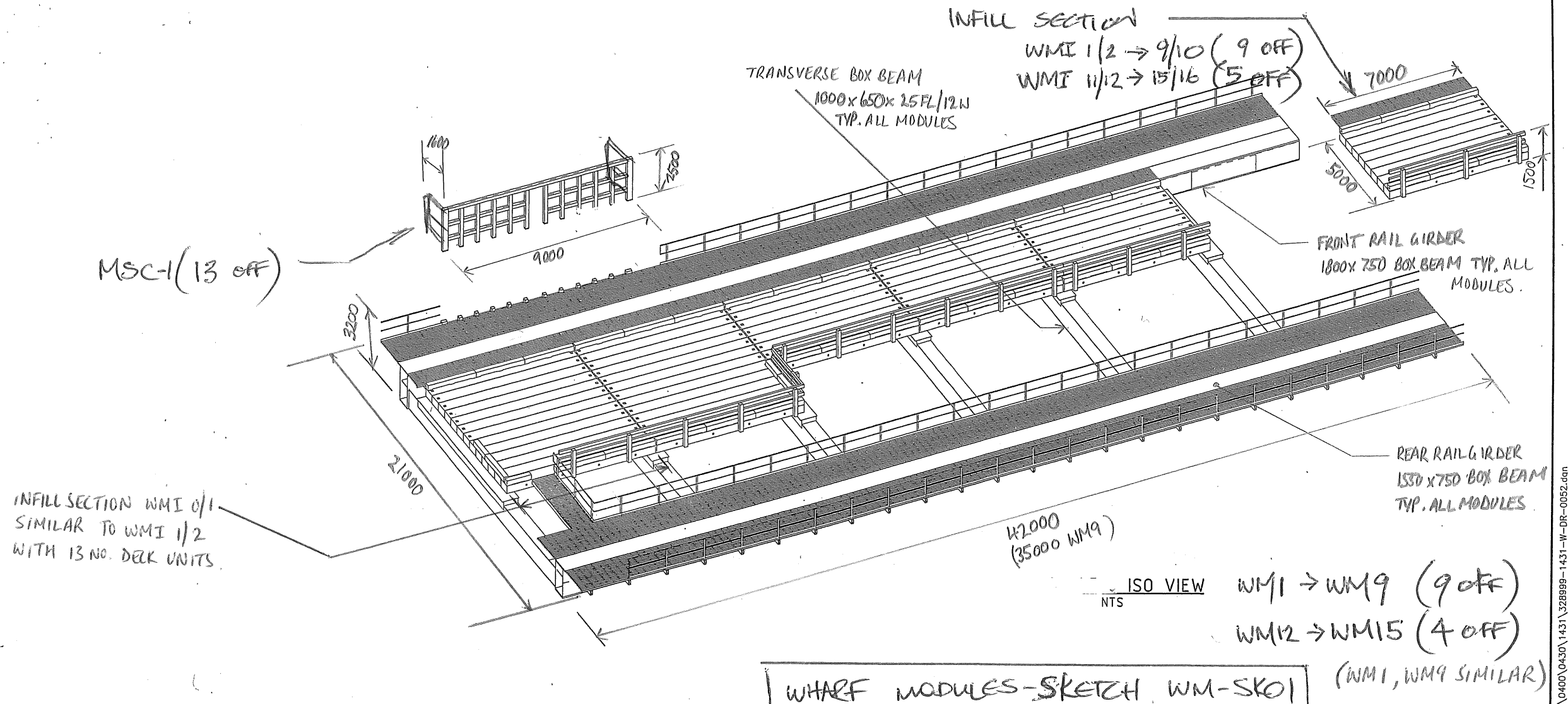


14/6/11
NICET Phase 2B TFS

NOTE: REFER TO SKETCH G-SK02
FOR TYPICAL BOX SECTION
AND RAIL GIRDER WELD
DETAILS.

- INFILL UNITS INCLUDE
- DECK UNITS (INCLUDING TRANSVERSE STRESSING BARS)
 - KERB UNITS
 - GUARDRAILING
 - HANDRAILING
 - GRATING



PRELIMINARY

aurecon HATCH
Project No. 14337300
aurecon HATCH ABN 21 646 421 651 Telephone: +61 7 3166 7700
12 Wharf St (Locked Bag 2700) Spring Hill Facsimile: +61 7 3166 6555
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aurecon Hatch is a joint venture between Aurecon Australia Pty Ltd ABN 54 005 139 873
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MOORING
SAFETY
CAGE - MSC-1 (1 OFF)
DIMS AS PER SKETCH WM-SK01

INFILL
SECTION
WMI-10/11 (1 OFF)

- INFILL SECTIONS INCLUDE
- DECK UNITS (INCLUDING TRANSVERSE STRESSING BARS)
 - KERB UNITS
 - GUARDRAILING
 - HANDRAILING
 - GRATING

INFILL SECTION
WMI-11/12
DIMS AS PER WM-SK01

LOOSE ITEMS

WM 10 ISO VIEW (1 OFF)
NTS

MSC-1
(1 OFF)
DIMS AS PER WM-SK01

WM 11 ISO VIEW (1 OFF)
NTS

NOTE: REFER TO SKETCH G-SK02
FOR TYPICAL BOX SECTION
AND RAIL GIRDER WELD
DETAILS

WHARF MODULES - SKETCH WM-SK02

PRELIMINARY

aurecon HATCH

Project No. 1135730

Aurecon HATCH ABN 21 648 421 651 Telephone: +61 7 3165 7700
152 Wharf St (Locked Bag 2700) Spring Hill Facsimile: +61 7 3165 6555
Queensland 4004 Australia Email: ahb@aureconhatch.com

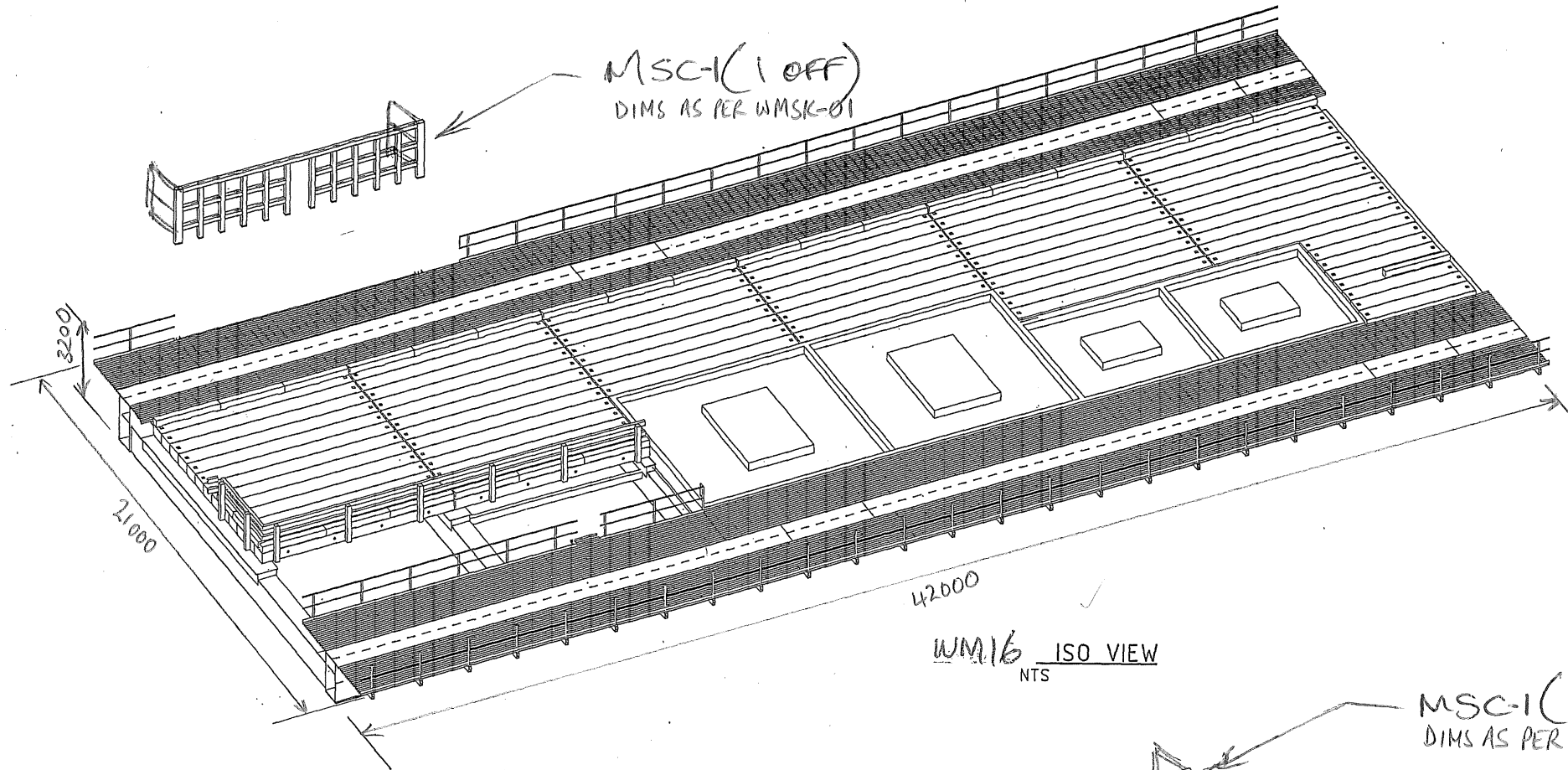
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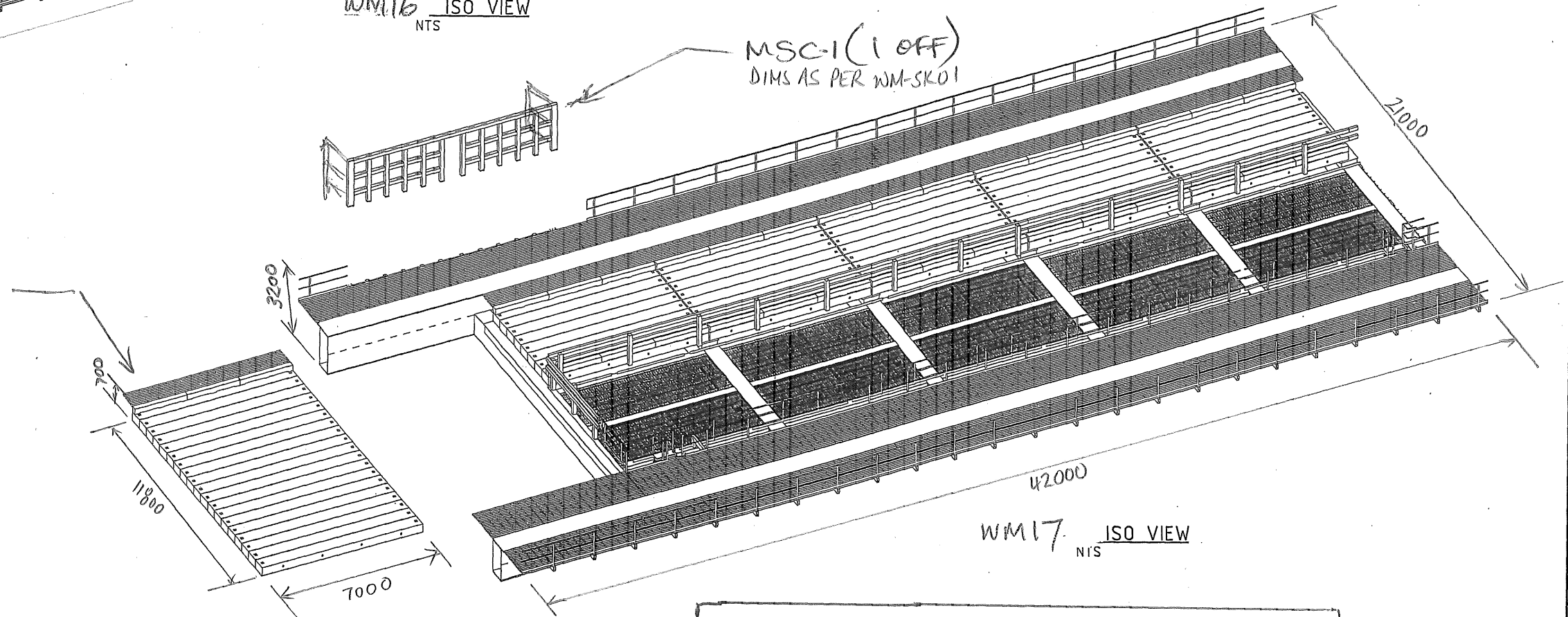
14/6/11
WICET Phase 2B TBS



- INFILL UNITS INCLUDE:
- DECK UNITS (INCLUDING TRANSVERSE STRESSING BARS)
 - KERB UNITS
 - GUARDRAILING
 - HANDRAILING
 - GRATING

INFILL SECTION
WMI 16/17 (1 OFF)

NOTE: REFER TO SKETCH G-SK02
FOR TYPICAL BOX SECTION
AND RAIL GIRDER WELD
DETAILS.



WHARF MODULES - SKETCH WM-SK03

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PRELIMINARY

aurecon HATCH

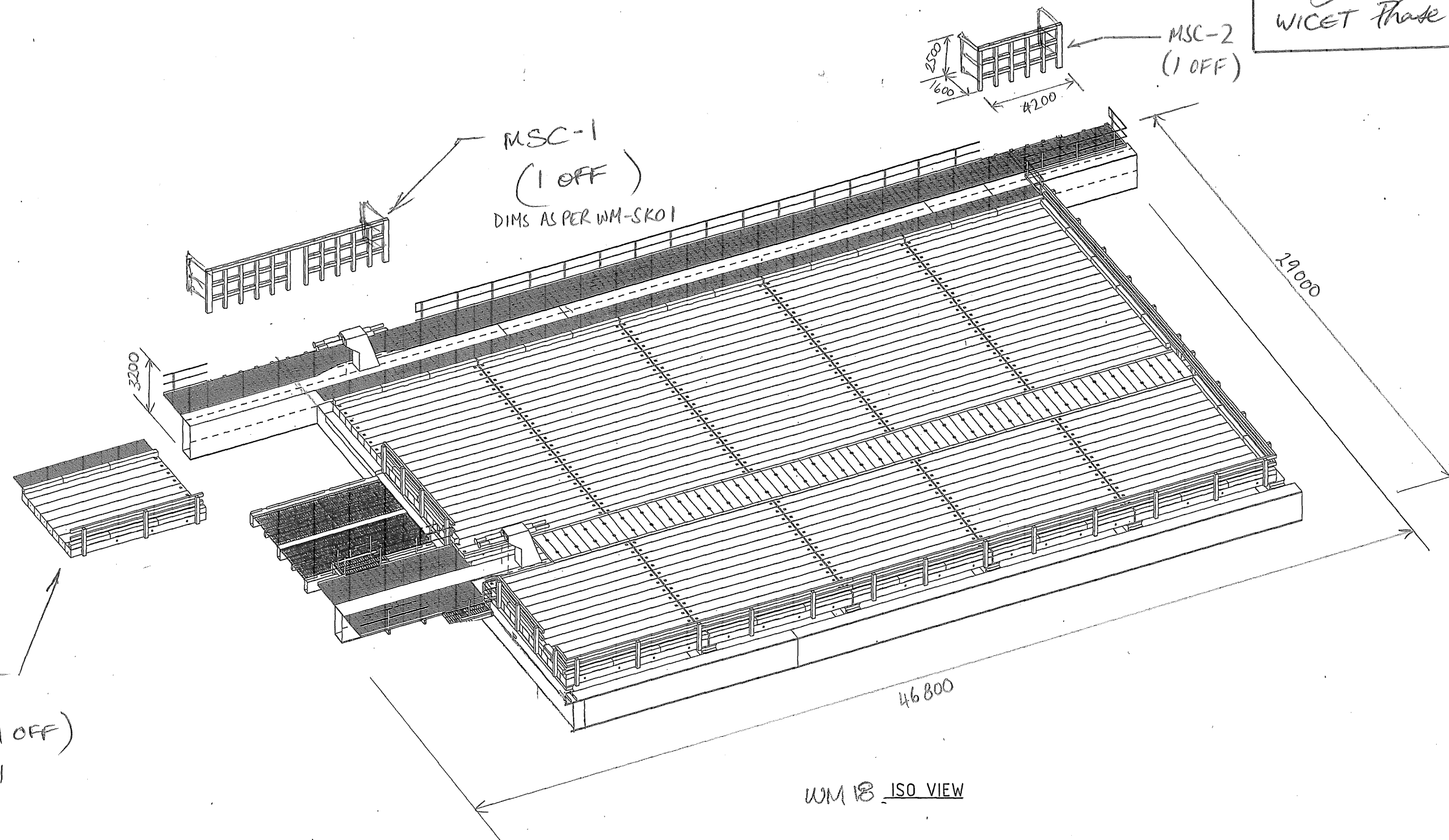
Project No. 11387300

Aurecon HATCH ABN 21 646 421 651
152 Wharf St (Locked Bag 2700) Spring Hill
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Email: ahbns@aureconhatch.com

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WICET Phase 2B TFS



INFILL
SECTION
WMI 17/18 (1 OFF)
DIMS AS PER WM-SK01

NOTE: REFER TO SKETCH G-SK02
FOR TYPICAL BOX SECTION
AND RAIL GIRDER WELD
DETAILS.

- INFILL UNITS INCLUDE:
- DECK UNITS (INCLUDING TRANSVERSE STRESSING BARS)
 - KERB UNITS
 - GUARDRAILING
 - HANDRAILING
 - GRATING

WHARF MODULES - SKETCH WM-SK04

PRELIMINARY

aurecon HATCH

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Queensland 4004 Australia

Telephone: +61 7 3166 7700
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Project No.
1133730

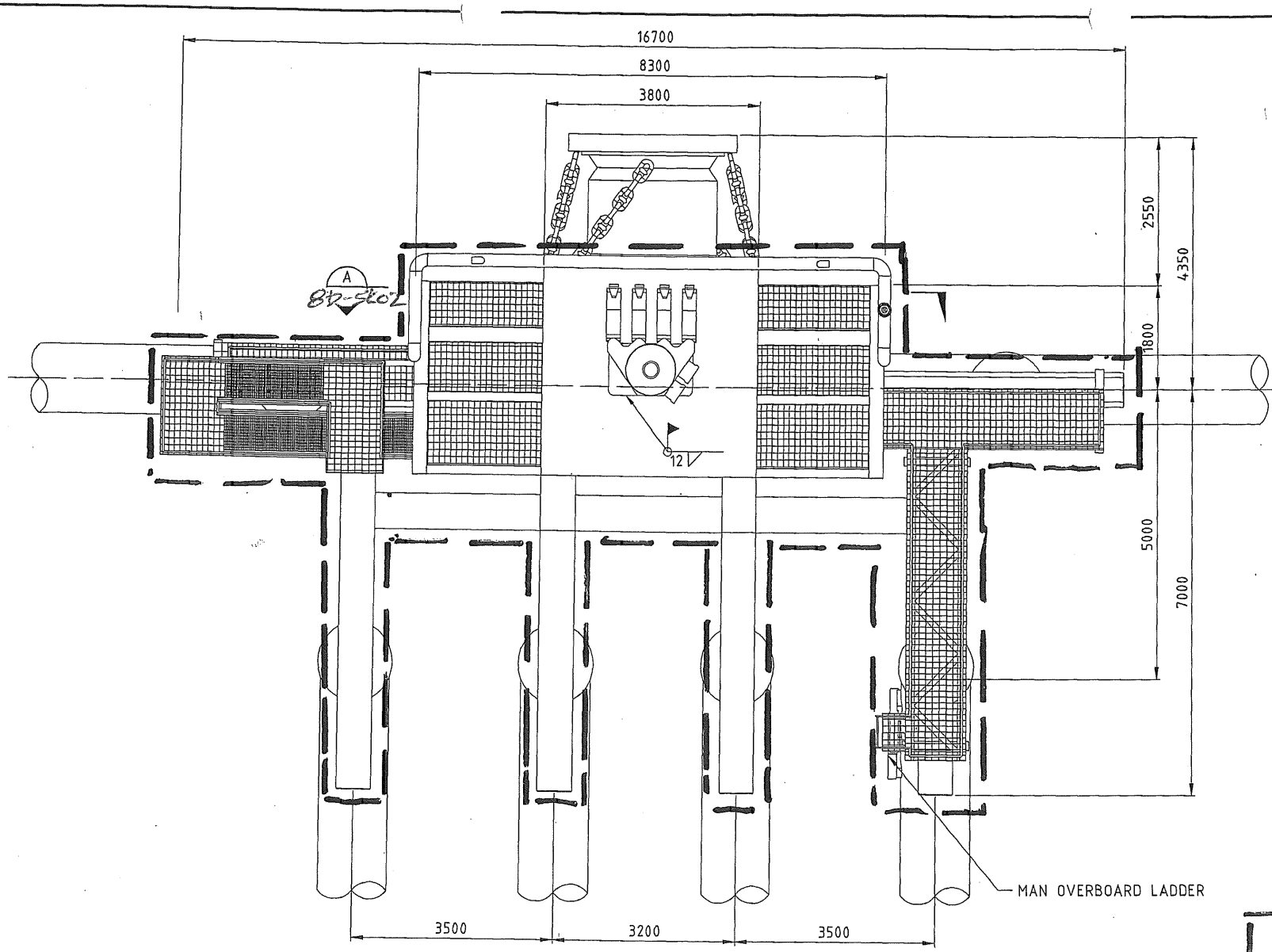
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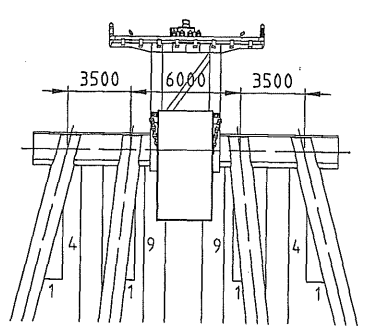
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WICET Phase 2B TFS

HOLD NOTE 1 - AWAITING CLIENT APPROVAL
HOLD NOTE 2 - AWAITING VENDOR DESIGN INFORMATION



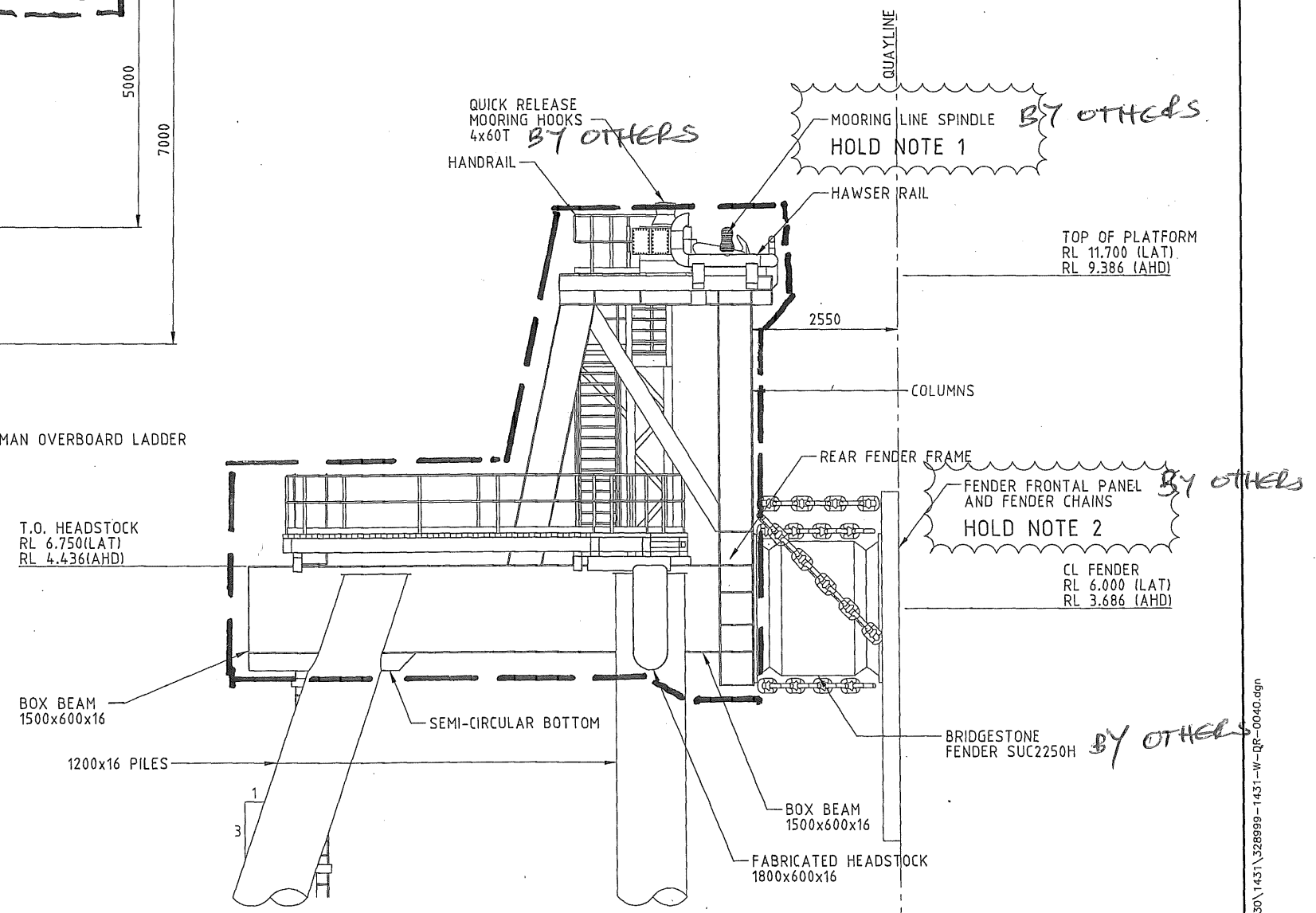
8 PILE BERTHING/MOORING DOLPHIN PLAN

DENOTES
EXTENT OF
MODULE



8 PILE BERTHING DOLPHIN FRONT ELEVATION
1:200

8 PILE DOLPHIN MODULE
- SKETCH BD-SK01



8 PILE BERTHING DOLPHIN ELEVATION

SUBJECT TO FINAL VERIFICATION AND APPROVAL

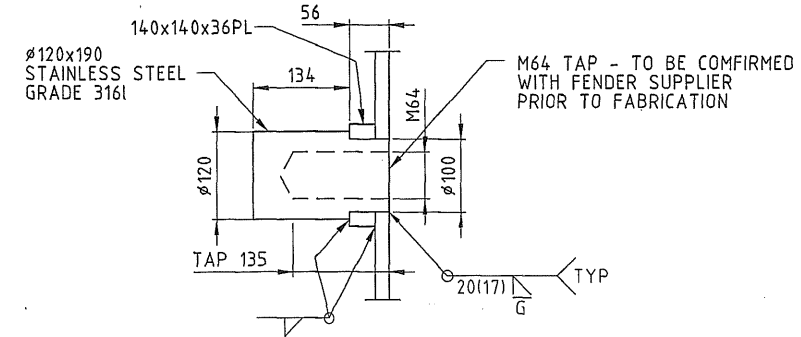
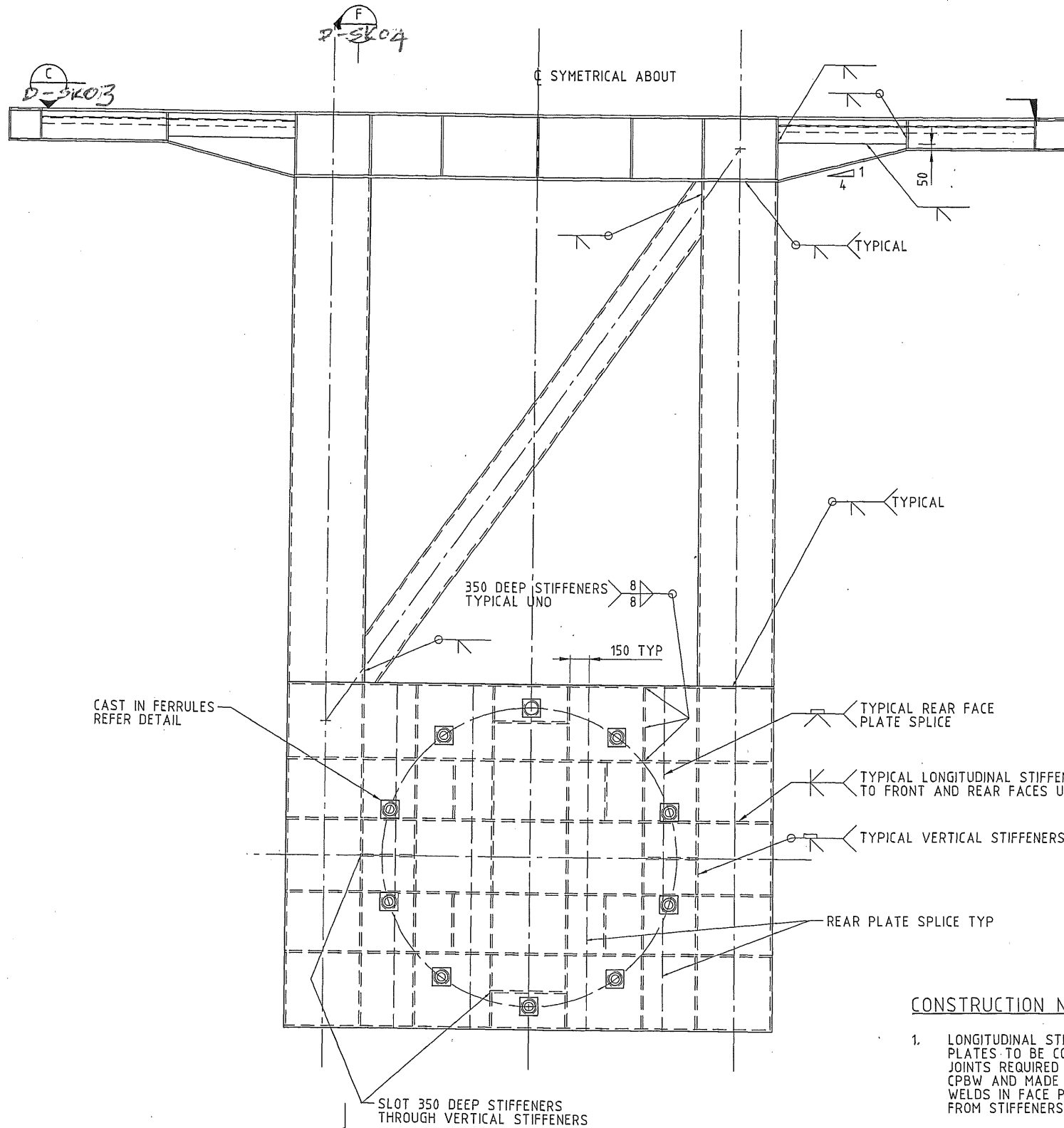
PRELIMINARY

aurecon HATCH
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Aurecon Hatch is a joint venture between Aurecon Australia Pty Ltd ABN 54 005 139 873 and Hatch Associates Pty Ltd ABN 59 008 63 500.
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VICET Prod ZB TIS



TYPICAL FERRULE DETAIL
SCALE 1:5

8 PILE DOLPHIN MODULE
- SKETCH 8D-SK02

ELEVATION
4/100T QRMH PLATFORM AND REAR FENDER FRAME

SECTION A
SCALE 1:20
8D-SK01

CONSTRUCTION NOTES

1. LONGITUDINAL STIFFENERS, FRONT, TOP, BOTTOM AND END PLATES TO BE CONTINUOUS PLATE ELEMENTS. ANY SPLICE JOINTS REQUIRED (TO SUIT STOCK PLATE SIZES) SHALL BE CPBW AND MADE PRIOR TO ASSEMBLY OF FRAME. SPLICE WELDS IN FACE PLATES SHALL BE MINIMUM 150 OFFSET FROM STIFFENERS RUNNING PARALLEL TO THE SPLICE.
2. REAR FACE PLATE OF FRAME TO BE SPLICED AS SHOWN TO FACILITATE WELDOUT OF STIFFENERS.

PRELIMINARY

aurecon HATCH

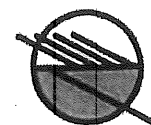
Aurecon HATCH ABN 21 646 421 651
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Queensland 4004 Australia

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Aurecon HATCH is a joint venture between Aurecon Australia Pty Ltd ABN 54 005 139 873 and Hatch Associates Pty Ltd ABN 59 006 63 500.
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Project No.

H3737D



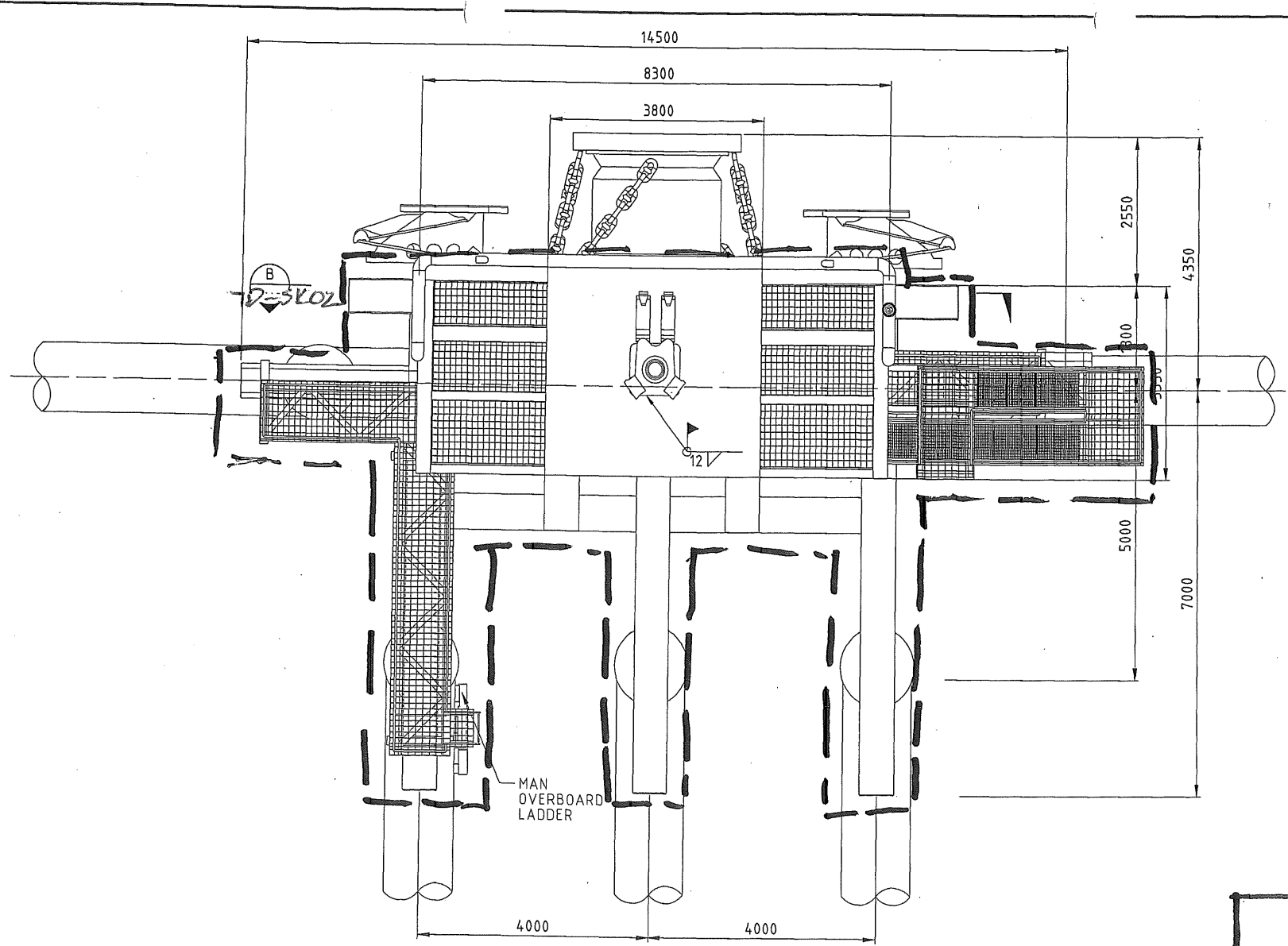
WICET
WIGGINS ISLAND
COAL EXPORT TERMINAL

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WICET Phase 2B TPS

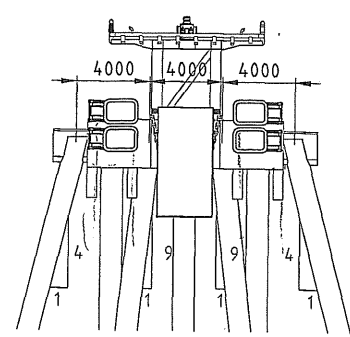
HOLD NOTE 1 - AWAITING CLIENT APPROVALS
HOLD NOTE 2 - AWAITING VENDER DESIGN INFORMATION

7 PILE DOLPHIN MODULE
- SKETCH 7D-SK01



7 PILE BERTHING/MOORING DOLPHIN PLAN

DENOTES
EXTENT OF
MODULE



7 PILE BERTHING DOLPHIN FRONT ELEVATION
1:200

T.O. HEADSTOCK
RL 6.750 (LAT)
RL 4.436 (AHD)

BOX BEAM
1500x600x16

1200x16 PILES

7 PILE BERTHING DOLPHIN ELEVATION

QUICK RELEASE
MOORING HOOKS
4x60T
BY OTHERS

MOORING LINE SPINDLE
HOLD NOTE 1

HAWSER RAIL

TOP OF PLATFORM
RL 11.700 (LAT)
RL 9.386 (AHD)

COLUMN

REAR FENDER FRAME

FENDER FRONTAL PANEL
AND FENDER CHAINS
HOLD NOTE 2

CL FENDER
RL 6.000 (LAT)
RL 3.686 (AHD)

BRIDGESTONE
FENDER SUC2250H

MOORMASTER
MOORING SYSTEM

MOORMASTER RAILS (BY OTHERS)

BOX BEAM
1500x600x16

FABRICATED HEADSTOCK
1800x600x16

SUBJECT TO FINAL VERIFICATION AND APPROVAL

PRELIMINARY

aurecon HATCH

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152 Wharf St, (Locked Bag 2700) Spring Hill
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Email: ahn@aureconhatch.com

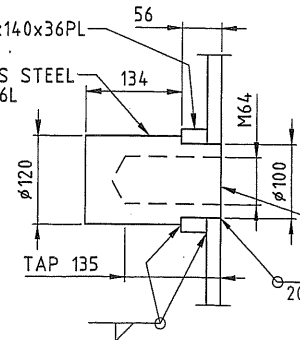
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Project No.
H33730



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140x140x36PL
#120x190
STAINLESS STEEL
GRADE 316L



TYPICAL FERRULE DETAIL
SCALE 1:5

M64 TAP - TO BE CONFIRMED
WITH FENDER SUPPLIER
PRIOR TO FABRICATION

CONSTRUCTION NOTES

1. LONGITUDINAL STIFFENERS, FRONT, TOP, BOTTOM AND END PLATES TO BE CONTINUOUS PLATE ELEMENTS. ANY SPLICE JOINTS REQUIRED (TO SUIT STOCK PLATE SIZES) SHALL BE CPBW AND MADE PRIOR TO ASSEMBLY OF FRAME. SPLICE WELDS IN FACE PLATES SHALL BE MINIMUM 150 OFFSET FROM STIFFENERS RUNNING PARALLEL TO THE SPLICE.
2. REAR FACE PLATE OF FRAME TO BE SPLICED AS SHOWN TO FACILITATE WELDOUT OF STIFFENERS.
3. END PLATES SHALL BE CLOSING PLATES.

CAST IN FERRULES
REFER DETAIL

350 DEEP STIFFENERS
TYPICAL UNO

TYPICAL VERTICAL STIFFENERS

TYPICAL LONGITUDINAL STIFFENERS
TO FRONT AND REAR FACES UNO

TYPICAL REAR FACE
PLATE SPLICE

10 GAP
TYPICAL

150 TYP

SLOT 350 DEEP STIFFENERS SLOTTED
THROUGH VERTICAL STIFFENERS

10 GAP
TYPICAL

TYPICAL

WEB TO FLANGE
TYPICAL

ELEVATION
2/60T QRMH PLATFORM AND REAR FENDER FRAME

SECTION B
SCALE 1:20

7D-SK01

SECTION E
SCALE 1:20

SUBJECT TO FINAL VERIFICATION AND APPROVAL

PRELIMINARY

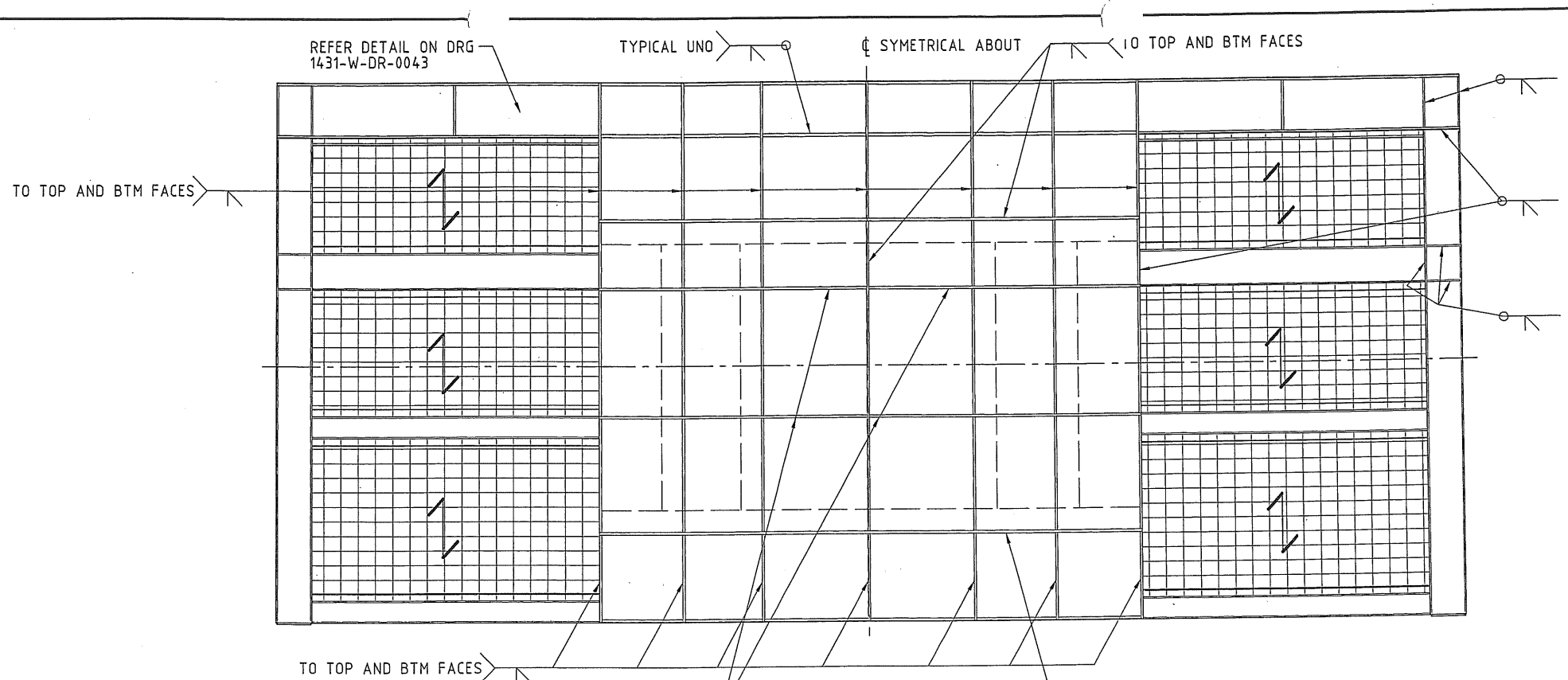
aurecon HATCH
Aurecon HATCH ABN 21 646 421 651
152 Wharf St (Locked Bag 2700) Spring Hill
Queensland 4004 Australia
Telephone: +61 7 3166 7700
Facsimile: +61 7 3166 6555
Email: ah@aureconhatch.com
Project No. 132730E
Aurecon Hatch is a joint venture between Aurecon Australia Pty Ltd ABN 54 005 139 873
and Hatch Associates Pty Ltd ABN 69 008 63 500.
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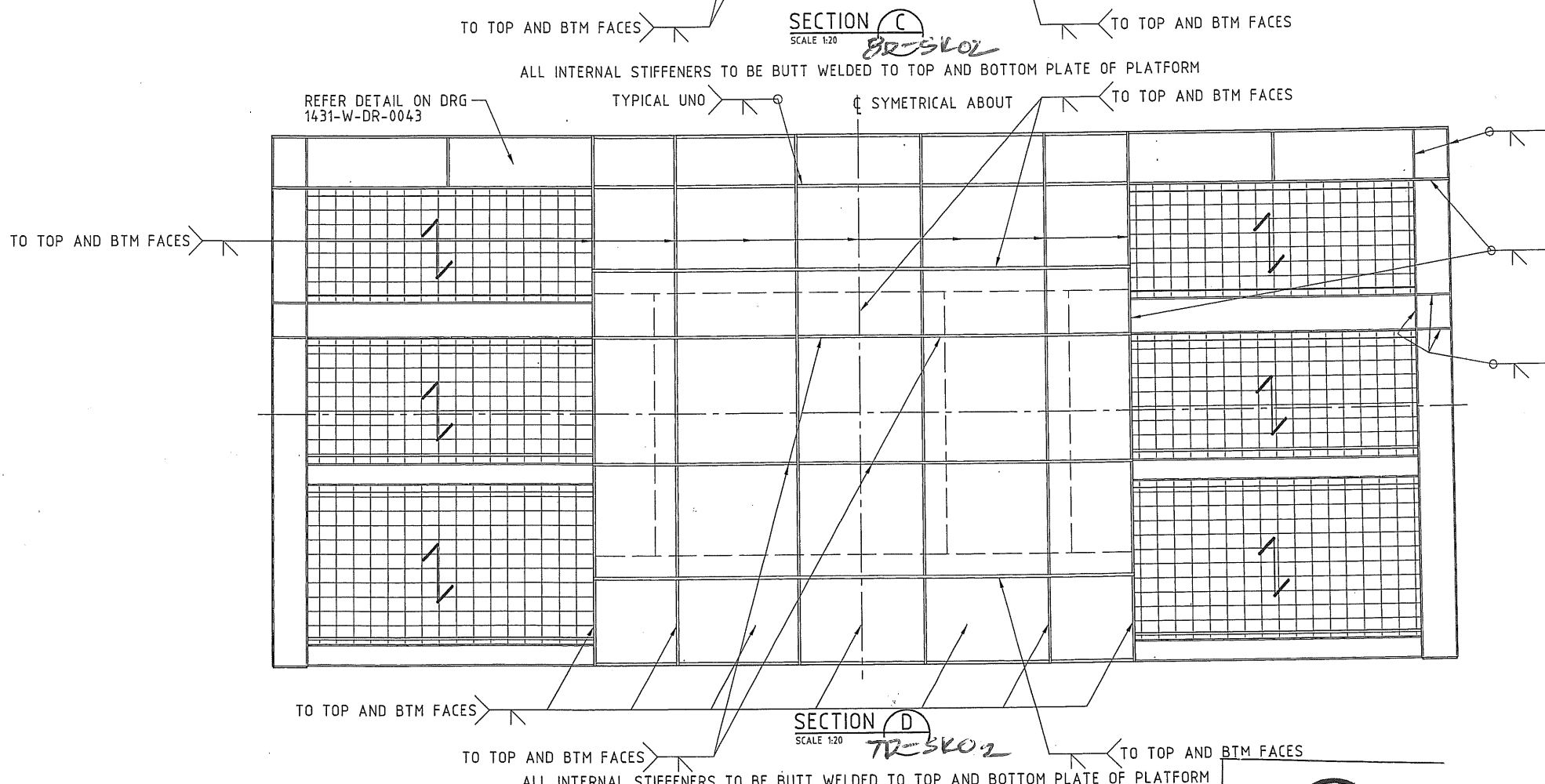
7 PILE DOLPHIN MODULE
- SKETCH 7D-SK02

14/6/11
WICET Phase 2B TFS

14/6/11
WICET Phase 2B TFS



7 & 8 PILE DOLPHIN
MODULE SECTIONS
- SKETCH D-SK03



- CONSTRUCTION NOTES
1. LONGITUDINAL STIFFENERS, TOP AND SIDE PLATES TO BE CONTINUOUS PLATE ELEMENTS. ANY SPLICE JOINTS REQUIRED (TO SUIT STOCK PLATE SIZES) SHALL BE CPBW AND MADE PRIOR TO ASSEMBLY OF FRAME. SPLICE WELDS IN FACE PLATES SHALL BE MINIMUM 150 OFFSET FROM STIFFENERS RUNNING PARALLEL TO THE SPLICE.
 2. BOTTOM FACE PLATE OF FRAME TO BE SPliced AS SHOWN TO FACILITATE WELDOUT OF STIFFENERS.

SUBJECT TO FINAL VERIFICATION AND APPROVAL

PRELIMINARY

aurecon HATCH

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Queensland 4004 Australia

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Facsimile: +61 7 3166 6555
Email: ahb@aureconhatch.com

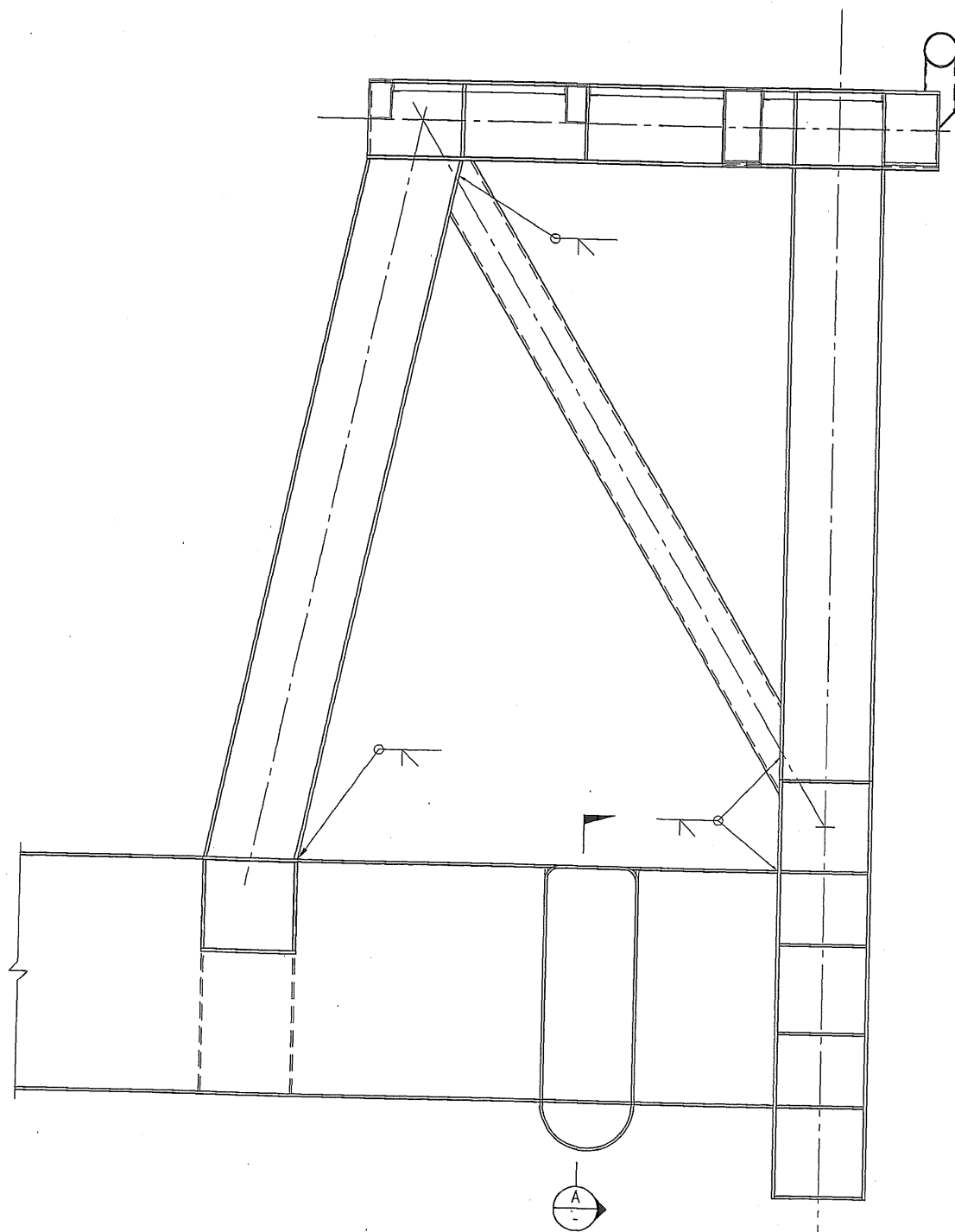
Project No. 1133730

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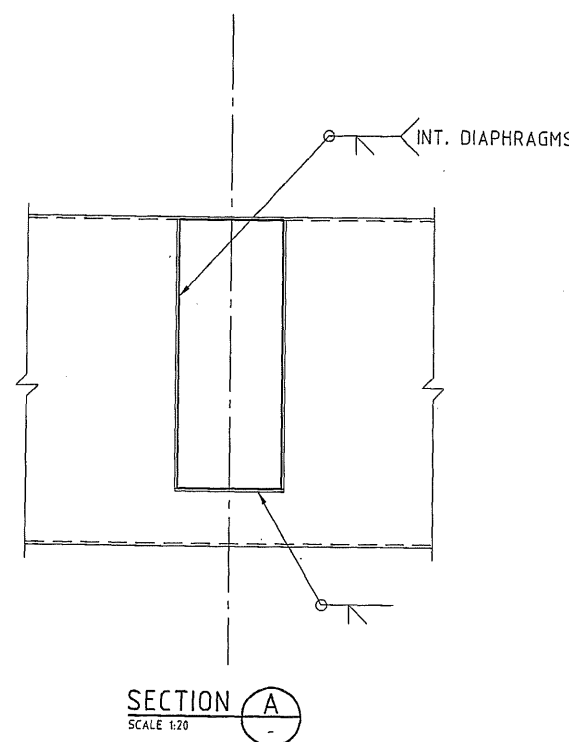


14/6/11
WICET Phase 2B TFS

748 PILE DOLPHIN
MODULE SECTIONS
- SKETCH D-SK04



SECTION F-F
SCALE 1:20
748 PILE DOLPHIN MODULE



SECTION A-A
SCALE 1:20

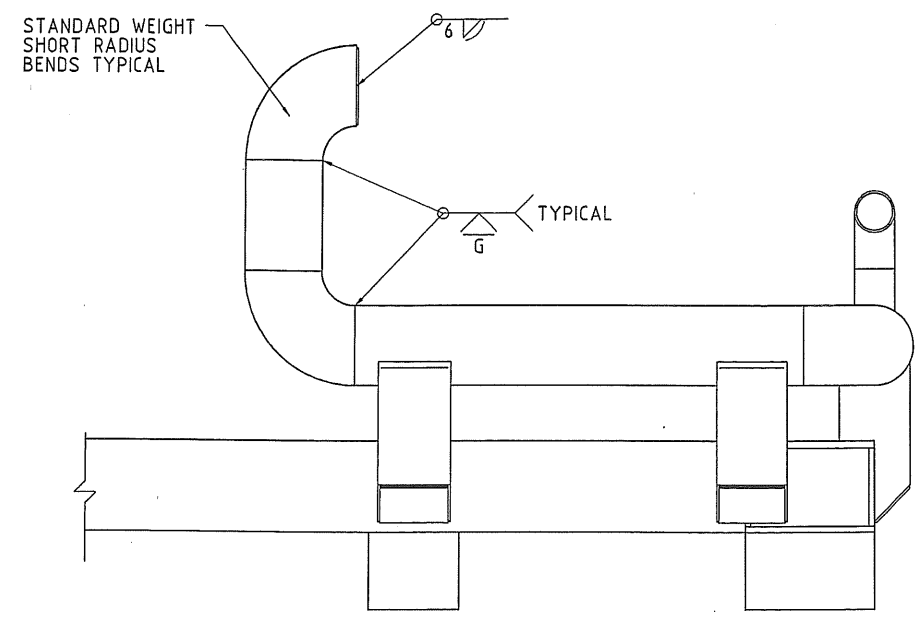
PRELIMINARY

aurecon HATCH		Project No. 4337300
Aurecon HATCH ABN 21 646 421 651 152 Wharf St, (Locked Bag 2700) Spring Hill Queensland 4004 Australia		Telephone: +61 7 3166 7700 Facsimile: +61 7 3166 6555 Email: ahbne@aureconhatch.com
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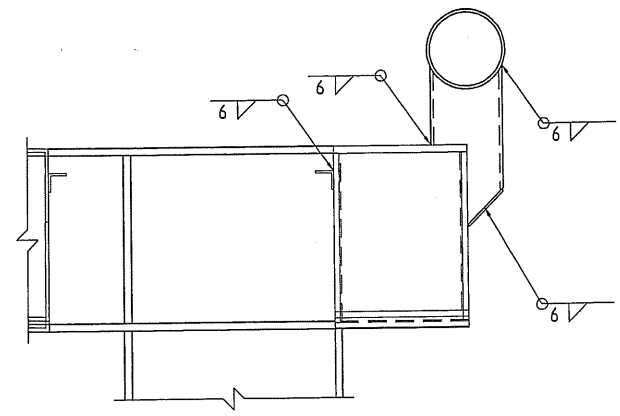


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14/6/11
WICET Phase 2B TFS



SIDE ELEVATION ON HAWSER RAIL



HAWSER RAIL POST SUPPORT

7 & 8 PILE DOLPHIN MODULE
DETAILS - SKETCH D-SK05

PRELIMINARY

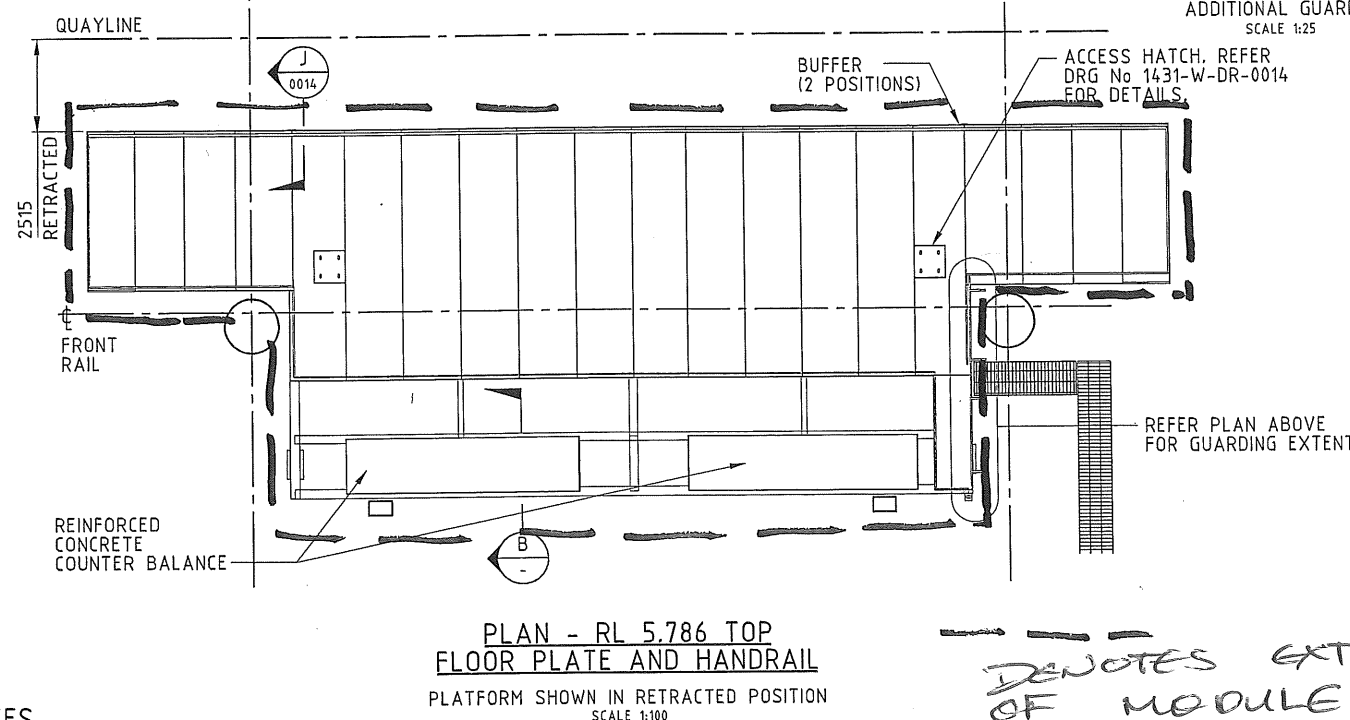
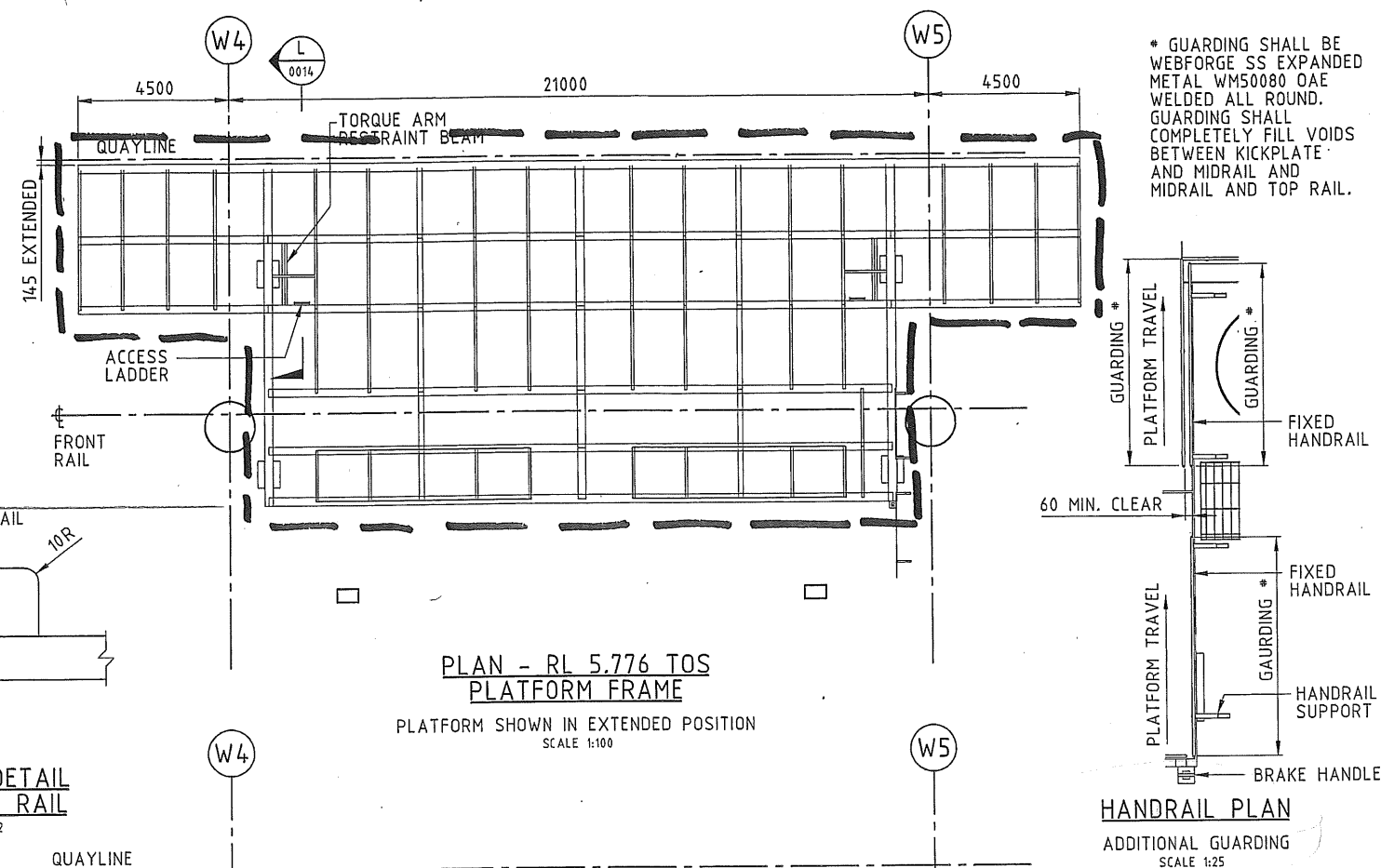
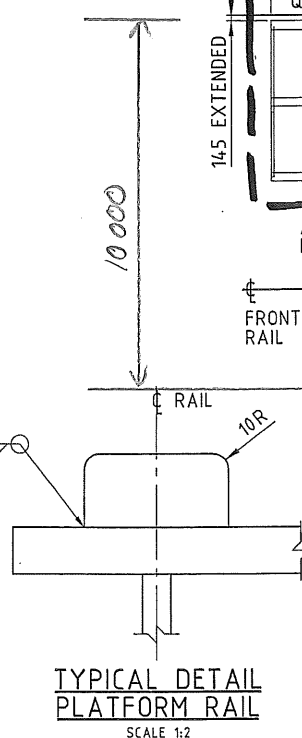
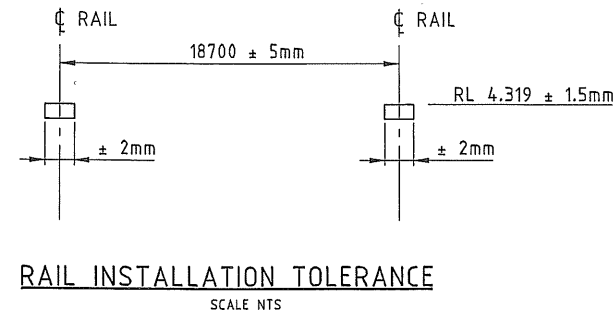
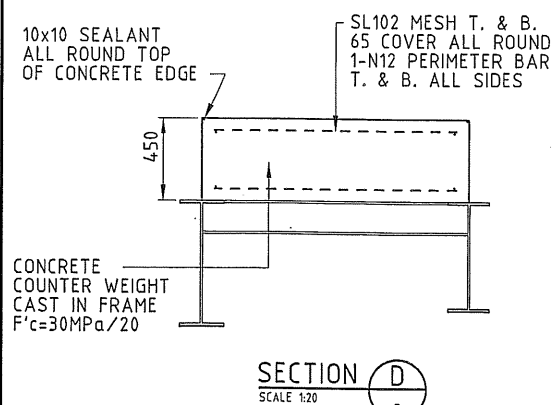
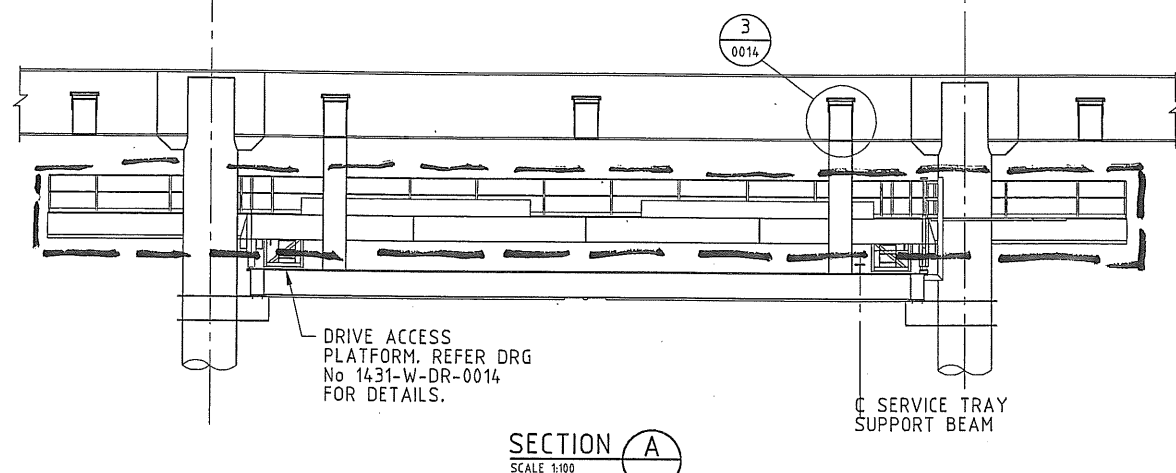
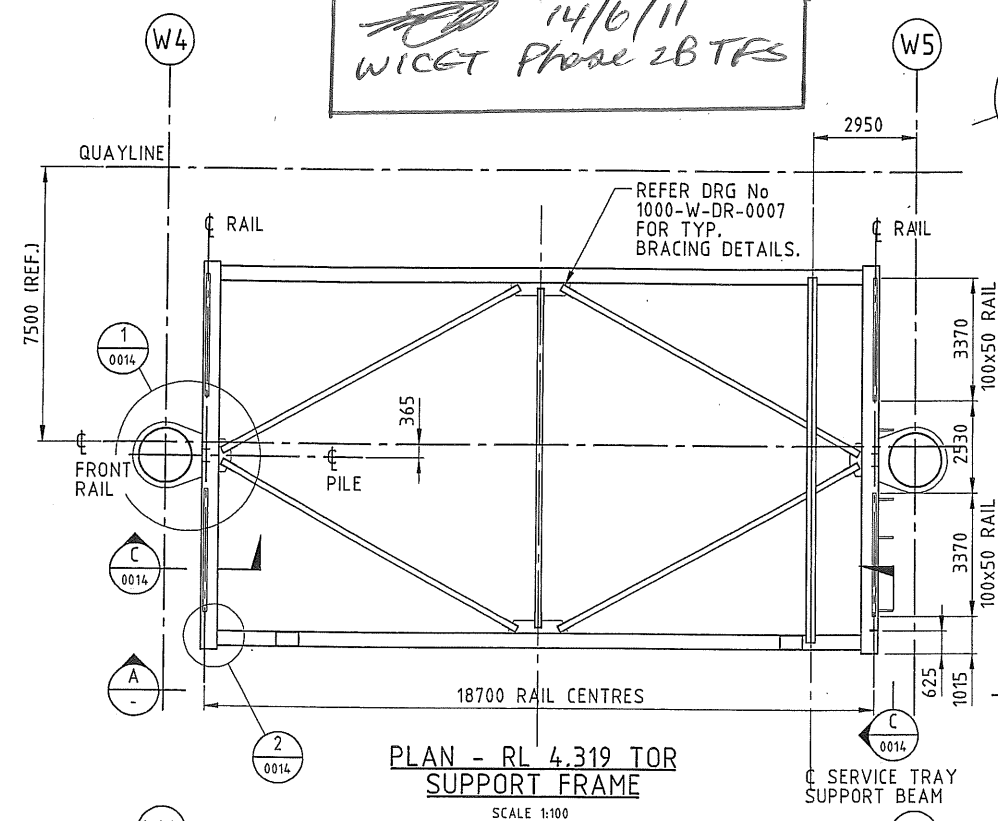
aurecon HATCH		Project No. H33 7301
Aurecon HATCH ABN 21 646 421 651 152 Wharf St. (Locked Bag 2700) Spring Hill Queensland 4004 Australia		Telephone: +61 7 3166 7700 Facsimile: +61 7 3166 6555 Email: ahbne@aureconhatch.com
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WICET Phase 2B TFS 14/6/11



1. FOR STRUCTURAL AND WELDING NOTES REFER TO DRG No 1000-S-DR-0001.
2. FOR MARINE NOTES REFER TO DRG No 1000-W-DR-0001.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH STD DRG Nos 1000-W-DR-0005 TO 1000-W-DR-0010.
4. REFER DRG No 1000-B-DR-0001 FOR CONCRETE NOTES.
5. ALL LEVELS ARE TO AHD DATUM UNO.

SHP'S ACCESS PLATFORM

- SKETCH SAP-SKOL

SUBJECT TO FINAL VERIFICATION AND APPROVAL

PRELIMINARY

àurecon HATCH

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152 Wharf St. (Locked Bag 2700) Spring Hill
Queensland 4004 Australia

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Email: ahbne@aureconhatch.com

WICET
WIGGINS ISLAND
COAL EXPORT TERMINAL

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