

▼ ELEV. (+) 13.585
(TOP OF JACKET)

▼ ELEV. (+) 12.600

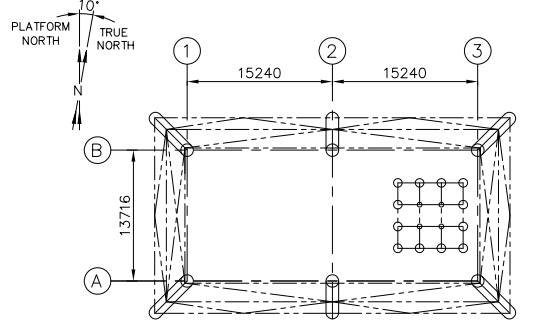
▼ ELEV. 0.000
(CHART DATUM)

▼ ELEV. (-) 3.000

▼ ELEV. (-) 12.395

▼ ELEV. (-) 12.700
(MUD LINE)

▼ ELEV. (-) 13.380
(BOTTOM OF JACKET)



(HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY)

COMPANY APPROVAL

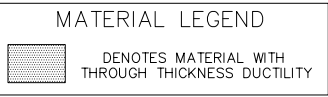
MATERIAL LEGEND

 DENOTES MATERIAL WITH THROUGH THICKNESS DUCTILITY

LEGEND

A-1 DENOTES JOINT DETAIL

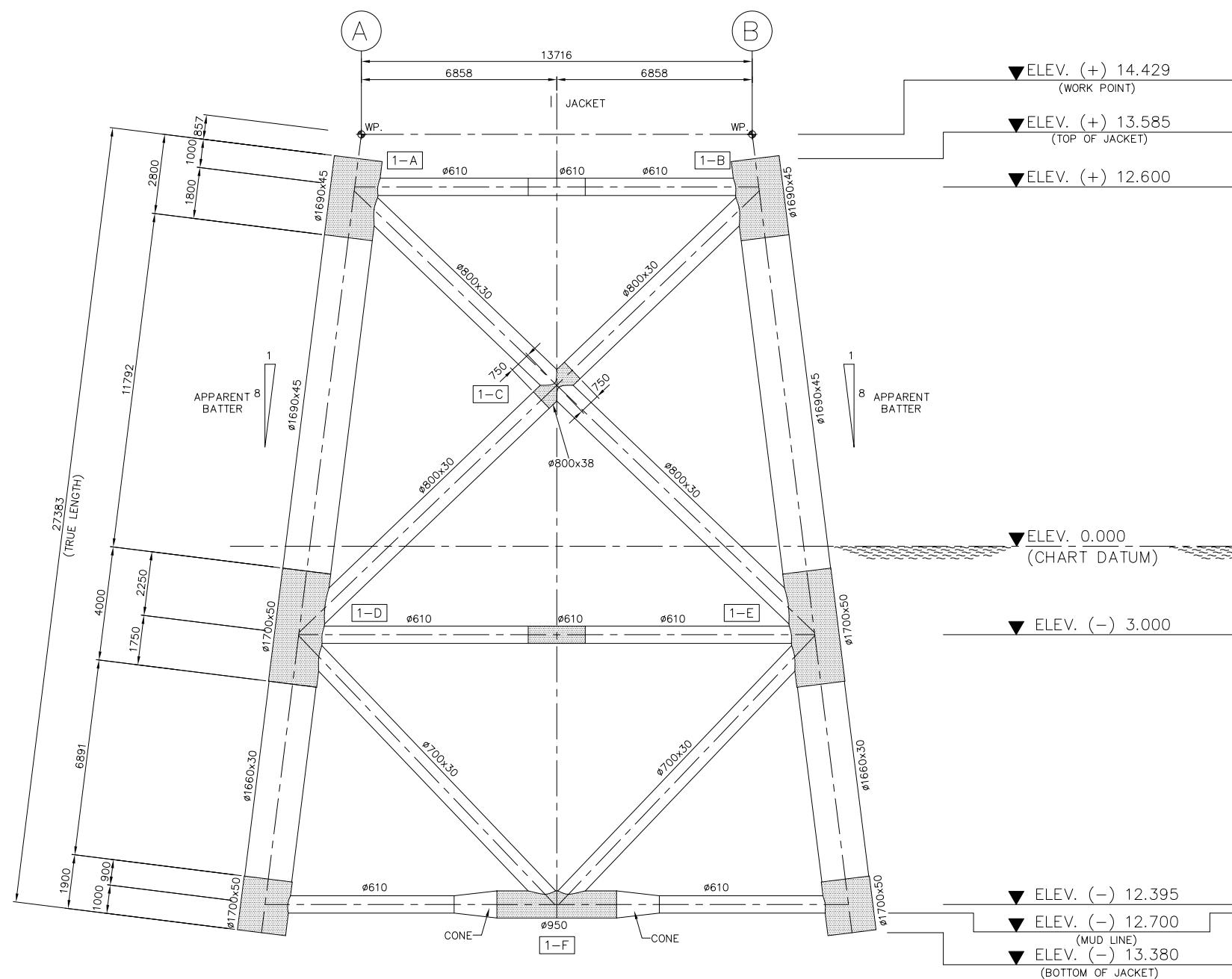
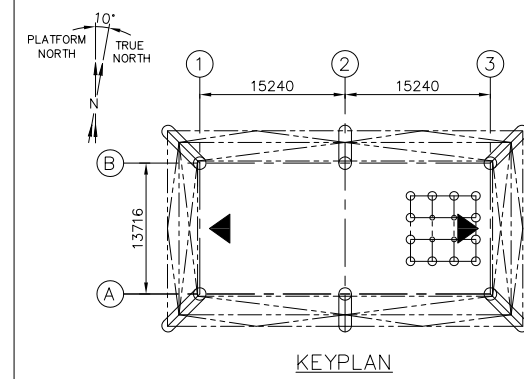
1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001 2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. 4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.				DISC. ARCH. CONST. ELECT. INSTR. MECH. PIPING PROCESS SAFETY STRUC.		SIGN. 		DATE 		0 APPROVED FOR CONSTRUCTION		13.05.03		DRAWN CHECK DISC. APPR. PROJ. APPR. CLIENT APPR.		  		AKER KVAERNER™ Kvaerner E&C Singapore Pte Ltd PROJECT TITLE : HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM		KECS PROJECT : 4410.01		SIZE : A1 SCALE : 1 : 100		TITLE : JACKET FRAMING ELEVATION ROW 'A'		CAD FILENAME : DWG-HA-S-7004_0		DRAWING NO. DWG-HA-S-7004		REV. 0	
GENERAL NOTES				REFERENCE DRAWING TITLE		DRAWING NO.		COUNTER SIGN		REV.		DESCRIPTION		DATE		DRAWN		CHECK		DISC. APPR.		PROJ. APPR.		CLIENT APPR.		CAD FILENAME : DWG-HA-S-7004_0		DRAWING NO. DWG-HA-S-7004		REV. 0	



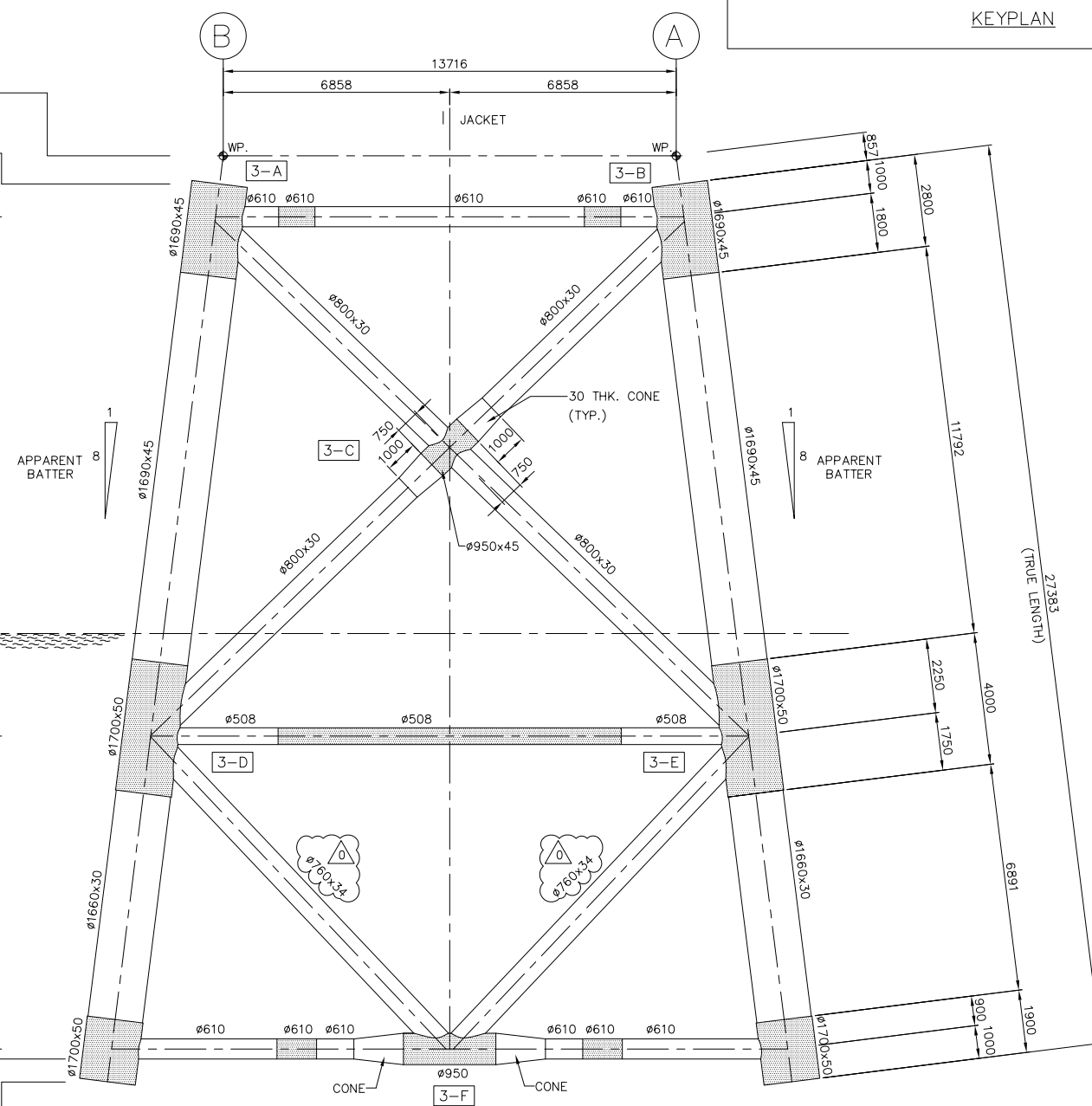
B-1 DENOTES JOINT DETAIL

COMPANY APPROVAL	
SIGN:	DATE:

1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001 2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. 4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.			DISC.		SIGN.	DATE																	
			ARCH.																				
			JACKET JOINT DETAILS (SHT. 2 OF 2)	DWG-HA-S-7013	CONST.														AKER KVAERNER™ Kvaerner E&C Singapore Pte Ltd PROJECT TITLE : HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM				
			JACKET JOINT DETAILS (SHT. 1 OF 2)	DWG-HA-S-7012	ELECT.																		
			JACKET HORIZONTAL FRAMING AT EL (-) 12.395	DWG-HA-S-7010	INSTR.																		
			JACKET HORIZONTAL FRAMING AT EL (-) 3.000	DWG-HA-S-7009	MECH.																		
			JACKET HORIZONTAL FRAMING AT EL (+) 12.600	DWG-HA-S-7008	PIPING																		
			JACKET FRAMING ELEVATION ROW '2'	DWG-HA-S-7007	PROCESS																		
			JACKET FRAMING ELEVATION ROW '1' & '3'	DWG-HA-S-7006	SAFETY																		
JACKET WELDING DETAILS	DWG-HA-S-7003	STRUC.				0	APPROVED FOR CONSTRUCTION	13.05.03															
GENERAL NOTES			REFERENCE DRAWING TITLE			DRAWING NO.		COUNTER SIGN		REV.	DESCRIPTION			DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.	CAD FILENAME : DWG-HA-S-7005_0	DRAWING NO. DWG-HA-S-7005		REV. 0



ELEVATION ROW '1'
(HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY)



ELEVATION ROW '3'
(HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY)

MATERIAL LEGEND

 DENOTES MATERIAL WITH THROUGH THICKNESS DUCTILITY

LEGEND

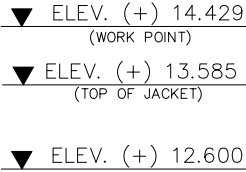
1-A DENOTES JOINT DETAIL

COMPANY APPROVAL	
SIGN:	DATE:

1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001 2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. 4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
GENERAL NOTES

[illegible]

 			
AKER KVAERNER™		Kvaerner E&C Singapore Pte Ltd	
PROJECT TITLE : HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM			
KECS PROJECT : 4410.01	SIZE : A1 SCALE : 1 : 100	TITLE : JACKET FRAMING ELEVATION ROW '1' & '3'	
CAD FILENAME : DWG-HA-S-7006_0		DRAWING NO. DWG-HA-S-7006	REV. 0



(HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY)

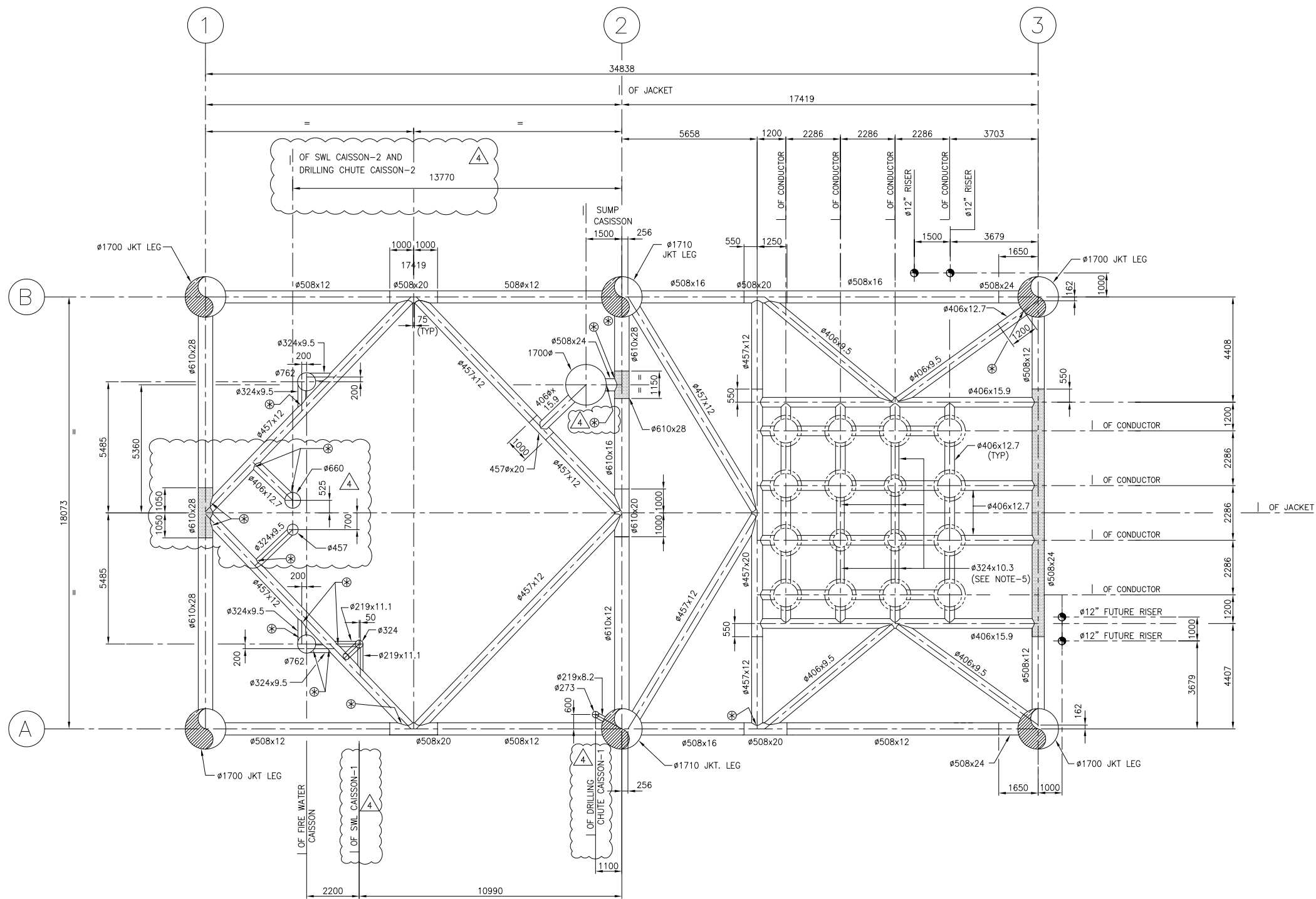
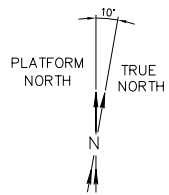


DENOTES MATERIAL WITH
THROUGH THICKNESS DUCTILITY

2-A DENOTES JOINT DETAIL

COMPANY APPROVAL
SIGN: _____ DATE: _____

[illegible]



– LOCATIONS MARKED ⊗ THUS REQUIRE PROFILE GRINDING

MATERIAL LEGEND

 DENOTES MATERIAL WITH THROUGH THICKNESS DUCTILITY

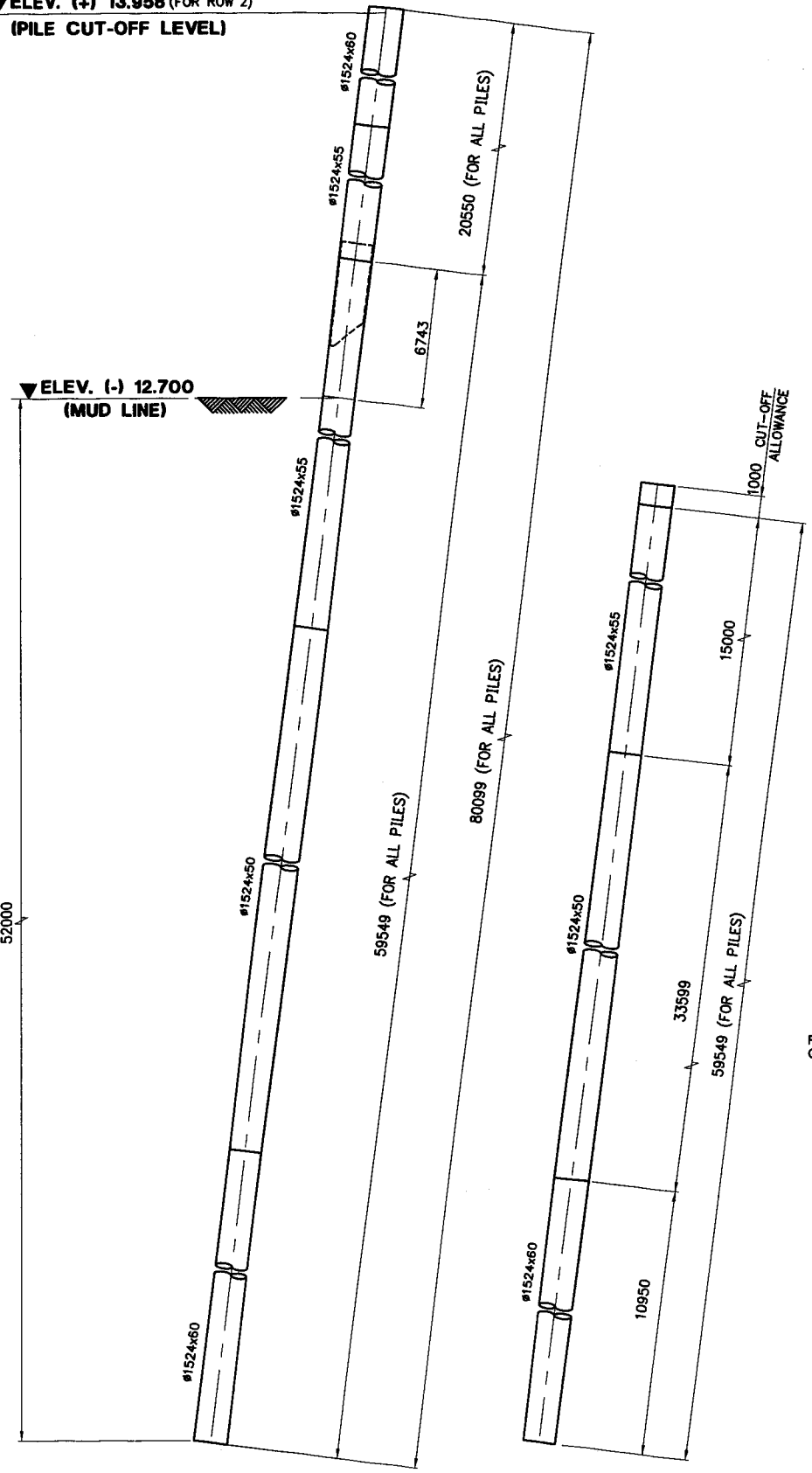
HORIZONTAL FRAMING AT EL. (-) 3.000

COMPANY APPROVAL	
SIGN:	DATE:

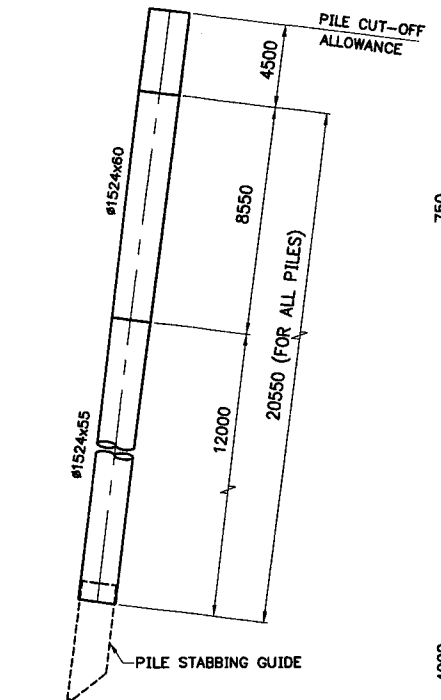
[illegible]

ELEV. (+) 13.961 (FOR ROW 1 & 3)
ELEV. (+) 13.958 (FOR ROW 2)
(PILE CUT-OFF LEVEL)

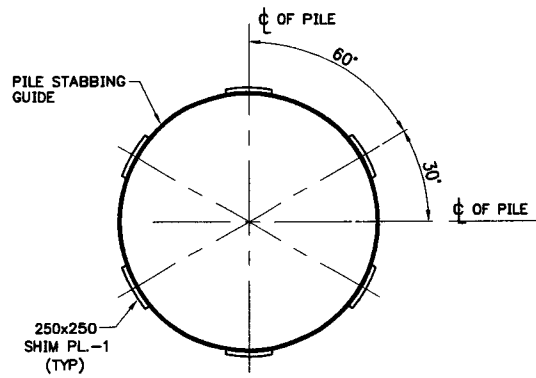
ELEV. (-) 12.700
(MUD LINE)



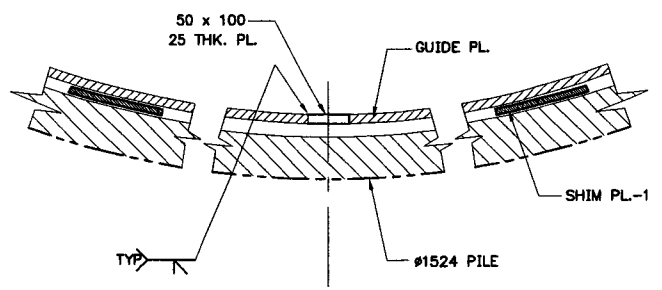
PILE SECTION P1
ELEVATION OF PILES A1, A2, A3, B1, B2, B3
(6 NOS. REQD)



PILE SECTION P2

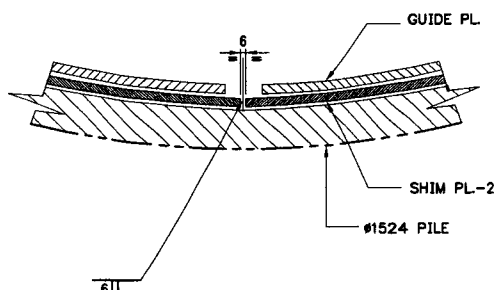


SECTION A
SCALE 1 : 20

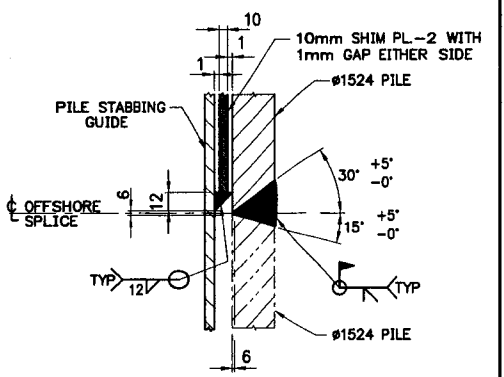


SECTION B
SCALE : NTS

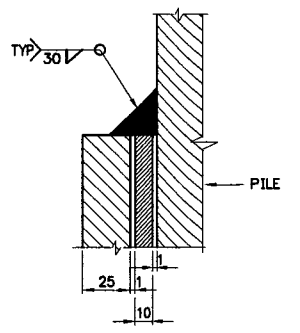
ELEVATION OF PILE STABBING GUIDE
SCALE 1 : 20



SECTION C
SCALE : NTS



DETAIL 1
SCALE : NTS



DETAIL 2
SCALE : NTS

1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001
2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
5. CUT OFF ALLOWANCE SHALL BE VERIFIED BY THE INSTALLATION CONTRACTOR
6. PILE MAKE UP TO BE CONFIRMED BY THE INSTALLATION CONTRACTOR BASED ON THE INSTALLATION METHOD / CRITERIA
7. PILE SECTIONS P1 AND P2 TO BE MATCH MARKED FOR EACH JACKET LEG.
8. FABRICATION CONTRACTOR TO DETERMINE THE THICKNESS TO OBTAIN ANNULAR GAP OF 5mm BETWEEN SHIM PL. AND I.D. OF PILE SECTION P1. ANNULAR GAP TO BE DETERMINED BY DIMENSIONAL SURVEY BETWEEN STABBING GUIDE AND TOP OF PILE SECTION P1.

GENERAL NOTES

REFERENCE DRAWING TITLE	DRAWING NO.	COUNTER SIGN	REV.	DESCRIPTION	DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.
JACKET PILE MAKE-UP & DETAILS - (SHT. 2 OF 2)	DWG-HA-S-7015.02									
JACKET FRAMING ELEVATION ROW 'B'	DWG-HA-S-7005									
JACKET FRAMING ELEVATION ROW 'A'	DWG-HA-S-7004									
JACKET WELDING DETAILS	DWG-HA-S-7003									

DISC.	SIGN.	DATE	REV.	DESCRIPTION	DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.
ARCH.										
CONST.										
ELECT.										
INSTR.										
MECH.										
PIPING										
PROCESS										
SAFETY										
STRUC.										

COMPANY APPROVAL	
SIGN:	DATE:

GENERALLY REVISED

 			
AKER KVERNER™ Kvaerner E&C Singapore Pte Ltd			
PROJECT TITLE : HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM			
ECS PROJECT : 4410.01	SIZE : A1 SCALE : 1 : 150	TITLE : JACKET PILE MAKE-UP DETAILS (SHT. 1 OF 2)	
CAD FILENAME :		DRAWING NO.	REV.



▼ **ELEV. (+) 13.585**
(TOP OF JACKET)

▼ ELEV. (+) 12.600

▼ ELEV. 0.000
(CHART DATUM)

▼ **ELEV. (-) 3.000**

▼ ELEV. (-) 12.395

▼ ELEV. (-) 12.700
(MUD LINE)

▼ **ELEV. (-) 13.380**
(BOTTOM OF JACKET)

ANODE (TYP)

ELEVATION ROW 'A'

TOTAL ANODES (IN THIS DRAWING) = 12 NOS

COMPANY APPROVAL

SIGN:	DATE:
-------	-------

GSPC  **NIKO RESOURCES LTD**



CLOUGH
TIME

AKER KVAERNER™ Kvaerner E&C Singapore Pte Ltd

PROJECT TITLE :	HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM
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KEYS PROJECT :	SIZE :	TITLE :
4410.01	A1	JACKET ANODE DETAILS ROW 'A'
	SCALE :	
	1 : 100	

CAD FILENAME : DWG-HA-S-7023_0	DRAWING NO. DWG-HA-S-7023	REV. 0
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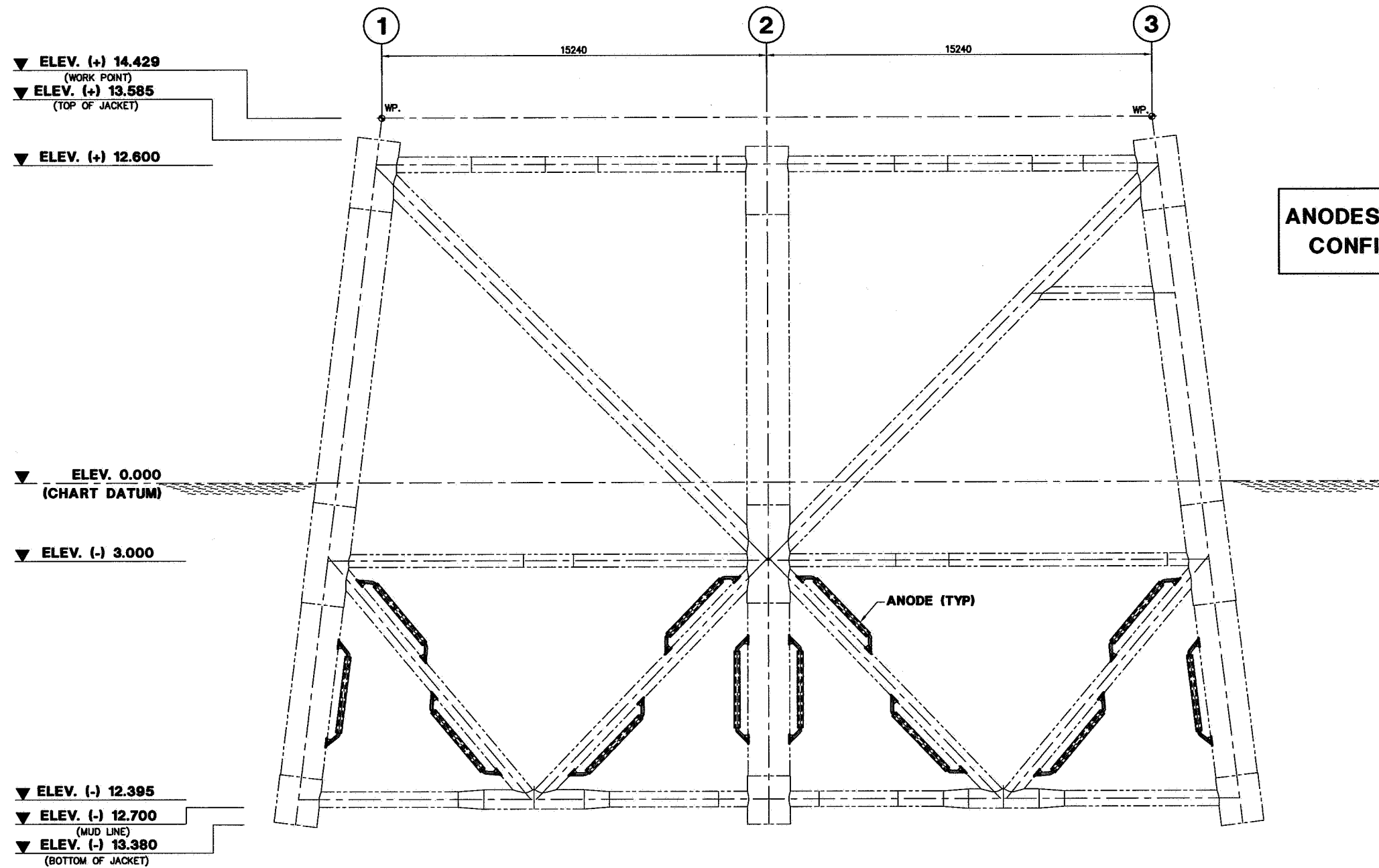
1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001.
2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.

1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001.
2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.

TYPICAL ANODE DETAILS	DWG-HA-S-7027
JACKET WELDING DETAILS	DWG-HA-S-7003
REFERENCE DRAWING TITLE	DRAWING NO.

DISC.	SIGN.	DATE								
ARCH.										
CONST.										
ELECT.										
INSTR.										
MECH.										
PIPING										
PROCESS										
SAFETY										
STRUC.			0	APPROVED FOR CONSTRUCTION	14.05.03	<i>my</i>	<i>llh</i>	<i>13</i>	<i>14</i>	
COUNTER SIGN	REV.	DESCRIPTION			DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.

 			
AKER KVERNER™		Kvaerner E&C Singapore Pte Ltd	
PROJECT TITLE : HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM			
KECS PROJECT : 4410.01	SIZE : A1 SCALE : 1 : 100	TITLE : JACKET ANODE DETAILS ROW 'A'	
CAD FILENAME : DWG-HA-S-7023_0		DRWG NO. DWG-HA-S-7023	REV. 0

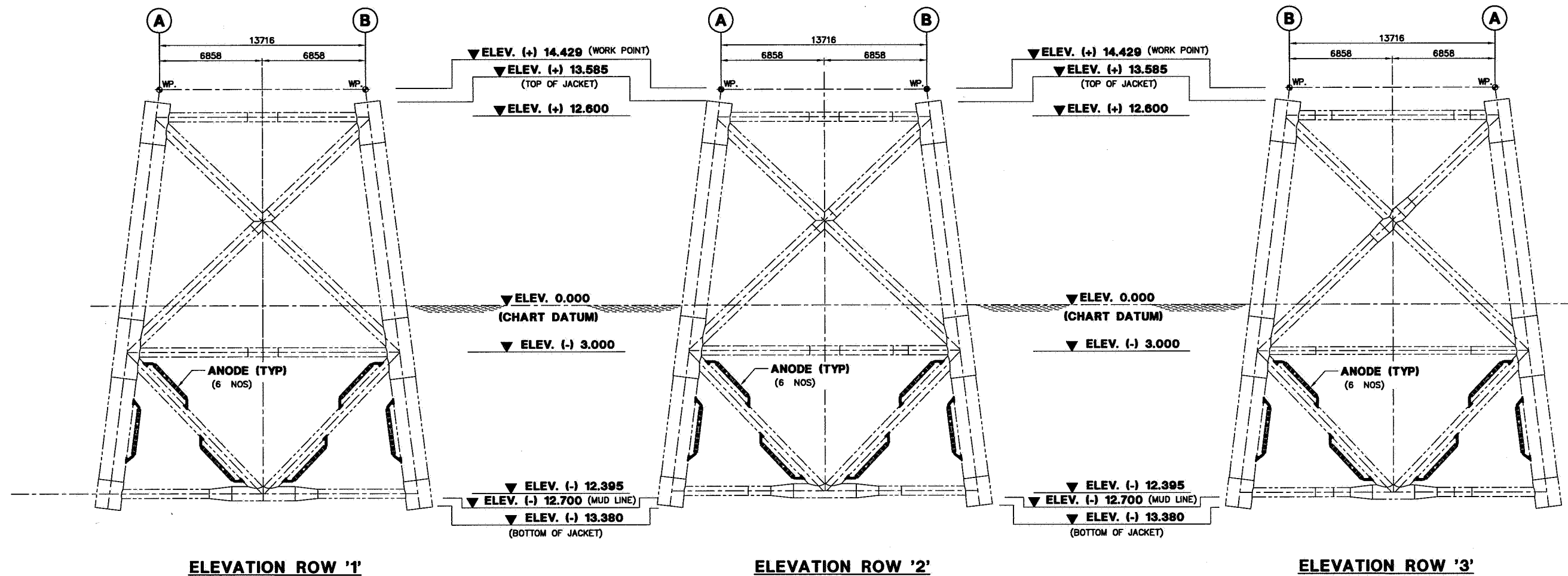
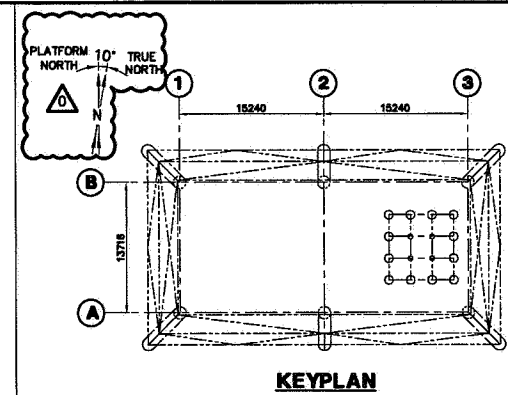


ELEVATION ROW 'B'

TOTAL ANODES (IN THIS DRAWING) = 12 NOS

COMPANY APPROVAL	
SIGN:	DATE:

1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001. 2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002. 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. 4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.				DISC.	SIGN.	DATE													GSPC NIKO RESOURCES LTD CLOUGH
				ARCH.															
				CONST.															
				ELECT.															
				INSTR.															
				MECH.															
				PIPING															
				PROCESS															
				SAFETY															
	TYPICAL ANODE DETAILS	DWG-HA-S-7027	STRUC.				0	APPROVED FOR CONSTRUCTION	14.05.03										
	JACKET WELDING DETAILS	DWG-HA-S-7003																	
GENERAL NOTES	REFERENCE DRAWING TITLE	DRAWING NO.	COUNTER SIGN	REV.	DESCRIPTION	DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.	CAD FILENAME : DWG-HA-S-7024_0	DRAWING NO. DWG-HA-S-7024	REV. 0					

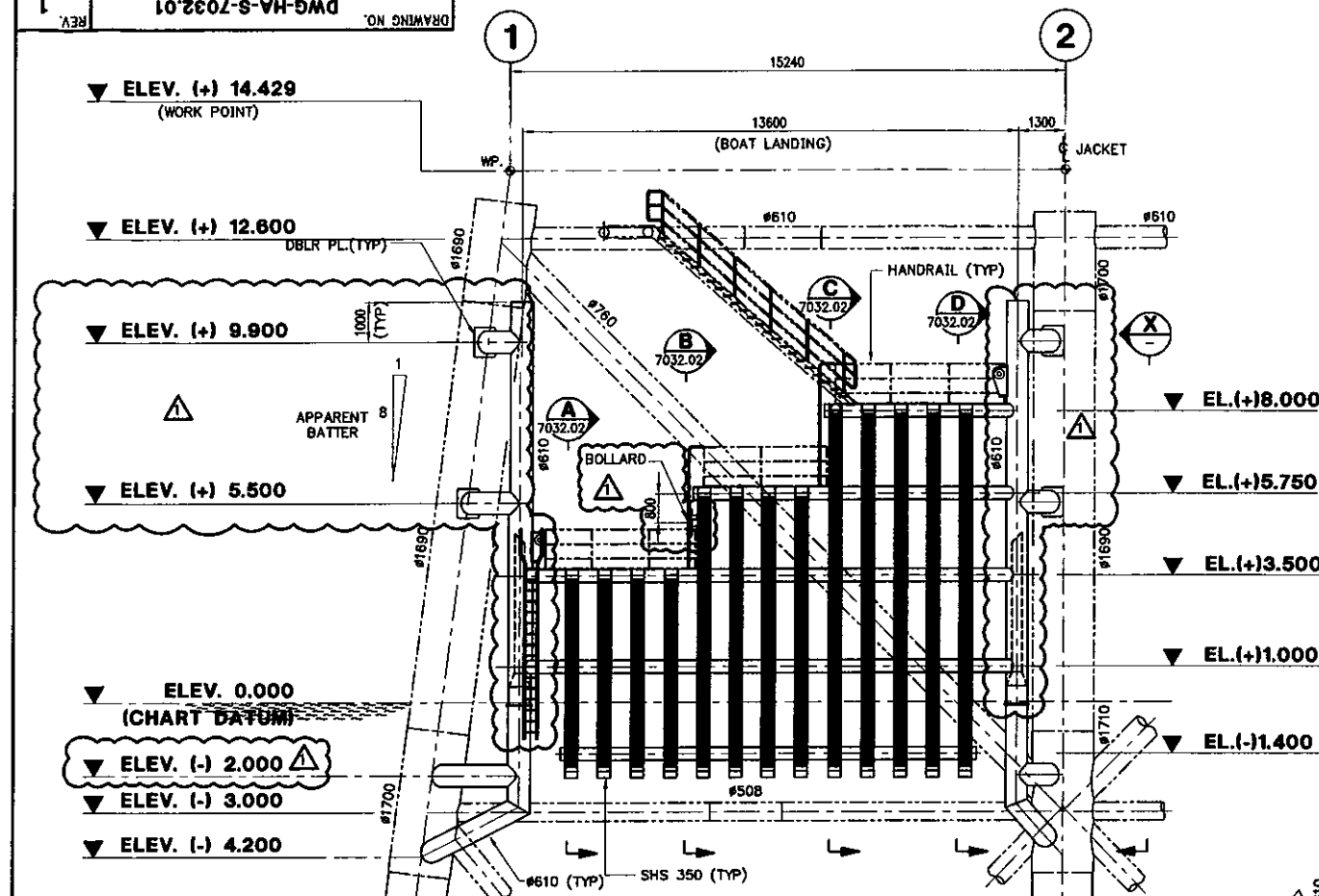


TOTAL ANODES (IN THIS DRAWING) = 18 NOS

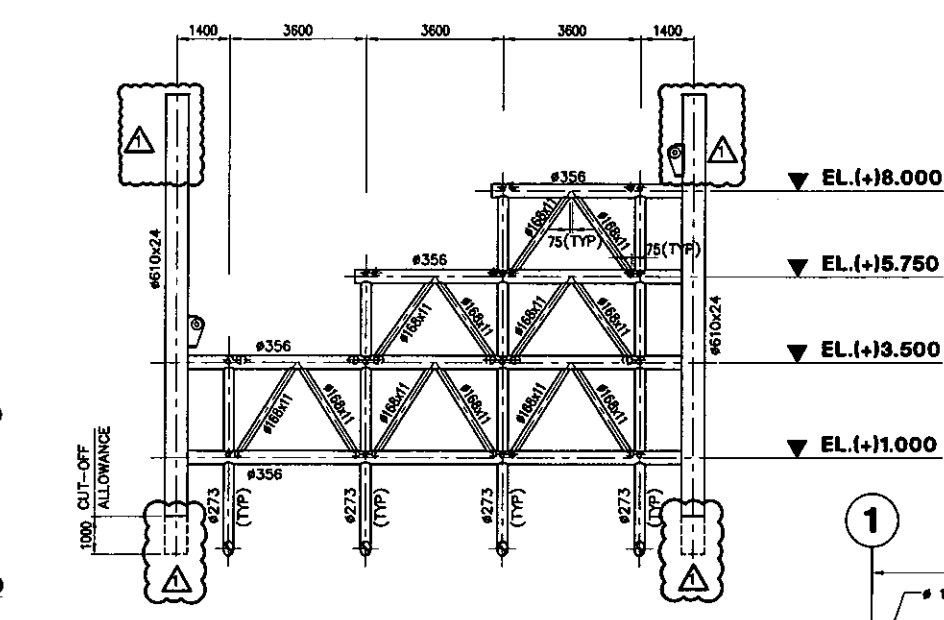
**ANODES SIZE AND NUMBERS TO BE
CONFIRMED BY ANODE VENDOR**

COMPANY APPROVAL	
SIGN:	DATE:

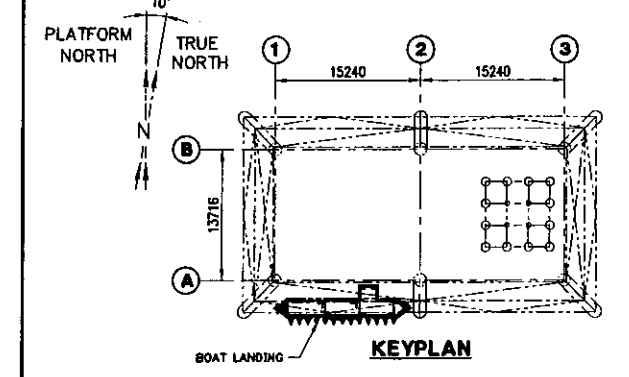
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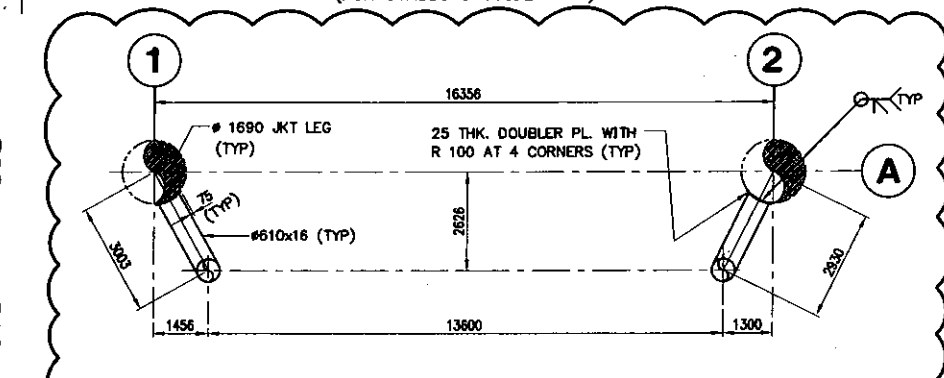
BOAT LANDING ELEVATION
SCALE 1 : 100



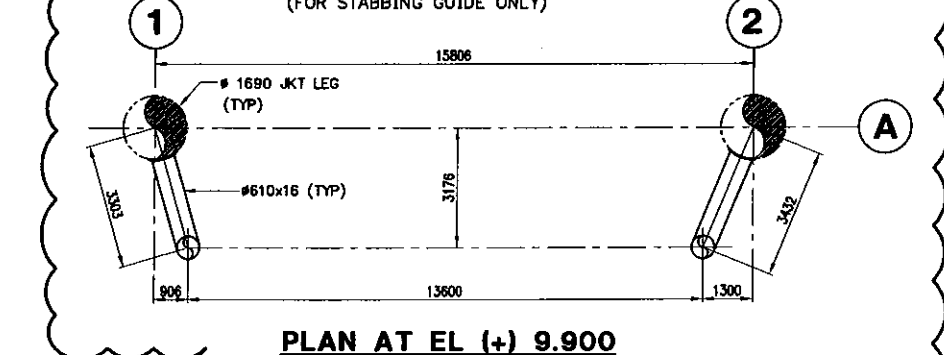
REAR FRAMING
SCALE 1 : 100



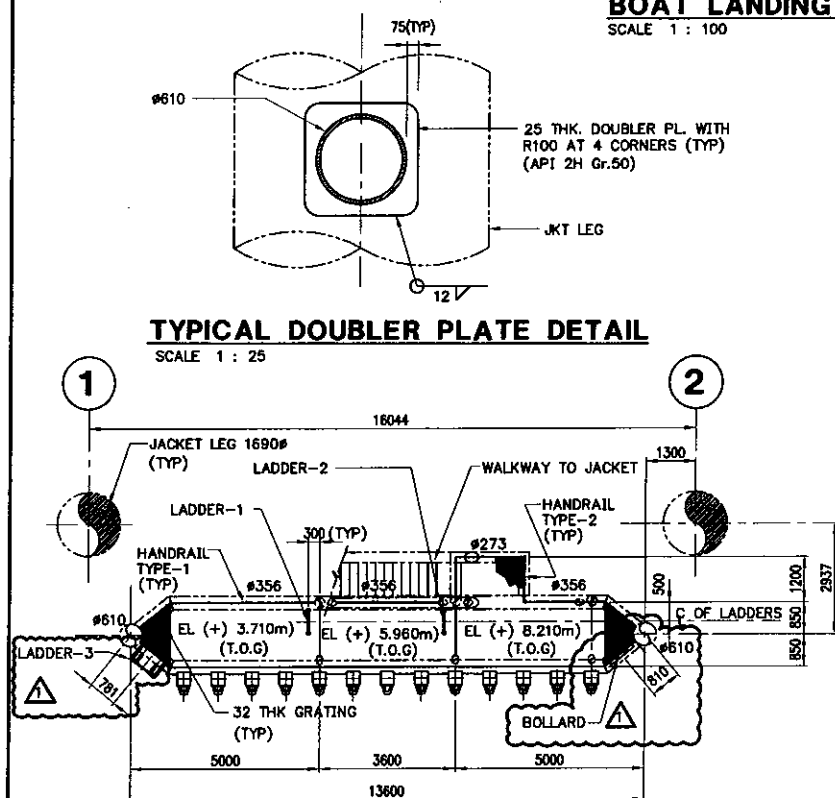
PLAN AT EL. (-) 2.000
SCALE 1 : 100
(FOR STABBING GUIDE ONLY)



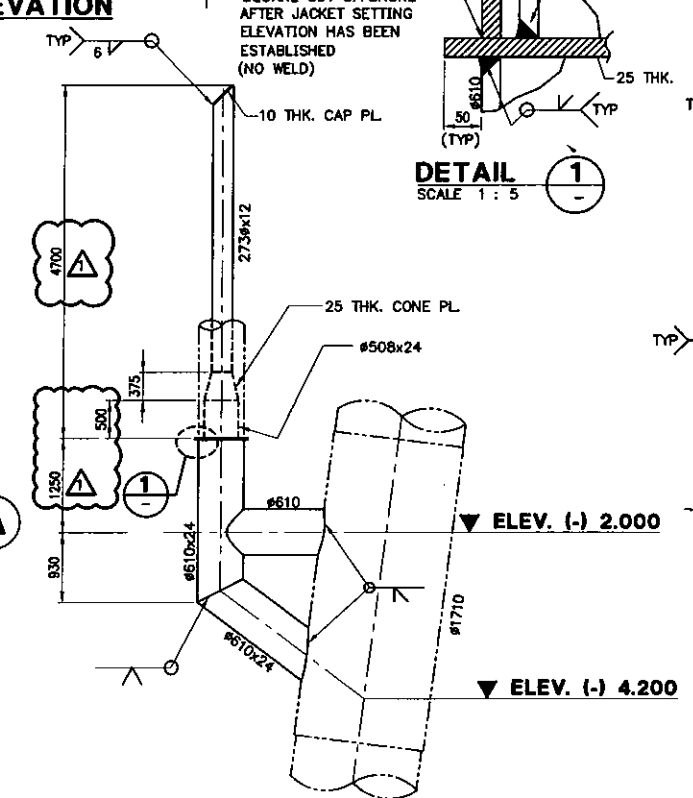
PLAN AT EL. (+) 5.500
SCALE 1 : 100
(FOR STABBING GUIDE ONLY)



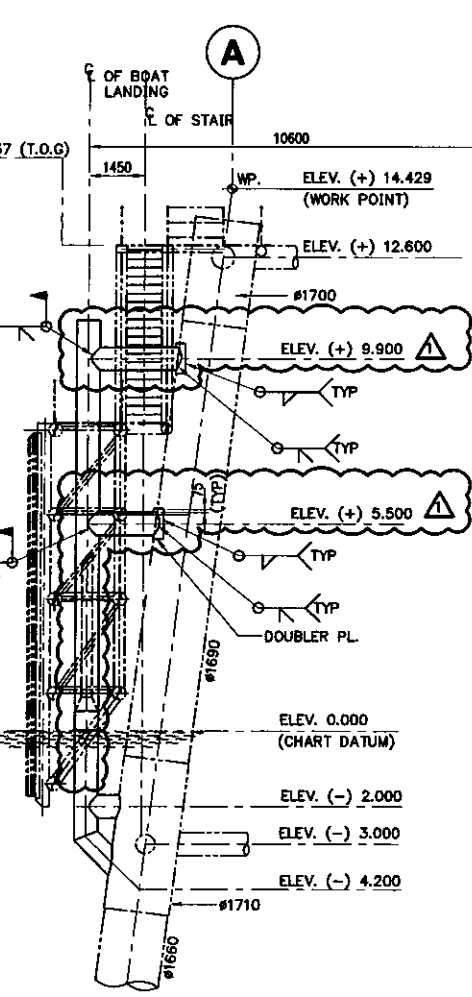
PLAN AT EL. (+) 9.900
SCALE 1 : 100
(FOR STABBING GUIDE ONLY)



TYPICAL DOUBLER PLATE DETAIL
SCALE 1 : 25



STABBING GUIDE DETAIL
SCALE 1 : 50



VIEW X
SCALE 1 : 100

GRATING & HANDRAIL LAYOUT OF BOAT LANDING PLATFORMS @ EL. (+) 8.000
SCALE 1 : 100

1. FOR DRAWING LISTS, REFER DWG. NO. DWG-HA-S-7001.
2. FOR GENERAL NOTES, REFER TO DWG. NO. DWG-HA-S-7002.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. ALL LEVELS INDICATED ARE IN METRES UNLESS NOTED OTHERWISE.

DISC.	SIGN.	DATE	REV.	DESCRIPTION	DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.
ARCH.										
CONST.										
ELECT.										
INSTR.										
MECH.										
PIPING										
PROCESS										
SAFETY										
STRUC.										

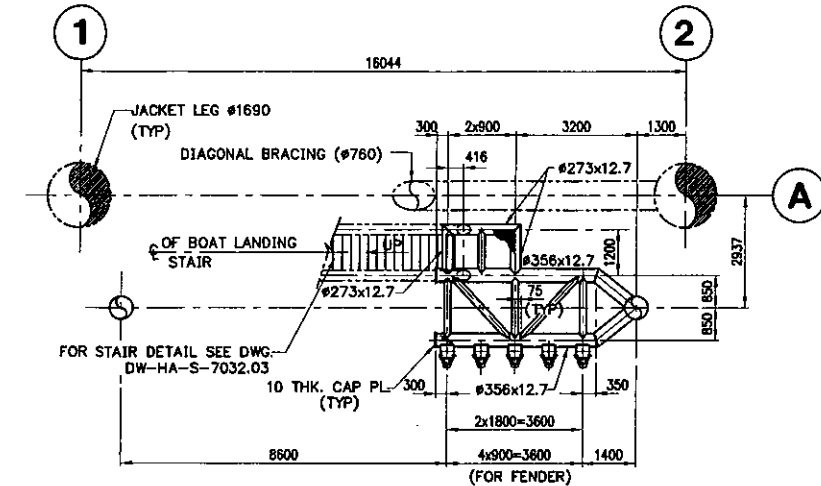
GSPC **CLOUGH**

AKER KVERNER Kvaerner E&C Singapore Pte Ltd

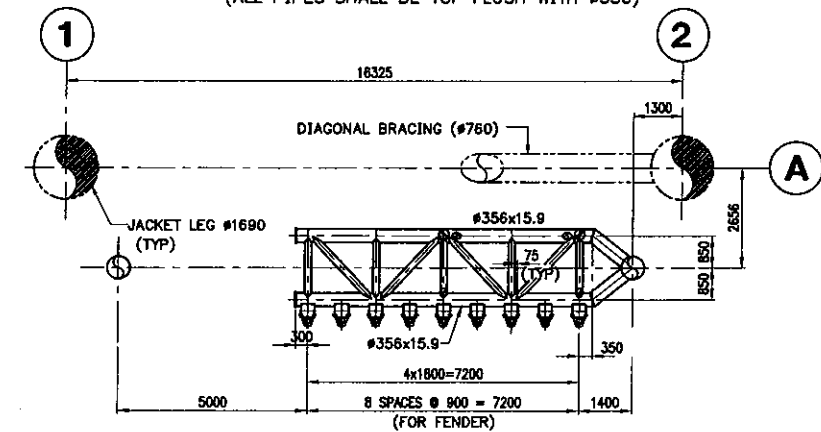
PROJECT TITLE : **HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM**

KECS PROJECT : 4410.01 SIZE : A1 TITLE : **BOAT LANDING DETAILS (SHT 1 OF 4)**

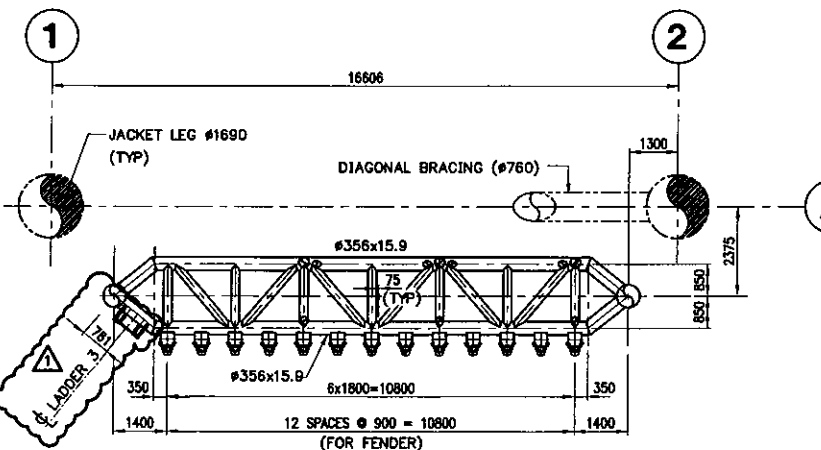
CAD FILENAME : DWG-HA-S-7032.01_1 DRAWING NO. **DWG-HA-S-7032.01** REV. **1**



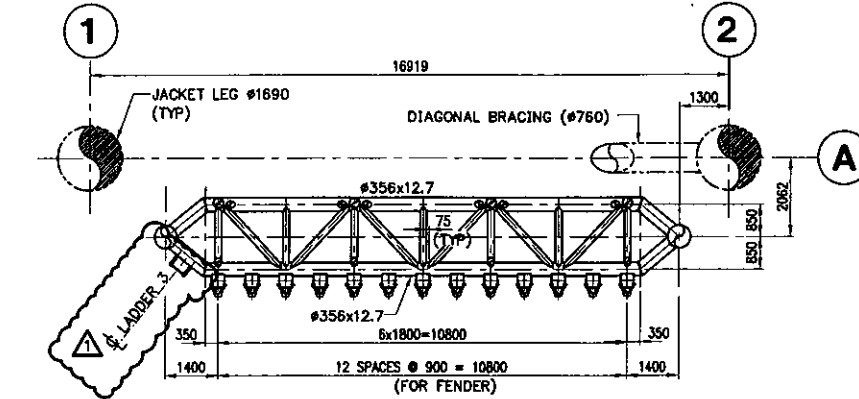
PLAN AT EL (+) 8.000
SCALE 1 : 100
(ALL MEMBERS ARE Ø168x11 U.N.O)
(ALL PIPES SHALL BE TOP FLUSH WITH Ø356)



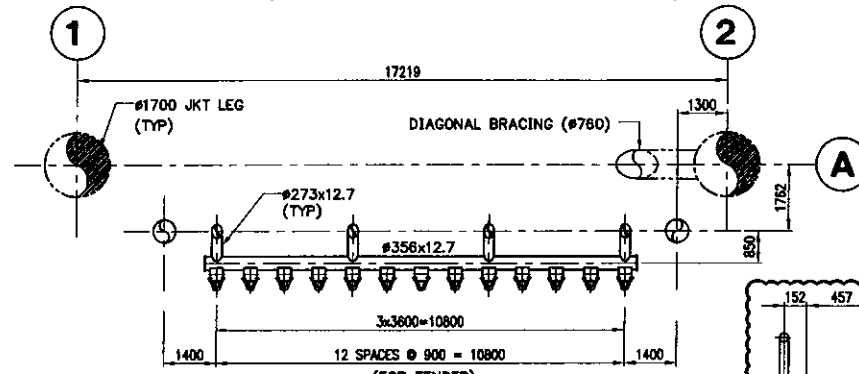
PLAN AT EL (+) 5.750
SCALE 1 : 100
(ALL MEMBERS ARE Ø168x11 U.N.O)
(ALL PIPES SHALL BE TOP FLUSH WITH Ø356)



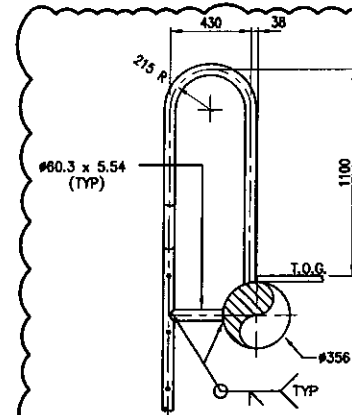
PLAN AT EL (+) 3.500 m
SCALE 1 : 100
(ALL MEMBERS ARE Ø219x9.5 U.N.O)
(ALL PIPES SHALL BE TOP FLUSH WITH Ø356)



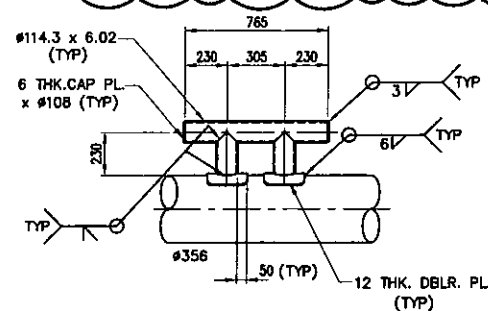
PLAN AT EL (+) 1.000
SCALE 1 : 100
(ALL MEMBERS ARE Ø168x11 U.N.O)
(ALL PIPES SHALL BE TOP FLUSH WITH Ø356)



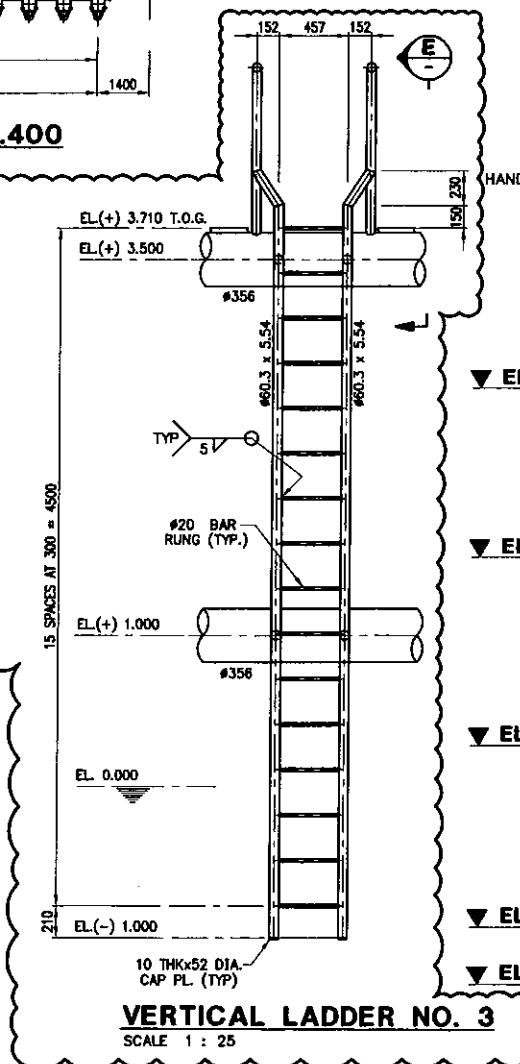
PLAN AT
SCALE 1 : 100



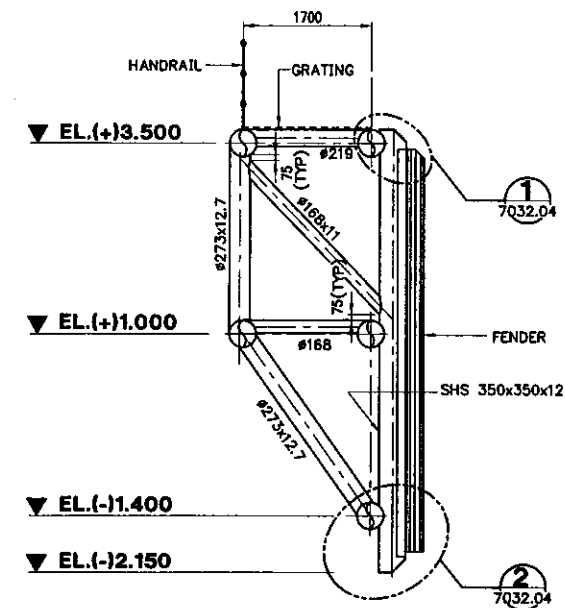
SECTION E
SCALE 1 : 20



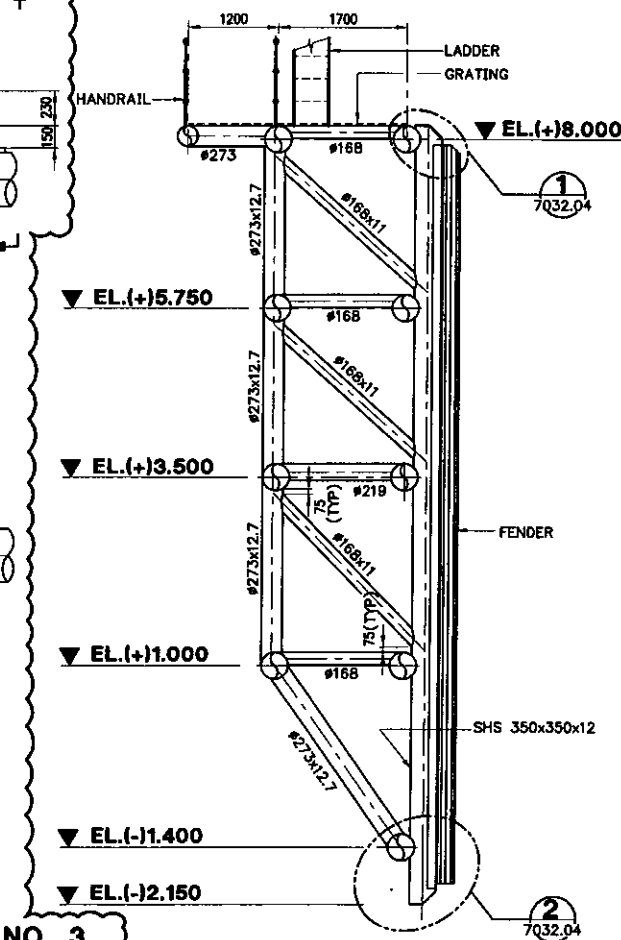
BOLLARD DETAIL
SCALE 1 : 20
CATION, SEE DWG. NO. DWG-HA-S-7032.01



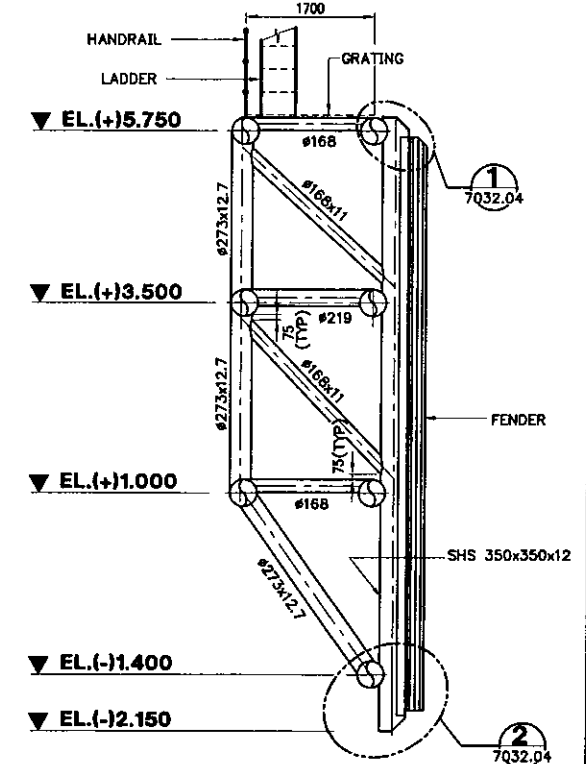
VERTICAL LADDER NO. 3
SCALE 1 : 25



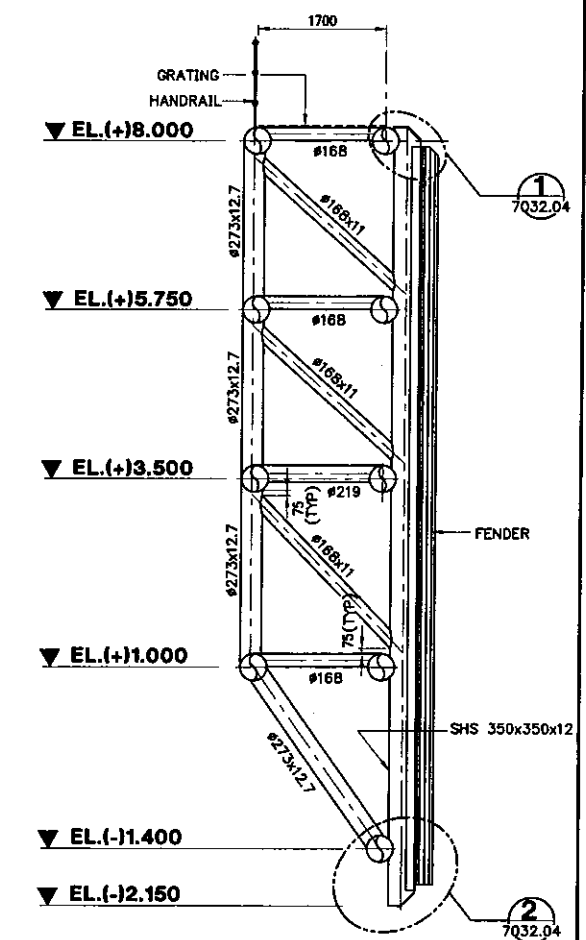
SECTION A
SCALE 1 : 50 7032.01



SECTION C
SCALE 1 : 50 7032.01



SECTION B
SCALE 1 : 50 7032.01



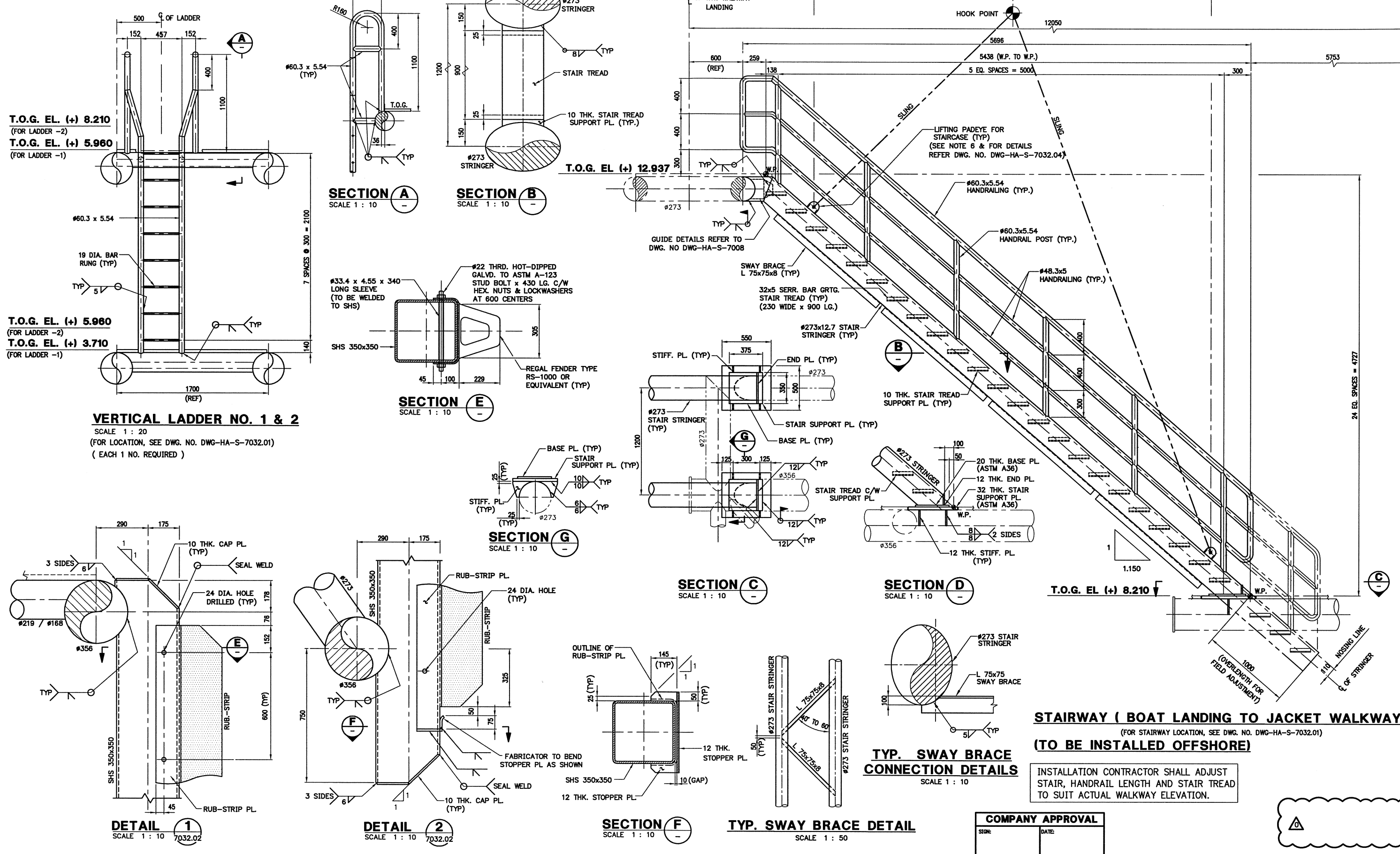
SECTION D
SCALE 1 : 50 7032.01

COMPANY APPROVAL	
SIGN:	DATE:

1. FOR DRAWING LISTS, REFER DWG. NO. DWG-HA-S-7001.
2. FOR GENERAL NOTES, REFER TO DWG. NO. DWG-HA-S-7002.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. ALL LEVELS INDICATED ARE IN METRES UNLESS NOTED OTHERWISE.
5. FOR HANDRAILS DETAILS REFER DWG. NO. DWG-HA-S-7029.02.

[illegible]

 			
AKER KVAERNER™ Kvaerner E&C Singapore Pte Ltd			
PROJECT TITLE : HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM			
KECS PROJECT : 4410.01		SIZE : A1 SCALE : 1:100	
		TITLE : BOAT LANDING DETAILS (SHT. 2 OF 4)	
CAD FILENAME : DWG-HA-S-7032.02_1		DRAWING NO. DWG-HA-S-7032.02	
		REV. 1	



- FOR DRAWING LISTS, REFER DWG. NO. DWG-HA-S-7001.
- FOR GENERAL NOTES, REFER TO DWG. NO. DWG-HA-S-7002.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS INDICATED ARE IN METRES UNLESS NOTED OTHERWISE.
- FOR HANDRAILS DETAILS REFER DWG. NO. DWG-HA-S-7029.02.
- THE LIFTING ARRANGEMENT IS INDICATIVE. INSTALLATION CONTRACTOR TO FINALISE THE DETAILS.

GENERAL NOTES	REFERENCE DRAWING TITLE	DRAWING NO.	COUNTER SIGN	REV.	DESCRIPTION	DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.
	JACKET WALKWAY DETAILS (SHT. 2 OF 2)	DWG-HA-S-7029.02									
	JACKET WALKWAY DETAILS (SHT. 1 OF 2)	DWG-HA-S-7029.01									
	BOAT LANDING DETAILS (SHT. 4 OF 4)	DWG-HA-S-7032.04									
	BOAT LANDING DETAILS (SHT. 2 OF 4)	DWG-HA-S-7032.02									
	BOAT LANDING DETAILS (SHT. 1 OF 4)	DWG-HA-S-7032.01									
	JACKET WELDING DETAILS	DWG-HA-S-7003									

1	RE-ISSUED FOR CONSTRUCTION	05.08.03									
0	APPROVED FOR CONSTRUCTION	19.06.03	ANBA	AGR	BG	BH	JN				

GSPC

NIRO RESOURCES LTD

AKER KVAERNER

Kvaerner E&C Singapore Pte Ltd

PROJECT TITLE :

HAZIRA OFFSHORE DEVELOPMENT PROJECT
HAZIRA DRILLING PLATFORM

KECS PROJECT :

4410.01

SIZE :

A1

SCALE :

1:20

TITLE :

BOAT LANDING DETAILS
(SHT. 3 OF 4)

CAD FILENAME :

DWG-HA-S-7032.03_1

DRAWING NO.

DWG-HA-S-7032.03

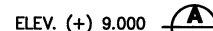
REV.

1



(1 NOS. REQUIRED)

- ### GENERAL NOTES



AS SHOWN AT EL (+) 9.000

DRAWING NO.COUNTER SIGN

GSPC  **NIKO RESOURCES LTD.**



CLOUGH
OFFSHORE

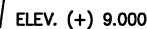
PROJECT TITLE : **HAZIRA OFFSHORE DEVELOPMENT PROJECT**
HAZIRA DRILLING PLATFORM

KECS PROJECT :	SIZE : A1	TITLE :
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4410.01 SCALE : **BARGE BUMPER DETAILS (SHT. 1 OF 2)**

1:25		DRAWING NO. DWG. HA 3 7005 01		REV. 1
CAD FILENAME :				

REV.



SCALE 1 : 25



AS SHOWN AT EL (+) 9.000

9. ALL BOLTS SHALL BE PRE-TENSIONED TO 140 kN OR 70% OF ALLOWABLE LOAD.

BARGE BUMPER DETAILS (SHT. 1 OF 2)
BOAT LANDING DETAILS (SHT. 2 OF 4)
BOAT LANDING DETAILS (SHT. 1 OF 4)
JACKET HORIZONTAL FRAMING AT EL (-) 3.000
JACKET HORIZONTAL FRAMING AT EL (+) 12.600
JACKET WELDING DETAILS

COMPANY APPROVAL

SIGN:	DATE:
-------	-------

DATE	BY
11/11/11	11/11/11

GSPC  **NIKO RESOURCES LTD**

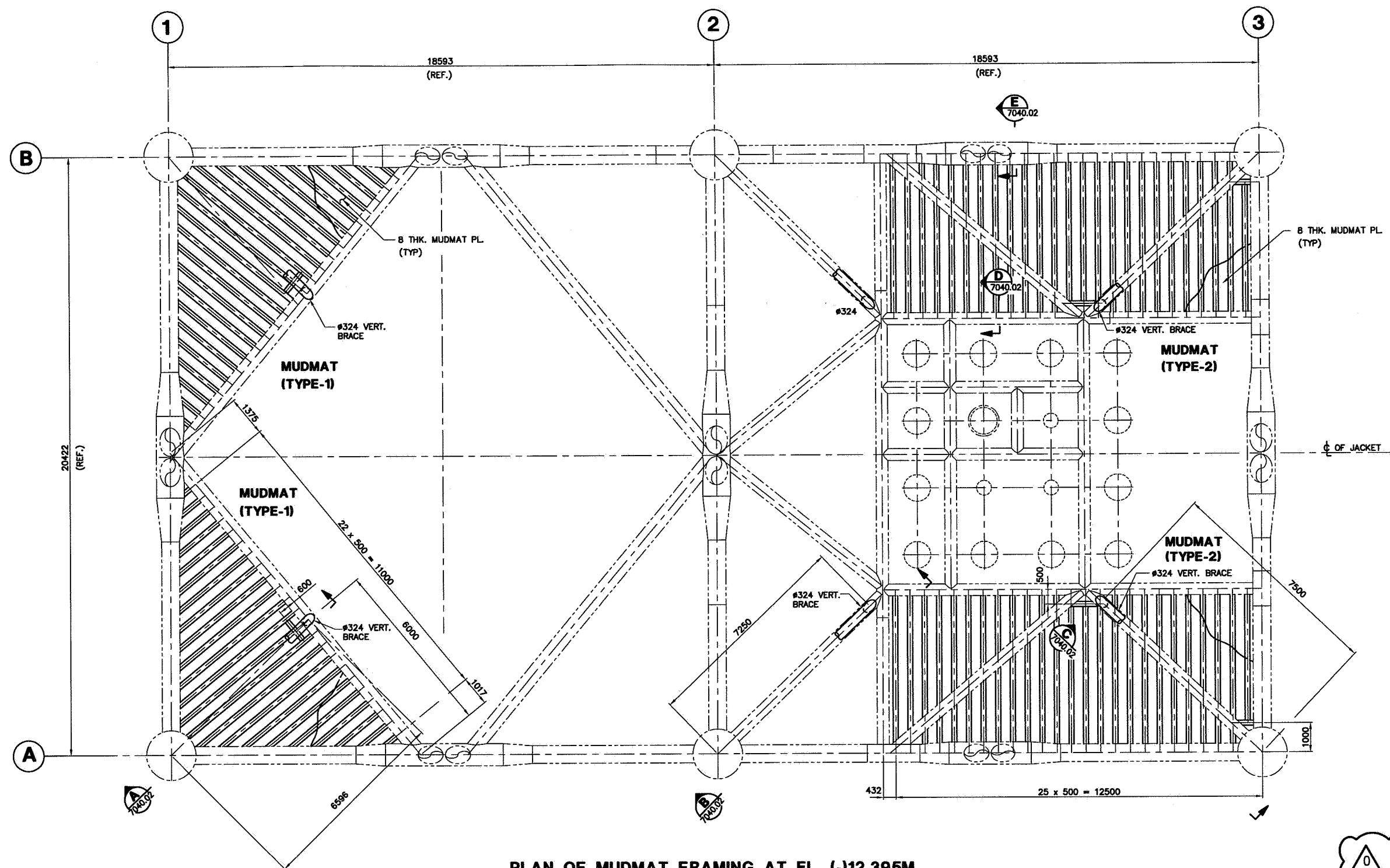
AKER KVAERNER™ Kvaerner E&C Singapore Pte Ltd

PROJECT TITLE : **HAZIRA OFFSHORE DEVELOPMENT PROJECT**
HAZIRA DRILLING PLATFORM

KECS PROJECT :	SIZE : A1	TITLE :
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4410.01 SCALE : **BARGE BUMPER DETAILS (SHT. 2 OF 2)**

CAD FILENAME :	DRAWING NO.	REV.
DWG. NO. 0-7035-02	DWG. NO. 0-7035-02	1

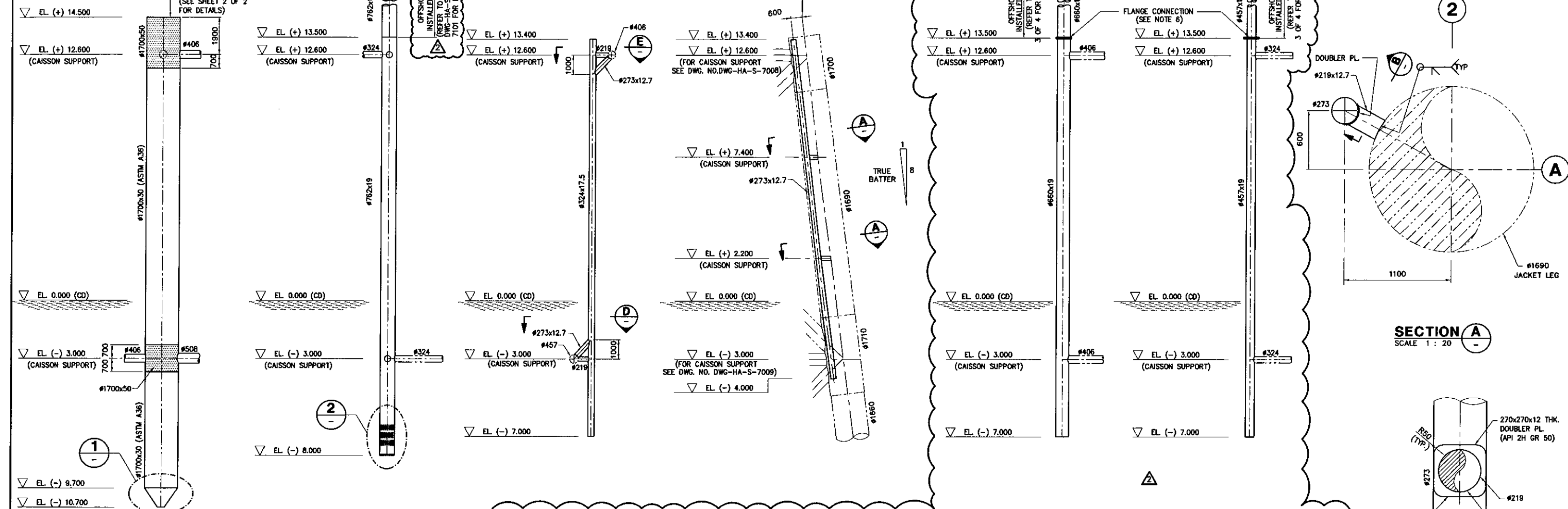


ALL MUDMAT MEMBERS ARE BOTTOM FLUSH WITH Ø610
ALL MUDMAT MEMBERS ARE W14x38 U.N.O

 GENERALLY REVISED

COMPANY APPROVAL	
SIGN:	DATE:

1. FOR DRAWING LISTS, REFER DWG. NO. DWG-HA-S-7001. 2. FOR GENERAL NOTES, REFER TO DWG. NO. DWG-HA-S-7002. 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. 4. ALL LEVELS INDICATED ARE IN METRES UNLESS NOTED OTHERWISE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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SUMP CAISSON
(NO. REQUIRED : 1)

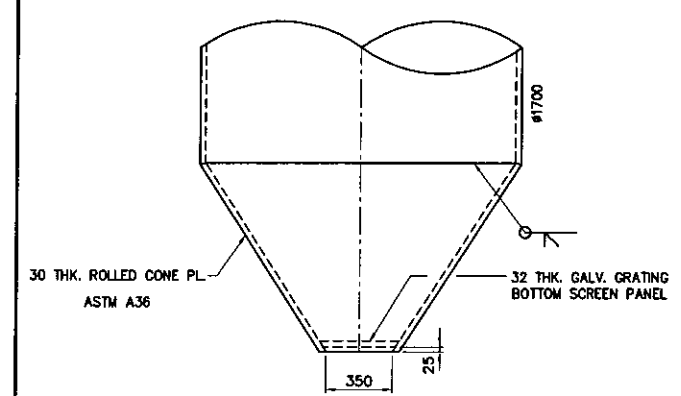
FIREWATER CAISSON
(NOS. REQUIRED : 2)
(MATERIAL: API 5L X 42)

**SEA WATER LIFT
PUMP CAISSON - 1**
(NO. REQUIRED : 1)
(MATERIAL: API 5L X 52)

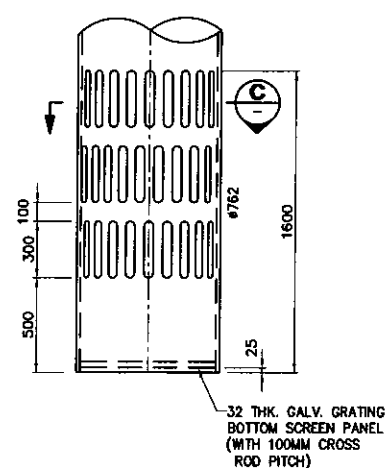
DRILLING CHUTE CAISSON - 1
(NO. REQUIRED : 1)
(MATERIAL: API 5L GR B)

**SEA WATER LIFT
PUMP CAISSON - 2**
(NO. REQUIRED : 1)
(MATERIAL: API 5L GR B)

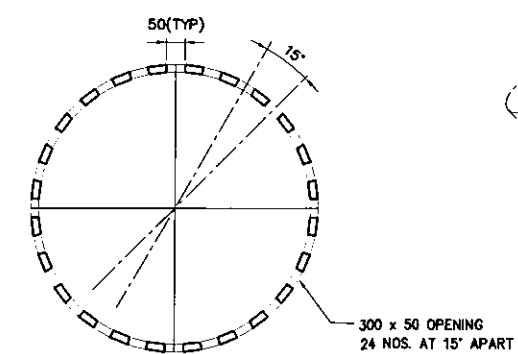
**DRILLING CHUTE
CAISSON - 2**
(NO. REQUIRED : 1)
(MATERIAL: API 5L GR B)



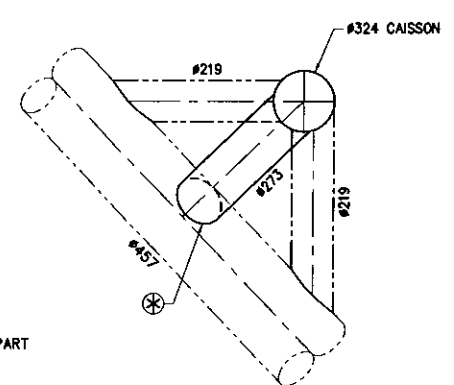
DETAIL 1
SCALE 1 : 20



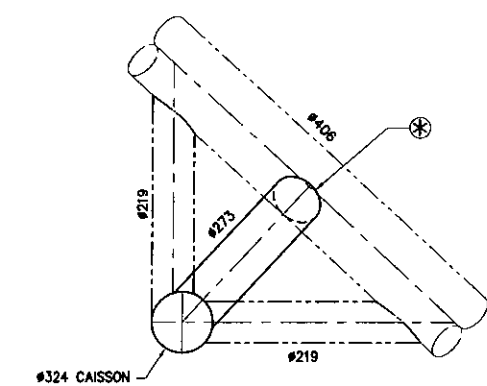
DETAIL 2
SCALE 1 : 20



SECTION C
SCALE 1 : 10



SECTION D
SCALE 1 : 20



SECTION E
SCALE 1 : 20

LEGEND
- LOCATIONS MARKED ⊗ THUS REQUIRE PROFILE GRINDING

MATERIAL LEGEND
DENOTES MATERIAL WITH THROUGH THICKNESS DUCTILITY

1. FOR JACKET DRAWING LIST REFER DWG NO. DWG-HA-S-7001
2. FOR JACKET GENERAL NOTES REFER DWG. NO. DWG-HA-S-7002
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
5. FABRICATOR TO VERIFY ALL SUPPORTS DIMENSION BEFORE FABRICATION
6. FABRICATOR TO ENSURE THE FLANGE CONNECTION SHALL BE ABLE TO ACCOMMODATE THE INSTALLATION TOLERANCE.

GENERAL NOTES

REFERENCE DRAWING TITLE	DRAWING NO.	COUNTER SIGN	REV.	DESCRIPTION	DATE	DRAWN	CHECK	DISC. APPR.	PROJ. APPR.	CLIENT APPR.
CAISSON DETAILS (SHT. 2 OF 4)	DWG-HA-S-7043.02									
JACKET HORIZONTAL FRAMING AT EL. (-) 3.000	DWG-HA-S-7009									
JACKET HORIZONTAL FRAMING AT EL. (+) 12.600	DWG-HA-S-7008									
JACKET FRAMING ELEVATION ROW '2'	DWG-HA-S-7007									
JACKET WELDING DETAILS	DWG-HA-S-7003									

COMPANY APPROVAL	
SIGN:	DATE:
GSPC KLK RESOURCES LTD CLOUGH	
AKER KVAERNER Kvaerner E&C Singapore Pte Ltd	
PROJECT TITLE : HAZIRA OFFSHORE DEVELOPMENT PROJECT HAZIRA DRILLING PLATFORM	
KECS PROJECT : 4410.01	TITLE : CAISSON DETAILS (SHT. 1 OF 4)
SIZE : A1	SCALE : 1 : 100
CAD FILENAME : DWG-HA-S-7043.01_2	DRAWING NO. : DWG-HA-S-7043.01
REV. 2	