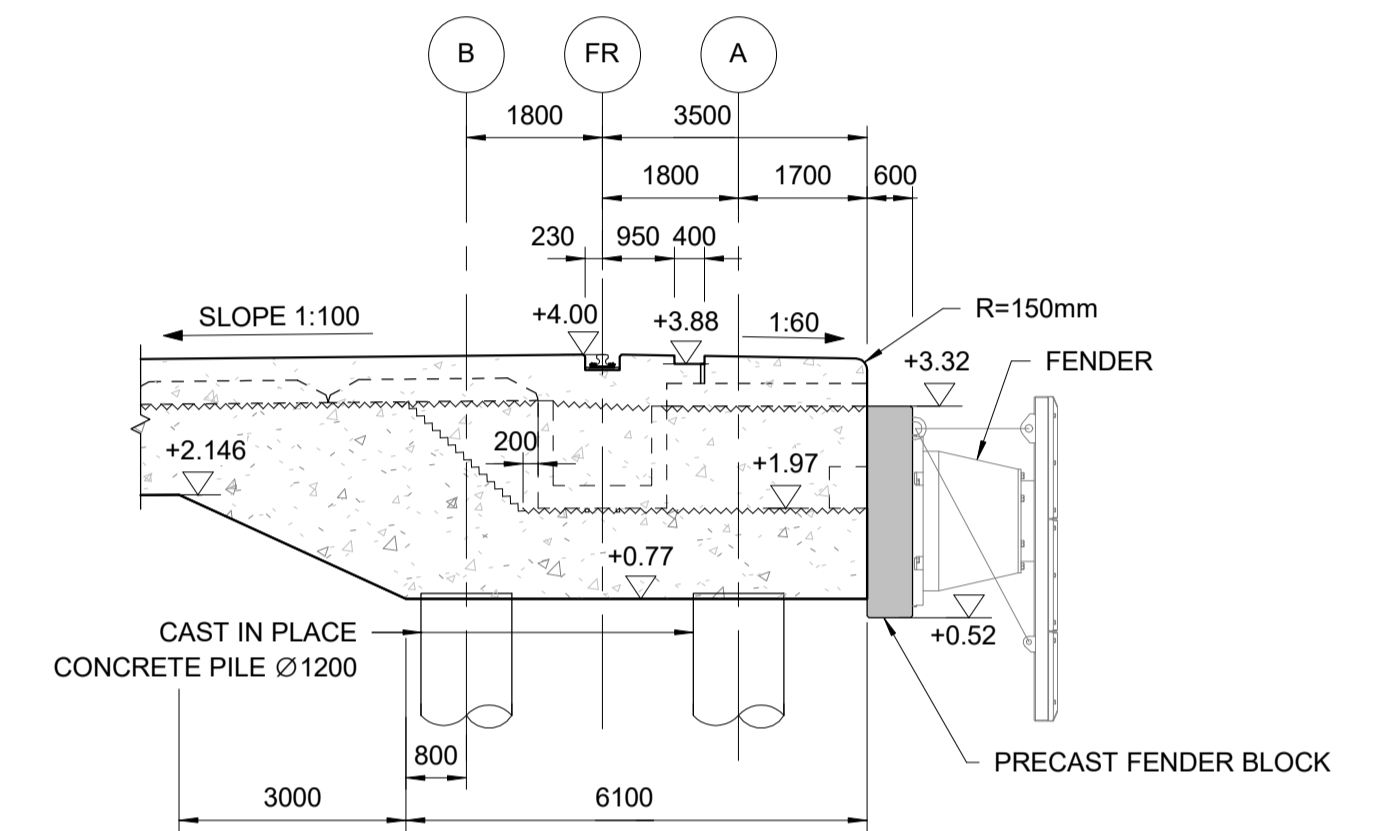
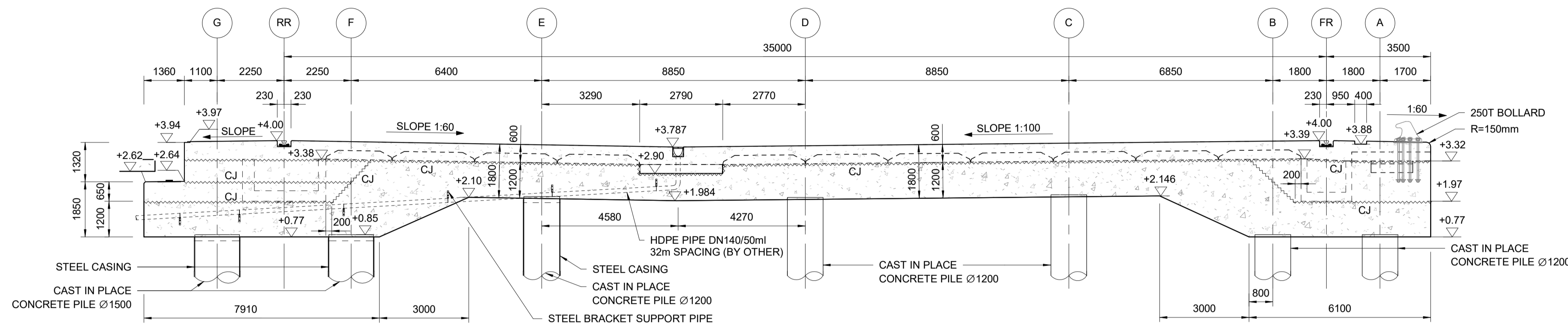
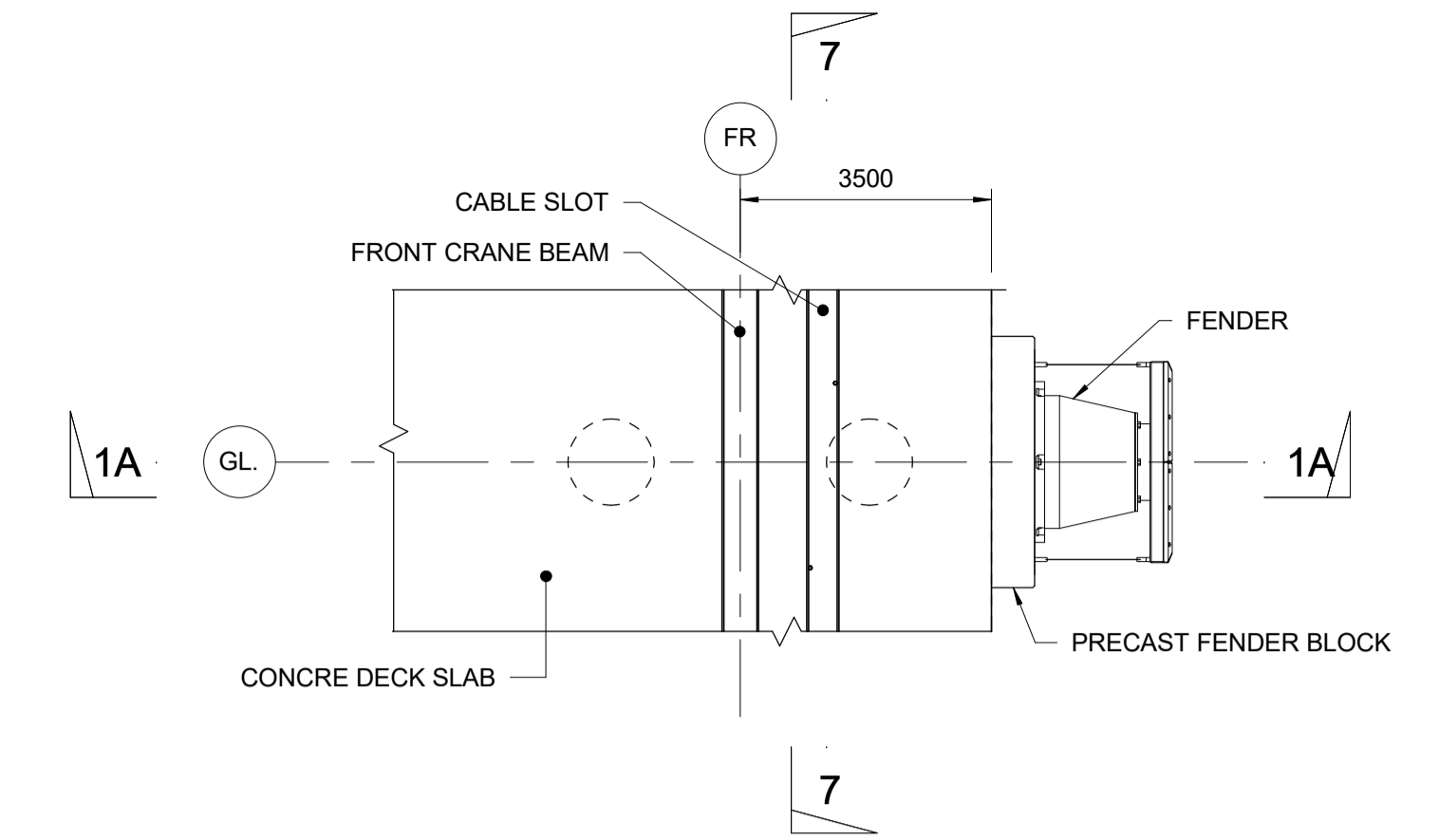
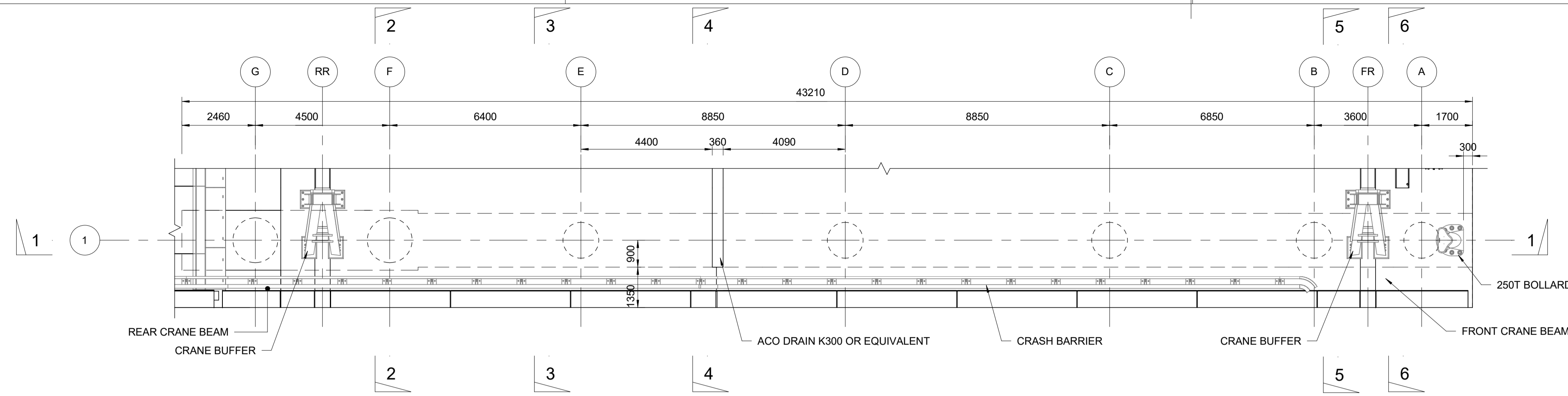
- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 - CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
 - ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
 - ALL PRECAST UNITS TO BE BEDDED ON 3mm THICK NEOPRENE STRIPS 175mm WIDE.
 - MINIMUM CYLINDER STRENGTH OF IN-SITU CONCRETE TO BE 25 MPa BEFORE PLACING PRECAST UNITS.
 - ALLOWABLE LOAD DURING CONSTRUCTION
 - 5 kPa, BEFORE FIRST CASTING OF CONCRETE
 - 1 kPa, DURING CASTING UNTIL CONCRETE STRENGTH IS 25 MPa.

- REFERENCE DRAWINGS:**
- B11884-RHD-06-CT-DR-C-2171 to 2194

NOTE: FENDERS, LADDERS, CRANE RAILS AND CRASH BARRIER NOT SHOWN



<p>Rev. Description/Parshkrim</p> <p>Drawn/ Të vizatuar</p> <p>Checked/ Kontrolluar</p> <p>Approved/ Miratuar</p> <p>Date/ Data</p>	<p>GP</p> <p>IPV</p> <p>AM</p> <p>29-09-2023</p> <p>01-08-2023</p>
<p>abkons</p> <p>ADEC</p> <p>TAULANT shpk</p> <p>GEO ENG</p> <p>Royal HaskoningDHV</p>	<p>Client/Parosidhja: Durrës Port Authority / Autoriteti Portual Durrës</p> <p>Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano</p> <p>Discipline/Disiplina: Offshore - Civil</p>
<p>Phase 1 Layout of PC Slab and Transition Slab Segments 3 & 4</p>	<p>Revision/Rahkrim: P02</p> <p>Drawing Number/Numri i vizatimit: B11884-RHD-06-CT-DR-C-2132</p>



NOTES:

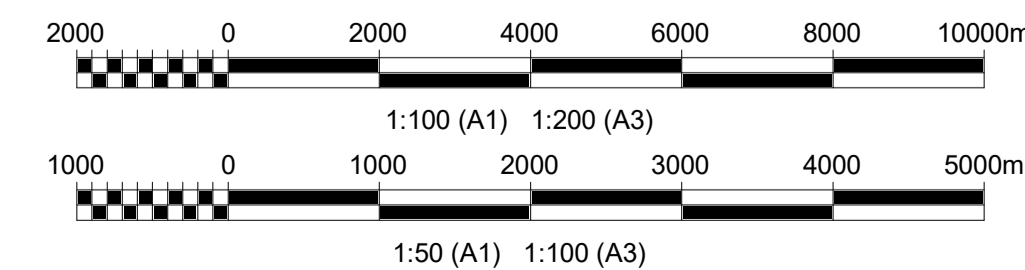
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METERS AND RELATIVE TO CHART DATUM (CD).
- CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
- ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
- MINIMUM CYLINDER STRENGTH OF IN-SITU CONCRETE TO BE 25 MPa BEFORE PLACING THE PC PLANKS.
- ALL PRECAST UNITS TO BE BEDDED ON 3mm THICK NEOPRENE STRIPS 175mm WIDE.
- ALLOWABLE LOAD DURING CONSTRUCTION
 - 5 kPa, BEFORE FIRST CASTING OF CONCRETE
 - 1 kPa, DURING CASTING UNTIL CONCRETE STRENGTH IS 25 MPa.

REFERENCE DRAWINGS:

- BI1884-RHD-06-CT-DR-C-2061 & 2062
- BI1884-RHD-06-CT-DR-C-2021
- BI1884-RHD-06-CT-DR-C-2101 to 2112
- BI1884-RHD-06-CT-DR-C-2121 to 2122

LEGEND:

~~~~~ : CONSTRUCTION JOINT (CJ)



|          |                       |                    |                      |                    |            |
|----------|-----------------------|--------------------|----------------------|--------------------|------------|
| Rev. 001 | FINAL SUBMISSION      | GP                 | PV                   | AM                 | 20-09-2023 |
| Rev. 002 | FOR REVIEW            | NN                 | PV                   | AM                 | 01-08-2023 |
| Rev. 003 | Description/Periskrim | Drawn/ Te vizatuar | Checked/ Kontrolluar | Approved/ Miratuar | Date/ Data |

|                                                     |                                           |                                            |                                            |                                                         |
|-----------------------------------------------------|-------------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------------------|
| <b>abkons</b><br>LOCAL KNOWLEDGE. GLOBAL STANDARDS. | <b>ADEC</b><br>ARCHITECTURE & ENGINEERING | <b>TAULANT shpk</b><br>DESIGN & SUPERVISOR | <b>GEO ENG</b><br>GEOTECHNICAL ENGINEERING | <b>Royal HaskoningDHV</b><br>Enhancing Society Together |
|-----------------------------------------------------|-------------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------------------|

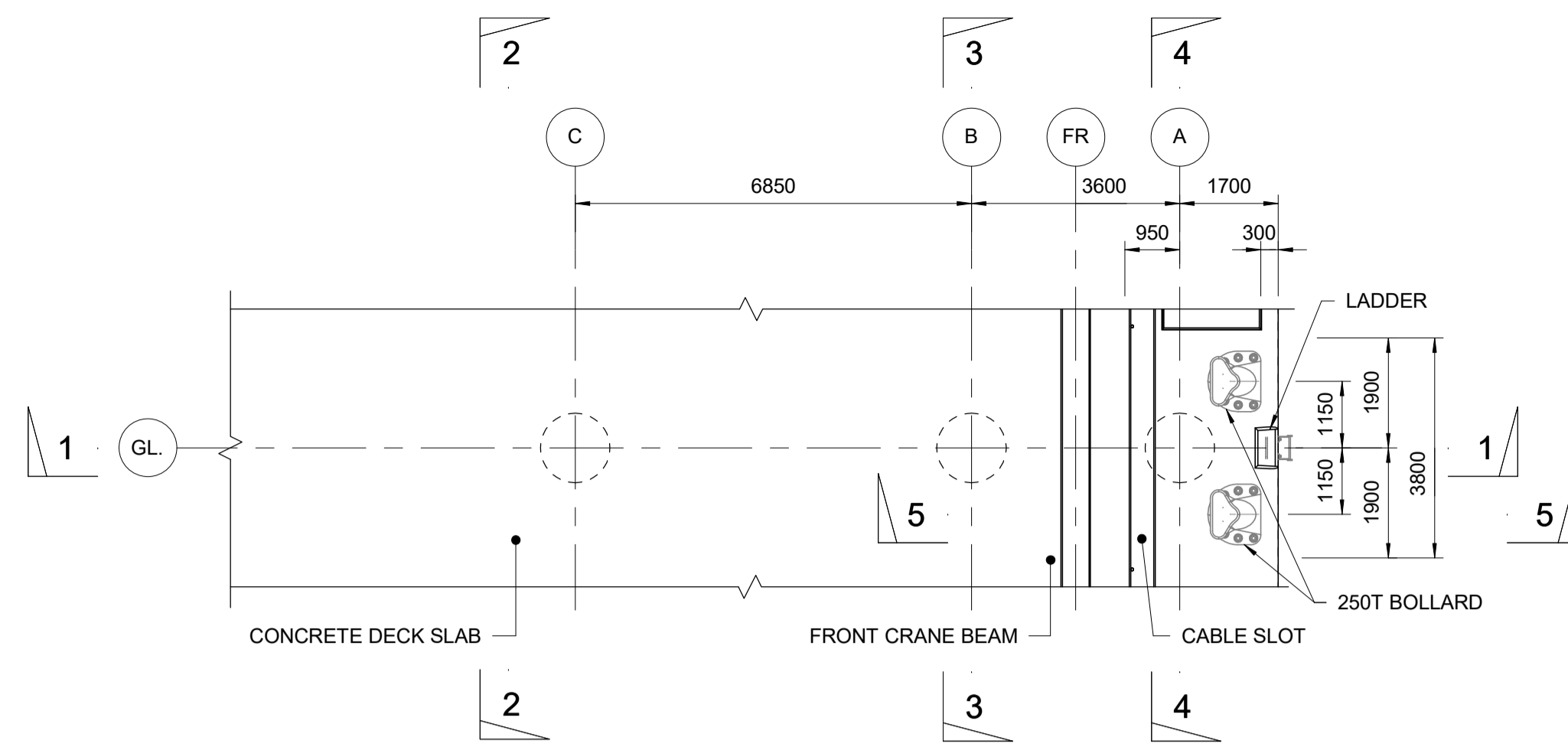
Client/Parasiteti: Durrës Port Authority / Autoriteti Portual Durrës  
 Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano

Discipline/Disiplina: Offshore - Civil

Phase/ Fazat: Phase 1 / Transverse Beams TB1, TB3 / General Details

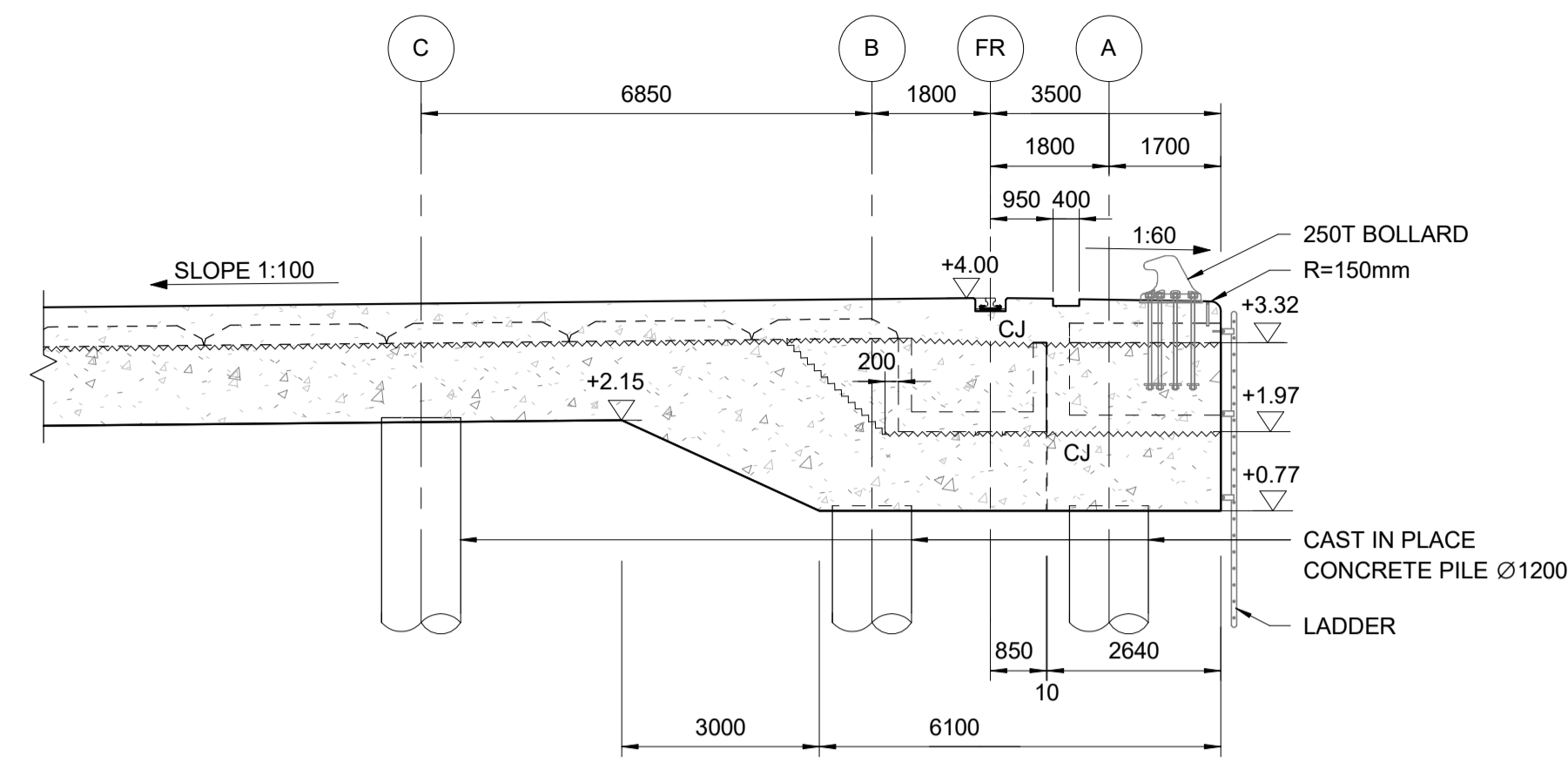
Revision/Revizimi: P02

Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2141



TRANSVERSE BEAM TB2 (DOUBLE BOLLARD)

SCALE 1 : 100



SECTION 1-1

SCALE 1 : 100

NOTES:

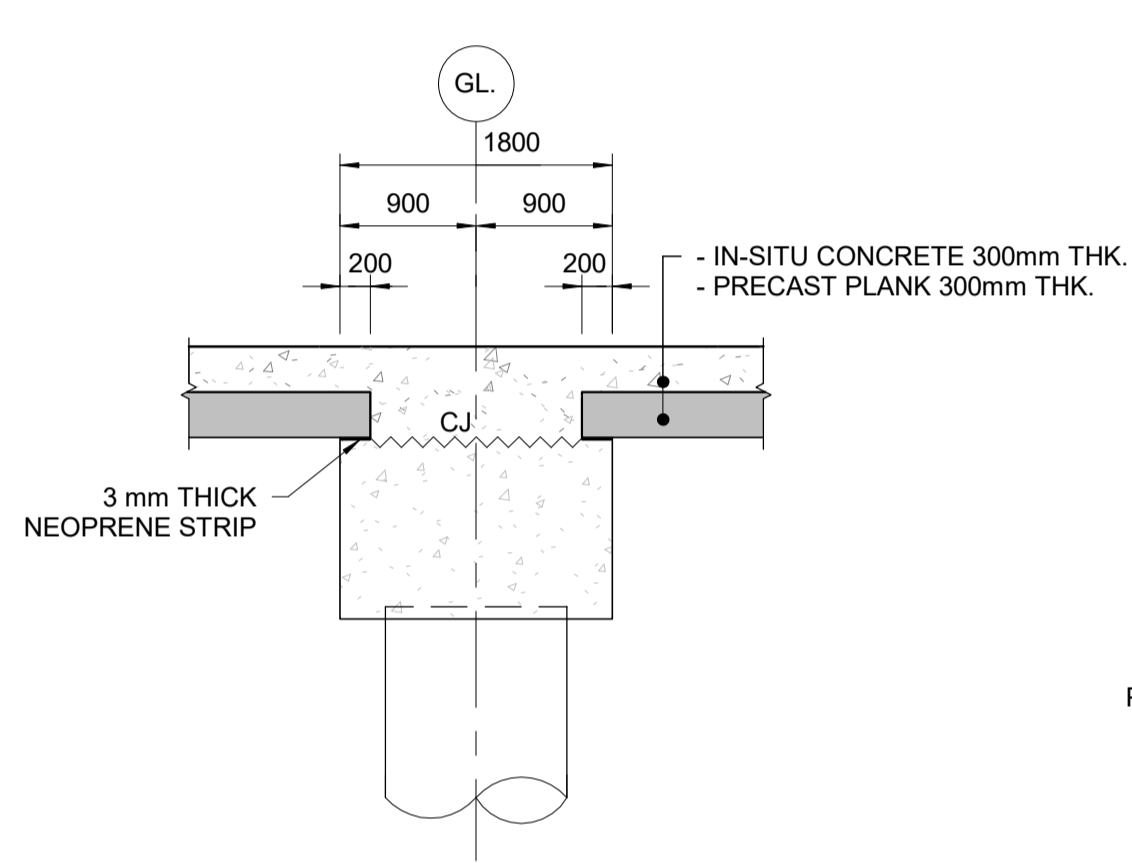
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METERS AND RELATIVE TO CHART DATUM (CD).
3. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
4. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
5. MINIMUM CYLINDER STRENGTH OF IN-SITU CONCRETE TO BE 25 MPa BEFORE PLACING THE PC PLANKS.
6. ALL PRECAST UNITS TO BE BEDDED ON 3mm THICK NEOPRENE STRIPS 175mm WIDE.
7. ALLOWABLE LOAD DURING CONSTRUCTION
  - 5 kPa, BEFORE FIRST CASTING OF CONCRETE
  - 1 kPa, DURING CASTING UNTIL CONCRETE STRENGTH IS 25 MPa.

REFERENCE DRAWINGS:

1. BI1884-RHD-06-CT-DR-C-2061 & 2062
2. BI1884-RHD-06-CT-DR-C-2021
3. BI1884-RHD-06-CT-DR-C-2101 to 2112
4. BI1884-RHD-06-CT-DR-C-2121 to 2122

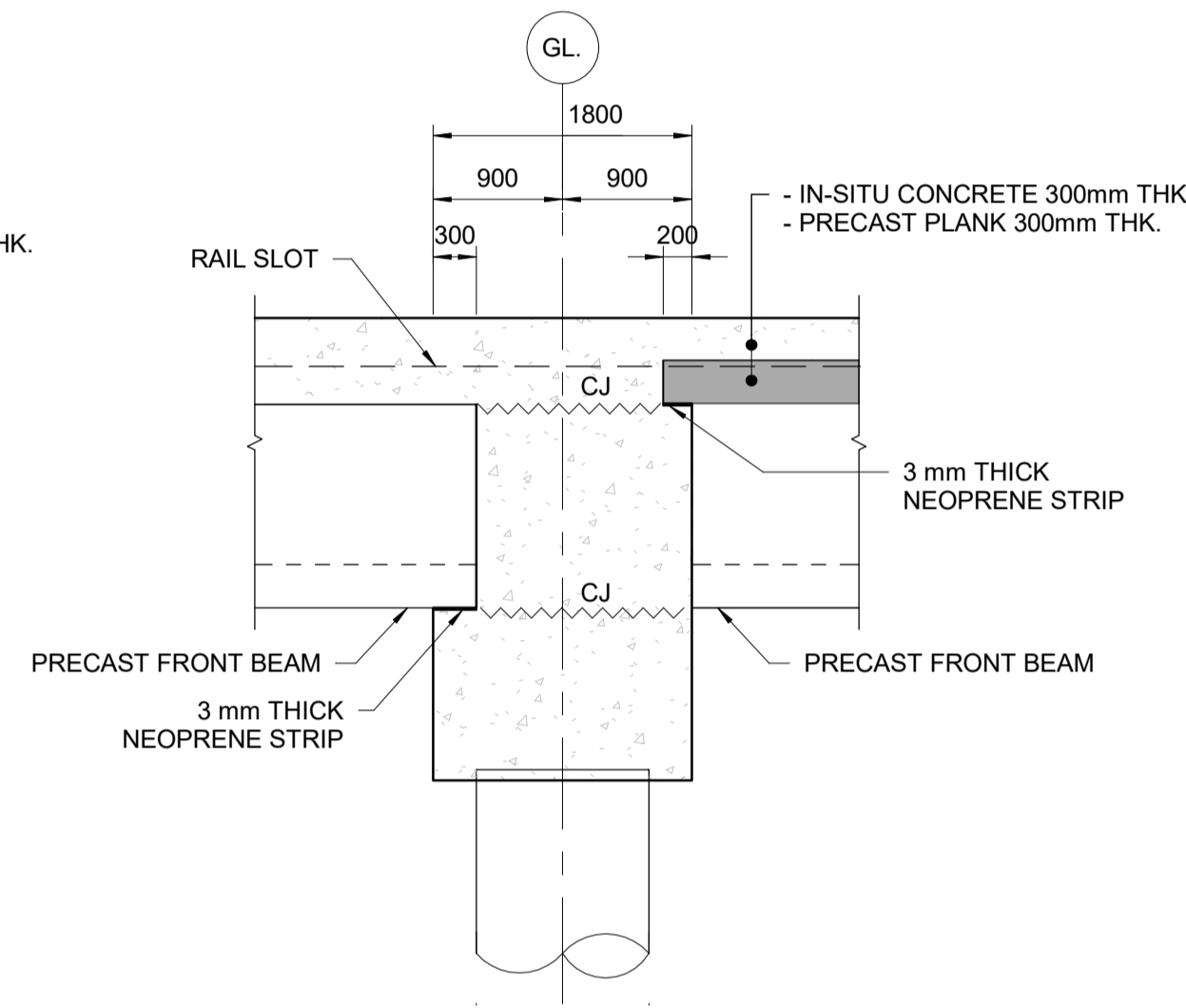
LEGEND:

~~~~~ : CONSTRUCTION JOINT (CJ)



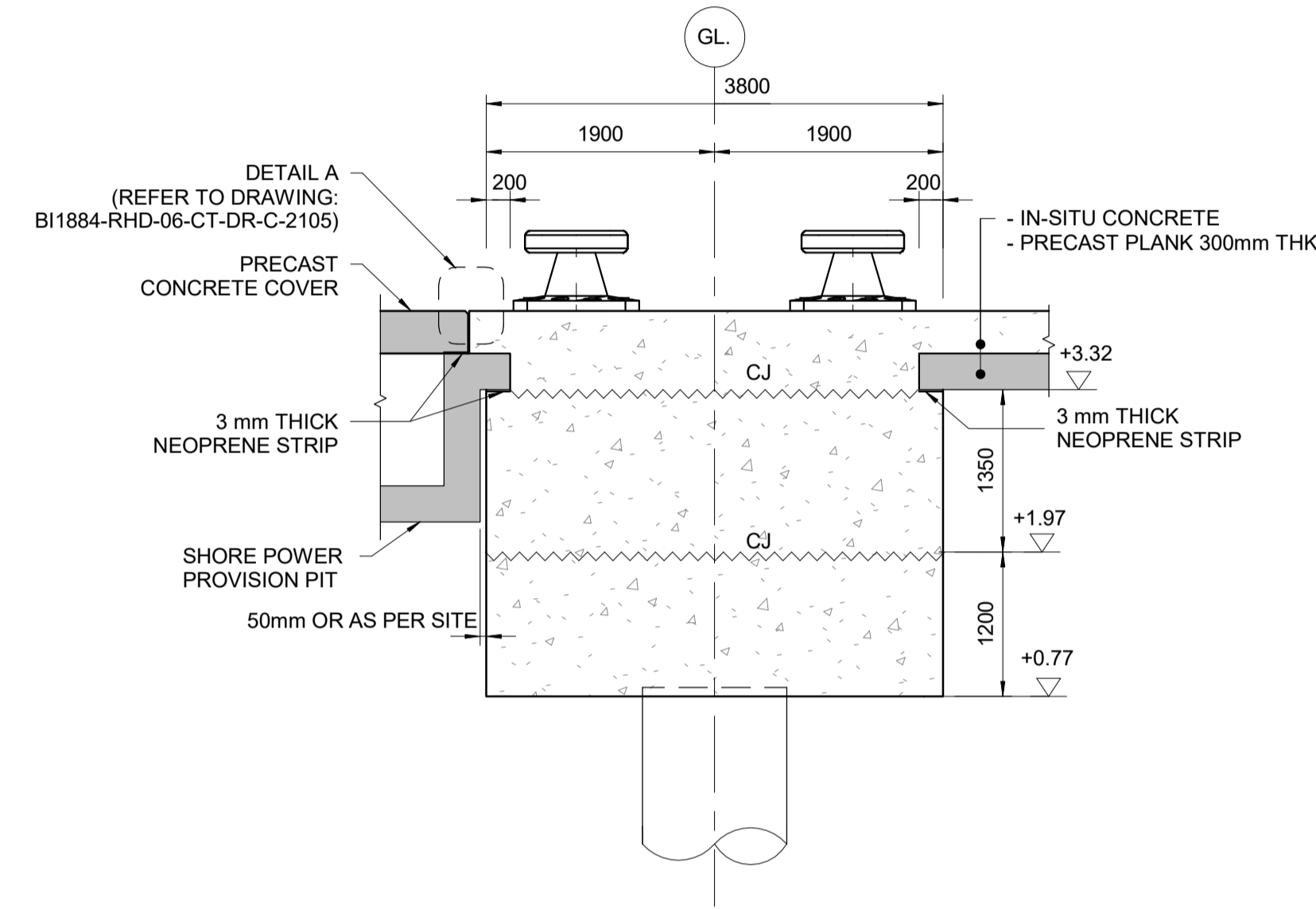
SECTION 2-2

SCALE 1 : 50



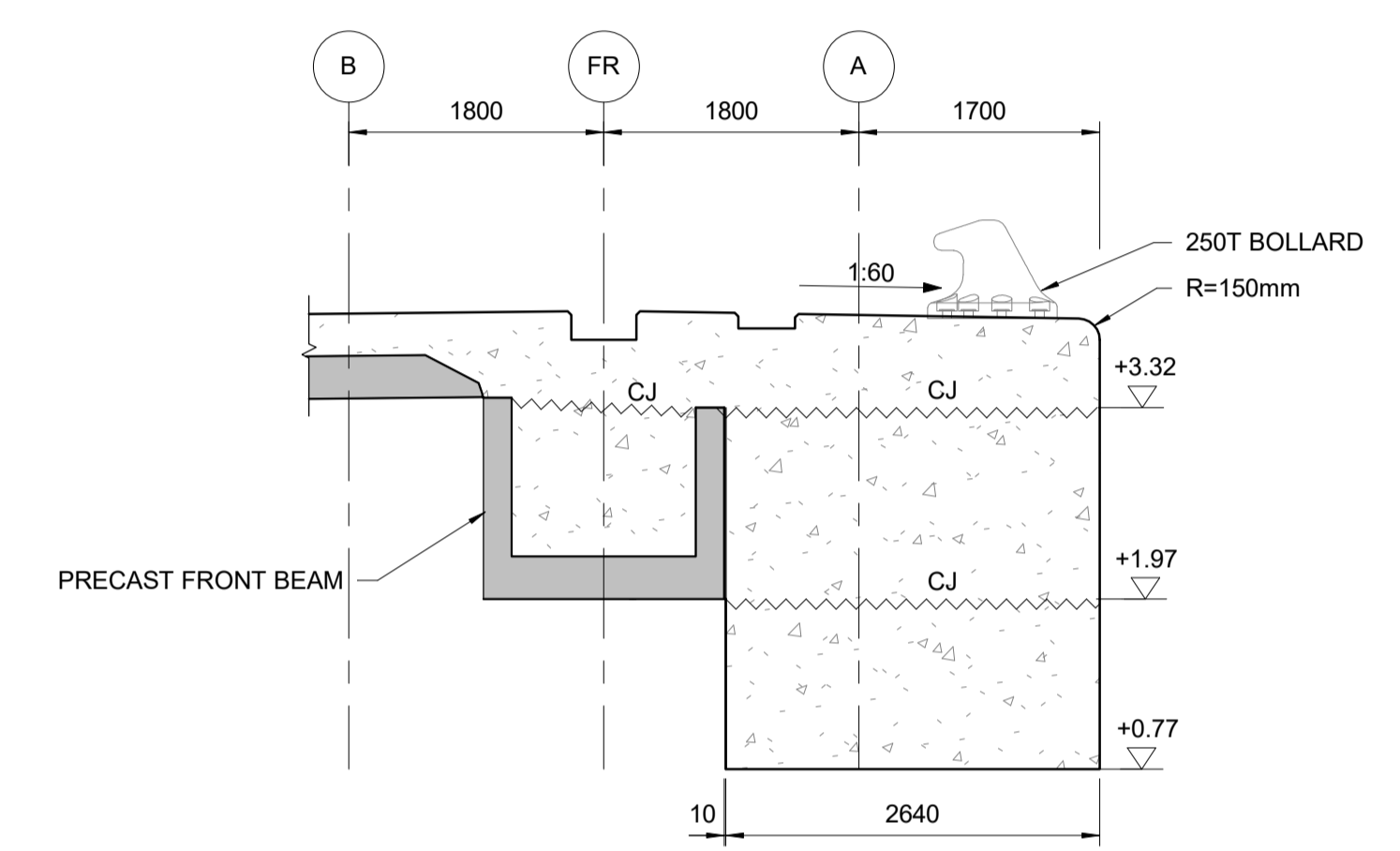
SECTION 3-3

SCALE 1 : 50



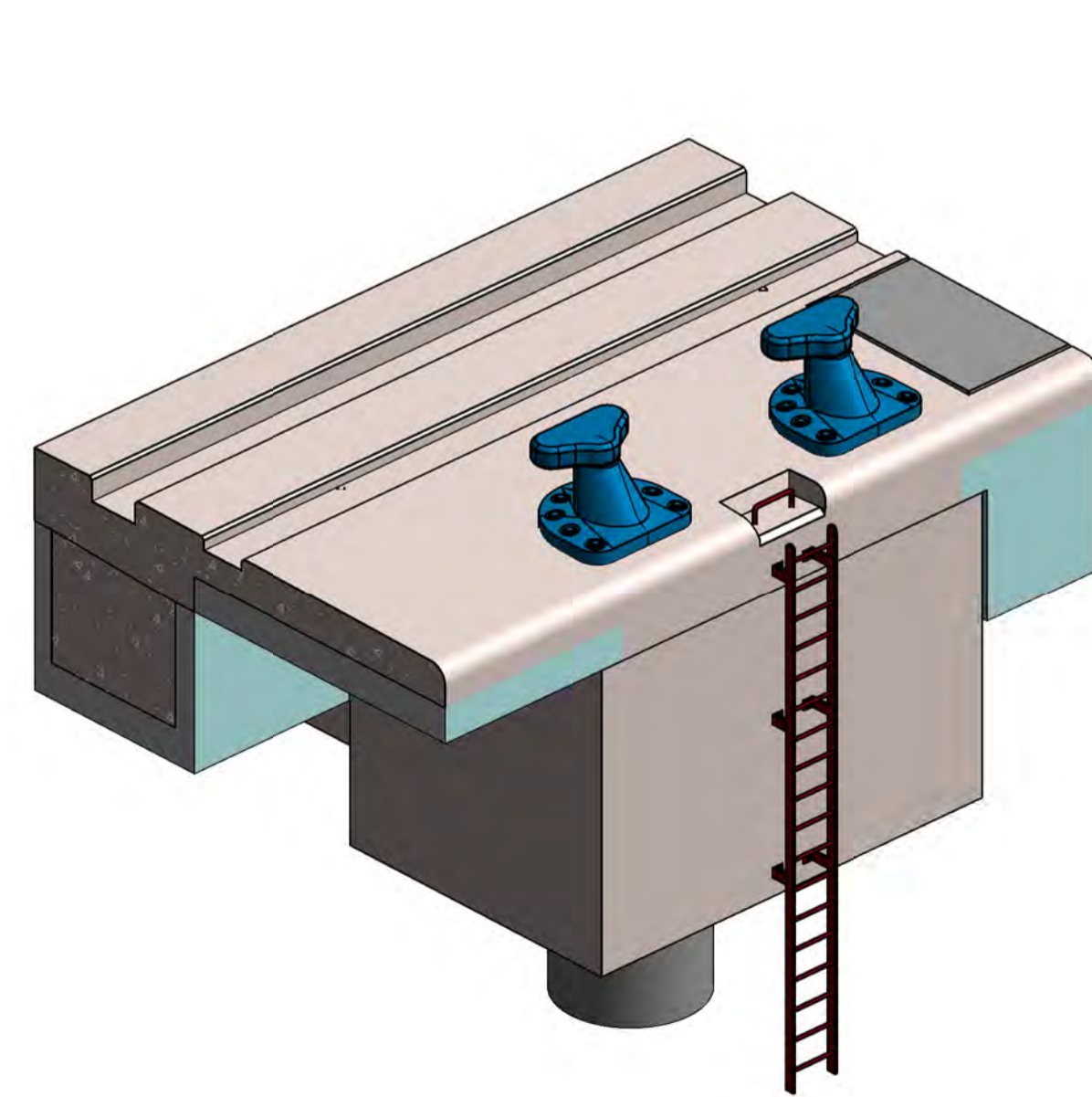
SECTION 4-4

SCALE 1 : 50

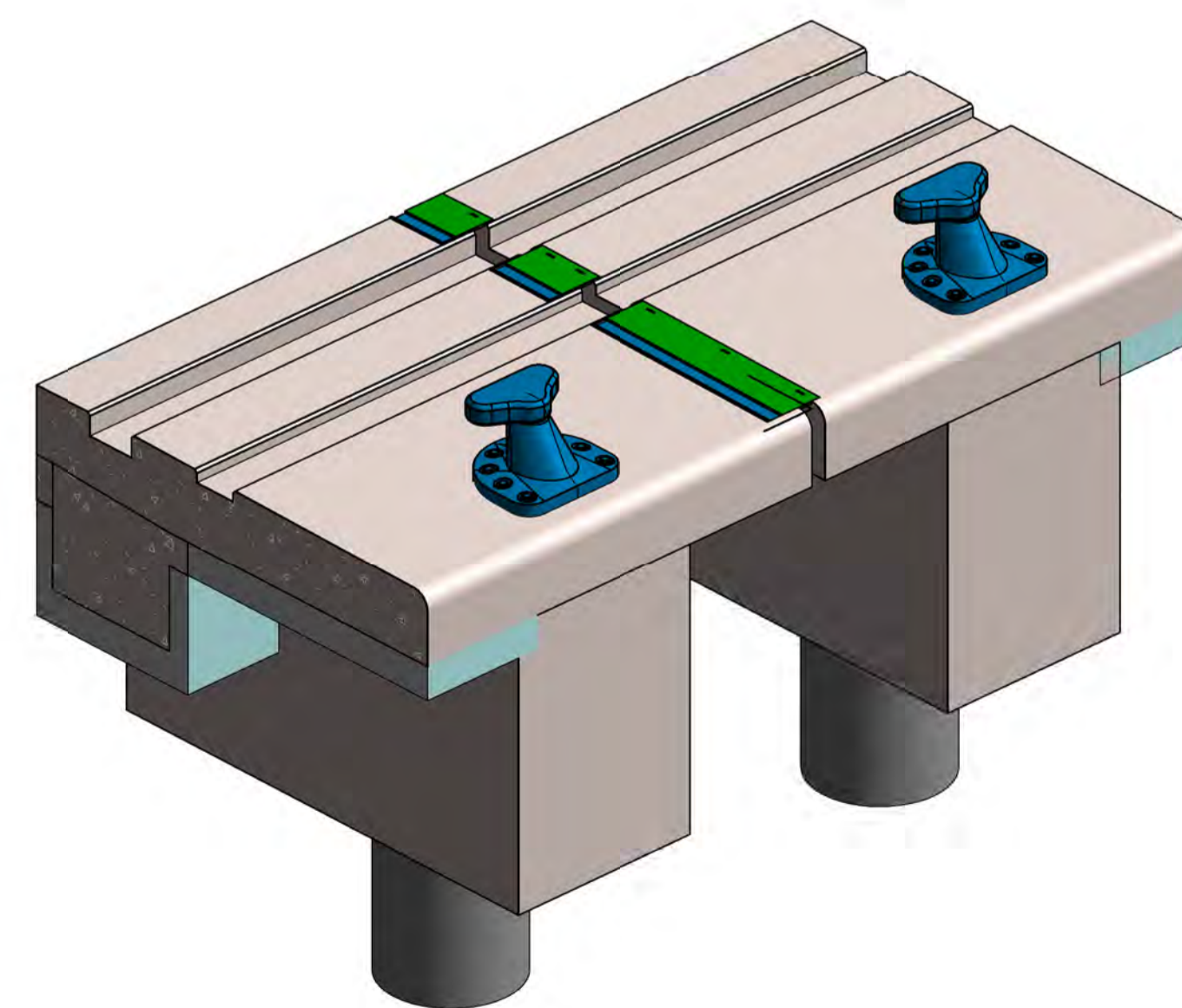


SECTION 5-5

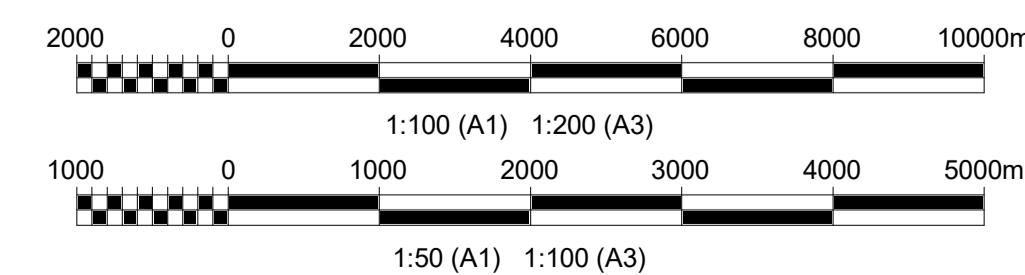
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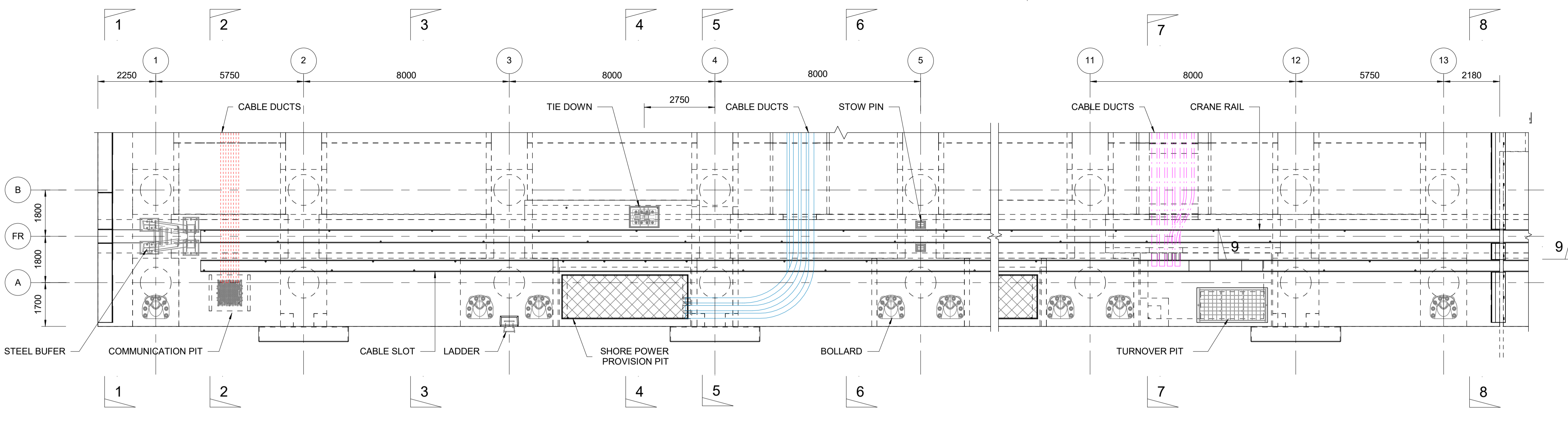
PERSPECTIVE - DOUBLE BOLLARDS



PERSPECTIVE - SINGLE BOLLARD



| | | | | | | | |
|---|-------------------|----------------------|------------------|---|----------------------------|----------|------------|
| Rev. | NO. | DESCRIPTION/REVISION | DATE | DESIGNED | CHECKED | APPROVED | DATE |
| P02 | 01 | FINAL SUBMISSION | 25-08-2023 | AM | AM | AM | 25-08-2023 |
| P01 | 00 | FOR REVIEW | 01-08-2023 | AM | AM | AM | 01-08-2023 |
| Rev. | Drawn/Te vizatuar | Checked/Kontrolluar | Approved/Miratar | Date/Date | | | |
| | | | | | | | |
| Client/Porositësi
DURRËS PORT AUTHORITY / Autoriteti Portual Durrës | | | | Design Object/Objekt projektimi
Container Terminal | | | |
| Project/Projekti
Integrated Port of Durrës in Porto Romano
Porti i integruar i Durrësit në Porto Romano | | | | Discipline/Disiplina
Offshore - Civil | | | |
| Title/Titulli
Phase 1
Transverse Beam TB2
General Details | | | | Revision/Rahkimi
P02 | | | |
| Scale/Shekulli | Phase/Faza | Sheet/Numri | of nga | Drawing Number/Numri i vizatimit | | | |
| A1 | As indicated | Detailed Design | 1 | 1 | BI1884-RHD-06-CT-DR-C-2142 | | |



NOTE: FENDERS NOT SHOWN

TYPICAL FRONT CRANE BEAM - PLAN VIEW

SCALE 1:100

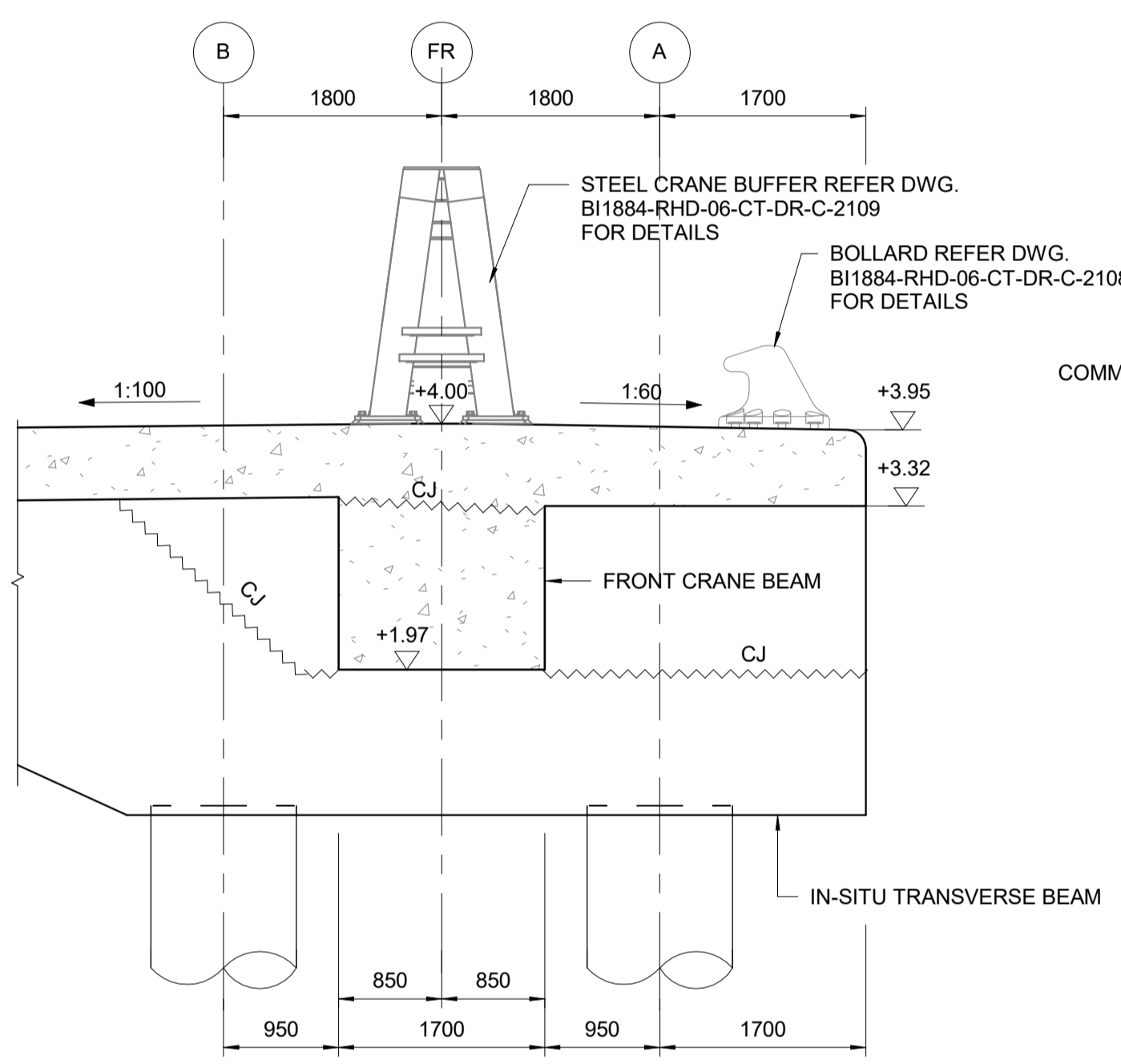
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METERS AND RELATIVE TO CHART DATUM (CD).
 3. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
 4. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
 5. MINIMUM CYLINDER STRENGTH OF IN-SITU CONCRETE TO BE 25 MPa BEFORE PLACING PRECAST UNITS.
 6. ALL PRECAST UNITS TO BE BEDDED ON 3mm THICK NEOPRENE STRIPS 175mm WIDE.
 7. THE RECESSES OF THE CRANE RAILS AND TIE DOWNS SHOULD BE INITIALLY FILLED WITH LOW GRADE CONCRETE OR OTHER SIMILAR MATERIAL FOR PHASE 1 INITIAL WHEN STS CRANES ARE NOT USED / INSTALLED AT THE BERTHS.
 8. ALLOWABLE LOAD DURING CONSTRUCTION
 - 5 kPa, BEFORE FIRST CASTING OF CONCRETE
 - 1 kPa, DURING CASTING UNTIL CONCRETE STRENGTH IS 25 MPa.

REFERENCE DRAWINGS:

1. BI1884-RHD-06-CT-DR-C-2031 to 2032
2. BI1884-RHD-06-CT-DR-C-2101 to 2112
3. BI1884-RHD-06-CT-DR-C-2151, 2152

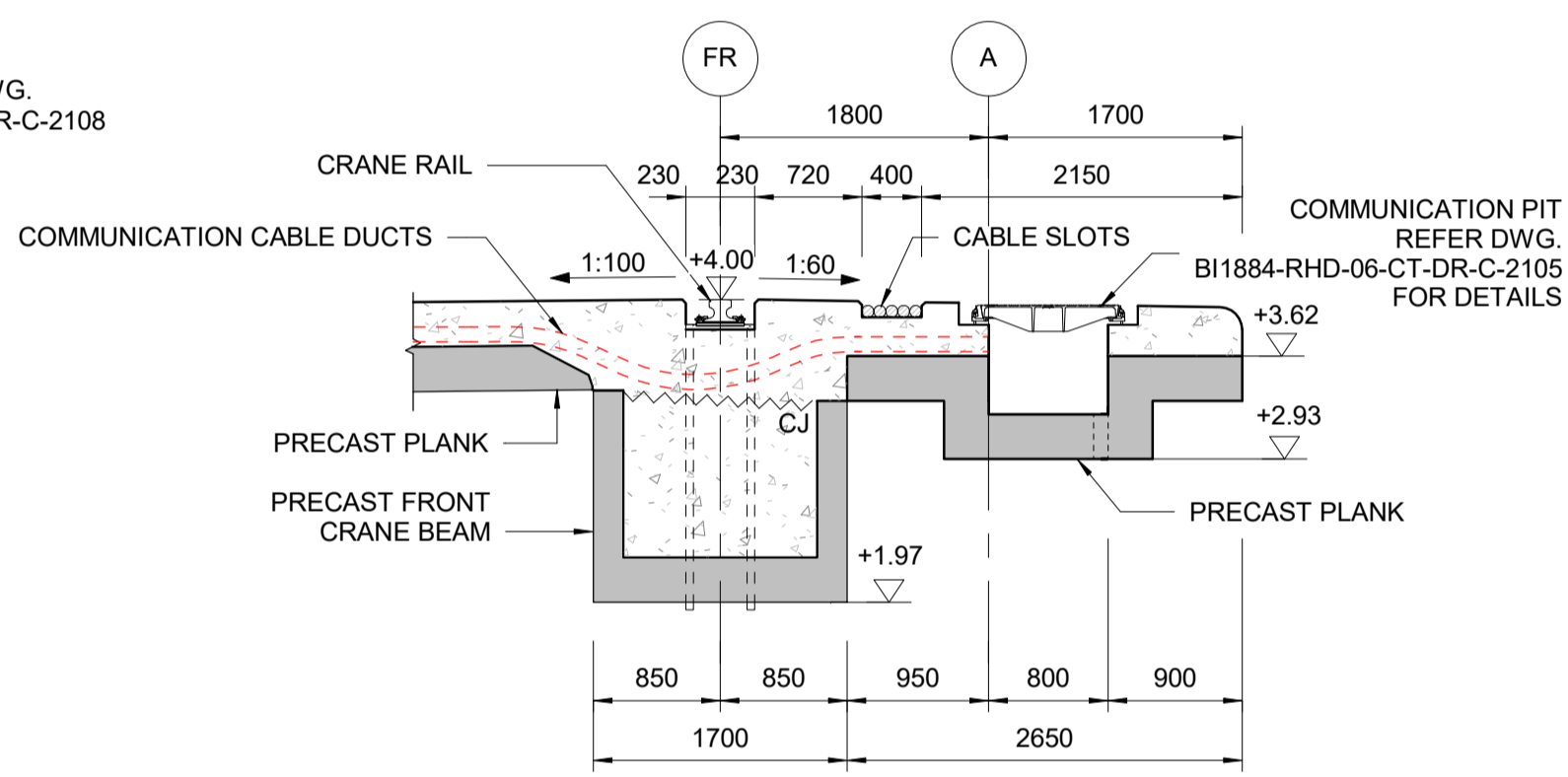
LEGEND:

~~~~~ : CONSTRUCTION JOINT (CJ)



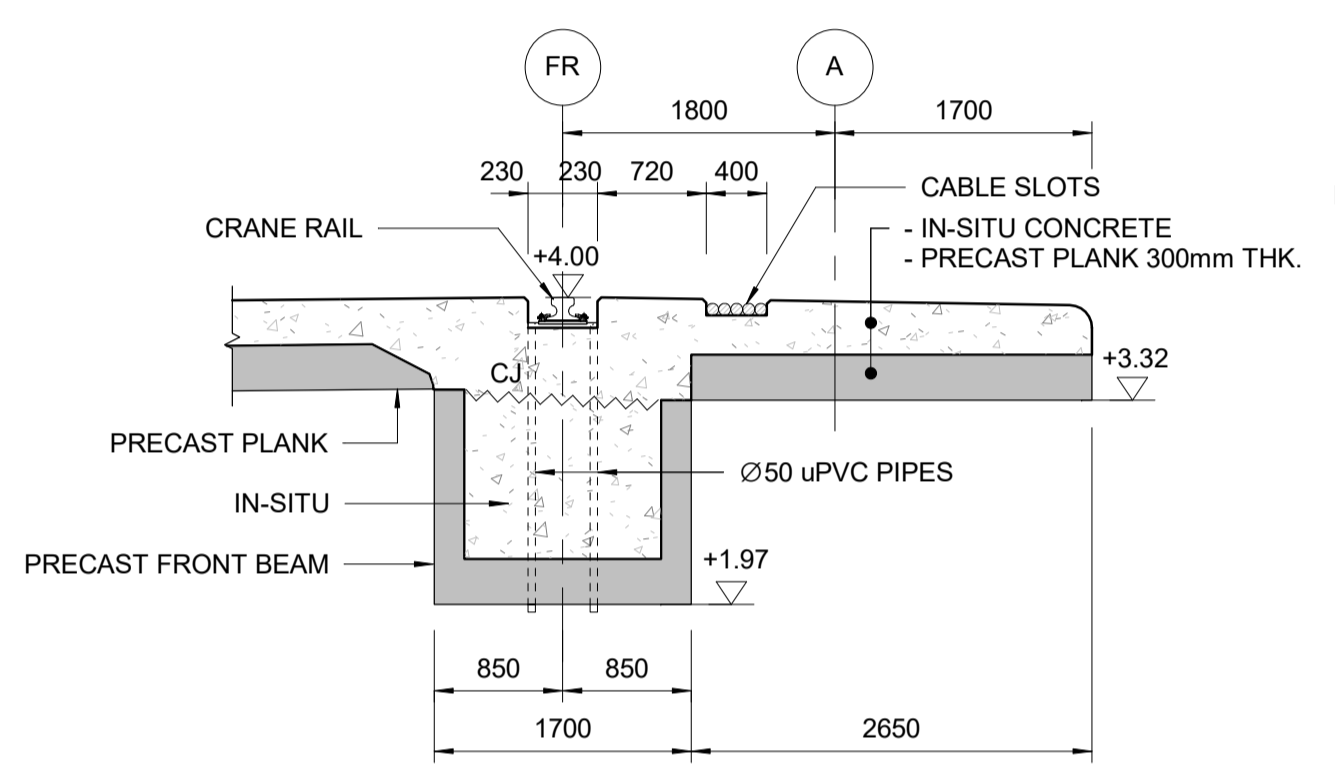
**SECTION 1-1**

SCALE 1:50



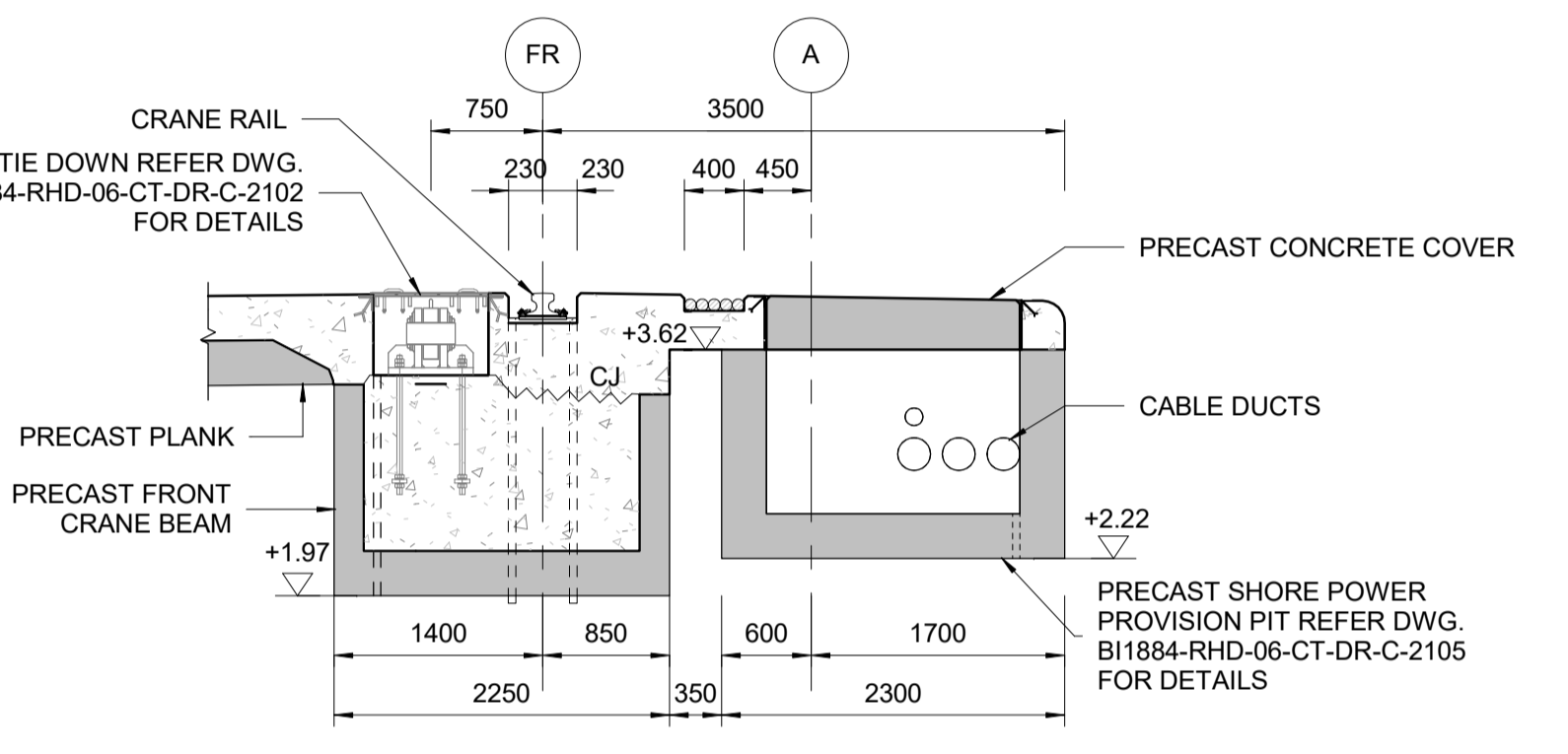
**SECTION 2-2**

SCALE 1:50



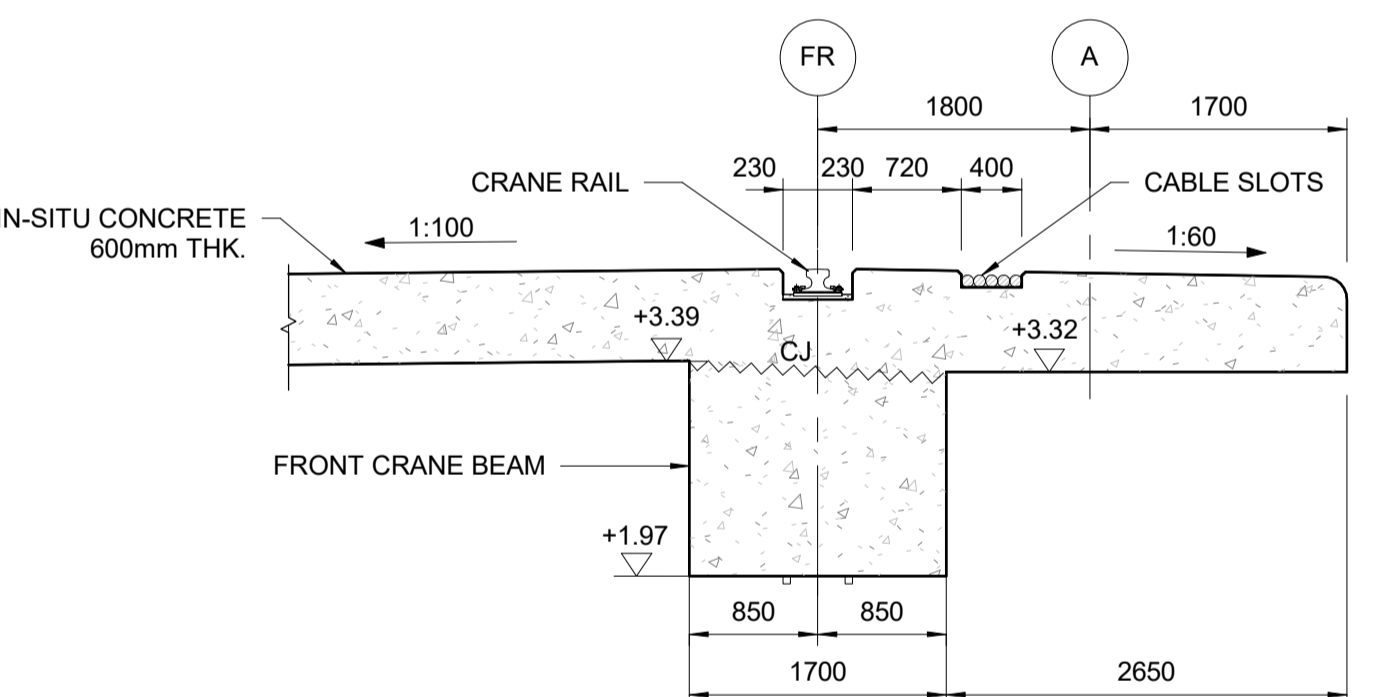
**SECTION 3-3**

SCALE 1:50



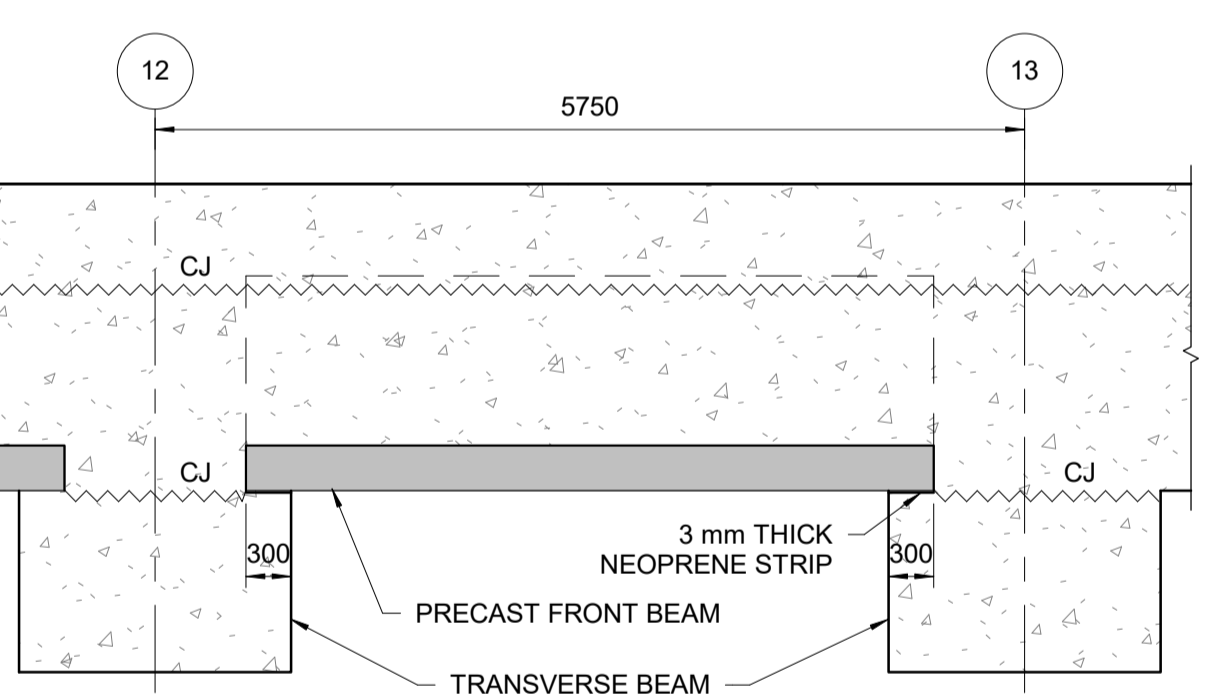
**SECTION 4-4**

SCALE 1:50



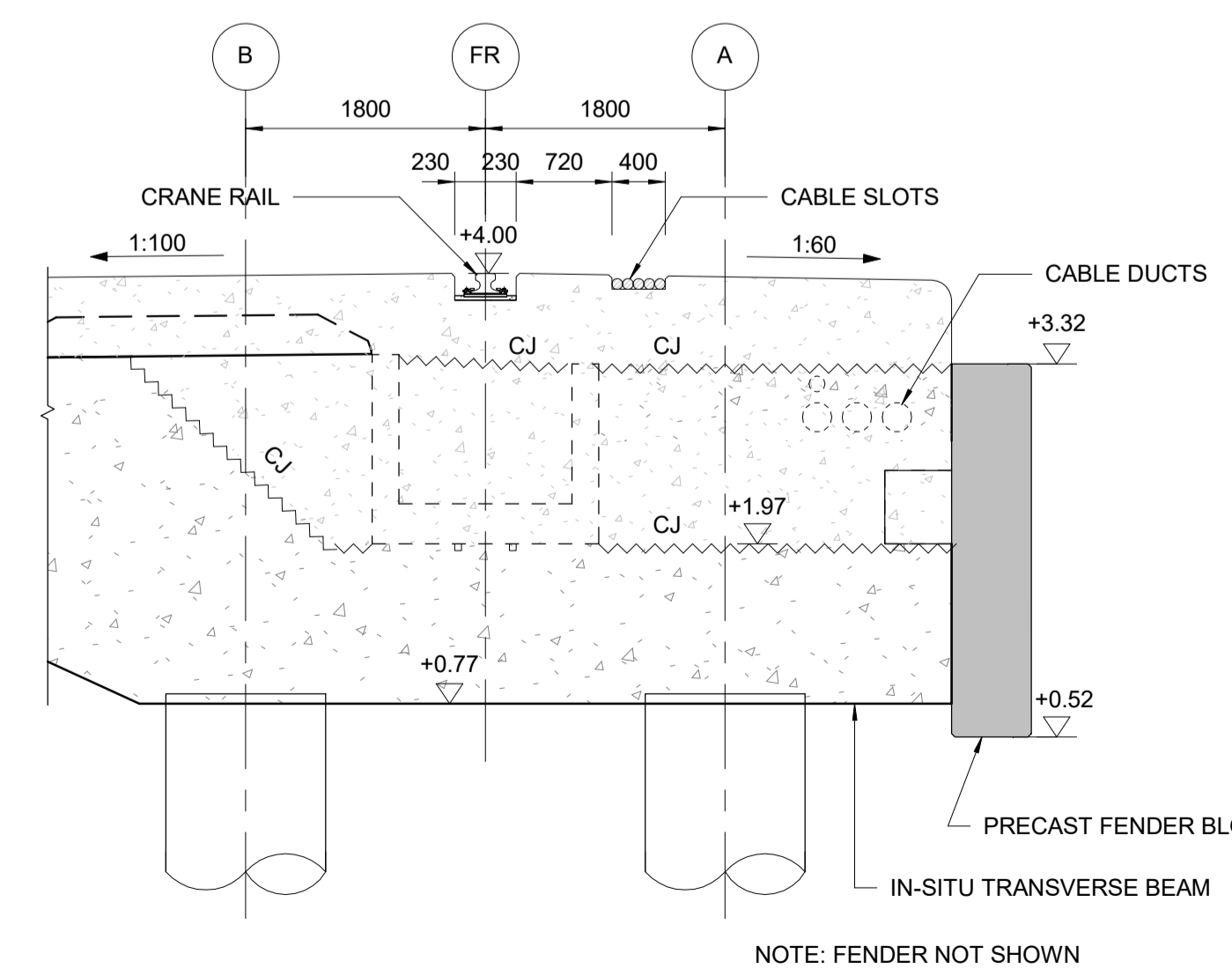
**SECTION 8-8**

SCALE 1:50



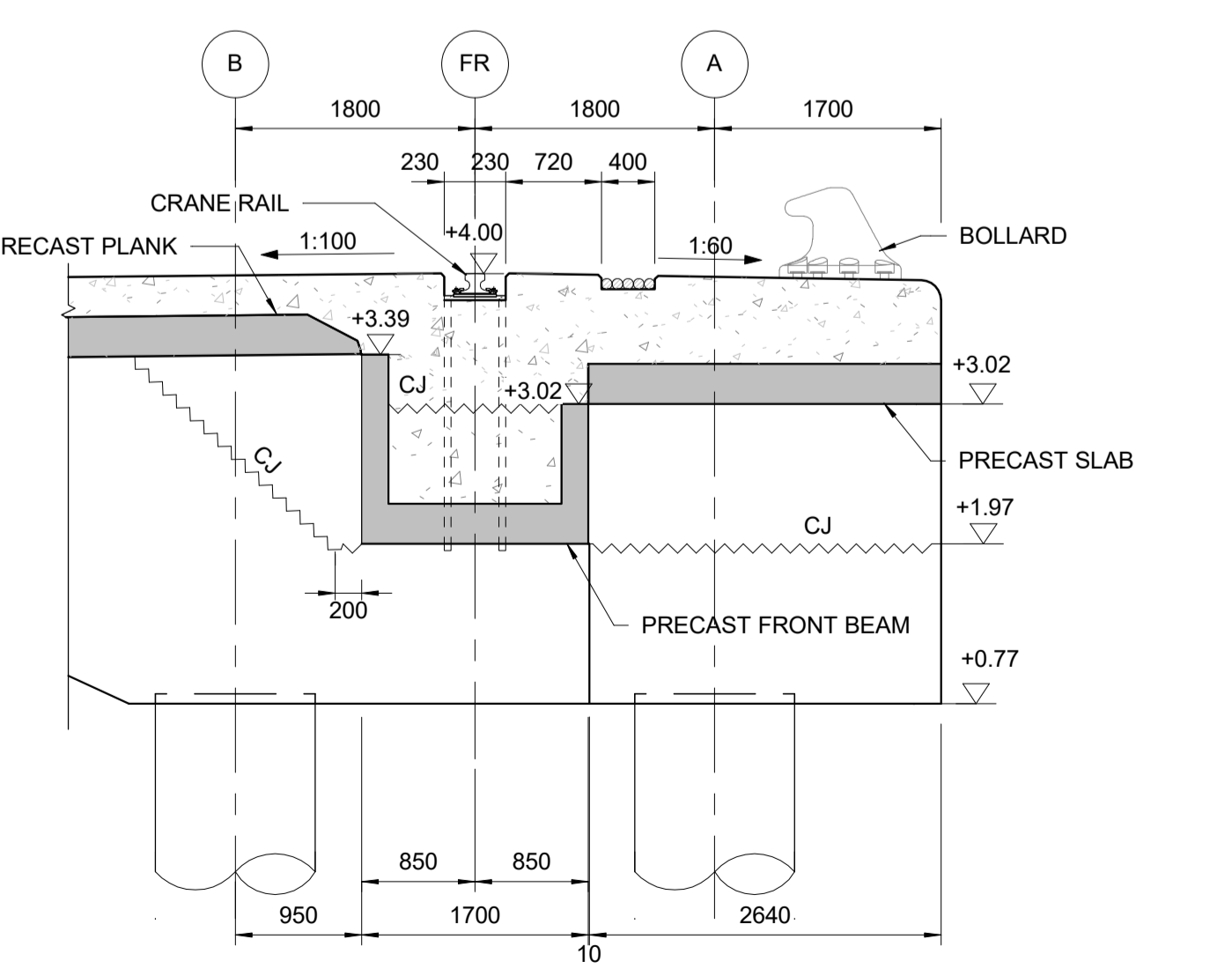
**SECTION 9-9**

SCALE 1:50



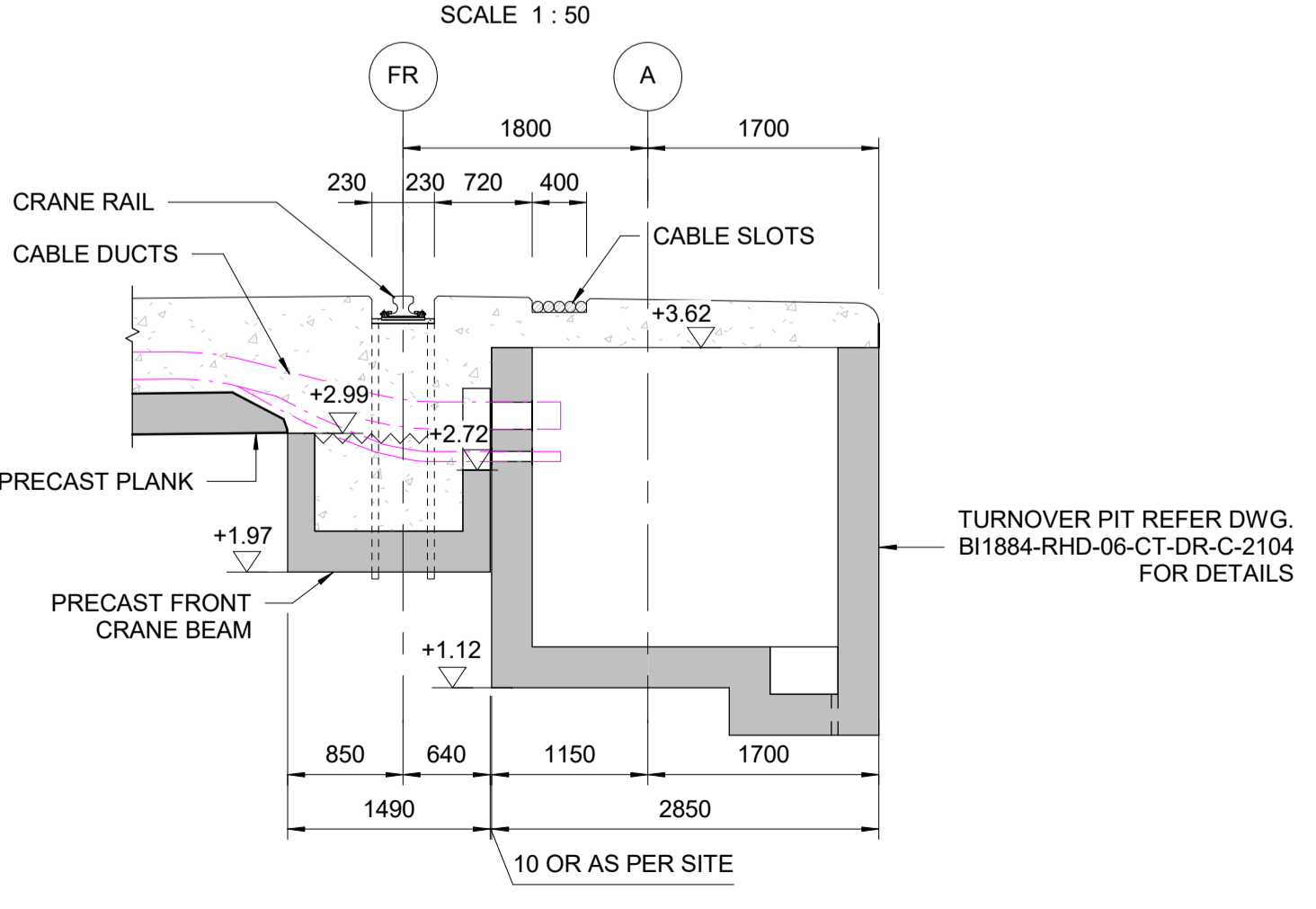
**SECTION 5-5**

SCALE 1:50



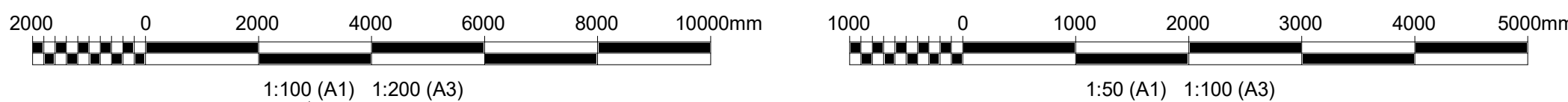
**SECTION 6-6**

SCALE 1:50

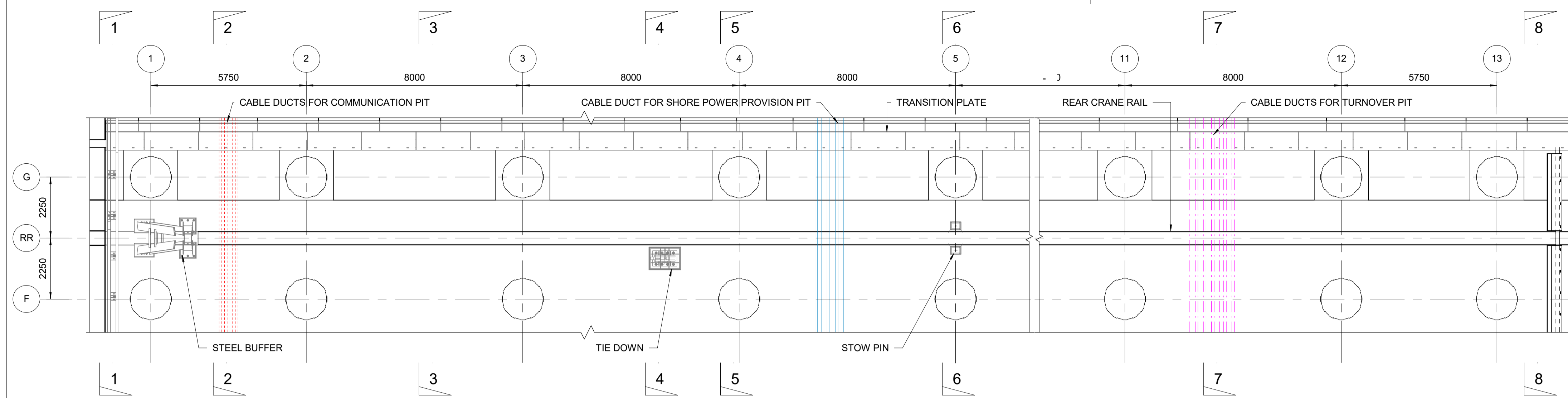


**SECTION 7-7**

SCALE 1:50



|                                                                                                               |                              |                                                                                |                       |                                                       |                                                                |                       |            |
|---------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------|----------------------------------------------------------------|-----------------------|------------|
| Rev.                                                                                                          | Final Submission             | FOR REVIEW                                                                     | Description/Përshkrim | GP                                                    | PV                                                             | AM                    | 20-08-2023 |
|                                                                                                               |                              |                                                                                |                       | NN                                                    | PV                                                             | AM                    | 01-08-2023 |
|                                                                                                               |                              |                                                                                |                       | Drawn/<br>Të vizatuar                                 | Checked/<br>Kontrolluar                                        | Approved/<br>Miratuar | Date/Date  |
|                                                                                                               |                              | Client/Porositësi<br><b>DURRËS PORT AUTHORITY</b><br>AUTORITETI PORTUAL DURRËS |                       | Design Object/Objekt projektimi<br>Container Terminal |                                                                |                       |            |
| Project/Projekti<br>Integrated Port of Durrës in Porto Romano<br>Porti i integruar i Durrësit në Porto Romano |                              | Discipline/Disiplina<br>Offshore - Civil                                       |                       |                                                       |                                                                |                       |            |
| Title/Titulli<br><b>Phase 1</b><br><b>Front Crane Beam</b><br>General Details                                 |                              | Revision/Rahkimi<br>P02                                                        |                       |                                                       |                                                                |                       |            |
| Scale/Shkalë<br>A1                                                                                            | Scale/Shkalë<br>As indicated | Phase/Faza<br>Detailed Design                                                  | Sheet/No.<br>1        | of<br>1                                               | Drawing Number/Numri i vizatimit<br>BI1884-RHD-06-CT-DR-C-2143 |                       |            |



- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  - ALL LEVELS ARE IN METERS AND RELATIVE TO CHART DATUM (CD).
  - CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
  - ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
  - MINIMUM CYLINDER STRENGTH OF IN-SITU CONCRETE TO BE 25 MPa BEFORE PLACING PRECAST UNITS.
  - ALL PRECAST UNITS TO BE BEDDED ON 3mm THICK NEOPRENE STRIPS 175mm WIDE.
  - THE RECESSES OF THE CRANE RAILS AND TIE DOWNS SHOULD BE INITIALLY FILLED WITH LOW GRADE CONCRETE OR OTHER SIMILAR MATERIAL FOR PHASE 1 INITIAL WHEN STS CRANES ARE NOT USED / INSTALLED AT THE BERTHS.
  - MINIMUM CONCRETE STRENGTH IS 25 MPa FOR TEMPORARY SUPPORT OF PRECAST FENDER PANEL.
  - ALLOWABLE LOAD DURING CONSTRUCTION
    - 5 kPa, BEFORE FIRST CASTING OF CONCRETE
    - 1 kPa, DURING CASTING UNTIL CONCRETE STRENGTH IS 25 MPa.

**REFERENCE DRAWINGS:**

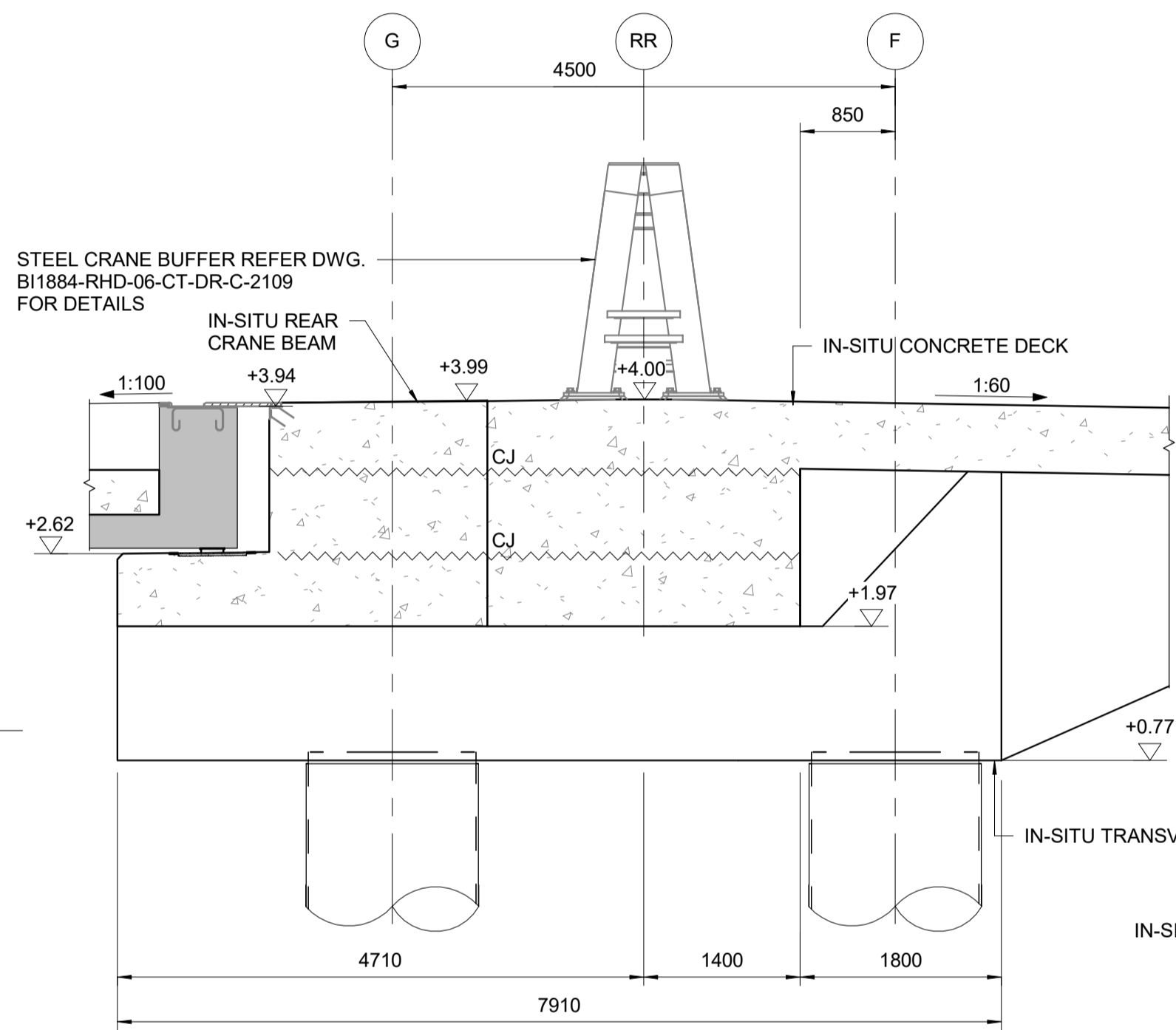
- BI1884-RHD-06-CT-DR-C-2031 to 2032
- BI1884-RHD-06-CT-DR-C-2101 to 2112
- BI1884-RHD-06-CT-DR-C-2161 to 2163

**LEGEND:**

~~~~~ : CONSTRUCTION JOINT (CJ)

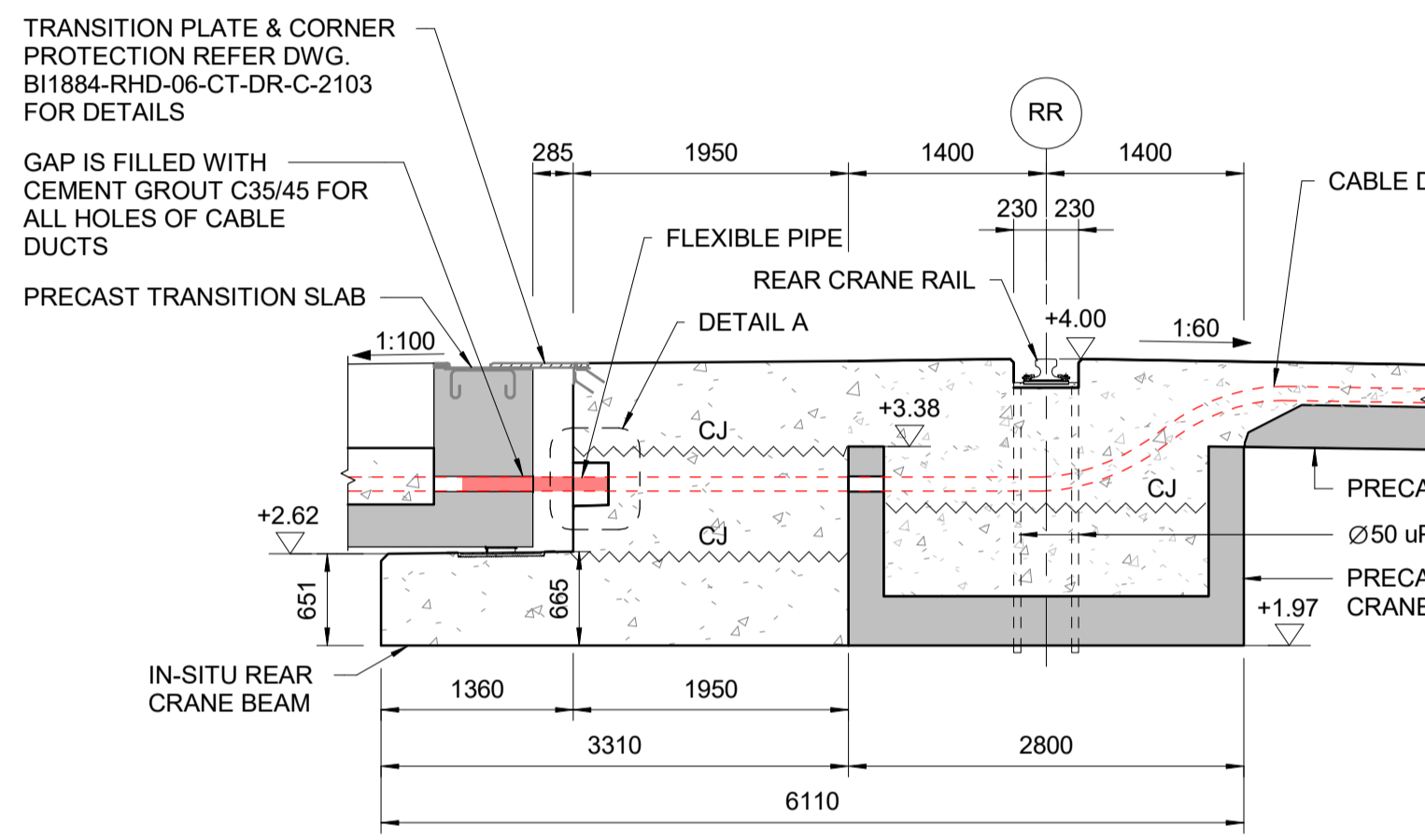
TYPICAL REAR CRANE BEAM - PLAN VIEW

SCALE 1 : 100

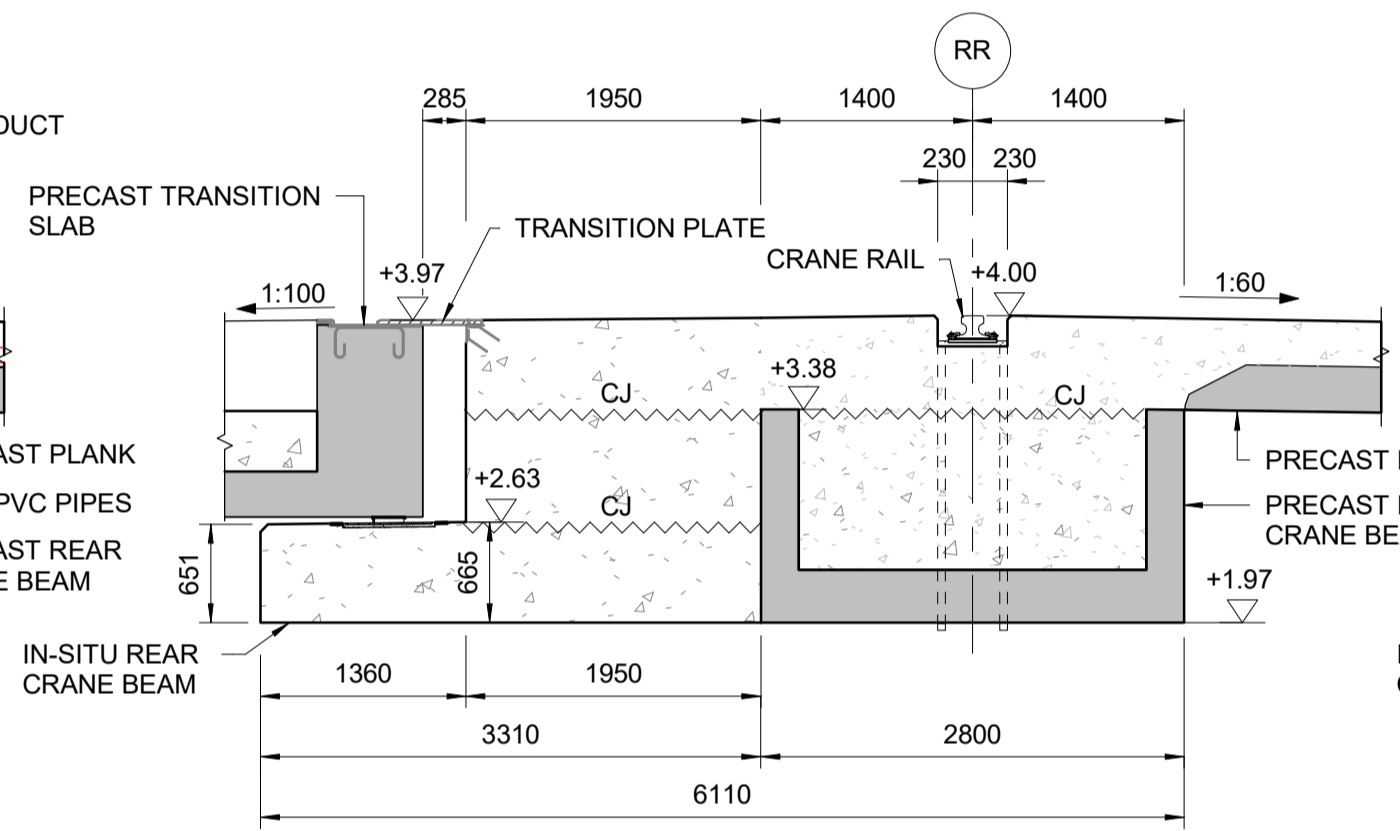


NOTE: BARRIER NOT SHOWN

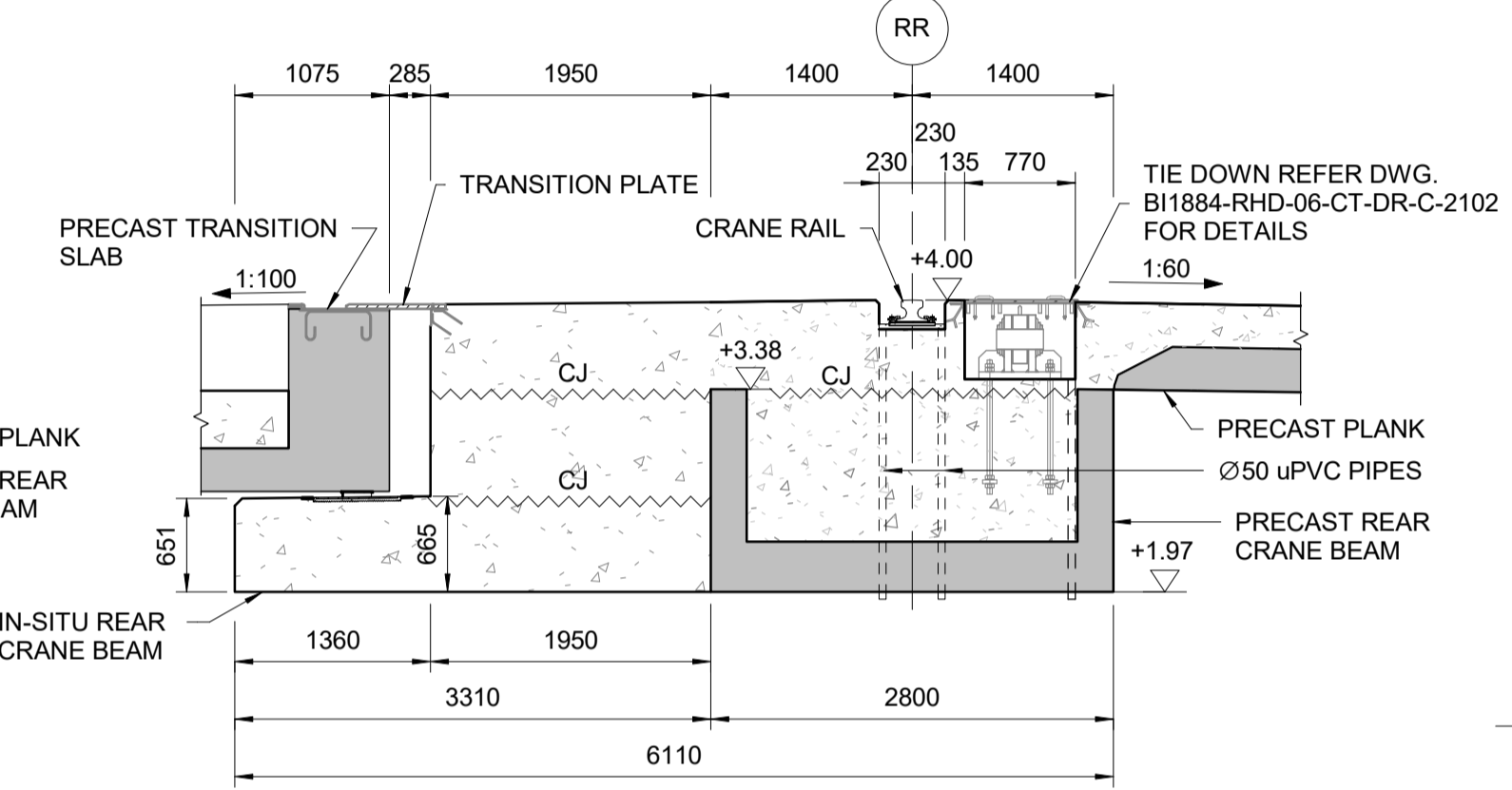
SECTION 1-1
SCALE 1 : 50



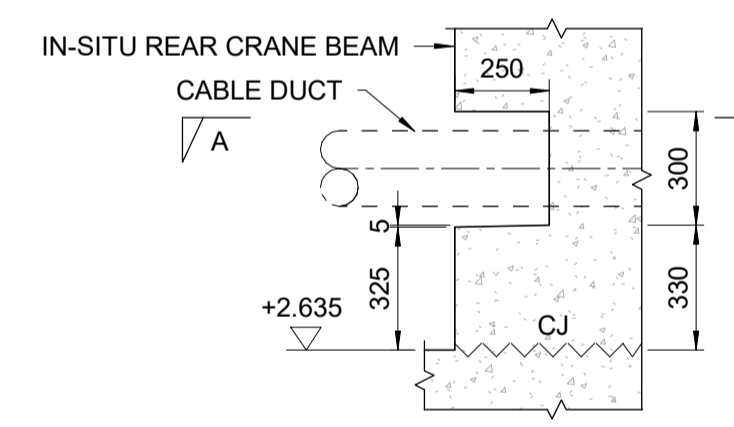
SECTION 2-2
SCALE 1 : 50



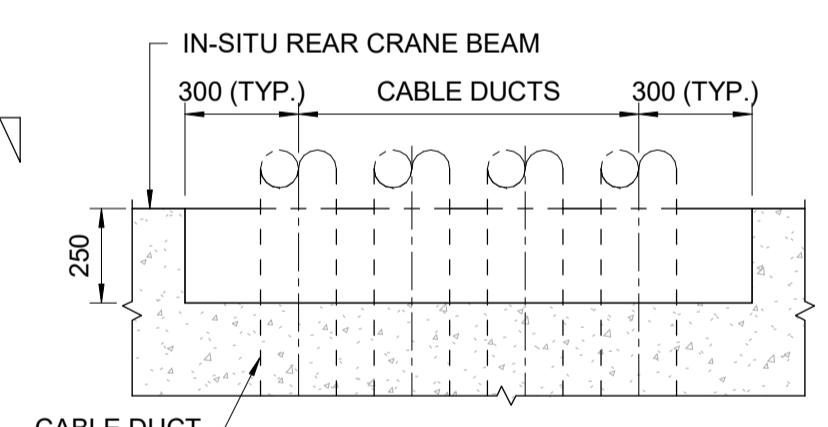
SECTION 3-3
SCALE 1 : 50



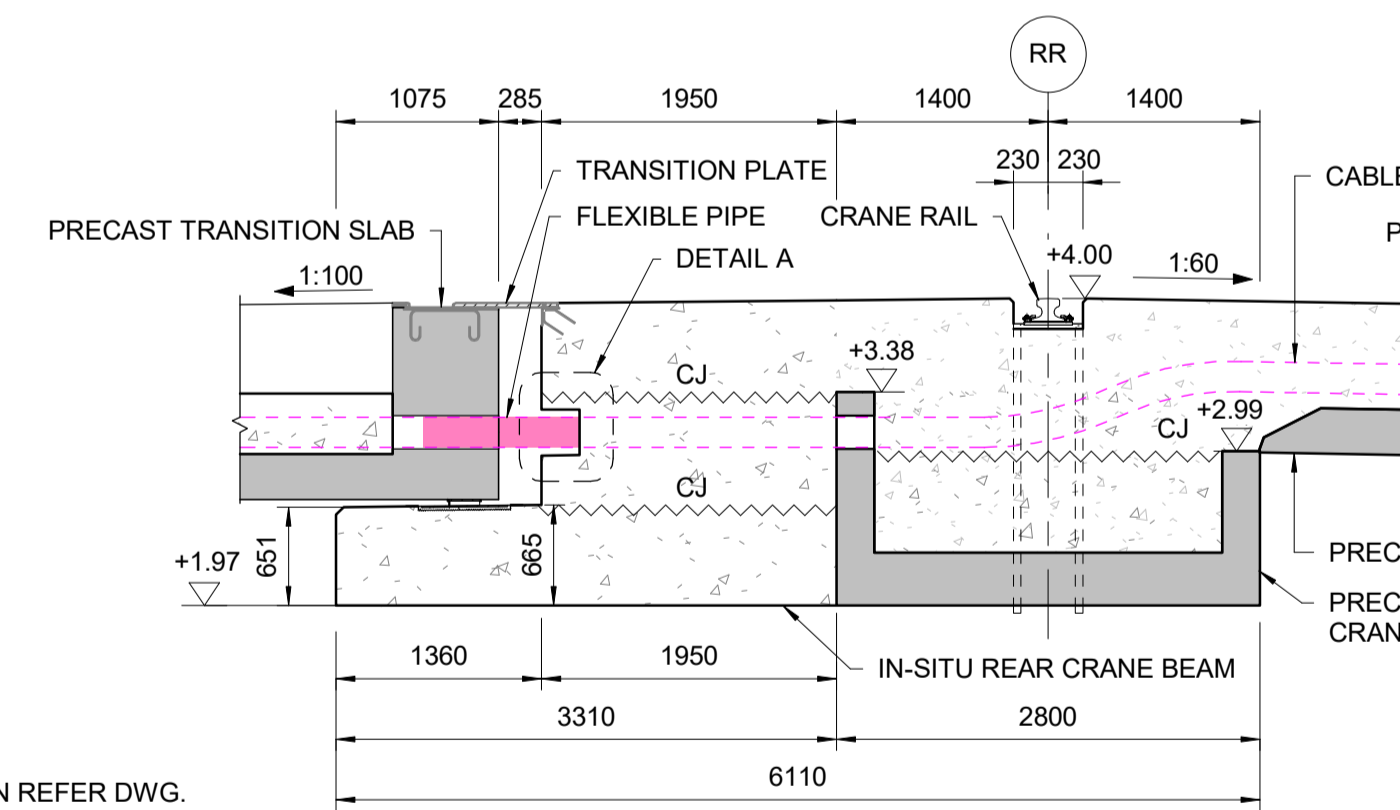
SECTION 4-4
SCALE 1 : 50



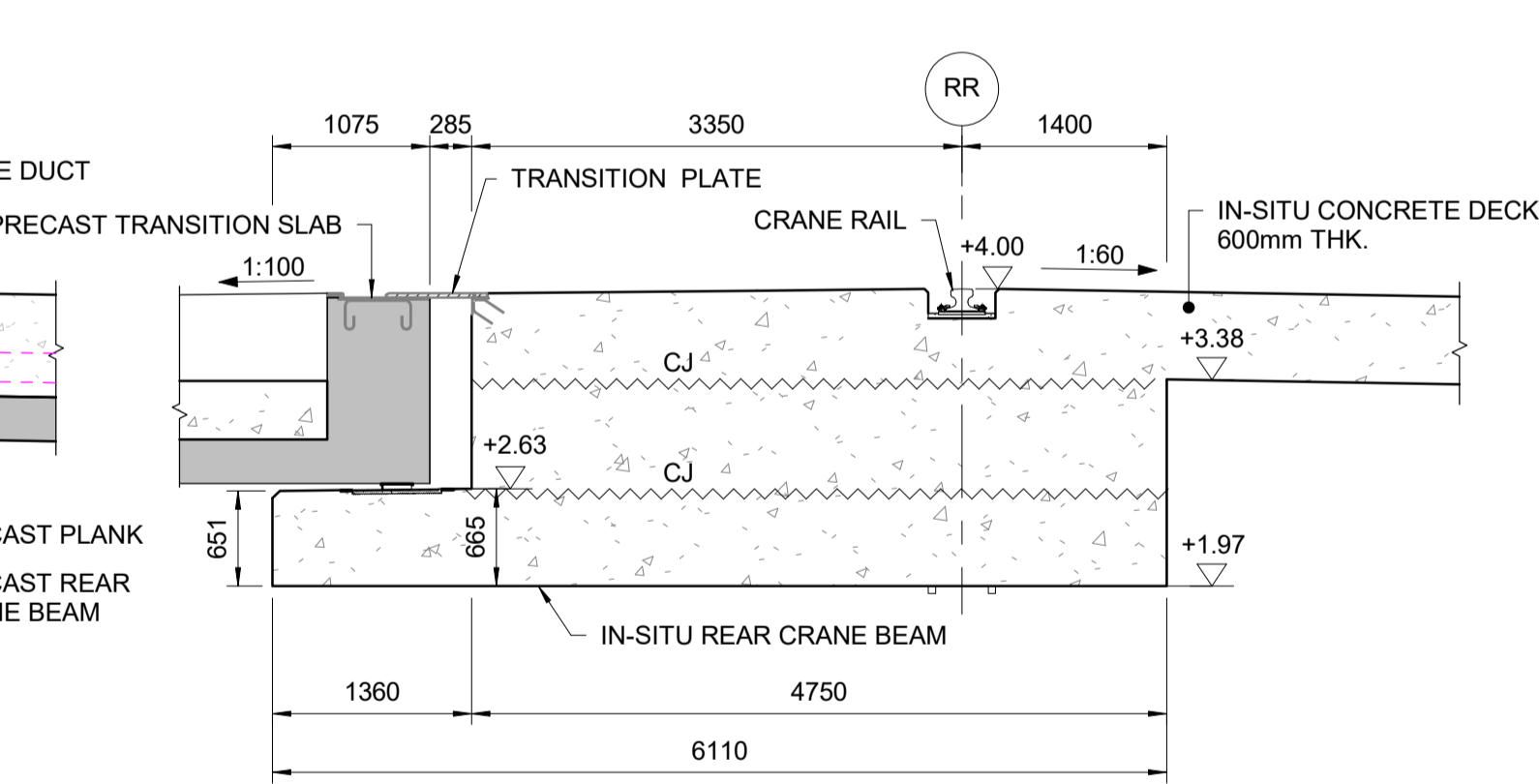
DETAIL A
SCALE 1 : 20



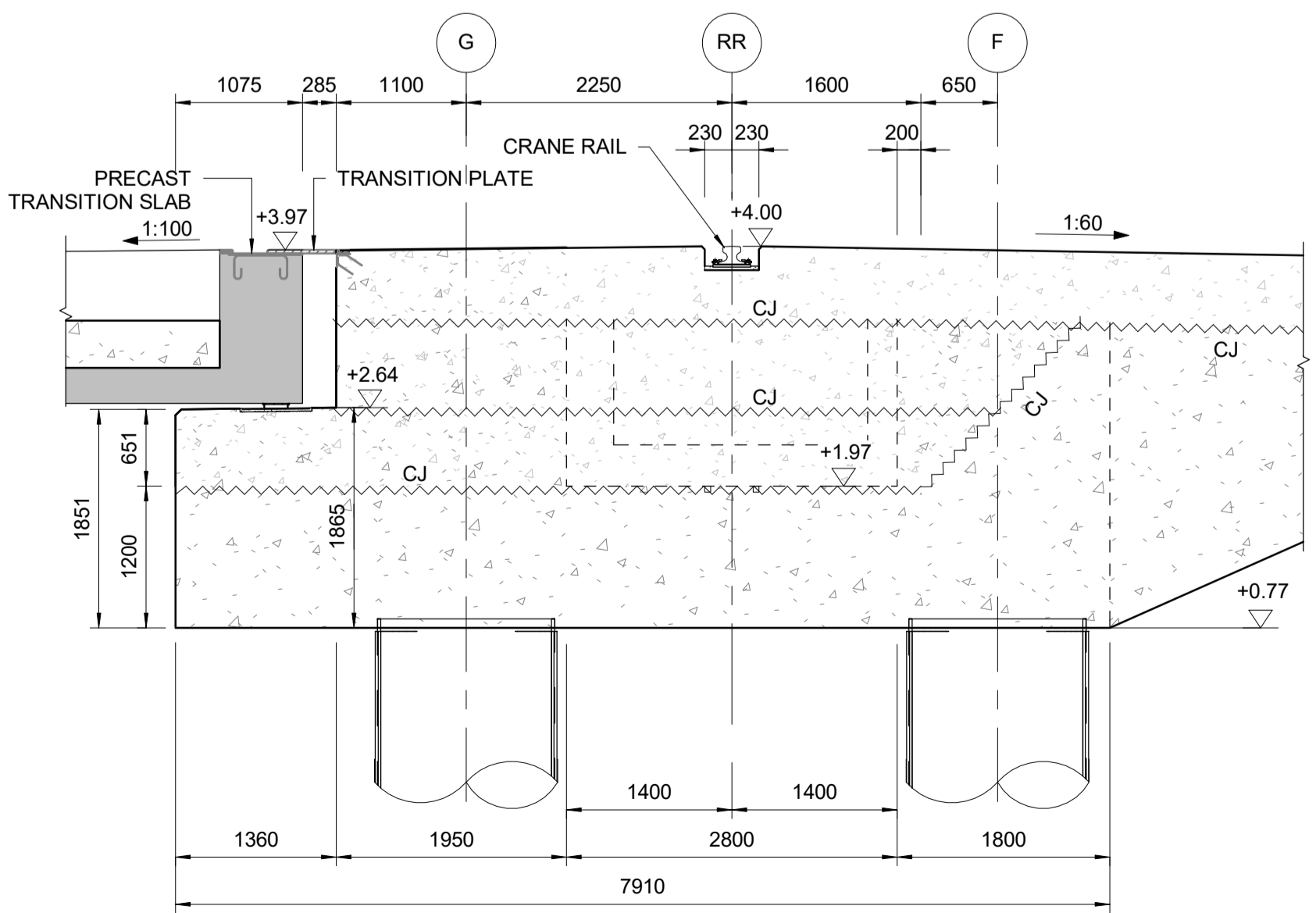
SECTION A-A
SCALE 1 : 20



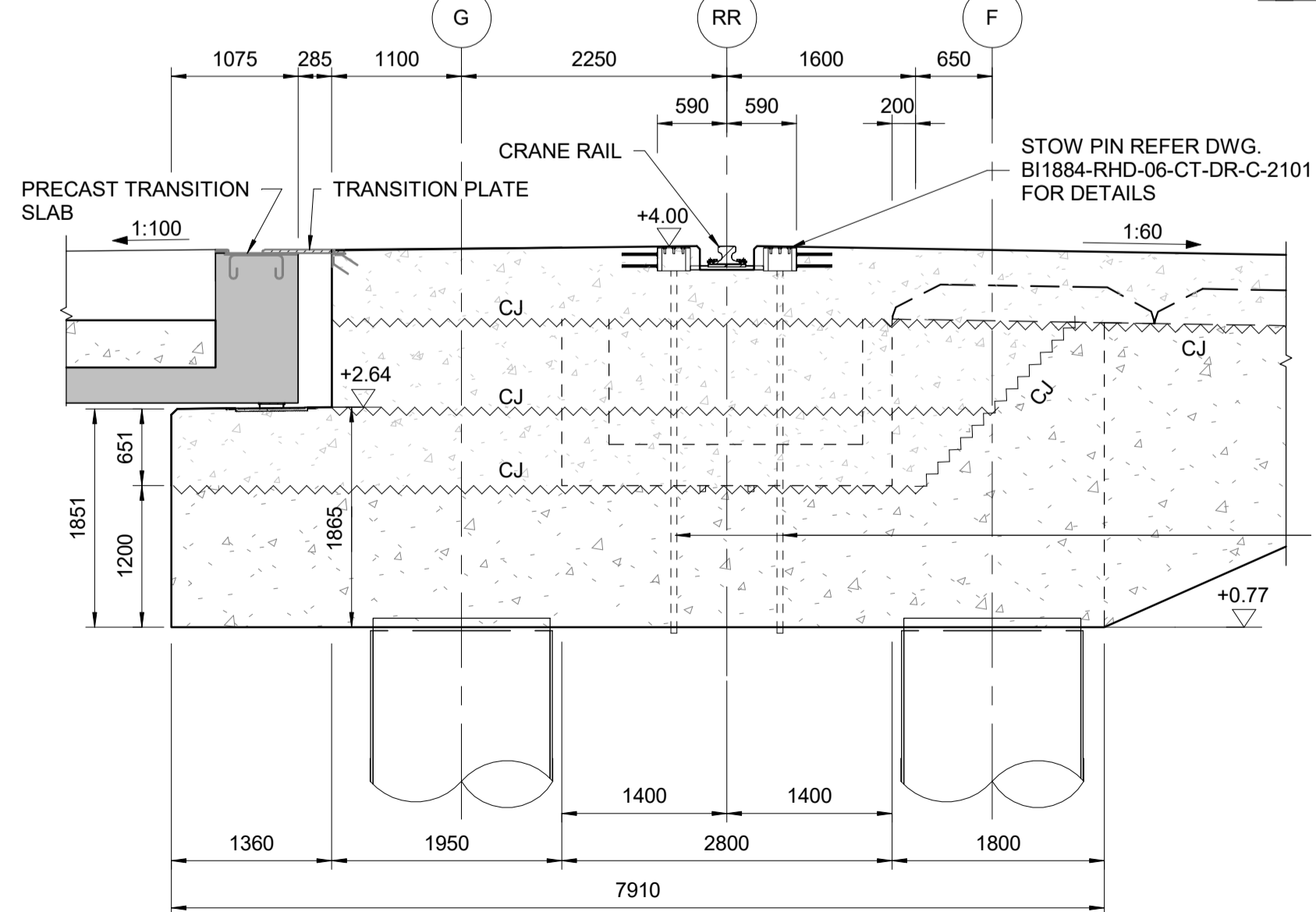
SECTION 7-7
SCALE 1 : 50



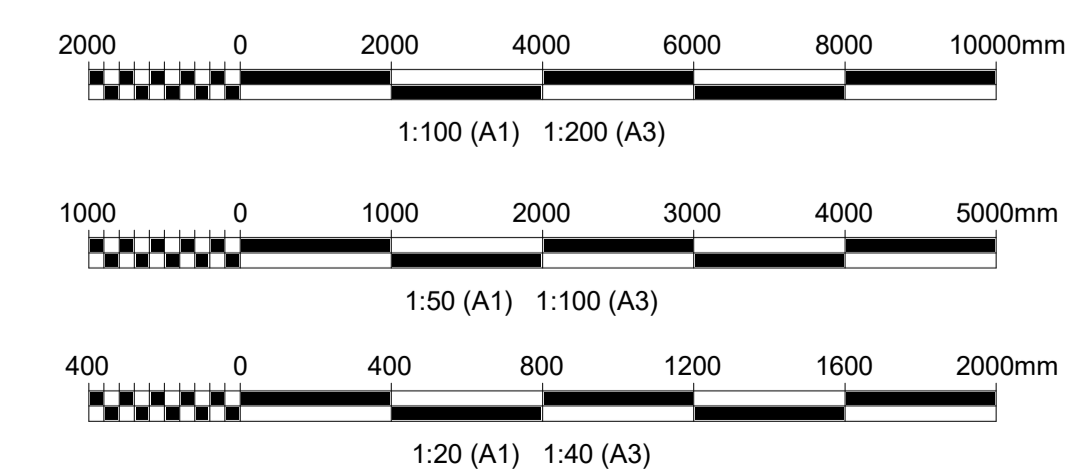
SECTION 8-8
SCALE 1 : 50



SECTION 5-5
SCALE 1 : 50



SECTION 6-6
SCALE 1 : 50



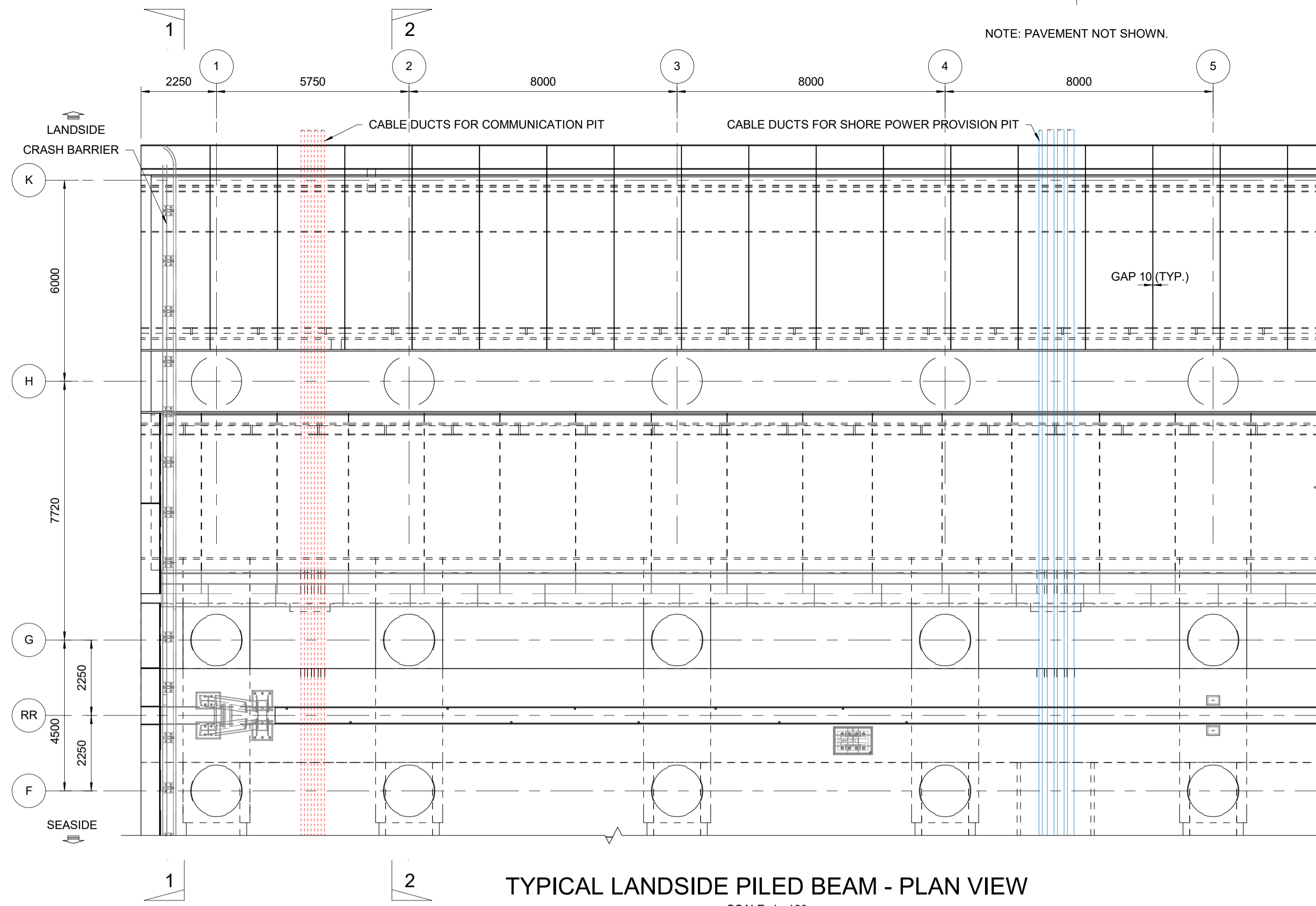
| | | | | | |
|---------|-----------------------|-----------------------|-------------------------|-----------------------|------------|
| Rev. 01 | FINAL SUBMISSION | GP | PV | AM | 25-08-2023 |
| Rev. 00 | FOR REVIEW | NX | PV | AM | 01-05-2023 |
| Rev. | Description/Parshkrim | Drawn/
Të vizatuar | Checked/
Kontrolluar | Approved/
Miratuar | Date/Date |

Client/Projektuesi: Durrës Port Authority / Autoriteti Portual Durrës
 Design Object/Objekti projektimi: Container Terminal

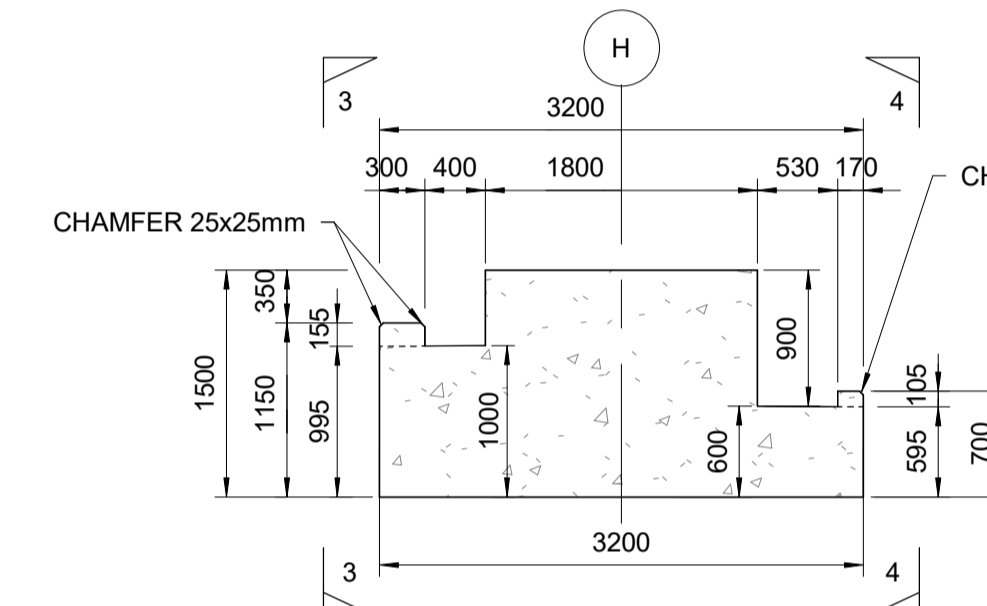
Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano
 Discipline/Disiplina: Offshore - Civil

Title/Titulli: Phase 1 Rear Crane Beam General Details

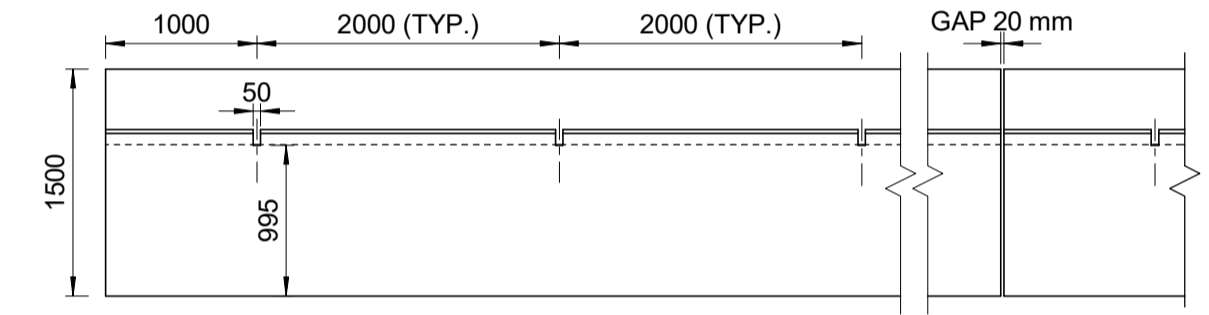
Scale/Shkalla: As indicated / Detailed Design
 Sheet/foja: 1 of 1 / nga 1
 Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2144



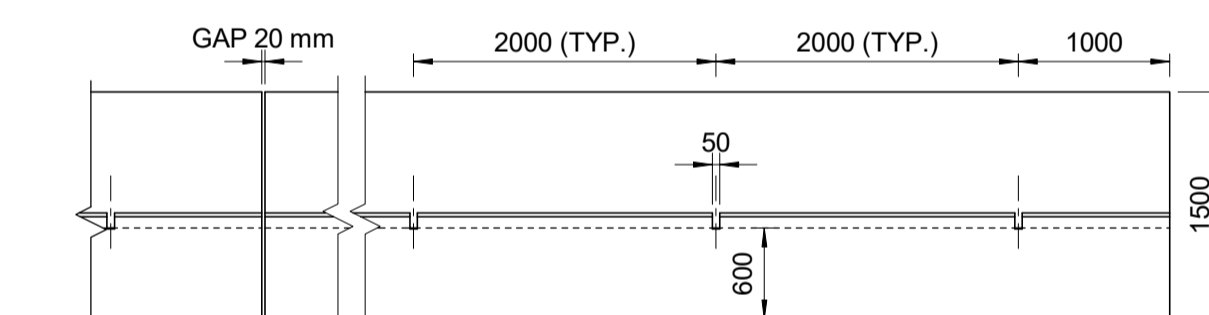
TYPICAL LANDSIDE PILED BEAM - PLAN VIEW
SCALE 1 : 100



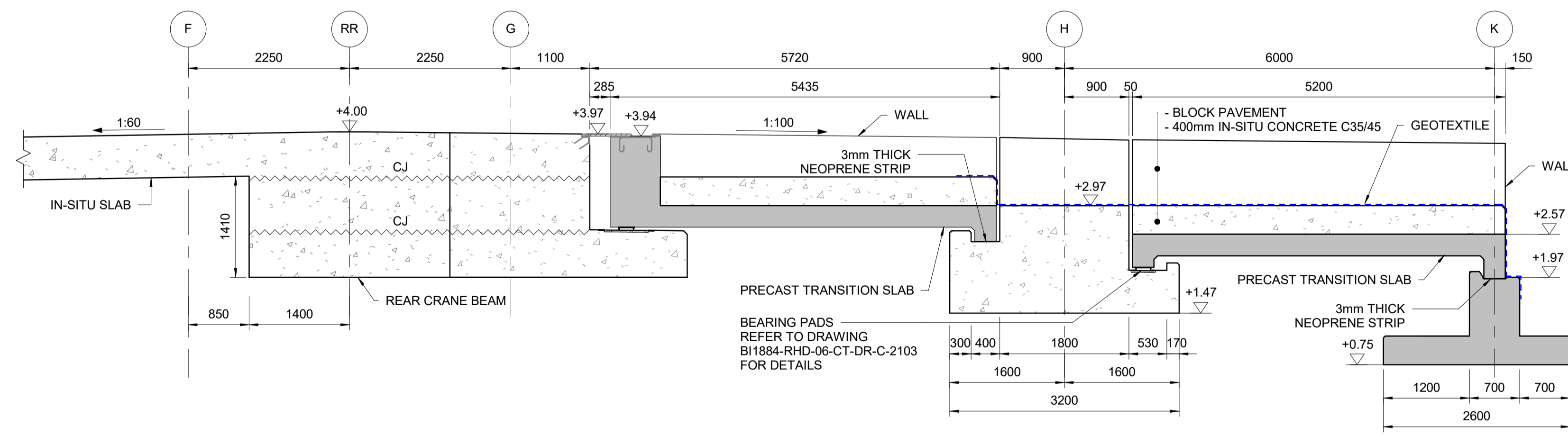
LANDSIDE PILED BEAM - GRIDLINE H SECTION
SCALE 1 : 50



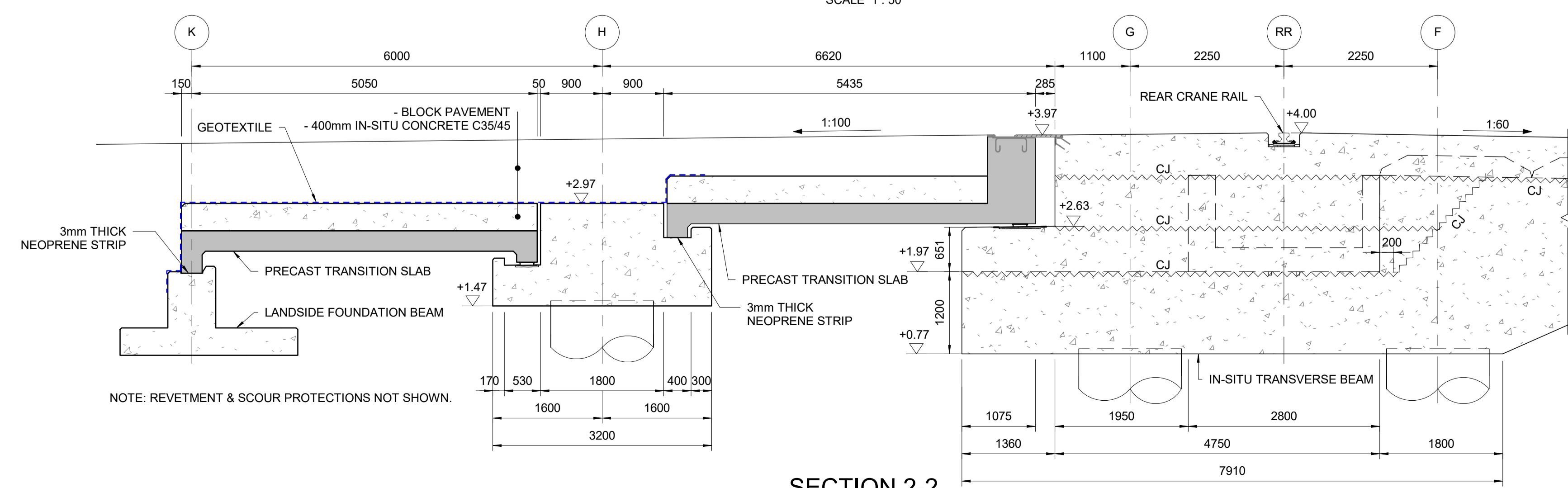
SECTION 3-3
SCALE 1 : 50



SECTION 4-4
SCALE 1 : 50



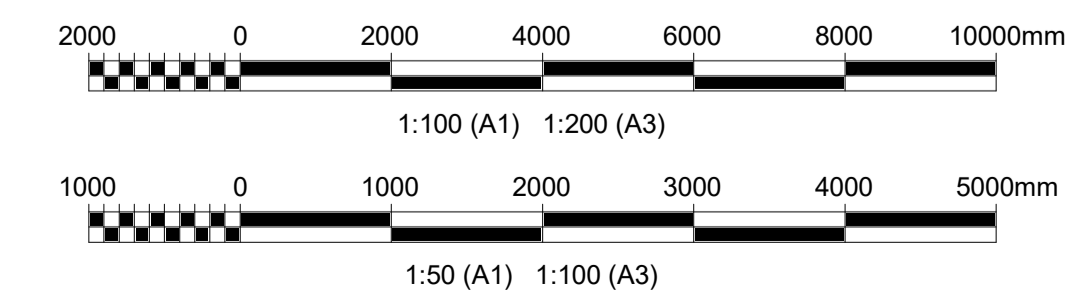
SECTION 1-1
SCALE 1 : 50
NOTE: ROCK, SCOUR PROTECTION AND BARRIER NOT SHOWN



SECTION 2-2
SCALE 1 : 50
NOTE: REVETMENT & SCOUR PROTECTIONS NOT SHOWN.

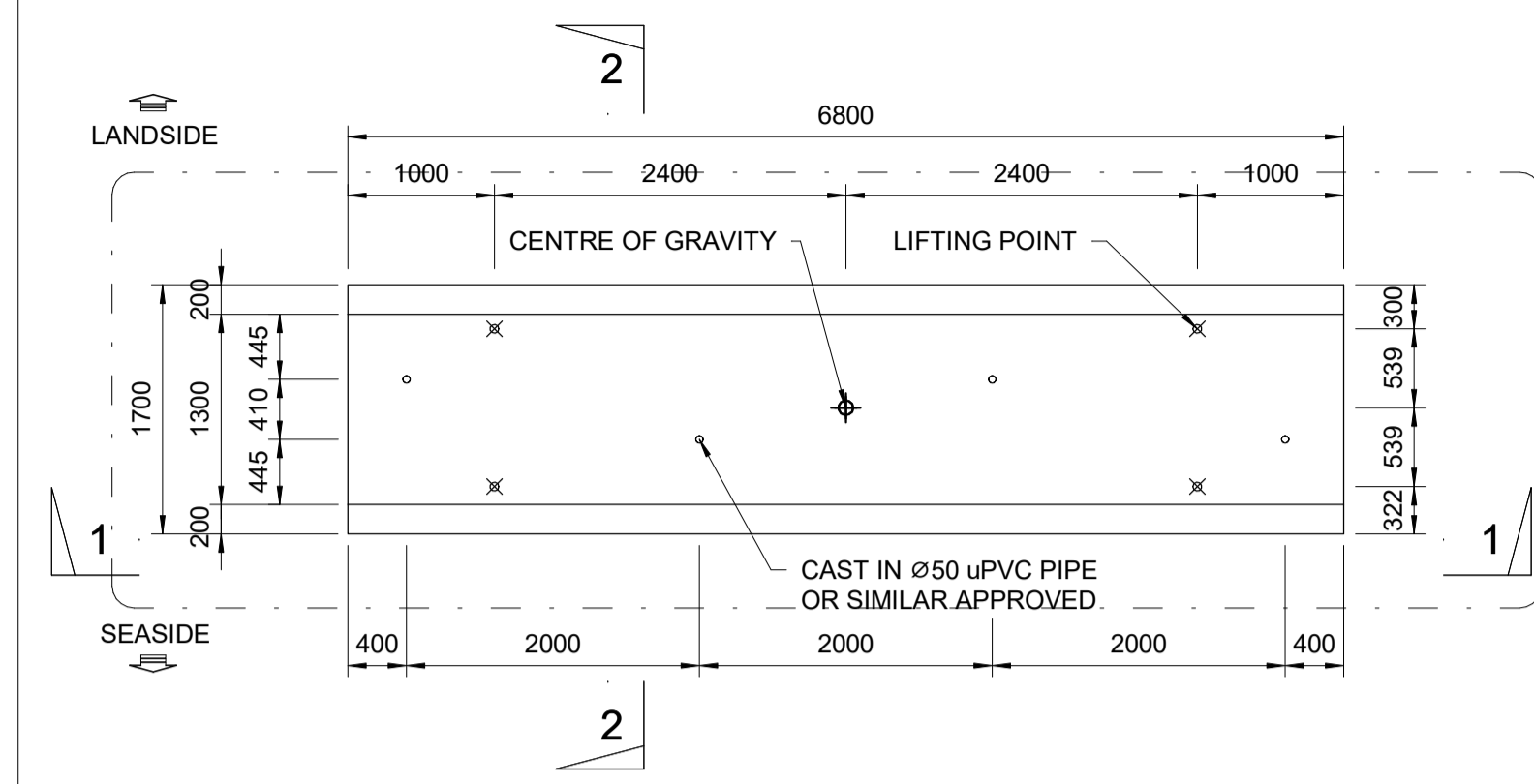
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METERS AND RELATIVE TO CHART DATUM (CD).
 3. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
 4. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
 5. MINIMUM CYLINDER STRENGTH OF IN-SITU CONCRETE TO BE 25 MPa BEFORE PLACING PRECAST UNITS.
 6. FOR ROAD PAVEMENT BEHIND THE QUAY REFER TO DRAWINGS BI1884-RHD-06-PV-DR-C-2001 TO 2029 FOR DETAILS.
 7. REVETMENT & SCOUR PROTECTIONS REFER TO DRAWINGS BI1884-RHD-02-RV-DR-CM-2030 TO 2038 FOR DETAILS.
 8. FOR STONE COLUMN REFER TO DRAWINGS BI1884-RHD-ZZ-DR-Z-2340 TO 2349 FOR DETAILS.
 9. ALLOWABLE LOAD DURING CONSTRUCTION
 - 5 kPa, BEFORE FIRST CASTING OF CONCRETE
 - 1 kPa, DURING CASTING UNTIL CONCRETE STRENGTH IS 25 MPa.
- REFERENCE DRAWINGS:**
1. BI1884-RHD-06-CT-DR-C-2031 to 2032
 2. BI1884-RHD-06-CT-DR-C-2061 to 2062
 3. BI1884-RHD-06-CT-DR-C-2101 to 2112

LEGEND:
 ~~~~~ : CONSTRUCTION JOINT (CJ)

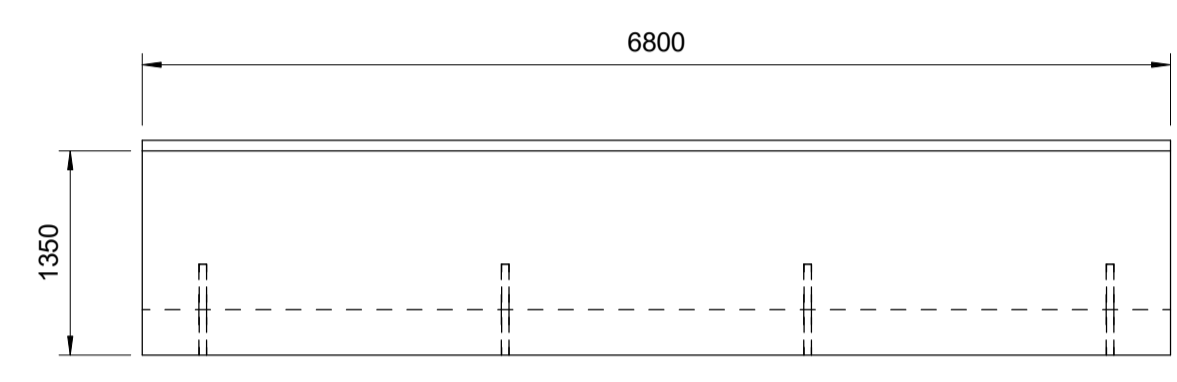


|                                                                                                        |                      |                    |                                                                                                                                                                                                                                                                          |                      |            |         |            |
|--------------------------------------------------------------------------------------------------------|----------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|---------|------------|
| Rev.                                                                                                   | NO.                  | DESCRIPTION        | DATE                                                                                                                                                                                                                                                                     | GP                   | PV         | AM      | 20-08-2023 |
| P01                                                                                                    | FOR REVIEW           |                    | 01-08-2023                                                                                                                                                                                                                                                               | NN                   | PV         | AM      |            |
| Rev.                                                                                                   | Description/Paraqimi | Drawn/ Te vizatuar | Checked/ Kontrolluar                                                                                                                                                                                                                                                     | Approved/ Miratuar   | Date/ Data |         |            |
|                                                                                                        |                      |                    | <b>Client/ Porositësi:</b> Durrës Port Authority / Autoriteti Portual Durrës<br><b>Project/ Projekti:</b> Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano<br><b>Title/ Titulli:</b> Phase 1 Landside Piled Beam General Details |                      |            |         |            |
| <b>Design/ Objekt projektimi:</b> Container Terminal<br><b>Discipline/ Disiplina:</b> Offshore - Civil |                      |                    | <b>Revision/ Rihkrim:</b> P02                                                                                                                                                                                                                                            |                      |            |         |            |
| Scale/ Shkala:                                                                                         | As indicated         | Phase/ Faza:       | Detailed Design                                                                                                                                                                                                                                                          | Sheet/ Nr. i fletës: | 1          | of nga: | 1          |
| <b>Drawing Number/ Numri i vizatimit:</b> BI1884-RHD-06-CT-DR-C-2145                                   |                      |                    |                                                                                                                                                                                                                                                                          |                      |            |         |            |

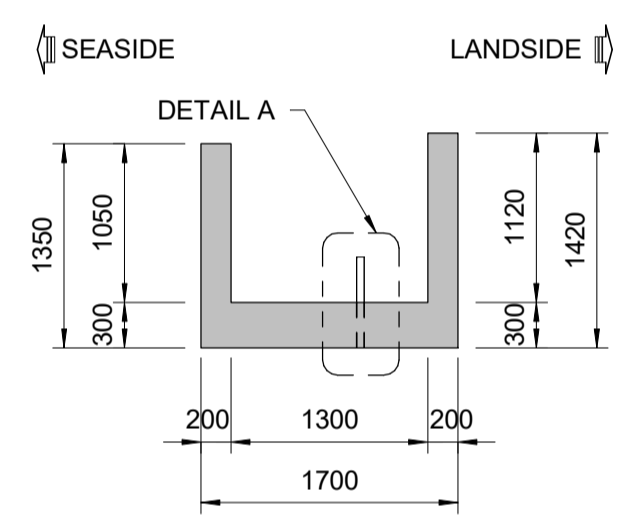
| PRECAST FRONT CRANE BEAM |                |                    |
|--------------------------|----------------|--------------------|
| UNIT                     | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| FC1                      | 13             | 16.04              |



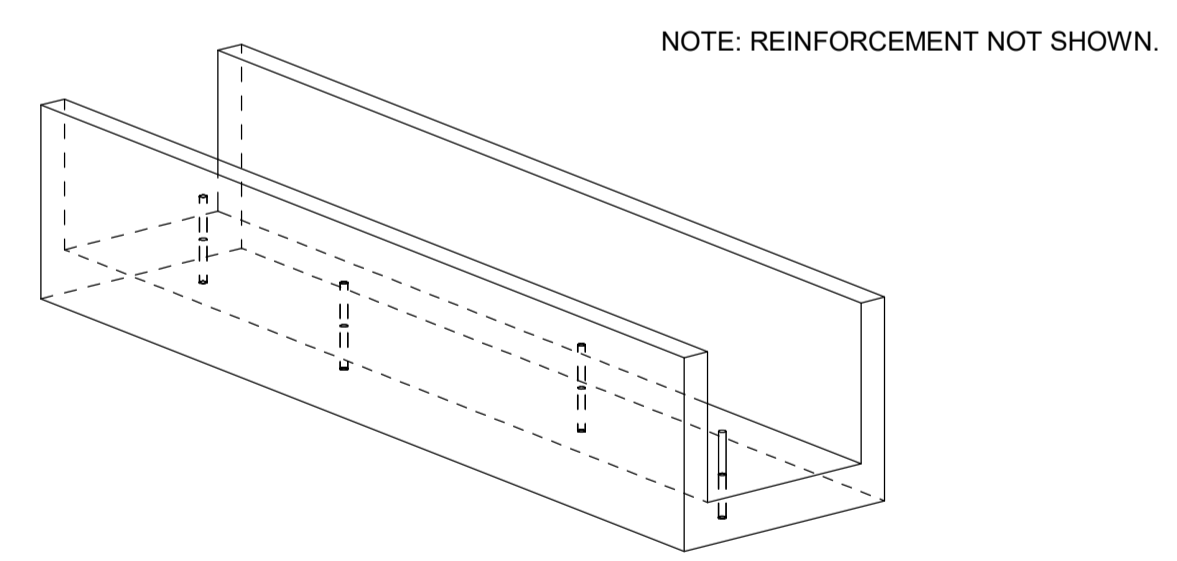
**PLAN**  
SCALE 1 : 50



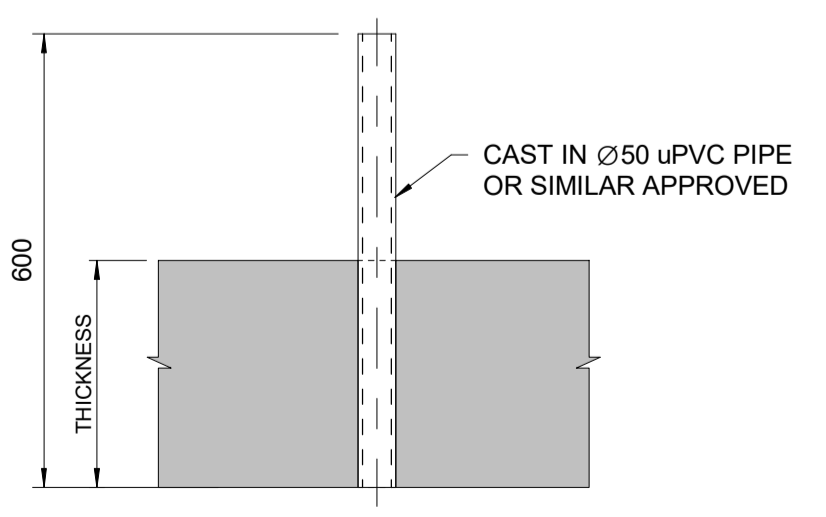
**ELEVATION 1-1**  
SCALE 1 : 50



**SECTION 2-2**  
SCALE 1 : 50

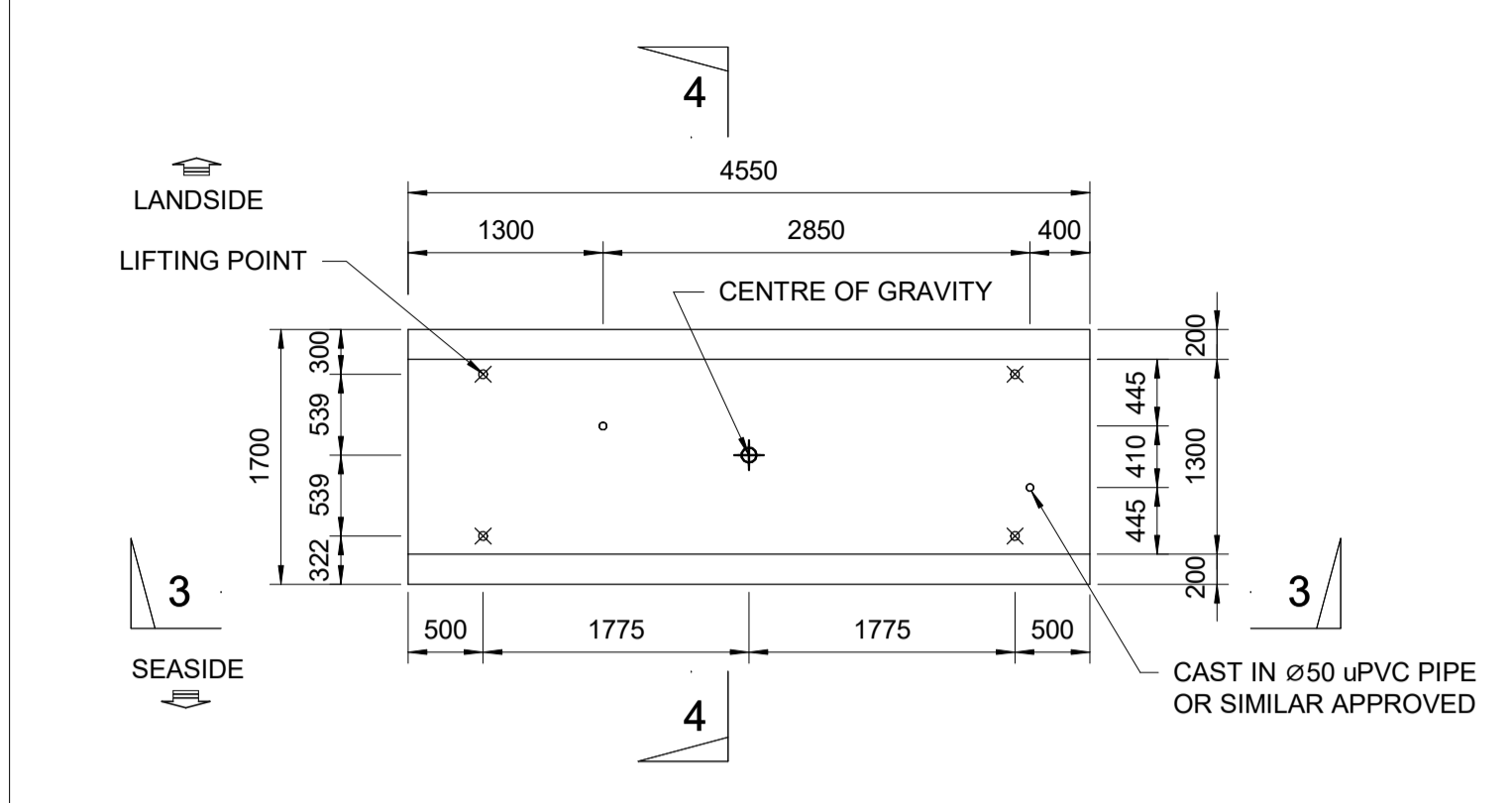


**PERSPECTIVE**

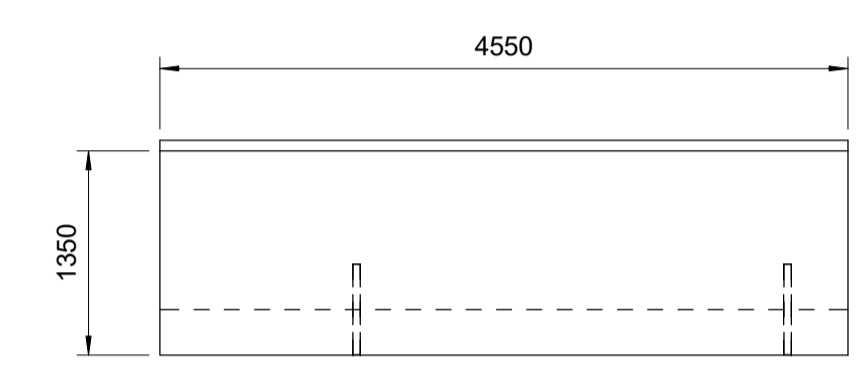


**DETAIL A (DRAIN HOLE)**  
SCALE 1 : 10

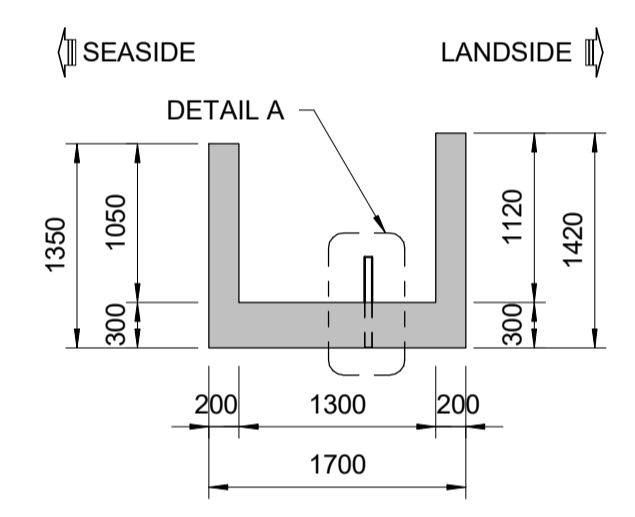
| PRECAST FRONT CRANE BEAM |                |                    |
|--------------------------|----------------|--------------------|
| UNIT                     | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| FC2                      | 5              | 10.74              |



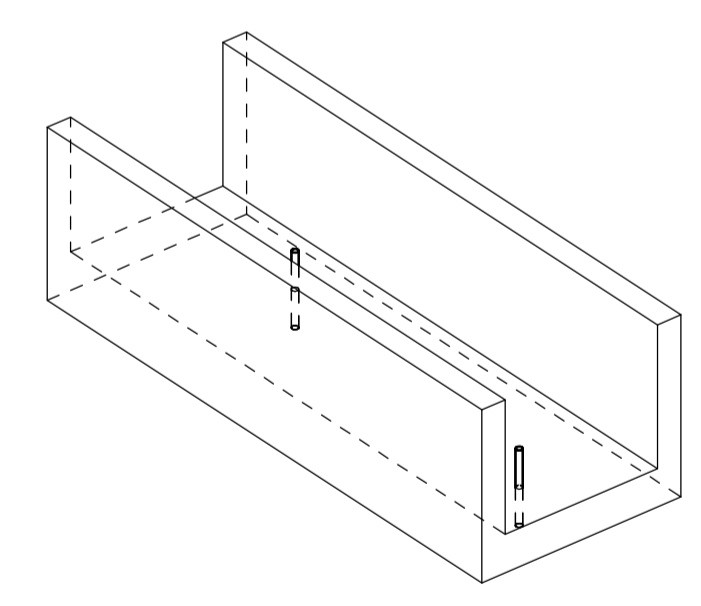
**PLAN**  
SCALE 1 : 50



**ELEVATION 3-3**  
SCALE 1 : 50



**SECTION 4-4**  
SCALE 1 : 50

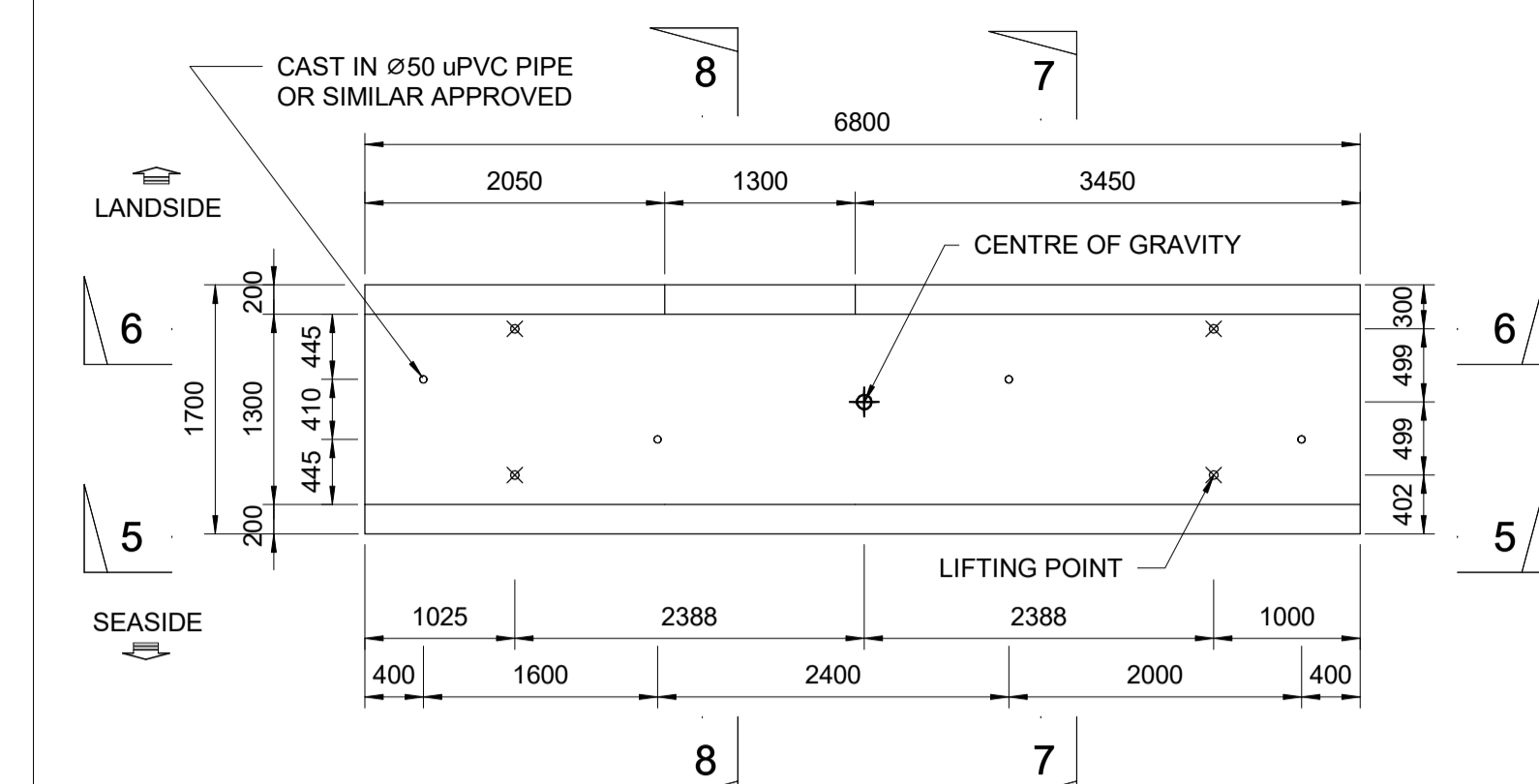


**PERSPECTIVE**

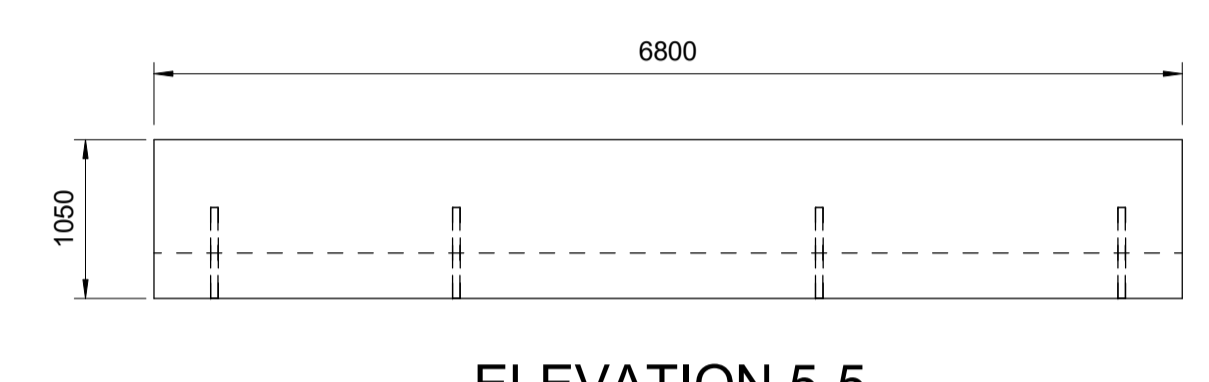
NOTE: REINFORCEMENT NOT SHOWN.

| PRECAST FRONT CRANE BEAM |                |                    |
|--------------------------|----------------|--------------------|
| UNIT                     | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| FC3                      | 2              | 14.76              |
| FC3A                     | 7              | 14.76              |

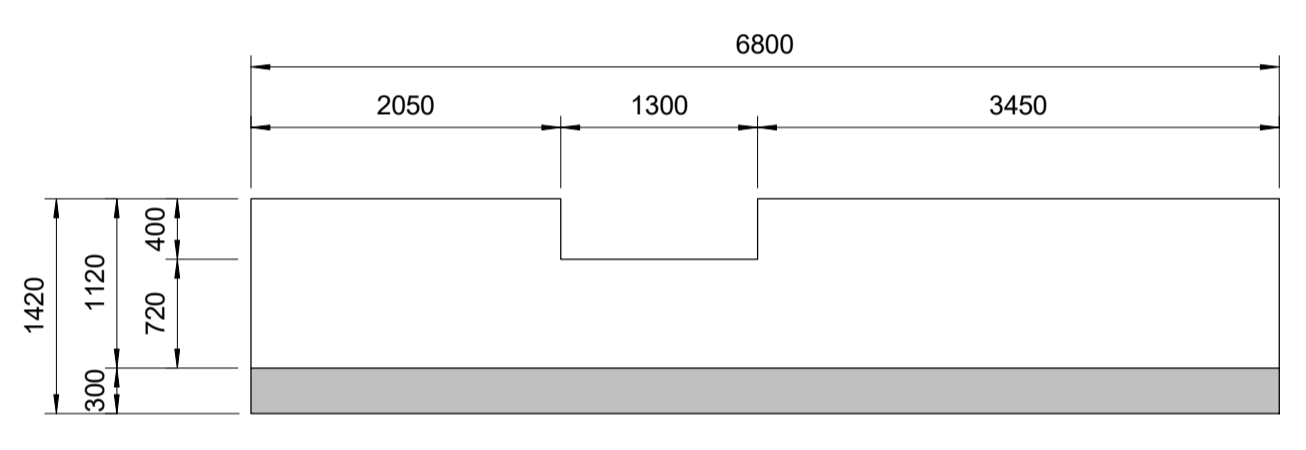
PRECAST BEAM FC3A IS SIMILAR TO FC3 AS SHOWN BELOW WITH MIRRORED LOCATION OF CUTOUT



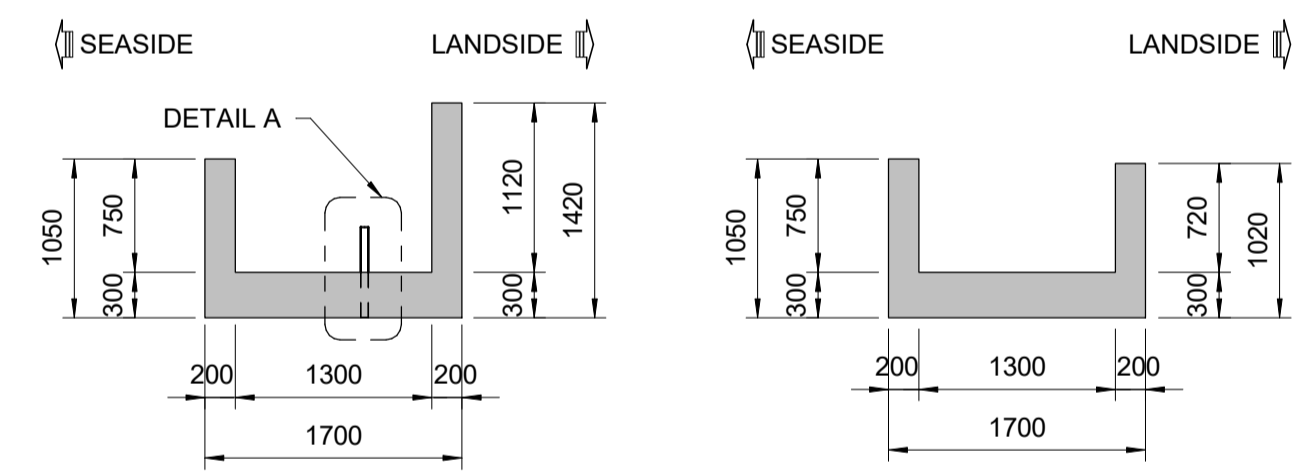
**PLAN FC3**  
SCALE 1 : 50



**ELEVATION 5-5**  
SCALE 1 : 50



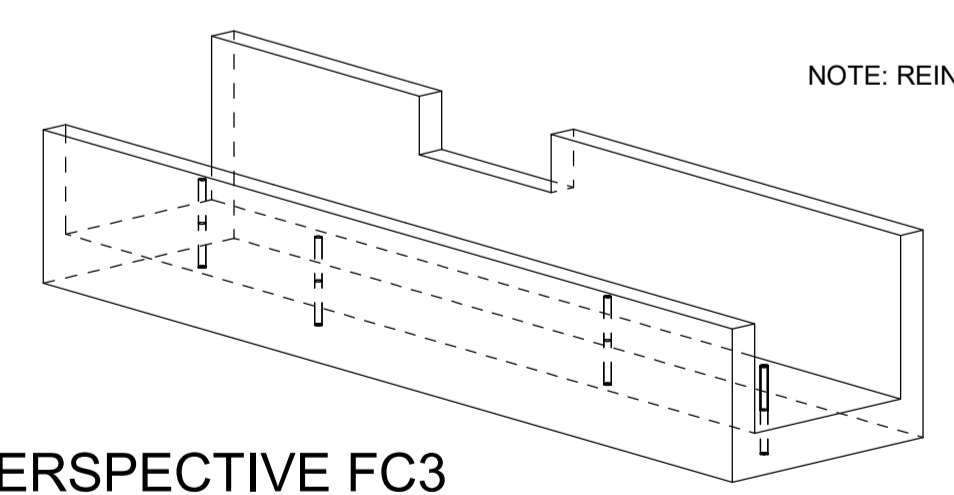
**SECTION 6-6**  
SCALE 1 : 50



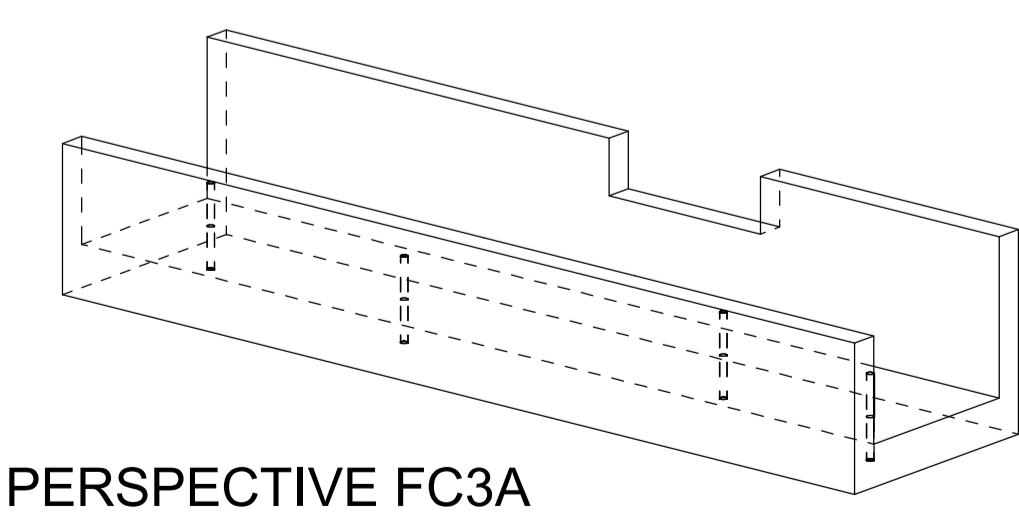
**SECTION 7-7**  
SCALE 1 : 50

**SECTION 8-8**  
SCALE 1 : 50

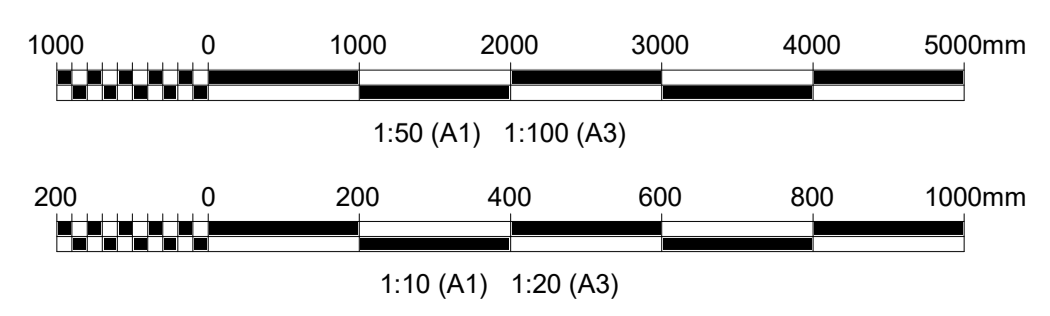
NOTE: REINFORCEMENT NOT SHOWN.



**PERSPECTIVE FC3**



**PERSPECTIVE FC3A**



- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  - CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
  - ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
  - OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
  - MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
  - LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
  - CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
  - STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
  - UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
  - ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

- REFERENCE DRAWINGS:**
- BI1884-RHD-06-CT-DR-C-2121 to 2122
  - BI1884-RHD-06-CT-DR-C-2211 to 2214

- LEGEND:**
- COG: CENTER OF GRAVITY
  - LOCATION OF LIFTING POINT ASSUMED IN DESIGN

|      |                       |                    |                      |                    |            |
|------|-----------------------|--------------------|----------------------|--------------------|------------|
| Rev. | Final Submission      | GP                 | PV                   | AM                 | 25-08-2023 |
|      | FOR REVIEW            | HD                 | PV                   | AM                 | 01-08-2023 |
|      | Description/Përshkrim | Drawn/ Te vizatuar | Checked/ Kontrolluar | Approved/ Miratuar | Date/ Data |



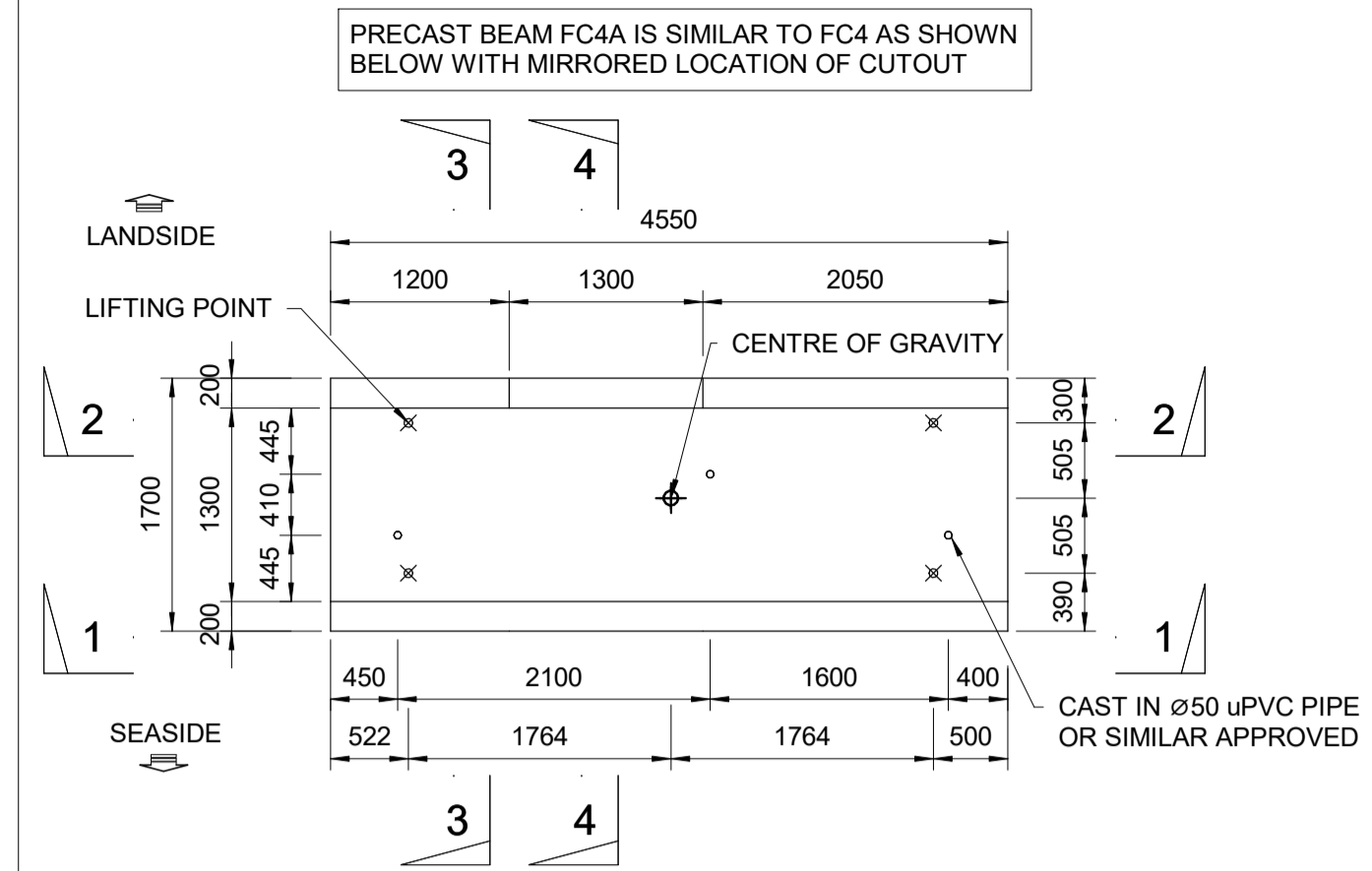
Client/Porositësi: **DURRËS PORT AUTHORITY / Autoriteti Portual Durrës**  
 Project/Projekti: **Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano**

Discipline/Disiplina: **Offshore - Civil**

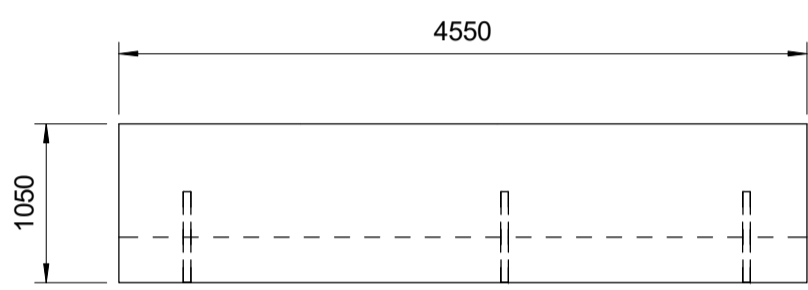
Title/Titull: **Phase 1 Precast Beams FC1, FC2, FC3 and FC3A General Details**

|                                   |                                    |                              |                  |                              |                                                                     |
|-----------------------------------|------------------------------------|------------------------------|------------------|------------------------------|---------------------------------------------------------------------|
| Scale/Shkala: <b>As Indicated</b> | Phase/Faza: <b>Detailed Design</b> | Sheet/No. i fletës: <b>1</b> | of nga: <b>1</b> | Revision/Rahkrim: <b>P02</b> | Drawing Number/Numri i vizatimit: <b>BI1884-RHD-06-CT-DR-C-2151</b> |
|-----------------------------------|------------------------------------|------------------------------|------------------|------------------------------|---------------------------------------------------------------------|

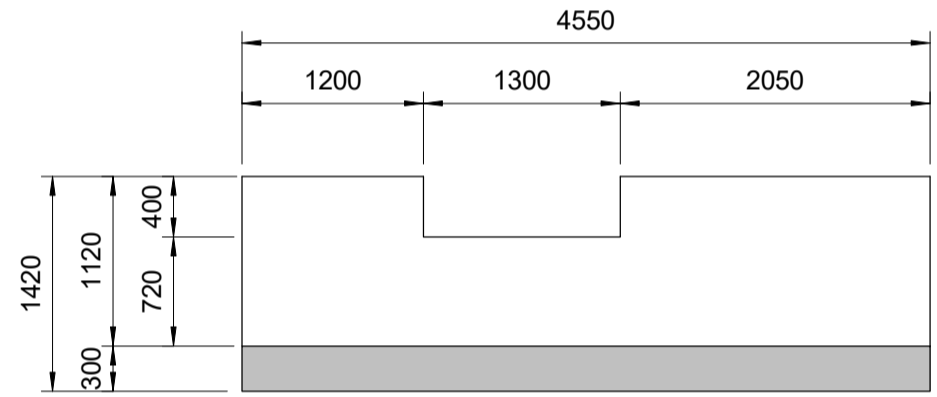
| PRECAST FRONT CRANE BEAM |                |                    |
|--------------------------|----------------|--------------------|
| UNIT                     | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| FC4                      | 2              | 9.79               |
| FC4A                     | 1              | 9.79               |



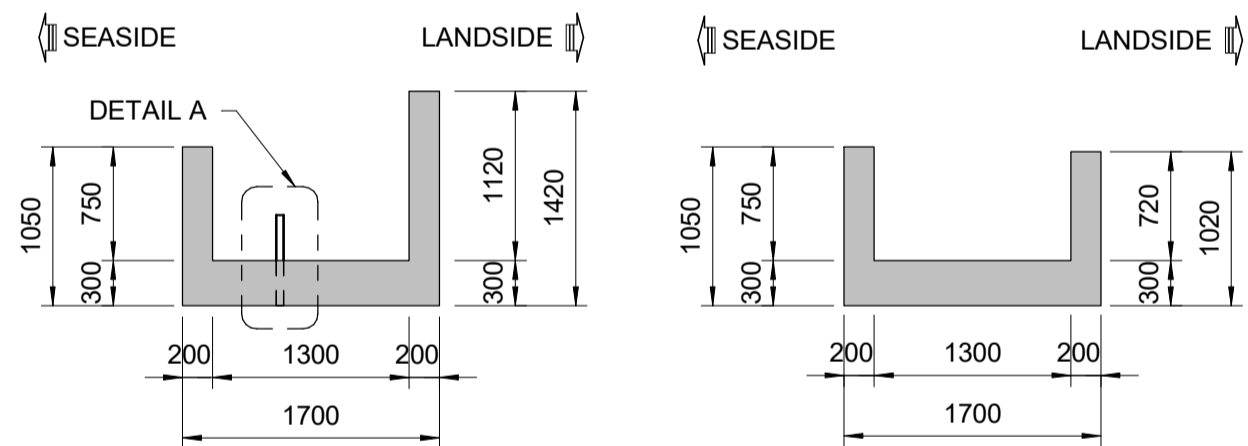
**PLAN FC4**  
SCALE 1 : 50



**ELEVATION 1-1**  
SCALE 1 : 50

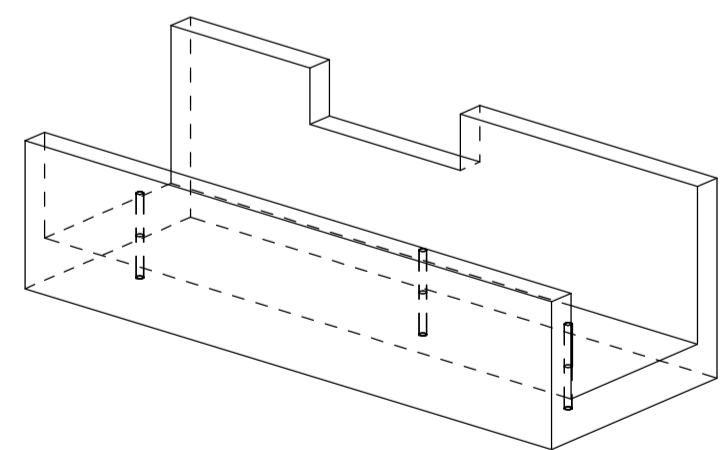


**SECTION 2-2**  
SCALE 1 : 50

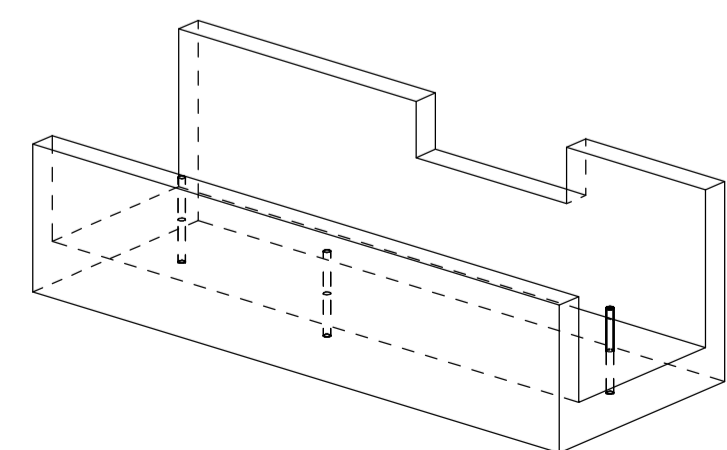


**SECTION 3-3**  
SCALE 1 : 50

**SECTION 4-4**  
SCALE 1 : 50



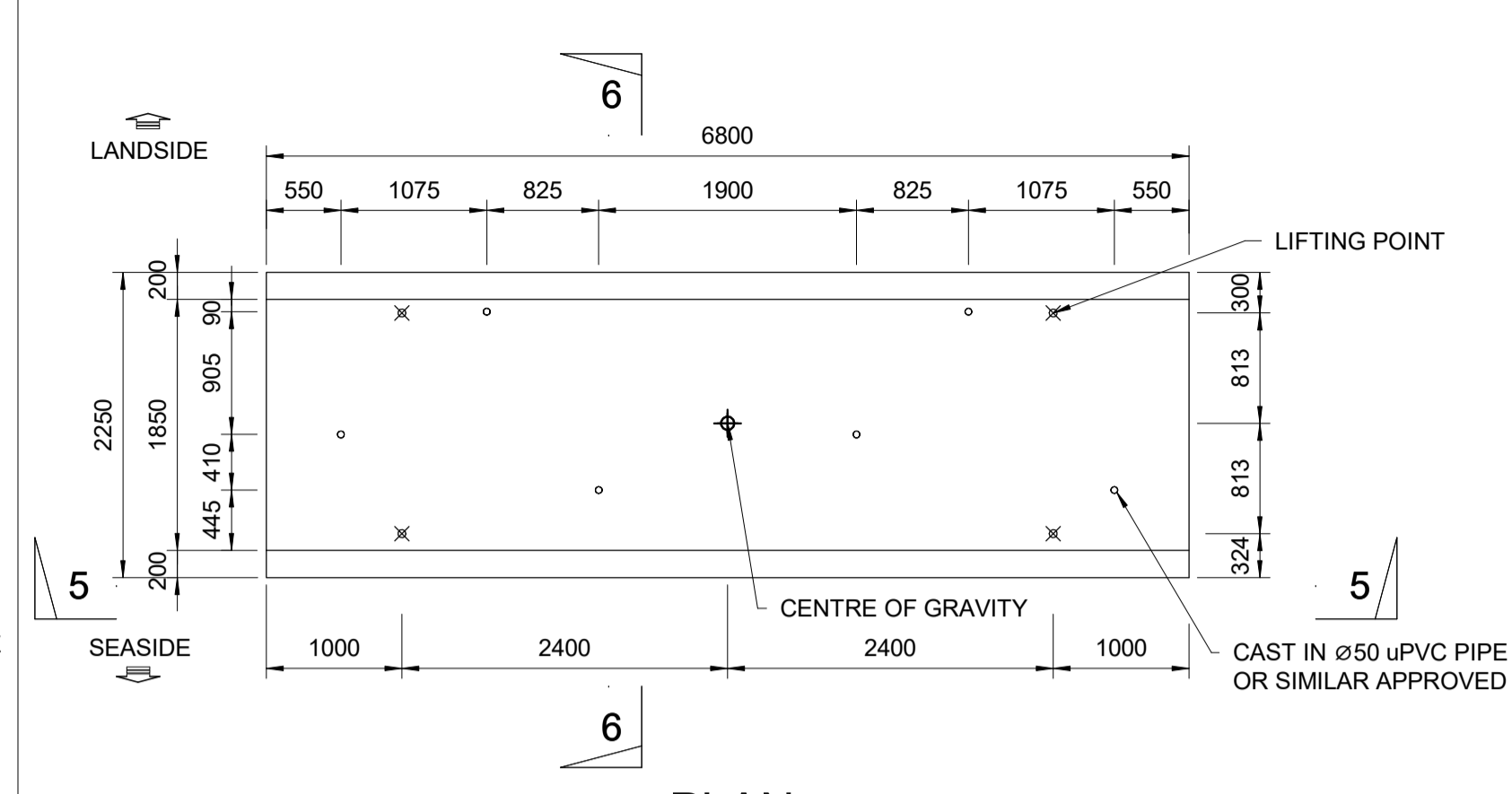
**PERSPECTIVE FC4**



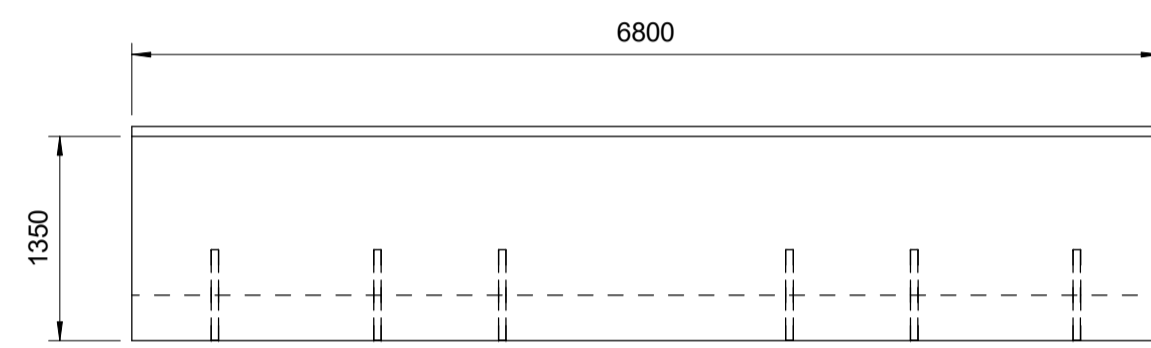
**PERSPECTIVE FC4A**

NOTE: REINFORCEMENT NOT SHOWN.

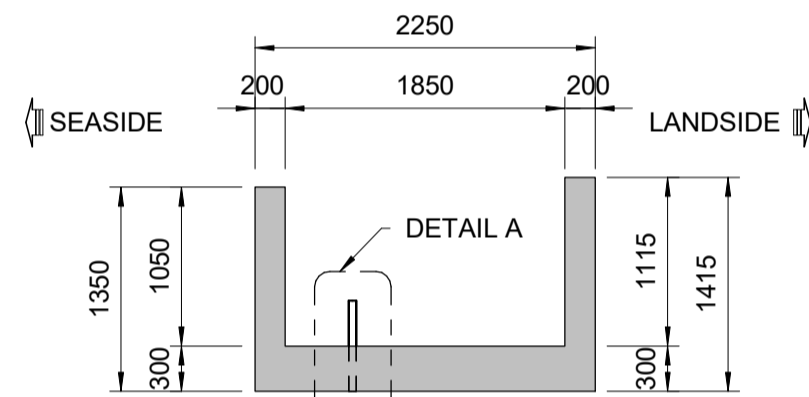
| PRECAST FRONT CRANE BEAM |                |                    |
|--------------------------|----------------|--------------------|
| UNIT                     | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| FC5                      | 14             | 18.83              |



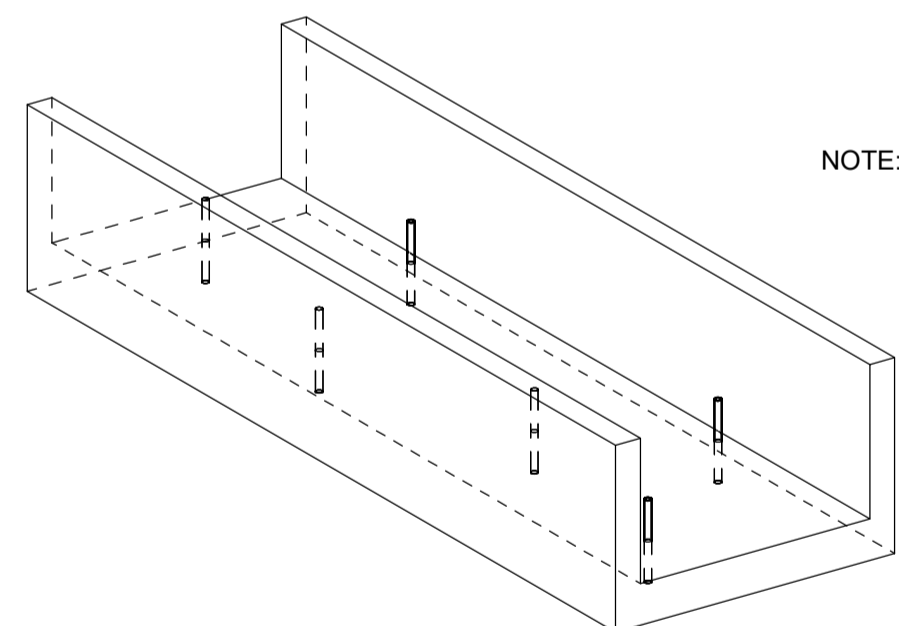
**PLAN**  
SCALE 1 : 50



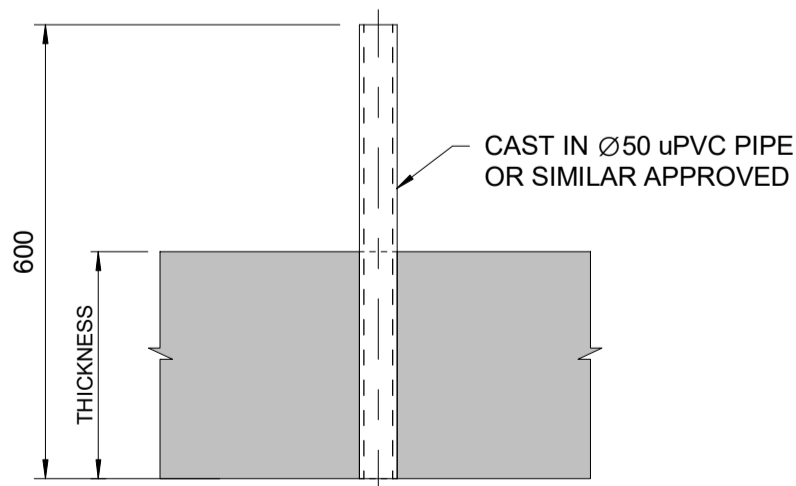
**ELEVATION 5-5**  
SCALE 1 : 50



**SECTION 6-6**  
SCALE 1 : 50



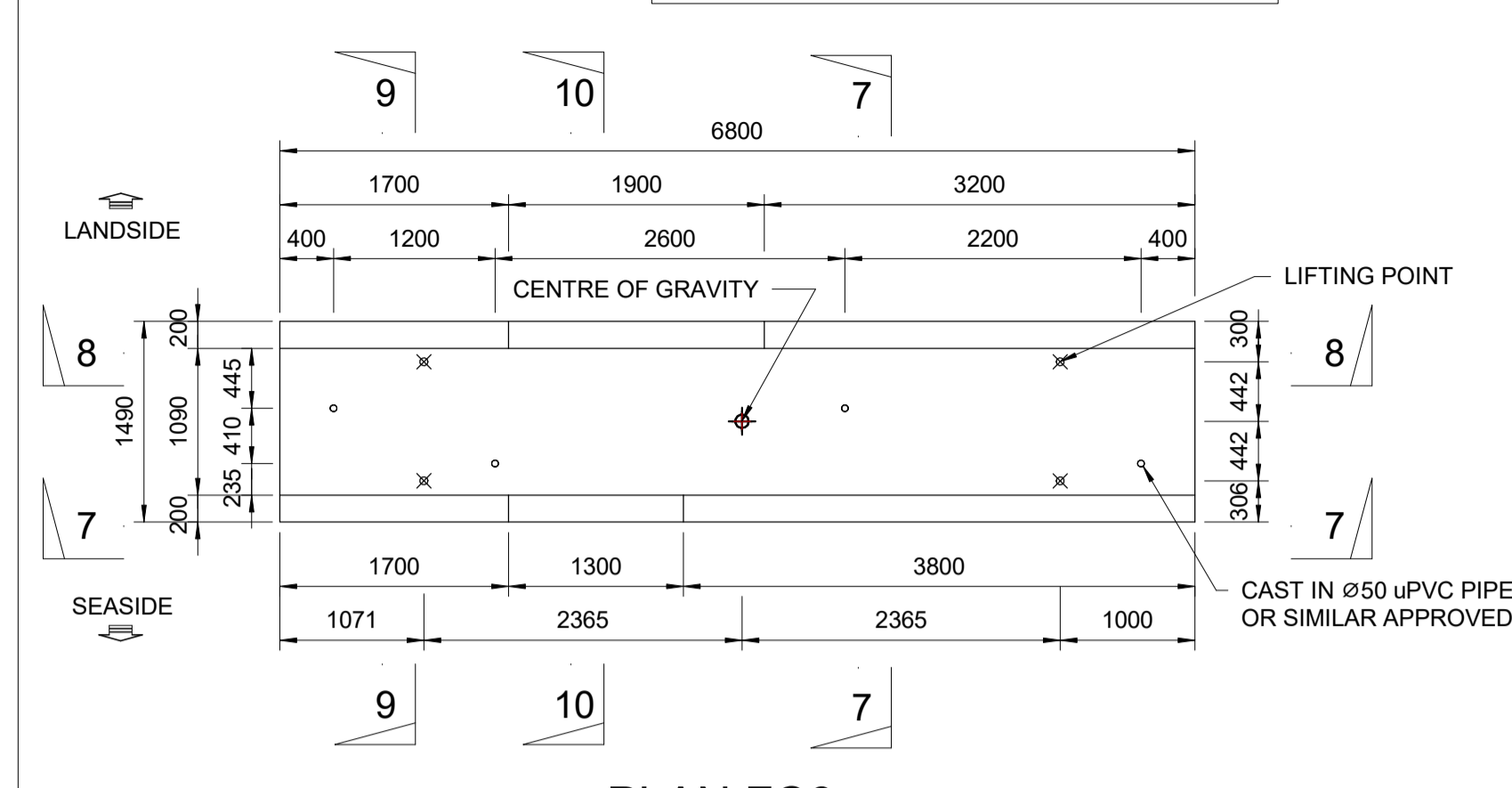
**PERSPECTIVE**



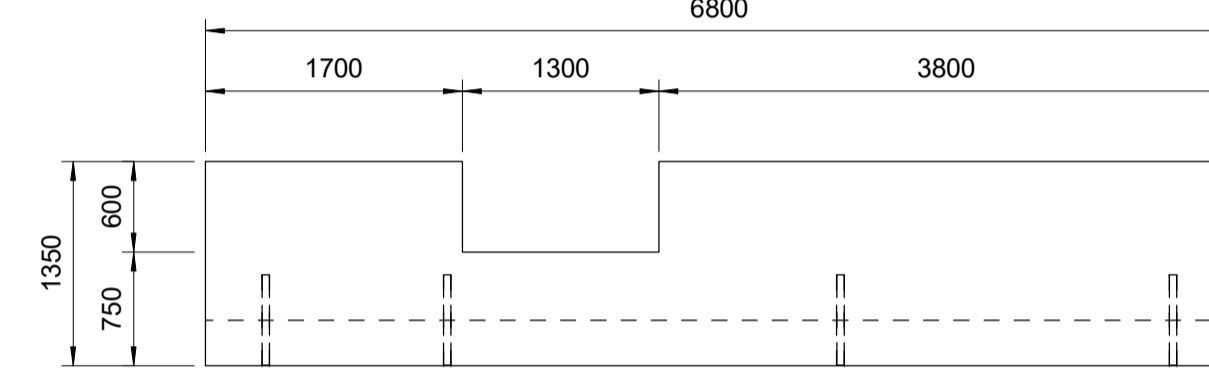
**DETAIL A (DRAIN HOLE)**  
SCALE 1 : 10

NOTE: REINFORCEMENT NOT SHOWN.

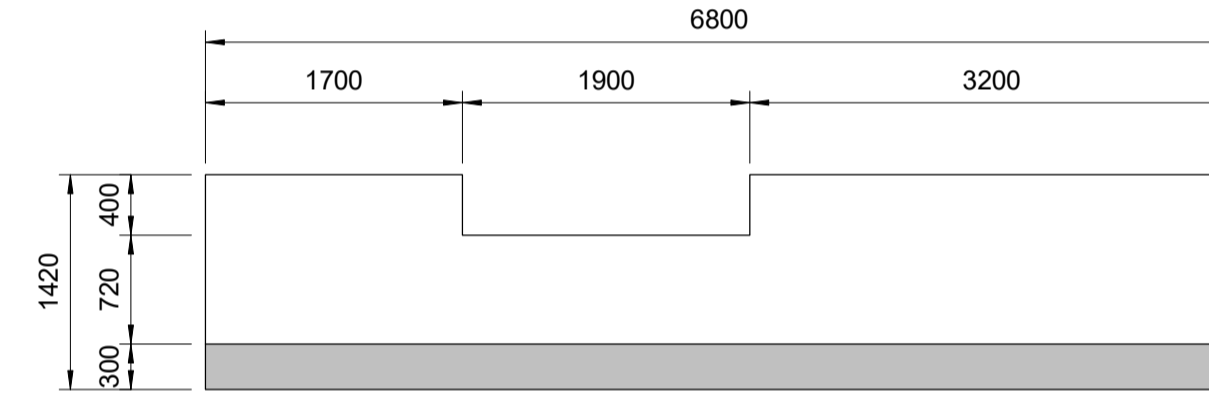
| PRECAST FRONT CRANE BEAM |                |                    |
|--------------------------|----------------|--------------------|
| UNIT                     | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| FC6                      | 1              | 14.20              |
| FC6A                     | 1              | 14.20              |



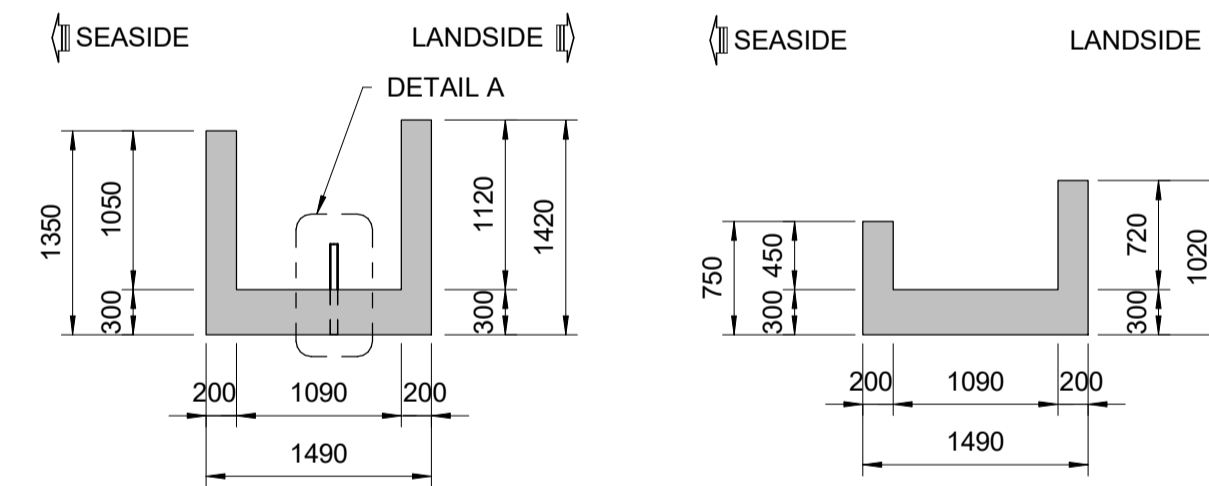
**PLAN FC6**  
SCALE 1 : 50



**ELEVATION 7-7**  
SCALE 1 : 50

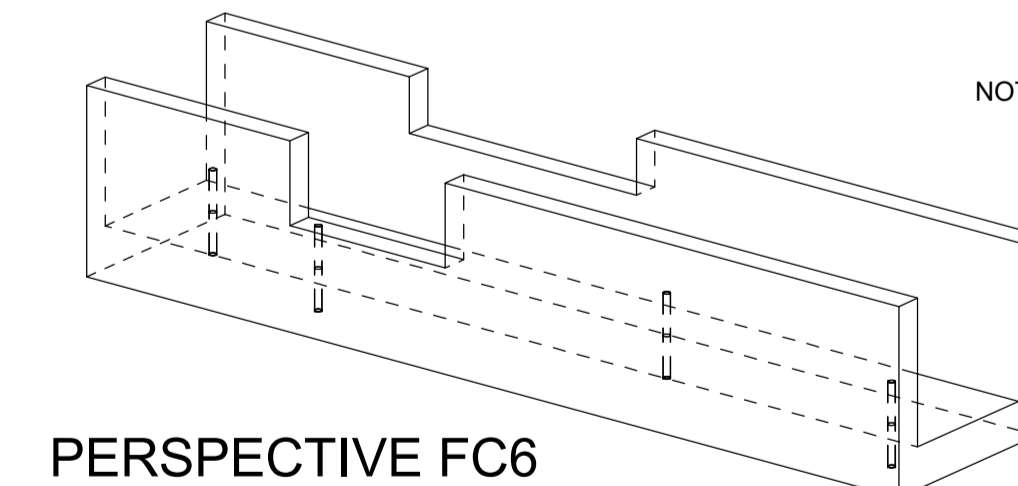


**SECTION 8-8**  
SCALE 1 : 50

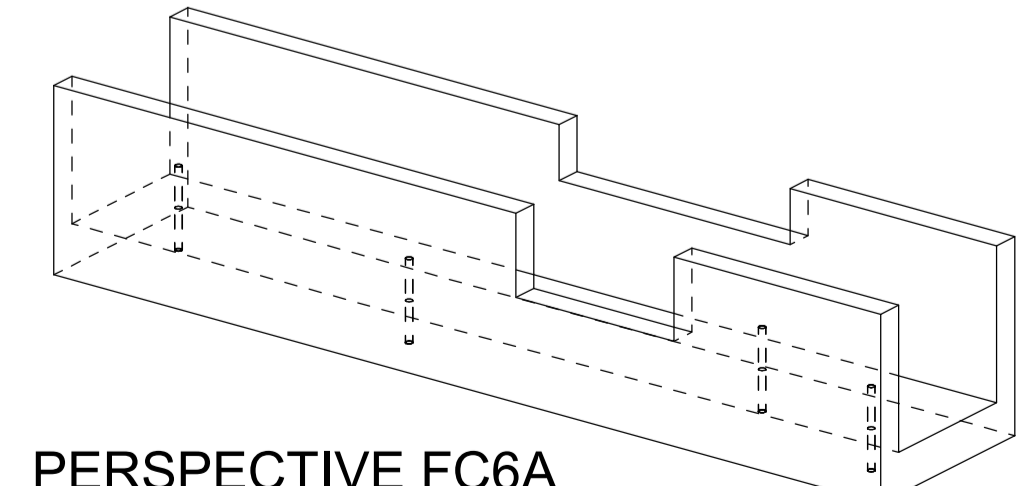


**SECTION 9-9**  
SCALE 1 : 50

**SECTION 10-10**  
SCALE 1 : 50

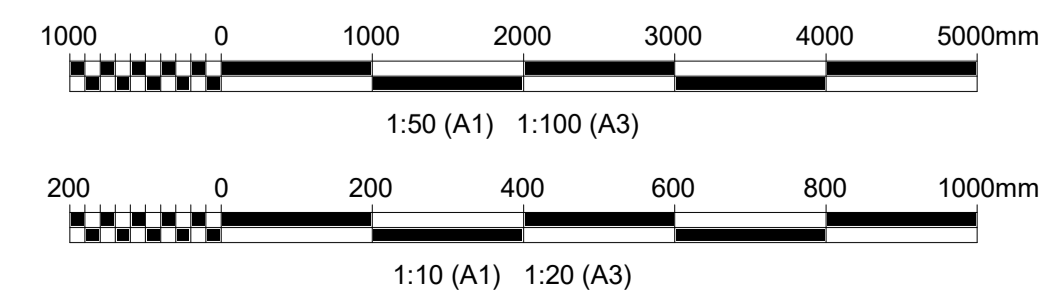


**PERSPECTIVE FC6**



**PERSPECTIVE FC6A**

NOTE: REINFORCEMENT NOT SHOWN.



**NOTES:**

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- CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
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- ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

**REFERENCE DRAWINGS:**

- BI1884-RHD-06-CT-DR-C-2121 to 2122
- BI1884-RHD-06-CT-DR-C-2211 to 2214

**LEGEND:**

- COG: CENTER OF GRAVITY
- LOCATION OF LIFTING POINT ASSUMED IN DESIGN

|      |                       |                    |                      |                    |            |
|------|-----------------------|--------------------|----------------------|--------------------|------------|
| Rev. | Final Submission      | GP                 | PV                   | AM                 | 25-08-2023 |
|      | FOR REVIEW            | HD                 | PV                   | AM                 | 01-08-2023 |
|      | Description/Përshkrim | Drawn/ Te vizatuar | Checked/ Kontrolluar | Approved/ Miratuar | Date/ Data |

Client/Porositësi: **DURRËS PORT AUTHORITY / Autoriteti Portual Durrës**  
 Project/Projekti: **Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano**

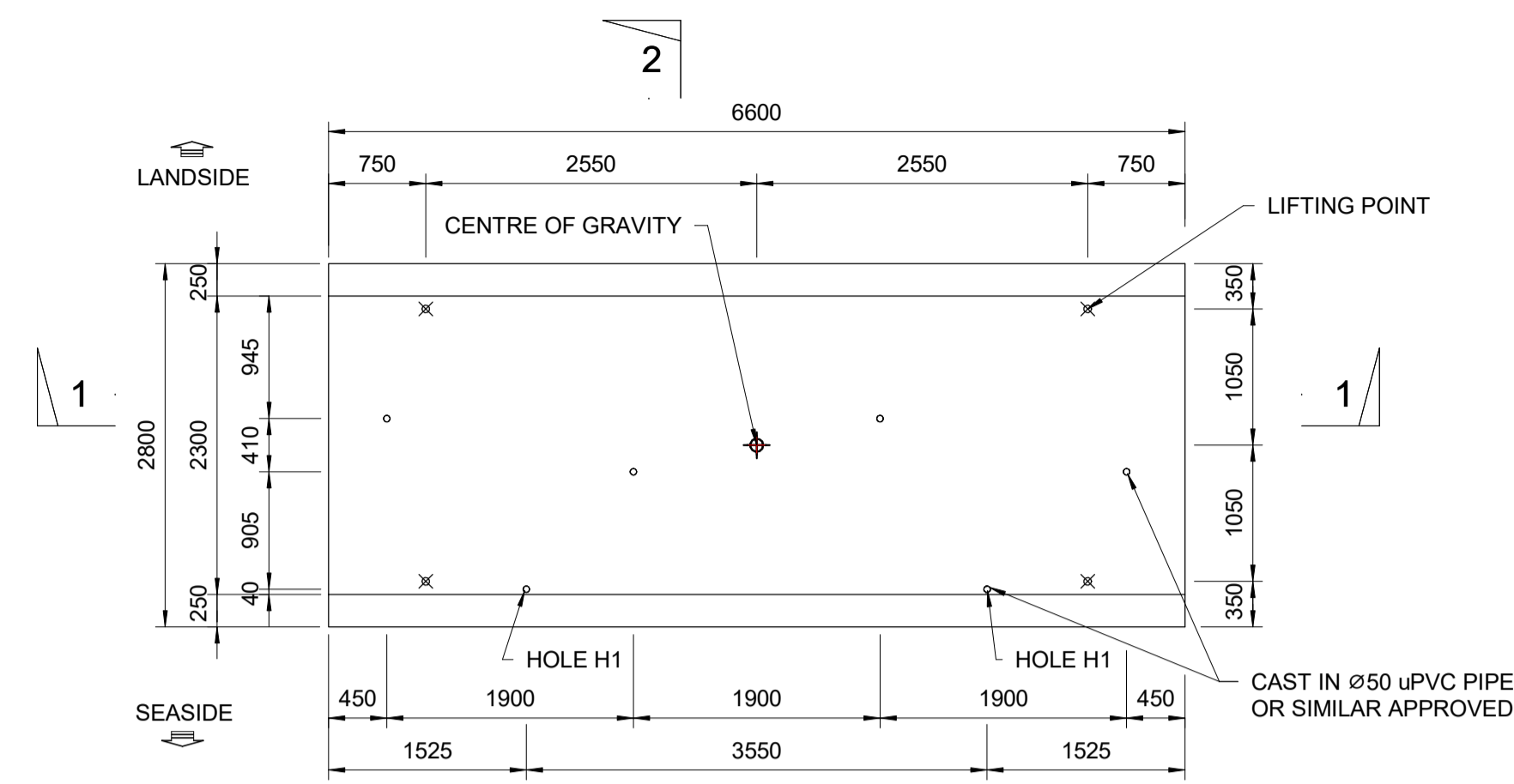
Discipline/Disiplina: **Offshore - Civil**

|                                                                     |                                    |                                  |                                |
|---------------------------------------------------------------------|------------------------------------|----------------------------------|--------------------------------|
| Scale/Shkalla: <b>As indicated</b>                                  | Phase/Faza: <b>Detailed Design</b> | Sheet/foja: <b>1</b> of <b>1</b> | Revision/Përkrahje: <b>P02</b> |
| Drawing Number/Numri i vizatimit: <b>BI1884-RHD-06-CT-DR-C-2152</b> |                                    |                                  |                                |

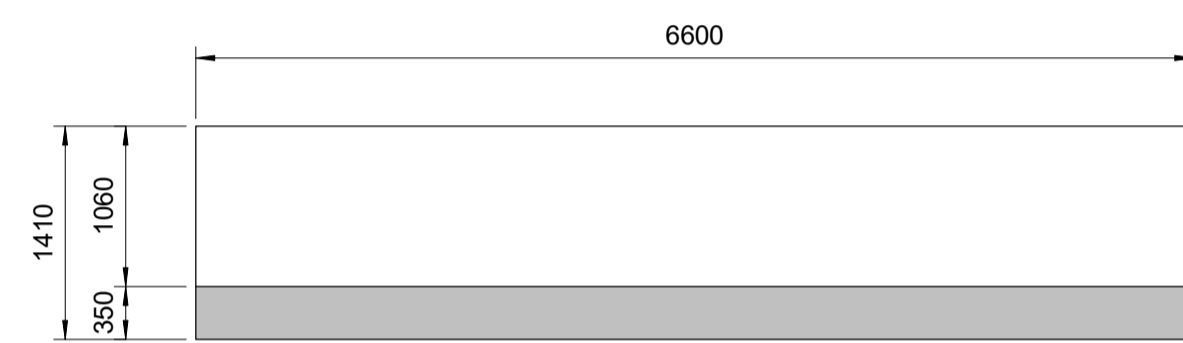
**PRECAST REAR CRANE BEAM**

| UNIT | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
|------|----------------|--------------------|
| RC1  | 7              | 24.91              |
| RC1A | 14             | 24.91              |
| RC1B | 6              | 24.91              |

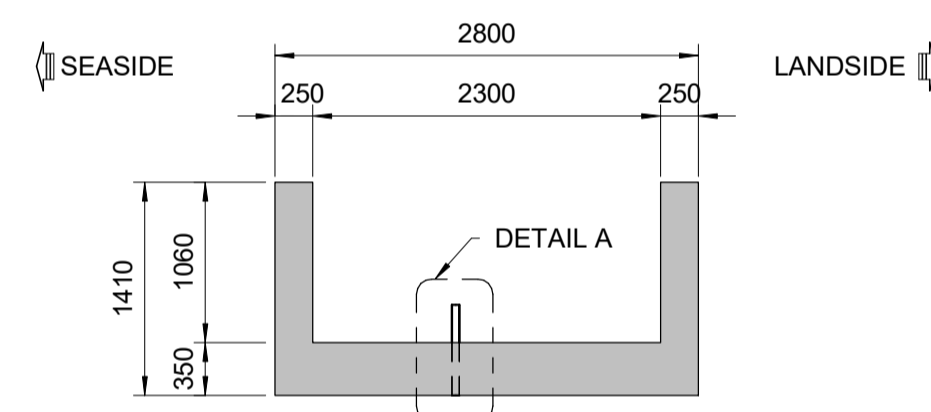
PRECAST BEAMS RC1 AND RC1B ARE SIMILAR TO BEAM RC1A BUT NO HOLES H1.



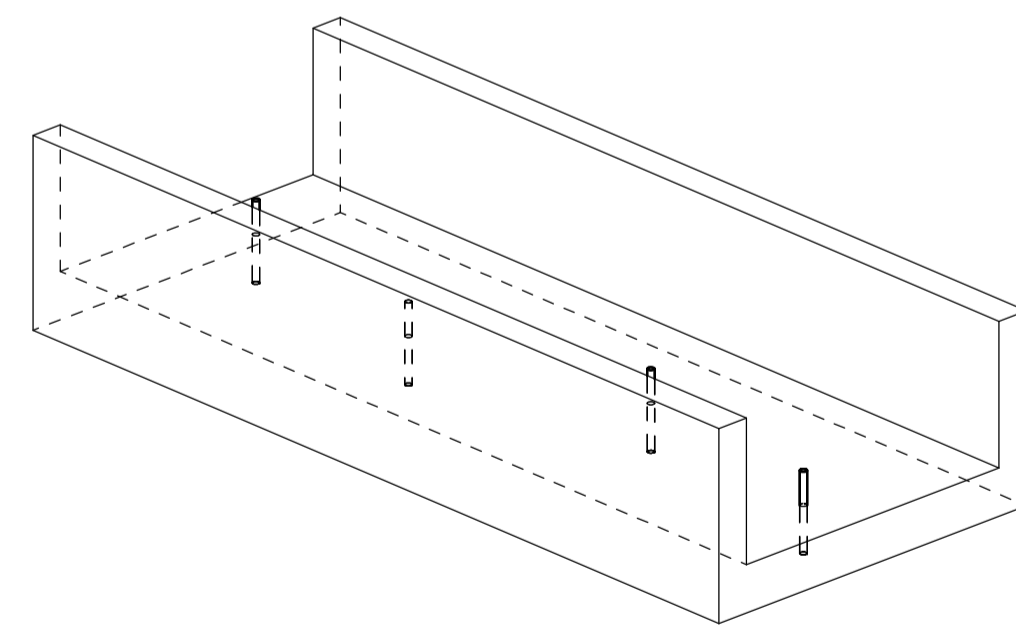
**PLAN RC1A**  
SCALE 1 : 50



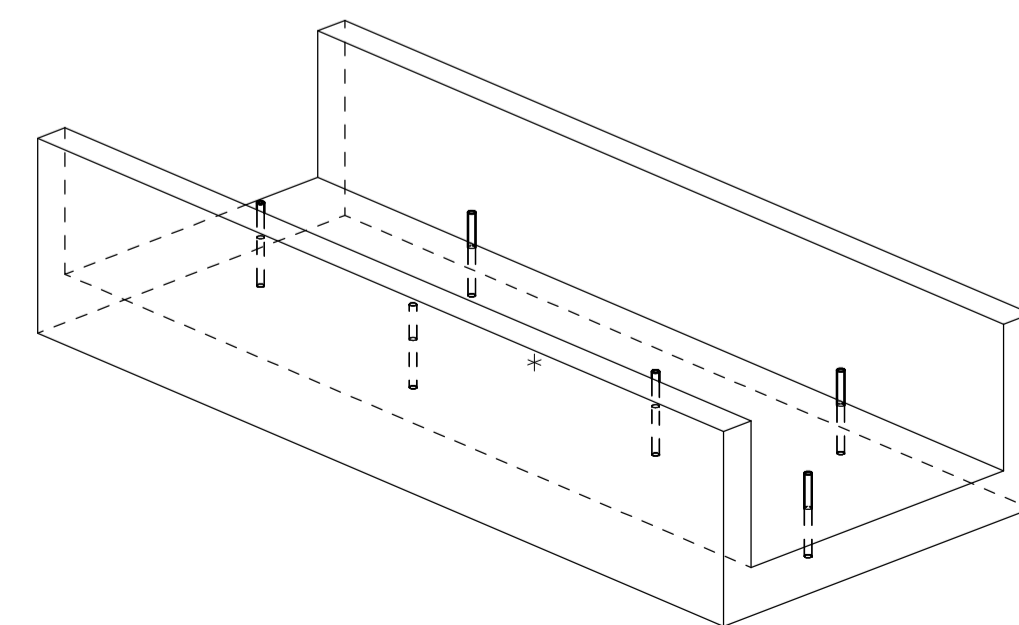
**SECTION 1-1**  
SCALE 1 : 50



**SECTION 2-2**  
SCALE 1 : 50



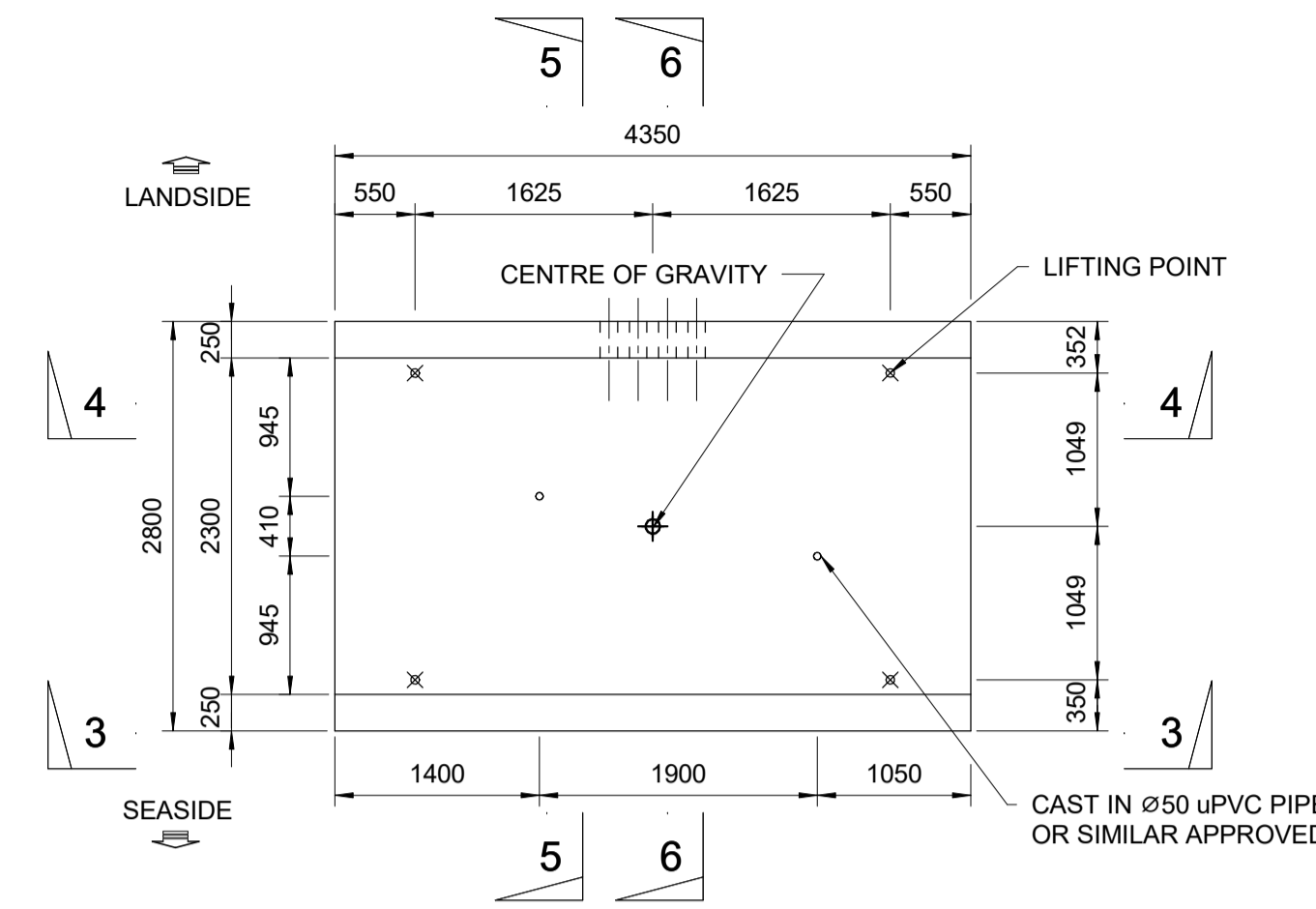
**PERSPECTIVE RC1 & RC1B**



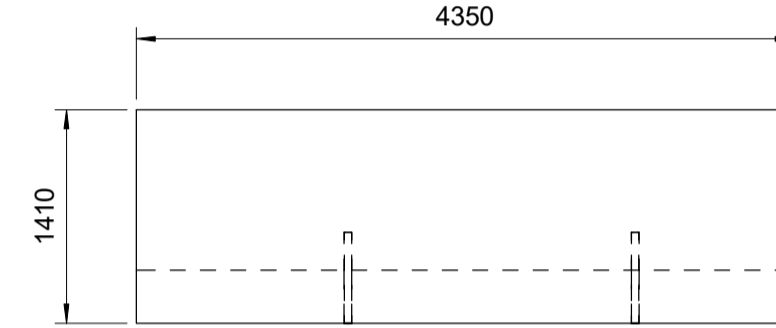
**PERSPECTIVE RC1A**  
NOTE: REINFORCEMENT NOT SHOWN.

**PRECAST REAR CRANE BEAM**

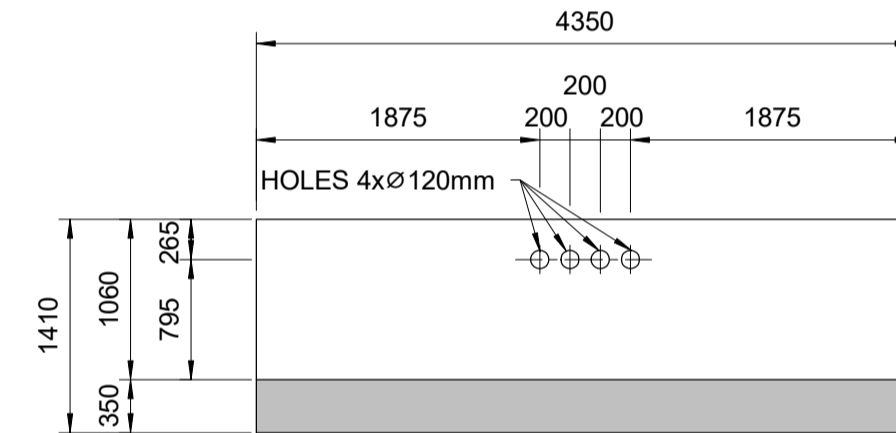
| UNIT | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
|------|----------------|--------------------|
| RC2  | 2              | 16.39              |



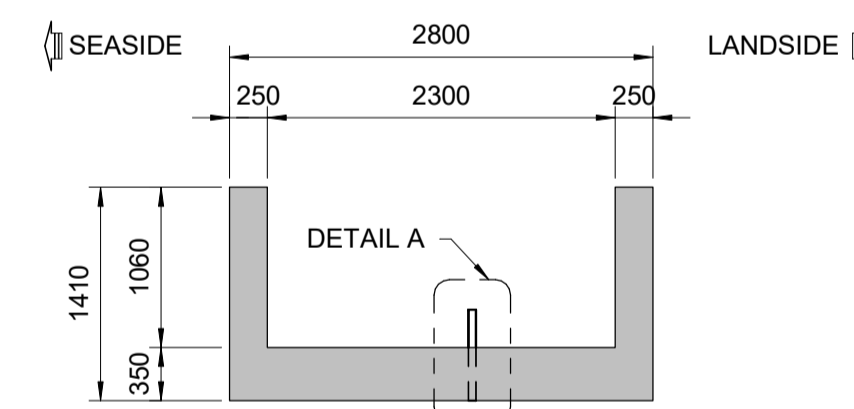
**PLAN**  
SCALE 1 : 50



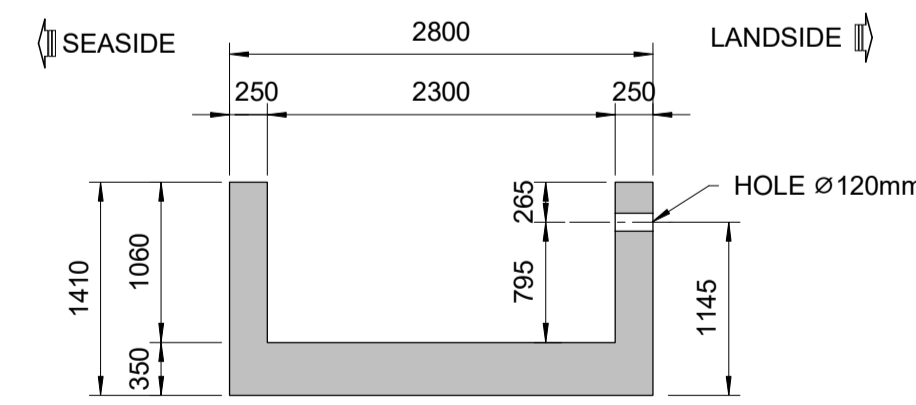
**ELEVATION 3-3**  
SCALE 1 : 50



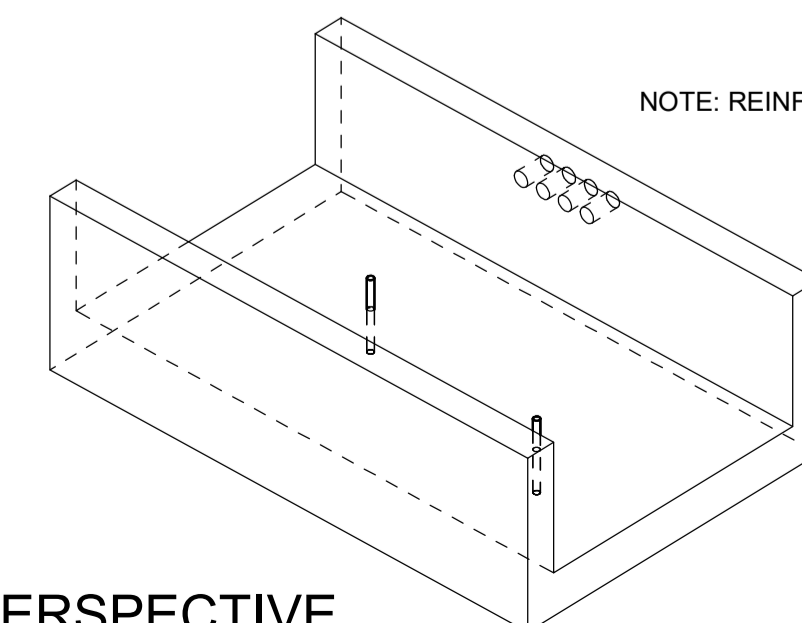
**SECTION 4-4**  
SCALE 1 : 50



**SECTION 5-5**  
SCALE 1 : 50



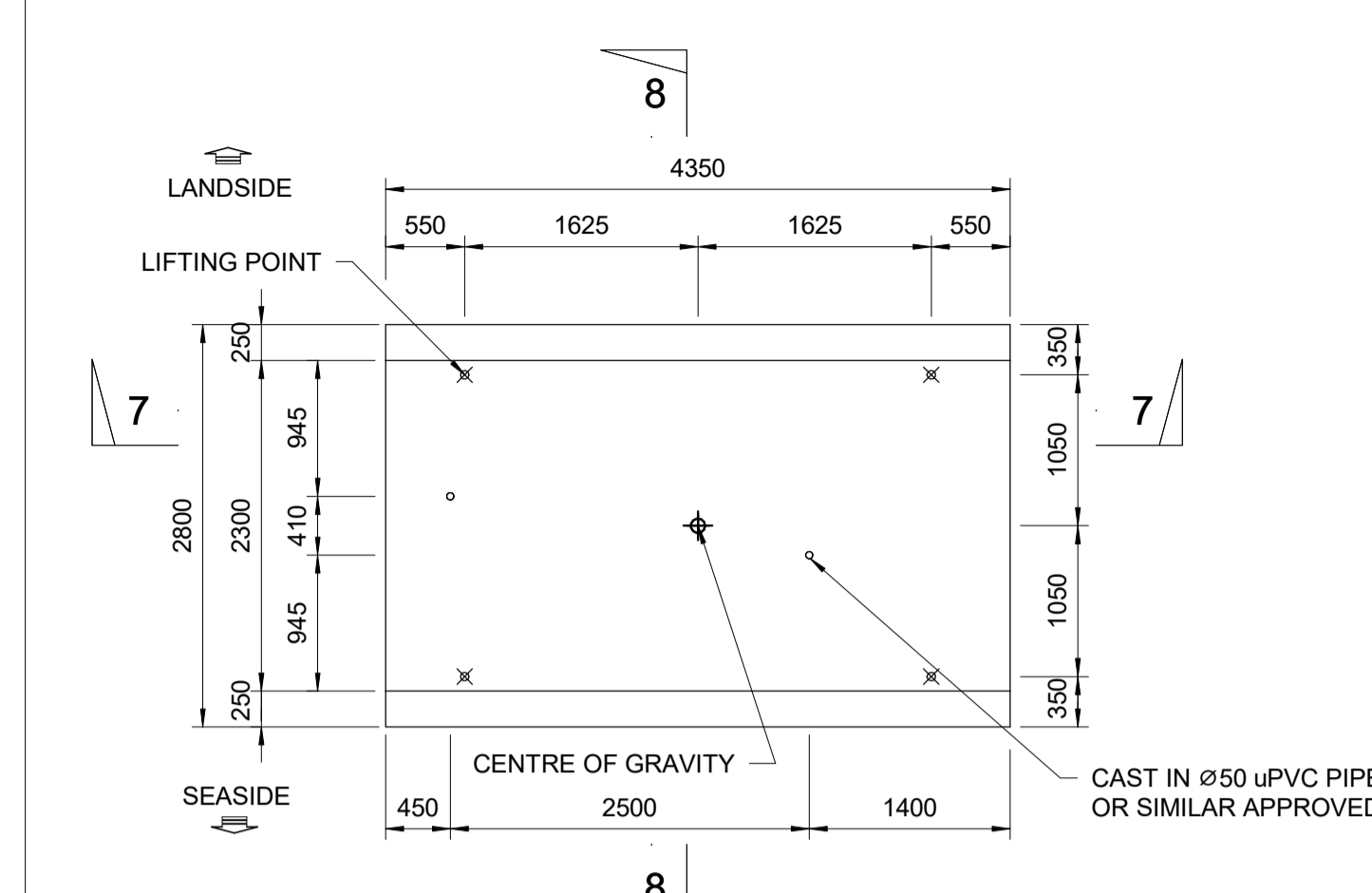
**SECTION 6-6**  
SCALE 1 : 50



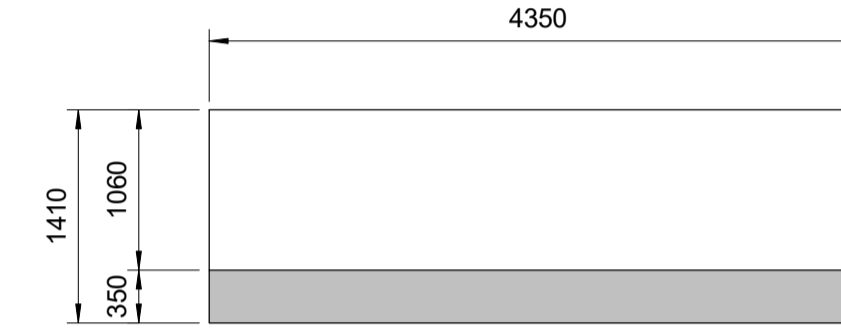
**PERSPECTIVE**  
NOTE: REINFORCEMENT NOT SHOWN.

**PRECAST REAR CRANE BEAM**

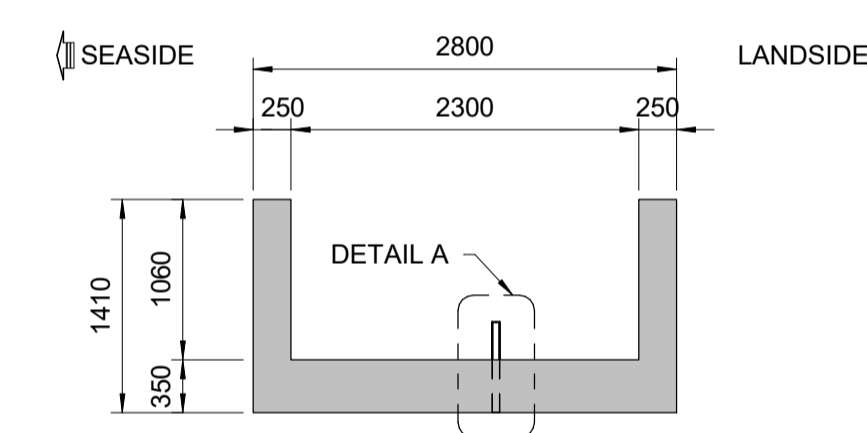
| UNIT | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
|------|----------------|--------------------|
| RC2A | 3              | 16.42              |



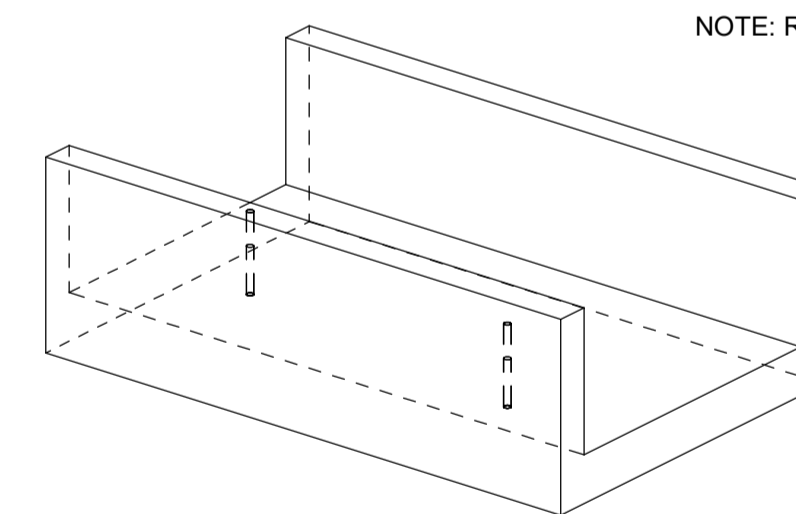
**PLAN**  
SCALE 1 : 50



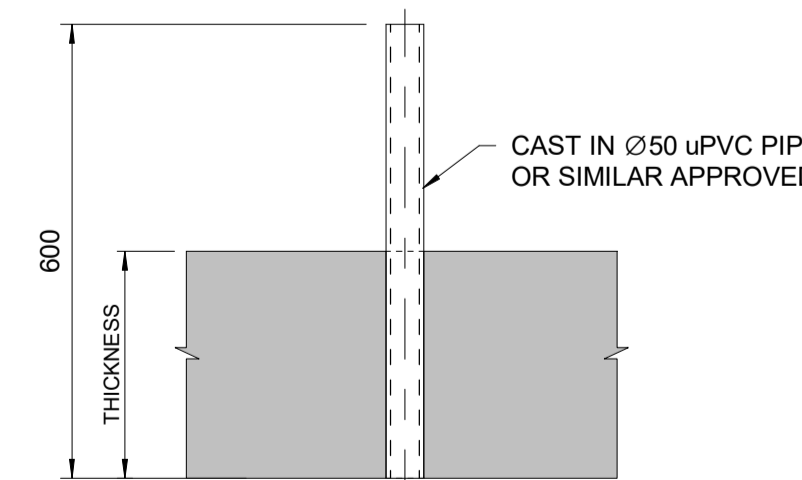
**SECTION 7-7**  
SCALE 1 : 50



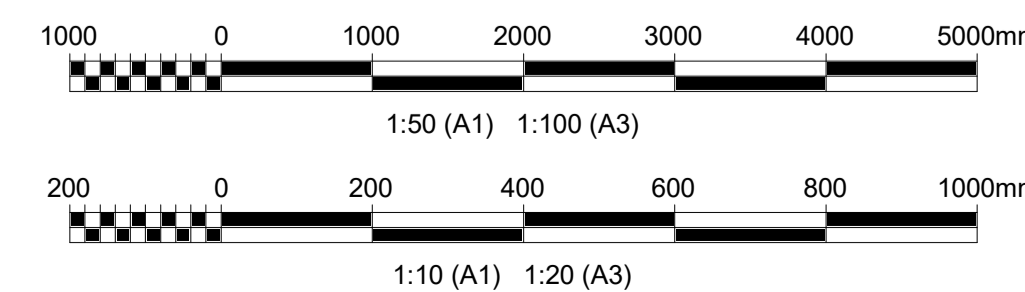
**SECTION 8-8**  
SCALE 1 : 50



**PERSPECTIVE**  
NOTE: REINFORCEMENT NOT SHOWN.



**DETAIL A (DRAIN HOLE)**  
SCALE 1 : 10



**NOTES:**

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- UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
- ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

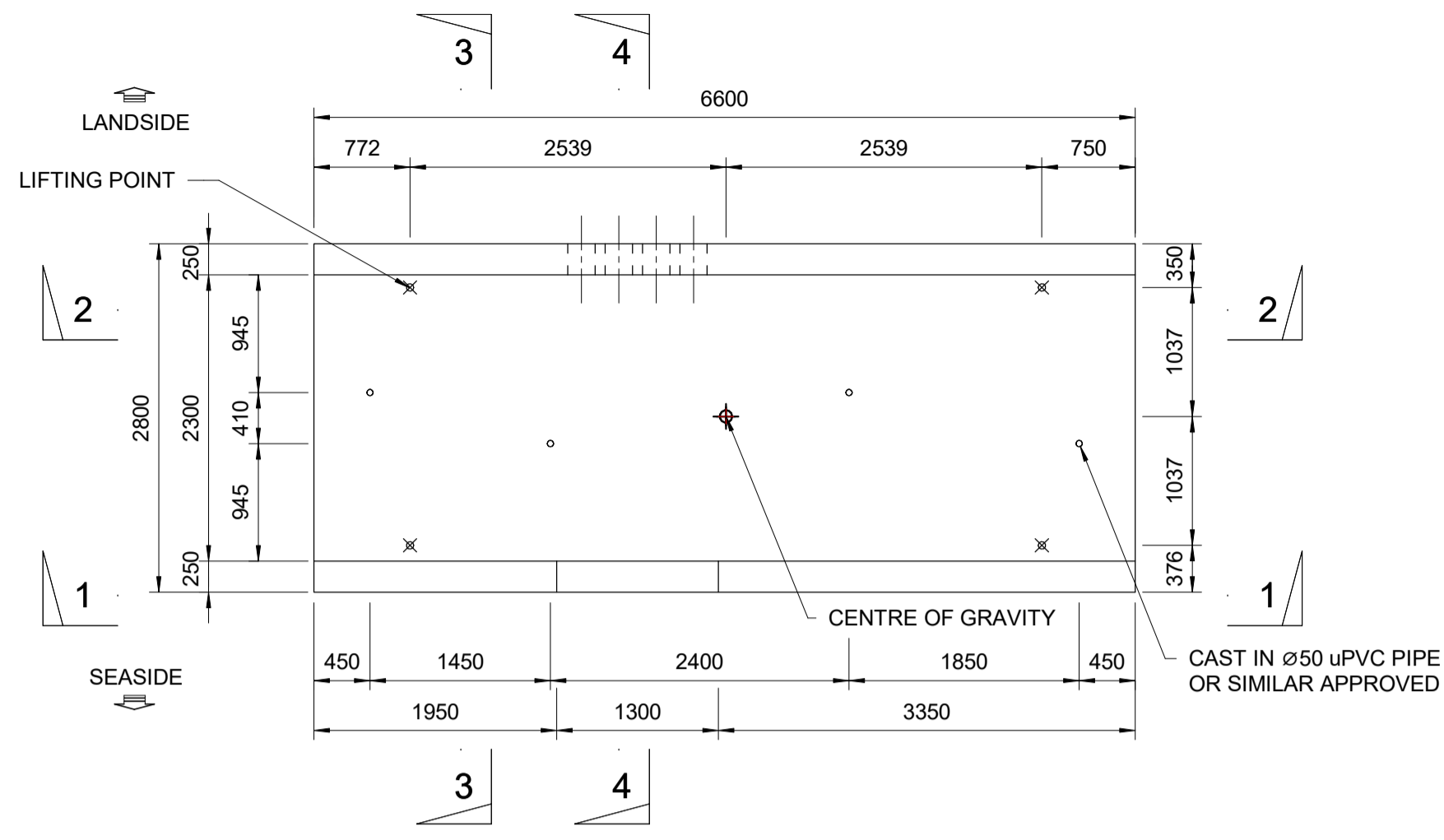
**LEGEND:**

- ⊙ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN

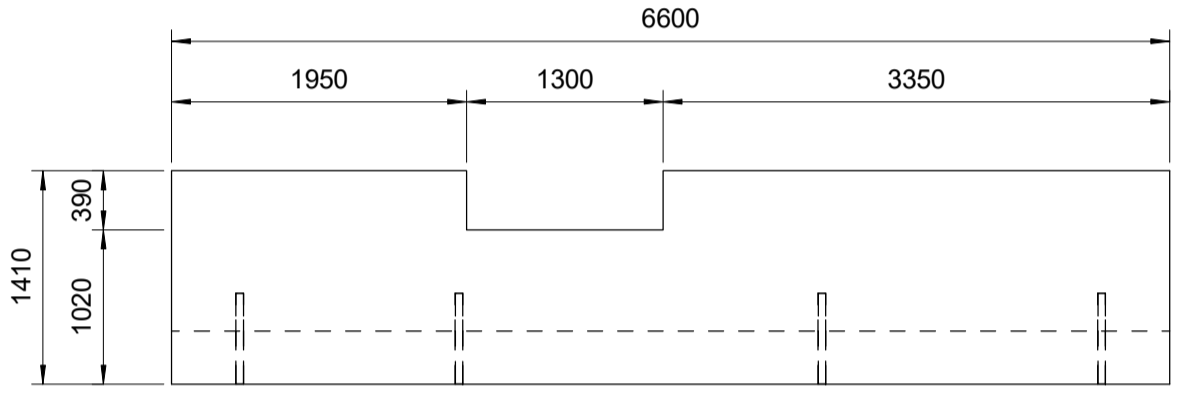
|                                                                                                                   |                                   |                                                                                                                                           |                                 |                       |                                                                     |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------|---------------------------------------------------------------------|
| Rev.                                                                                                              | DESCRIPTION/REVISION              | GP                                                                                                                                        | PV                              | AM                    | 20-08-2023                                                          |
| P01                                                                                                               | FOR REVIEW                        | HD                                                                                                                                        | PV                              | AM                    | 01-08-2023                                                          |
| Rev.                                                                                                              | Description/Revisiun              | Drawn/<br>Te vizatuar                                                                                                                     | Checked/<br>Kontrolluar         | Approved/<br>Miratuar | Date/Date                                                           |
|                                                                                                                   |                                   | Client/Porositësi: <b>DURRËS PORT AUTHORITY / Autoriteti Portual Durrës</b><br>Design Object/Objekt projektimi: <b>Container Terminal</b> |                                 |                       |                                                                     |
| Project/Projekti: <b>Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano</b> |                                   | Discipline/Disiplina: <b>Offshore - Civil</b>                                                                                             |                                 |                       |                                                                     |
| Title/Titulli: <b>Phase 1 Precast Beams RC1, RC1A, RC1B, RC2 and RC2A General Details</b>                         |                                   | Revision/Rahkrimi: <b>P02</b>                                                                                                             |                                 |                       |                                                                     |
| Scale/Shkala: <b>A1</b>                                                                                           | Scale/Shkala: <b>As indicated</b> | Phase/Faza: <b>Detailed Design</b>                                                                                                        | Sheetno./Nr. i fletës: <b>1</b> | of nga: <b>1</b>      | Drawing Number/Numri i vizatimit: <b>BI1884-RHD-06-CT-DR-C-2161</b> |

| PRECAST REAR CRANE BEAM |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| RC3                     | 2              | 24.50              |
| RC3A                    | 7              | 24.50              |

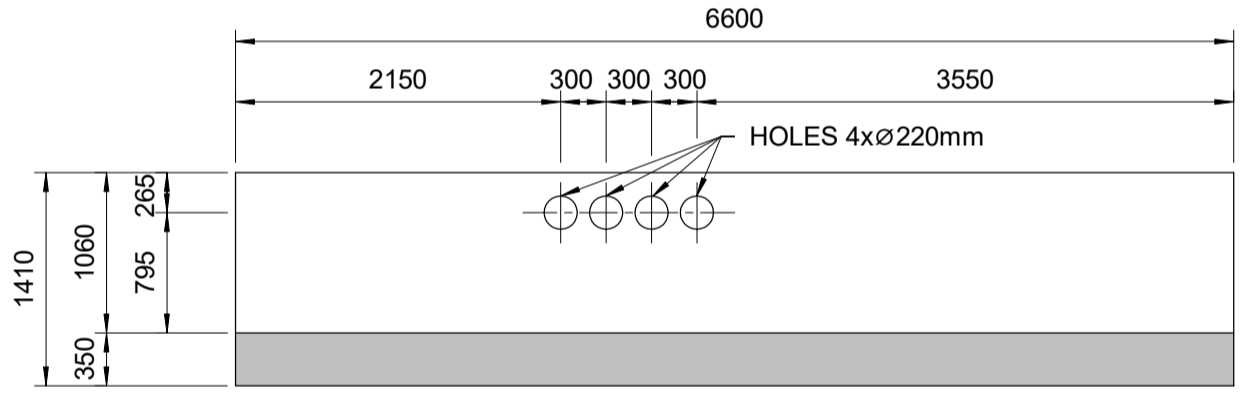
PRECAST BEAM RC3A IS SIMILAR TO RC3 AS SHOWN BELOW WITH MIRRORED LOCATION OF CUTOUT



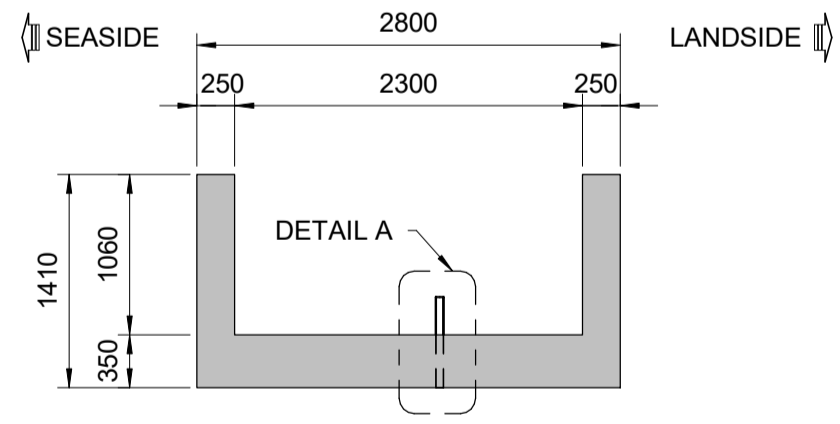
PLAN RC3  
SCALE 1 : 50



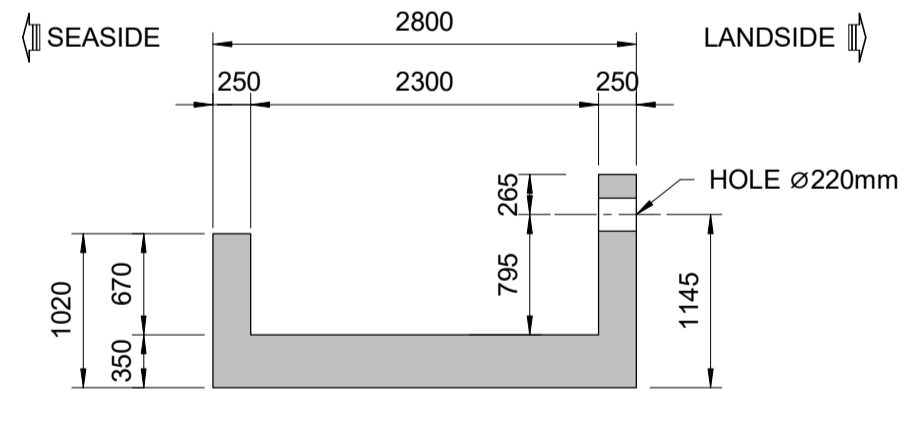
ELEVATION 1-1  
SCALE 1 : 50



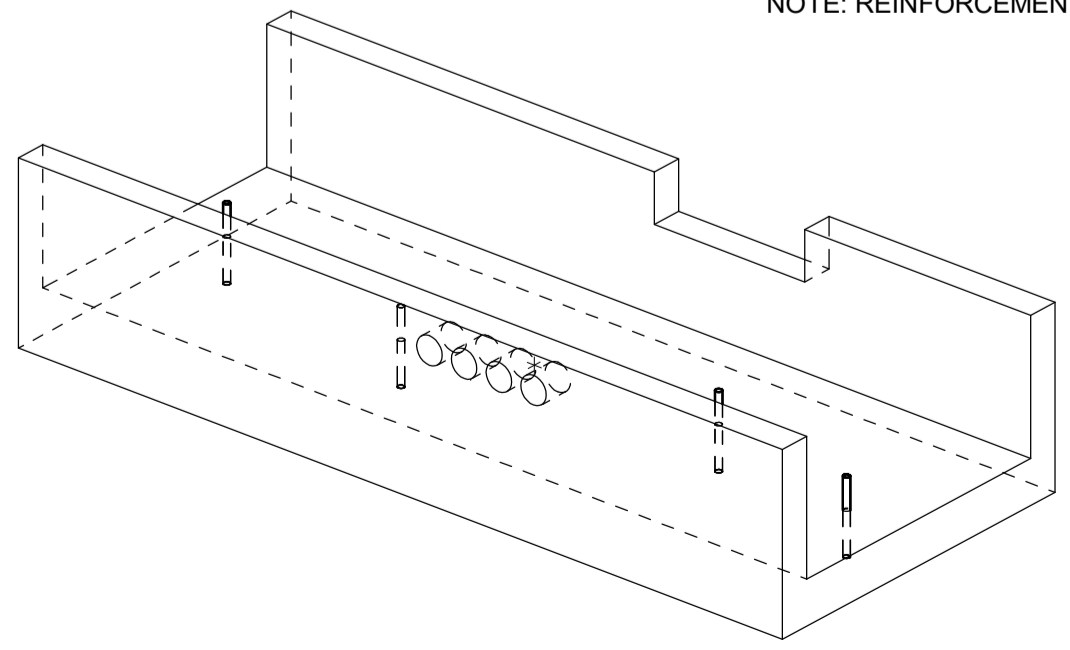
SECTION 2-2  
SCALE 1 : 50



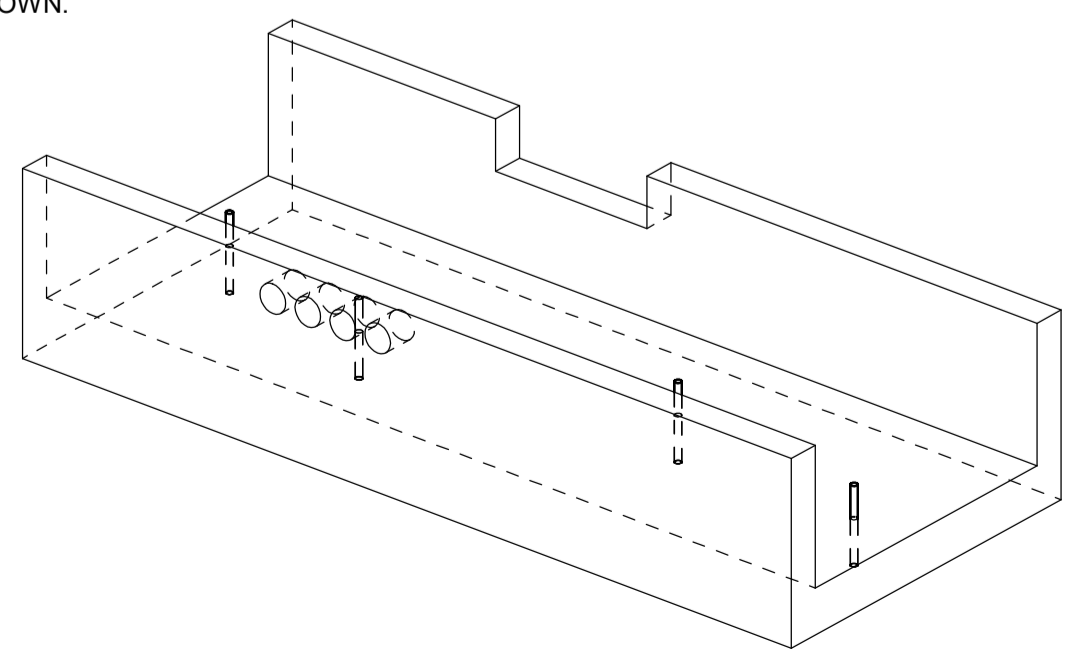
SECTION 3-3  
SCALE 1 : 50



SECTION 4-4  
SCALE 1 : 50



PERSPECTIVE RC3

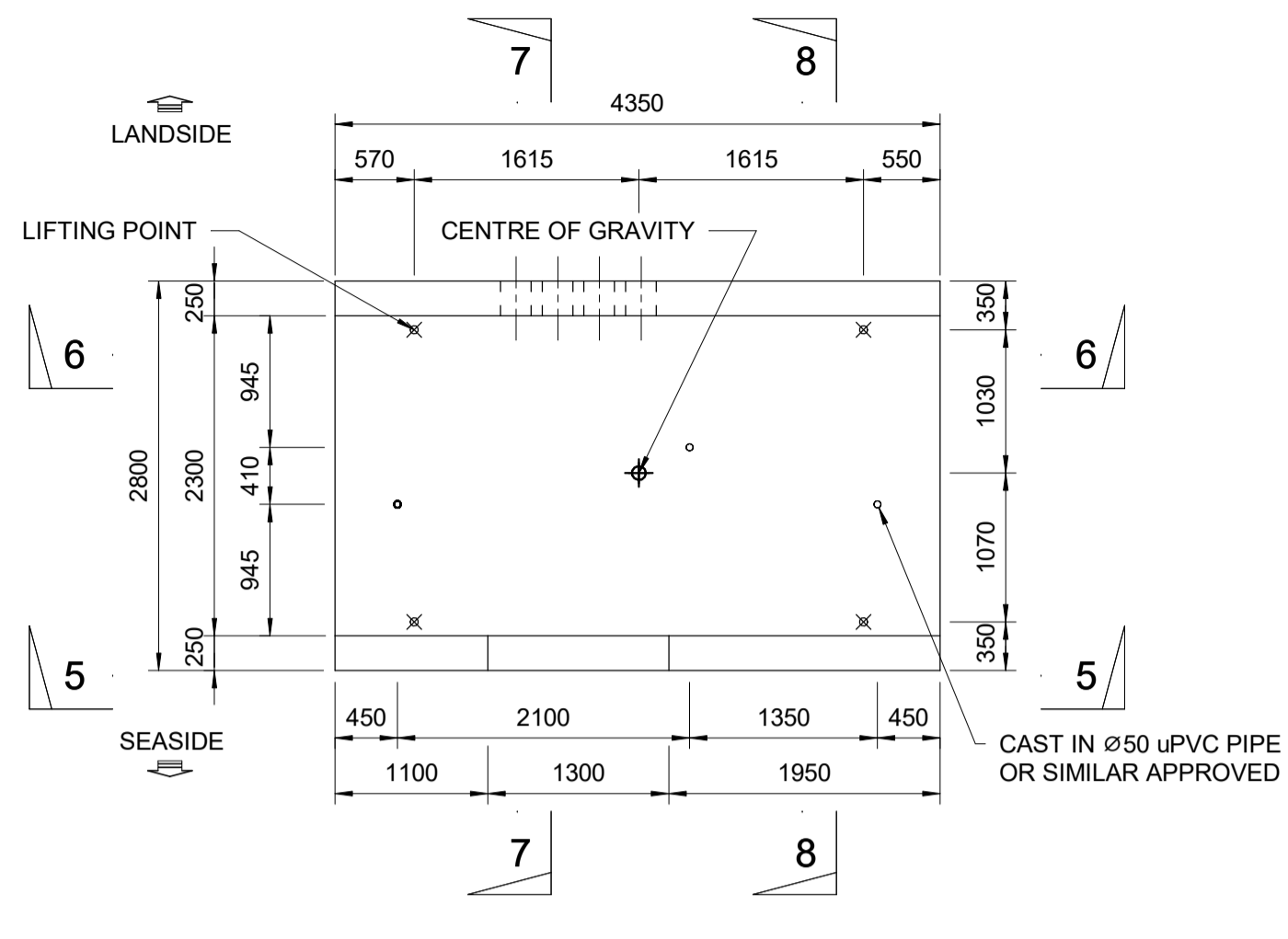


PERSPECTIVE RC3A

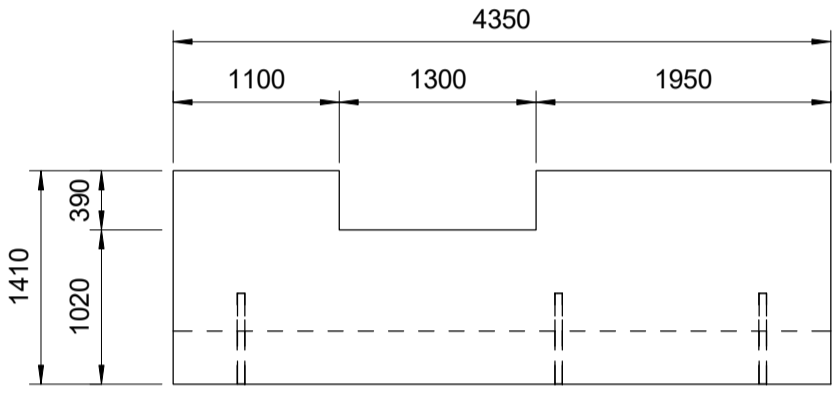
NOTE: REINFORCEMENT NOT SHOWN.

| PRECAST REAR CRANE BEAM |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| RC4                     | 2              | 16.00              |
| RC4A                    | 1              | 16.00              |

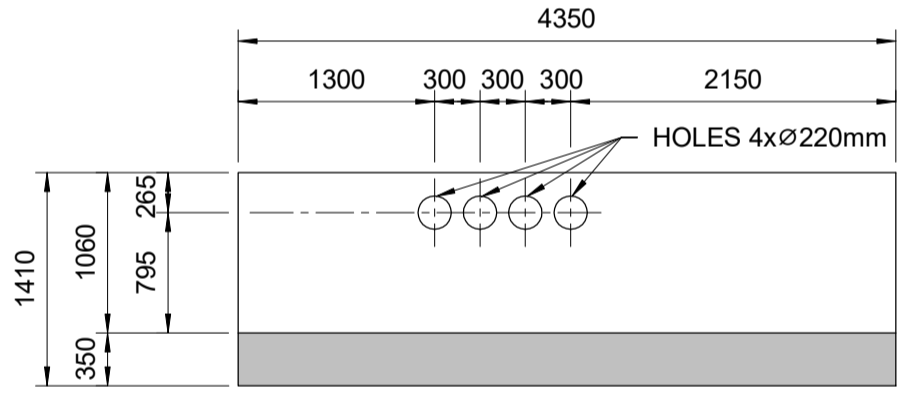
PRECAST BEAM RC4A IS SIMILAR TO RC4 AS SHOWN BELOW WITH MIRRORED LOCATION OF CUTOUT



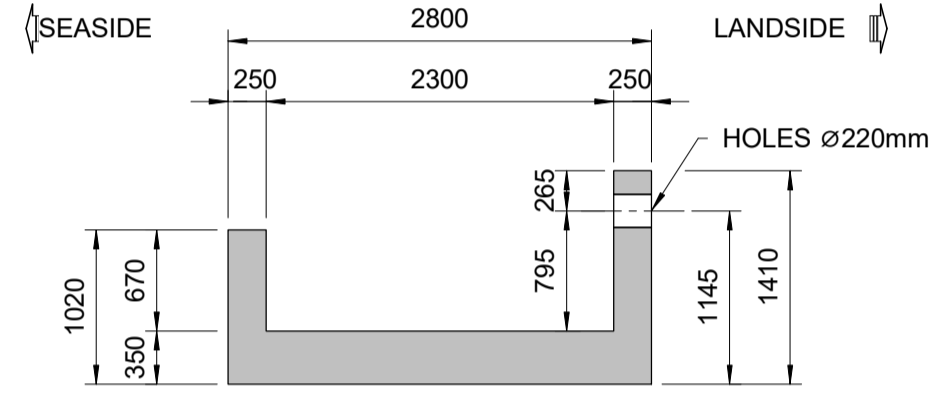
PLAN RC4  
SCALE 1 : 50



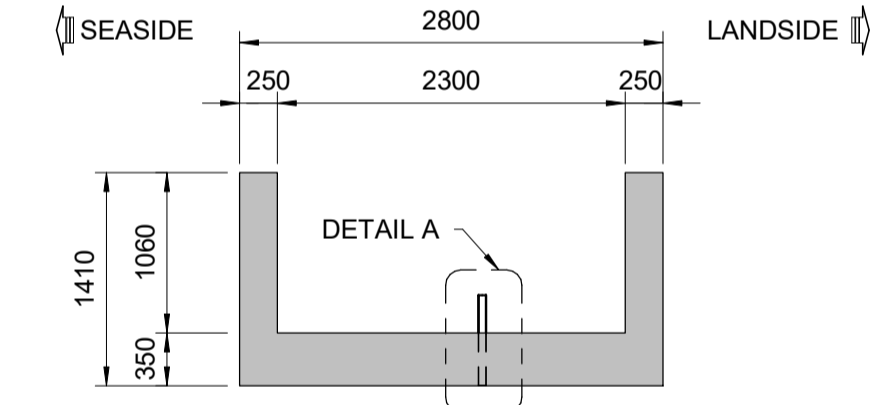
ELEVATION 5-5  
SCALE 1 : 50



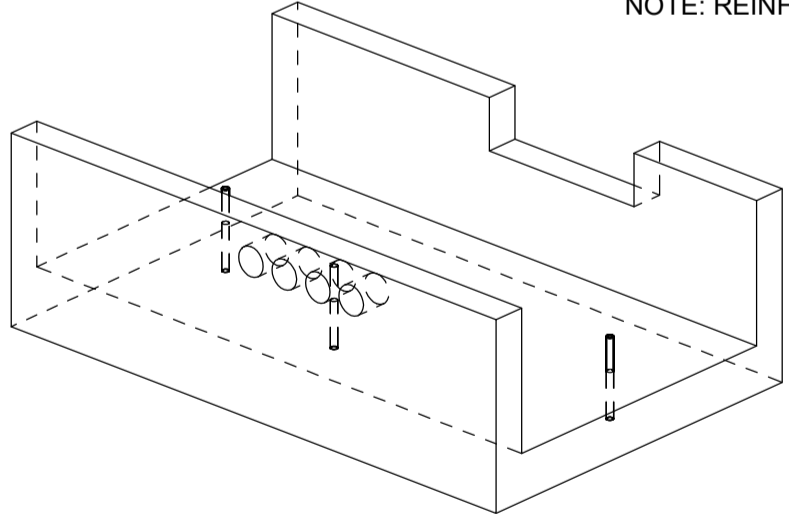
SECTION 6-6  
SCALE 1 : 50



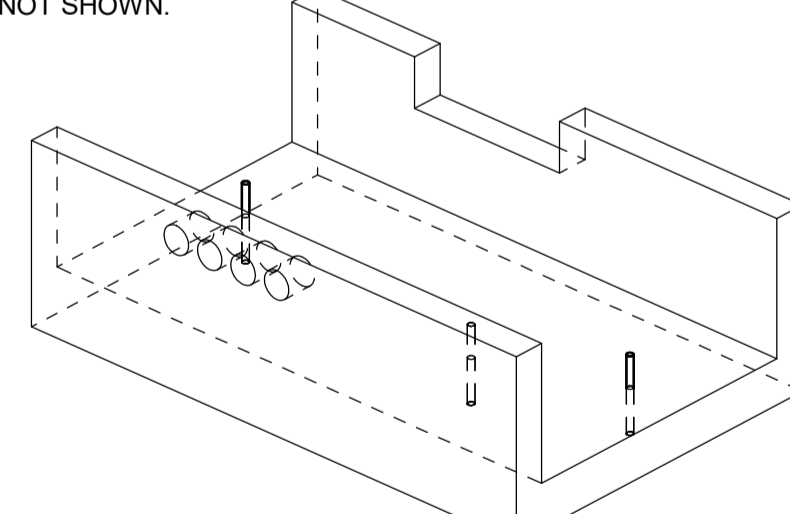
SECTION 7-7  
SCALE 1 : 50



SECTION 8-8  
SCALE 1 : 50

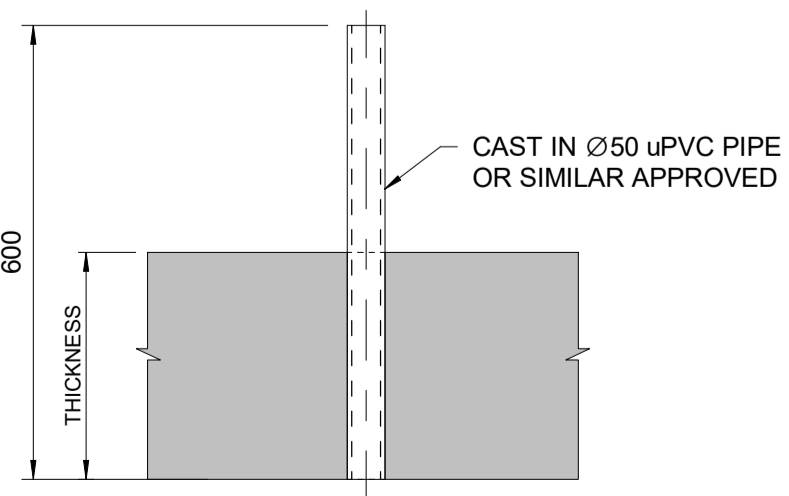


PERSPECTIVE RC4

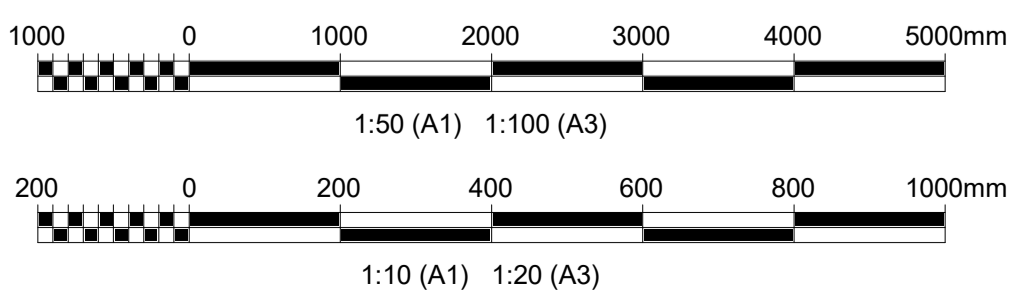


PERSPECTIVE RC4A

NOTE: REINFORCEMENT NOT SHOWN.



DETAIL A (DRAIN HOLE)  
SCALE 1 : 10



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
- ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
- OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
- MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
- LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
- CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
- STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
- UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
- ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

LEGEND:

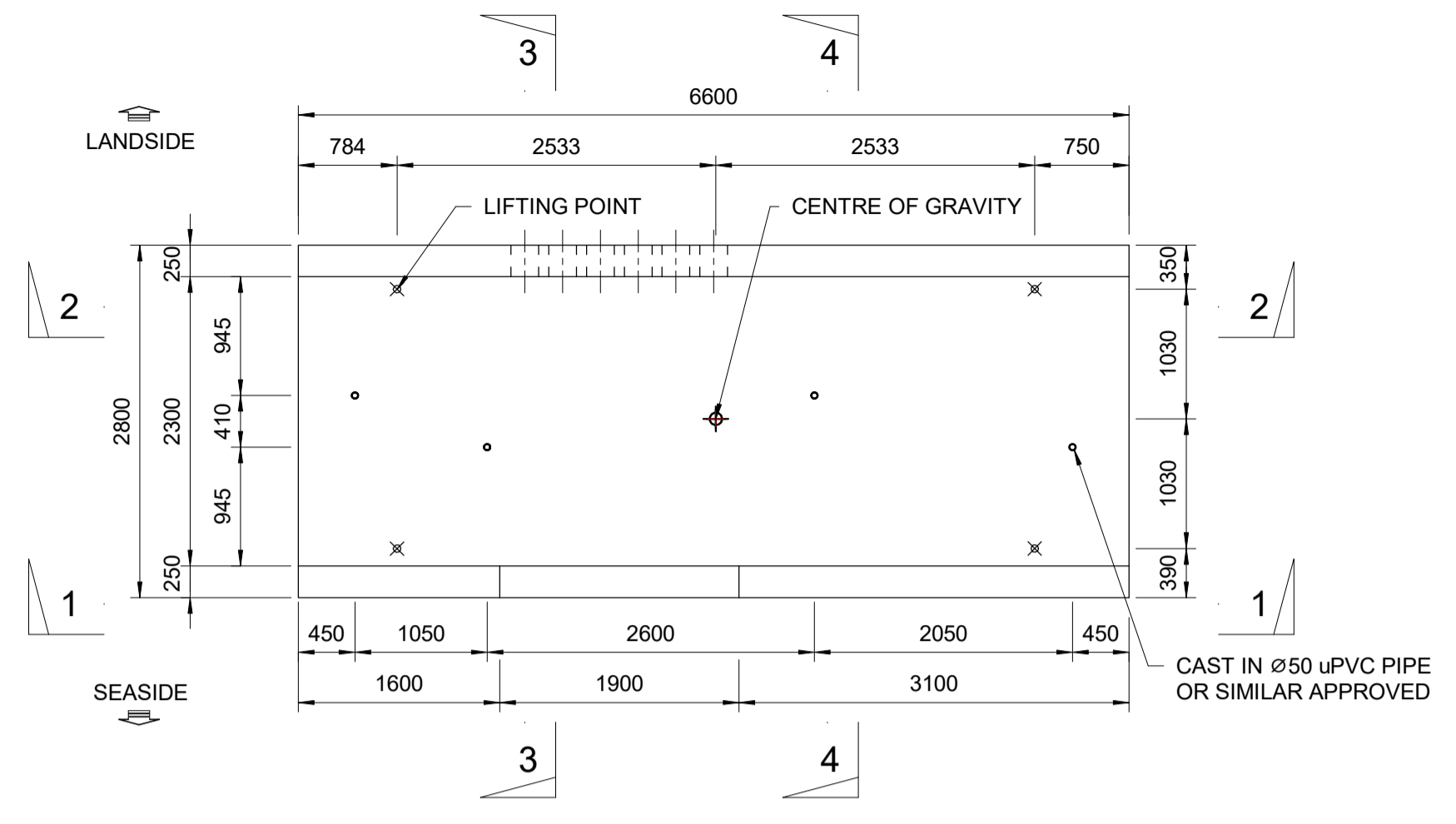
- ⊕ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN

|      |                       |                    |                      |                    |            |
|------|-----------------------|--------------------|----------------------|--------------------|------------|
| Rev. | Final Submission      | GP                 | PV                   | AM                 | 25-08-2023 |
|      | FOR REVIEW            | HD                 | PV                   | AM                 | 01-08-2023 |
|      | Description/Përshkrim | Drawn/ Te vizatuar | Checked/ Kontrolluar | Approved/ Miratuar | Date/Data  |

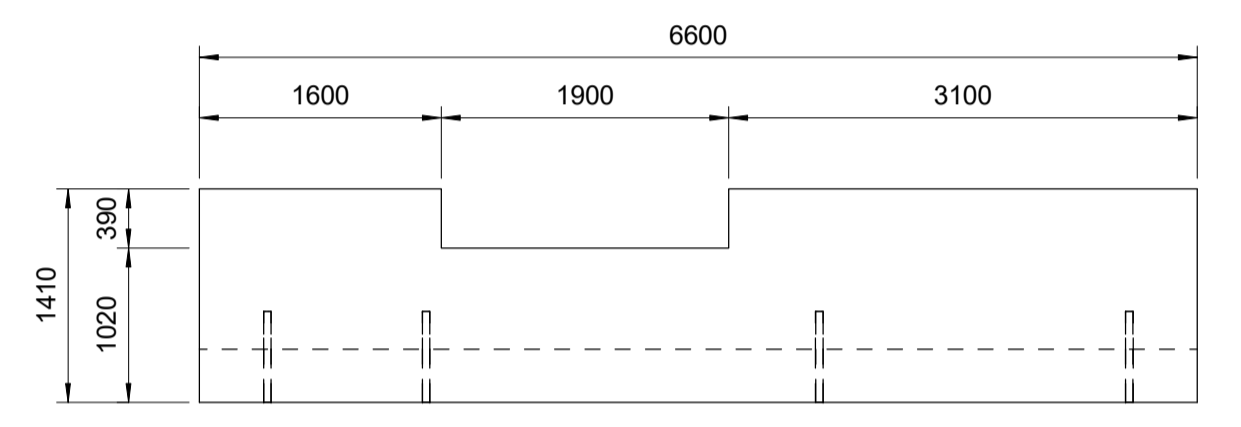
Client/Porositësi: Durrës Port Authority / Autoriteti Portual Durrës  
 Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano  
 Discipline/Disiplina: Offshore - Civil  
 Title/Titulli: Phase 1 Precast Beams RC3, RC3A, RC4 and RC4A General Details  
 Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2162

| PRECAST REAR CRANE BEAM |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| RC5                     | 1              | 24.30              |
| RC5A                    | 1              | 24.30              |

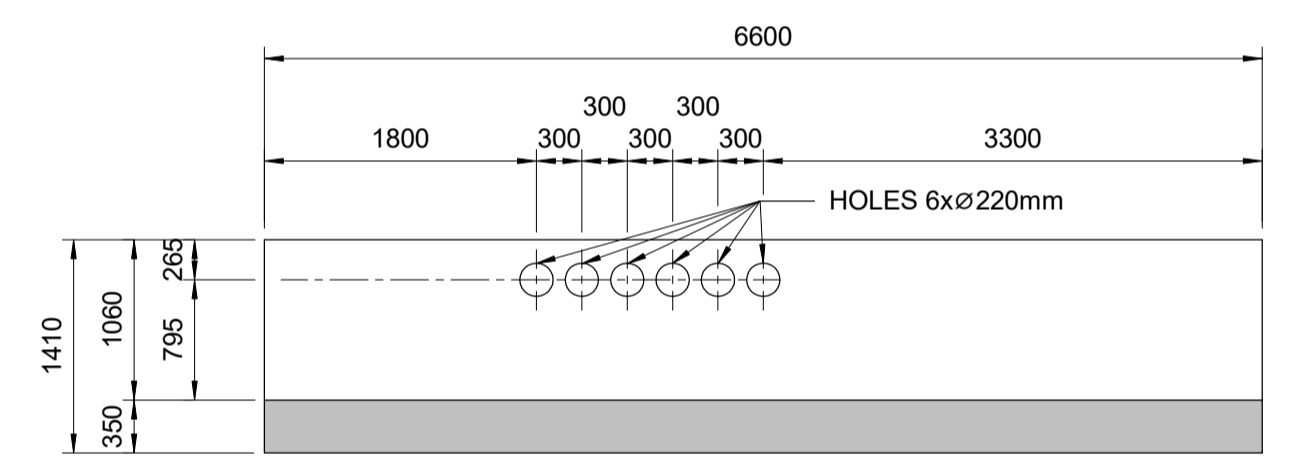
PRECAST BEAM RC5A IS SIMILAR TO RC5 AS SHOWN BELOW WITH MIRRORED LOCATION OF CUTOUT



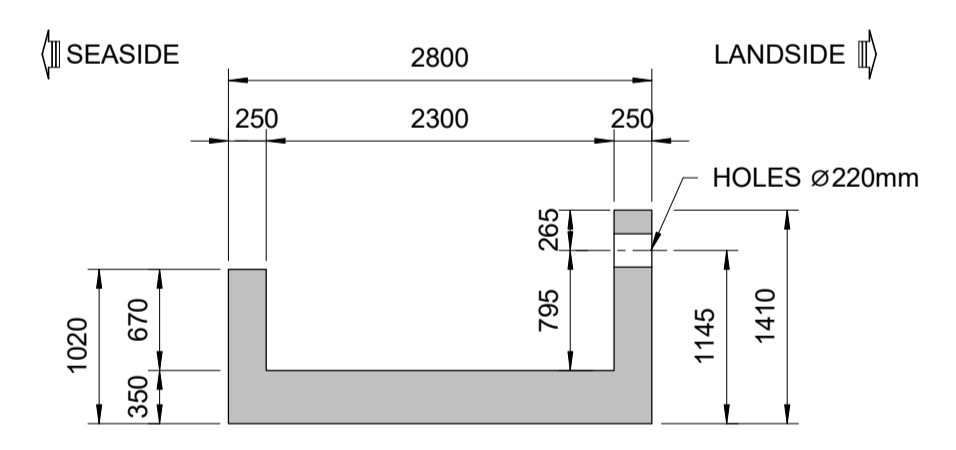
PLAN RC5  
SCALE 1 : 50



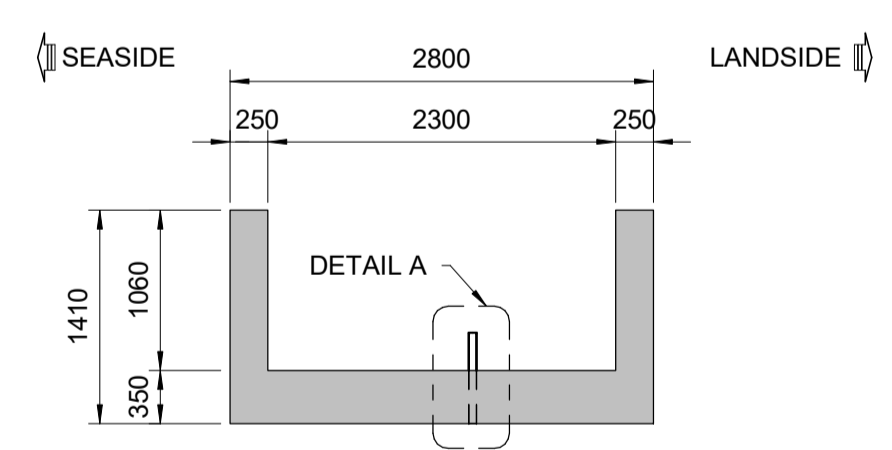
ELEVATION 1-1  
SCALE 1 : 50



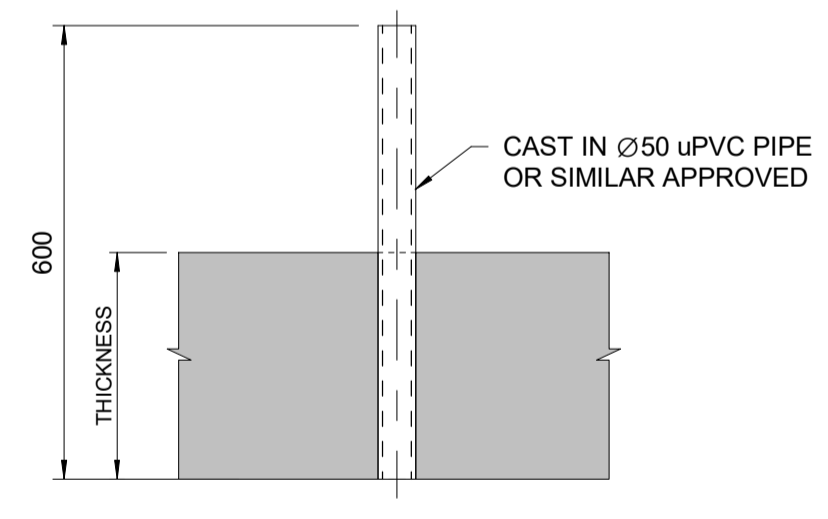
SECTION 2-2  
SCALE 1 : 50



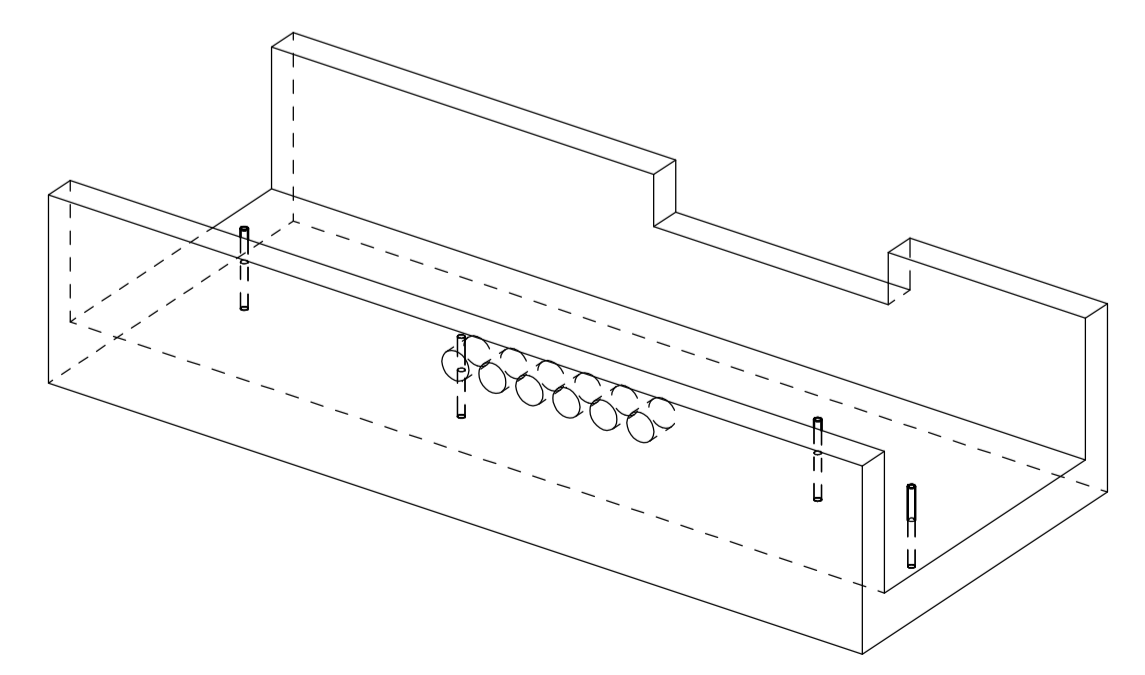
SECTION 3-3  
SCALE 1 : 50



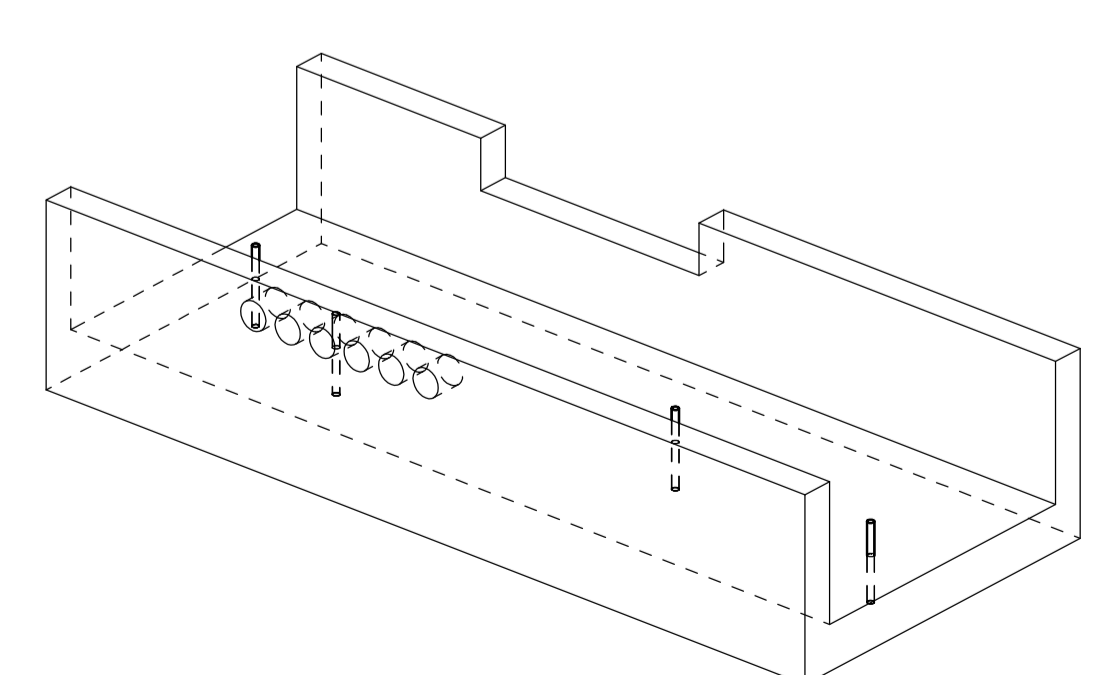
SECTION 4-4  
SCALE 1 : 50



DETAIL A (DRAIN HOLE)  
SCALE 1 : 10



PERSPECTIVE RC5

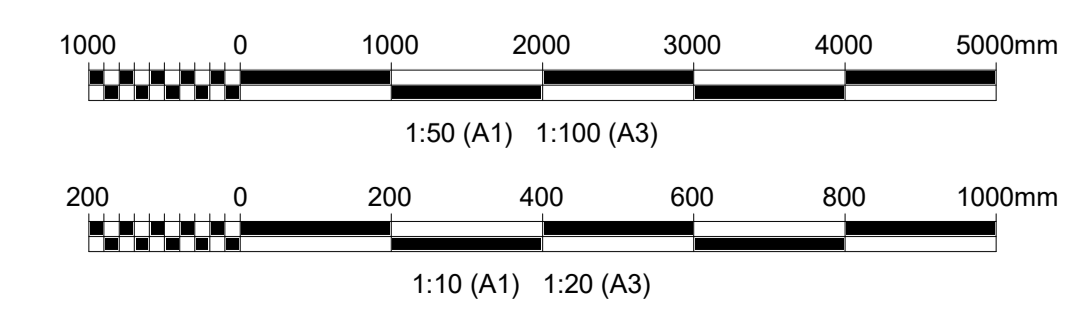


PERSPECTIVE RC5A

NOTE: REINFORCEMENT NOT SHOWN.

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  - CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
  - ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
  - OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
  - MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
  - LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
  - CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
  - STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
  - UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
  - ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.
- REFERENCE DRAWINGS:
- BI1884-RHD-06-CT-DR-C-2121 to 2122
  - BI1884-RHD-06-CT-DR-C-2221 to 2223
  - BI1884-RHD-06-CT-DR-C-2144

- LEGEND:
- COG: CENTER OF GRAVITY
  - LOCATION OF LIFTING POINT ASSUMED IN DESIGN



|      |     |                    |      |                      |                    |    |            |
|------|-----|--------------------|------|----------------------|--------------------|----|------------|
| Rev. | NO  | DESCRIPTION        | DATE | GP                   | PV                 | AM | 20-08-2023 |
|      | P01 | FOR REVIEW         |      | HD                   | PV                 | AM | 01-08-2023 |
|      |     | Drawn/ Te vizatuar |      | Checked/ Kontrolluar | Approved/ Miratuar |    | Date/Date  |

Client/Projektuesi: **DURRËS PORT AUTHORITY** / Autoriteti Portual Durrës

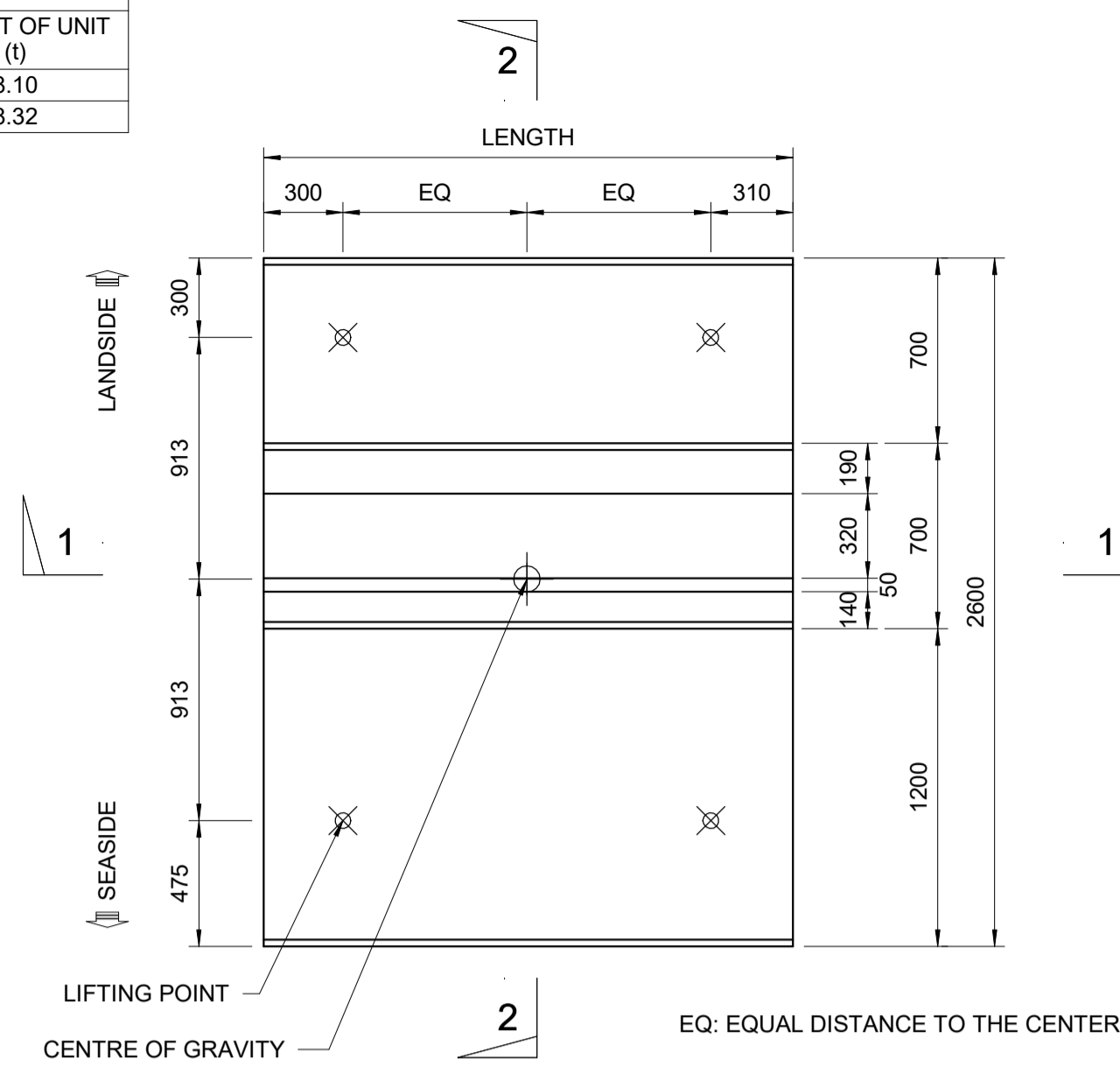
Design Object/Objekt projektimi: **Container Terminal**

Project/Projekti: **Integrated Port of Durrës in Porto Romano** / Porti i integruar i Durrësit në Porto Romano

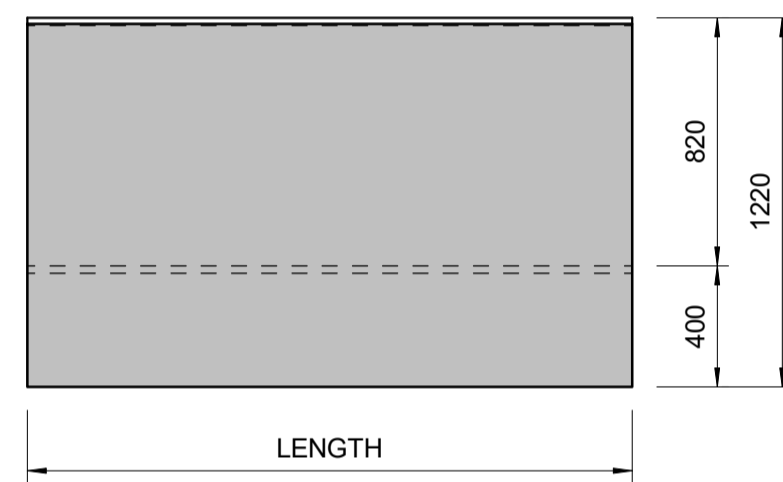
Discipline/Disiplina: **Offshore - Civil**

|                                                                     |                                     |                                     |                                  |                              |
|---------------------------------------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|------------------------------|
| Sheet/ Fleta: <b>A1</b>                                             | Scale/ Shkalla: <b>As indicated</b> | Phase/ Faza: <b>Detailed Design</b> | Sheet/No. / of nga: <b>1 / 1</b> | Revision/Rahkrim: <b>P02</b> |
| Drawing Number/Numri i vizatimit: <b>BI1884-RHD-06-CT-DR-C-2163</b> |                                     |                                     |                                  |                              |

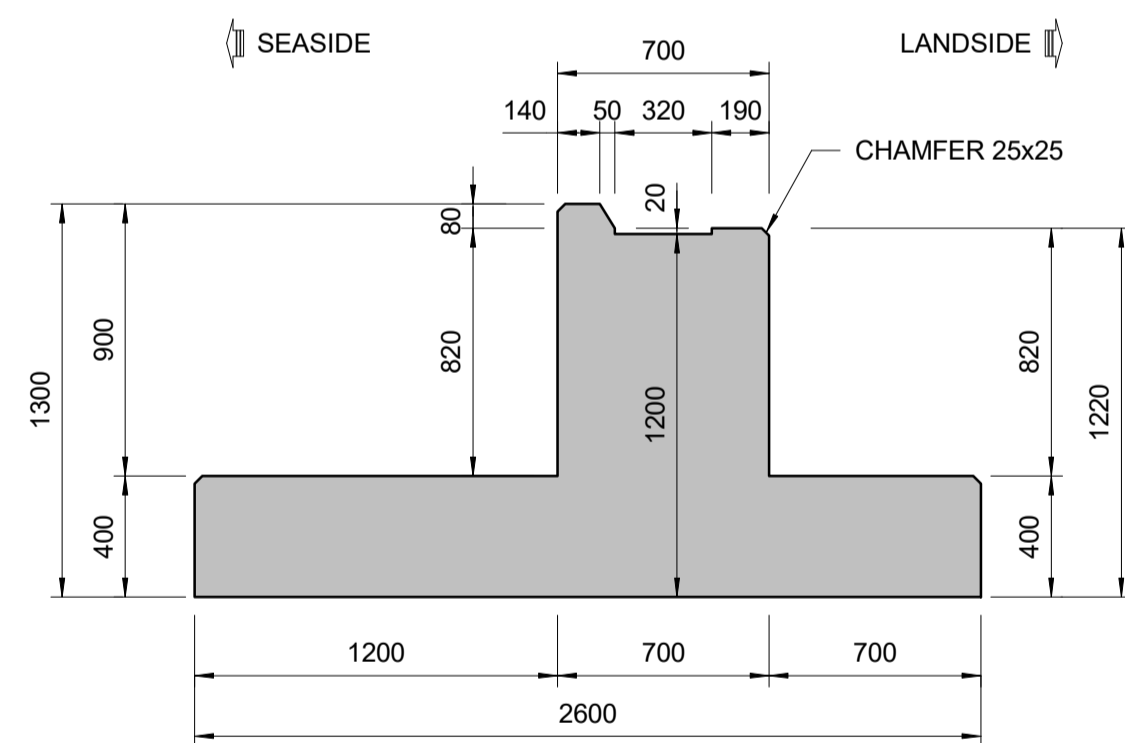
| PRECAST BEAM |                |             |                    |
|--------------|----------------|-------------|--------------------|
| UNIT         | QUANTITY (Nos) | LENGTH (mm) | WEIGHT OF UNIT (t) |
| FB1          | 166            | 2000        | 8.10               |
| FB2          | 2              | 2055        | 8.32               |



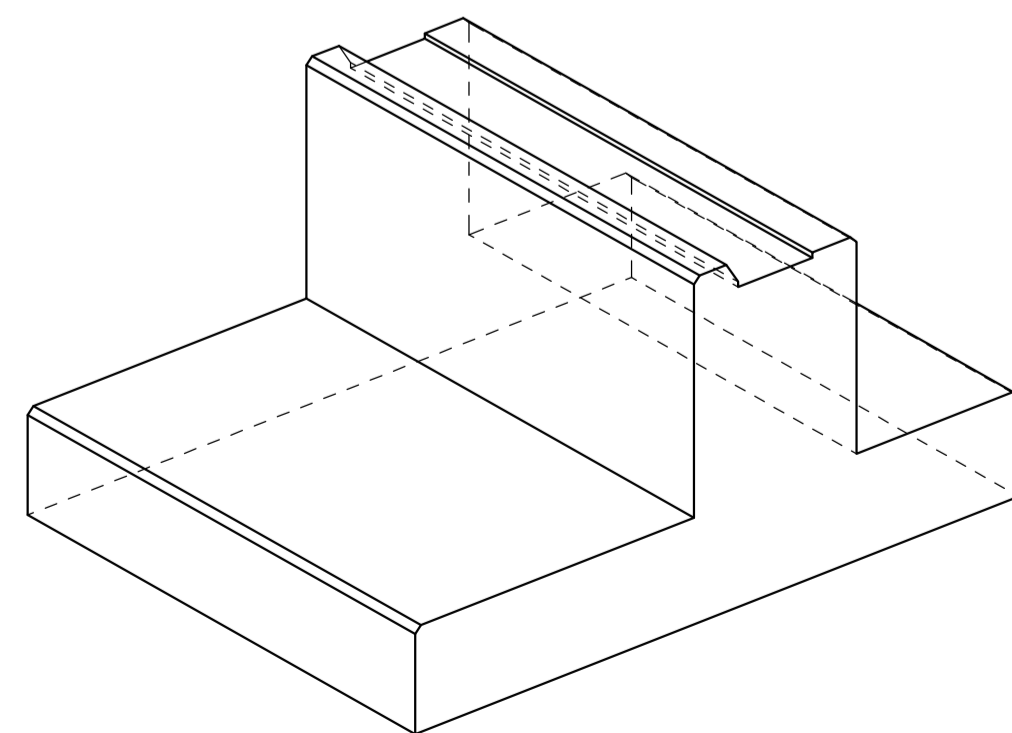
PLAN  
SCALE 1 : 25



SECTION 1-1  
SCALE 1 : 25



SECTION 2-2  
SCALE 1 : 25



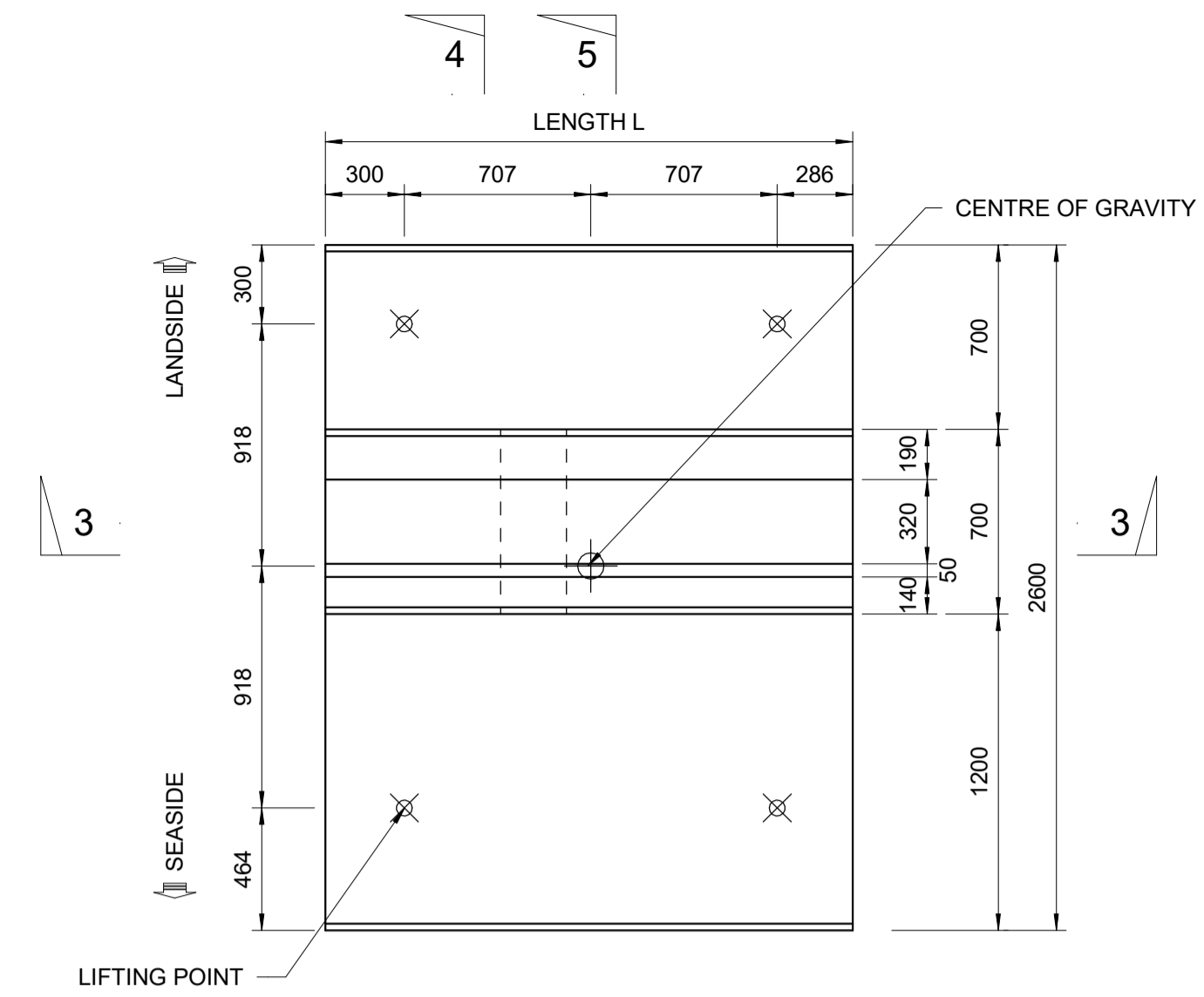
PERSPECTIVE

NOTE: REINFORCEMENT NOT SHOWN.

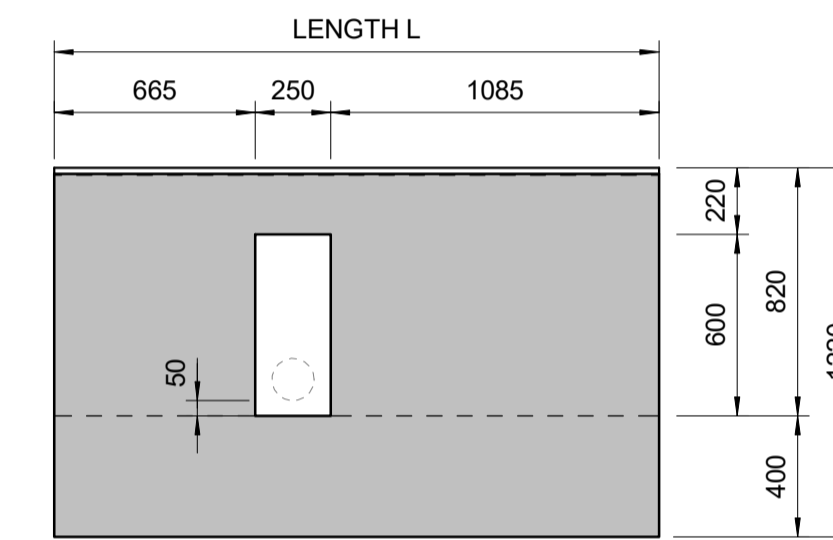
| PRECAST BEAM |                |               |                    |
|--------------|----------------|---------------|--------------------|
| UNIT         | QUANTITY (Nos) | LENGTH L (mm) | WEIGHT OF UNIT (t) |
| FB1A         | 1              | 2000          | 7.84               |
| FB1B         | 1              | 2000          | 7.84               |
| FB1C         | 1              | 2000          | 7.84               |
| FB1D         | 1              | 2000          | 7.84               |
| FB1E         | 1              | 4010          | 15.97              |
| FB1F         | 1              | 4010          | 15.97              |
| FB1G         | 1              | 4010          | 15.97              |
| FB1H         | 1              | 2000          | 7.84               |
| FB1I         | 1              | 2000          | 7.84               |
| FB1J         | 1              | 2000          | 7.84               |
| FB1K         | 1              | 2000          | 7.84               |
| FB1L         | 1              | 2000          | 7.84               |

PRECAST FOUNDATION BEAMS FB1B TO FB1L ARE SIMILAR TO FB1A AS SHOWN BELOW WITH DIFFERENT LENGTH AND LOCATION OF THE OPENING.

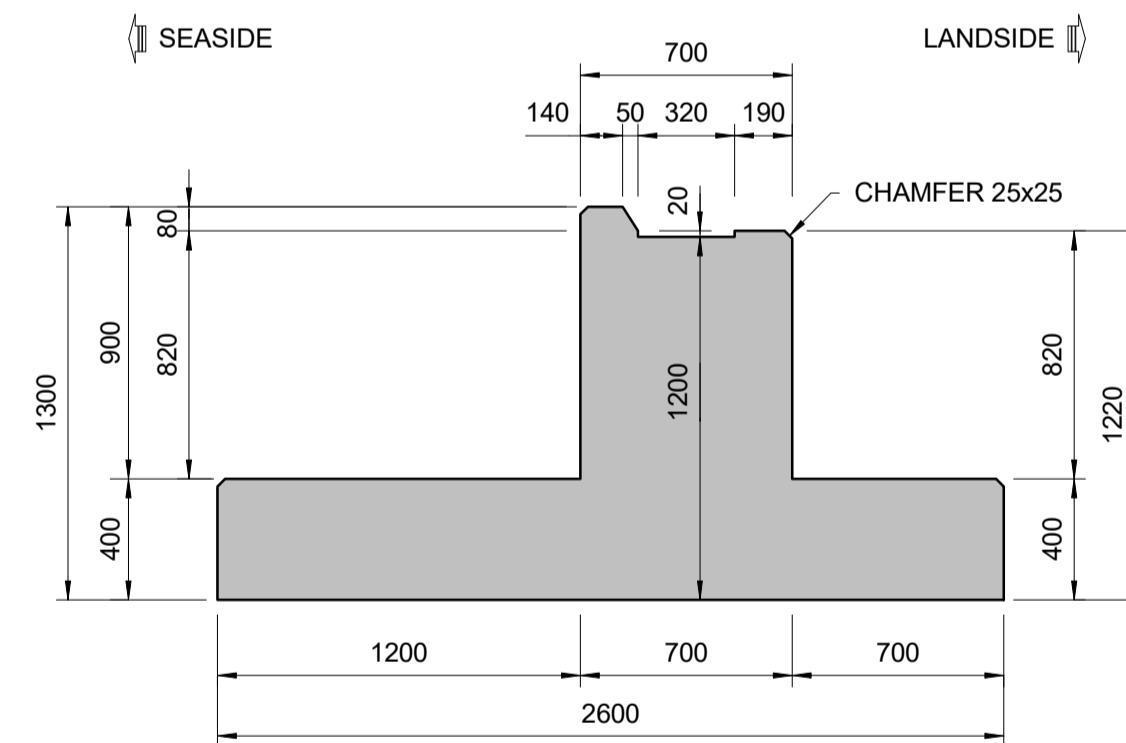
THE LOCATION OF THE OPENING SHALL BE CONFIRMED BY THE CONTRACTOR ACCORDING TO THE SITE CONDITION.



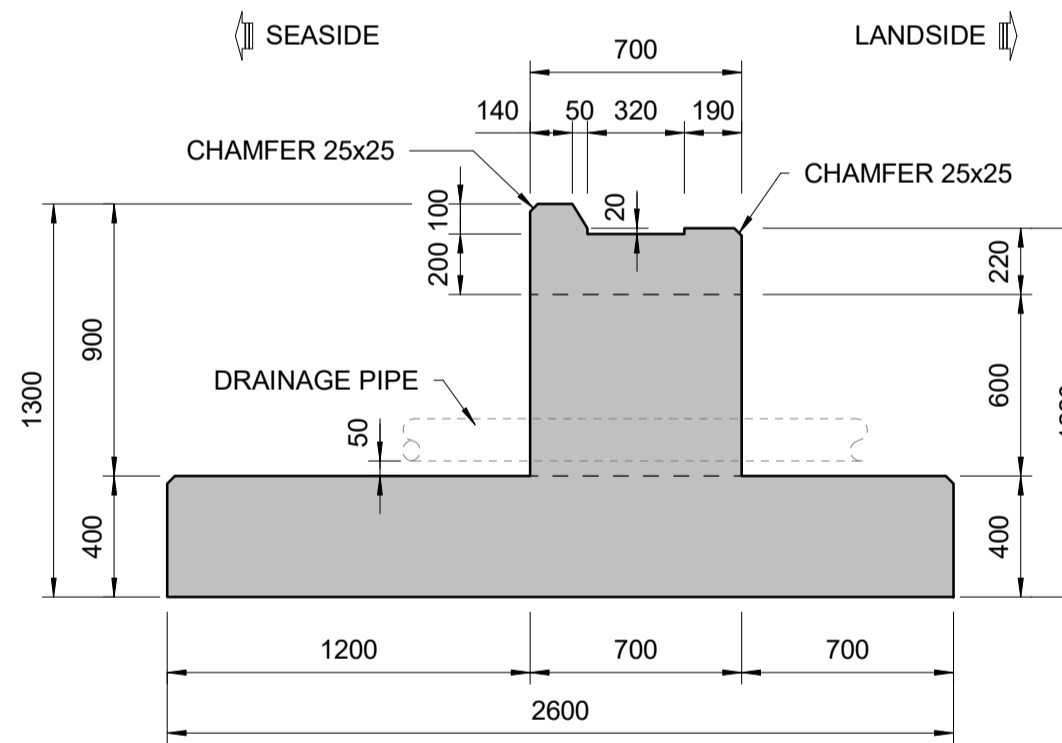
FB1A PLAN  
SCALE 1 : 25



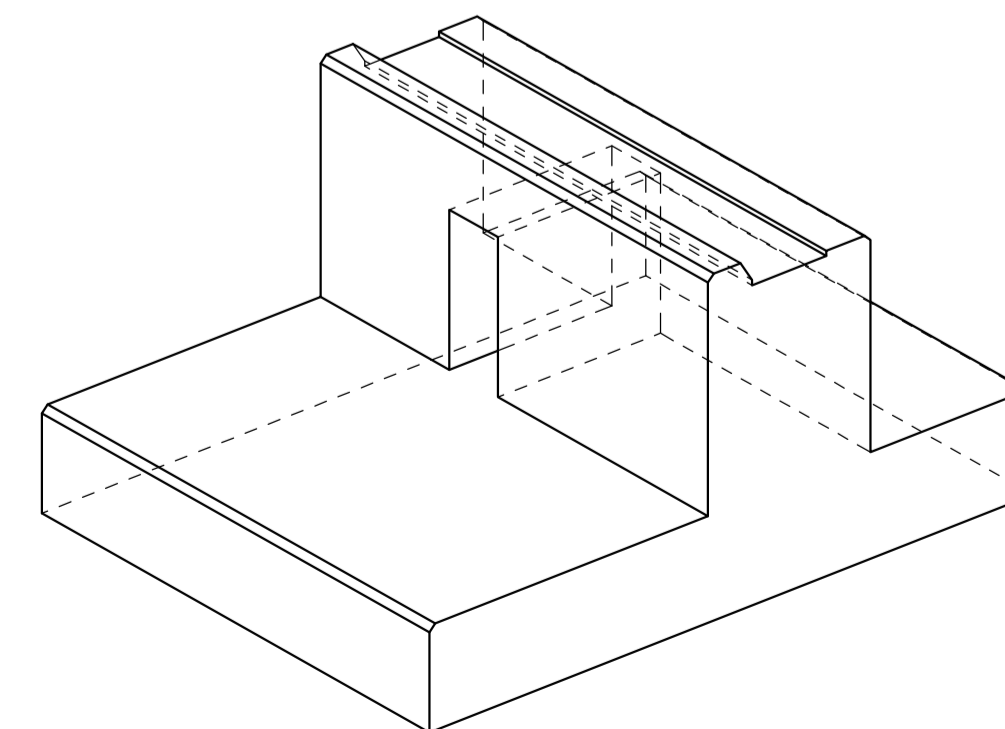
SECTION 3-3  
SCALE 1 : 25



SECTION 4-4  
SCALE 1 : 25



SECTION 5-5  
SCALE 1 : 25



PERSPECTIVE FB1A

NOTE: REINFORCEMENT NOT SHOWN.

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
- ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
- OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION B11884-RHD-02-QW-SP-CM-2003.
- MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
- LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
- CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
- STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
- UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: B11884-RHD-06-CT-DR-C-2021
- ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.
- FOR BEARING PAD DETAILS, REFER TO DRAWING B11884-RHD-06-CT-DR-C-2103

LEGEND:

- ⊙ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN

|      |     |                  |            |    |         |            |    |
|------|-----|------------------|------------|----|---------|------------|----|
| Rev. | NO. | DESCRIPTION      | DATE       | BY | CHECKED | DATE       | BY |
| P01  | 1   | FINAL SUBMISSION | 25-08-2023 | AM |         | 25-08-2023 | AM |
| P01  | 2   | FOR REVIEW       | 01-08-2023 | AM |         | 01-08-2023 | AM |

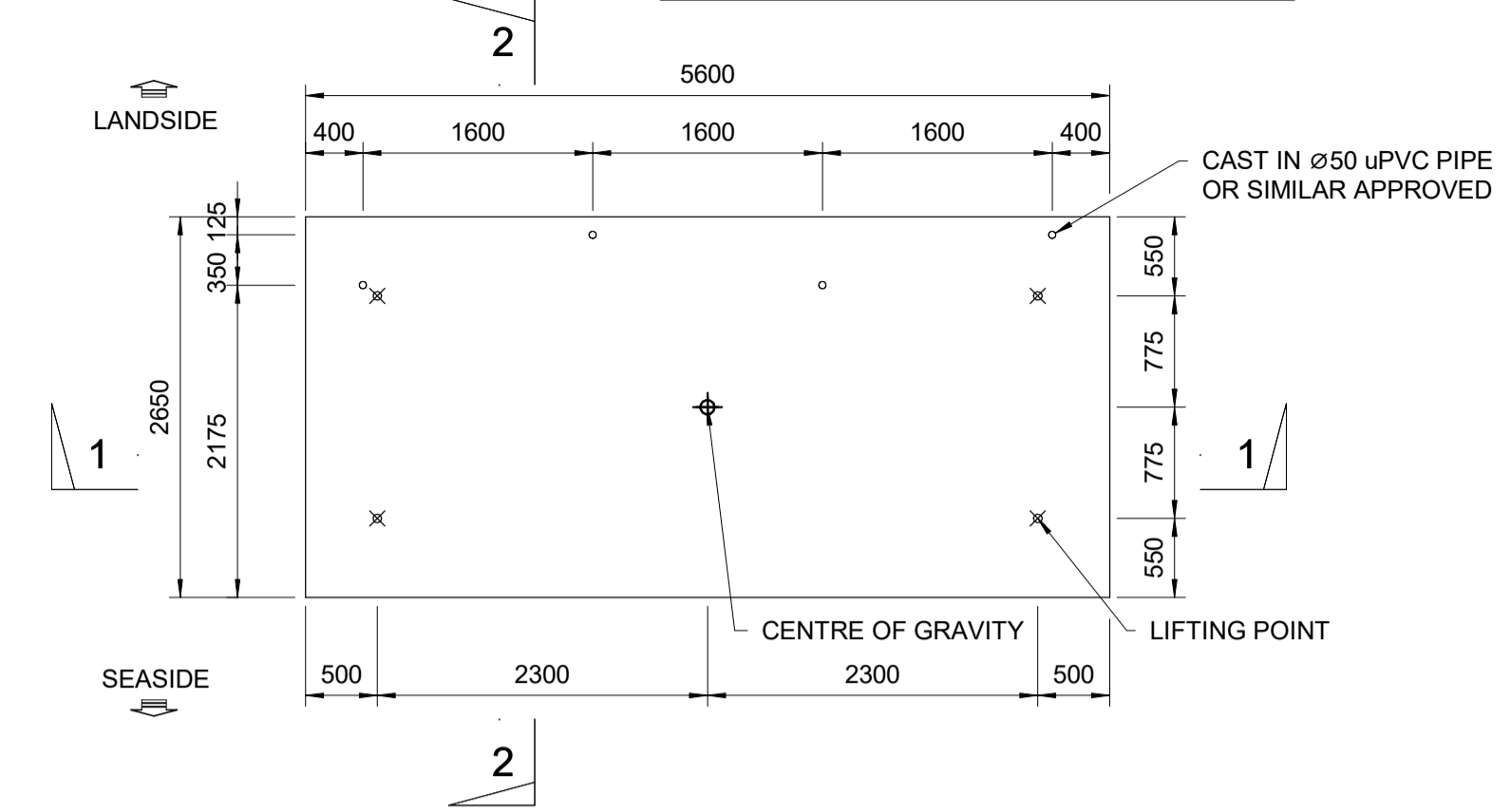


|                   |                                                                                           |                                  |                            |
|-------------------|-------------------------------------------------------------------------------------------|----------------------------------|----------------------------|
| Client/Parositesi | DURRËS PORT AUTHORITY<br>AUTORITETI PORTUAL DURRËS                                        | Design Object/Objekt projektimi  | Container Terminal         |
| Project/Projekti  | Integrated Port of Durrës in Porto Romano<br>Porti i integruar i Durrësit në Porto Romano | Discipline/Disiplina             | Offshore - Civil           |
| Title/Titull      | Phase 1<br>Precast Foundation Beams<br>General Details                                    | Revision/Rahkimi                 | P02                        |
| Scale/Shkalla     | As indicated                                                                              | Drawing Number/Numri i vizatimit | B11884-RHD-06-CT-DR-C-2164 |

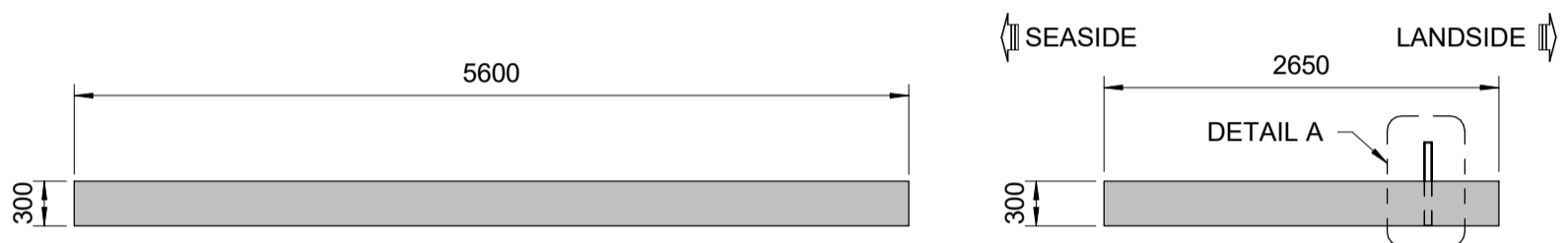
|               |              |            |                 |                        |   |        |   |
|---------------|--------------|------------|-----------------|------------------------|---|--------|---|
| Scale/Shkalla | As indicated | Phase/Faza | Detailed Design | Sheet No./Nr. i fletës | 1 | of nga | 1 |
|---------------|--------------|------------|-----------------|------------------------|---|--------|---|

| PRECAST PLANK |                |                    |
|---------------|----------------|--------------------|
| UNIT          | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| S1            | 15             | 11.13              |
| S1C           | 9              | 11.13              |

PRECAST SLAB S1C IS SIMILAR TO S1 AS SHOWN BELOW BUT WITH DIFFERENT REINFORCEMENT.



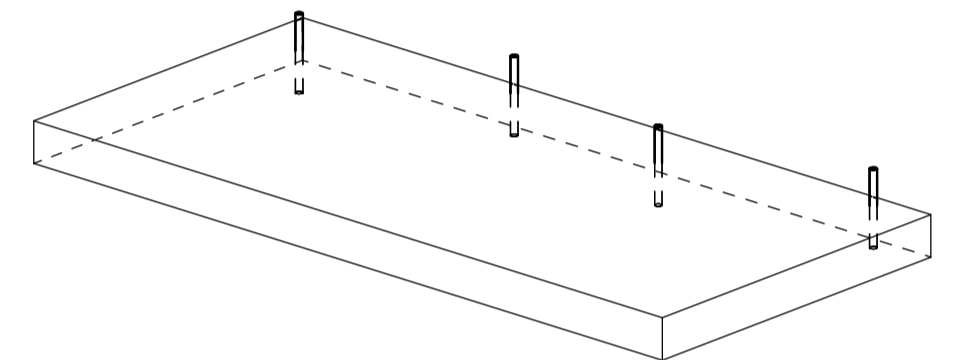
PLAN S1  
SCALE 1 : 50



SECTION 1-1  
SCALE 1 : 50

SECTION 2-2  
SCALE 1 : 50

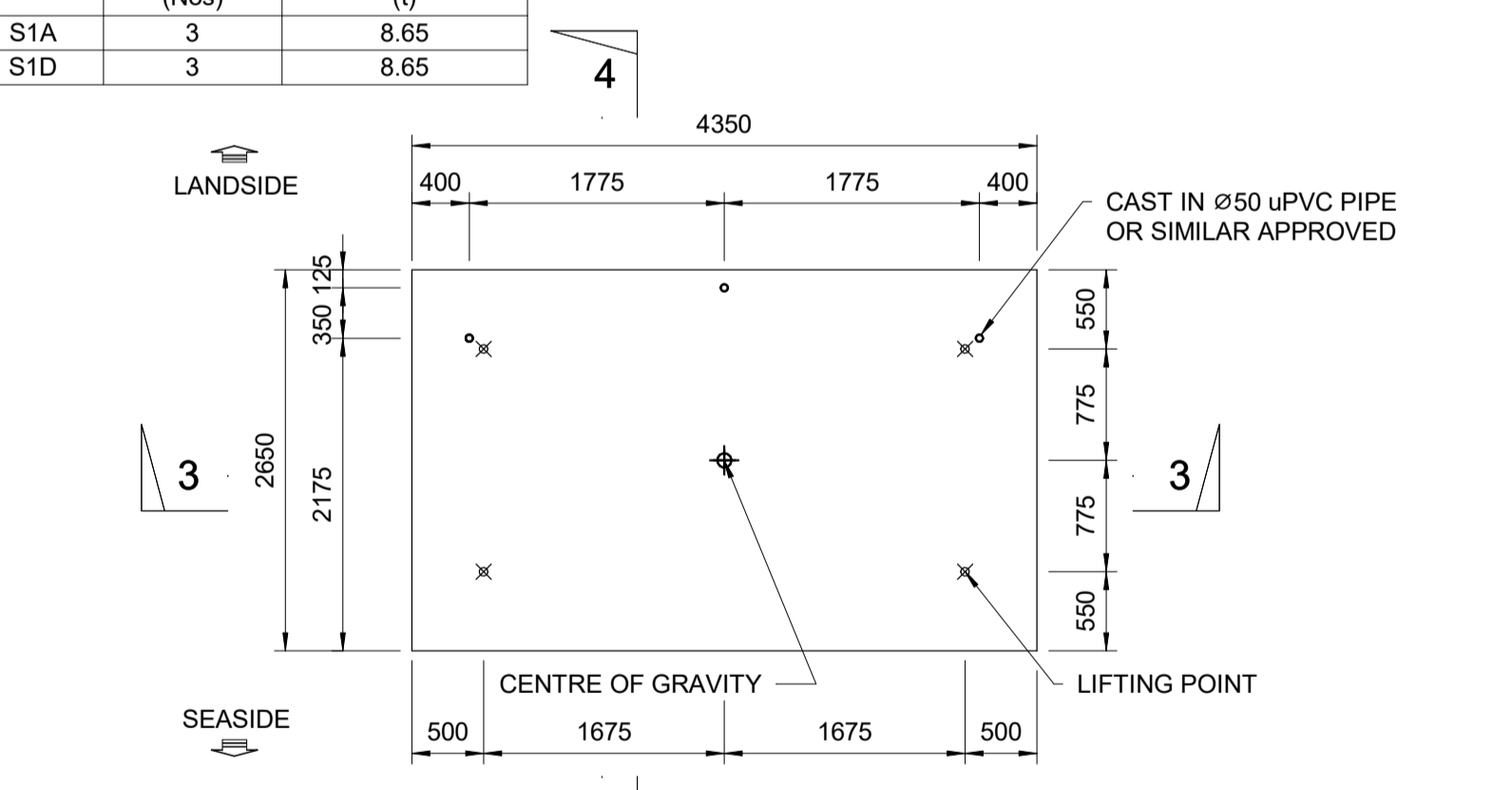
NOTE: REINFORCEMENT NOT SHOWN.



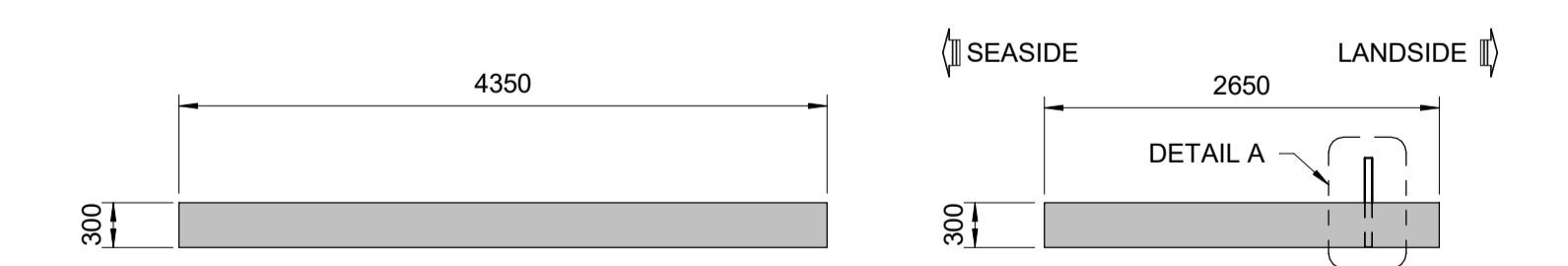
PERSPECTIVE S1 & S1C

| PRECAST PLANK |                |                    |
|---------------|----------------|--------------------|
| UNIT          | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| S1A           | 3              | 8.65               |
| S1D           | 3              | 8.65               |

PRECAST SLAB S1D IS SIMILAR TO S1A AS SHOWN BELOW BUT WITH DIFFERENT REINFORCEMENT.



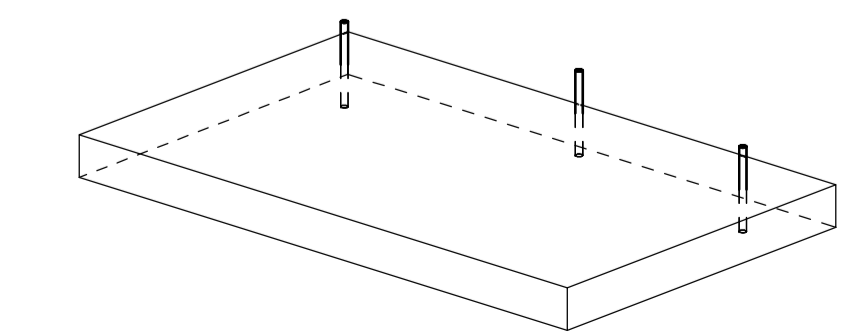
PLAN S1A  
SCALE 1 : 50



SECTION 3-3  
SCALE 1 : 50

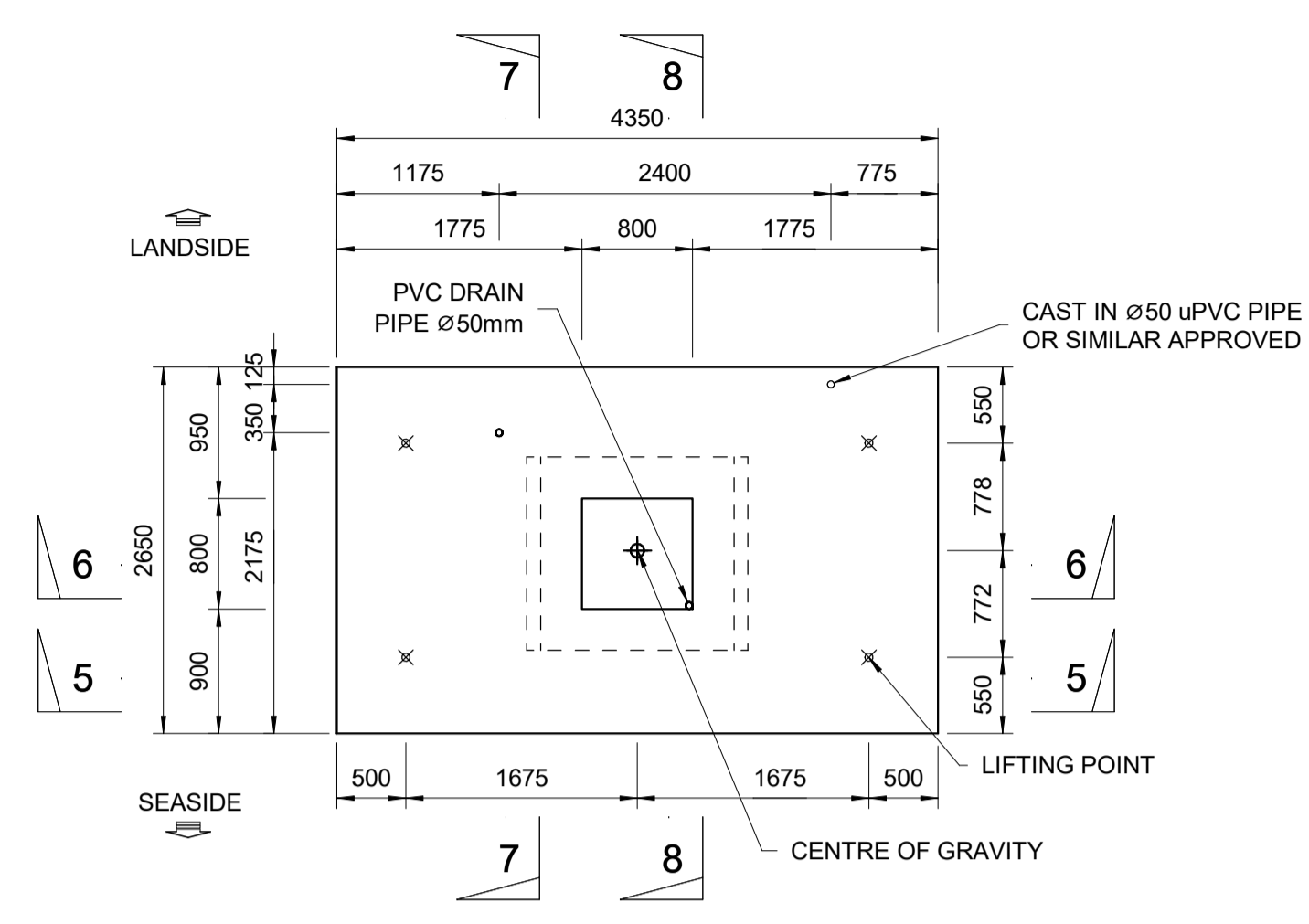
SECTION 4-4  
SCALE 1 : 50

NOTE: REINFORCEMENT NOT SHOWN.

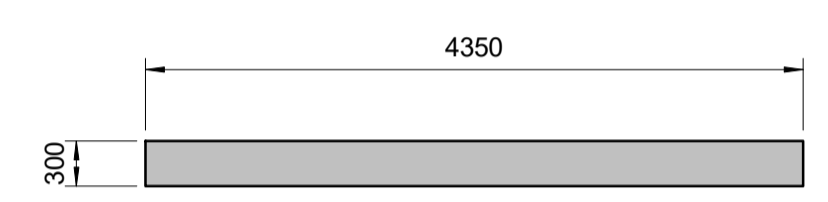


PERSPECTIVE S1A & S1D

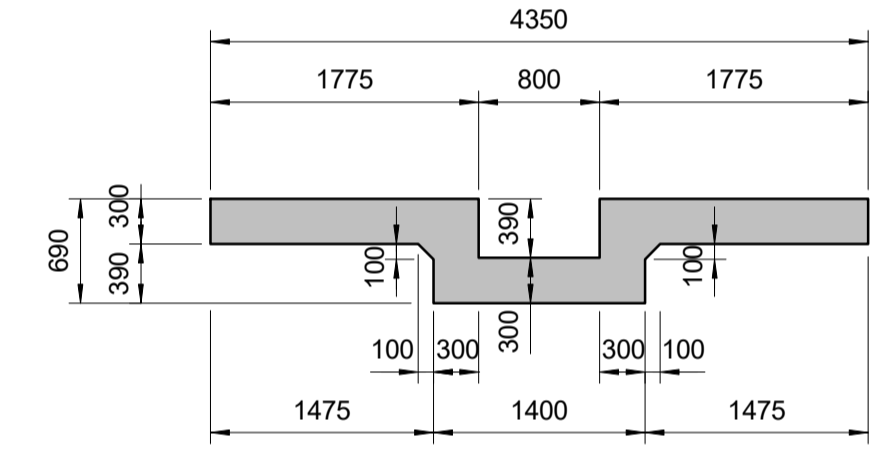
| PRECAST PLANK |                |                    |
|---------------|----------------|--------------------|
| UNIT          | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| S1B           | 2              | 9.97               |



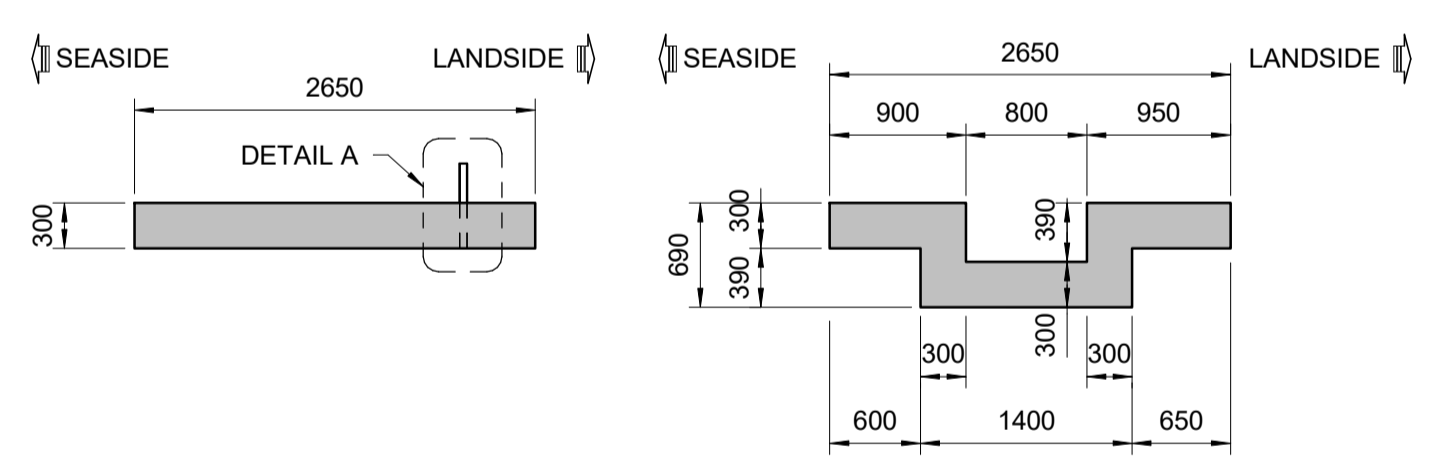
PLAN  
SCALE 1 : 50



SECTION 5-5  
SCALE 1 : 50



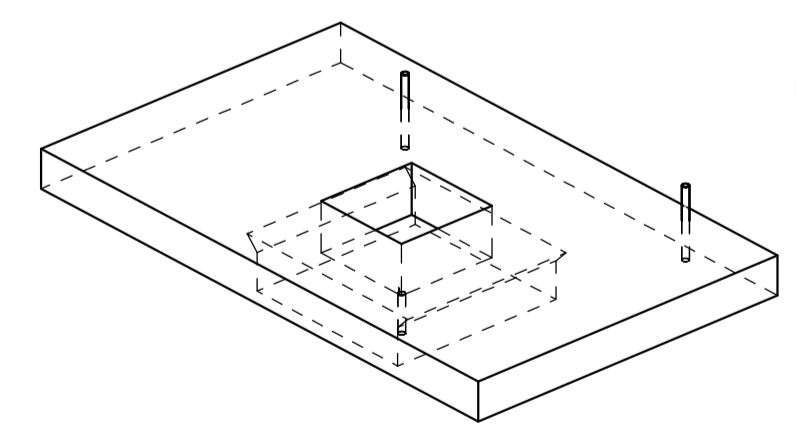
SECTION 6-6  
SCALE 1 : 50



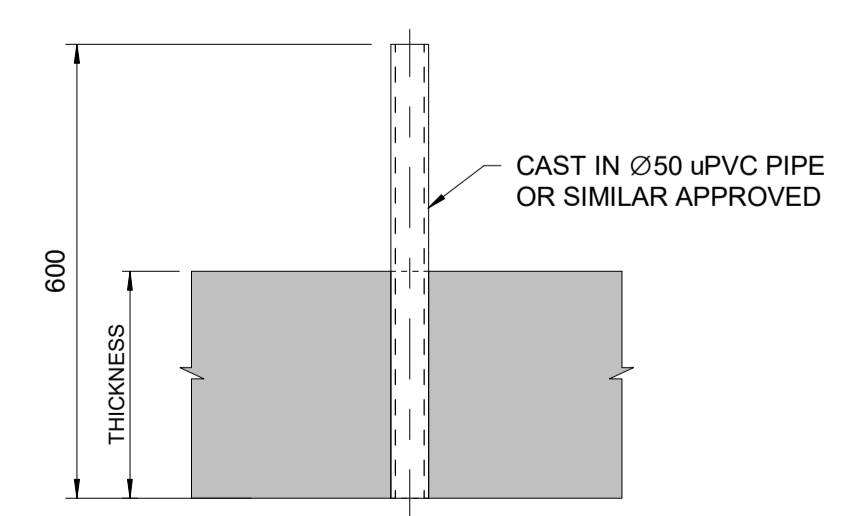
SECTION 7-7  
SCALE 1 : 50

SECTION 8-8  
SCALE 1 : 50

NOTE: REINFORCEMENT NOT SHOWN.



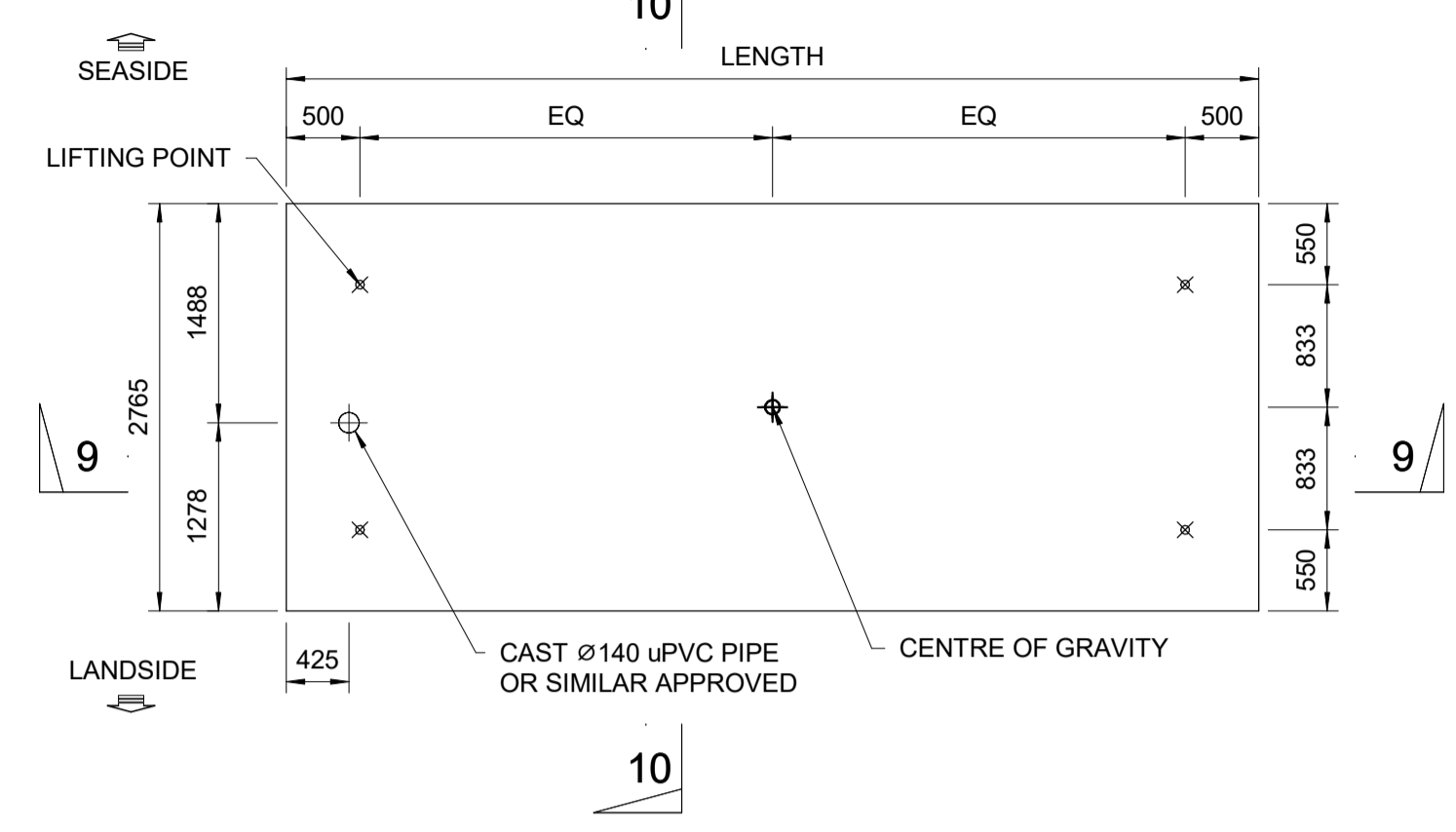
PERSPECTIVE



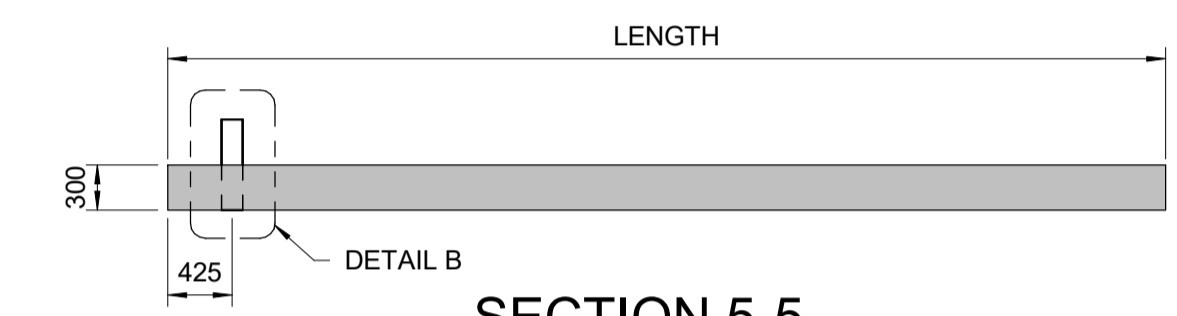
DETAIL A (DRAIN HOLE)  
SCALE 1 : 10

| PRECAST PLANK |                |             |                    |
|---------------|----------------|-------------|--------------------|
| UNIT          | QUANTITY (Nos) | LENGTH (mm) | WEIGHT OF UNIT (t) |
| S2B           | 20             | 6600        | 13.69              |
| S2D           | 7              | 6600        | 13.68              |
| S5B           | 4              | 4350        | 9.02               |
| S5D           | 1              | 4350        | 9.01               |

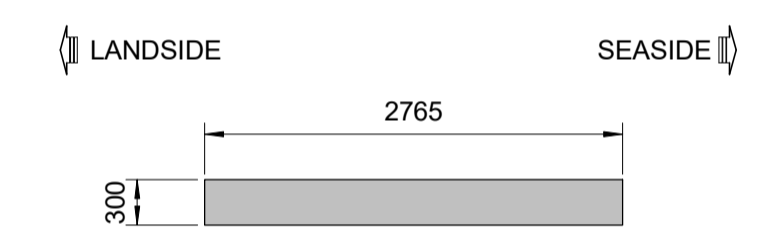
Ø140 uPVC PIPE IS APPLIED FOR PRECAST PLANKS S2D & S5D ONLY. THESE PLANKS SHALL BE MARKED CLEARLY FOR LANDSIDE AND SEASIDE.



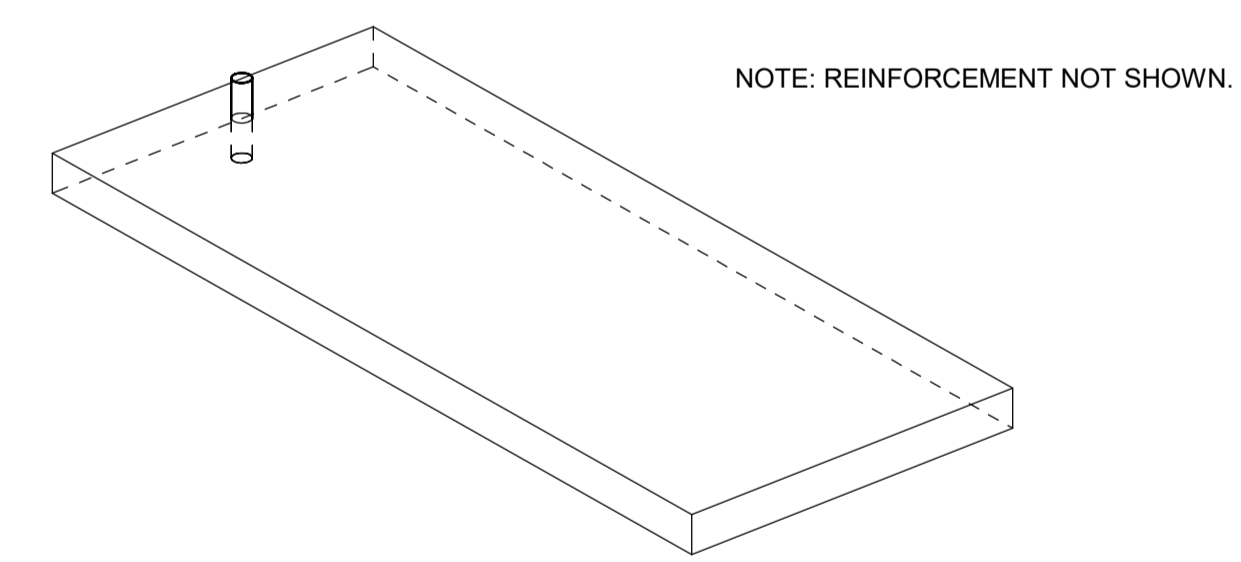
PLAN S2D  
SCALE 1 : 50



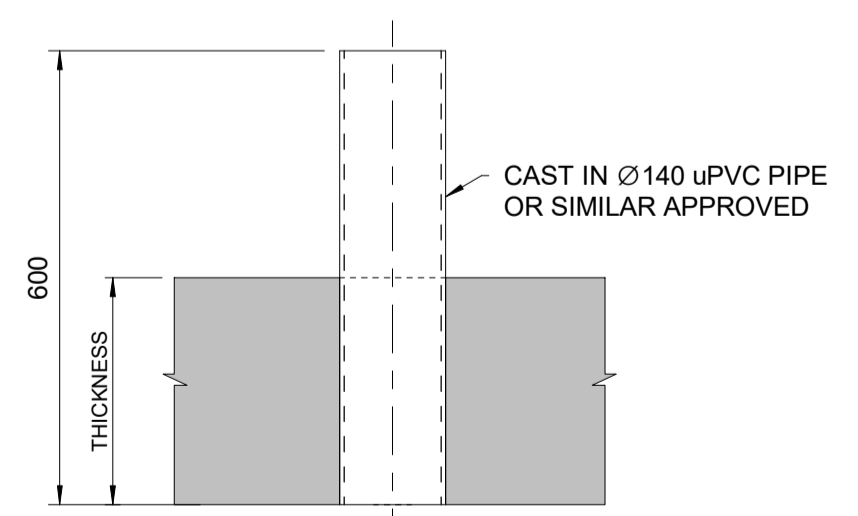
SECTION 5-5  
SCALE 1 : 50



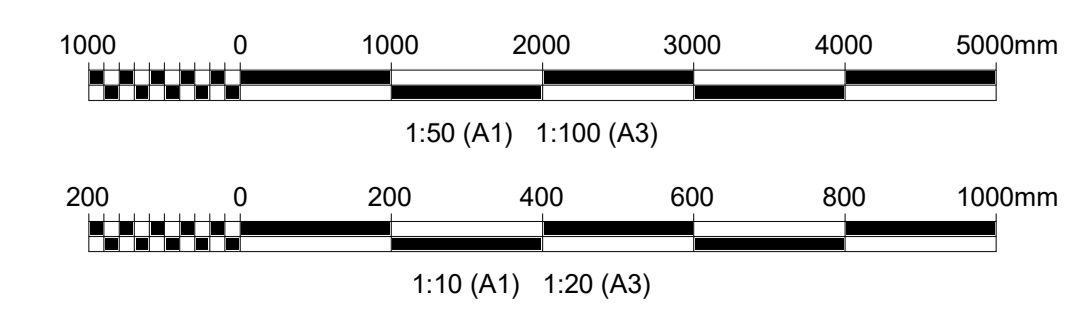
SECTION 6-6  
SCALE 1 : 50



PERSPECTIVE S2D



DETAIL B (DRAIN HOLE)  
SCALE 1 : 10



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  - CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
  - ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
  - OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
  - MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
  - LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
  - CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
  - STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
  - UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
  - ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

- REFERENCE DRAWINGS:
- BI1884-RHD-06-CT-DR-C-2131 to 2132
  - BI1884-RHD-06-CT-DR-C-2231 to 2243

- LEGEND:
- ⊕ COG: CENTER OF GRAVITY
  - ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN

|         |                         |                    |                      |                    |            |
|---------|-------------------------|--------------------|----------------------|--------------------|------------|
| Rev. 01 | FINAL SUBMISSION        | GP                 | PV                   | AM                 | 20-08-2023 |
| Rev. 02 | FOR REVIEW              | HD                 | PV                   | AM                 | 01-08-2023 |
| Rev. 03 | Description/Description | Drawn/ Te vizatuar | Checked/ Kontrolluar | Approved/ Miratuar | Date/Date  |

Client/Portuesit: Durrës Port Authority / Autoriteti Portual Durrës

Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano

Discipline/Disiplina: Offshore - Civil

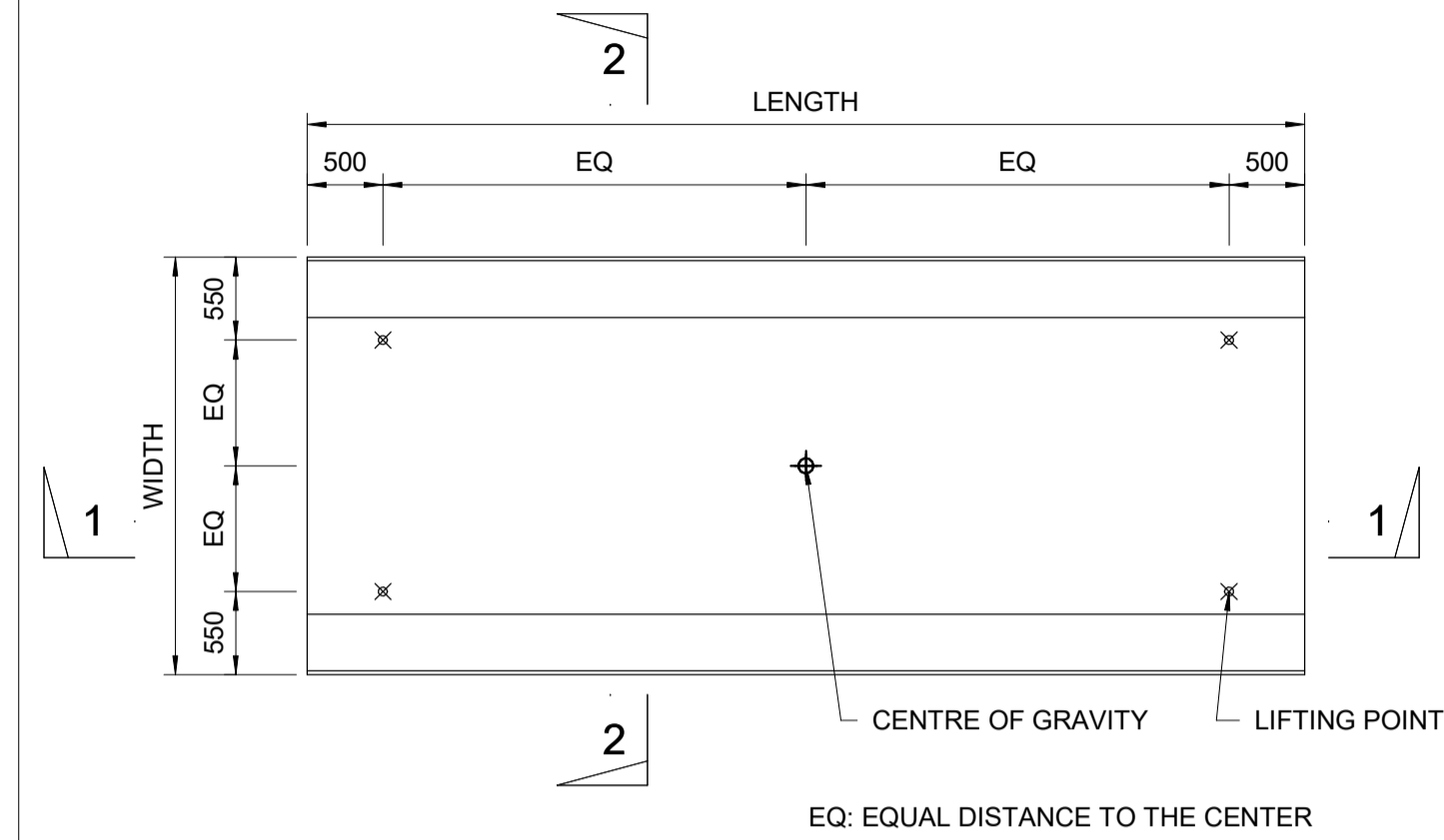
Revision/Rahkimi: P02

Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2171

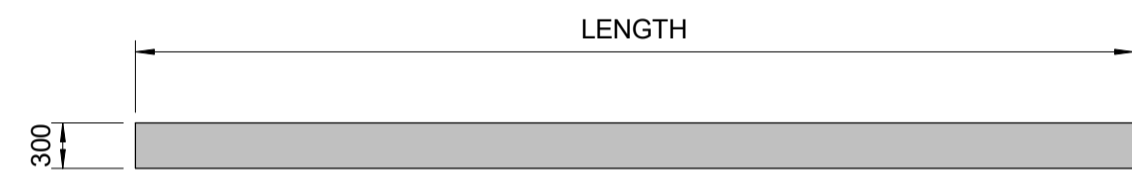




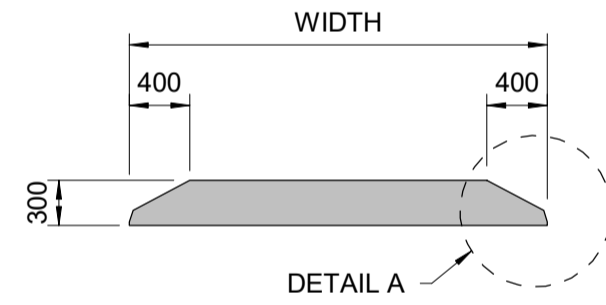
| PRECAST PLANK |                |                    |             |            |
|---------------|----------------|--------------------|-------------|------------|
| UNIT          | QUANTITY (Nos) | WEIGHT OF UNIT (t) | LENGTH (mm) | WIDTH (mm) |
| S2            | 189            | 12.25              | 6600        | 2765       |
| S2A           | 67             | 12.25              | 6600        | 2765       |
| S2C           | 13             | 9.53               | 6600        | 2215       |
| S2E           | 14             | 9.53               | 6600        | 2215       |
| S2F           | 14             | 9.53               | 6600        | 2215       |
| S5            | 35             | 8.08               | 4350        | 2765       |
| S5A           | 15             | 8.08               | 4350        | 2765       |
| S5C           | 5              | 6.28               | 4350        | 2215       |



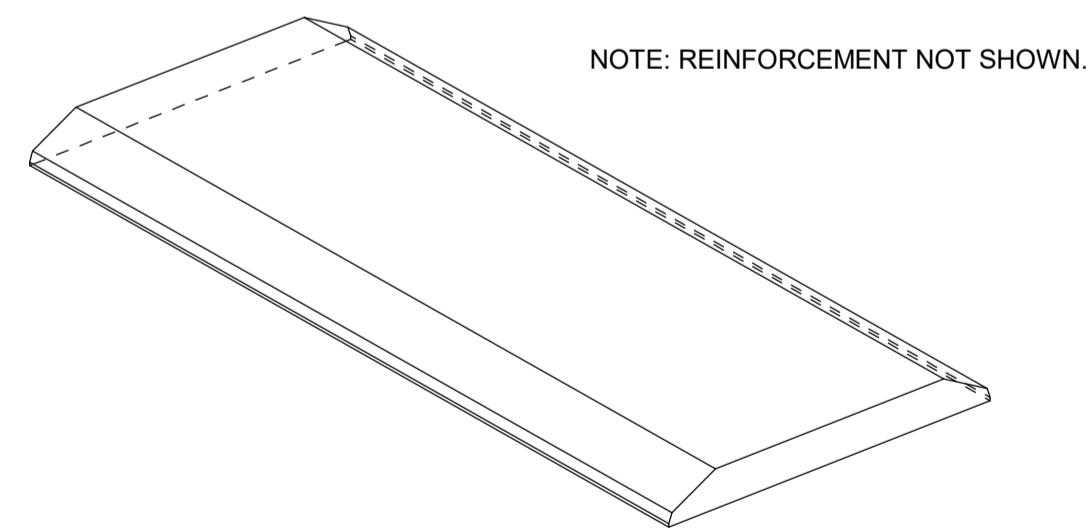
PLAN  
SCALE 1 : 50



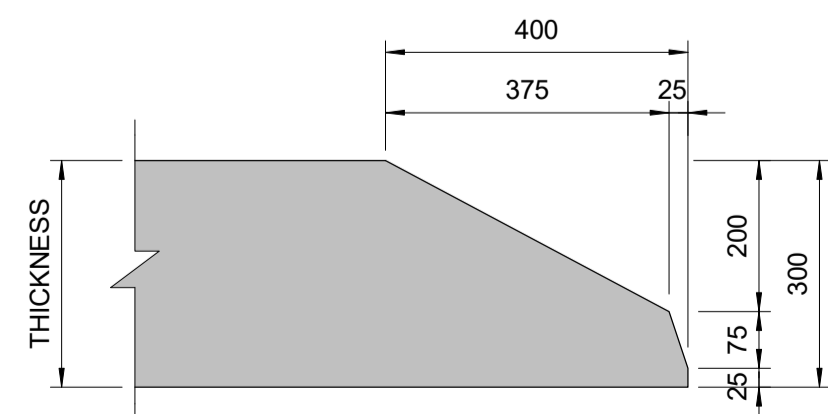
SECTION 1-1  
SCALE 1 : 50



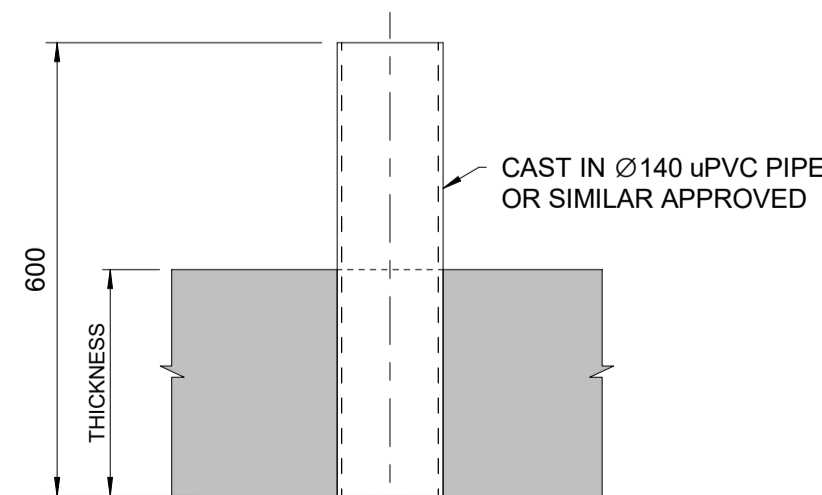
SECTION 2-2  
SCALE 1 : 50



PERSPECTIVE

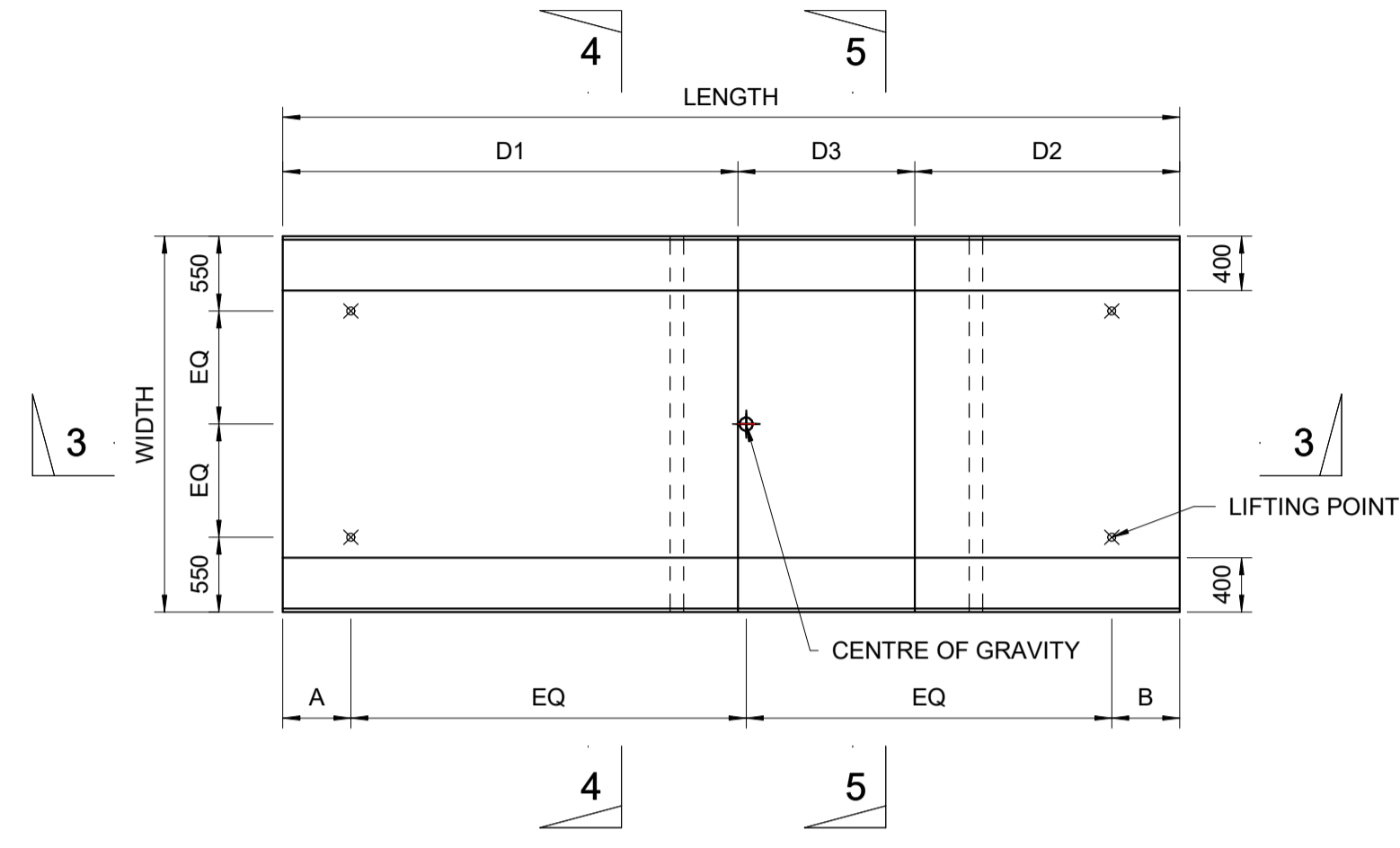


DETAIL A  
SCALE 1 : 10

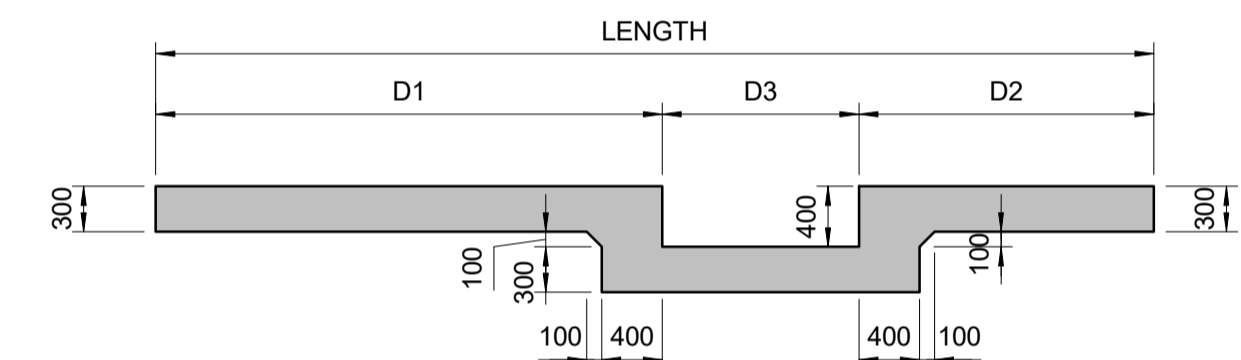


DETAIL B (DRAIN HOLE)  
SCALE 1 : 10

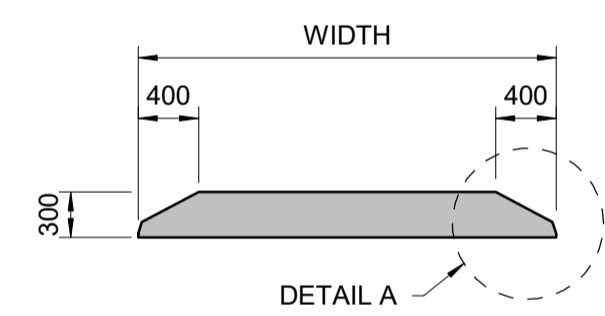
| PRECAST PLANK |                |                    |             |            |         |         |         |        |        |
|---------------|----------------|--------------------|-------------|------------|---------|---------|---------|--------|--------|
| UNIT          | QUANTITY (Nos) | WEIGHT OF UNIT (t) | LENGTH (mm) | WIDTH (mm) | D1 (mm) | D2 (mm) | D3 (mm) | A (mm) | B (mm) |
| S3            | 63             | 14.53              | 6600        | 2765       | 3350    | 1950    | 1300    | 720    | 500    |
| S3A           | 11             | 14.53              | 6600        | 2765       | 3350    | 1950    | 1300    | 720    | 500    |
| S3C           | 2              | 11.36              | 6600        | 2215       | 1950    | 3350    | 1300    | 500    | 726    |
| S3E           | 16             | 14.53              | 6600        | 2765       | 3350    | 1950    | 1300    | 720    | 500    |
| S3F           | 7              | 11.36              | 6600        | 2215       | 3350    | 1950    | 1300    | 726    | 500    |
| S4            | 14             | 14.53              | 6600        | 2765       | 1600    | 3100    | 1900    | 500    | 736    |
| S4A           | 3              | 14.53              | 6600        | 2765       | 1600    | 3100    | 1900    | 500    | 736    |
| S4C           | 1              | 11.36              | 6600        | 2215       | 1600    | 3100    | 1900    | 500    | 742    |
| S4D           | 3              | 14.53              | 6600        | 2765       | 1600    | 3100    | 1900    | 500    | 736    |
| S4E           | 1              | 11.36              | 6600        | 2215       | 3100    | 1600    | 1900    | 742    | 500    |
| S6            | 21             | 10.36              | 4350        | 2765       | 1100    | 1950    | 1300    | 500    | 688    |
| S6A           | 4              | 10.36              | 4350        | 2765       | 1100    | 1950    | 1300    | 500    | 688    |
| S6C           | 2              | 8.11               | 4350        | 2215       | 1100    | 1950    | 1300    | 500    | 692    |
| S6E           | 5              | 10.36              | 4350        | 2765       | 1100    | 1950    | 1300    | 500    | 688    |
| S6F           | 1              | 8.11               | 4350        | 2215       | 1950    | 1100    | 1300    | 692    | 500    |



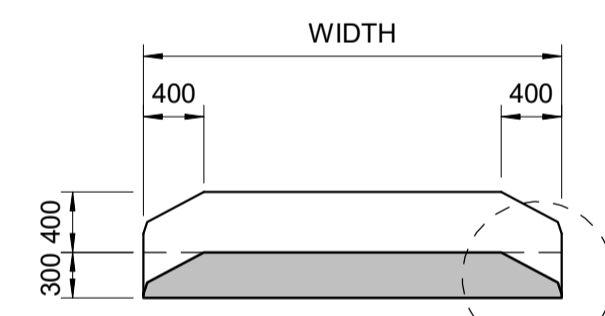
PLAN  
SCALE 1 : 50



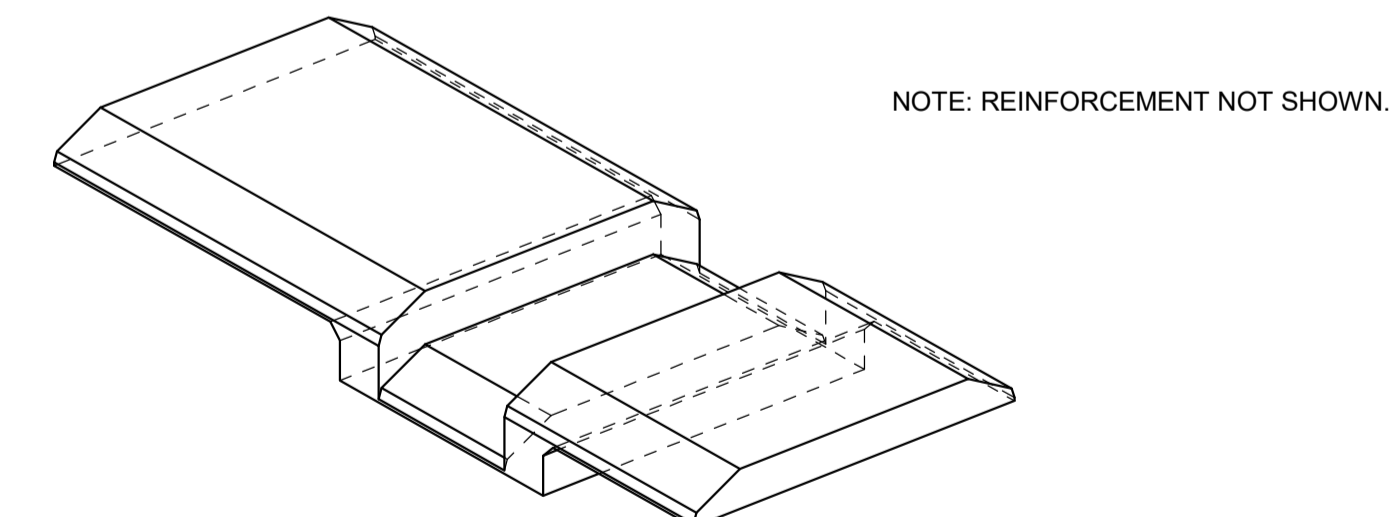
SECTION 3-3  
SCALE 1 : 50



SECTION 4-4  
SCALE 1 : 50



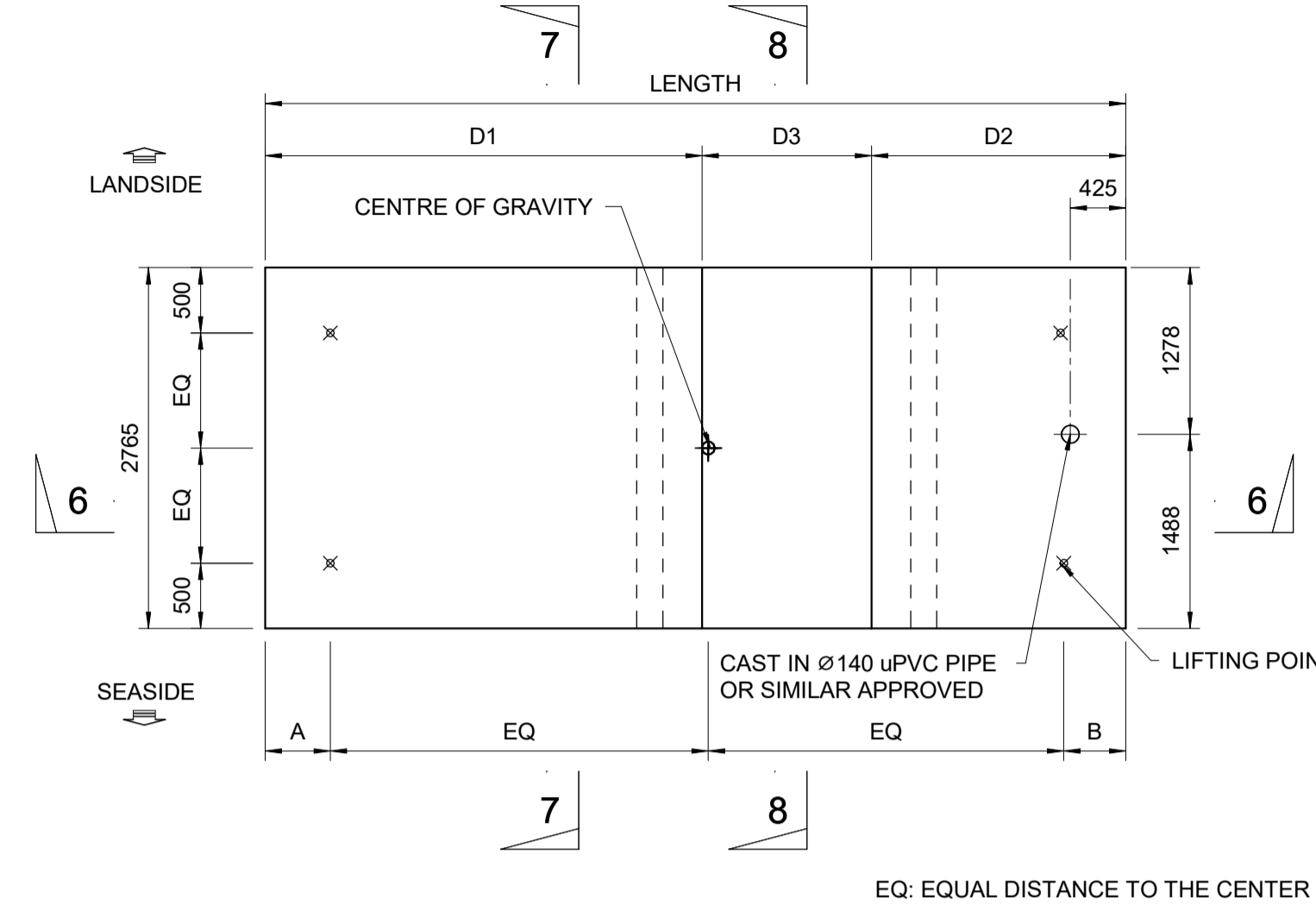
SECTION 5-5  
SCALE 1 : 50



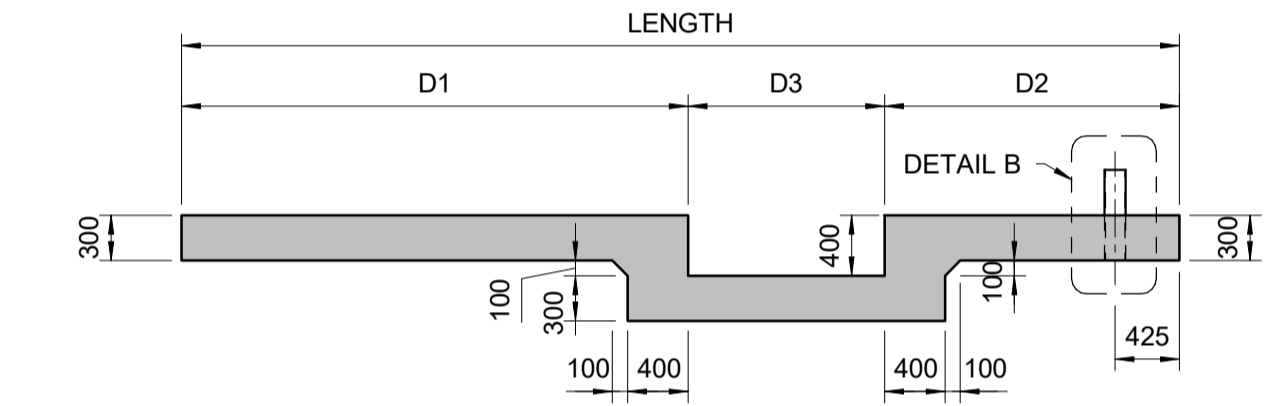
PERSPECTIVE

| PRECAST PLANK |                |                    |             |         |         |         |        |        |  |
|---------------|----------------|--------------------|-------------|---------|---------|---------|--------|--------|--|
| UNIT          | QUANTITY (Nos) | WEIGHT OF UNIT (t) | LENGTH (mm) | D1 (mm) | D2 (mm) | D3 (mm) | A (mm) | B (mm) |  |
| S3B           | 6              | 15.97              | 6600        | 3350    | 1950    | 1300    | 700    | 500    |  |
| S3D           | 3              | 15.96              | 6600        | 3350    | 1950    | 1300    | 696    | 500    |  |
| S4B           | 2              | 15.97              | 6600        | 1600    | 3100    | 1900    | 500    | 714    |  |
| S6B           | 2              | 11.30              | 4350        | 1100    | 1950    | 1300    | 500    | 674    |  |
| S6D           | 1              | 11.29              | 4350        | 1100    | 1950    | 1300    | 500    | 674    |  |

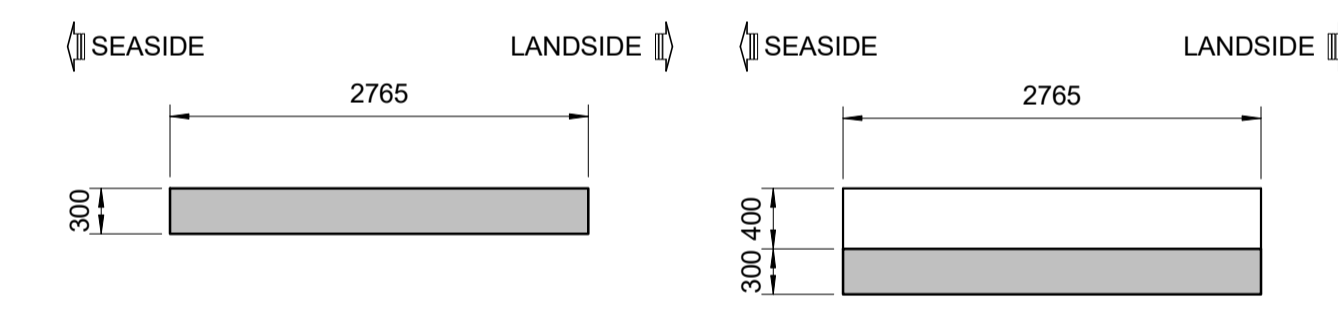
Ø140 uPVC PIPE IS APPLIED FOR PRECAST PLANKS S3D & S6D ONLY. THESE PLANKS SHALL BE MARKED CLEARLY FOR LANDSIDE AND SEASIDE.



PLAN  
SCALE 1 : 50

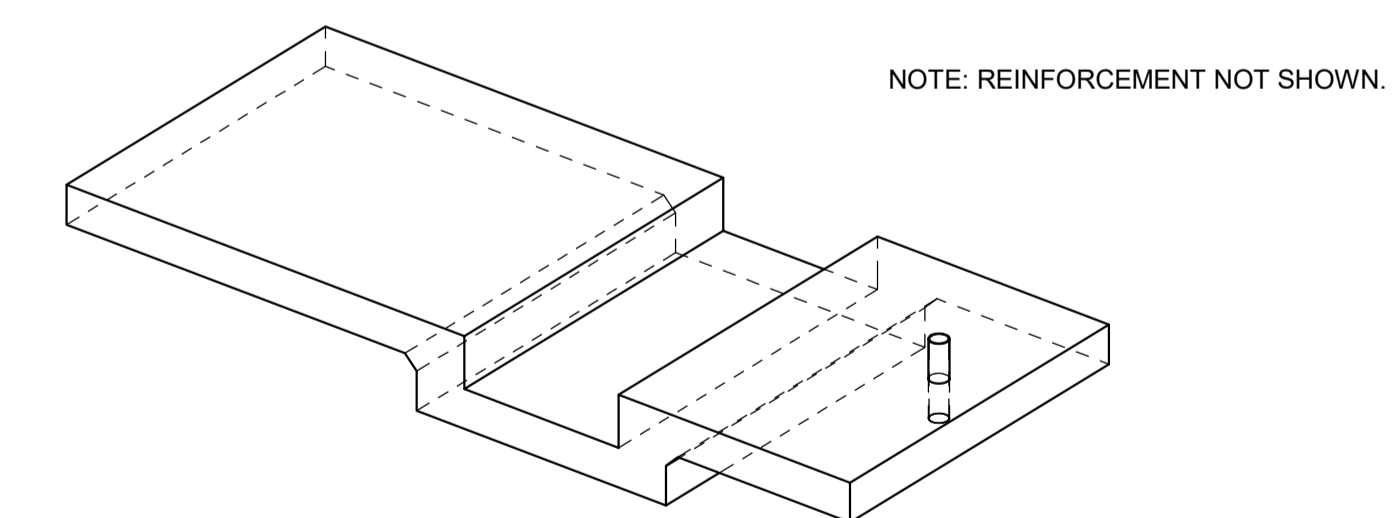


SECTION 6-6  
SCALE 1 : 50



SECTION 7-7  
SCALE 1 : 50

SECTION 8-8  
SCALE 1 : 50



PERSPECTIVE

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  - CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
  - ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
  - OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
  - MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
  - LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
  - CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
  - STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
  - UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
  - ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

- REFERENCE DRAWINGS:
- BI1884-RHD-06-CT-DR-C-2131 to 2132
  - BI1884-RHD-06-CT-DR-C-2231 to 2243

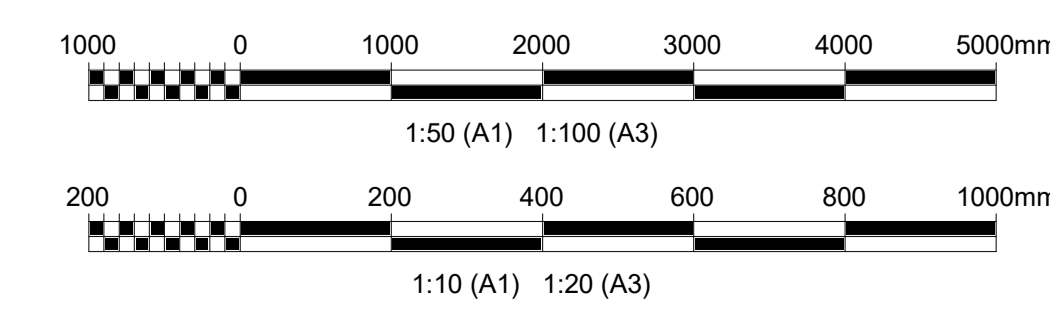
- LEGEND:
- COG: CENTER OF GRAVITY
  - LOCATION OF LIFTING POINT ASSUMED IN DESIGN

|      |                       |                       |                         |                       |            |
|------|-----------------------|-----------------------|-------------------------|-----------------------|------------|
| Rev. | Final Submission      | GP                    | PV                      | AM                    | 25-08-2023 |
|      | FOR REVIEW            | HD                    | PV                      | AM                    | 01-08-2023 |
|      | Description/ParaKrimi | Drawn/<br>Te vizatuar | Checked/<br>Kontrolluar | Approved/<br>Miratuar | Date/Date  |

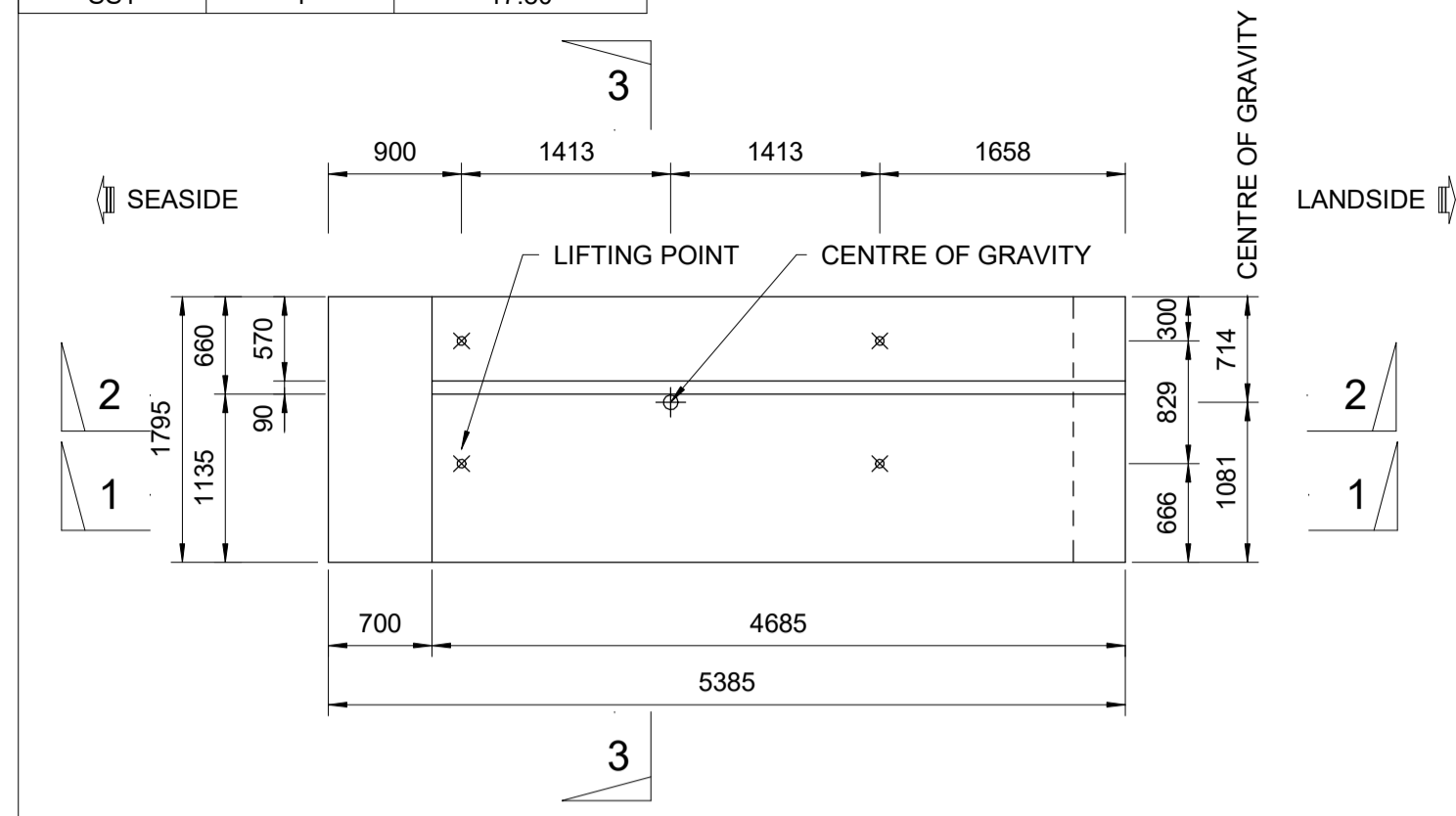
abkons ADEC TAULANT shpk GEO ENG Royal HaskoningDHV

Client/Parasiteti: Durrës Port Authority / Autoriteti Portual Durrës  
 Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano  
 Discipline/Disiplina: Offshore - Civil

|                                                              |                              |                             |                          |           |                       |
|--------------------------------------------------------------|------------------------------|-----------------------------|--------------------------|-----------|-----------------------|
| Scale/Shekulli: A1                                           | Scale/Shekulli: As indicated | Phase/Faza: Detailed Design | Sheetno./Nr. i fletës: 1 | of nga: 1 | Revision/Rahkimi: P02 |
| Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2172 |                              |                             |                          |           |                       |

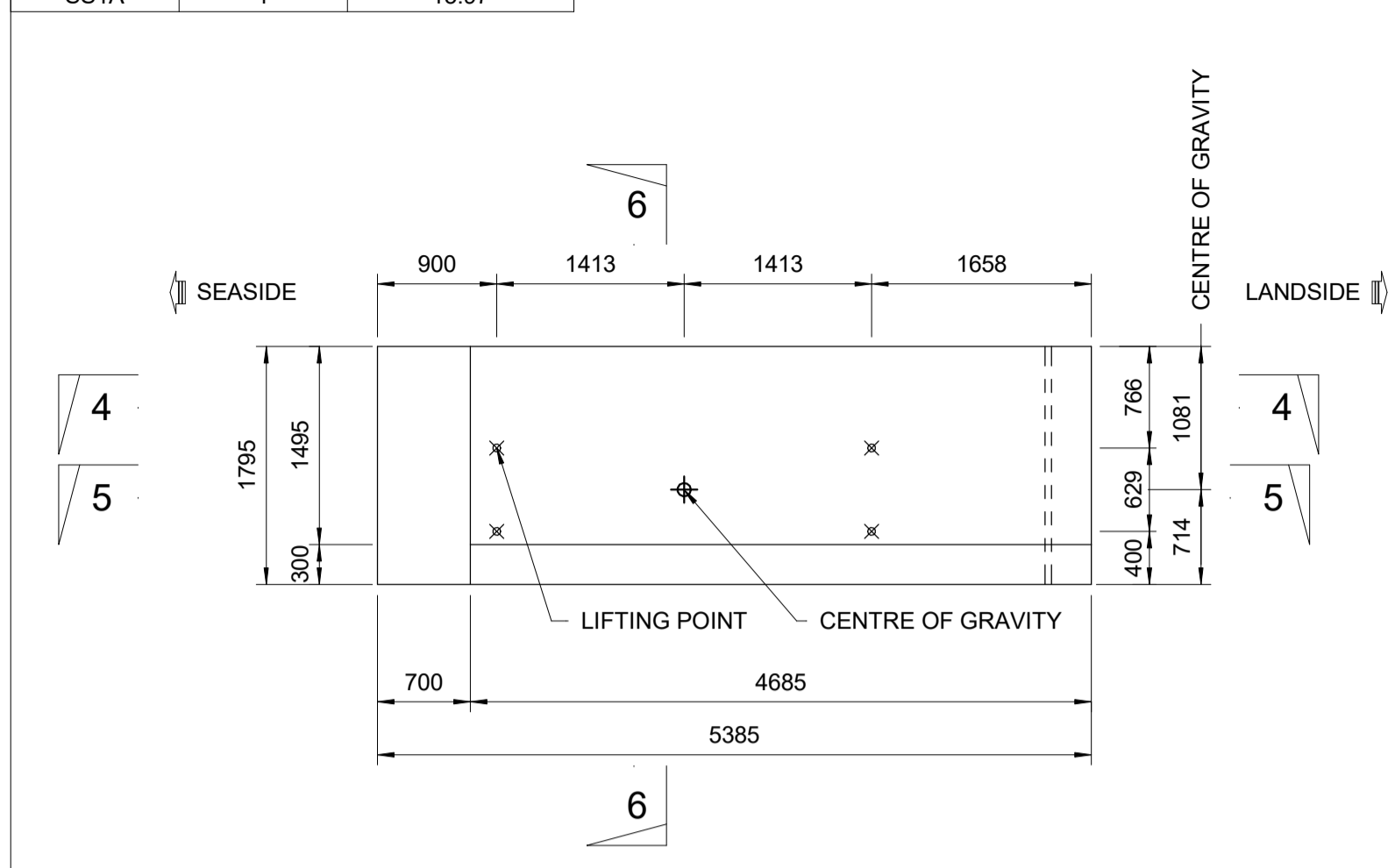


| PRECAST TRANSITION SLAB |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| SS1                     | 1              | 17.80              |



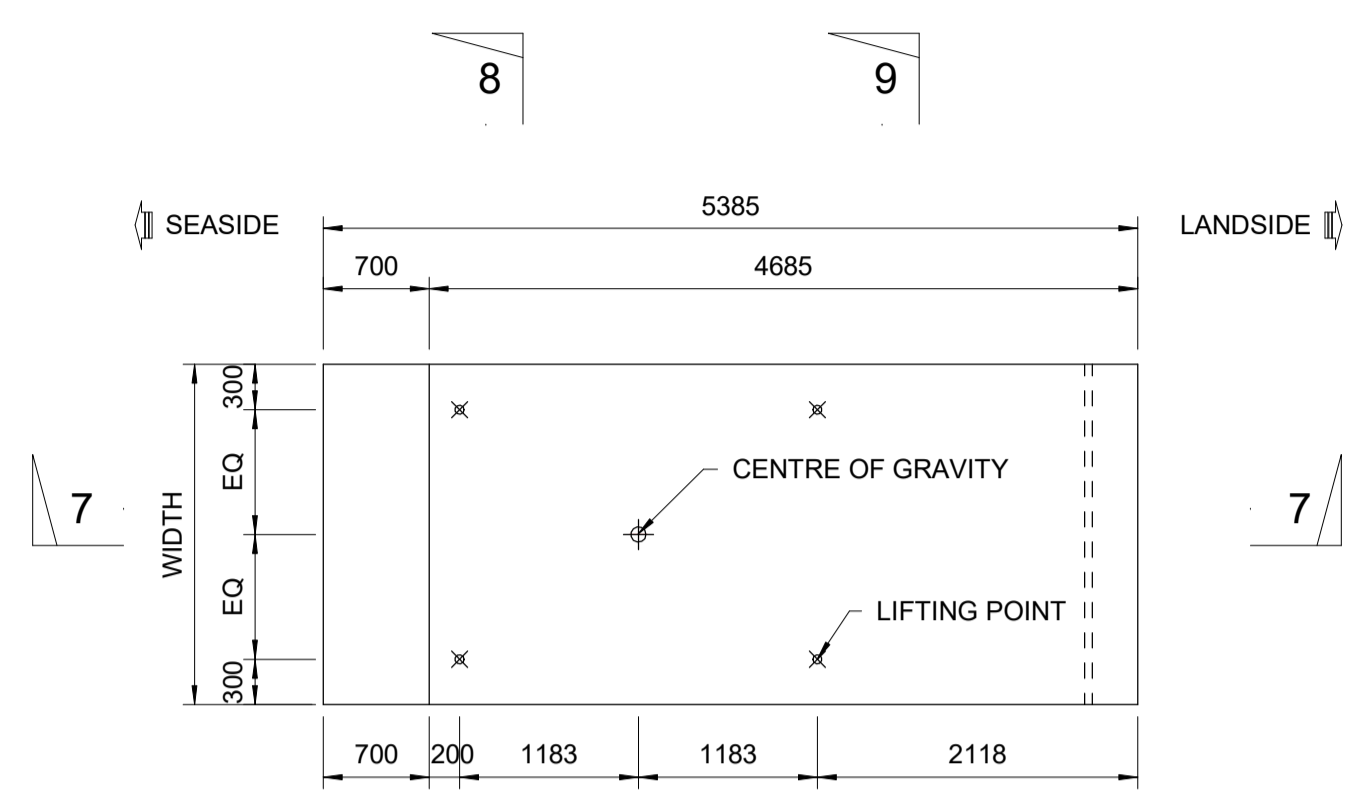
**SS1 PLAN**  
SCALE 1 : 50

| PRECAST TRANSITION SLAB |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| SS1A                    | 1              | 13.97              |



**SS1A PLAN**  
SCALE 1 : 50

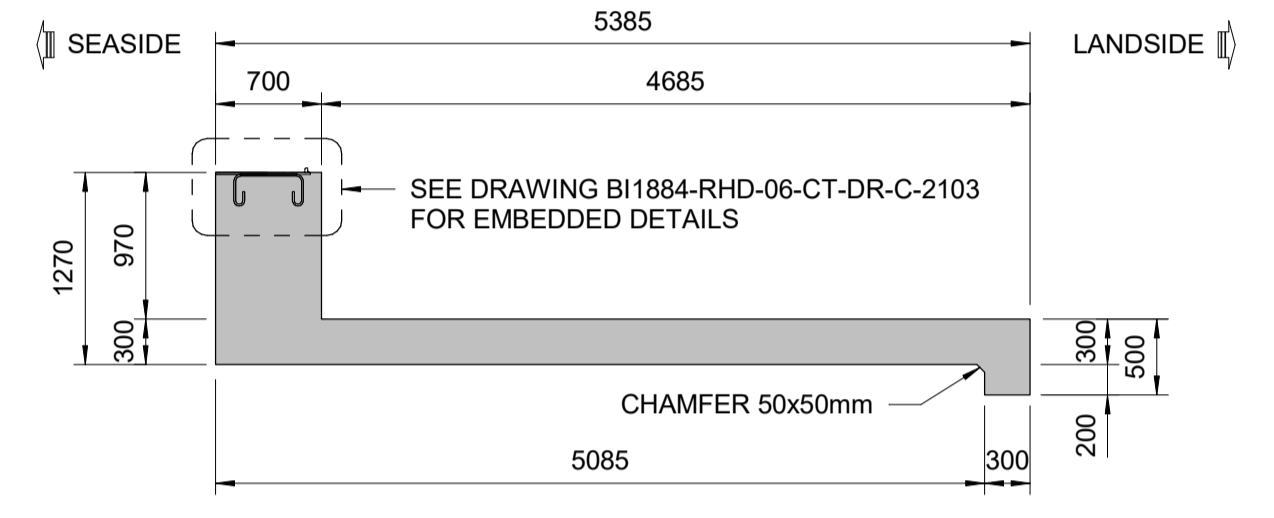
| PRECAST TRANSITION SLAB |                |            |                    |
|-------------------------|----------------|------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WIDTH (mm) | WEIGHT OF UNIT (t) |
| SS5                     | 130            | 2250       | 13.21              |
| SS6                     | 7              | 2070       | 12.15              |
| SS7                     | 4              | 2890       | 16.97              |
| SS8                     | 1              | 1940       | 11.39              |
| SS9                     | 1              | 1510       | 8.86               |



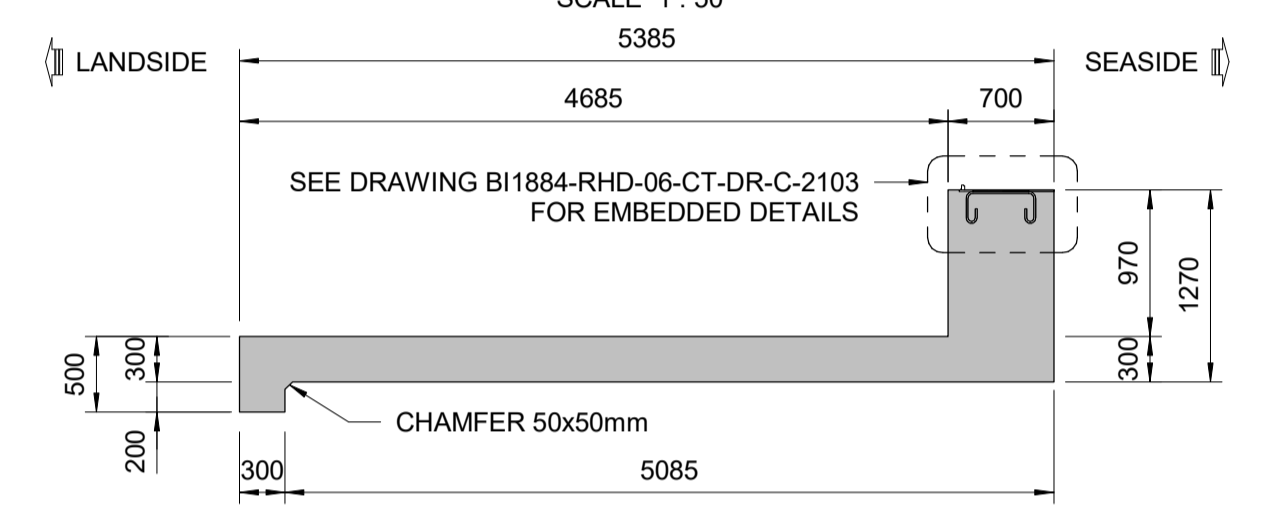
**PLAN**  
SCALE 1 : 50

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  - CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
  - ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
  - OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
  - MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
  - LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
  - CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
  - STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
  - UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
  - ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.
  - FOR BEARING PAD DETAILS, REFER TO DRAWING BI1884-RHD-06-CT-DR-C-2103
- REFERENCE DRAWINGS:**
- BI1884-RHD-06-CT-DR-C-2131 to 2132
  - BI1884-RHD-06-CT-DR-C-2251 to 2254

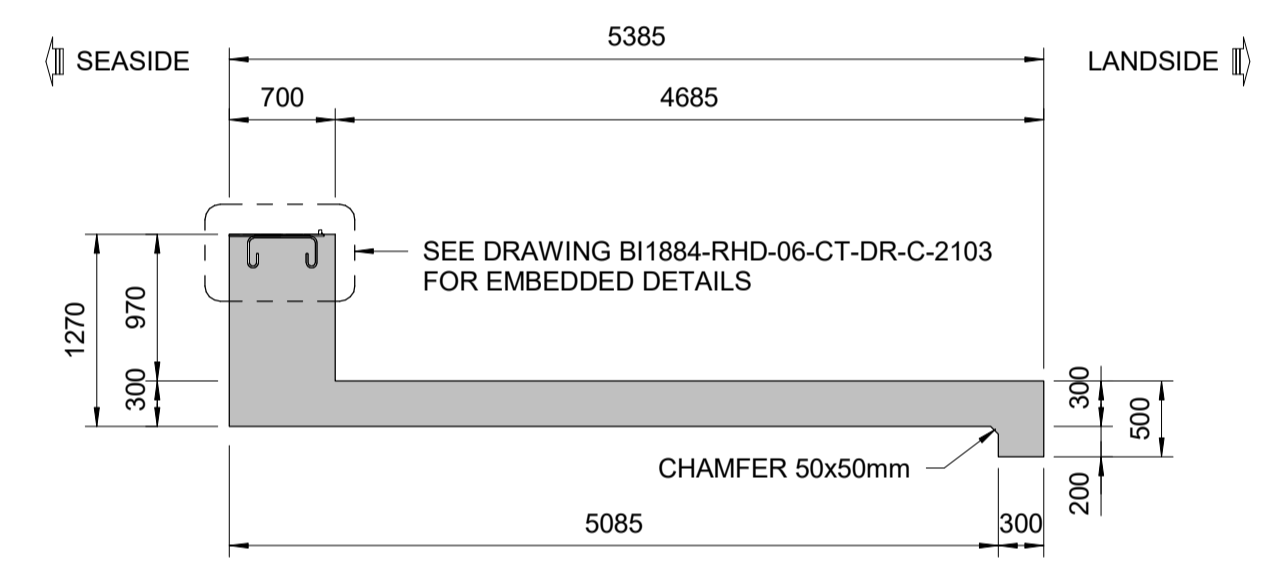
- LEGEND:**
- ⊙ COG: CENTER OF GRAVITY
  - ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN



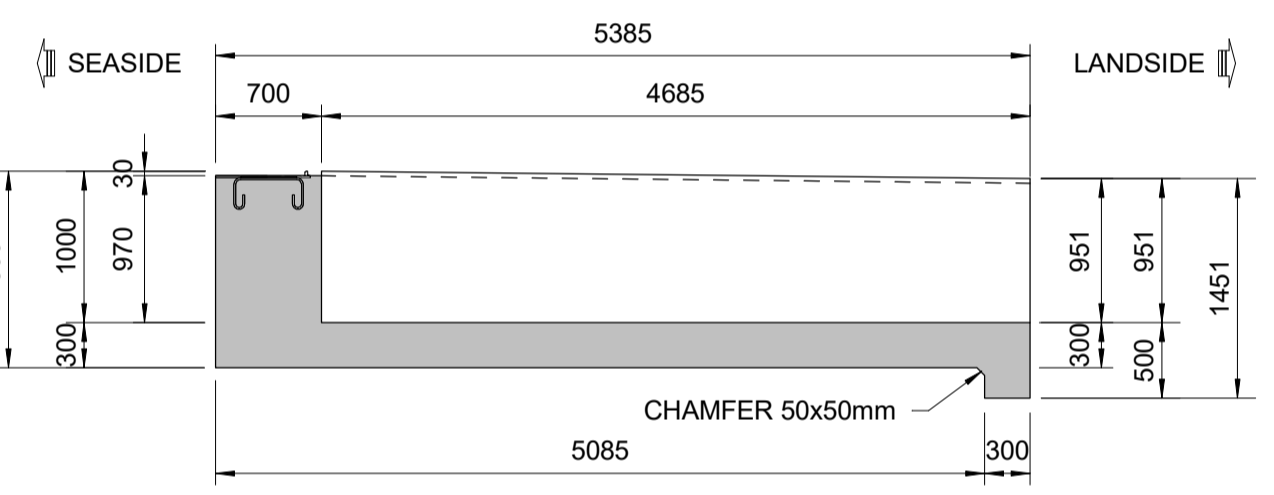
**SECTION 1-1**  
SCALE 1 : 50



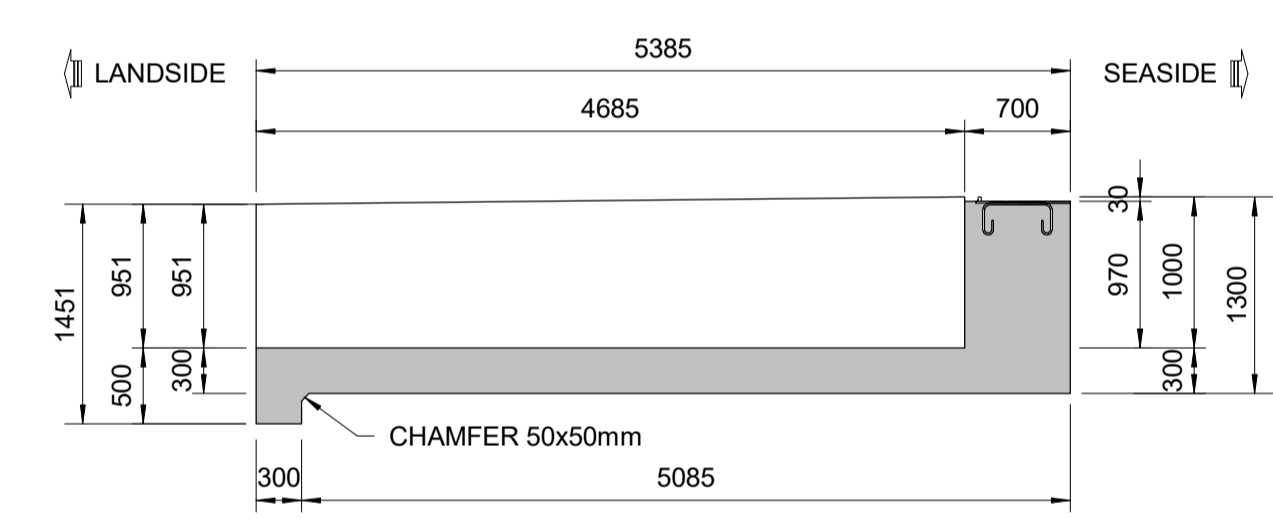
**SECTION 4-4**  
SCALE 1 : 50



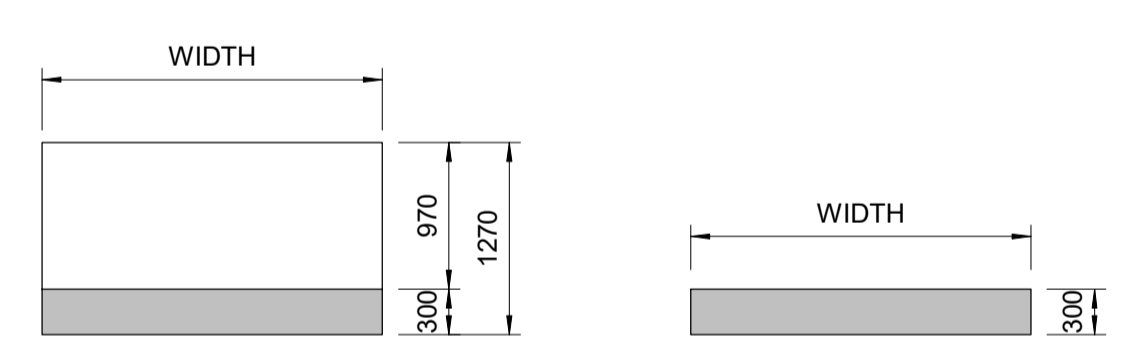
**SECTION 7-7**  
SCALE 1 : 50



**SECTION 2-2**  
SCALE 1 : 50

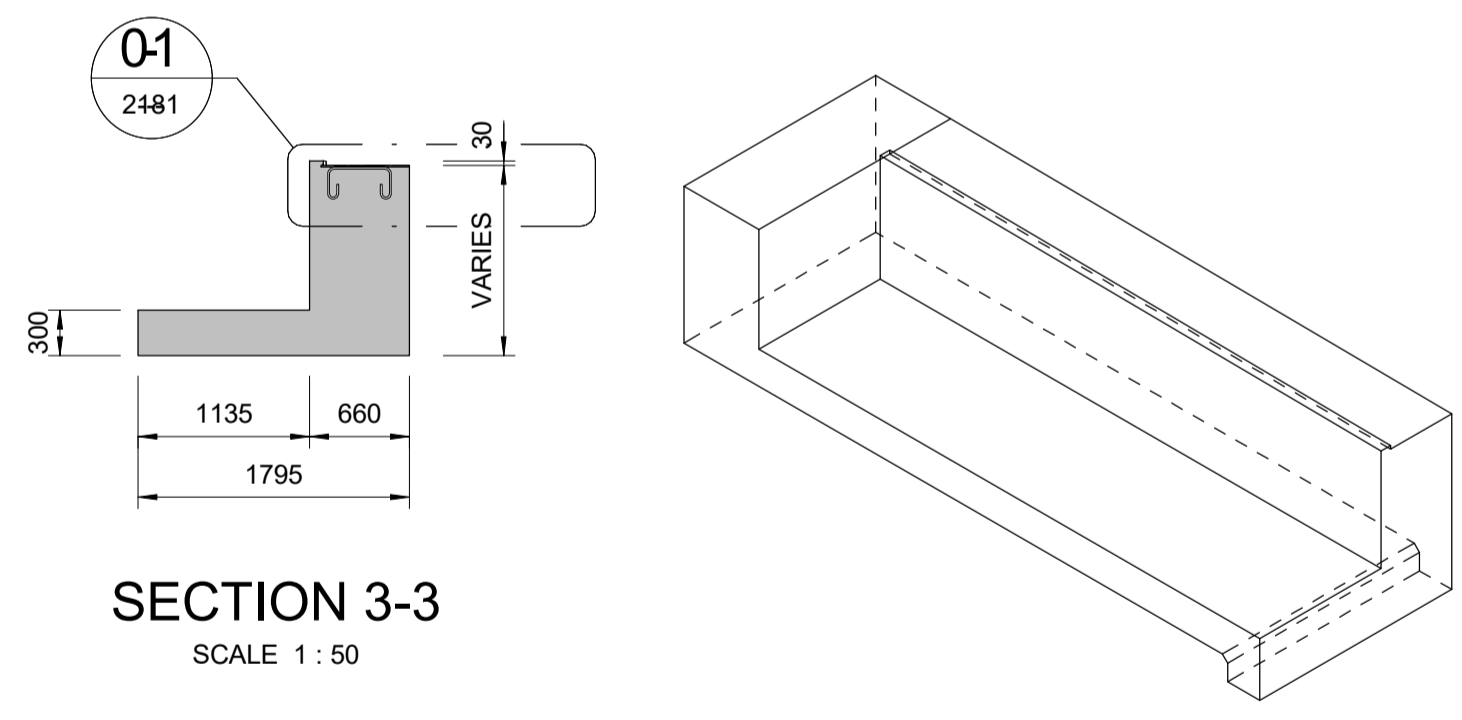


**SECTION 5-5**  
SCALE 1 : 50



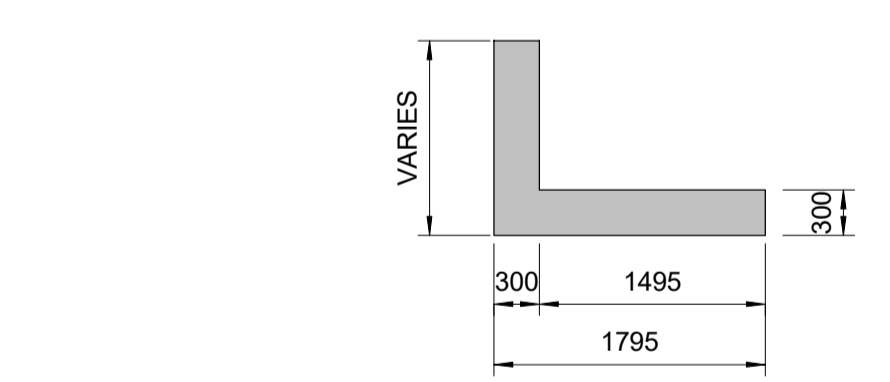
**SECTION 8-8**  
SCALE 1 : 50

**SECTION 9-9**  
SCALE 1 : 50

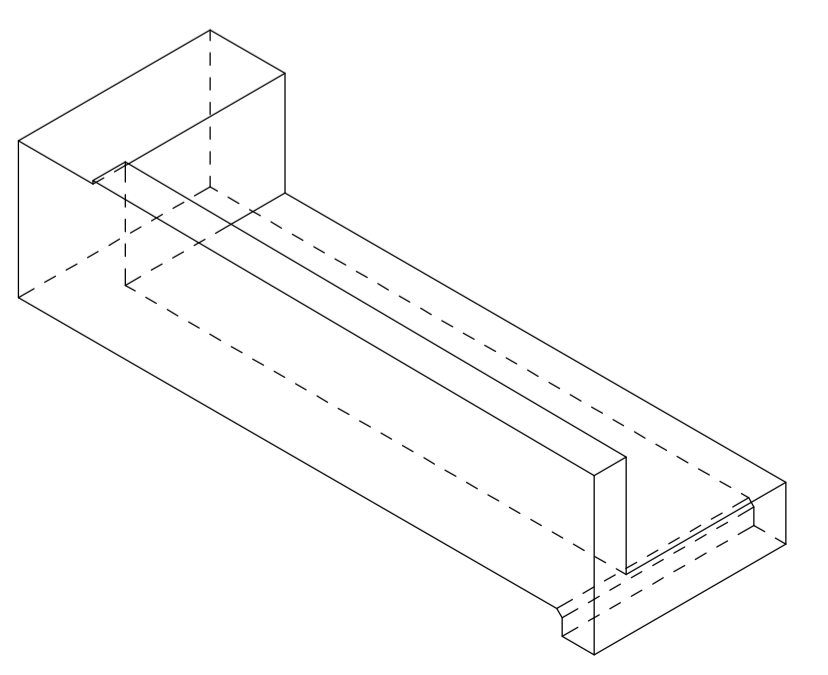


**SECTION 3-3**  
SCALE 1 : 50

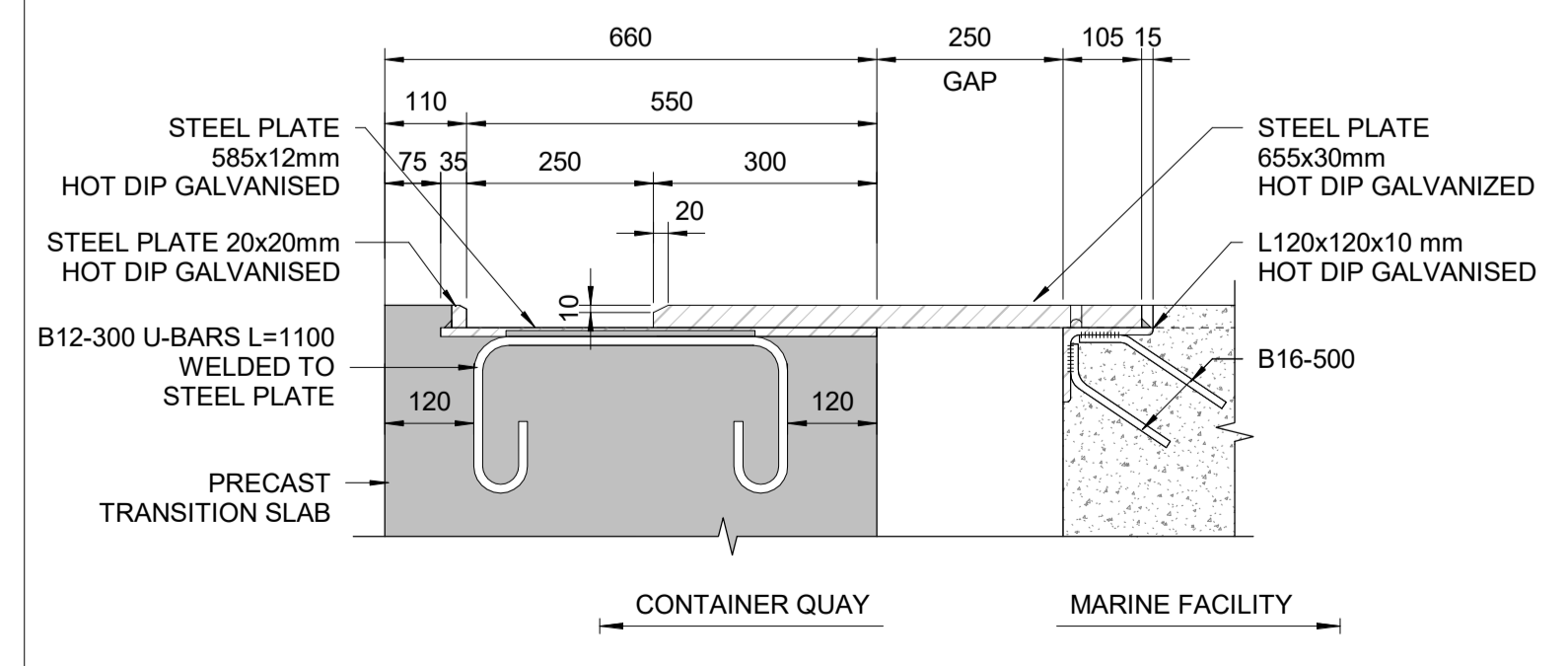
**PERSPECTIVE SS1**  
NOTE: REINFORCEMENT NOT SHOWN.



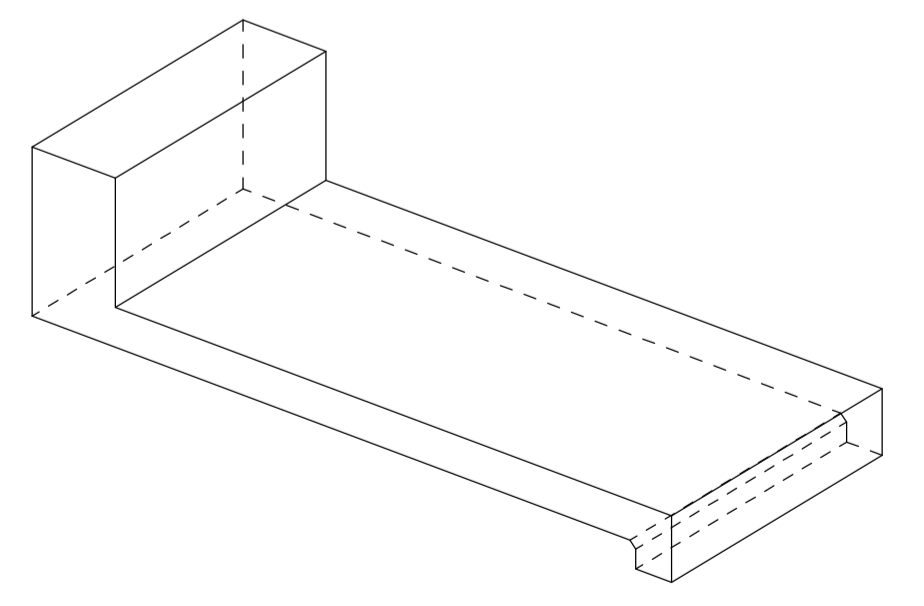
**SECTION 6-6**  
SCALE 1 : 50



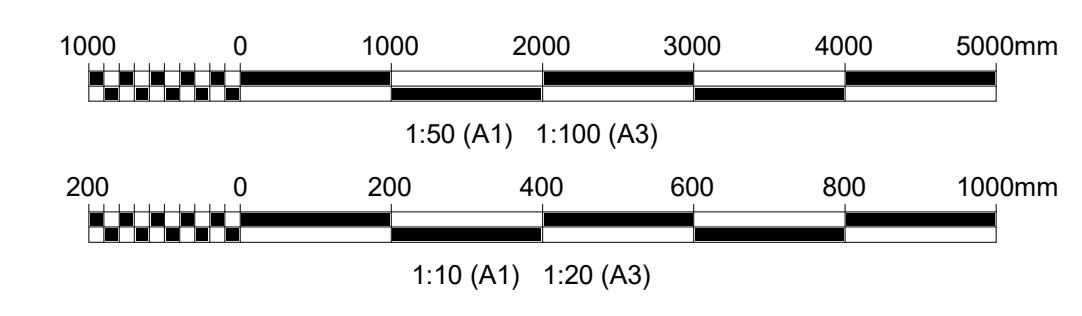
**PERSPECTIVE SS1A**  
NOTE: REINFORCEMENT NOT SHOWN.



**DETAIL 01**  
SCALE 1 : 10



**PERSPECTIVE**  
NOTE: REINFORCEMENT NOT SHOWN.



|      |     |                      |                   |                     |                  |            |
|------|-----|----------------------|-------------------|---------------------|------------------|------------|
| Rev. | NO. | DESCRIPTION/REVISION | GP                | PV                  | AM               | DATE       |
|      | P01 | FOR REVIEW           | GP                | PV                  | AM               | 29-08-2023 |
|      |     |                      | Drawn/Te vizatuar | Checked/Kontrolluar | Approved/Miratur | 01-08-2023 |

Client/Porositësi: Durrës Port Authority / Autoriteti Portual Durrës

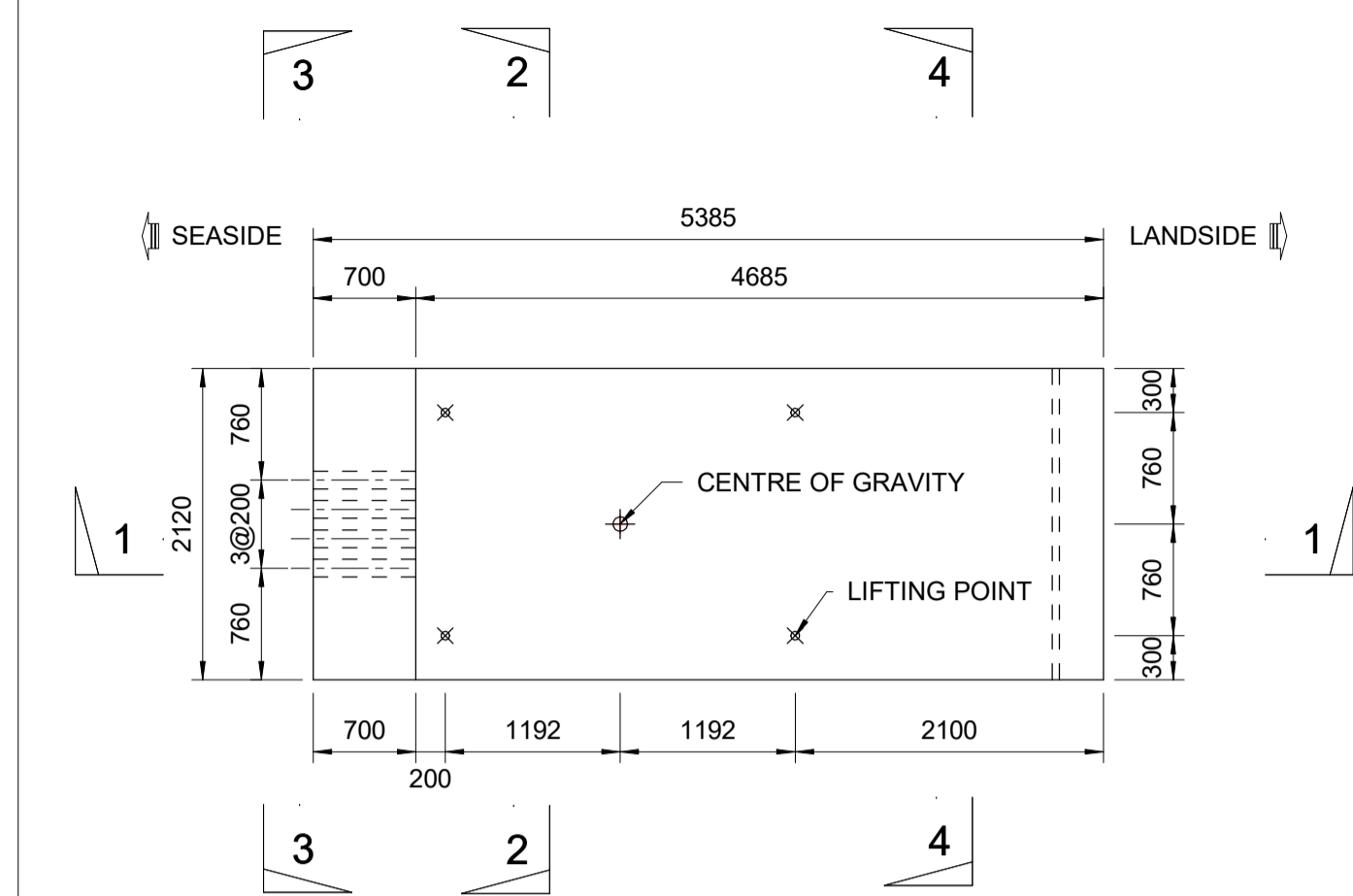
Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano

Discipline/Disiplina: Offshore - Civil

Revision/Rishkrim: P02

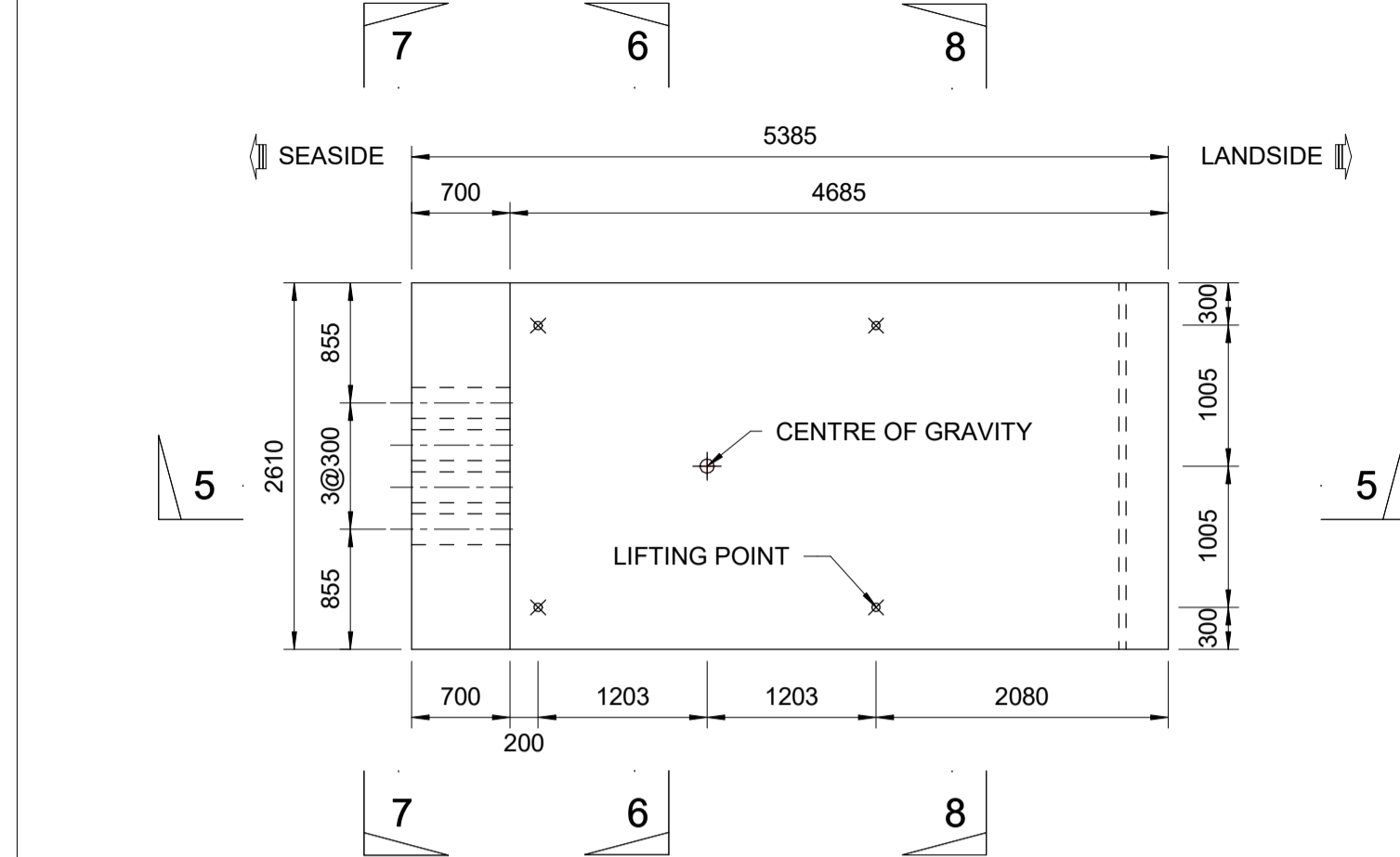
Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2181

| PRECAST TRANSITION SLAB |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| SS2                     | 2              | 12.37              |



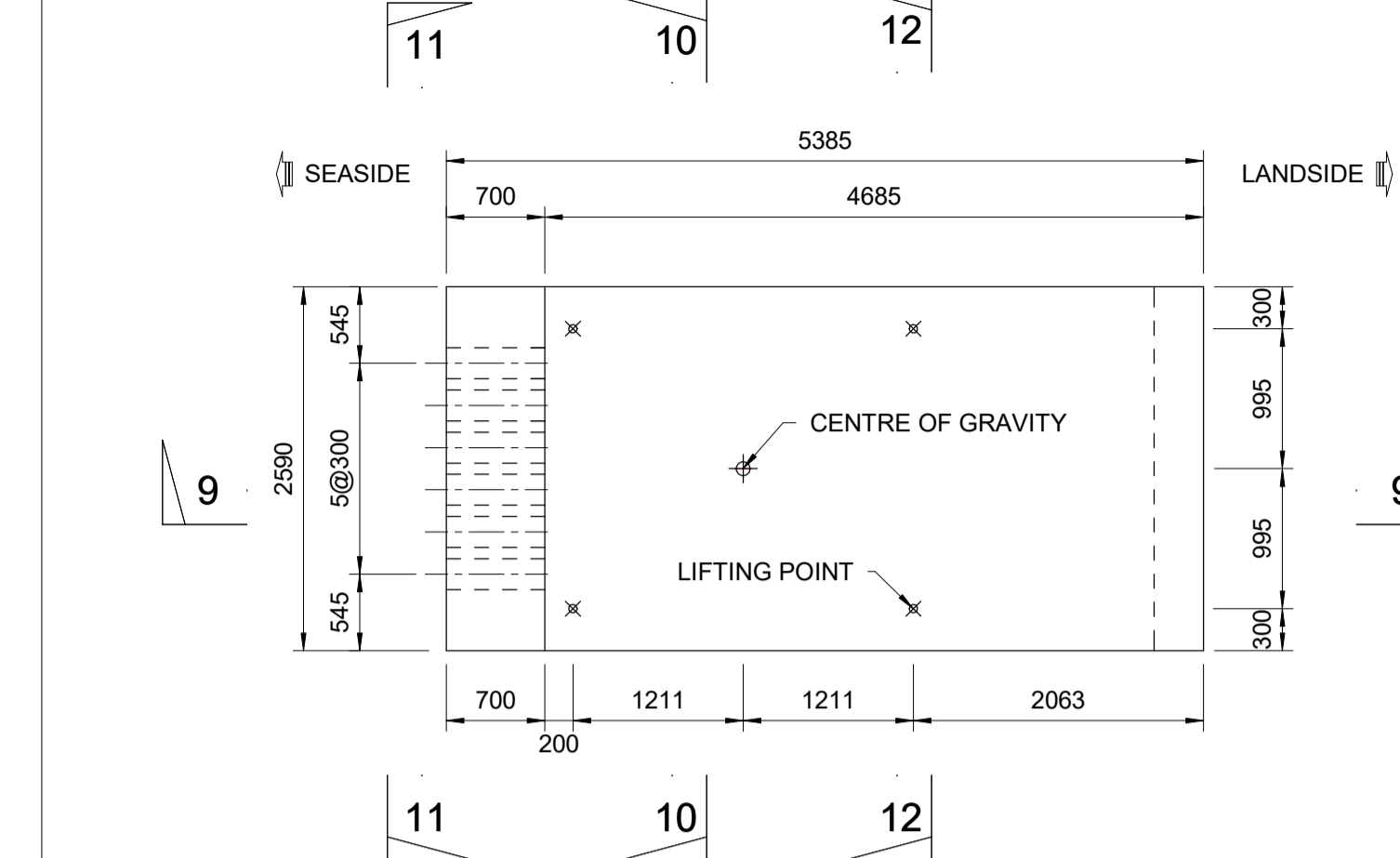
**SS2 PLAN**  
SCALE 1 : 50

| PRECAST TRANSITION SLAB |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| SS3                     | 12             | 15.06              |



**SS3 PLAN**  
SCALE 1 : 50

| PRECAST TRANSITION SLAB |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| SS4                     | 2              | 14.81              |



**SS4 PLAN**  
SCALE 1 : 50

**NOTES:**

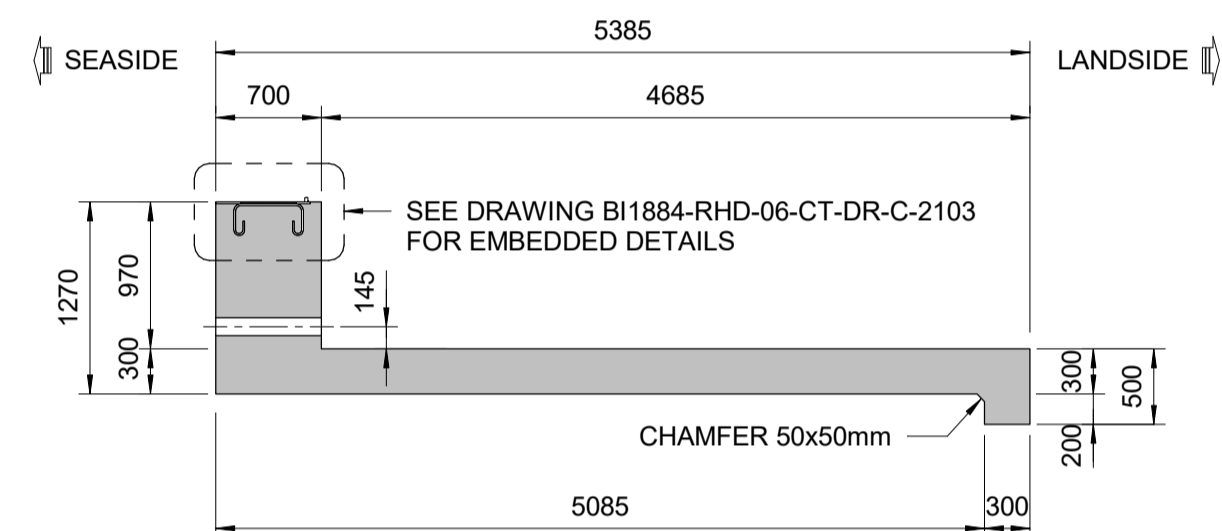
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
3. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
4. OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
5. MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
6. LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
7. CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
8. STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
9. UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
10. ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.
11. FOR BEARING PAD DETAILS, REFER TO DRAWING BI1884-RHD-06-CT-DR-C-2103

**REFERENCE DRAWINGS:**

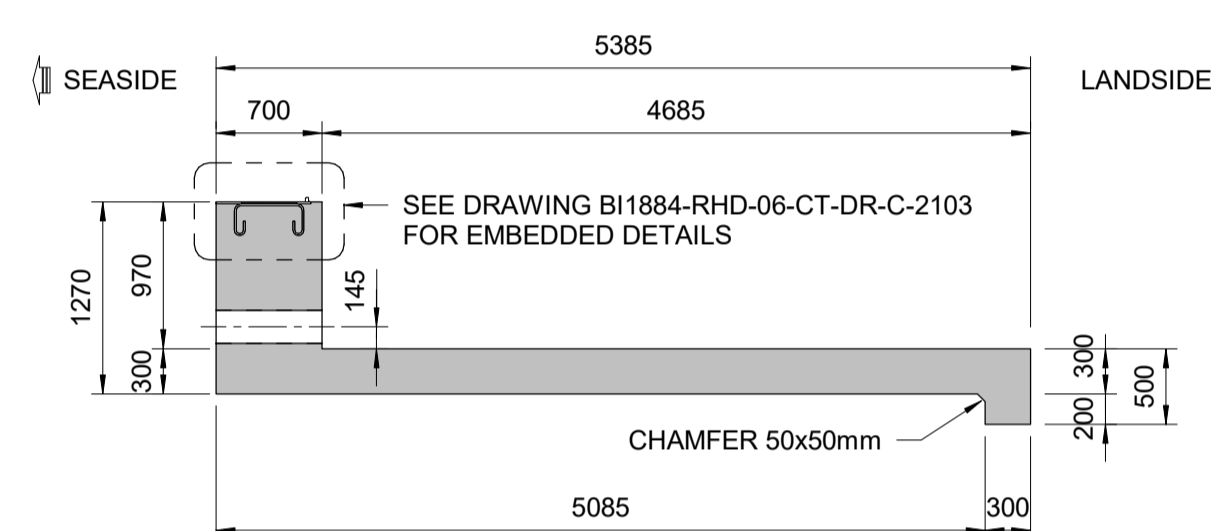
1. BI1884-RHD-06-CT-DR-C-2131 to 2132
2. BI1884-RHD-06-CT-DR-C-2251 to 2254

**LEGEND:**

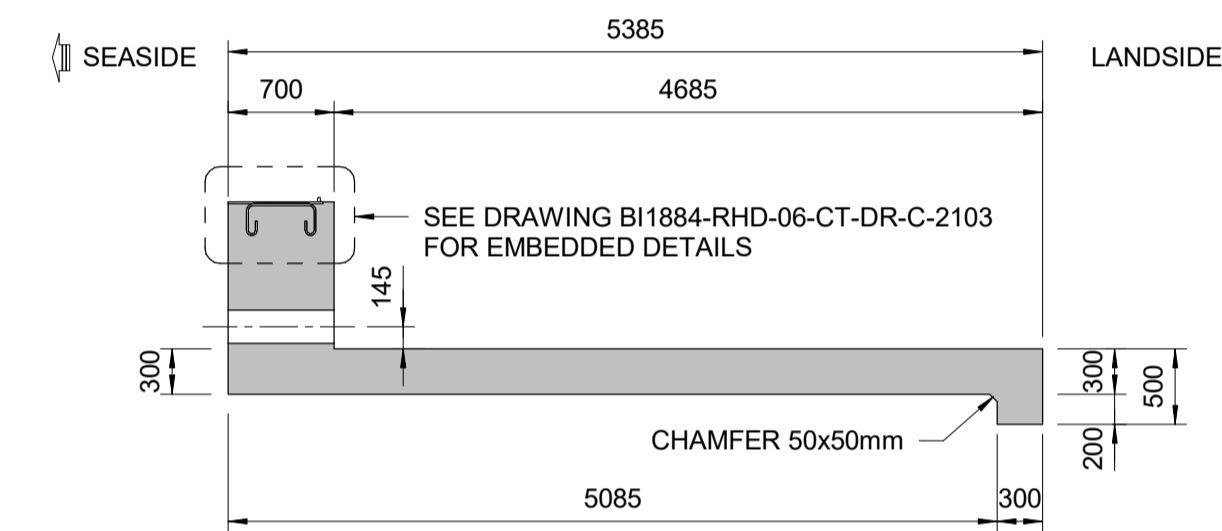
- ⊙ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN



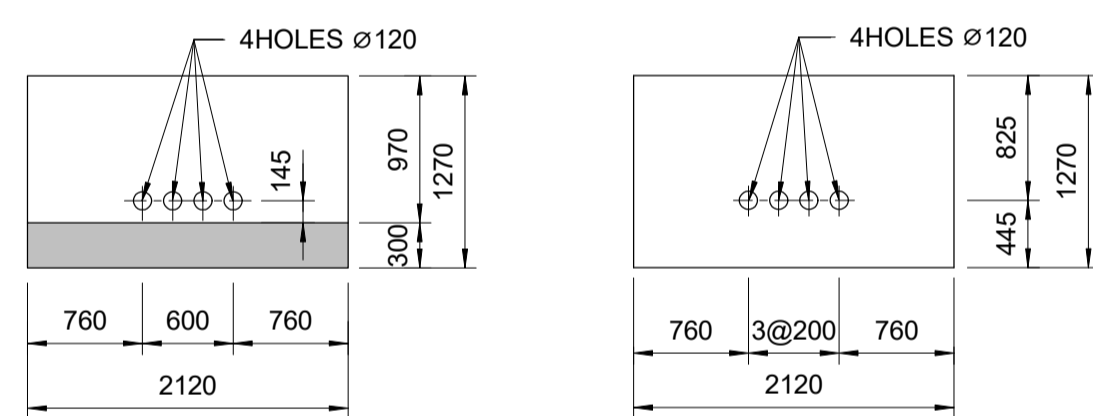
**SECTION 1-1**  
SCALE 1 : 50



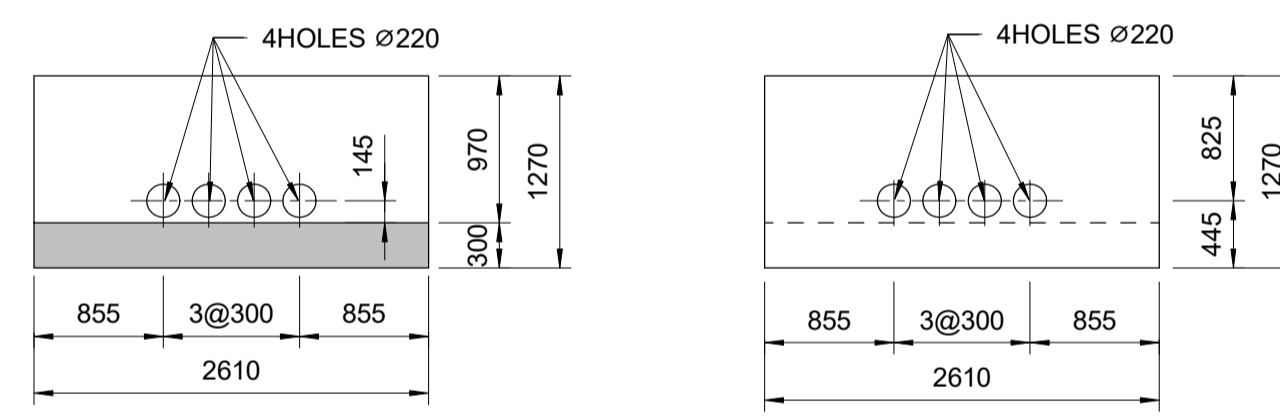
**SECTION 5-5**  
SCALE 1 : 50



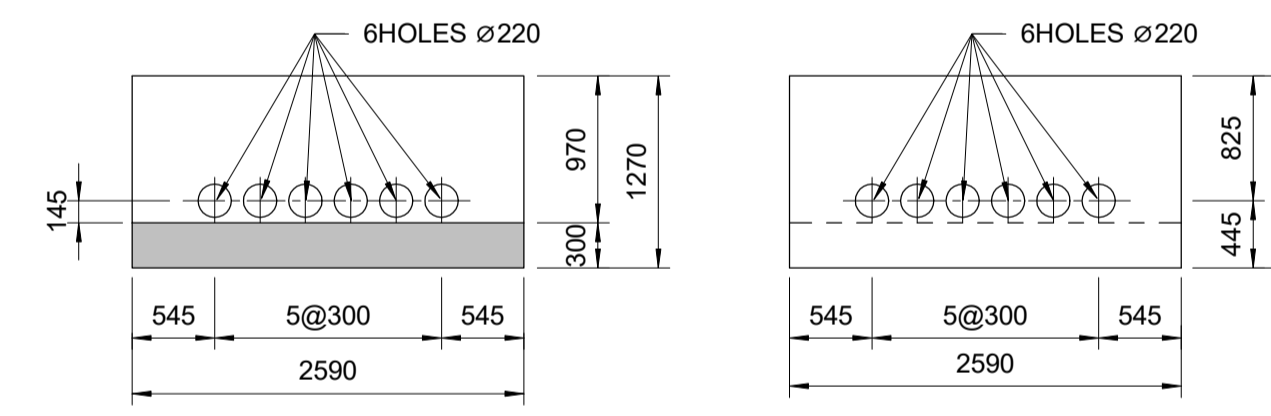
**SECTION 9-9**  
SCALE 1 : 50



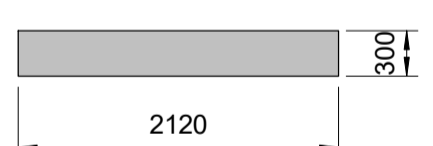
**SECTION 2-2** SCALE 1 : 50  
**ELEVATION 3-3** SCALE 1 : 50



**SECTION 6-6** SCALE 1 : 50  
**ELEVATION 7-7** SCALE 1 : 50

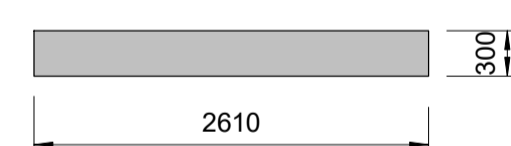


**SECTION 10-10** SCALE 1 : 50  
**SECTION 11-11** SCALE 1 : 50



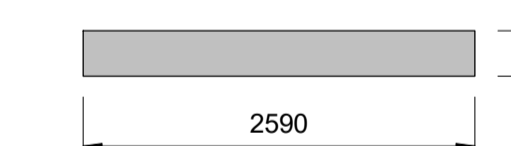
**SECTION 4-4**  
SCALE 1 : 50

NOTE: REINFORCEMENT NOT SHOWN.



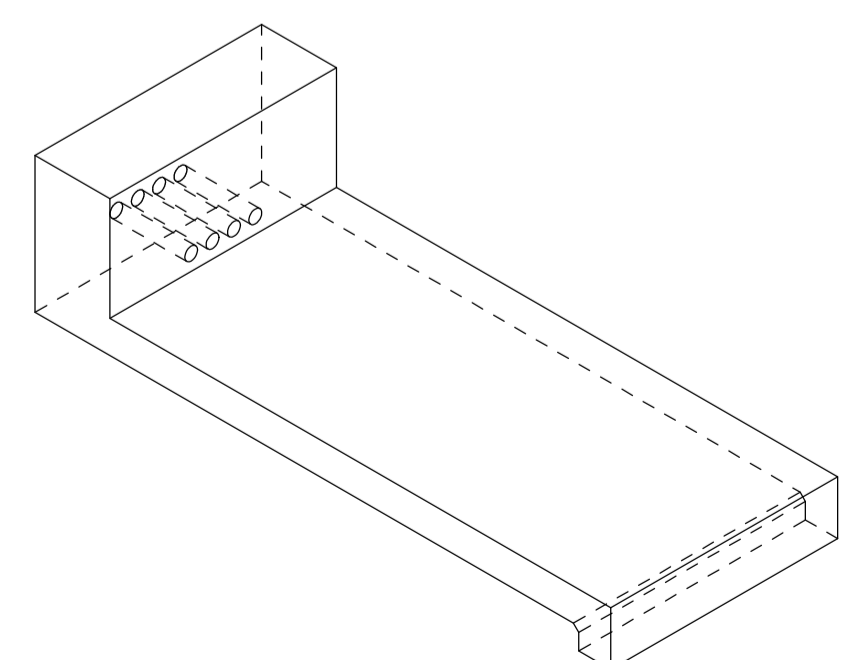
**SECTION 8-8**

NOTE: REINFORCEMENT NOT SHOWN.

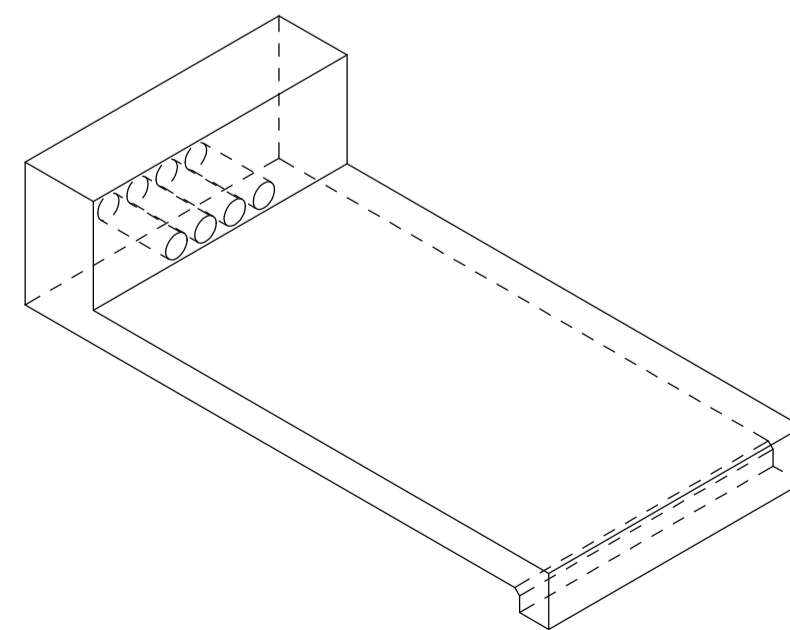


**SECTION 12-12**  
SCALE 1 : 50

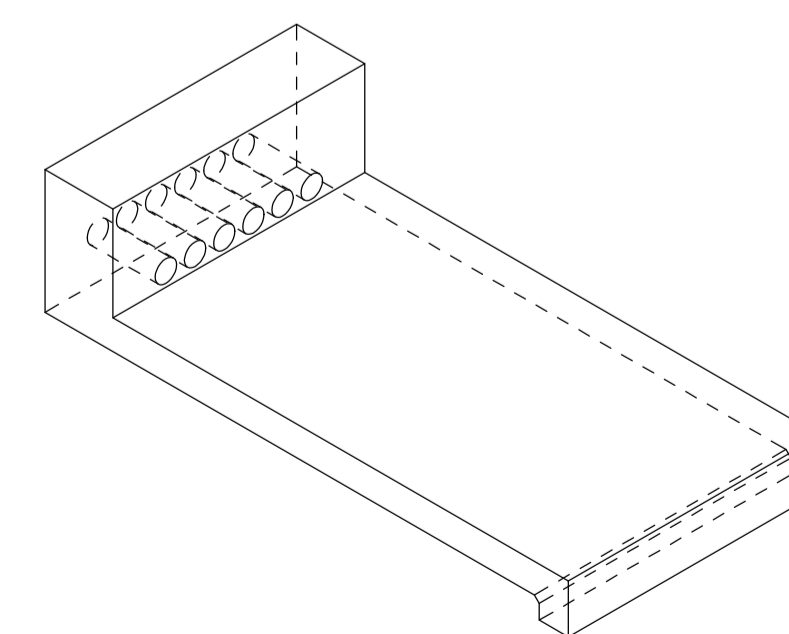
NOTE: REINFORCEMENT NOT SHOWN.



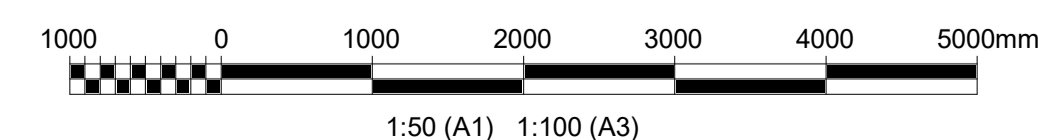
**PERSPECTIVE**



**PERSPECTIVE**



**PERSPECTIVE**



|      |                         |                    |                      |                    |            |
|------|-------------------------|--------------------|----------------------|--------------------|------------|
| Rev. | DESCRIPTION/Description | Drawn/ Te vizatuar | Checked/ Kontrolluar | Approved/ Miratuar | Date/ Data |
| P02  | FINAL SUBMISSION        |                    |                      | AM                 | 25-08-2023 |
| P01  | FOR REVIEW              |                    |                      | AM                 | 01-08-2023 |

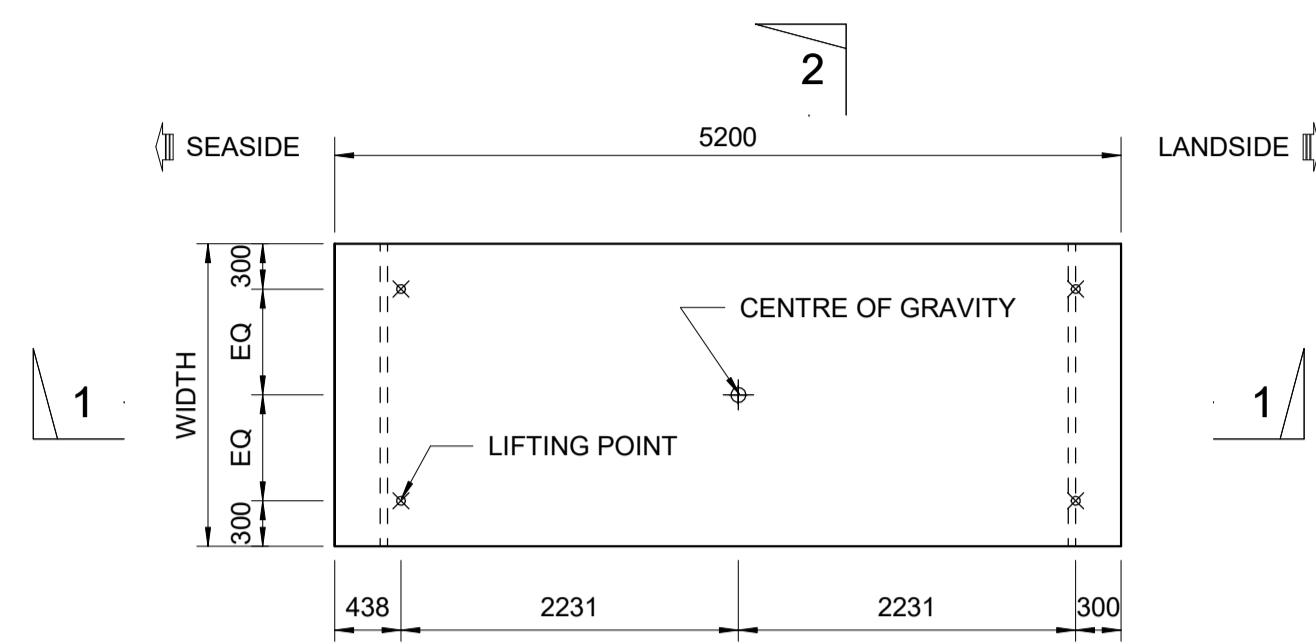


Client/Porositësi: Durrës Port Authority / Autoriteti Portual Durrës  
 Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano  
 Design Object/Objekt projektimi: Container Terminal  
 Discipline/Disiplina: Offshore - Civil

Title/Titulli: Phase 1 Precast Transition Slabs SS2, SS3, SS4 General Details  
 Revision/Rahkimi: P02

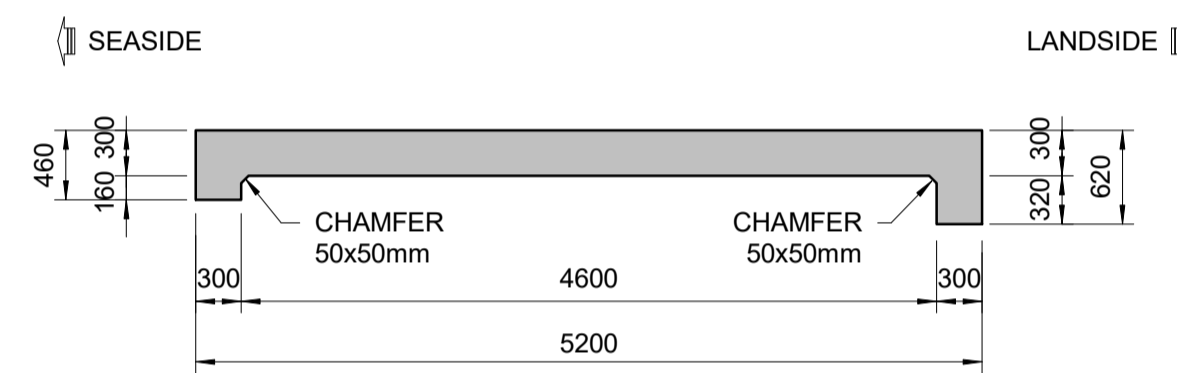
|                             |                             |                    |                                                              |
|-----------------------------|-----------------------------|--------------------|--------------------------------------------------------------|
| Scale/Shkalla: As indicated | Phase/Faza: Detailed Design | Sheet/foja: 1 of 1 | Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2182 |
|-----------------------------|-----------------------------|--------------------|--------------------------------------------------------------|

| PRECAST TRANSITION SLAB |                |            |                    |
|-------------------------|----------------|------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WIDTH (mm) | WEIGHT OF UNIT (t) |
| LS1                     | 181            | 2000       | 8.53               |



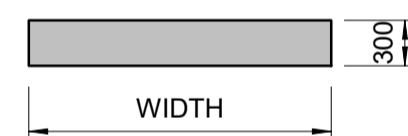
**PLAN**

SCALE 1 : 50



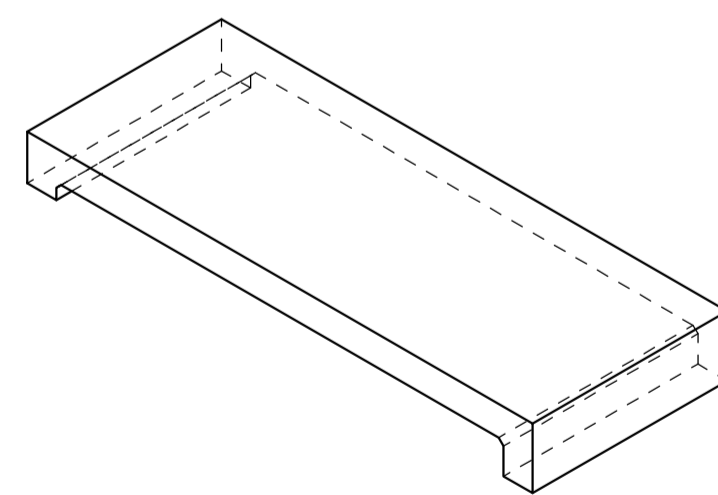
**SECTION 1-1**

SCALE 1 : 50



**SECTION 2-2**

SCALE 1 : 50

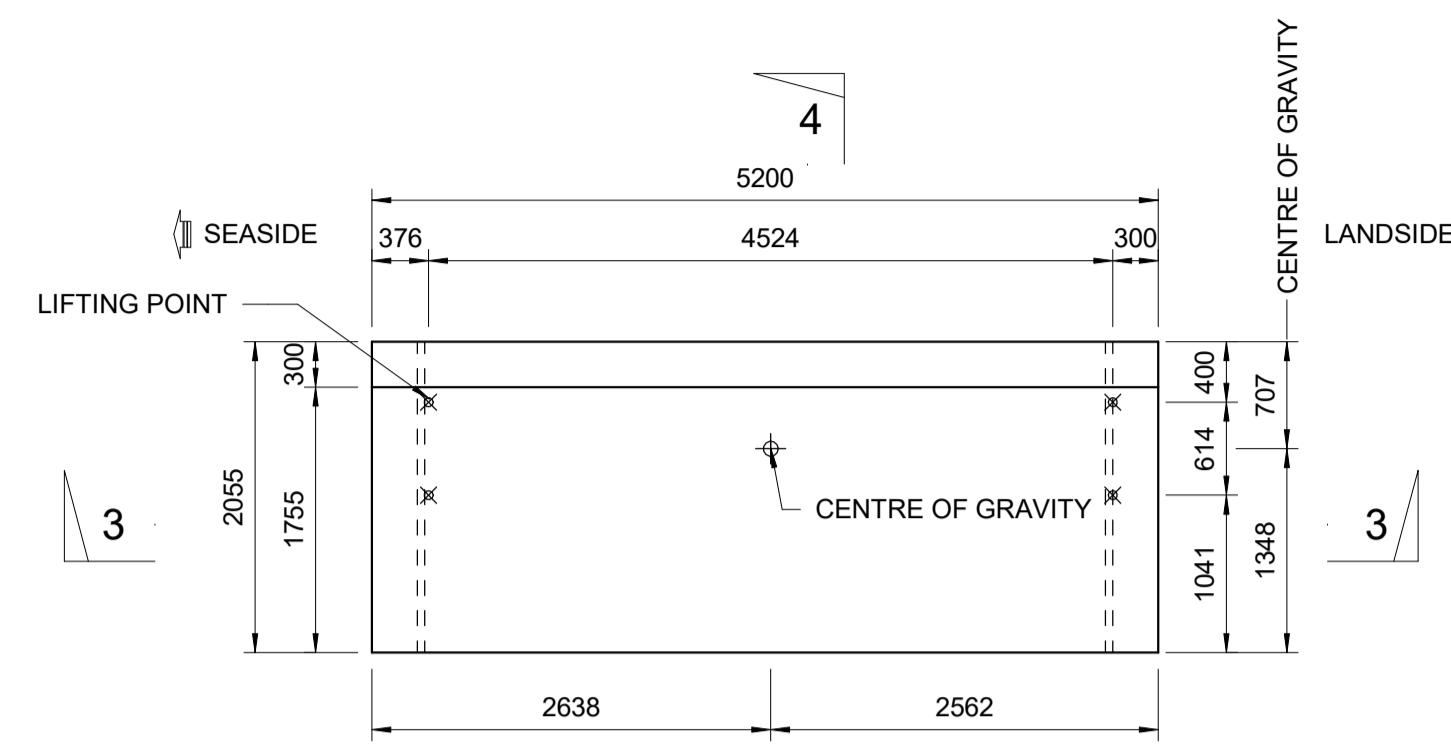


**PERSPECTIVE LS1**

NOTE: REINFORCEMENT NOT SHOWN.

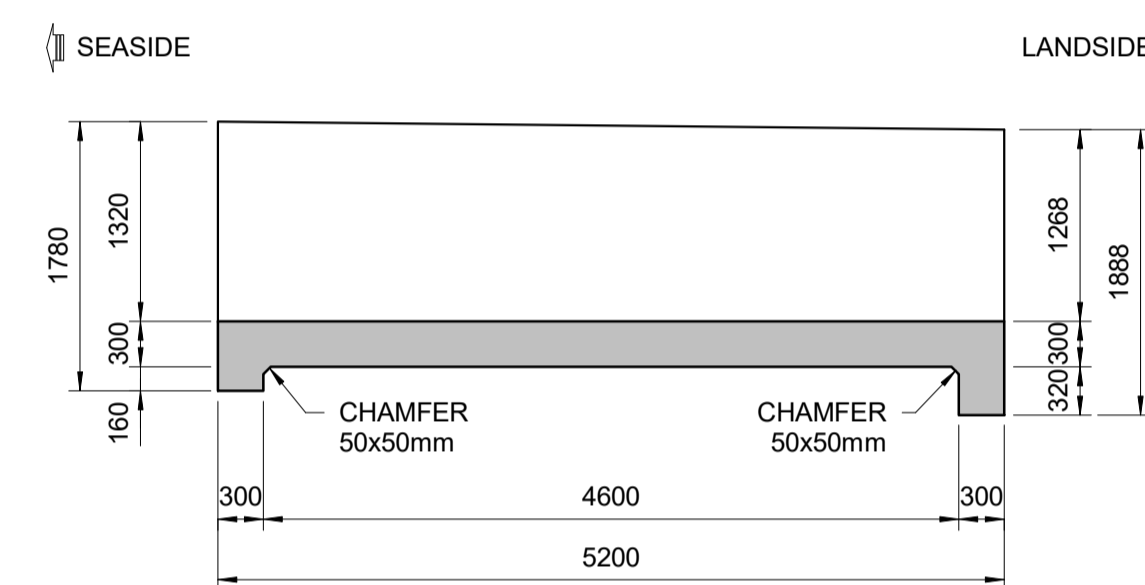
| PRECAST TRANSITION SLAB |                |                    |
|-------------------------|----------------|--------------------|
| UNIT                    | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| LS2                     | 1              | 13.81              |
| LS2A                    | 1              | 13.81              |

PRECAST TRANSITION SLAB LS2A IS SIMILAR TO LS2 BUT MIRRORED WALL POSITION AS SHOWN BELOW



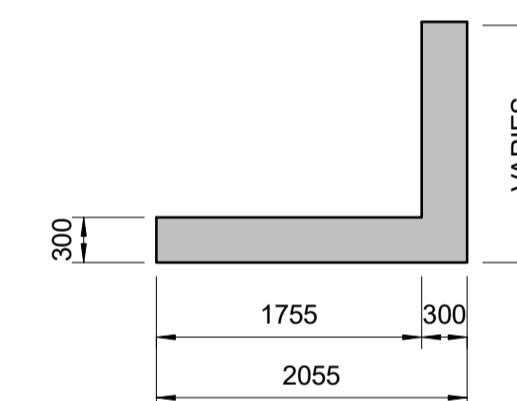
**LS2 PLAN**

SCALE 1 : 50



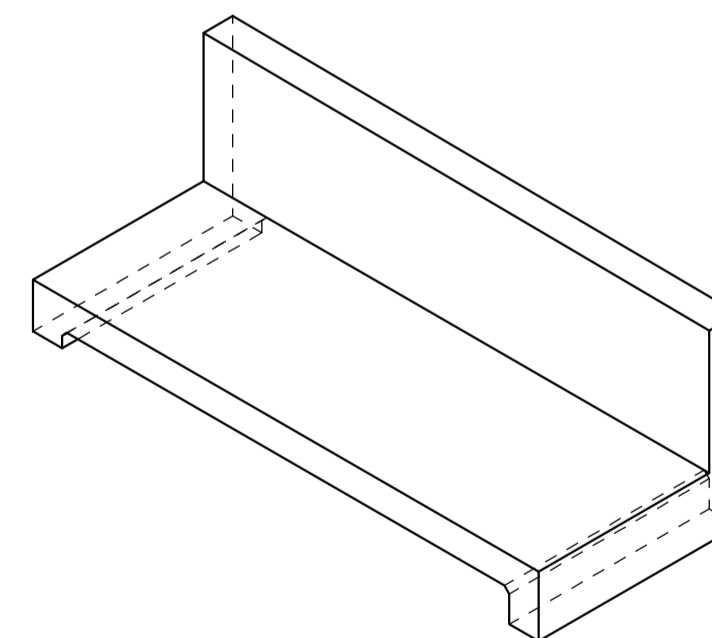
**SECTION 3-3**

SCALE 1 : 50



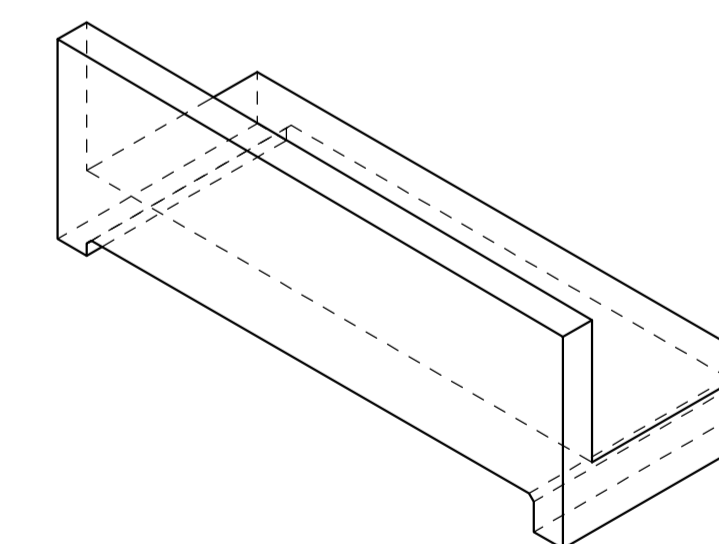
**SECTION 4-4**

SCALE 1 : 50



**PERSPECTIVE LS2**

NOTE: REINFORCEMENT NOT SHOWN.



**PERSPECTIVE LS2A**

**NOTES:**

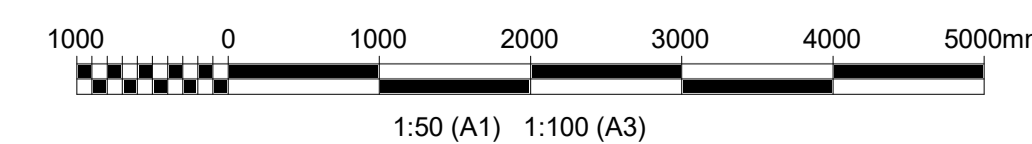
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
- ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
- OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
- MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
- LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
- CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
- STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
- UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
- ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.
- FOR BEARING PAD DETAILS, REFER TO DRAWING BI1884-RHD-06-CT-DR-C-2103

**REFERENCE DRAWINGS:**

- BI1884-RHD-06-CT-DR-C-2131 to 2132
- BI1884-RHD-06-CT-DR-C-2251 to 2254

**LEGEND:**

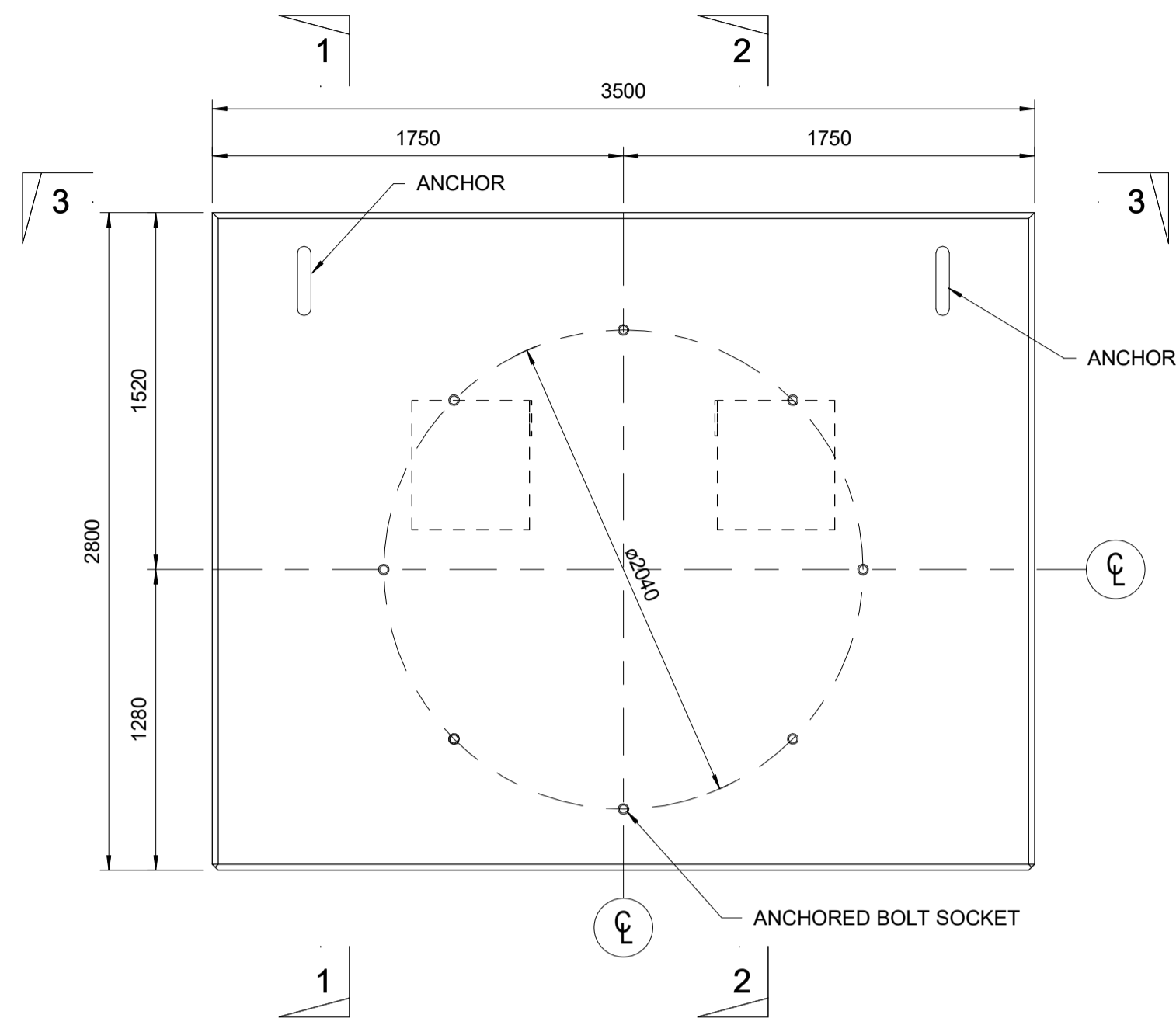
- COG: CENTER OF GRAVITY
- LOCATION OF LIFTING POINT ASSUMED IN DESIGN



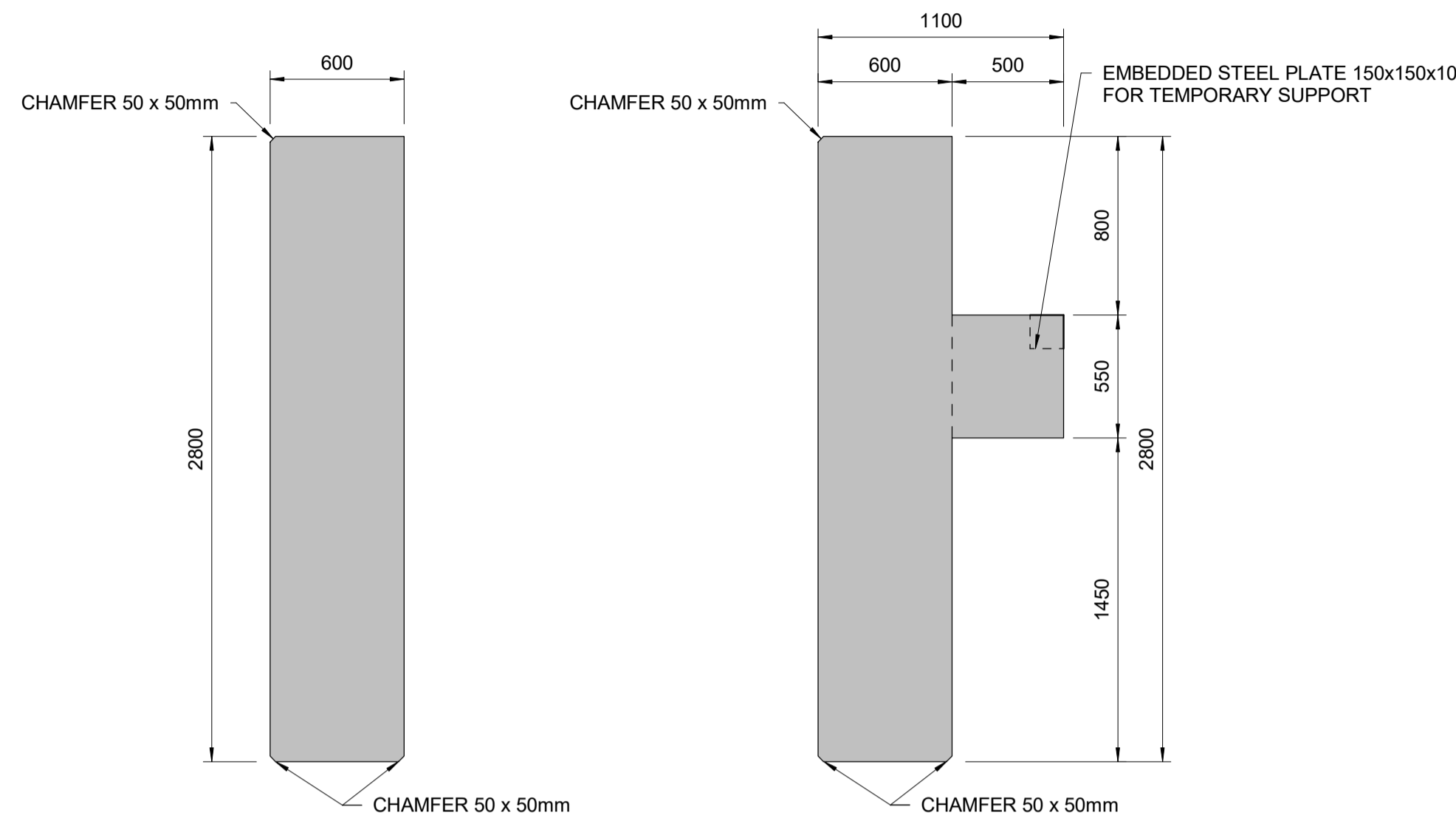
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|----------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|--------------------------------------------------------------|-----------------------|----------------------------------|-----------------------|------------|
| Rev.                                                                                                                 | NO.          | DESCRIPTION           | DATE                                                         | GP                    | PV                               | AM                    | 20-08-2023 |
| 01                                                                                                                   | 1            | FOR REVIEW            |                                                              | GP                    | PV                               | AM                    | 01-08-2023 |
| Rev.                                                                                                                 |              | Description/Përshkrim |                                                              | Drawn/<br>Të vizatuar | Checked/<br>Kontrolluar          | Approved/<br>Miratuar | Date/Date  |
|                                                                                                                      |              |                       |                                                              |                       |                                  |                       |            |
| <b>Client/Porositësi</b><br>DURRËS PORT AUTHORITY / Autoriteti Portual Durrës                                        |              |                       | <b>Design Object/Objekt projektimi</b><br>Container Terminal |                       |                                  |                       |            |
| <b>Project/Projekti</b><br>Integrated Port of Durrës in Porto Romano<br>Porti i integruar i Durrësit në Porto Romano |              |                       | <b>Discipline/Disiplina</b><br>Offshore - Civil              |                       |                                  |                       |            |
| <b>Title/Titull</b><br>Phase 1<br>Precast Transition Slabs LS1, LS2, LS2A<br>General Details                         |              |                       | <b>Revision/Rahkimi</b><br>P02                               |                       |                                  |                       |            |
| Scale/Shkala                                                                                                         | Scale/Shkala | Phase/Faza            | Sheet no./<br>Nr. i fletës                                   | of<br>nga             | Drawing Number/Numri i vizatimit |                       |            |
| A1                                                                                                                   | As indicated | Detailed Design       | 1                                                            | 1                     | BI1884-RHD-06-CT-DR-C-2183       |                       |            |

PRECAST FENDER DOWNSTAND

| UNIT | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
|------|----------------|--------------------|
| FD1  | 23             | 15.37              |

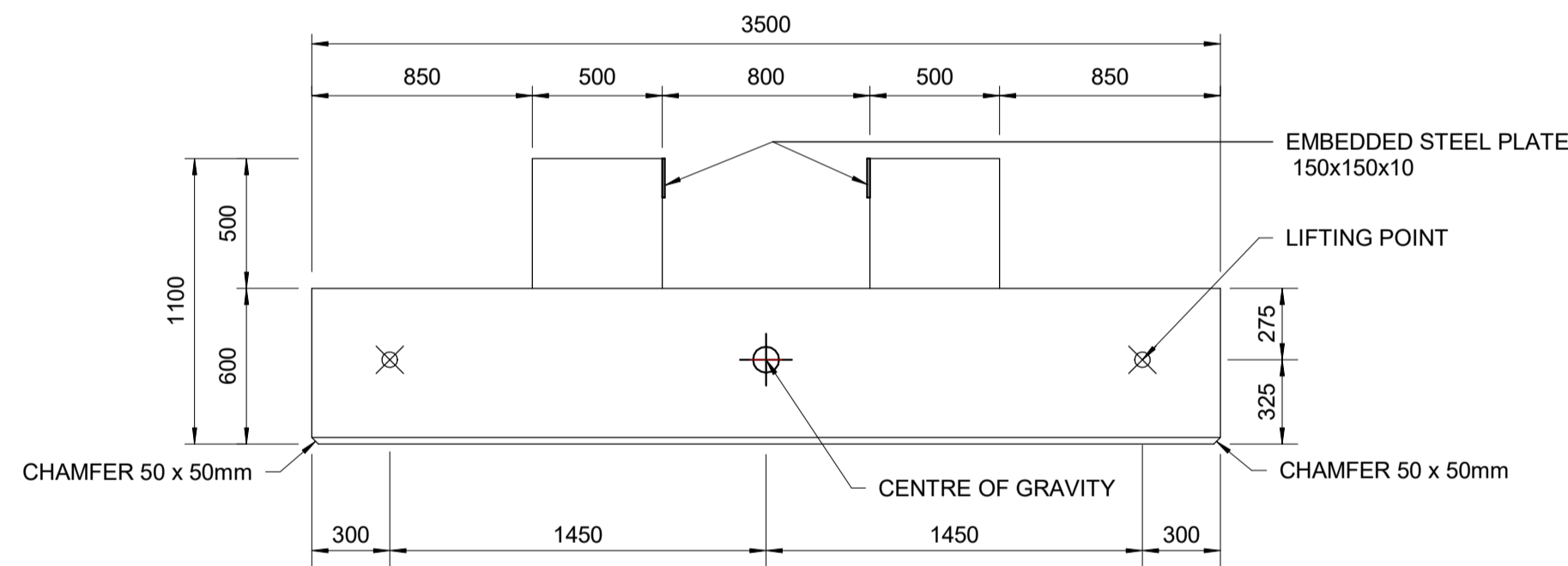


PRECAST FENDER BLOCK FD1 - ELEVATION  
SCALE 1 : 25



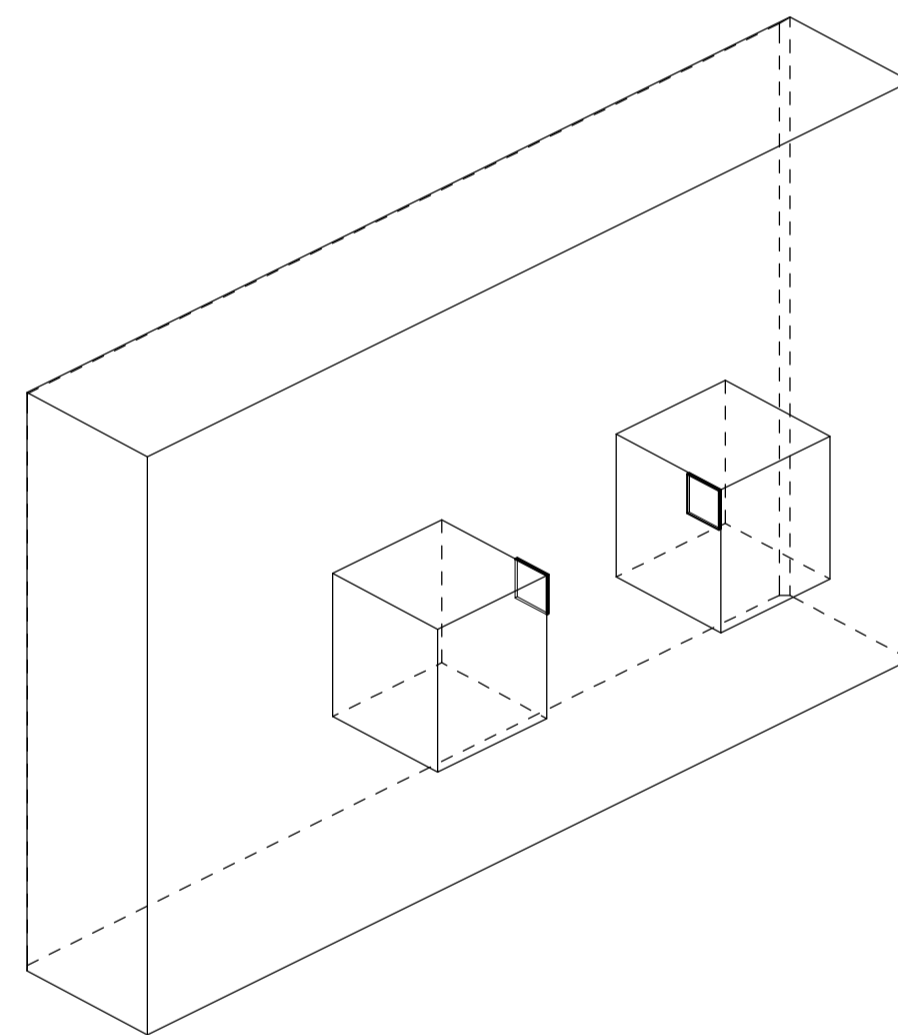
SECTION 1-1  
SCALE 1 : 25

SECTION 2-2  
SCALE 1 : 25



SECTION 3-3  
SCALE 1 : 25

NOTE: REINFORCEMENT NOT SHOWN.



PERSPECTIVE

NOTES:

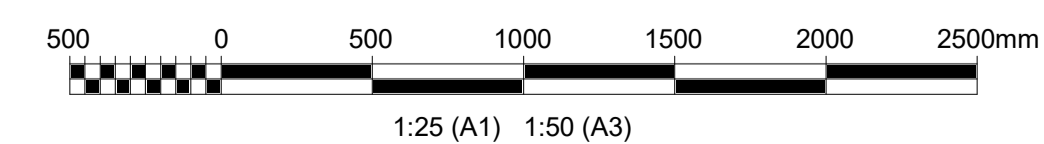
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
3. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
4. OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.
5. MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
6. LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
7. CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
8. STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
9. UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: BI1884-RHD-06-CT-DR-C-2021
10. ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

REFERENCE DRAWINGS:

1. BI1884-RHD-06-CT-DR-C-2121 to 2122
2. BI1884-RHD-06-CT-DR-C-2261

LEGEND:

- ⊙ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN



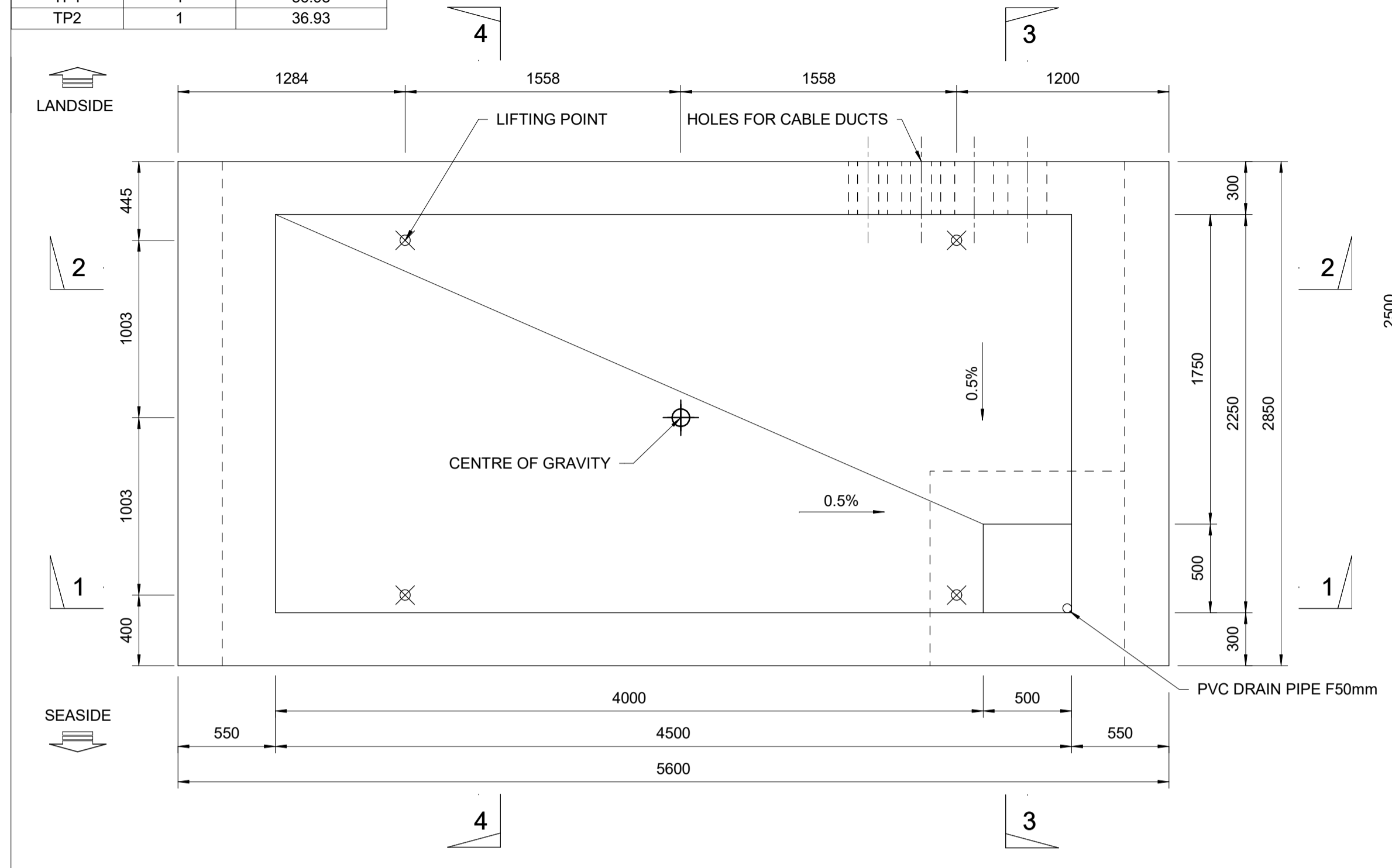
| Rev. | Description/Përshkrim | Drawn/<br>Te vizatuar | Checked/<br>Kontrolluar | Approved/<br>Miratuar | Date/Date  |
|------|-----------------------|-----------------------|-------------------------|-----------------------|------------|
| P02  | FINAL SUBMISSION      | AM                    | PV                      | AM                    | 29-08-2023 |
| P01  | FOR REVIEW            | AM                    | PV                      | AM                    | 01-08-2023 |

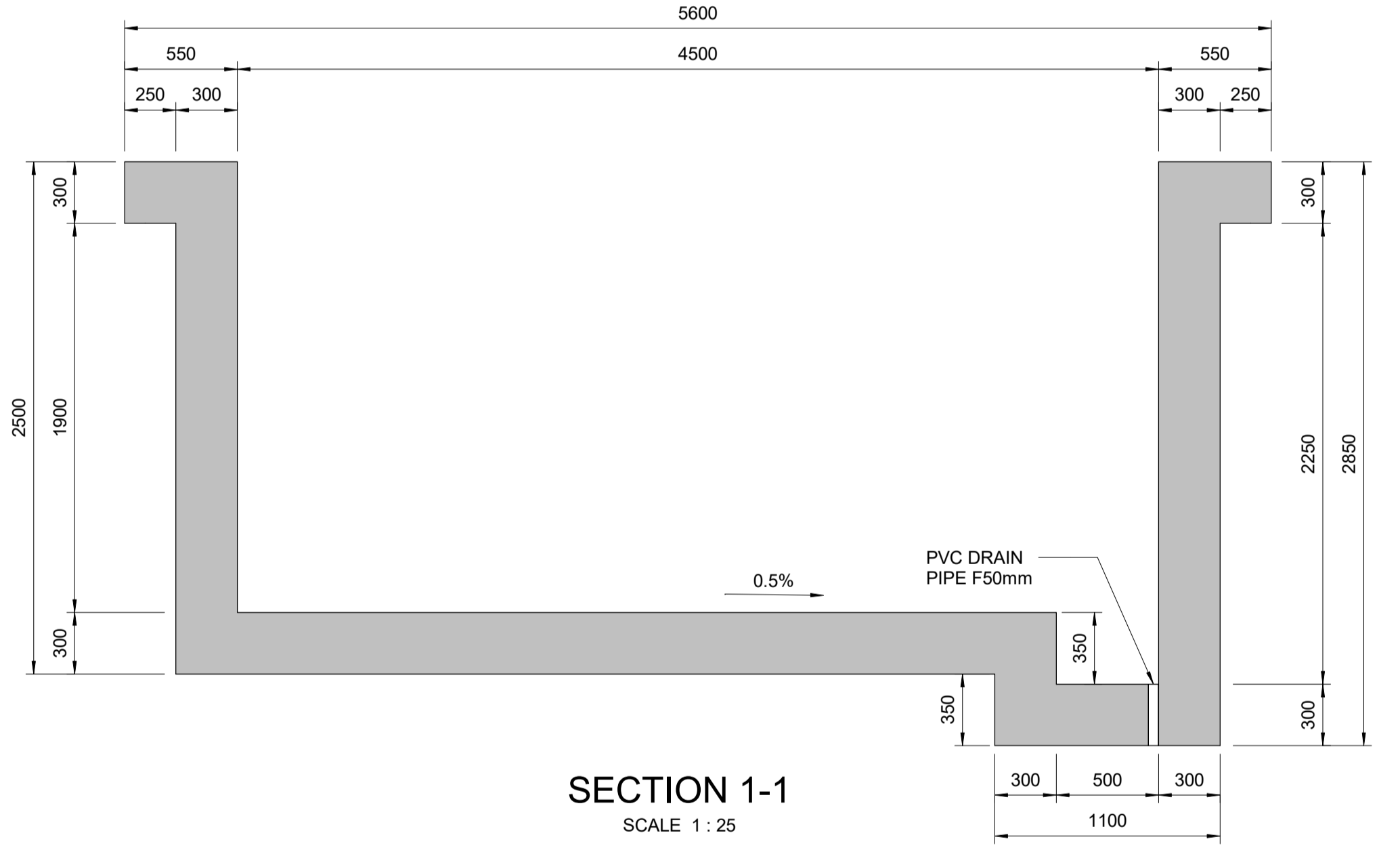
|                                                                                                                |                                                        |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
|                                                                                                                |                                                        |
| Client/Porositësi:<br><b>DURRËS PORT AUTHORITY</b> / Autoriteti Portual Durrës<br>AUTORITETI PORTUAL DURRËS    | Design Object/Objekt projektimi:<br>Container Terminal |
| Project/Projekti:<br>Integrated Port of Durrës in Porto Romano<br>Porti i integruar i Durrësit në Porto Romano | Discipline/Disiplina:<br>Offshore - Civil              |
| Title/Titulli:<br>Phase 1<br>Precast Fender Block FD1<br>General Details                                       | Revision/Rahkimi:<br>P02                               |
| Size/Fleta:<br>A1                                                                                              | Scale/Shkalla:<br>As indicated                         |
| Phase/Faza:<br>Detailed Design                                                                                 | Sheet no./<br>Nr. i fletës:<br>1                       |
| Drawing Number/Numri i vizatimit:<br>BI1884-RHD-06-CT-DR-C-2191                                                | of nga:<br>1                                           |

| PRECAST TURNOVER PIT |                |                    |
|----------------------|----------------|--------------------|
| UNIT                 | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| TP1                  | 1              | 36.93              |
| TP2                  | 1              | 36.93              |

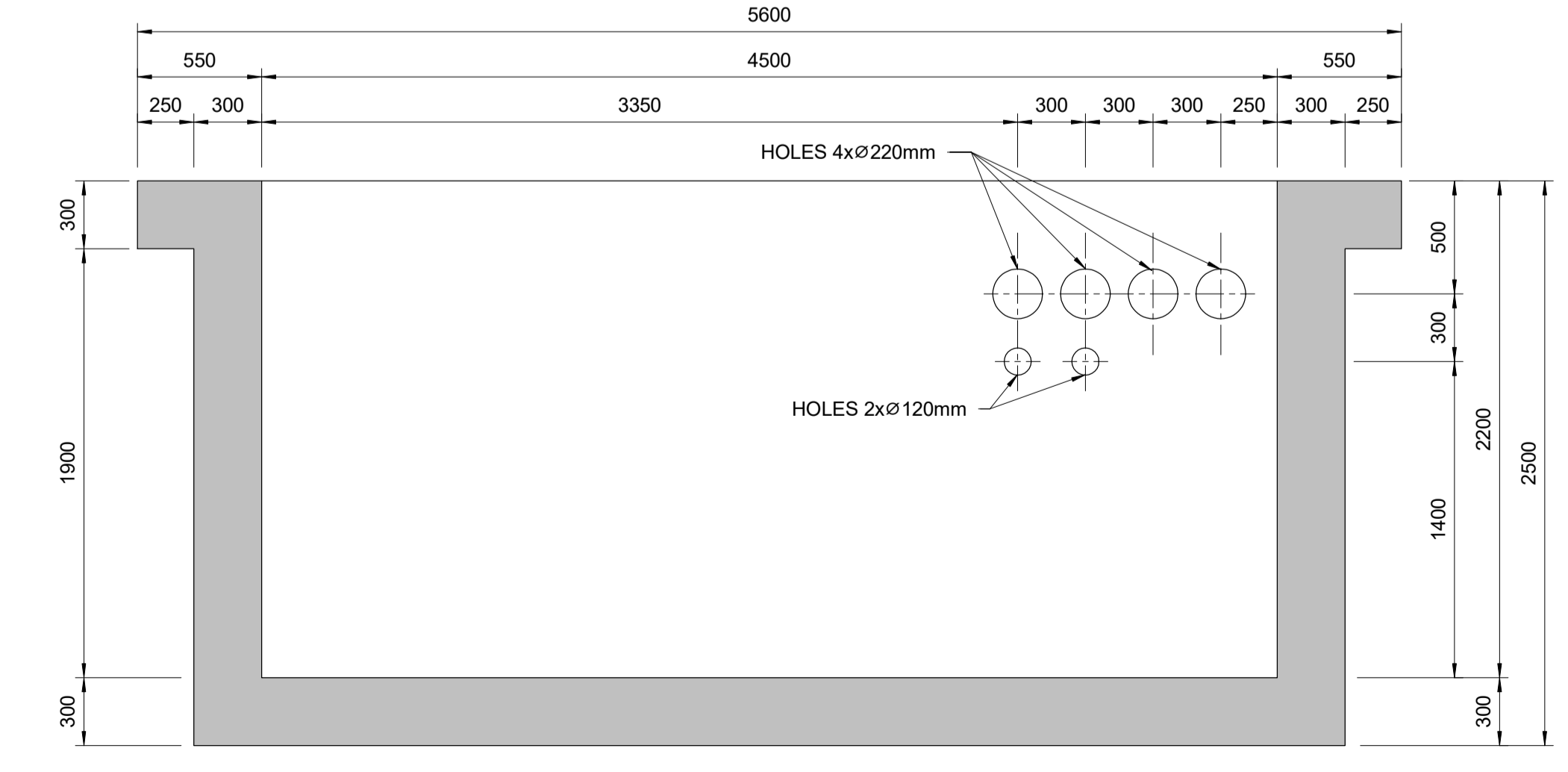
PRECAST TURNOVER PIT TP1 IS SIMILAR TO TP2 AS SHOWN BELOW WITH MIRRORED LOCATION OF HOLES FOR CABLE DUCTS AND SUMP PIT.



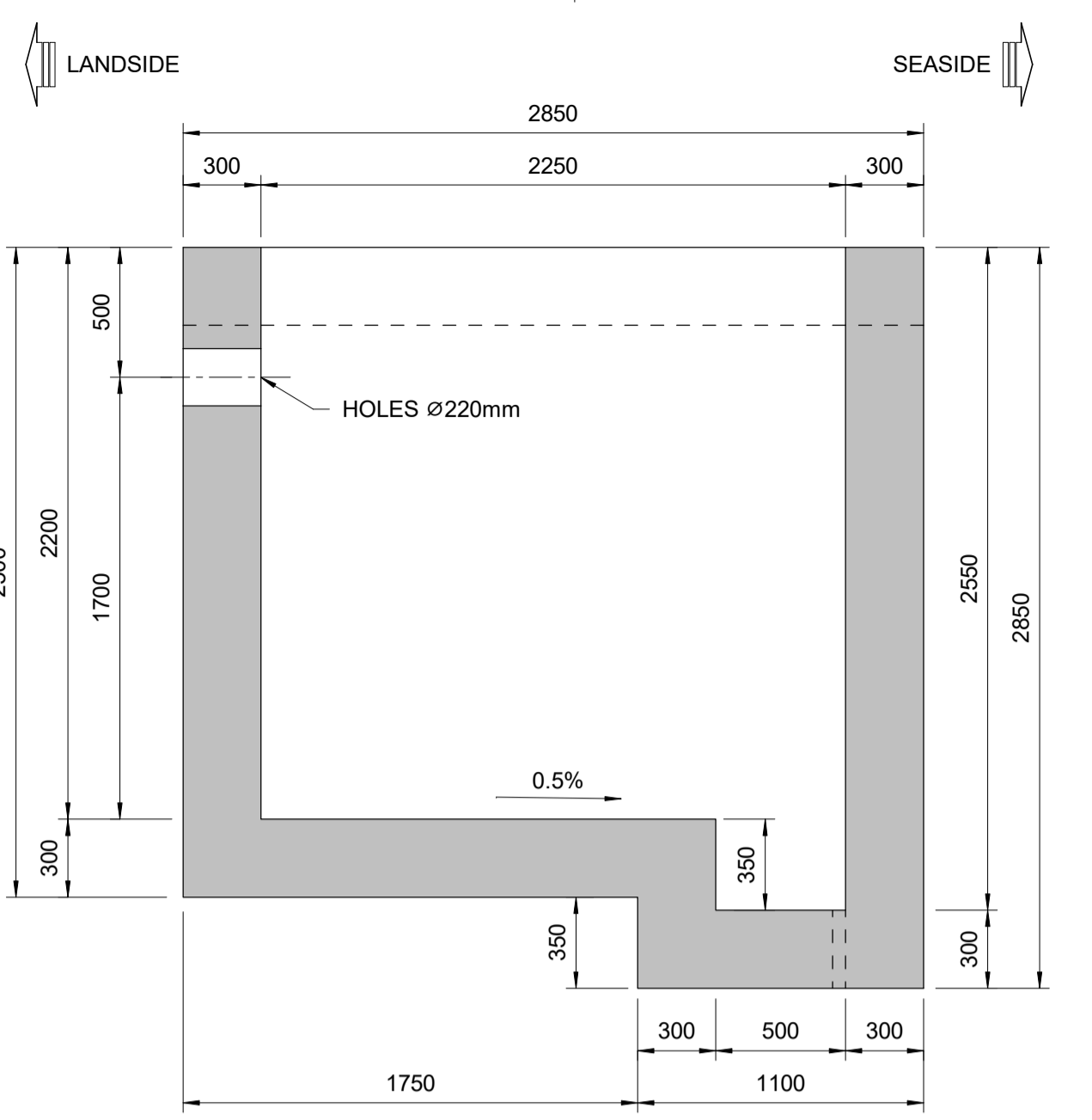
PRECAST TOURNOVER PIT TP2 - PLAN VIEW  
SCALE 1 : 25



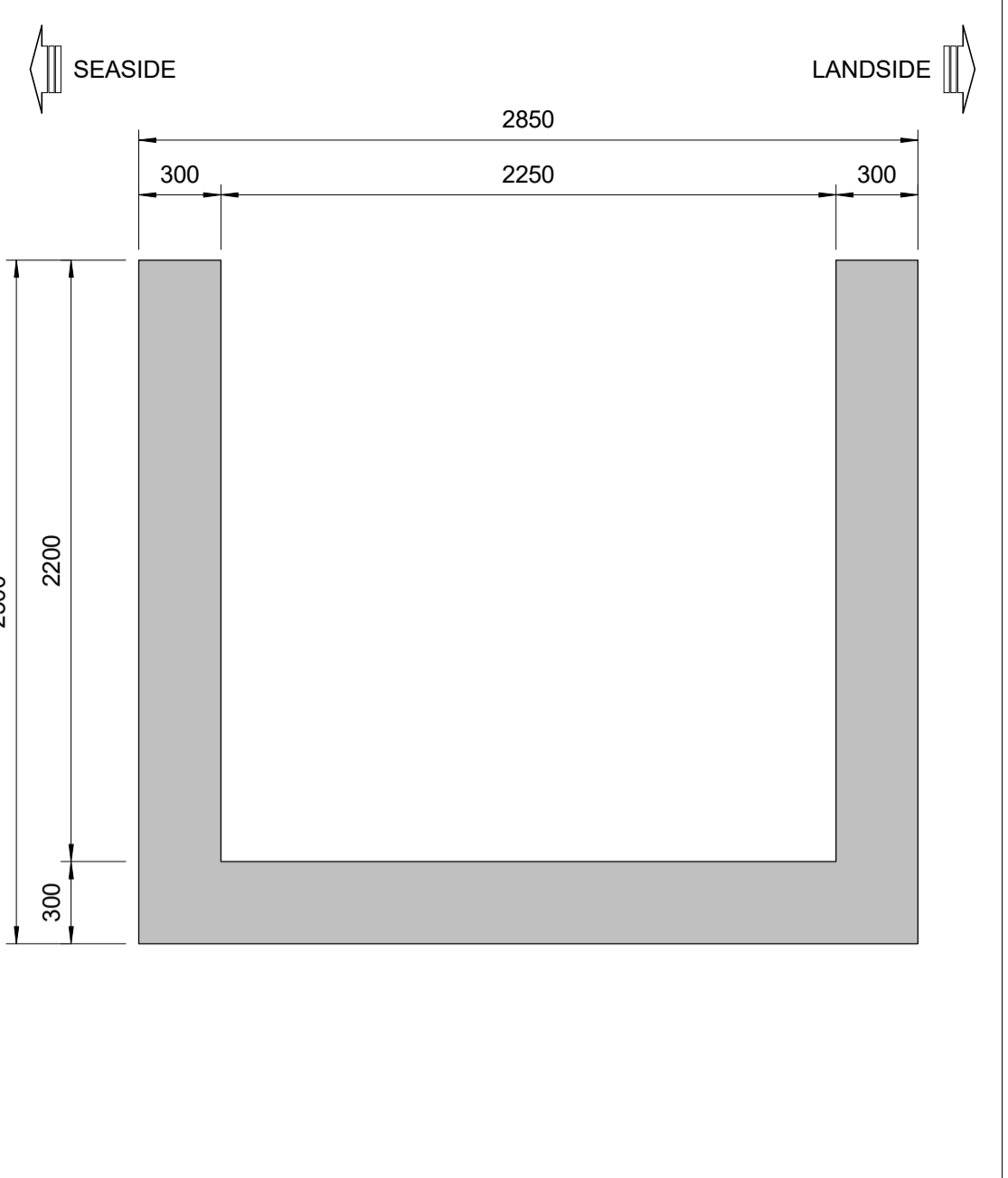
SECTION 1-1  
SCALE 1 : 25



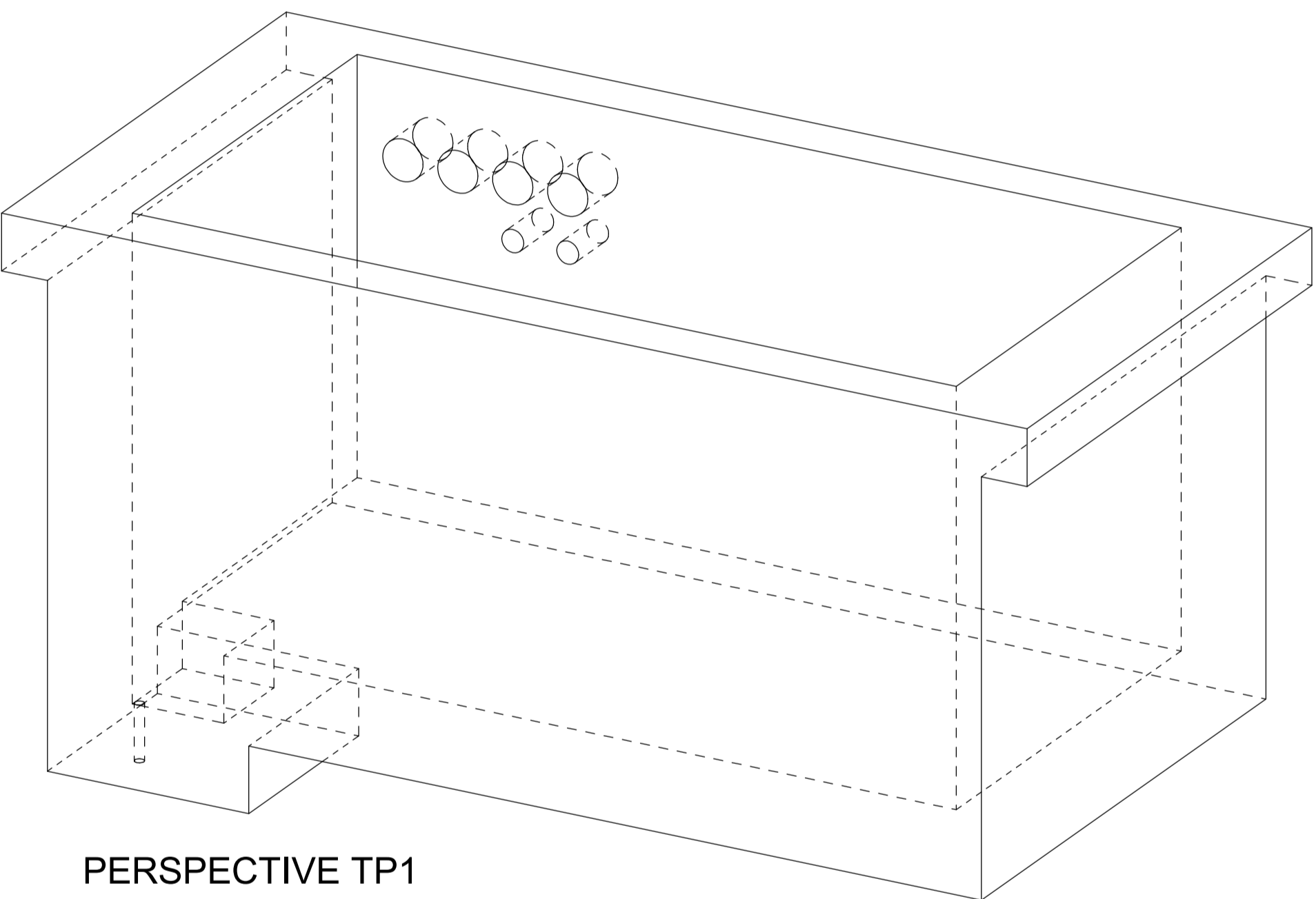
SECTION 2-2  
SCALE 1 : 25



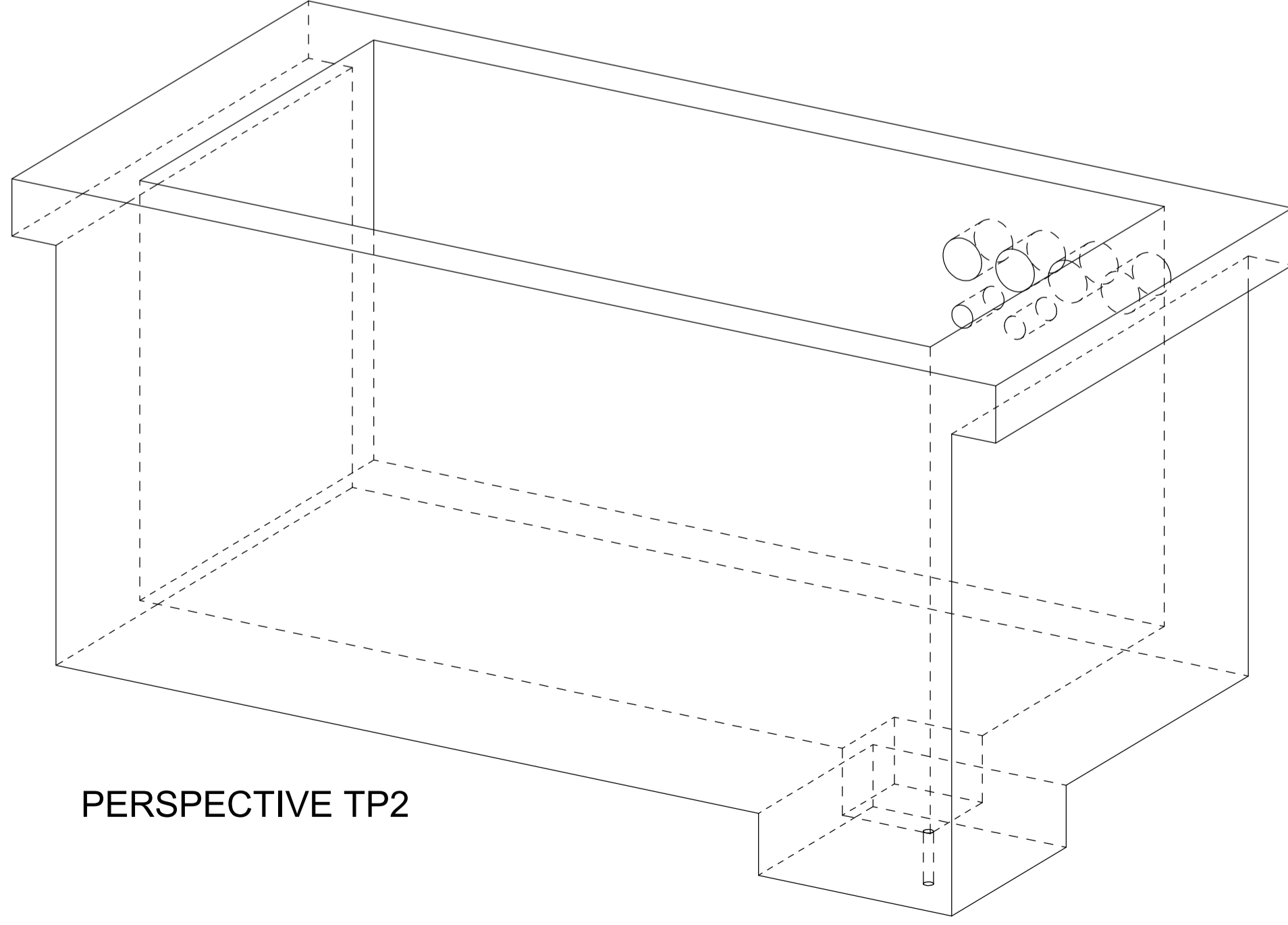
SECTION 3-3  
SCALE 1 : 25



SECTION 4-4  
SCALE 1 : 25

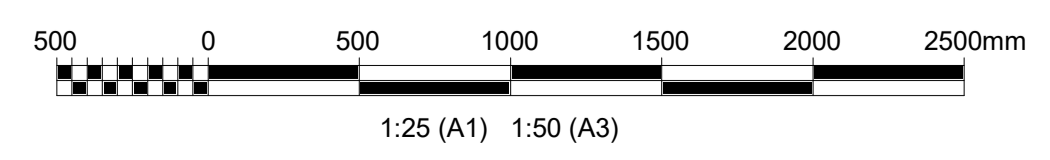


PERSPECTIVE TP1



PERSPECTIVE TP2

NOTE: REINFORCEMENT NOT SHOWN.



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  2. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
  3. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
  4. OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION B11884-RHD-02-QW-SP-CM-2003.
  5. MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
  6. LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
  7. CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
  8. STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
  9. UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: B11884-RHD-06-CT-DR-C-2021
  10. ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.
  11. THE SIZE, POSITION, AND QUANTITY OF THE DUCT HOLES SHALL BE REVIEWED AND UPDATED ACCORDING TO THE ACTUAL STS CRANE REQUIREMENTS.

**REFERENCE DRAWINGS:**

1. B11884-RHD-06-CT-DR-C-2131 to 2132
2. B11884-RHD-06-CT-DR-C-2262

**LEGEND:**

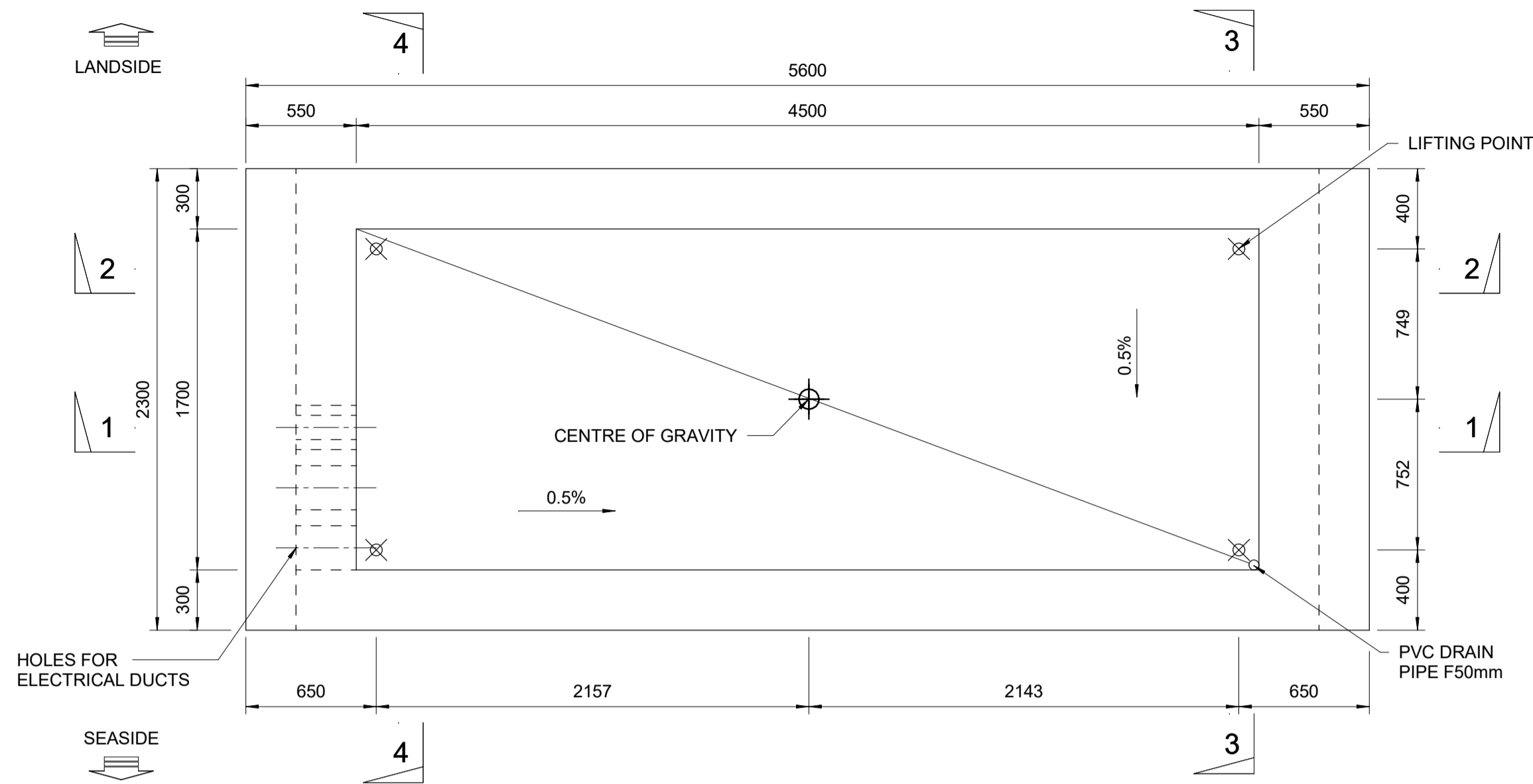
- ⊕ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN

|                                                                                                                      |                       |                                      |                         |                                                                       |           |                    |            |
|----------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------|-------------------------|-----------------------------------------------------------------------|-----------|--------------------|------------|
| Rev.                                                                                                                 | NO.                   | DESCRIPTION                          | DATE                    | GP                                                                    | PV        | AM                 | 25-08-2023 |
| P01                                                                                                                  | FOR REVIEW            |                                      |                         | HD                                                                    | PV        | AM                 | 01-08-2023 |
| Rev.                                                                                                                 | Description/Përshkrim | Drawn/<br>Te vizatuar                | Checked/<br>Kontrolluar | Approved/<br>Miratuar                                                 | Date/Date |                    |            |
|                                                                                                                      |                       |                                      |                         |                                                                       |           |                    |            |
| <b>Client/Porositësi</b><br>DURRËS PORT AUTHORITY / Autoriteti Portual Durrës<br>AUTORITETI PORTUAL DURRËS           |                       |                                      |                         | <b>Design Object/Objekt projektimi</b><br>Container Terminal          |           |                    |            |
| <b>Project/Projekti</b><br>Integrated Port of Durrës in Porto Romano<br>Porti i integruar i Durrësit në Porto Romano |                       |                                      |                         | <b>Discipline/Disiplina</b><br>Offshore - Civil                       |           |                    |            |
| <b>Title/Titull</b><br>Phase 1<br>Precast Turnover Pits TP1 and TP2<br>General Details                               |                       |                                      |                         |                                                                       |           |                    |            |
| <b>Scale/Shkallë</b><br>As indicated                                                                                 |                       | <b>Phase/Faza</b><br>Detailed Design |                         | <b>Sheetno./ N° i fletës</b><br>1                                     |           | <b>of nga</b><br>1 |            |
| <b>Revision/Rishkrim</b><br>P02                                                                                      |                       |                                      |                         | <b>Drawing Number/Numri i vizatimit</b><br>B11884-RHD-06-CT-DR-C-2192 |           |                    |            |

PRECAST SHORE POWER PROVISION PIT

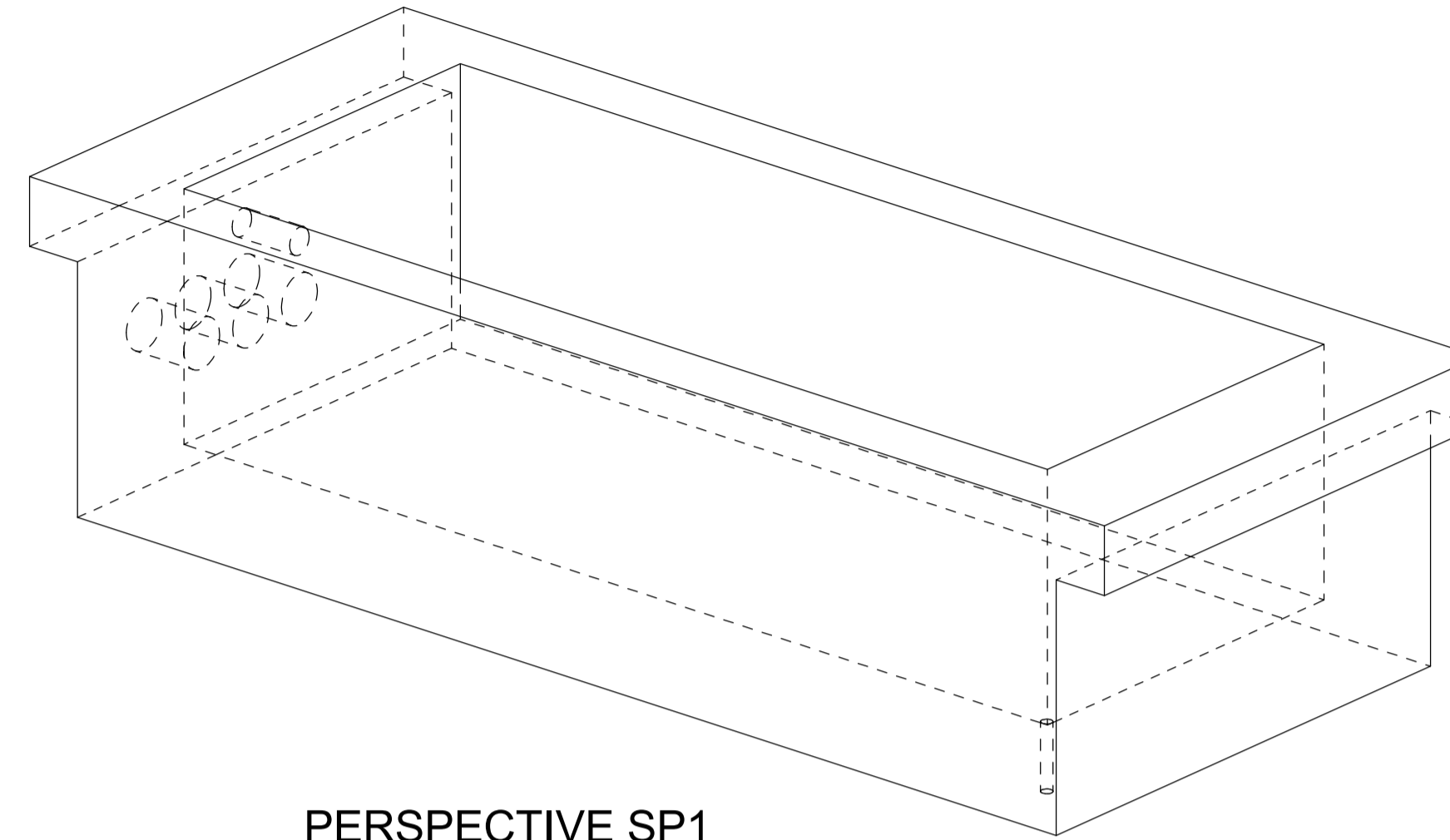
| UNIT | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
|------|----------------|--------------------|
| SP1  | 9              | 20.78              |
| SP2  | 3              | 20.78              |
| SPC1 | 12             | 7.20               |

PRECAST SHORE POWER PROVISION PIT SP2 IS SIMILAR TO SP1 AS SHOWN BELOW WITH MIRRORED LOCATION OF HOLES FOR CABLE DUCTS AND DRAIN PIPE.

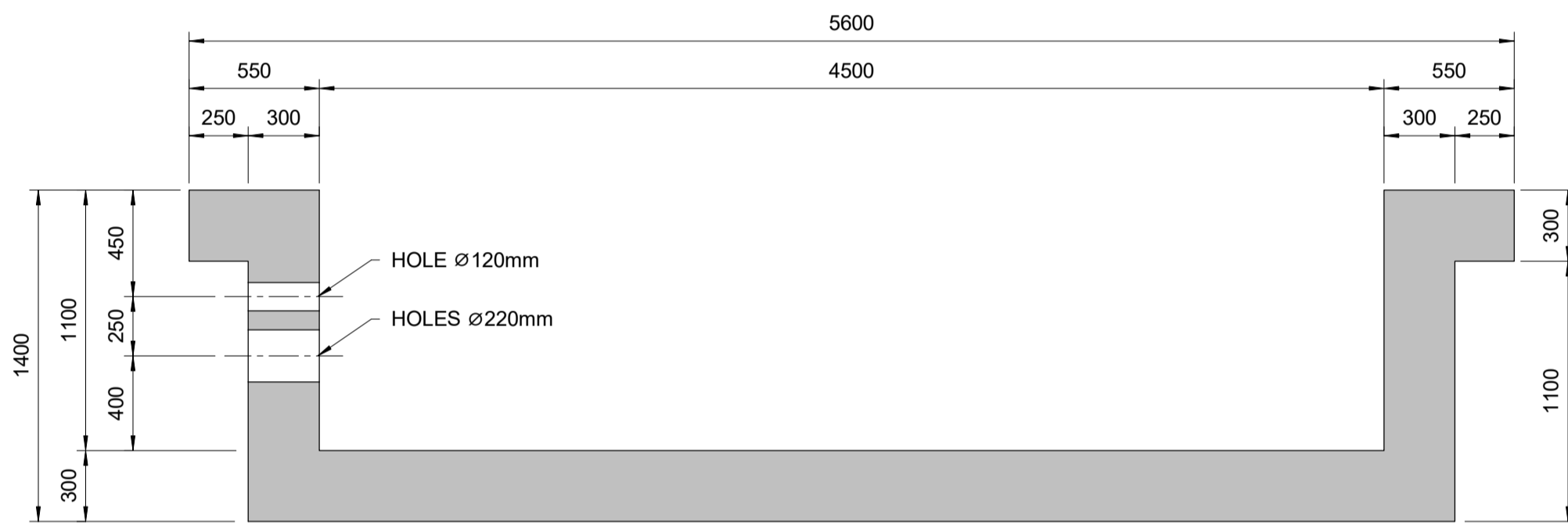


PRECAST SHORE POWER PROVISION PIT SP1 - PLAN VIEW

SCALE 1 : 25

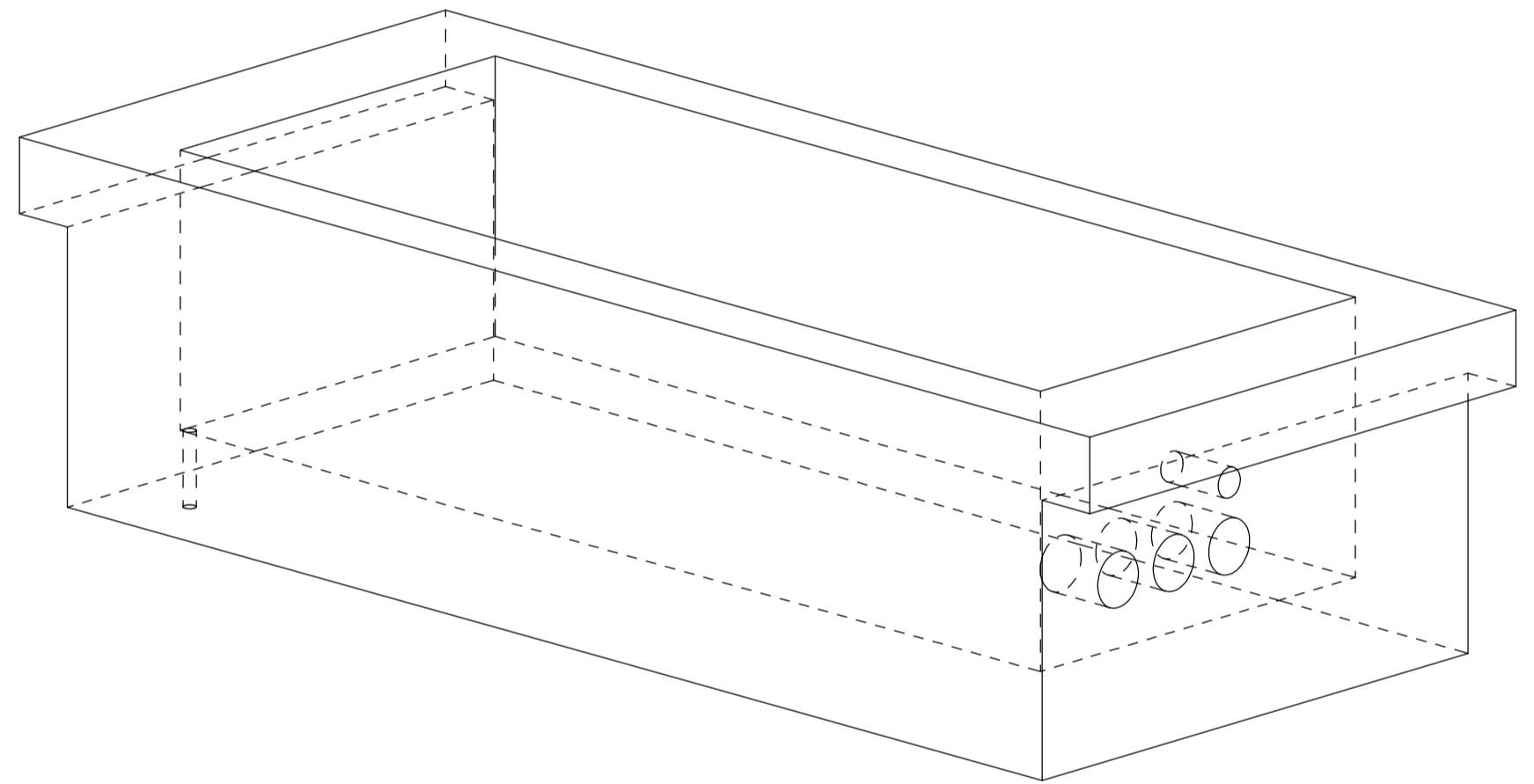


PERSPECTIVE SP1



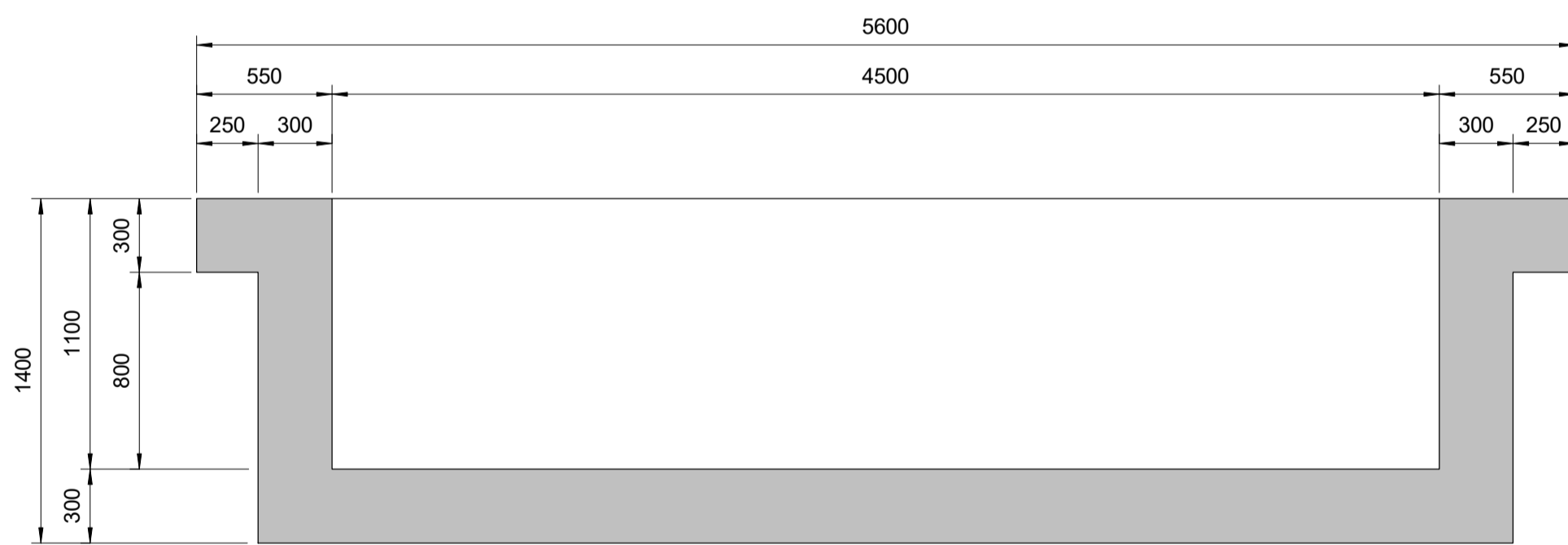
SECTION 1-1

SCALE 1 : 25



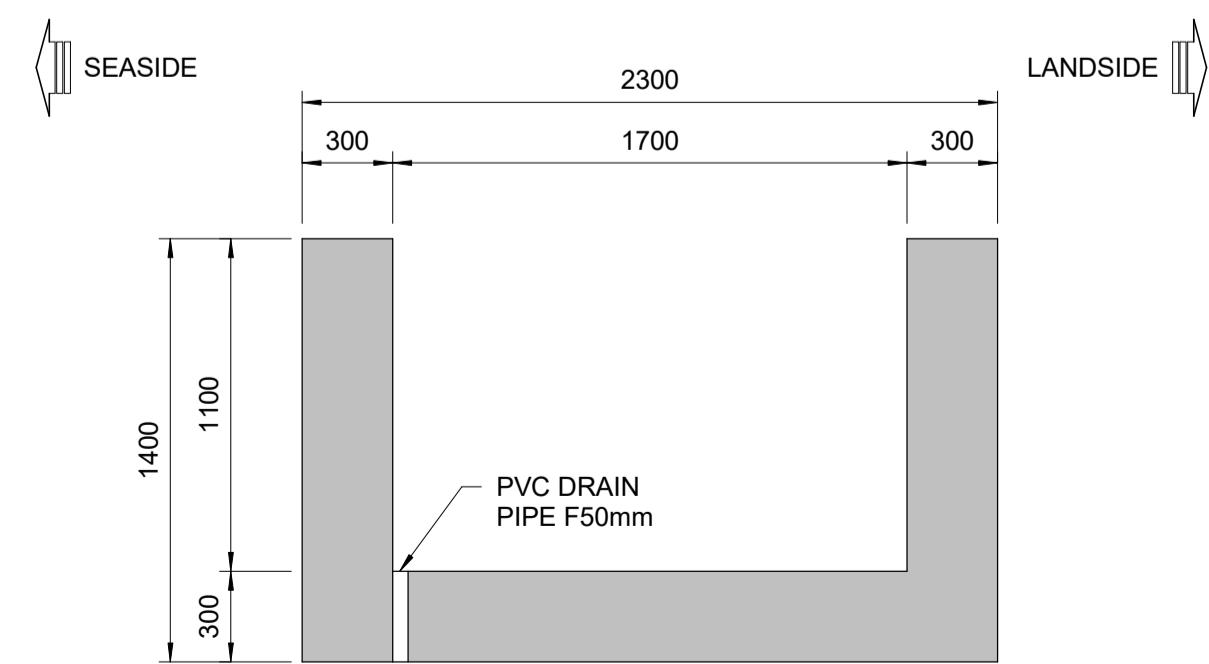
PERSPECTIVE SP2

NOTE: REINFORCEMENT NOT SHOWN.



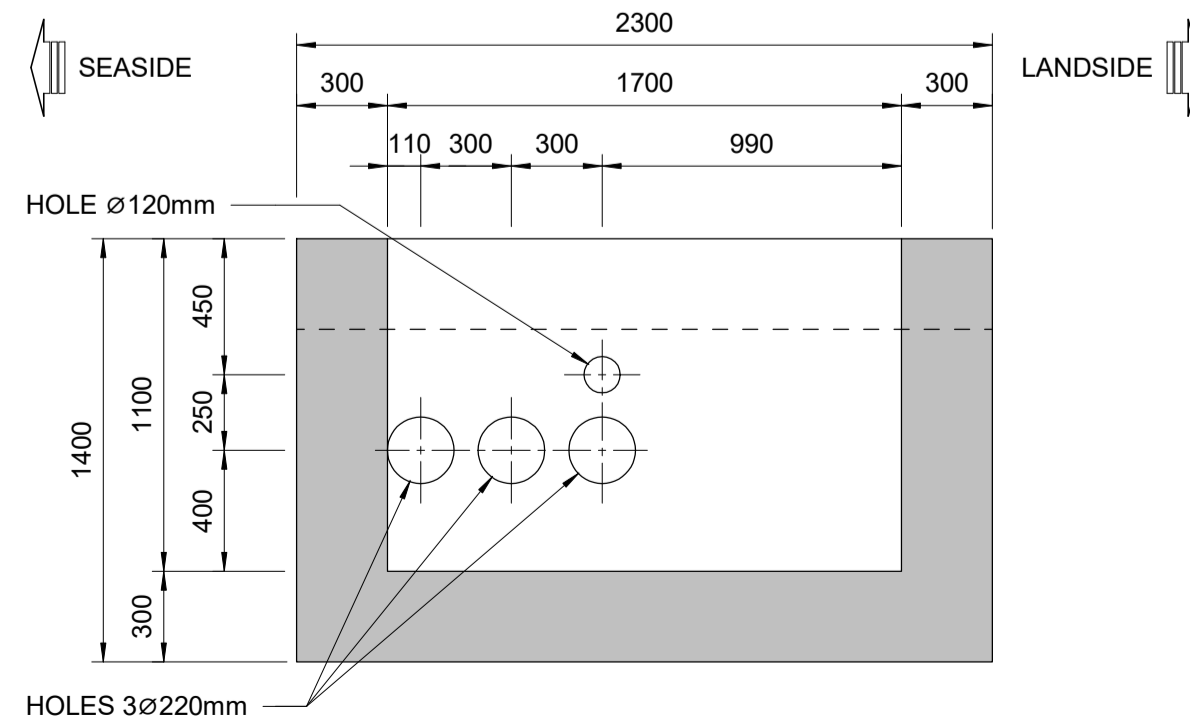
SECTION 2-2

SCALE 1 : 25



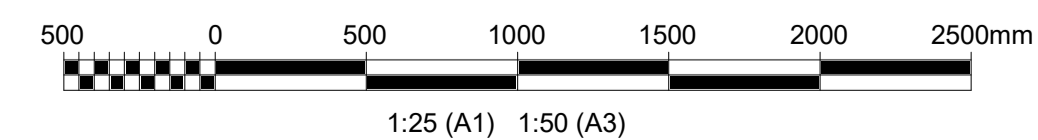
SECTION 3-3

SCALE 1 : 25



SECTION 4-4

SCALE 1 : 25



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
- ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
- OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION B11884-RHD-02-QW-SP-CM-2003.
- MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
- LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
- CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
- STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
- UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: B11884-RHD-06-CT-DR-C-2021
- ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.
- THE SIZE, POSITION, AND QUANTITY OF THE DUCT HOLES SHALL BE REVIEWED AND UPDATED ACCORDING TO THE ACTUAL STS CRANE REQUIREMENTS.

REFERENCE DRAWINGS:

- B11884-RHD-06-CT-DR-C-2131 to 2132
- B11884-RHD-06-CT-DR-C-2263

LEGEND:

- ⊕ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN

| Rev. | Description/Përshkrim       | GP                    | PV                      | AM                    | Date/Date                |
|------|-----------------------------|-----------------------|-------------------------|-----------------------|--------------------------|
| P01  | FINAL SUBMISSION FOR REVIEW | HD                    | PV                      | AM                    | 29-08-2023<br>01-08-2023 |
|      |                             | Drawn/<br>Te vizatuar | Checked/<br>Kontrolluar | Approved/<br>Miratuar |                          |



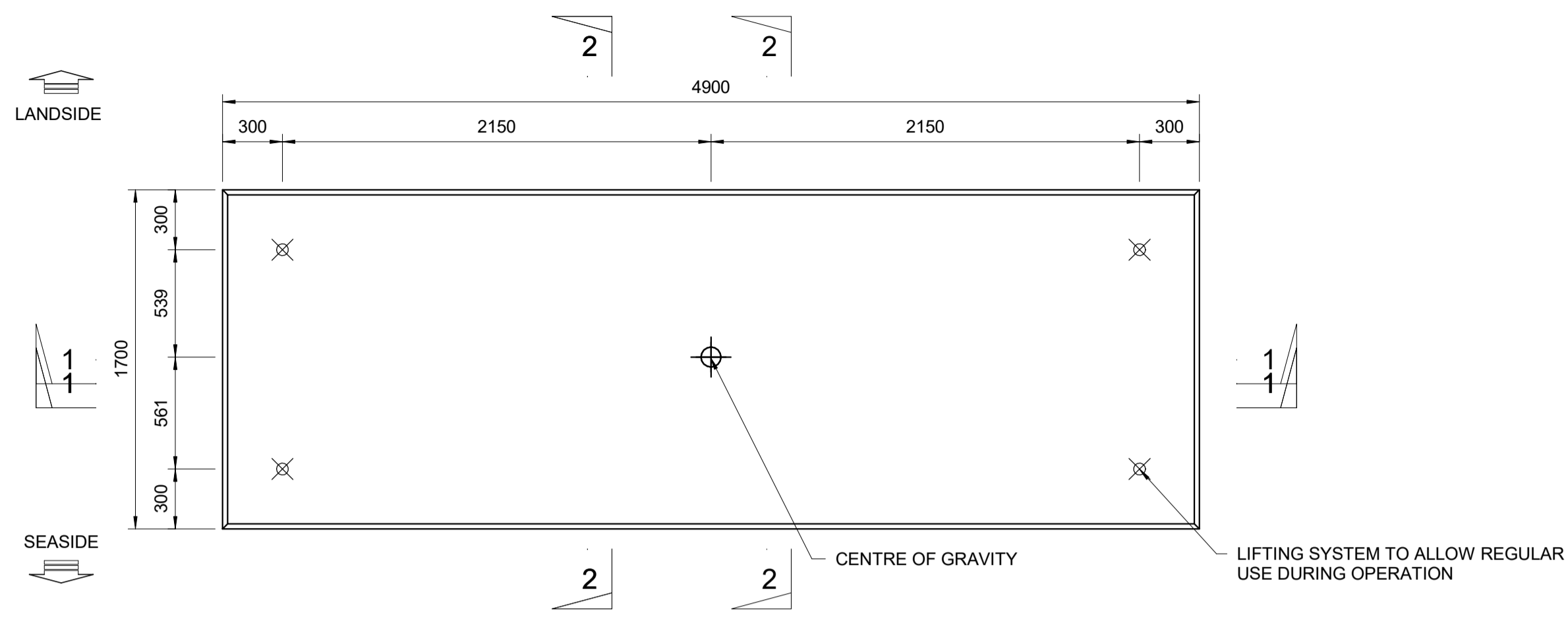
Client/Porositësi: Durrës Port Authority / Autoriteti Portual Durrës  
 Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano  
 Discipline/Disiplina: Offshore - Civil

Phase 1  
 Precast Shore Power Provision Pits SP1, SP2  
 General Details

Revision/Rahkrim: P02

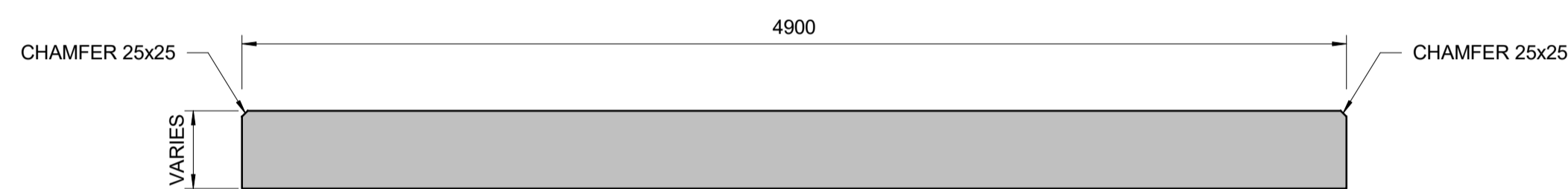
|                             |                             |                          |           |                                                              |
|-----------------------------|-----------------------------|--------------------------|-----------|--------------------------------------------------------------|
| Scale/Shkalla: As indicated | Phase/Faza: Detailed Design | Sheetno./Nr. i fletës: 1 | of nga: 1 | Drawing Number/Numri i vizatimit: B11884-RHD-06-CT-DR-C-2193 |
|-----------------------------|-----------------------------|--------------------------|-----------|--------------------------------------------------------------|

| PRECAST COVER |                |                    |
|---------------|----------------|--------------------|
| UNIT          | QUANTITY (Nos) | WEIGHT OF UNIT (t) |
| SPC1          | 12             | 7.20               |



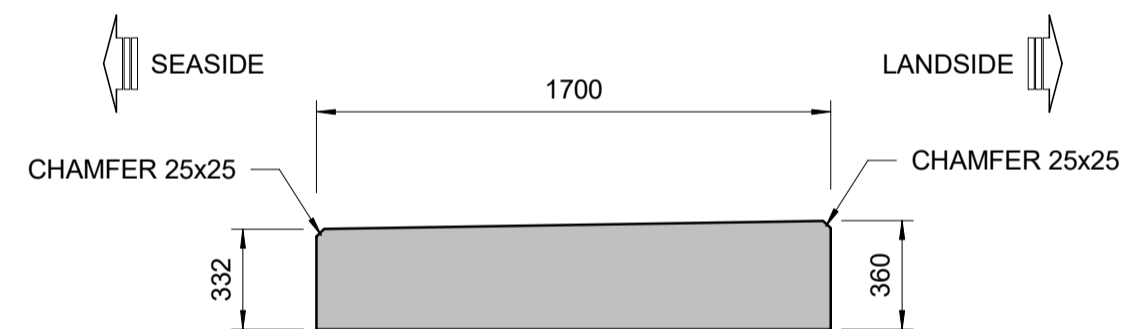
**PLAN**

SCALE 1 : 25



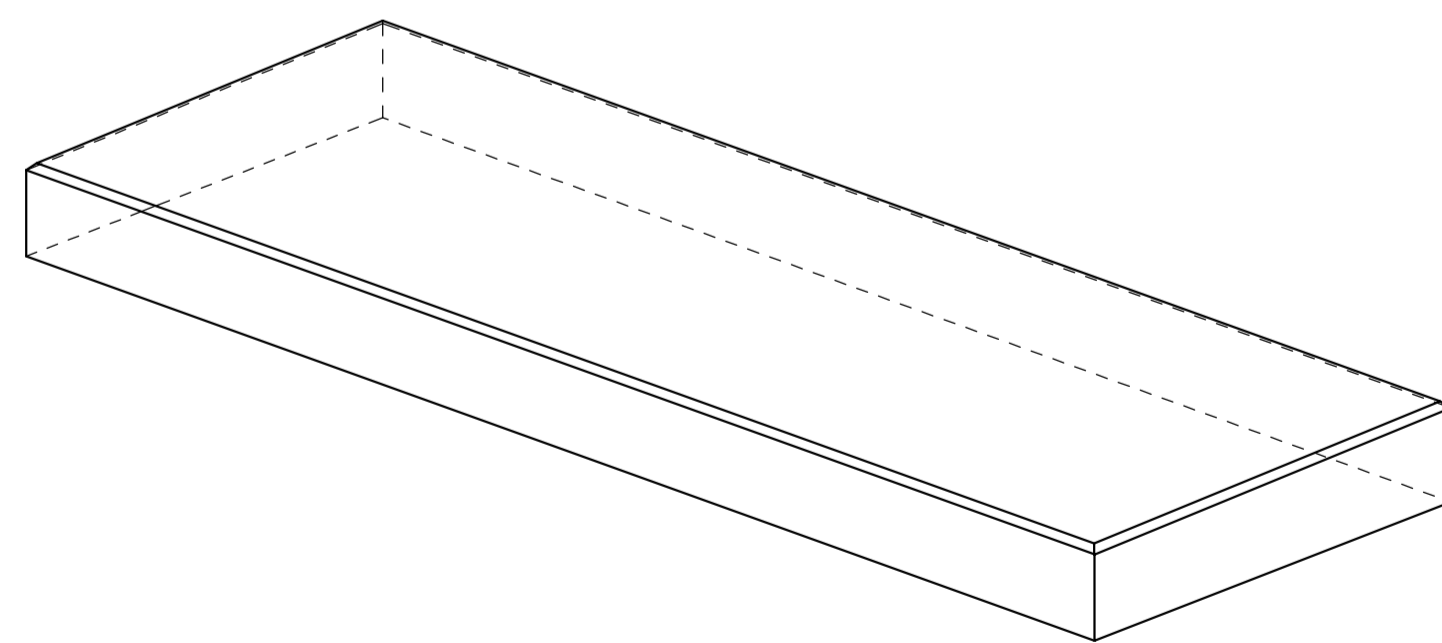
**SECTION 1-1**

SCALE 1 : 25



**SECTION 2-2**

SCALE 1 : 25



**PERSPECTIVE**

NOTE: REINFORCEMENT NOT SHOWN.

**NOTES:**

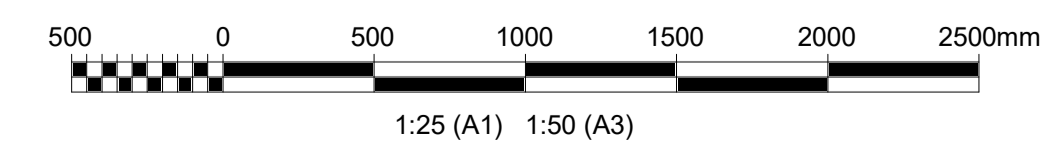
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. CONCRETE GRADE TO BE C35/45 UNLESS NOTED OTHERWISE.
3. ALL EXPOSED CORNERS SHALL HAVE 25x25 mm CHAMFER UNLESS NOTED OTHERWISE.
4. OVERALL DIMENSIONS OF ALL PRECAST UNITS ARE CRITICAL TO BUILDABILITY. TOLERANCE IN OVERALL DIMENSIONS SHALL BE IN ACCORDING TO THE CONCRETE WORKS SPECIFICATION B11884-RHD-02-QW-SP-CM-2003.
5. MINIMUM 25N/mm<sup>2</sup> (CYLINDER) STRENGTH IS REQUIRED FOR LIFTING THE UNIT.
6. LIFTING POINT DESIGN & TYPE SHALL BE DESIGNED BY THE CONTRACTOR.
7. CONTRACTOR TO ENSURE SAFE LIFTING AND PLACEMENT OF PRECAST UNITS.
8. STACKING OF UNITS AND TRANSPORTATION DESIGN CHECKS TO BE CARRIED OUT BY THE CONTRACTOR.
9. UNIT SHALL BE LOADED AND INSTALLED ACCORDING TO CONSTRUCTION SEQUENCE DRAWING: B11884-RHD-06-CT-DR-C-2021
10. ALL PRECAST UNITS SHALL BE MARKED CLEARLY ACCORDING TO THEIR LOCATION AT SITE IN THE PRECAST YARD.

**REFERENCE DRAWINGS:**

1. B11884-RHD-06-CT-DR-C-2131 to 2132
2. B11884-RHD-06-CT-DR-C-2264

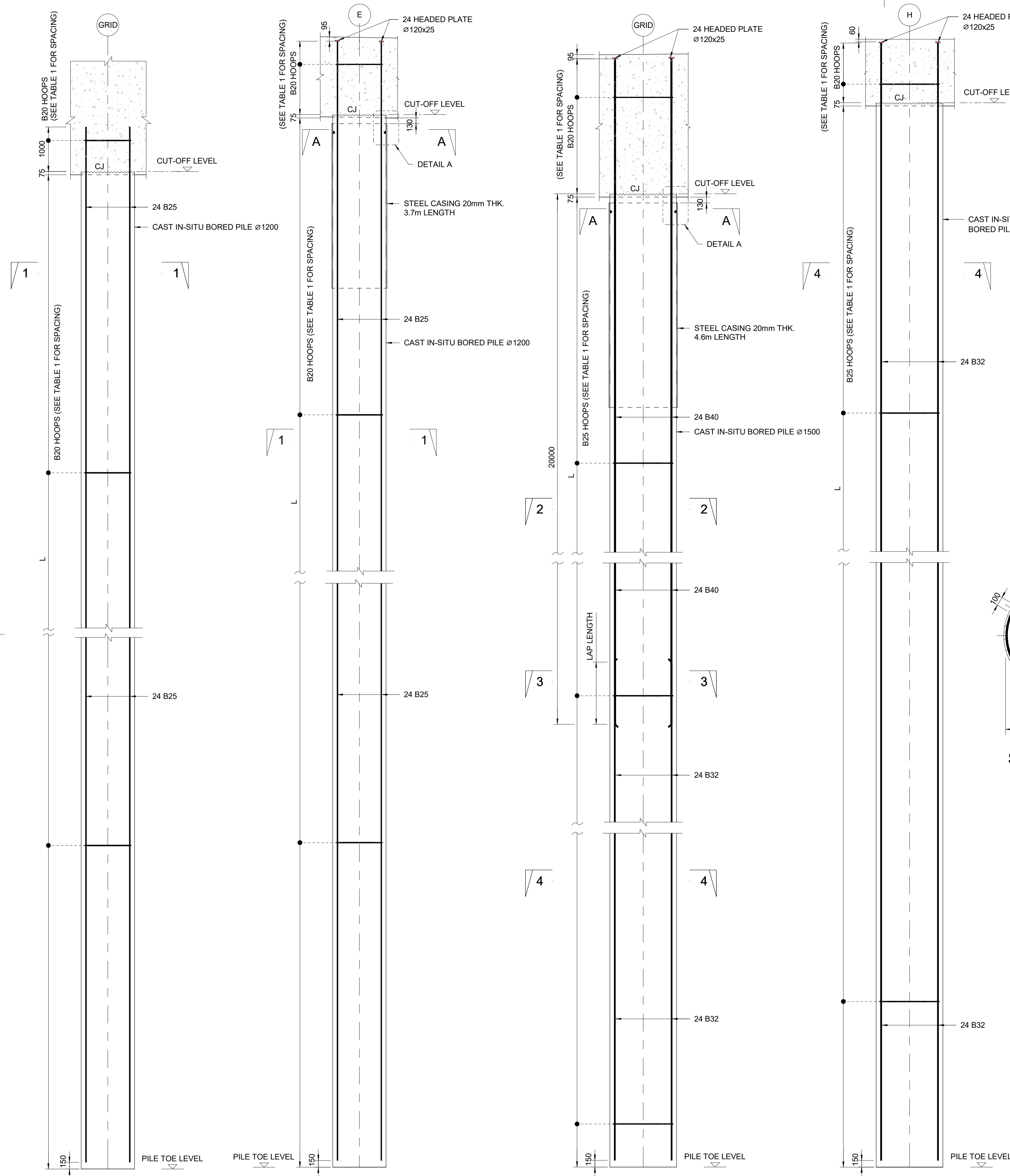
**LEGEND:**

- ⊙ COG: CENTER OF GRAVITY
- ⊗ LOCATION OF LIFTING POINT ASSUMED IN DESIGN



|                                                                                                                     |     |                                      |      |                                                              |                      |                                                                       |            |
|---------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------|------|--------------------------------------------------------------|----------------------|-----------------------------------------------------------------------|------------|
| Rev.                                                                                                                | NO. | DESCRIPTION                          | DATE | GP                                                           | PV                   | AM                                                                    | DATE       |
|                                                                                                                     | P01 | FINAL SUBMISSION FOR REVIEW          |      | HD                                                           | PV                   | AM                                                                    | 25-08-2023 |
|                                                                                                                     |     |                                      |      | Drawn/ Te vizatuar                                           | Checked/ Kontrolluar | Approved/ Miratuar                                                    | Date/Date  |
|                                                                                                                     |     |                                      |      |                                                              |                      |                                                                       |            |
| <b>Client/Paruesit</b><br>DURRËS PORT AUTHORITY / Autoriteti Portual Durrës                                         |     |                                      |      | <b>Design Object/Objekt projektimi</b><br>Container Terminal |                      |                                                                       |            |
| <b>Project/Projekti</b><br>Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano |     |                                      |      | <b>Discipline/Disiplina</b><br>Offshore - Civil              |                      |                                                                       |            |
| <b>Title/Titull</b><br>Phase 1<br>Precast Concrete Cover SPC1<br>General Details                                    |     |                                      |      | <b>Revision/Rahkimi</b><br>P02                               |                      |                                                                       |            |
| <b>Scale/Shkalla</b><br>As indicated                                                                                |     | <b>Phase/Faza</b><br>Detailed Design |      | <b>Sheetno./ Nr. i fletës</b><br>1 of nga 1                  |                      | <b>Drawing Number/Numri i vizatimit</b><br>B11884-RHD-06-CT-DR-C-2194 |            |



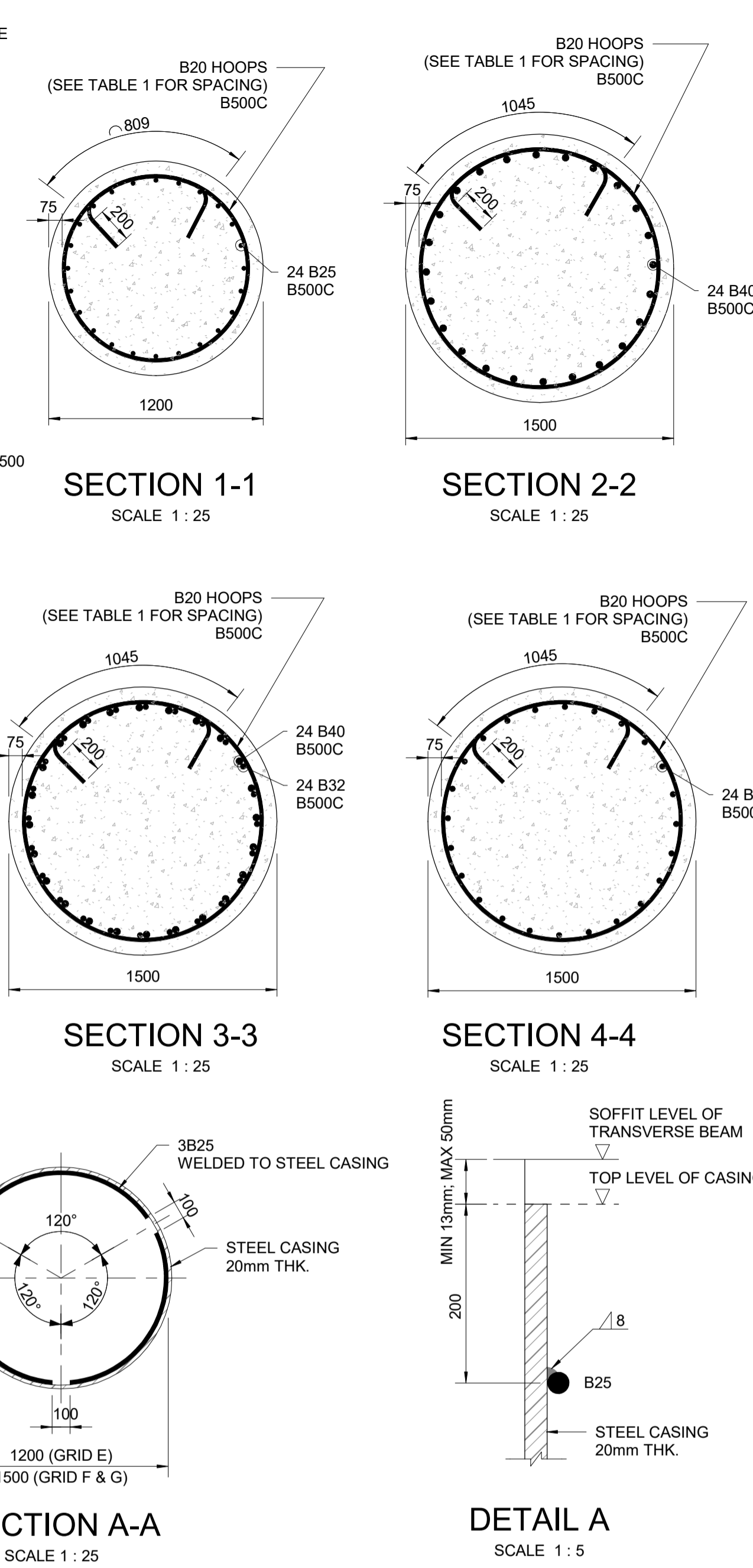


GRIDS A, B, C & D  
SCALE 1 : 50

GRID E  
SCALE 1 : 50

GRIDS F & G  
SCALE 1 : 50

GRID H  
SCALE 1 : 50



SECTION 1-1  
SCALE 1 : 25

SECTION 2-2  
SCALE 1 : 25

SECTION 3-3  
SCALE 1 : 25

SECTION 4-4  
SCALE 1 : 25

SECTION A-A  
SCALE 1 : 25

DETAIL A  
SCALE 1 : 5

HEADED BAR DETAIL  
SCALE 1 : 10

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
  - ALL LEVELS ARE IN METERS AND RELATIVE TO CHART DATUM (CD).
  - ALL CONCRETE SHALL BE GRADE C35/45 UNLESS NOTED OTHERWISE.
  - ALL STEEL REINFORCEMENT IS TO BE IN ACCORDANCE WITH BS4449:2005+A3:2016. DEFINITION GRADE B 500C.
  - REINFORCEMENT HAS BEEN DETAILED AND SCHEDULED TO BS 8666:2020.
  - NOMINAL CONCRETE COVER IS 75mm UNLESS NOTED OTHERWISE.
  - UNLESS NOTED OTHERWISE, THE MINIMUM ANCHORAGE LENGTHS AND LAP LENGTHS SHALL BE AS FOLLOWS:
  - REINFORCEMENT CALL UPS FOLLOW THIS CONVENTION:

|                       |     |     |      |      |
|-----------------------|-----|-----|------|------|
| BAR SIZE (mm)         | 20  | 25  | 32   | 40   |
| ANCHORAGE LENGTH (mm) | 500 | 700 | 1000 | 1200 |
| LAP LENGTH (mm)       | 650 | 900 | 1300 | 1900 |

LAPPING SHALL NOT BE ALLOWED AT THE PILE BEAM INTERFACE.

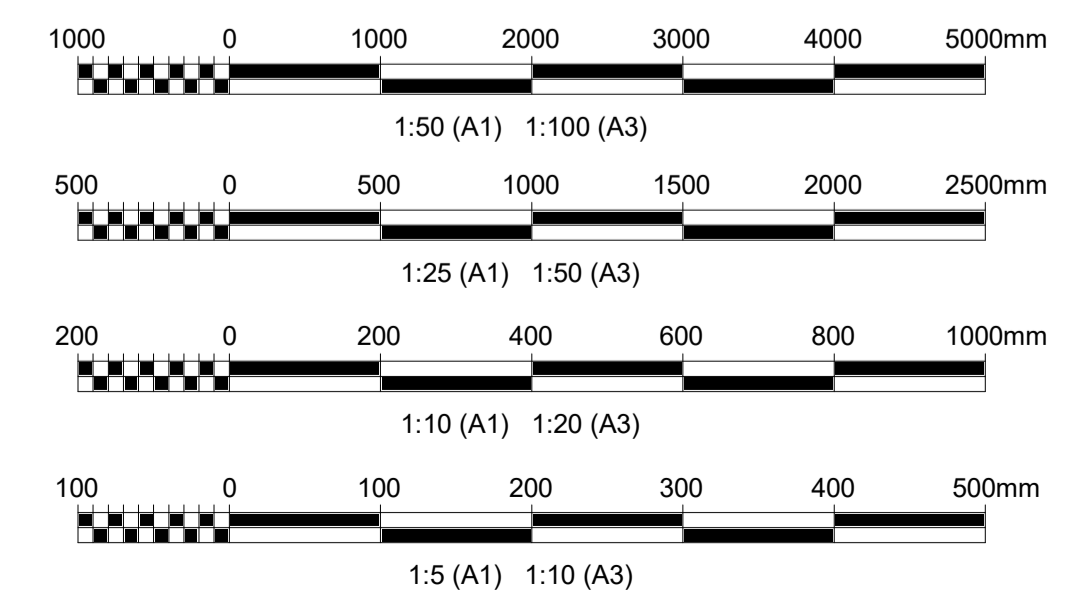
- 6 NO. BARS
- T1 - TOP OUTER LAYER
  - T2 - TOP SECOND LAYER
  - B1 - BOTTOM OUTER LAYER
  - B2 - BOTTOM SECOND LAYER
  - FF - FAR FACE
  - NF - NEAR FACE
  - STG - STAGGERED BARS
  - ABR - ALTERNATIVE BAR REVERSED

| GRIDS | CUT-OFF LEVEL (mCD) | PILE TOE LEVEL (mCD) | L (m)  | PILE QUANTITY (Nos) PHASE 1- INITIAL |
|-------|---------------------|----------------------|--------|--------------------------------------|
| A     | +0.845              | -63.0                | 63.770 | 61                                   |
| B     | +0.845              | -62.0                | 62.770 | 61                                   |
| C     | +2.191              | -61.0                | 63.116 | 61                                   |
| D     | +2.102              | -64.0                | 66.027 | 61                                   |
| E     | +2.135              | -77.0                | 79.060 | 61                                   |
| F     | +0.845              | -73.0                | 73.770 | 61                                   |
| G     | +0.845              | -75.0                | 75.770 | 61                                   |
| H     | +1.545              | -74.0                | 75.470 | 61                                   |

FOR THE PILING SCHEDULE REFER TO DRAWING BI1884-RHD-06-CT-DR-C-2002.

TABLE 1 - HOOP SPACING ARRANGEMENT

| GRID A             |             | GRID B             |             | GRID C             |             | GRID D             |             | GRID E             |             | GRID F             |             | GRID G             |             | GRID H             |             |
|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|
| TOP OF ZONE [m CD] | SHEAR REBAR | TOP OF ZONE [m CD] | SHEAR REBAR | TOP OF ZONE [m CD] | SHEAR REBAR | TOP OF ZONE [m CD] | SHEAR REBAR | TOP OF ZONE [m CD] | SHEAR REBAR | TOP OF ZONE [m CD] | SHEAR REBAR | TOP OF ZONE [m CD] | SHEAR REBAR | TOP OF ZONE [m CD] | SHEAR REBAR |
| +4.0               | B20-120     | +4.0               | B20-120     | +4.0               | B20-120     | +4.0               | B20-120     | +4.0               | B20-120     | +4.0               | B25-140     | +4.0               | B25-140     | +3.3               | B25-140     |
| -4.8               | B20-225     | -4.8               | B20-225     | -2.8               | B20-225     | -2.8               | B20-225     | -18.8              | B20-225     | -1.8               | B25-120     | -1.8               | B25-120     | -13.2              | B25-240     |
| -12.2              | B20-120     | -11.2              | B20-120     | -10.0              | B20-120     | -7.0               | B20-120     | -28.4              | B20-120     | -18.2              | B25-240     | -18.2              | B25-240     | -26.0              | B25-120     |
| -25.0              | B20-225     | -21.8              | B20-225     | -22.8              | B20-225     | -18.8              | B20-225     | -43.3              | B20-225     | -26.0              | B25-120     | -26.0              | B25-120     | -45.0              | B25-140     |
| -28.2              | B20-120     | -28.2              | B20-120     | -28.7              | B20-120     | -28.4              | B20-120     | -50.2              | B20-120     | -45.0              | B25-140     | -45.0              | B25-140     | -61.0              | B25-240     |
| -43.0              | B20-225     | -43.0              | B20-225     | -43.3              | B20-225     | -43.3              | B20-225     |                    |             | -61.0              | B25-240     | -61.0              | B25-240     |                    |             |
| -50.2              | B20-120     | -50.2              | B20-120     | -50.2              | B20-120     | -50.2              | B20-120     |                    |             |                    |             |                    |             |                    |             |
| -59.8              | B20-225     | -59.8              | B20-225     | -59.8              | B20-225     | -59.8              | B20-225     |                    |             |                    |             |                    |             |                    |             |

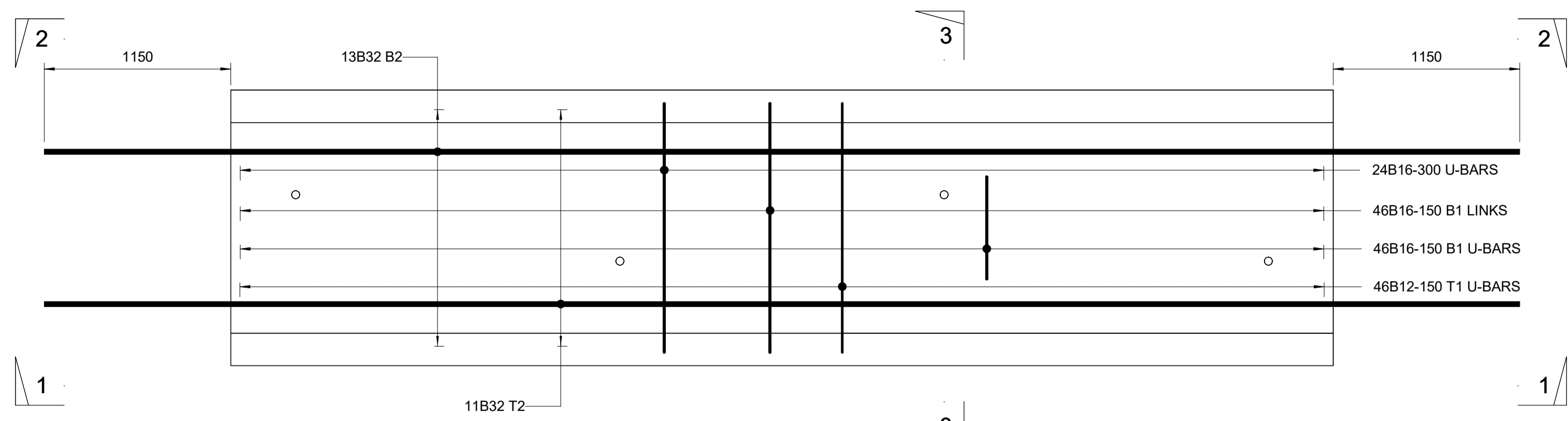


|         |                             |                    |                      |                    |            |
|---------|-----------------------------|--------------------|----------------------|--------------------|------------|
| Rev. 01 | FINAL SUBMISSION FOR REVIEW | GP                 | PV                   | AM                 | 25-09-2023 |
| Rev. 02 | FOR REVIEW                  | HD                 | PV                   | AM                 | 01-06-2023 |
| Rev. 03 | Description/Parashkrim      | Drawn/ Te vizituar | Checked/ Kontrolluar | Approved/ Miratuar | Date/Date  |

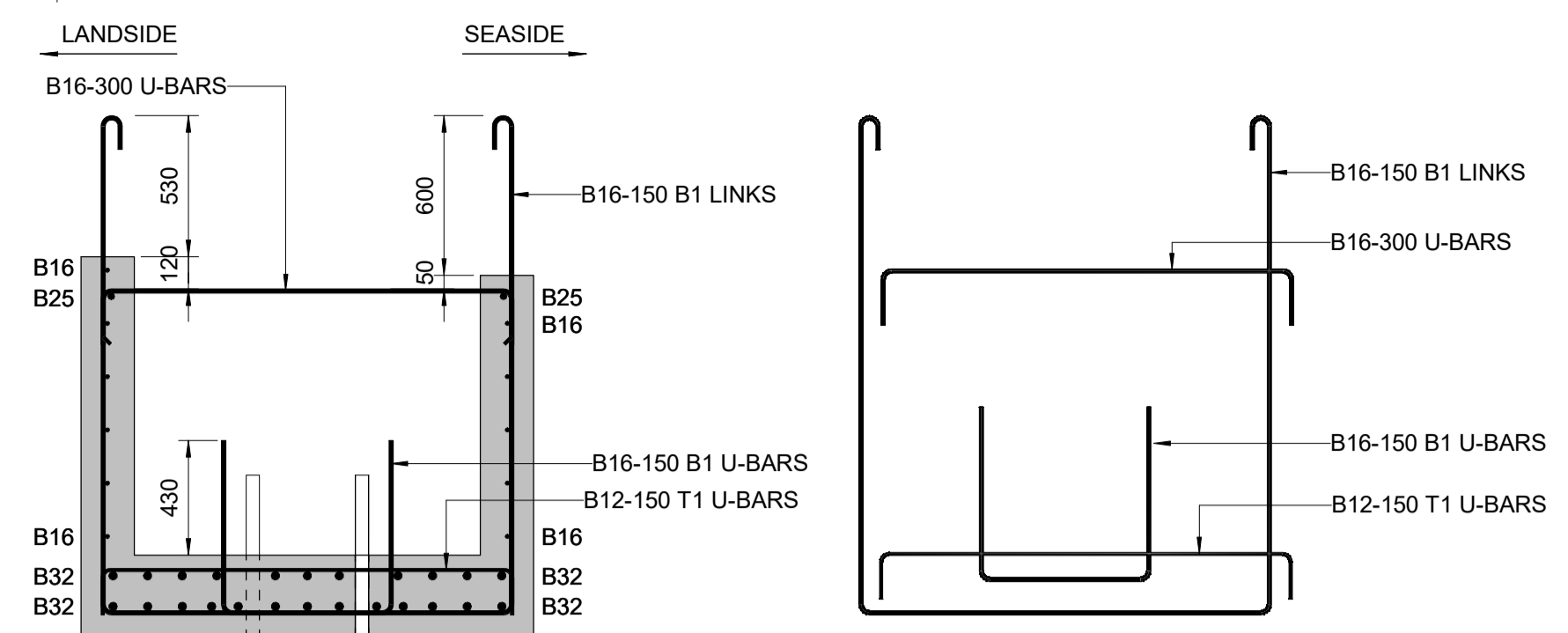
Client/Parashkrim: Durrës Port Authority / Autoriteti Portual Durrës  
 Project/Projekt: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano  
 Discipline/Disiplina: Offshore - Civil

Title/Titull: Phase 1 Piles Reinforcement Details  
 Scale/Shkala: As indicated  
 Phase/Faza: Detailed Design  
 Sheet/No. / of: 1 / 1  
 Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2201

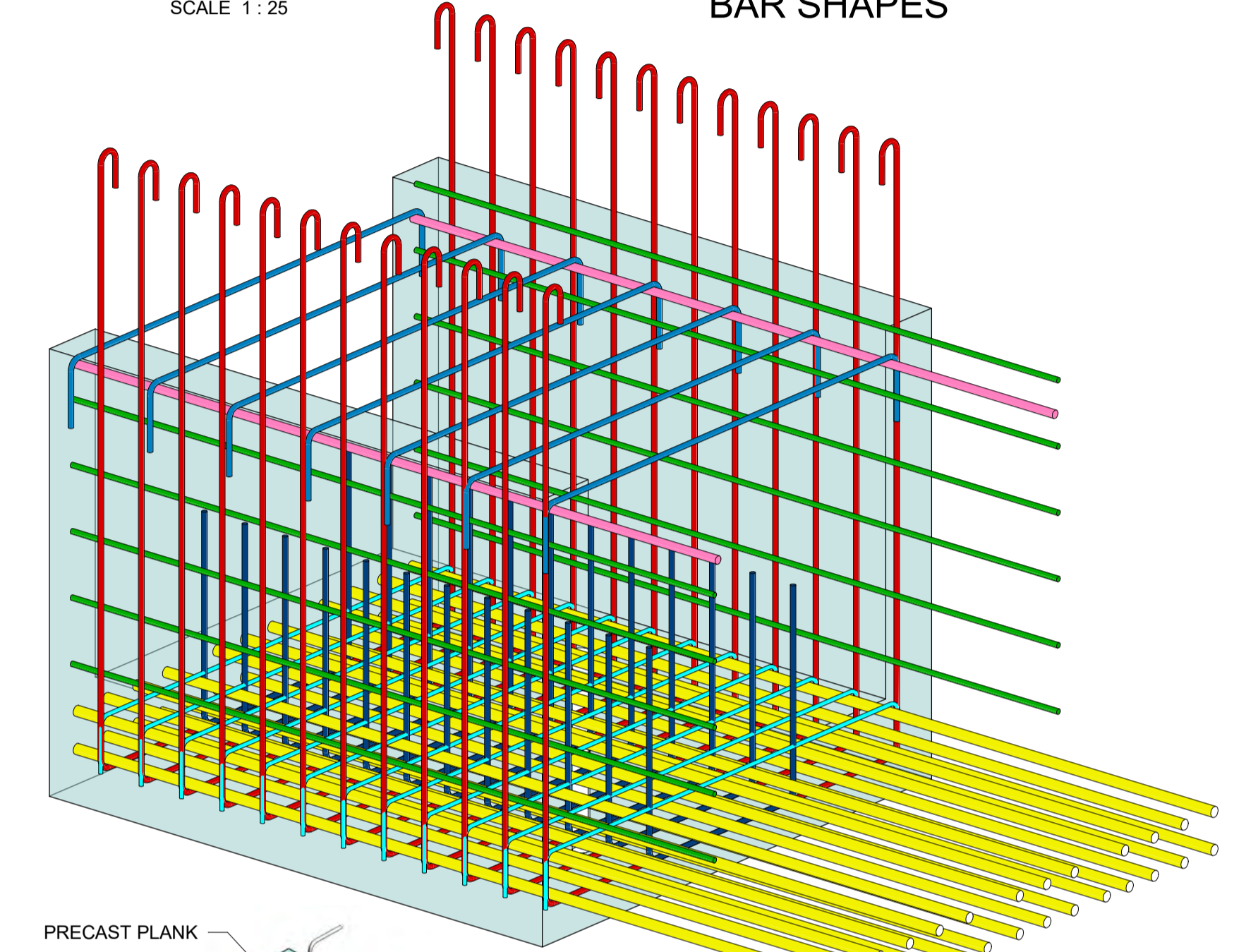
THE REINFORCEMENT OF PRECAST BEAM FC2 IS SIMILAR TO FC1 AS SHOWN BELOW BUT LENGTH IS DIFFERENT AS SHOWN ON THE GA DRAWING.



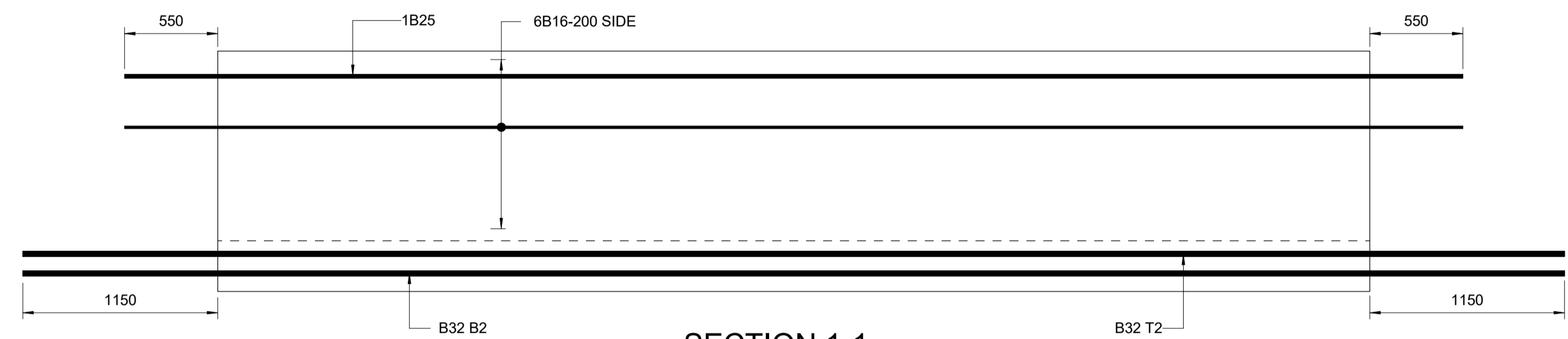
FC1 - PLAN  
SCALE 1 : 25



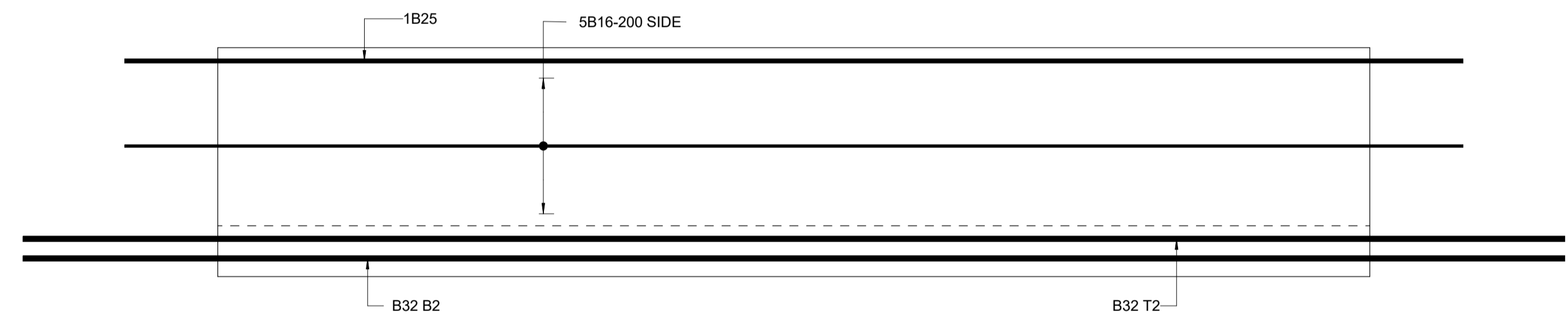
SECTION 3-3  
SCALE 1 : 25



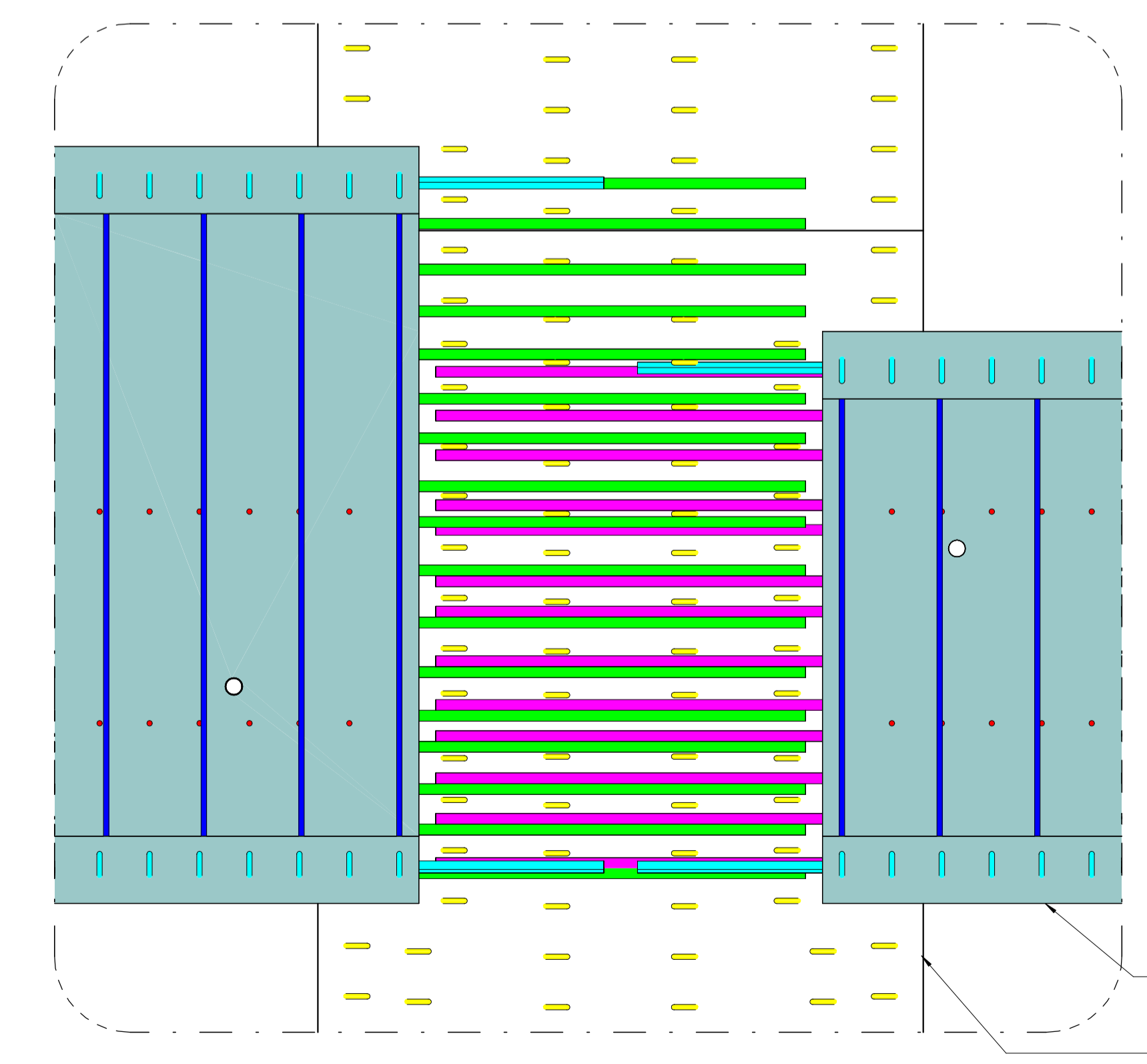
PERSPECTIVE- PRECAST BEAM



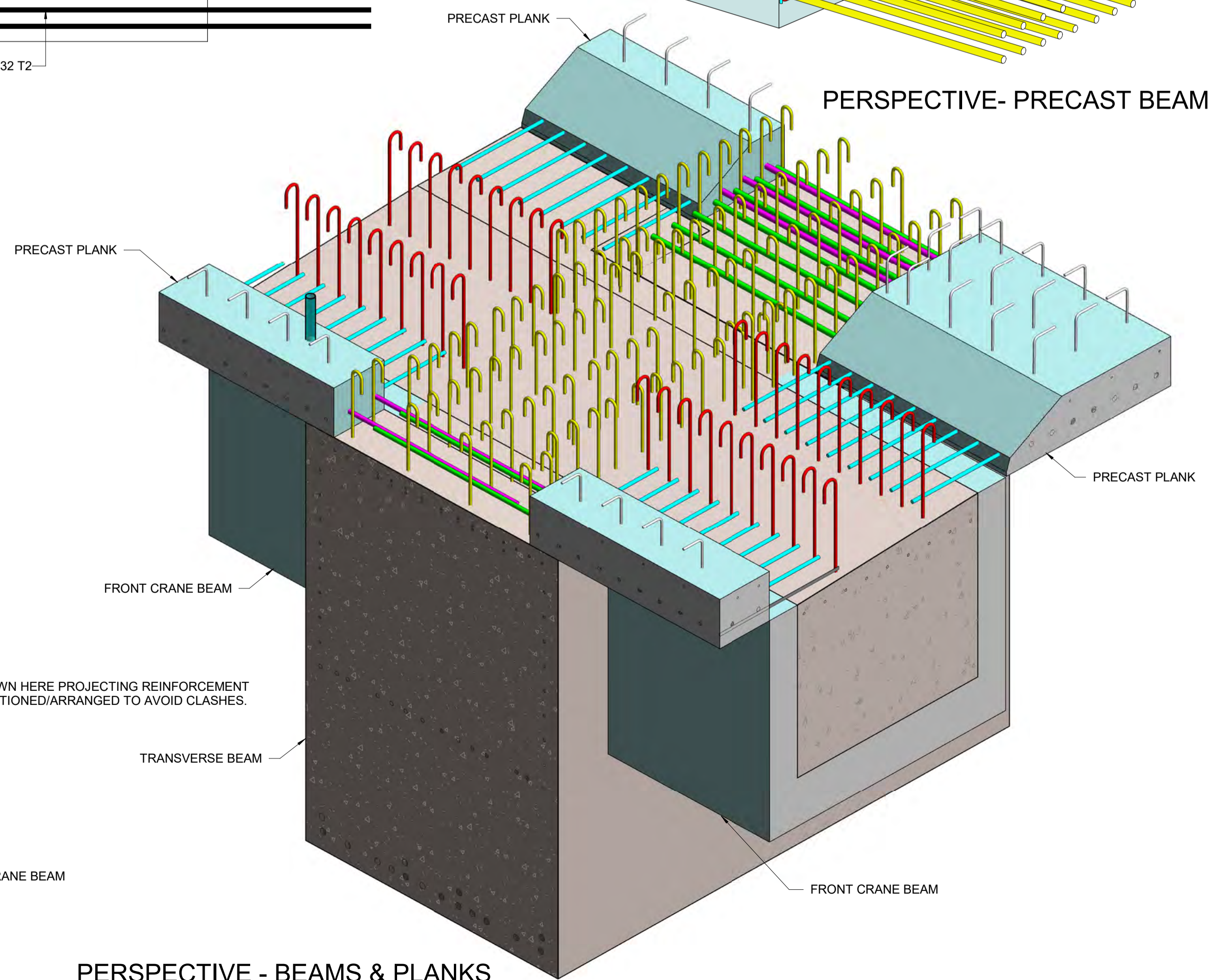
SECTION 1-1  
SCALE 1 : 25



SECTION 2-2  
SCALE 1 : 25



PERSPECTIVE - PRECAST CRANE BEAMS ON TRANSVERSE BEAM



PERSPECTIVE - BEAMS & PLANKS

NOTE: AS SHOWN HERE PROJECTING REINFORCEMENT SHALL BE POSITIONED/ARRANGED TO AVOID CLASHES.

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- ALL CONCRETE SHALL BE GRADE C35/45 UNLESS NOTED OTHERWISE.
- SETTING OUT OF PROJECTING BARS FROM PRECAST RC UNITS IS CRITICAL TO BUILTABILITY. POSITIONAL TOLERANCES OF PROJECTING BARS TO BE +/- 10mm.
- ALL STEEL REINFORCEMENT IS TO BE IN ACCORDANCE WITH BS4449:2005+A3:2016. DEFINITION GRADE B500B.
- REINFORCEMENT SHALL BE DETAILED ACCORDING TO BS 8666:2020.
- REINFORCEMENT IN PRECAST UNITS TO BE DISPLACED LOCALLY TO AVOID POST-DRILLED HOLES AND FIXINGS WITH THE AGREEMENT OF ENGINEER.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NO. BI1884-RHD-06-CT-DR-C-2151.
- UNLESS NOTED OTHERWISE, THE MINIMUM ANCHORAGE LENGTHS AND LAP LENGTHS SHALL BE AS FOLLOWS:

| BAR SIZE (mm)         | 12  | 16  | 20  | 25  | 32   | 40   |
|-----------------------|-----|-----|-----|-----|------|------|
| ANCHORAGE LENGTH (mm) | 300 | 400 | 500 | 700 | 1000 | 1300 |
| LAP LENGTH (mm)       | 400 | 500 | 650 | 900 | 1300 | 2000 |

GOOD BOND CONDITION IS APPLIED FOR ALL AREAS AND RE-VIBRATION IS THEREFORE NECESSARY FOR THE IN-SITU SLAB ACCORDING TO THE CONCRETE WORKS SPECIFICATION BI1884-RHD-02-QW-SP-CM-2003.

9. REINFORCEMENT CALL UPS FOLLOW THIS CONVENTION:

- 6 NO. BARS
  - 6 B12-100 B1
  - 12mm Ø
  - 100mm CENTRES
- T1 - TOP OUTER LAYER
- T2 - TOP SECOND LAYER
- B1 - BOTTOM OUTER LAYER
- B2 - BOTTOM SECOND LAYER
- FF - FAR FACE
- NF - NEAR FACE
- STG - STAGGERED BARS
- ABR - ALTERNATIVE BAR REVERSED

CONCRETE GRADES, COVERS AND FINISHES:

| ELEMENTS         | TYPE             | GRADE  | COVER (mm)*                 | FINISH       |
|------------------|------------------|--------|-----------------------------|--------------|
| PRECAST CONCRETE | PC PLANK / BEAMS | C35/45 | EXPOSED: 75<br>INTERNAL: 50 | F2, U2<br>CJ |
| IN-SITU CONCRETE | ALL              | C35/45 | EXPOSED: 75                 | U2<br>F2     |
|                  |                  |        | INTERNAL: 50                | CJ           |

\* UNLESS NOTED OTHERWISE FOR CONCRETE GRADES, COVERS, FINISHES, LAP AND ANCHORAGE LENGTHS REFER TO CONCRETE (QUAY STRUCTURES) SPECIFICATIONS BI1884-RHD-02-QW-SP-CM-2003.

FINISH REFERENCES

EXPOSED FORMED

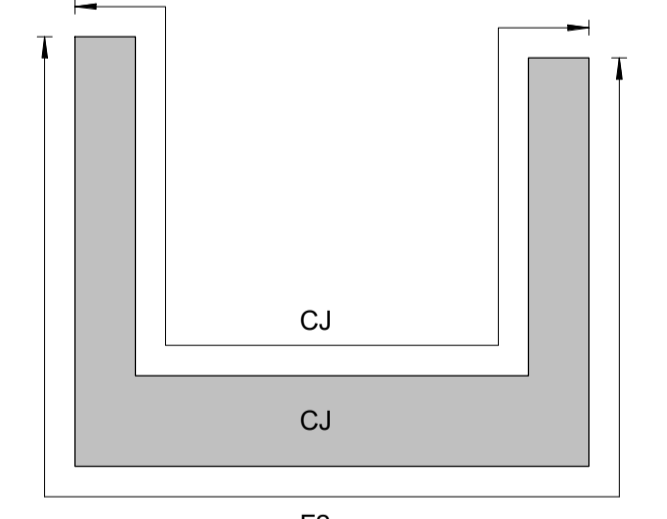
F2 - SMOOTH AND UNIFORM FINISH. FREE FROM VOIDS, HONEYCOMBING, LARGE BLEMISHES, DISCOLOURATION, STEPS, FINS, SHARP PROTRUSIONS AND LOCAL HOLLOWES. ANY OTHER IMPERFECTIONS MADE GOOD. EMBEDDED METAL PARTS ALLOWED.

EXPOSED UNFORMED

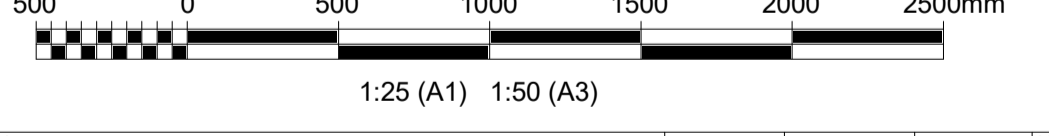
U2 - LEVELLED AND SCREEDED. AFTER HARDENING HAND OR MACHINE FLOAT TO PRODUCE UNIFORM FINISH FREE FROM SCREED MARKS.

INTERNAL

CJ - EXPOSED AGGREGATE TYPE FINISH (OR SIMILAR) TO ENSURE BOND AND KEY WITH IN-SITU CONCRETE



CONCRETE SURFACE FINISH DETAIL



|         |                       |                    |                      |                    |            |
|---------|-----------------------|--------------------|----------------------|--------------------|------------|
| Rev. 01 | FINAL SUBMISSION      | CP                 | PV                   | AM                 | 20-08-2023 |
| Rev. 02 | FOR REVIEW            | CP                 | PV                   | AM                 | 22-08-2023 |
| Rev. 03 | Description/Periskrim | Drawn/ Te vizatuar | Checked/ Kontrolluar | Approved/ Miratuar | Date/ Data |

Client/Porositësi: Durrës Port Authority / Autoriteti Portual Durrës  
 Design Object/Objekt projektimi: Container Terminal

Project/Projekti: Integrated Port of Durrës in Porto Romano / Porti i integruar i Durrësit në Porto Romano  
 Discipline/Disiplina: Offshore - Civil

Title/Titulli: Phase 1 Precast Beams FC1, FC2 Reinforcement Details

Scale/Shkala: As indicated / Detailed Design  
 Sheet/foja: 1 of 1  
 Drawing Number/Numri i vizatimit: BI1884-RHD-06-CT-DR-C-2211