

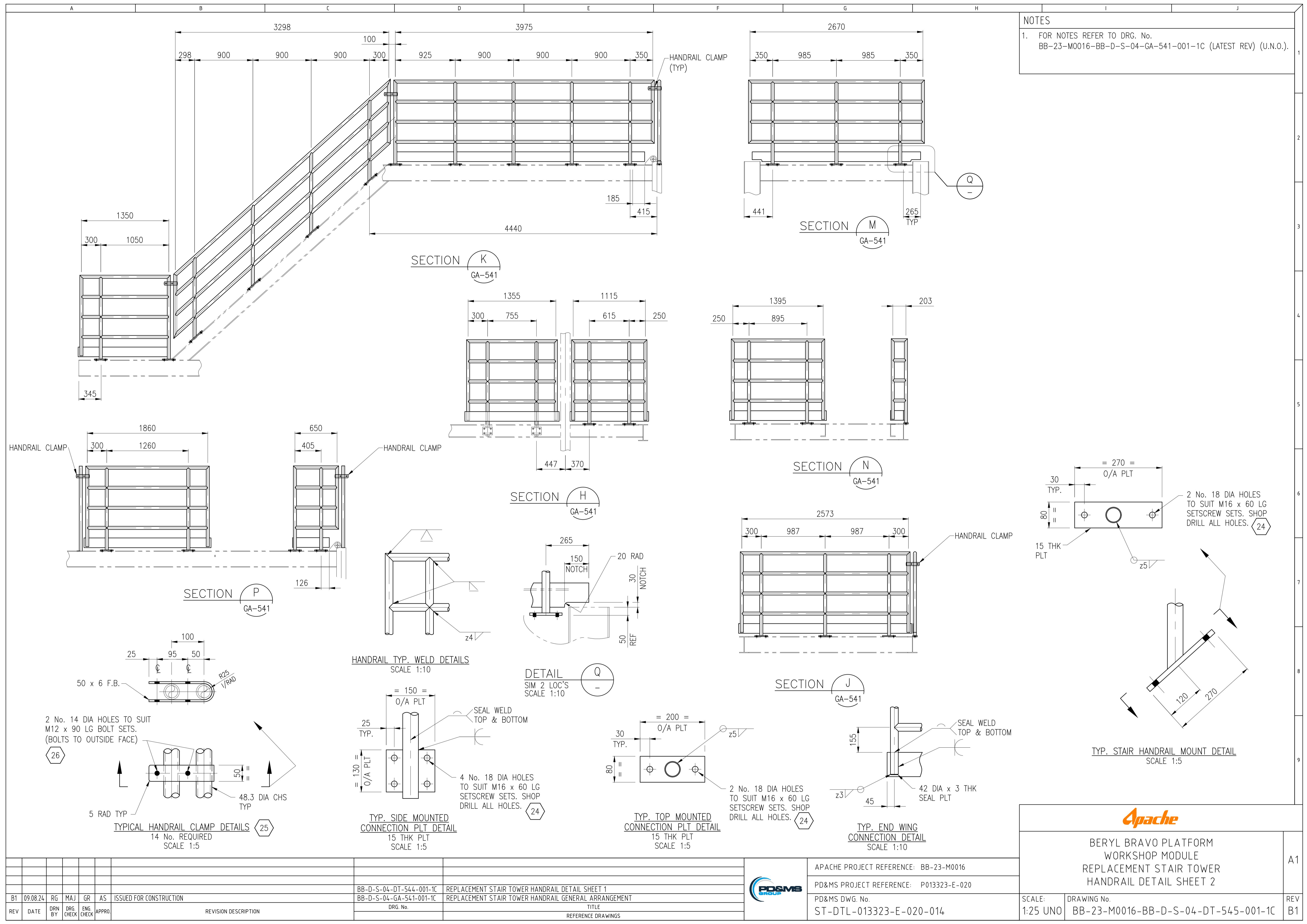
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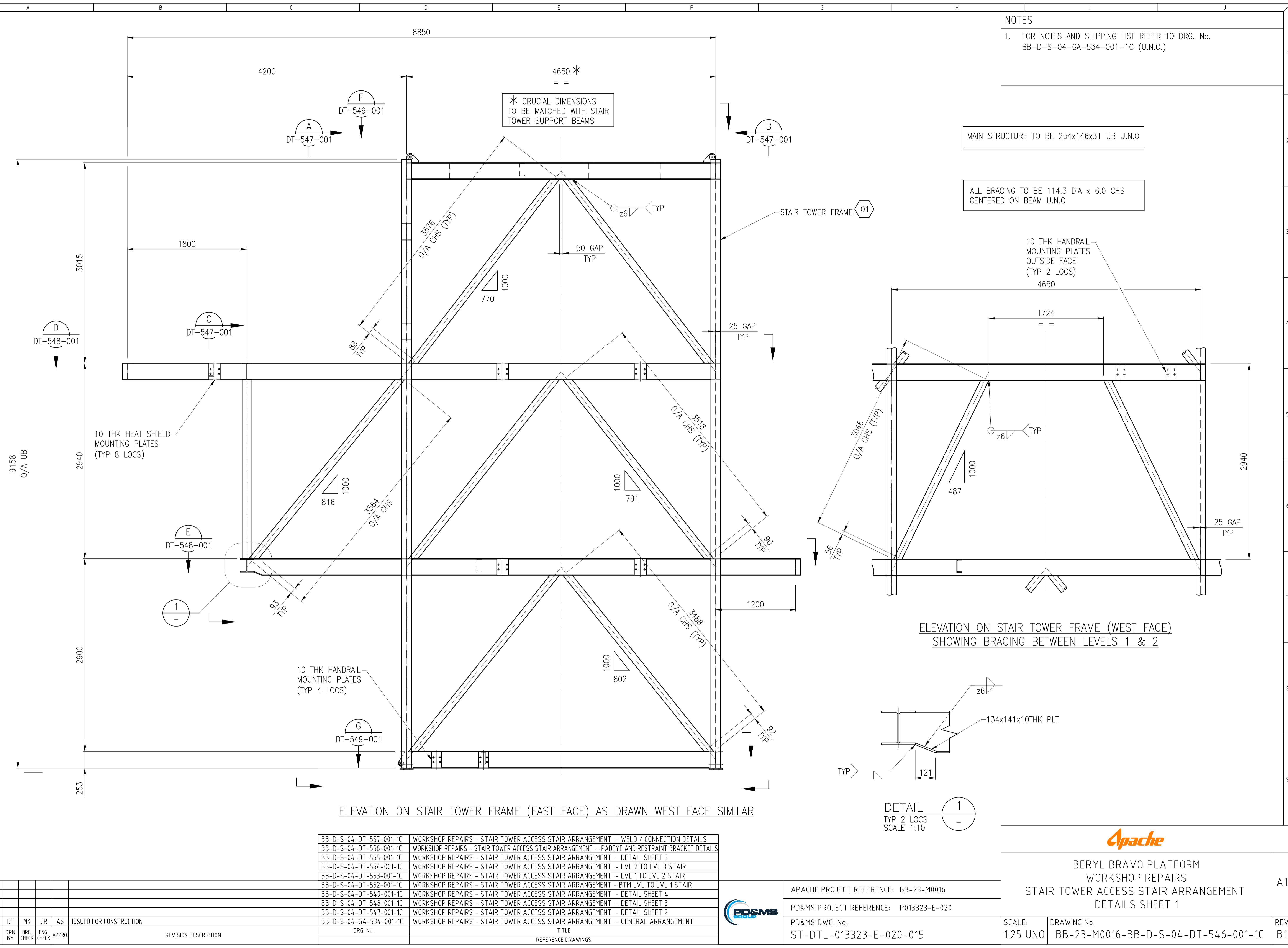
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PD&MS DWG. No.
ST-DTL-013323-E-020-013

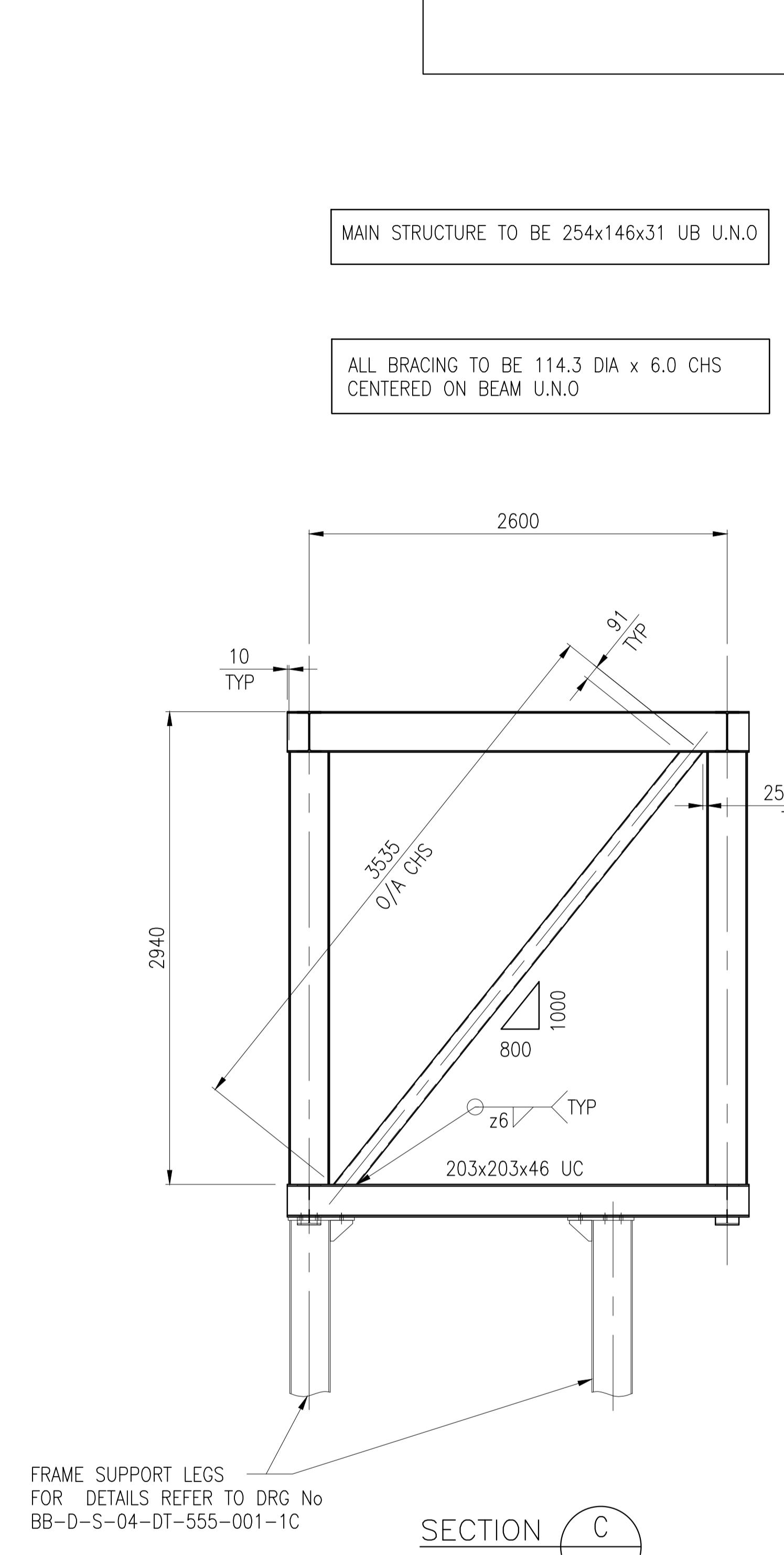
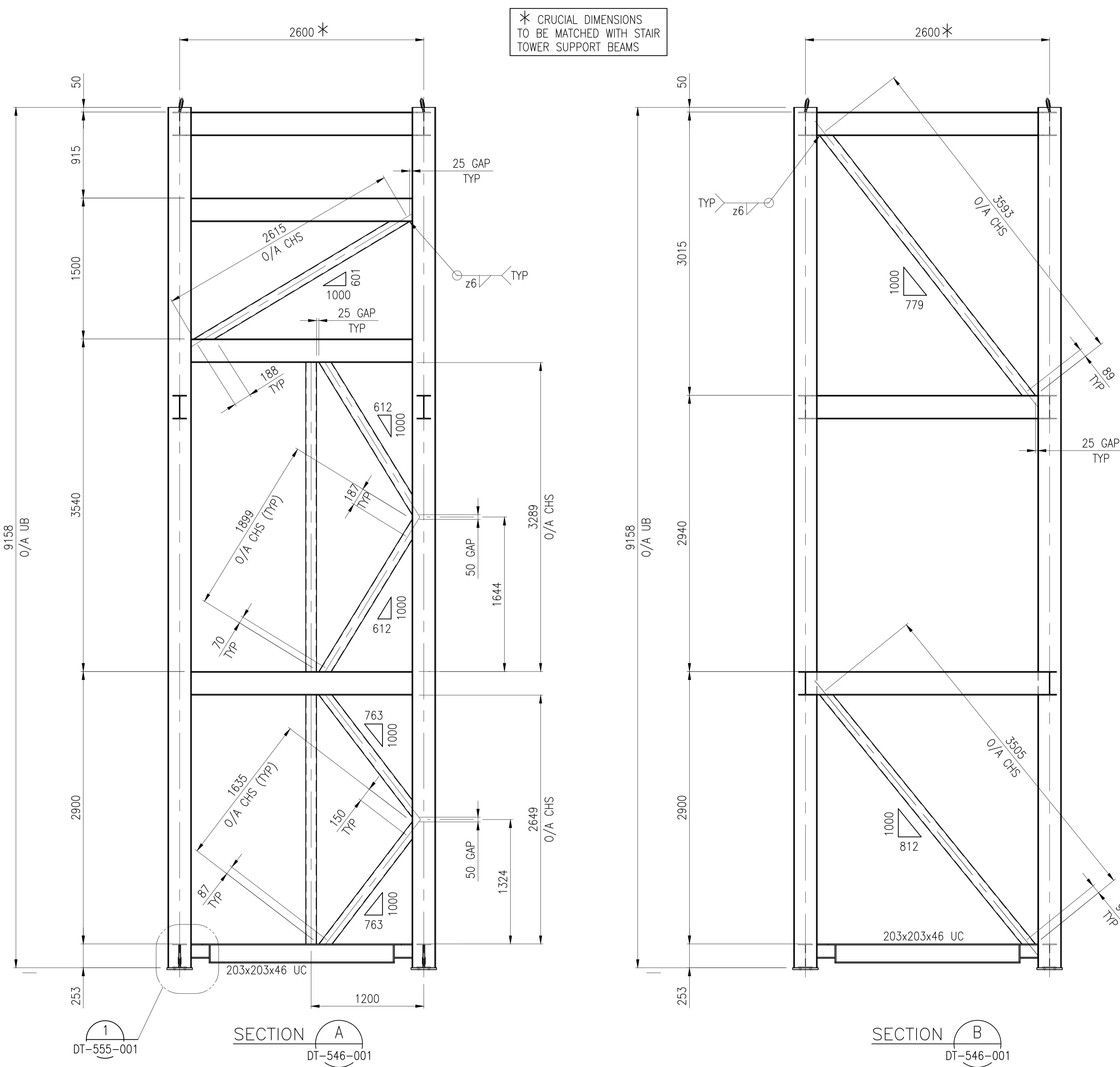
 Apache

BERYL BRAVO PLATFORM
WORKSHOP MODULE
REPLACEMENT STAIR TOWER
HANDRAIL DETAIL SHEET 1





NOTES
1. FOR NOTES AND SHIPPING LIST REFER TO DRG. No.
BB-D-S-04-GA-534-001-1C (U.N.O.).



FRAME SUPPORT LEGS
FOR DETAILS REFER TO DRG No
BB-D-S-04-DT-555-001-1C

SECTION C
DT-546-001

BB-D-S-04-DT-557-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - WELD / CONNECTION DETAILS
BB-D-S-04-DT-556-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - PAD EYE AND RESTRAINT BRACKET DETAILS
BB-D-S-04-DT-555-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 5
BB-D-S-04-DT-554-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - LVL 2 TO LVL 3 STAIR
BB-D-S-04-DT-553-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - LVL 1 TO LVL 2 STAIR
BB-D-S-04-DT-552-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - BTM LVL TO LVL 1 STAIR
BB-D-S-04-DT-549-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 4
BB-D-S-04-DT-548-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 3
BB-D-S-04-DT-546-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 1
BB-D-S-04-GA-534-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - GENERAL ARRANGEMENT

B1 09.08.24 DF MK GR AS ISSUED FOR CONSTRUCTION

REV DATE DRN BY DRG CHECK ENG APPRO

REVISION DESCRIPTION

DRG No. TITLE

REFERENCE DRAWINGS



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PD&MS PROJECT REFERENCE: P013323-E-020

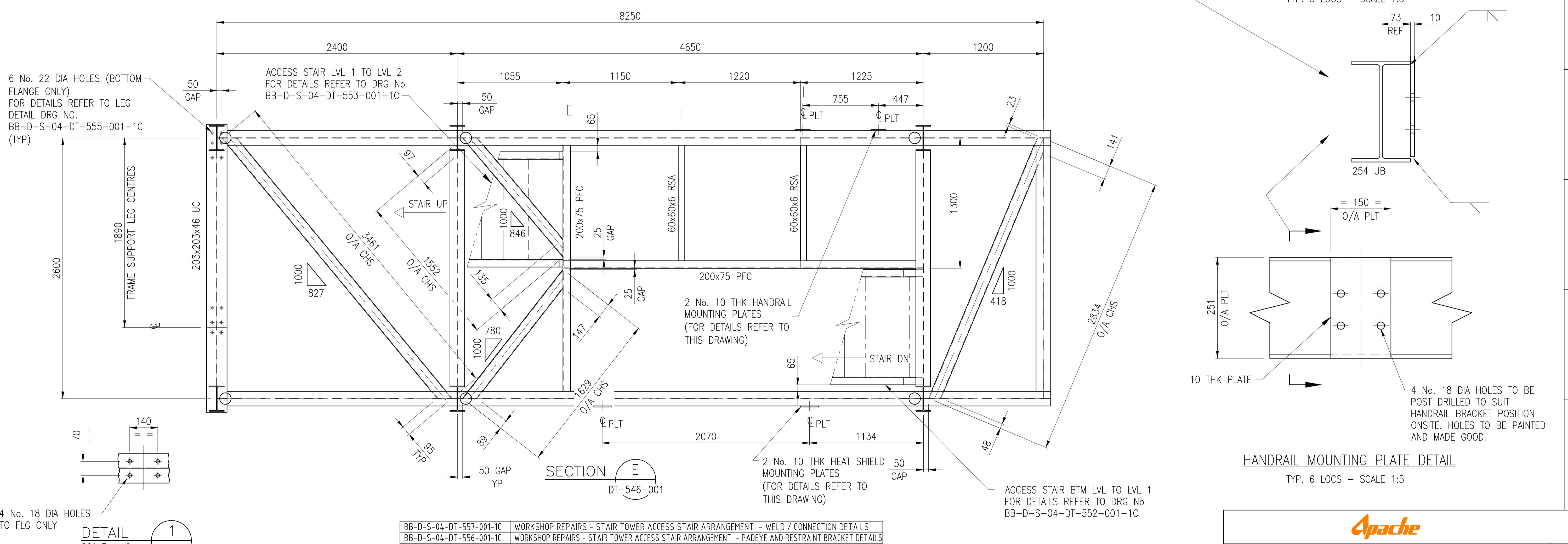
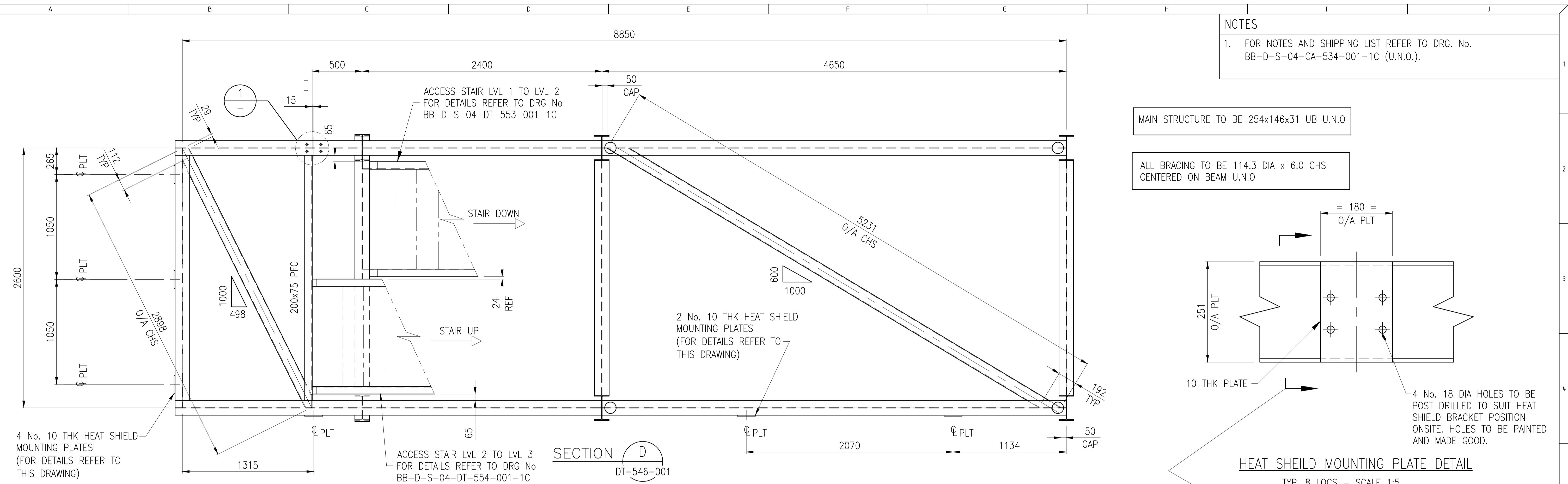
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ST-DTL-013323-E-020-016

Apache

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR ARRANGEMENT
DETAILS SHEET 2

A1

SCALE: 1:25 UNO DRAWING No. BB-23-M0016-BB-D-S-04-DT-547-001-1C REV B1



DETAIL 1
SCALE 1:10

BB-D-S-04-DT-557-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - WELD / CONNECTION DETAILS
BB-D-S-04-DT-556-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - PADYEYE AND RESTRAINT BRACKET DETAILS
BB-D-S-04-DT-555-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 5
BB-D-S-04-DT-554-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - LVL 2 TO LVL 3 STAIR
BB-D-S-04-DT-553-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - LVL 1 TO LVL 2 STAIR
BB-D-S-04-DT-552-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - BTM LVL TO LVL 1 STAIR
BB-D-S-04-DT-549-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 4
BB-D-S-04-DT-547-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 2
BB-D-S-04-DT-546-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 1
BB-D-S-04-GA-534-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - GENERAL ARRANGEMENT

B1 09.08.24 DF MK GR AS ISSUED FOR CONSTRUCTION

REV DATE DRN BY DRG CHECK ENG APPRO

REVISION DESCRIPTION

DRG No.

TITLE

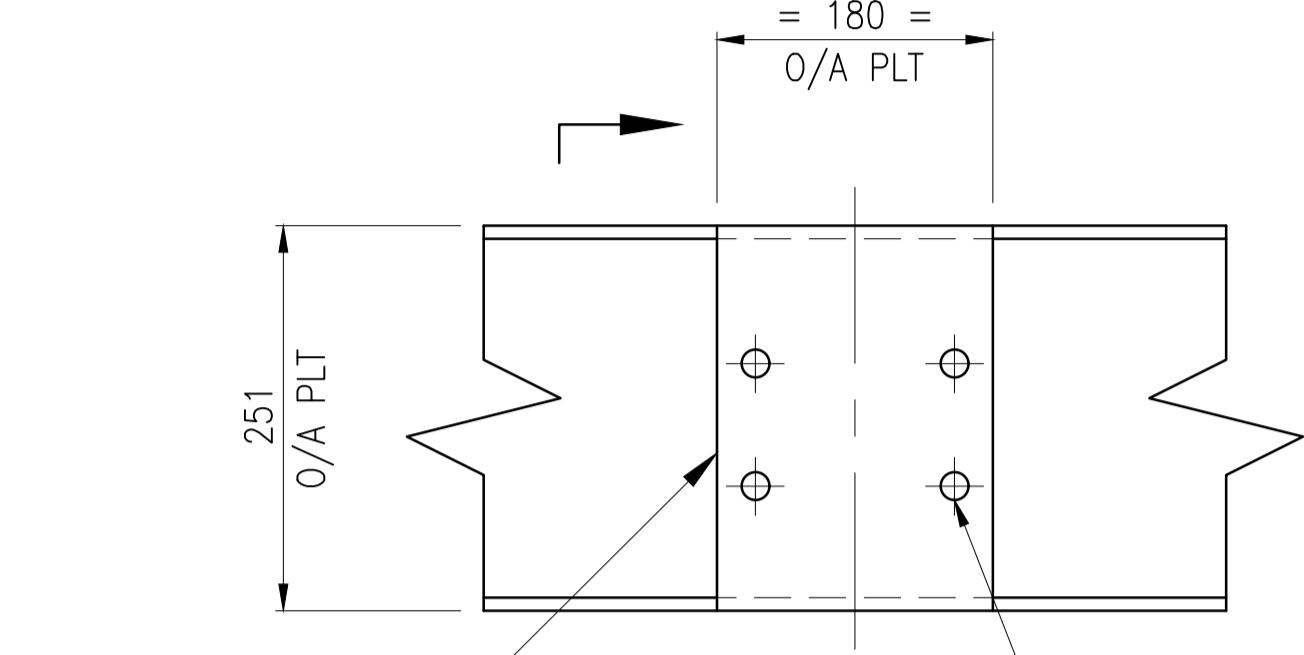
REFERENCE DRAWINGS

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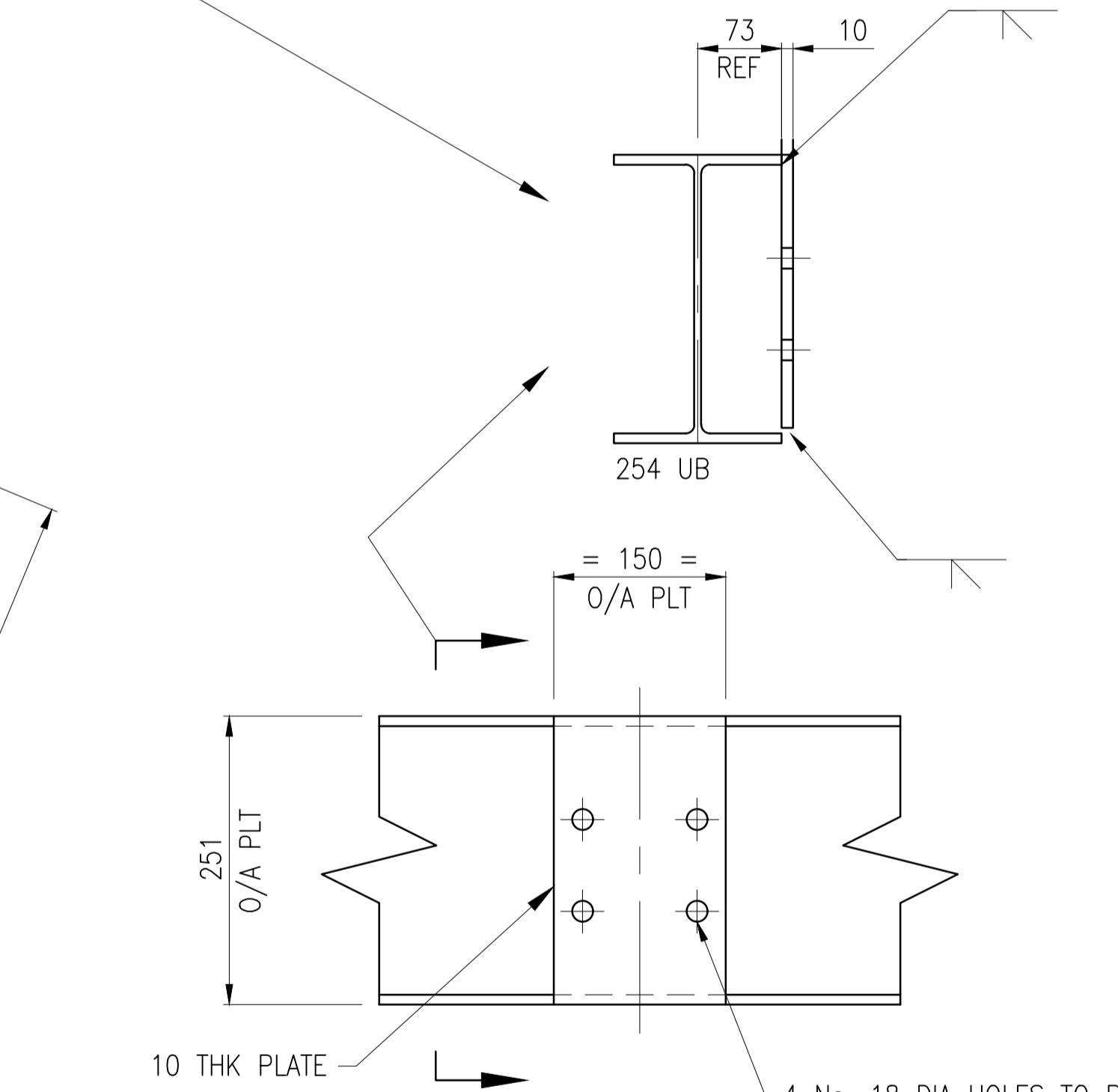
- FOR NOTES AND SHIPPING LIST REFER TO DRG. No. BB-D-S-04-GA-534-001-1C (U.N.O.).

MAIN STRUCTURE TO BE 254x146x31 UB U.N.O.

ALL BRACING TO BE 114.3 DIA x 6.0 CHS CENTERED ON BEAM U.N.O.



HEAT SHEILD MOUNTING PLATE DETAIL
TYP. 8 LOCS - SCALE 1:5



HANDRAIL MOUNTING PLATE DETAIL
TYP. 6 LOCS - SCALE 1:5



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.
ST-DTL-013323-E-020-017

Apache
BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR ARRANGEMENT
DETAILS SHEET 3

A1

SCALE: 1:20 UNO DRAWING No. BB-23-M0016-BB-D-S-04-DT-548-001-1C REV B1

NOTES

- FOR NOTES AND SHIPPING LIST REFER TO DRG. No. BB-D-S-04-GA-534-001-1C (U.N.O.)

MAIN STRUCTURE TO BE 254x146x31 UB U.N.O.

SECTION F PLAN ON TOP LEVEL DT-546-001

SECTION G PLAN ON BOTTOM LEVEL DT-546-001

ALL BRACING TO BE 114.3 DIA x 6.0 CHS CENTERED ON BEAM U.N.O.

ACCESS STAIR LVL 2 TO LVL 3
FOR DETAILS REFER TO DRG No BB-D-S-04-DT-554-001-1C

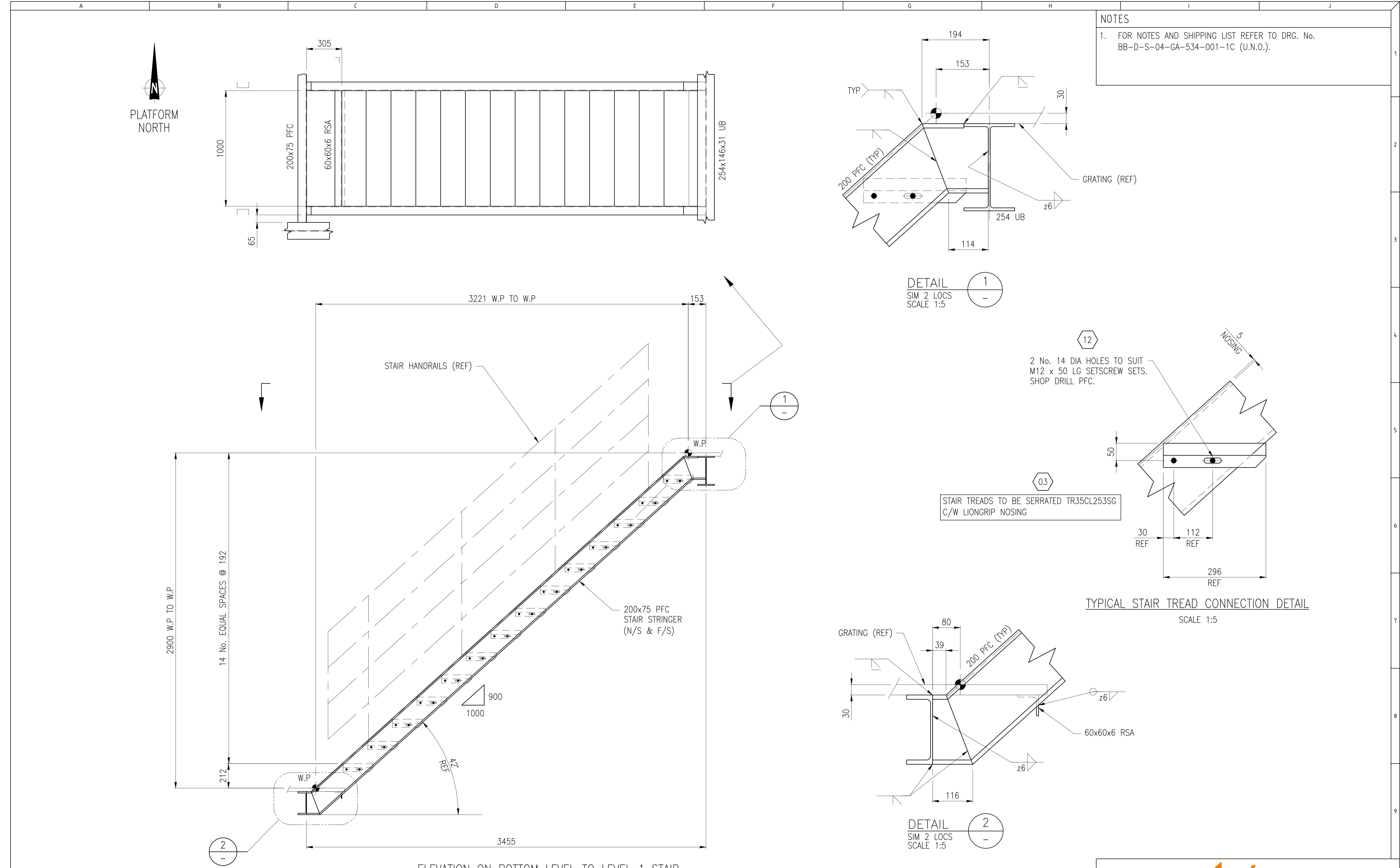
10 THK HANDBR MOUNTING PLATES (TYP)
FOR DETAILS REFER TO DRG No. BB-D-S-04-DTL-548-01-1C

10 THK HANDBR MOUNTING PLATES (TYP)
FOR DETAILS REFER TO DRG No. BB-D-S-04-DTL-548-01-1C

BB-D-S-04-DT-557-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - WELD / CONNECTION DETAILS
BB-D-S-04-DT-556-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - PADEYE AND RESTRAINT BRACKET DETAILS
BB-D-S-04-DT-555-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 5
BB-D-S-04-DT-554-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - LVL 2 TO LVL 3 STAIR
BB-D-S-04-DT-553-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - LVL 1 TO LVL 2 STAIR
BB-D-S-04-DT-552-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - BTM LVL TO LVL 1 STAIR
BB-D-S-04-DT-548-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 3
BB-D-S-04-DT-547-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 2
BB-D-S-04-DT-546-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 1
BB-D-S-04-GA-534-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - GENERAL ARRANGEMENT

APACHE PROJECT REFERENCE: BB-23-M0016
PD&MS PROJECT REFERENCE: P013323-E-020
PD&MS DWG. No. ST-DTL-013323-E-020-018
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REV B1 DATE 09.08.24 DF MK GR AS ISSUED FOR CONSTRUCTION
REV BY DRN BY DRG CHECK ENG CHECK APPRO
REVISION DESCRIPTION DRG. No. TITLE PREFERENCE DRAWINGS

Apache
BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR ARRANGEMENT
DETAILS SHEET 4



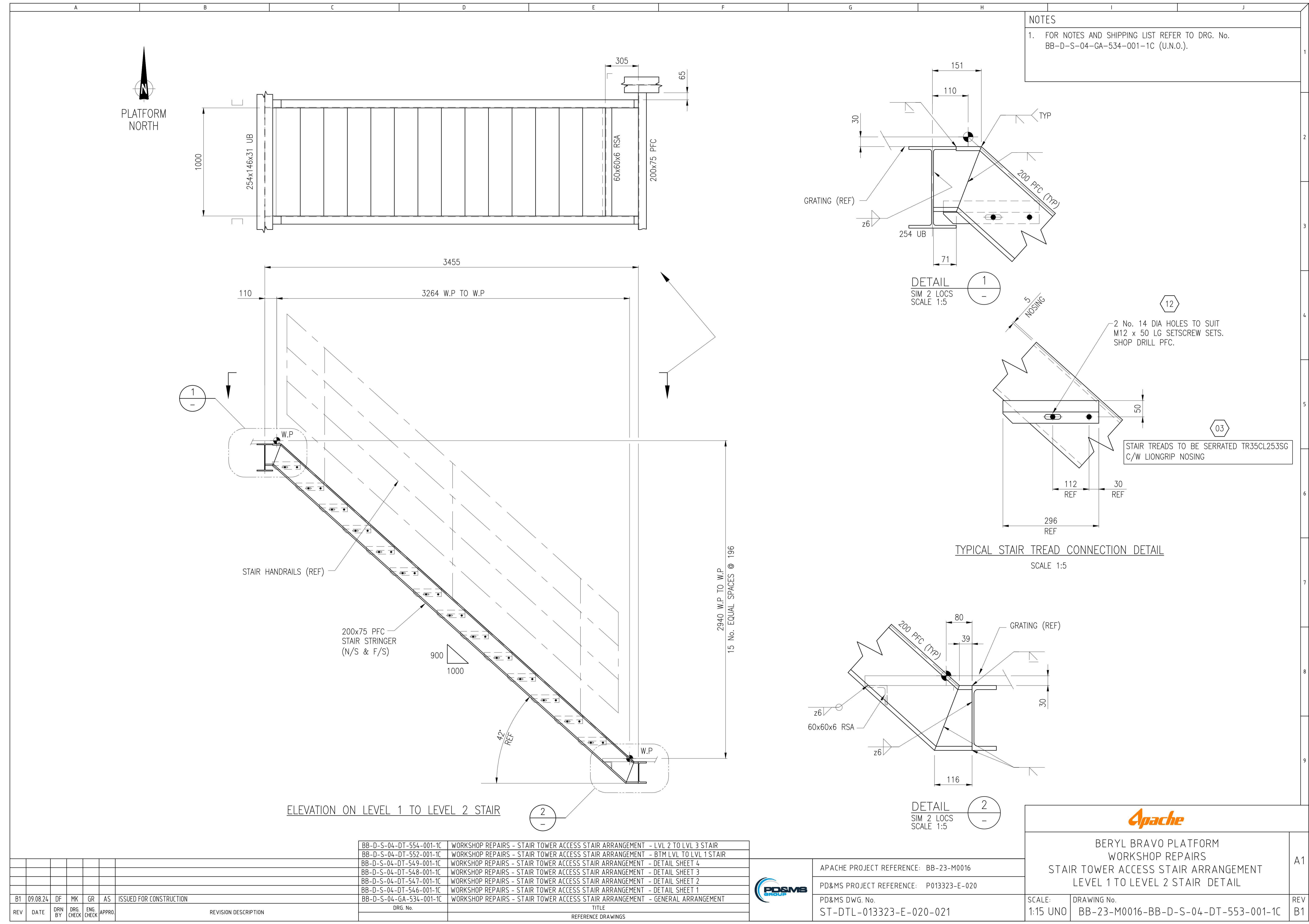
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					BB-D-S-04-DT-549-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 4
					BB-D-S-04-DT-548-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 3
					BB-D-S-04-DT-547-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 2
					BB-D-S-04-DT-546-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 1
B1	09.08.24	DF	MK	GR	AS	ISSUED FOR CONSTRUCTION
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO.	REVISION DESCRIPTION
						DRG. No. TITLE
						REFERENCE DRAWINGS



APACHE PROJECT REFERENCE: BB-23-M0016
PD&MS PROJECT REFERENCE: P013323-E-020
PD&MS DWG. No. ST-DTL-013323-E-020-020

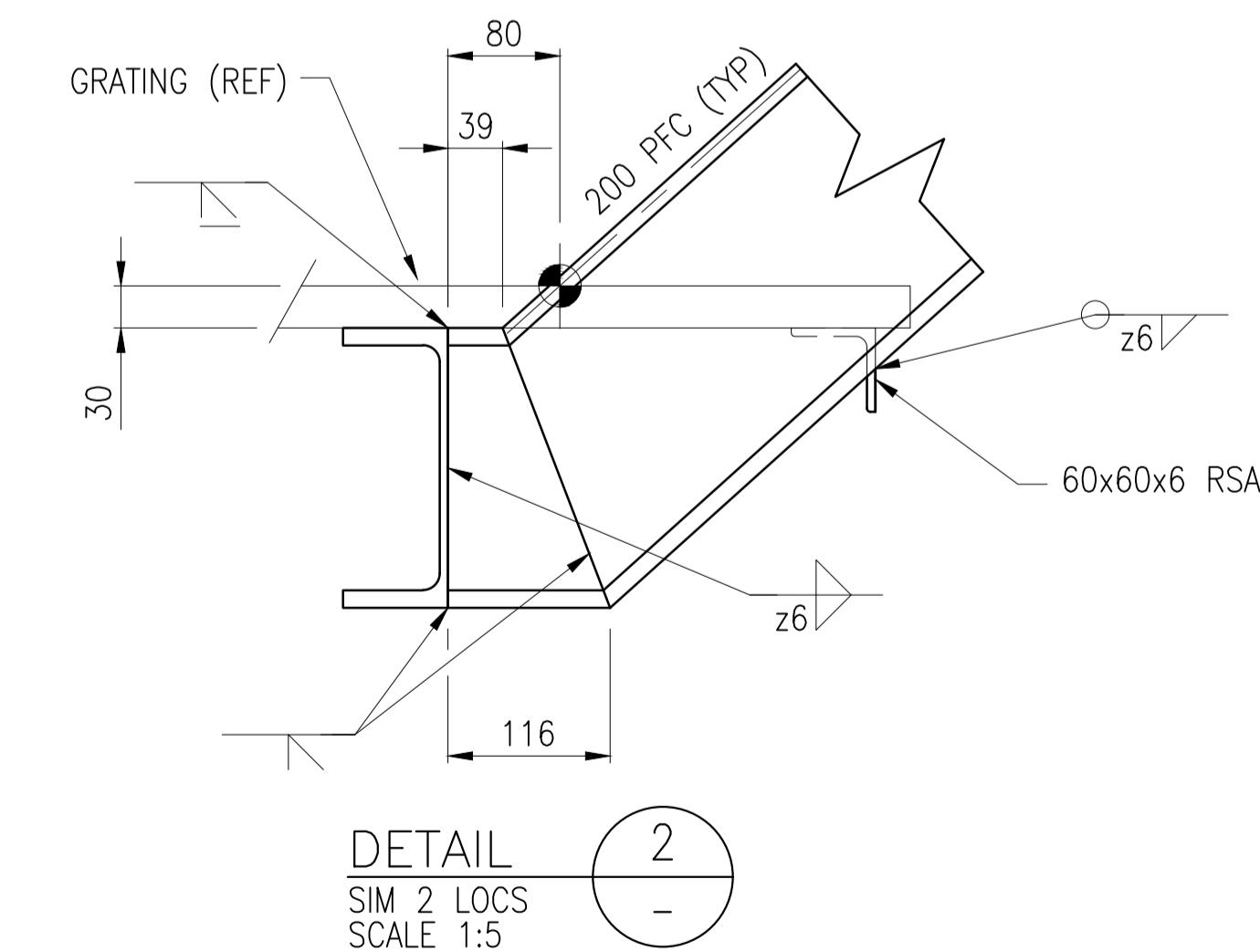
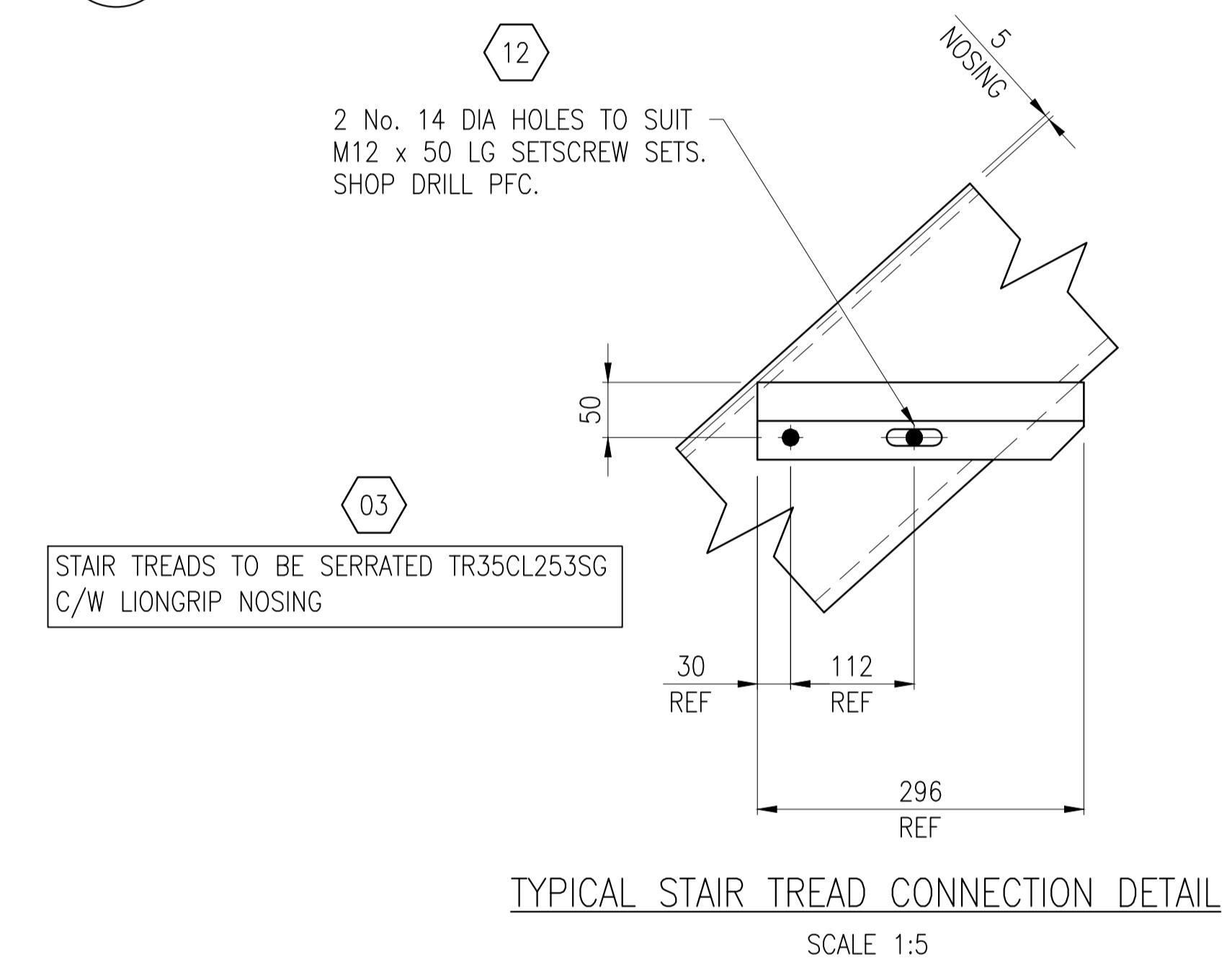
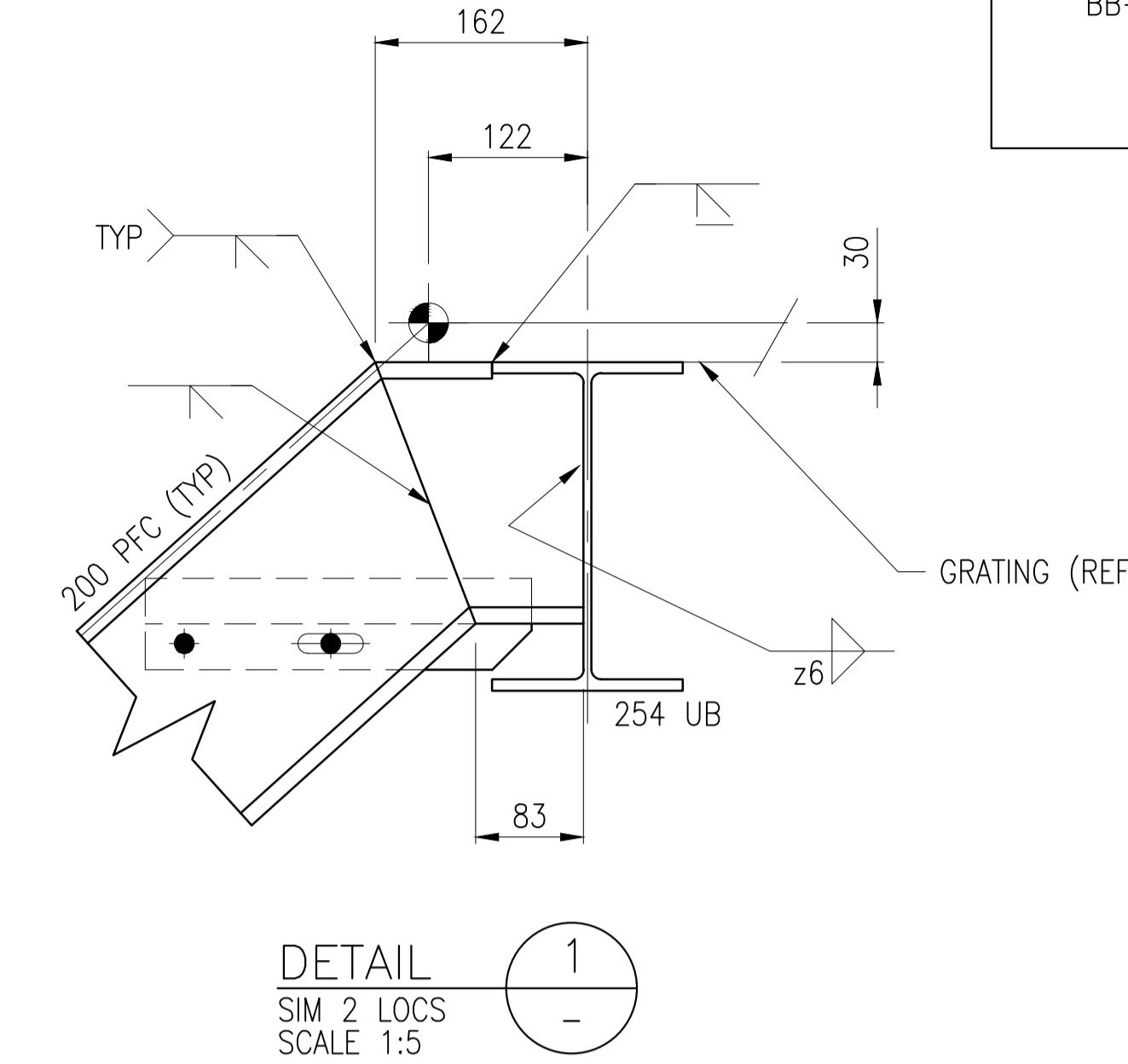
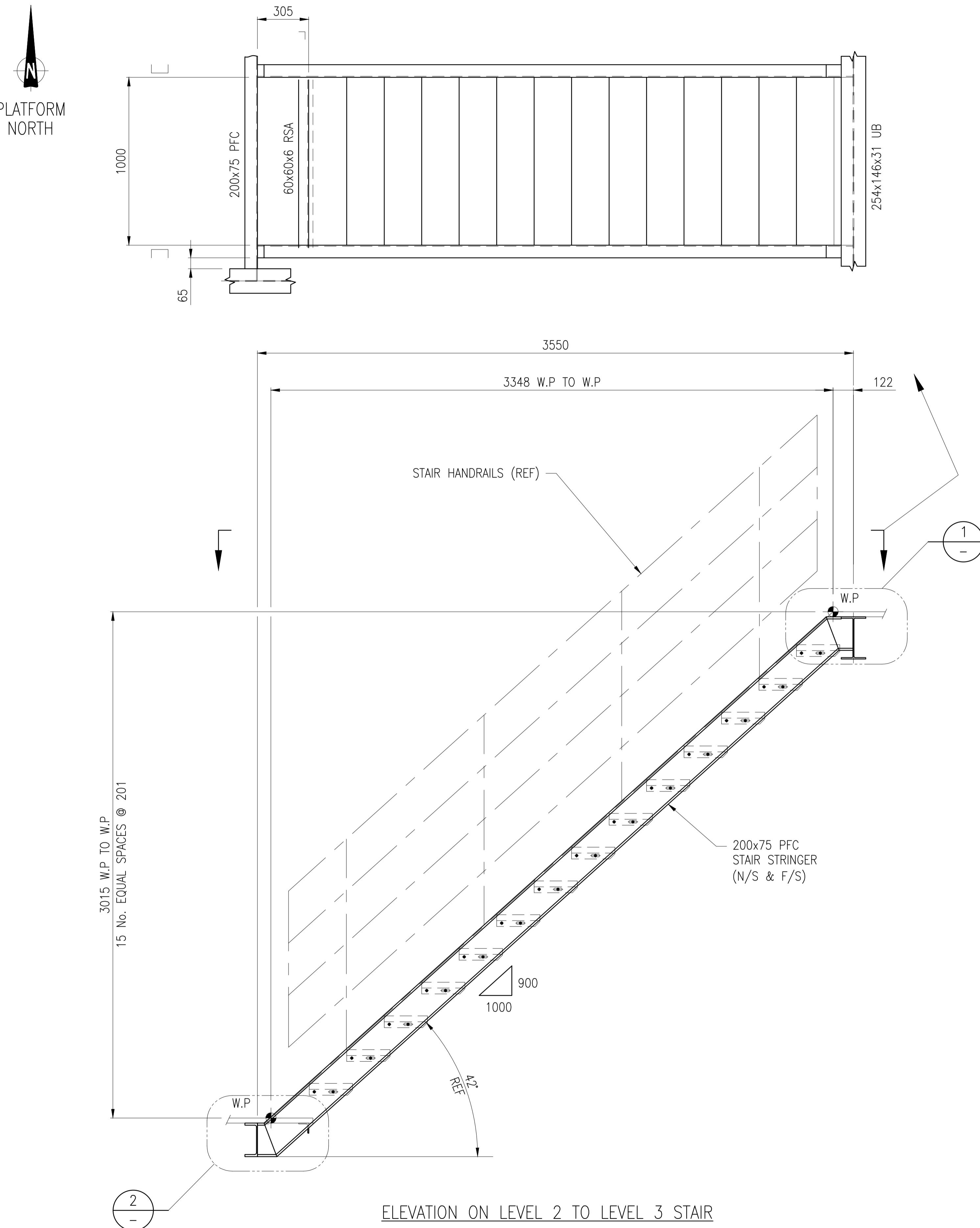
Apache
BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR ARRANGEMENT
BOTTOM LEVEL TO LEVEL 1 STAIR DETAIL
DRAWING No. BB-23-M0016-BB-D-S-04-DT-552-001-1C
SCALE: 1:15 UNO
REV B1

A1



NOTES

1. FOR NOTES AND SHIPPING LIST REFER TO DRG. No.
BB-D-S-04-GA-534-001-1C (U.N.O.).



BB-D-S-04-DT-553-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - LVL 1 TO LVL 2 STAIR

BB-D-S-04-DT-552-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - BTM LVL TO LVL 1 STAIR

BB-D-S-04-DT-549-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 4

BB-D-S-04-DT-548-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 3

BB-D-S-04-DT-547-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 2

BB-D-S-04-DT-546-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 1

BB-D-S-04-GA-534-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - GENERAL ARRANGEMENT

DRG. No. TITLE

REFERENCE DRAWINGS

B1 09.08.24 DF MK GR AS ISSUED FOR CONSTRUCTION

REV DATE DRN BY DRG. CHECK ENG. APPRO.

REVISION DESCRIPTION



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No. ST-DTL-013323-E-020-022

Apache

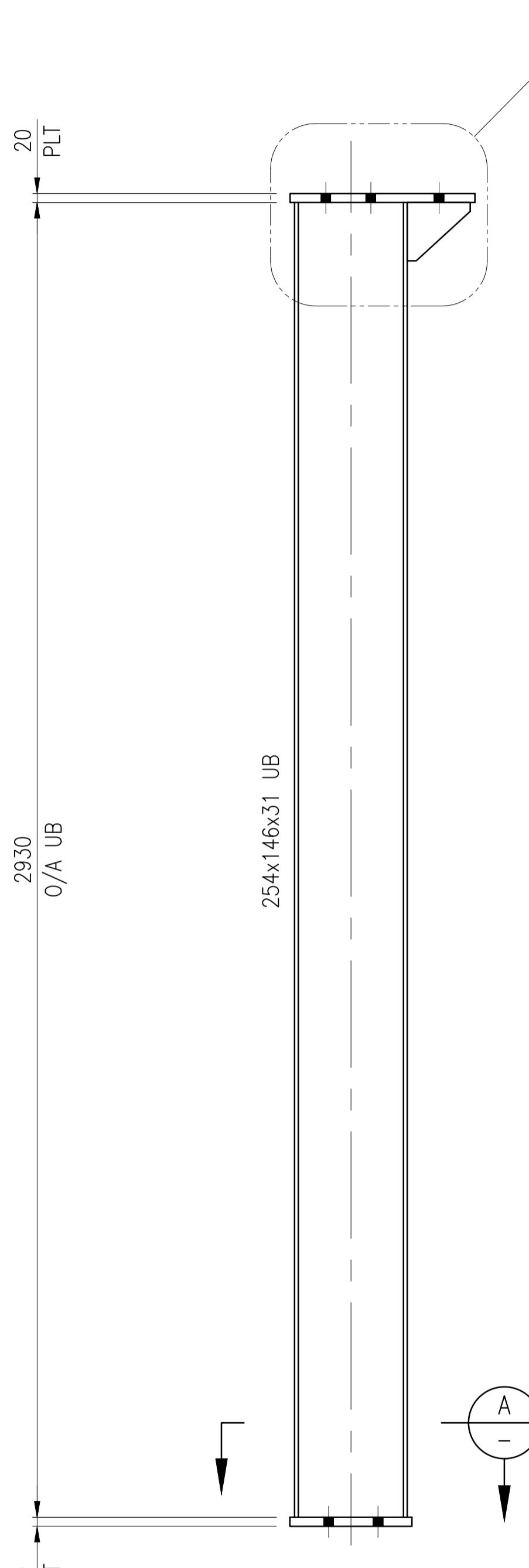
BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR ARRANGEMENT
LEVEL 2 TO LEVEL 3 STAIR DETAIL

A1

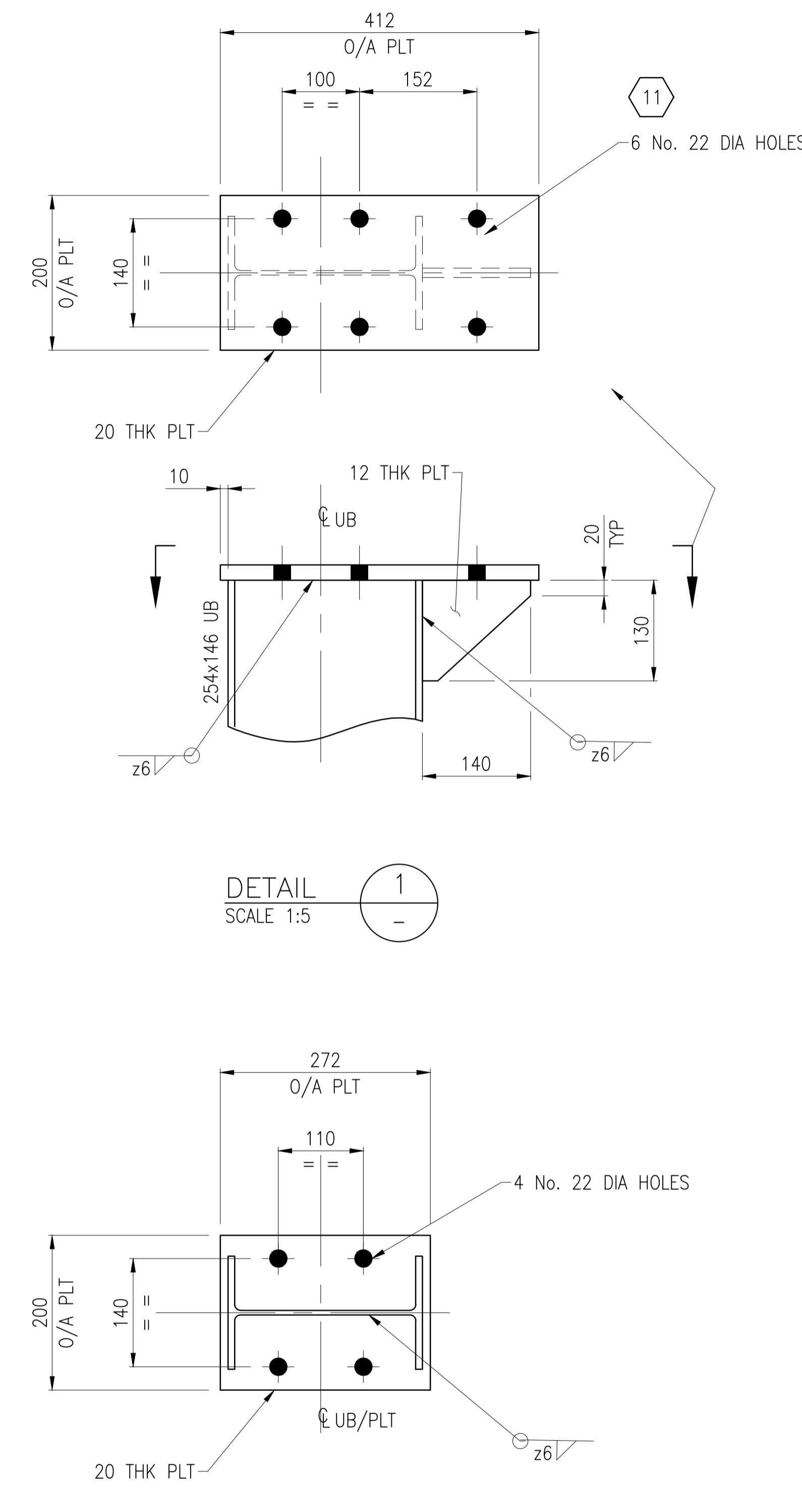
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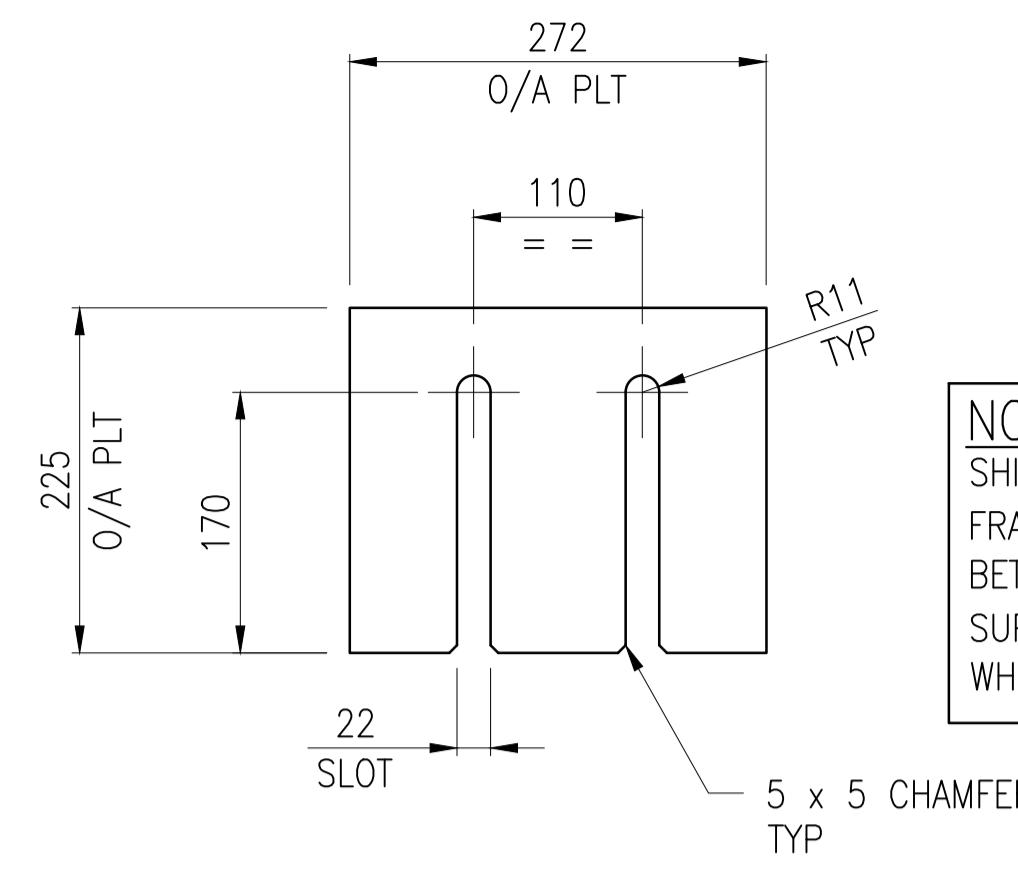
1. FOR NOTES AND SHIPPING LIST REFER TO DRG. No.
BB-D-S-04-GA-534-001-1C (U.N.O.).



FRAME SUPPORT LEG 02
2 OFF - REQUIRED



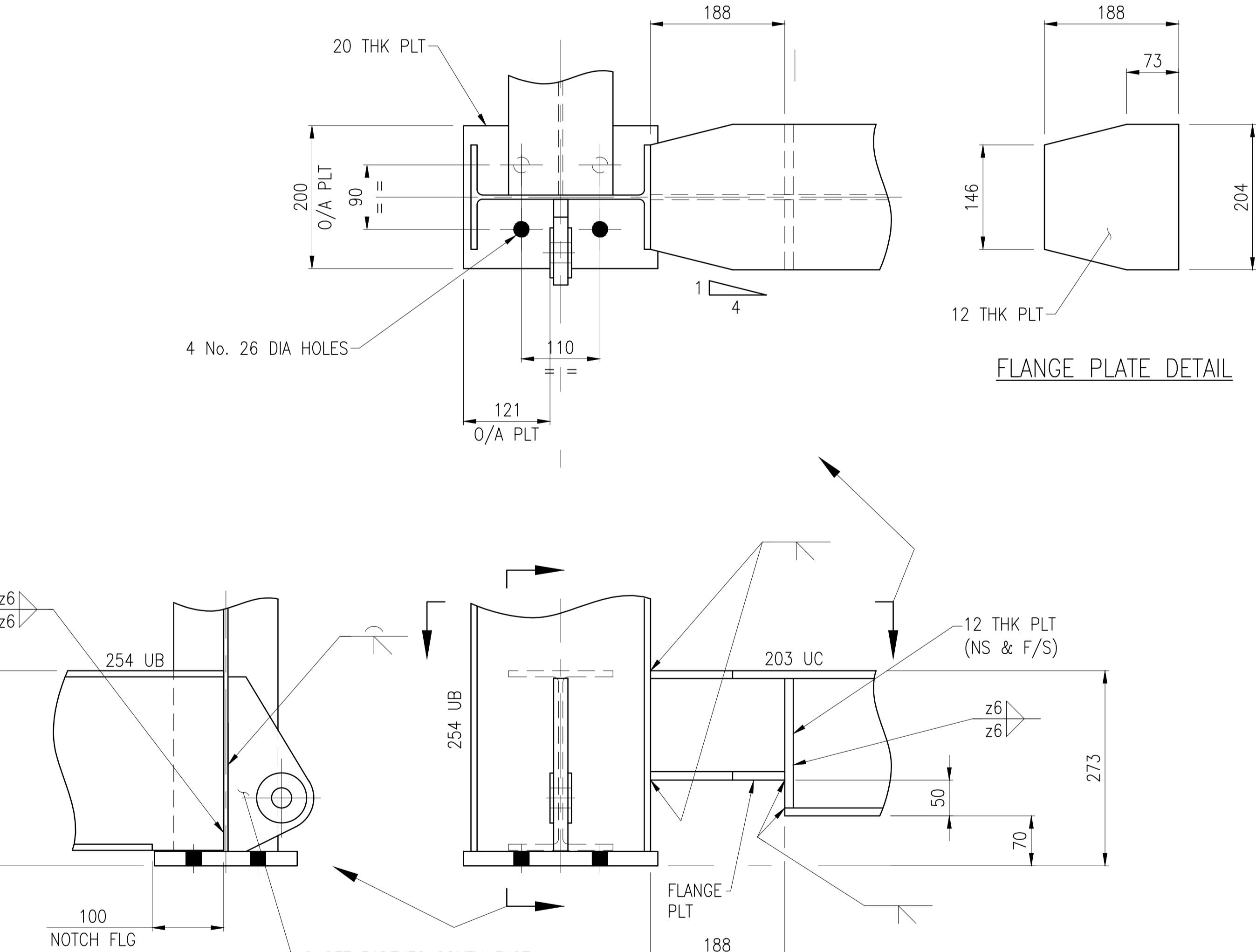
SECTION
SCALE 1:5



SHIM PACK DETAIL 05

SCALE 1:5
6 No. PACK REQUIRED COMPRISING:
1 No. 15 THK PLT
1 No. 10 THK PLT
1 No. 5 THK PLT
2 No. 3 THK PLT
2 No. 2 THK PLT

SHIM PACKS TO BE BOUND TOGETHER FOR TRANSPORTATION



FLANGE PLATE DETAIL

DETAIL
TYP 2 LOCS
SIM 2 LOCS
SCALE 1:5
DT-547-001



BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR ARRANGEMENT
DETAIL SHEET 5

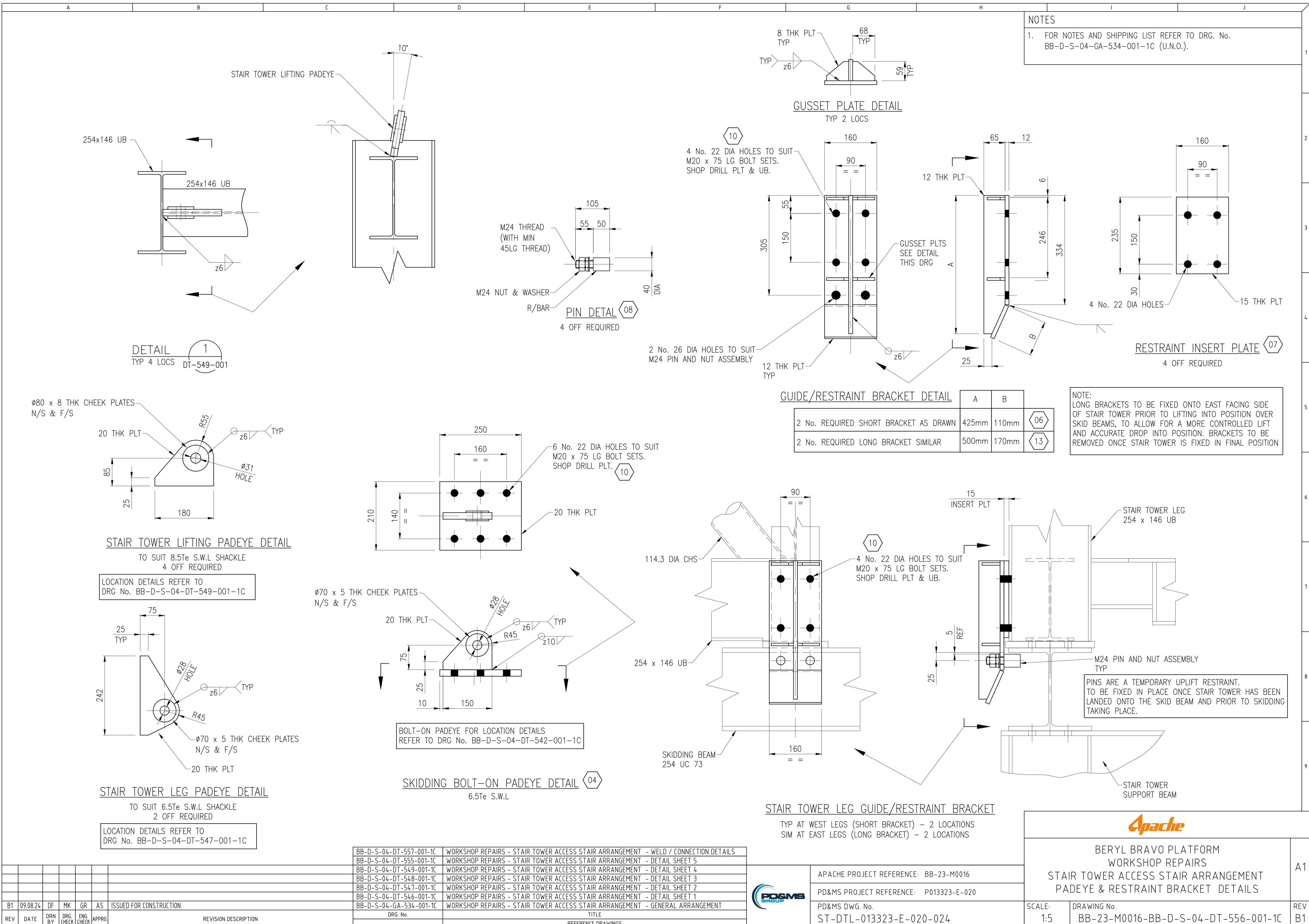
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					BB-D-S-04-DT-548-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 3
					BB-D-S-04-DT-547-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 2
					BB-D-S-04-DT-546-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 1
B1	09.08.24	DF	MK	GR	AS	ISSUED FOR CONSTRUCTION
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO.	REVISION DESCRIPTION
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						TITLE _____
						REFERENCE DRAWINGS _____



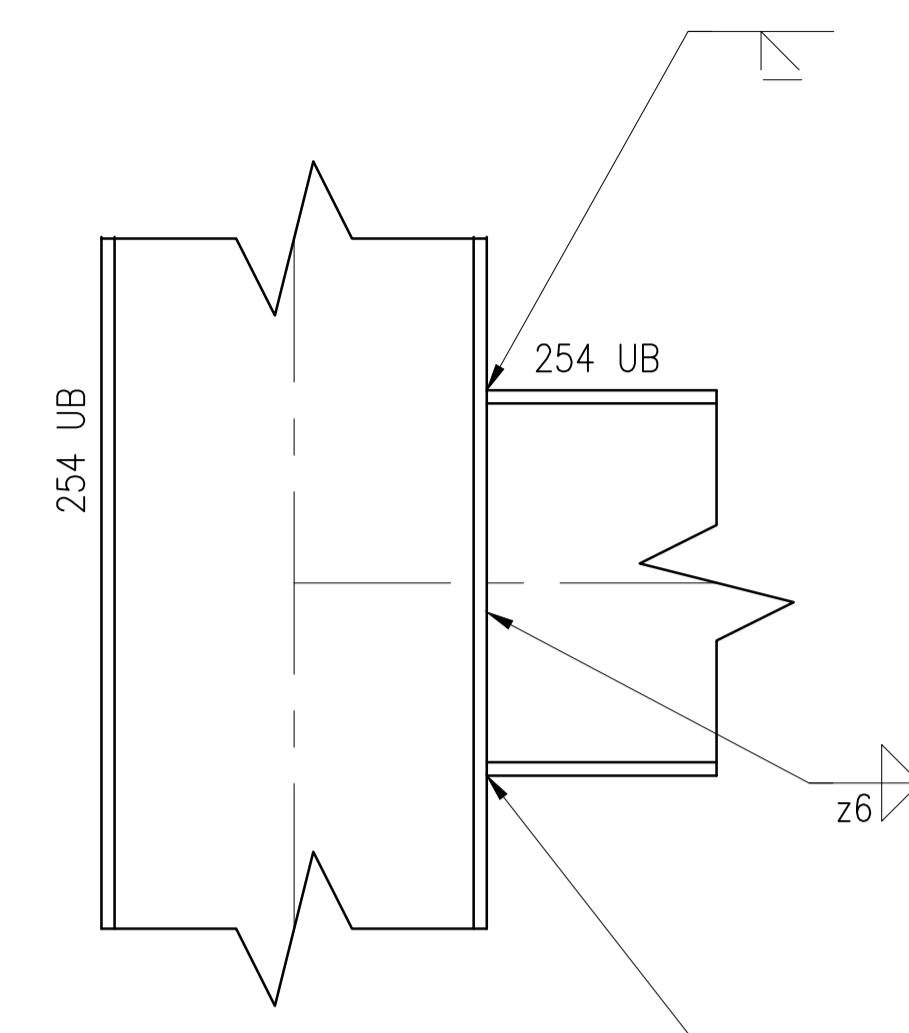
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PD&MS DWG. No. ST-DTL-013323-E-020-023

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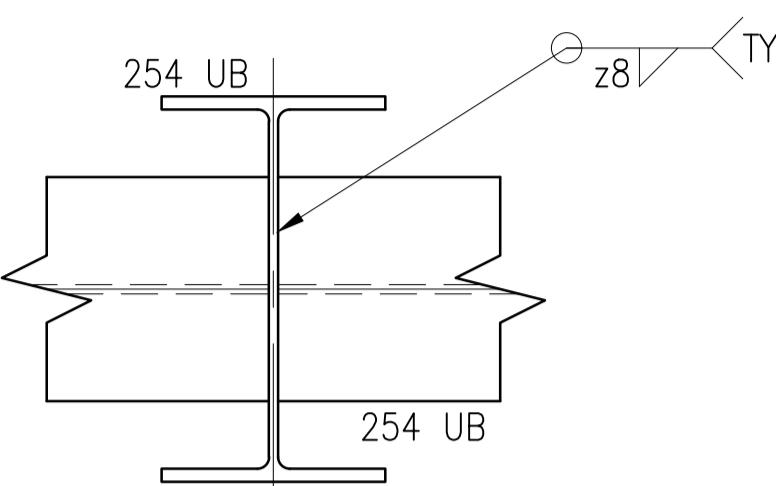


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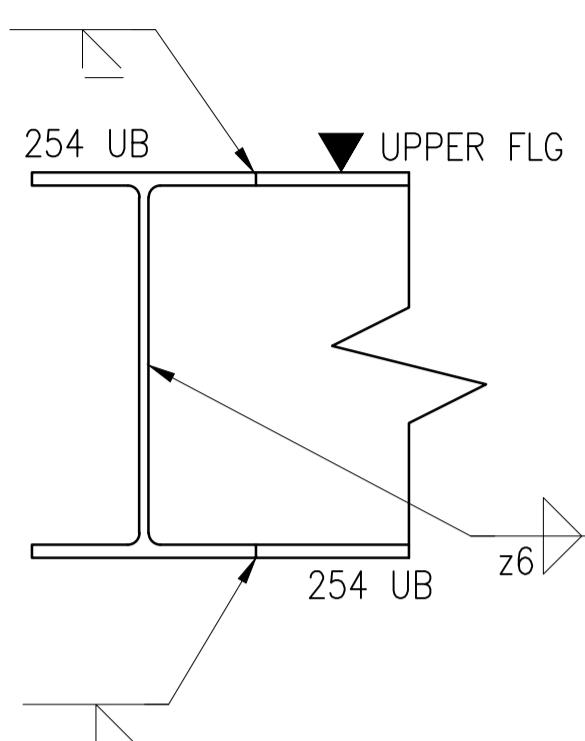
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BB-D-S-04-GA-534-001-1C (U.N.O.).



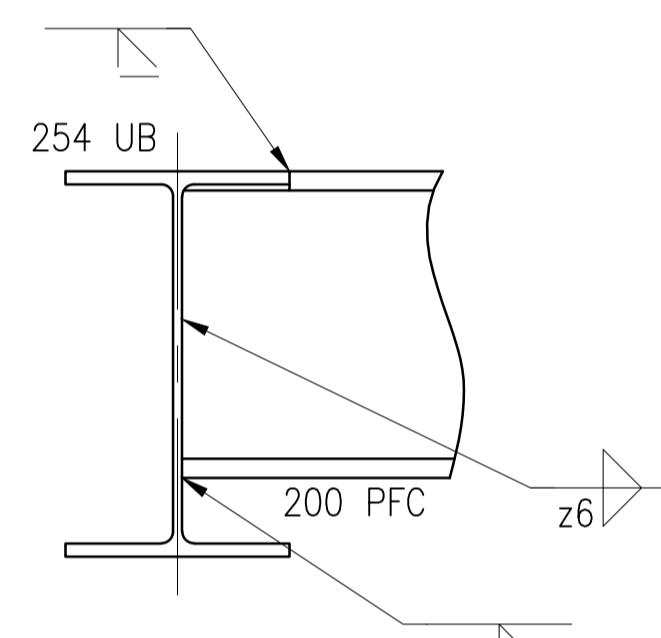
TYPICAL UB COLUMN TO UB
WELD DETAILS



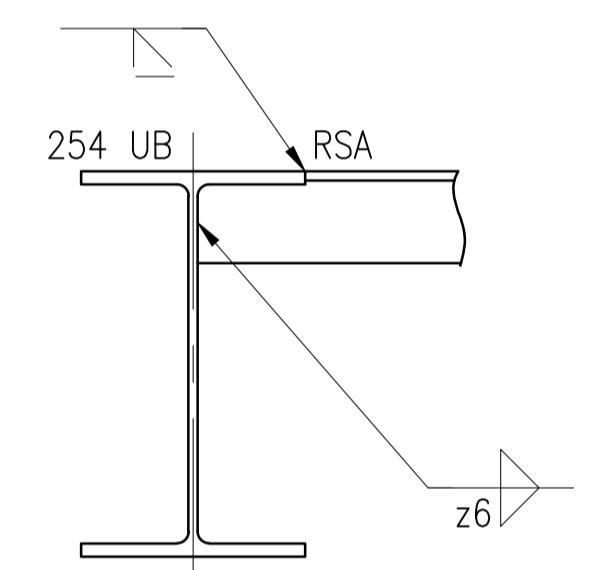
TYPICAL UB COLUMN TO UB
WELD DETAILS



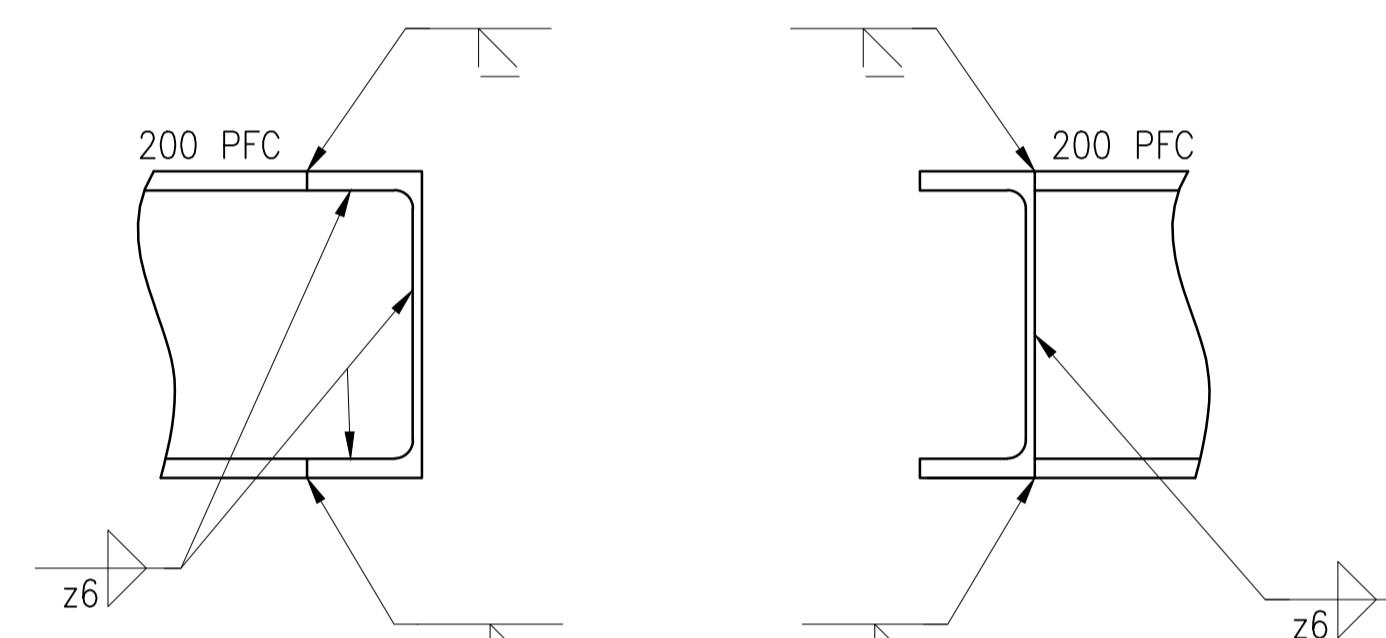
TYPICAL UB TO UB
WELD DETAILS



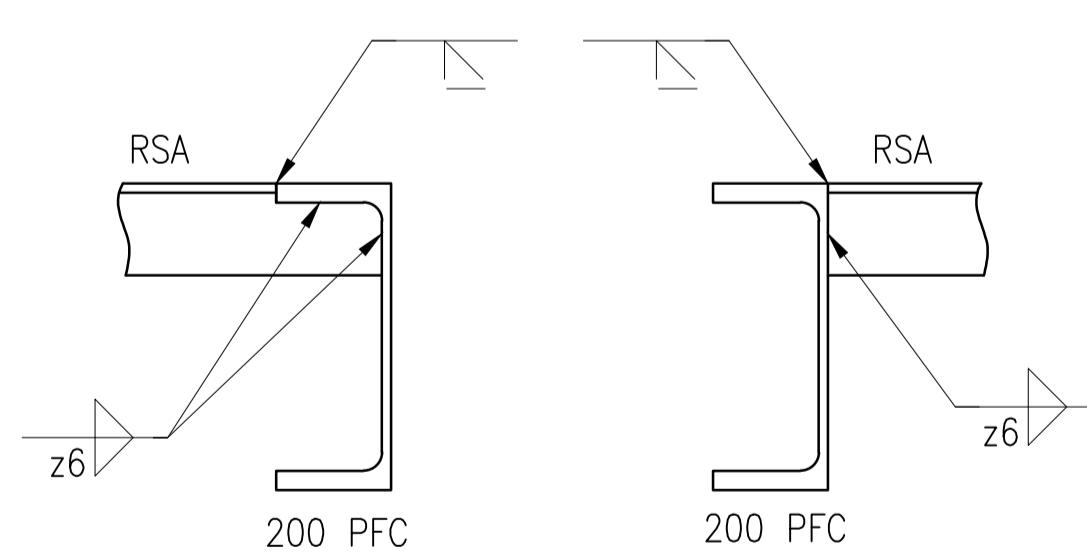
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WELD DETAILS



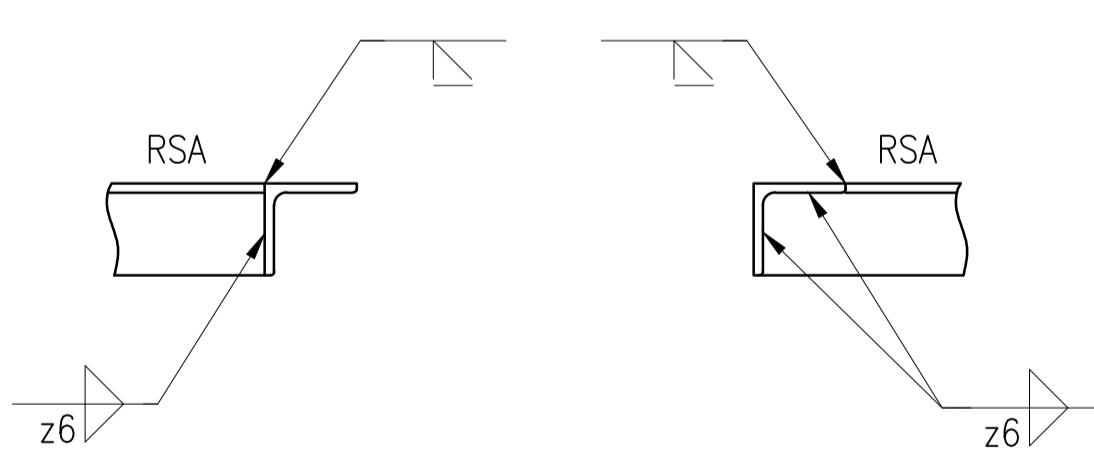
TYPICAL RSA TO UB
WELD DETAILS



TYPICAL PFC TO PFC
WELD DETAILS



TYPICAL RSA TO PFC
WELD DETAILS



TYPICAL RSA TO RSA
WELD DETAILS

B1 09.08.24 DF MK GR AS ISSUED FOR CONSTRUCTION

REV DATE DRN BY DRG. CHECK ENG. APPRO.

REVISION DESCRIPTION

BB-D-S-04-DT-556-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - PADEYE & RESTRAINT BRACKET DETAILS

BB-D-S-04-DT-555-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 5

BB-D-S-04-DT-549-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 4

BB-D-S-04-DT-548-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 3

BB-D-S-04-DT-547-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 2

BB-D-S-04-DT-546-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - DETAIL SHEET 1

BB-D-S-04-GA-534-001-1C WORKSHOP REPAIRS - STAIR TOWER ACCESS STAIR ARRANGEMENT - GENERAL ARRANGEMENT

DRG. No. TITLE

REFERENCE DRAWINGS



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.
ST-DTL-013323-E-020-025

Apache

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR ARRANGEMENT
WELD / CONNECTION DETAILS

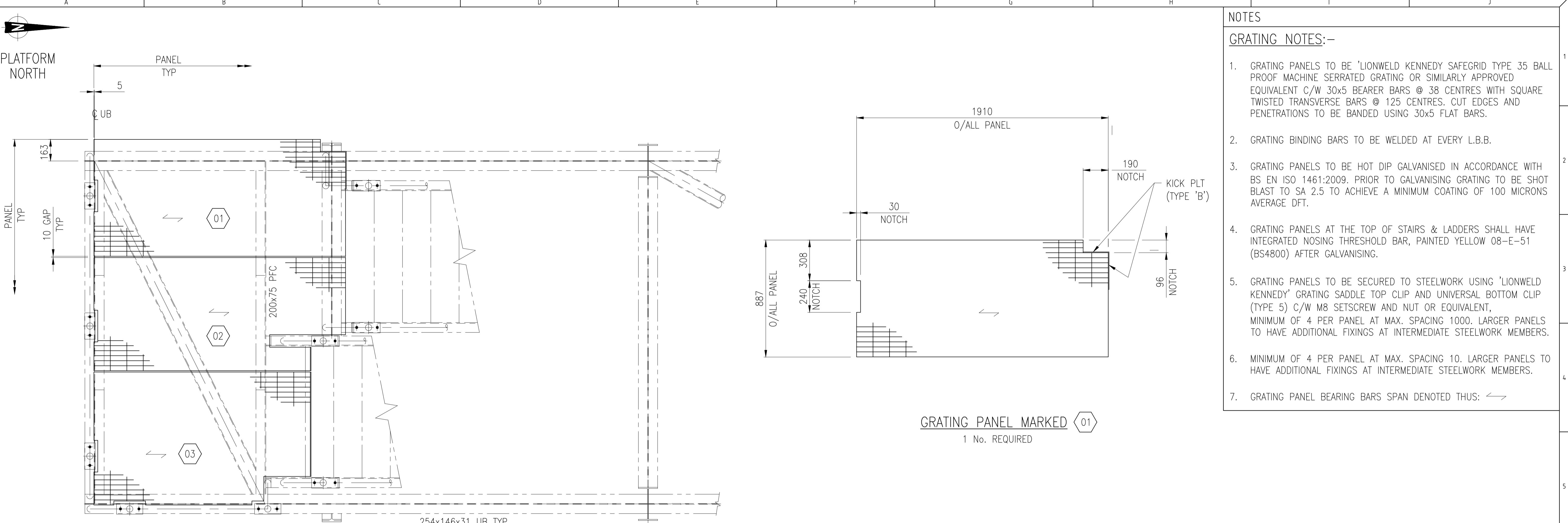
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DRAWING NO.

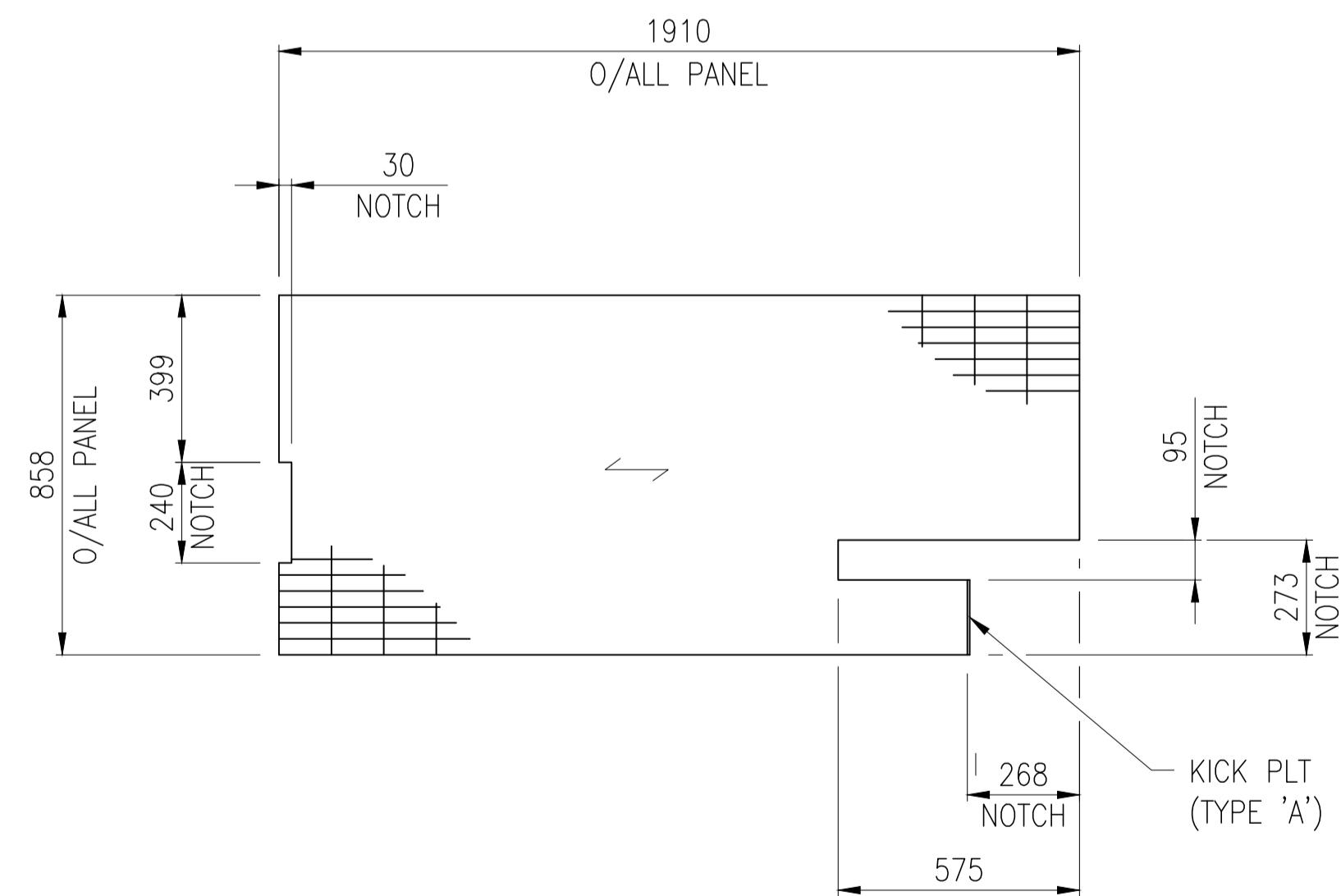
REV B1

SCALE: 1:5

BB-23-M0016-BB-D-S-04-DT-557-001-1C

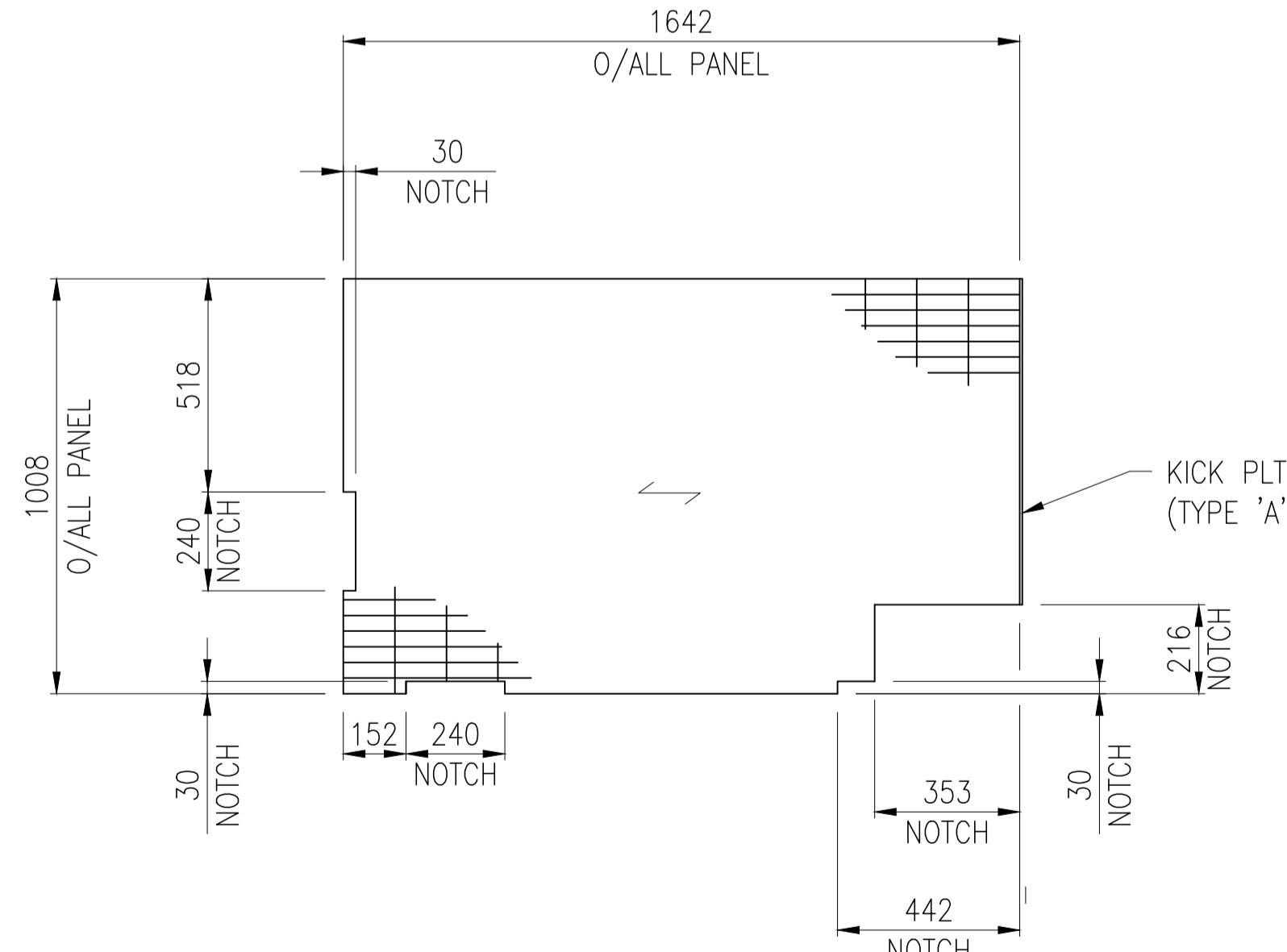


PART PLAN ON LEVEL 2 SHOWING GRATING PANEL LAYOUT AT EL(+40.613 T.O.S. (REF)



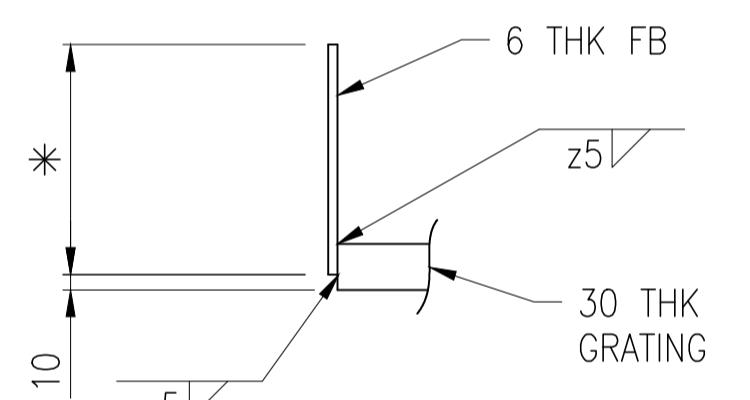
GRATING PANEL MARKED 02

1 No. REQUIRED



GRATING PANEL MARKED 03

1 No. REQUIRED



TYPICAL KICK PLATE DETAILS

SCALE 1:5

KICK PLATE HEIGHT *
TYPE 'A' 150mm
TYPE 'B' 170mm

04	14	LIONWELD KENNEDY TYPE 5 SADDLE CLIP (INCL. SPARES)	2
03	1	GRATING PANEL 3	60
02	1	GRATING PANEL 2	59
01	1	GRATING PANEL 1	59
ITEM	QTY	DESCRIPTION	
SHIPPING LIST PERTAINS TO THIS DRG. LISTED ITEMS TO BE PREFIXED BB-D-S-04-DT-560-001-1C			
SHIPPING LIST			
TOTAL WEIGHT OF MATERIAL THIS LIST =			180 kg

Apache

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER LEVEL 2 GRATING
GENERAL ARRANGEMENT & DETAILS

A1



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

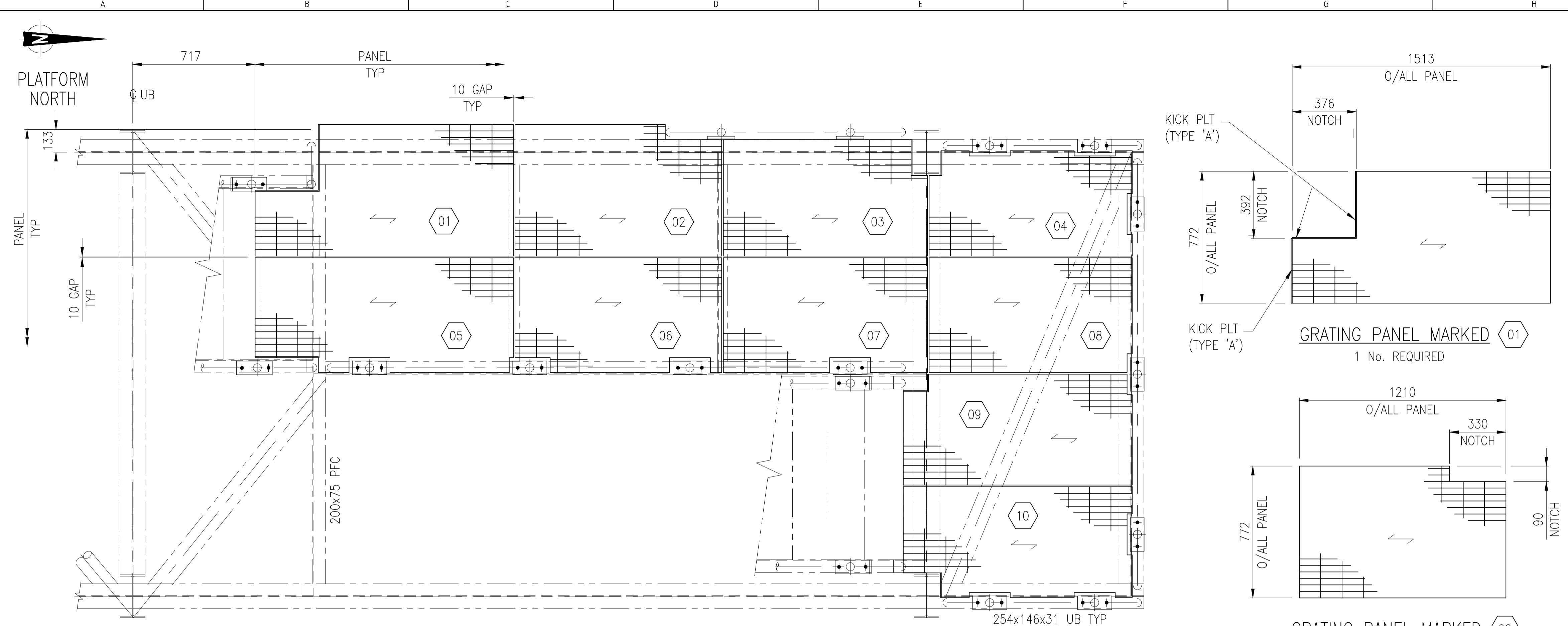
PD&MS DWG. No.
ST-DTL-013323-E-020-028

SCALE: 1:15 UNO DRAWING No.
BB-23-M0016-BB-D-S-04-DT-560-001-1C REV B1

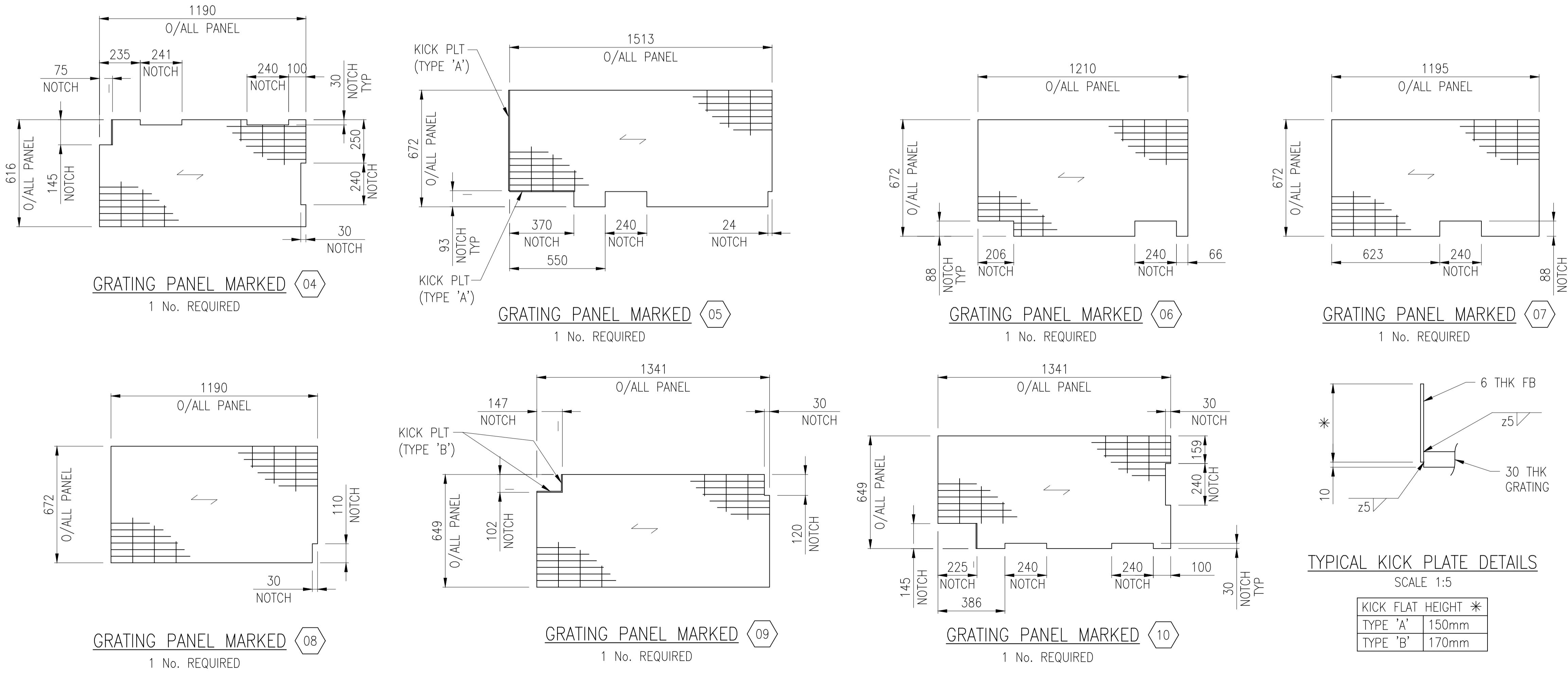
B1 13.08.24 MAJ MK GR AS ISSUED FOR CONSTRUCTION
REV DATE DRN BY DRG. CHECK ENG APPRO

REVISION DESCRIPTION

BB-D-S-04-GA-547-001-1C STAIR TOWER ACCESS STAIR OVERALL GENERAL ARRANGEMENT
DRG No. TITLE
REFERENCE DRAWINGS



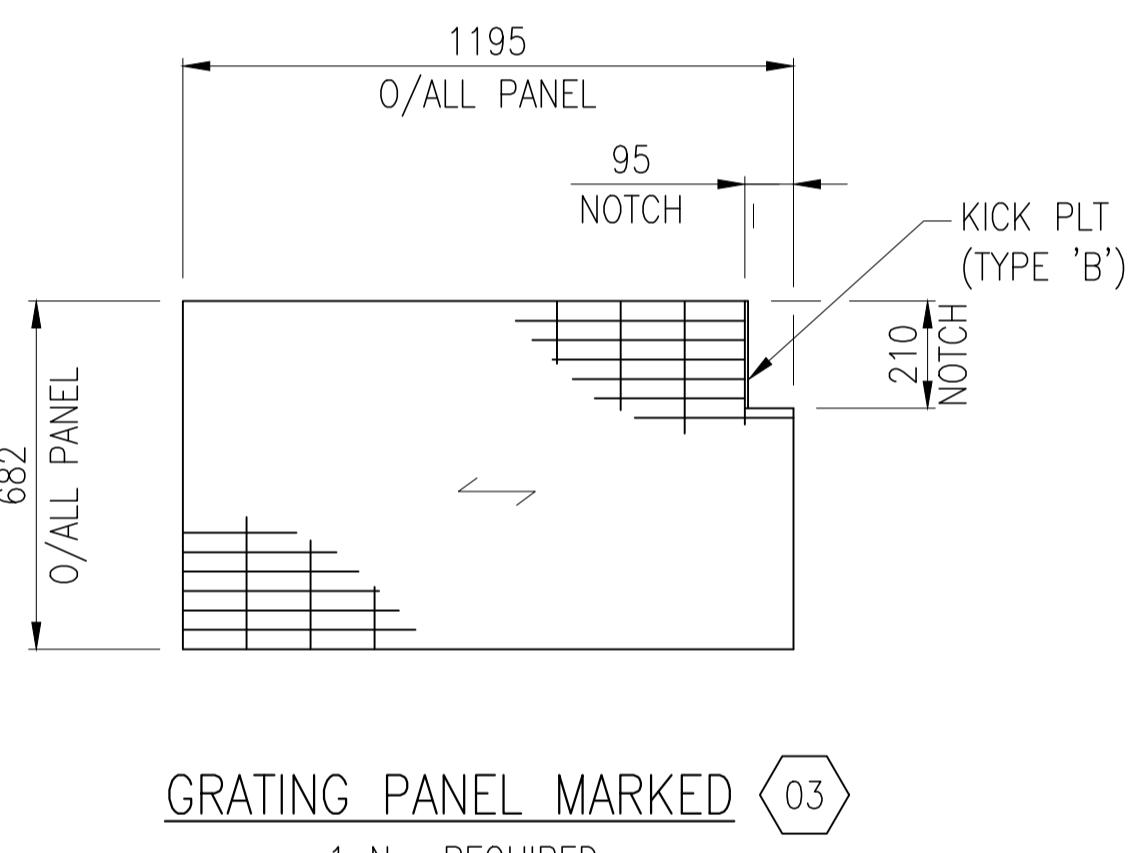
PART PLAN ON LEVEL 1 SHOWING GRATING PANEL LAYOUT
AT EL(+37.673 T.O.S. (REF)



TYPICAL KICK PLATE DETAILS
SCALE 1:5

KICK FLAT HEIGHT *	
TYPE 'A'	150mm
TYPE 'B'	170mm

- NOTES
- GRATING NOTES:-
1. GRATING PANELS TO BE 'LIONWELD KENNEDY SAFEGRID TYPE 35 BALL PROOF MACHINE SERRATED GRATING OR SIMILARLY APPROVED EQUIVALENT C/W 30x5 BEARER BARS @ 38 CENTRES WITH SQUARE TWISTED TRANSVERSE BARS @ 125 CENTRES. CUT EDGES AND PENETRATIONS TO BE BANDED USING 30x5 FLAT BARS.
 2. GRATING BINDING BARS TO BE WELDED AT EVERY L.B.B.
 3. GRATING PANELS TO BE HOT DIP GALVANISED IN ACCORDANCE WITH BS EN ISO 1461:2009. PRIOR TO GALVANISING GRATING TO BE SHOT BLAST TO SA 2.5 TO ACHIEVE A MINIMUM COATING OF 100 MICRONS AVERAGE DFT.
 4. GRATING PANELS AT THE TOP OF STAIRS & LADDERS SHALL HAVE INTEGRATED NOSING THRESHOLD BAR, PAINTED YELLOW 08-E-51 (BS4800) AFTER GALVANISING.
 5. GRATING PANELS TO BE SECURED TO STEELWORK USING 'LIONWELD KENNEDY' GRATING SADDLE TOP CLIP AND UNIVERSAL BOTTOM CLIP (TYPE 5) C/W M8 SETSCREW AND NUT OR EQUIVALENT, MINIMUM OF 4 PER PANEL AT MAX. SPACING 1000. LARGER PANELS TO HAVE ADDITIONAL FIXINGS AT INTERMEDIATE STEELWORK MEMBERS.
 6. MINIMUM OF 4 PER PANEL AT MAX. SPACING 10. LARGER PANELS TO HAVE ADDITIONAL FIXINGS AT INTERMEDIATE STEELWORK MEMBERS.
 7. GRATING PANEL BEARING BARS SPAN DENOTED THUS: ↗



ITEM	QTY	DESCRIPTION	WEIGHT
SHIPPING LIST PERTAINS TO THIS DRG. LISTED ITEMS TO BE PREFIXED BB-D-S-04-DT-561-001-1C			
SHIPPING LIST			
TOTAL WEIGHT OF MATERIAL THIS LIST = 318 kg			

Apache

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER LEVEL 1 GRATING
GENERAL ARRANGEMENT & DETAILS

A1

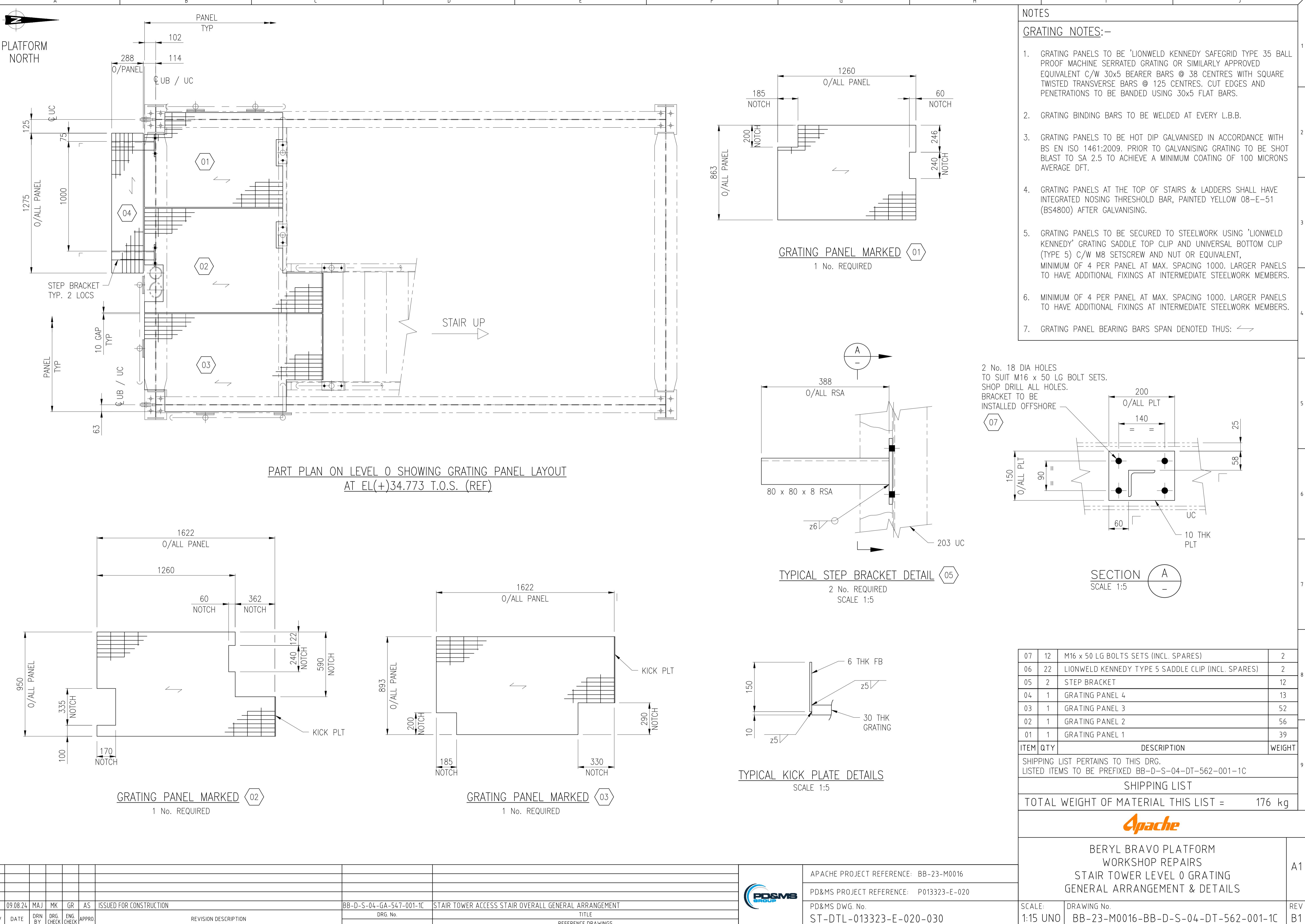


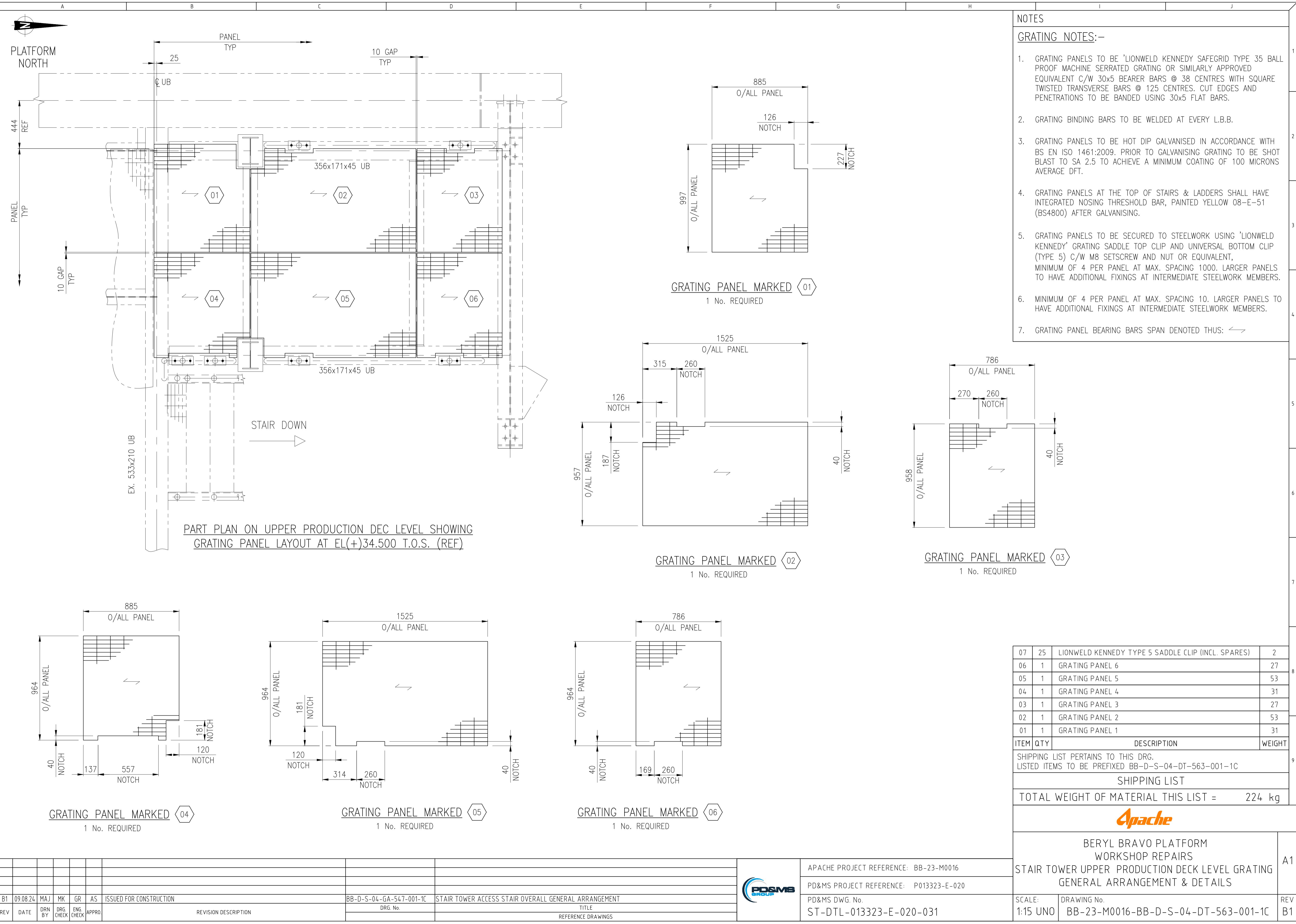
APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.
ST-DTL-013323-E-020-029

SCALE: 1:15 UNO DRAWING No.
BB-23-M0016-BB-D-S-04-DT-561-001-1C REV B1





NOTES

1. FOR NOTES AND SHIPPING LIST REFER TO DRG. No.
BB-D-S-04-GA-535-001-1C (U.N.O.).

A B C D E F G H I J

7600 O/A UC
2600 =
GRILLAGE & GUSSET PLTS

270
203x203x46 UC

5190 O/A UC
4650
203x203x46 UC
203x203x46 UC

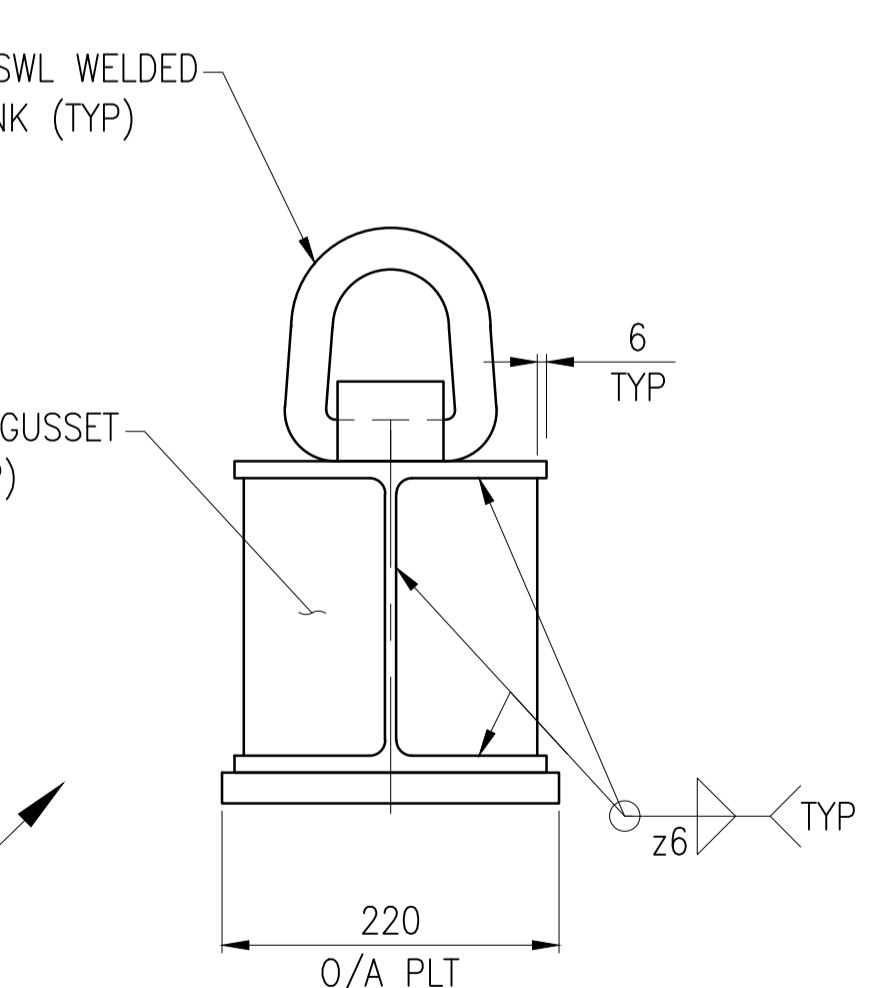
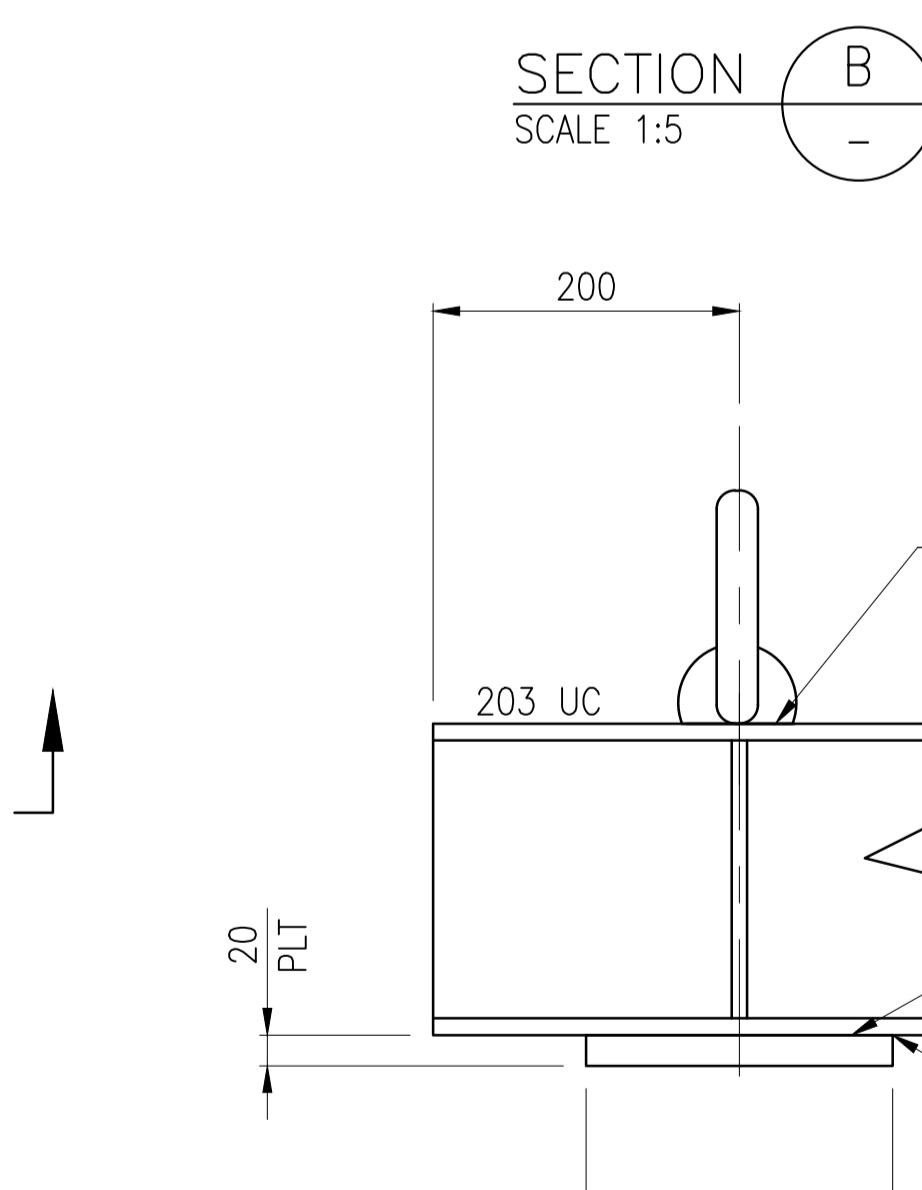
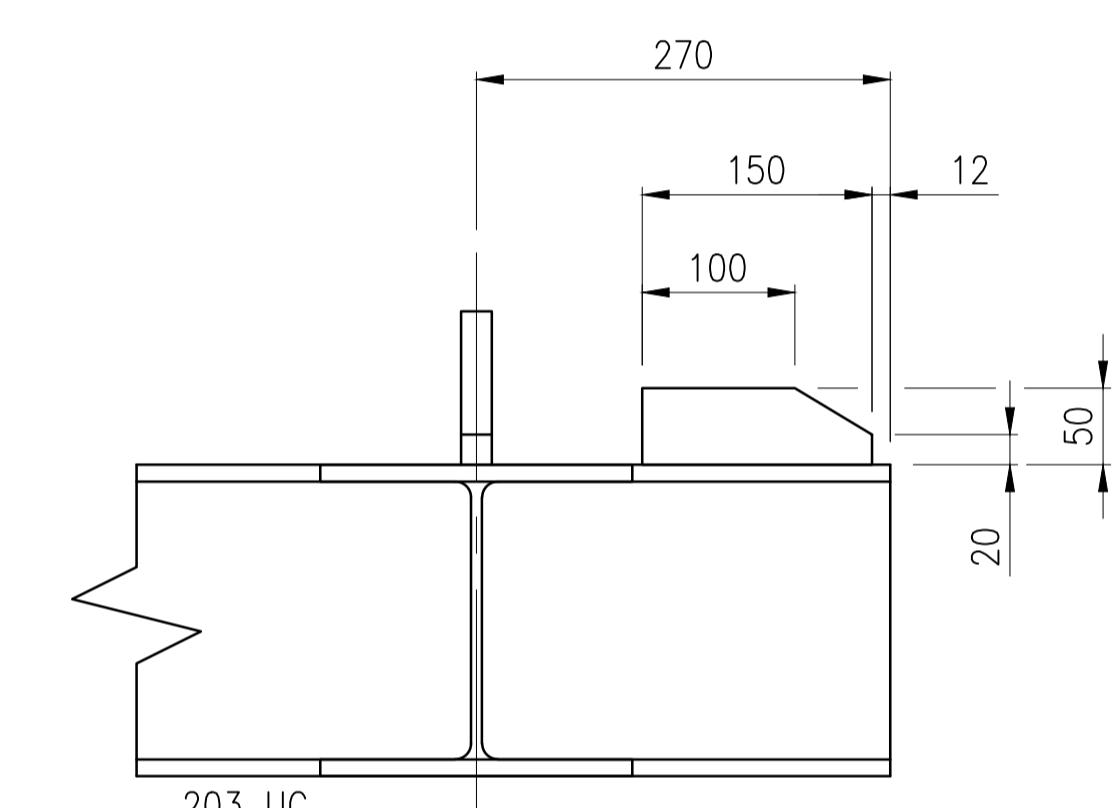
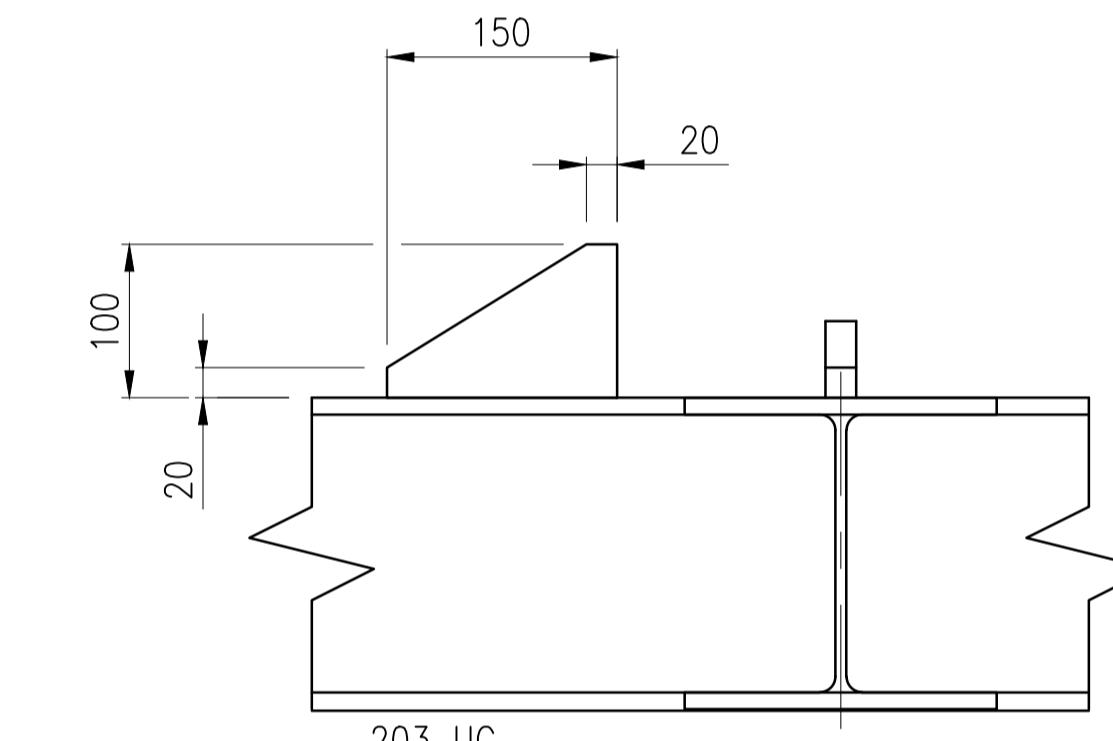
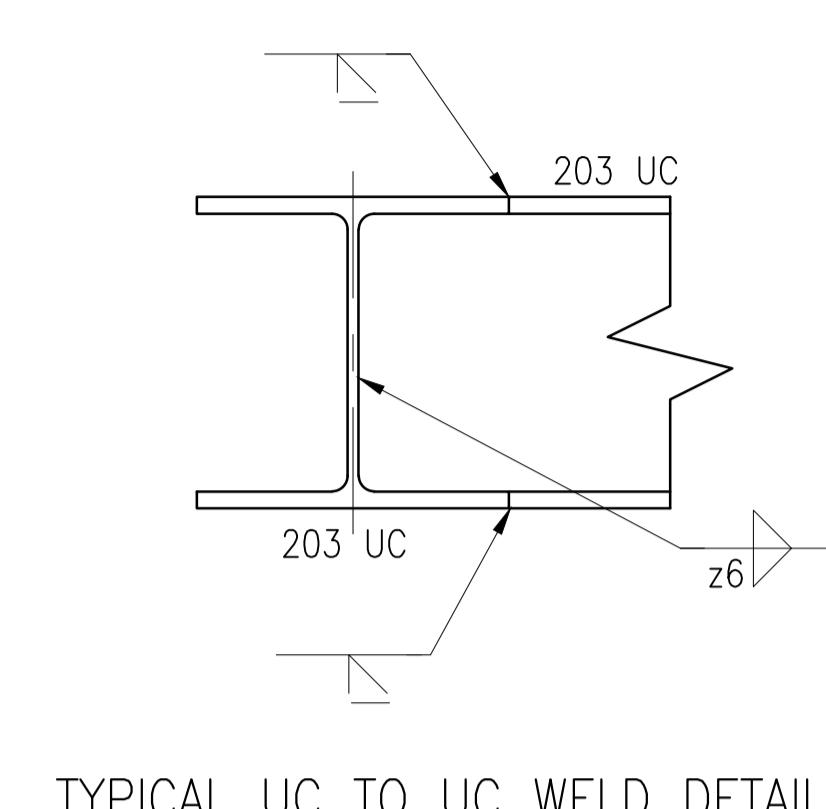
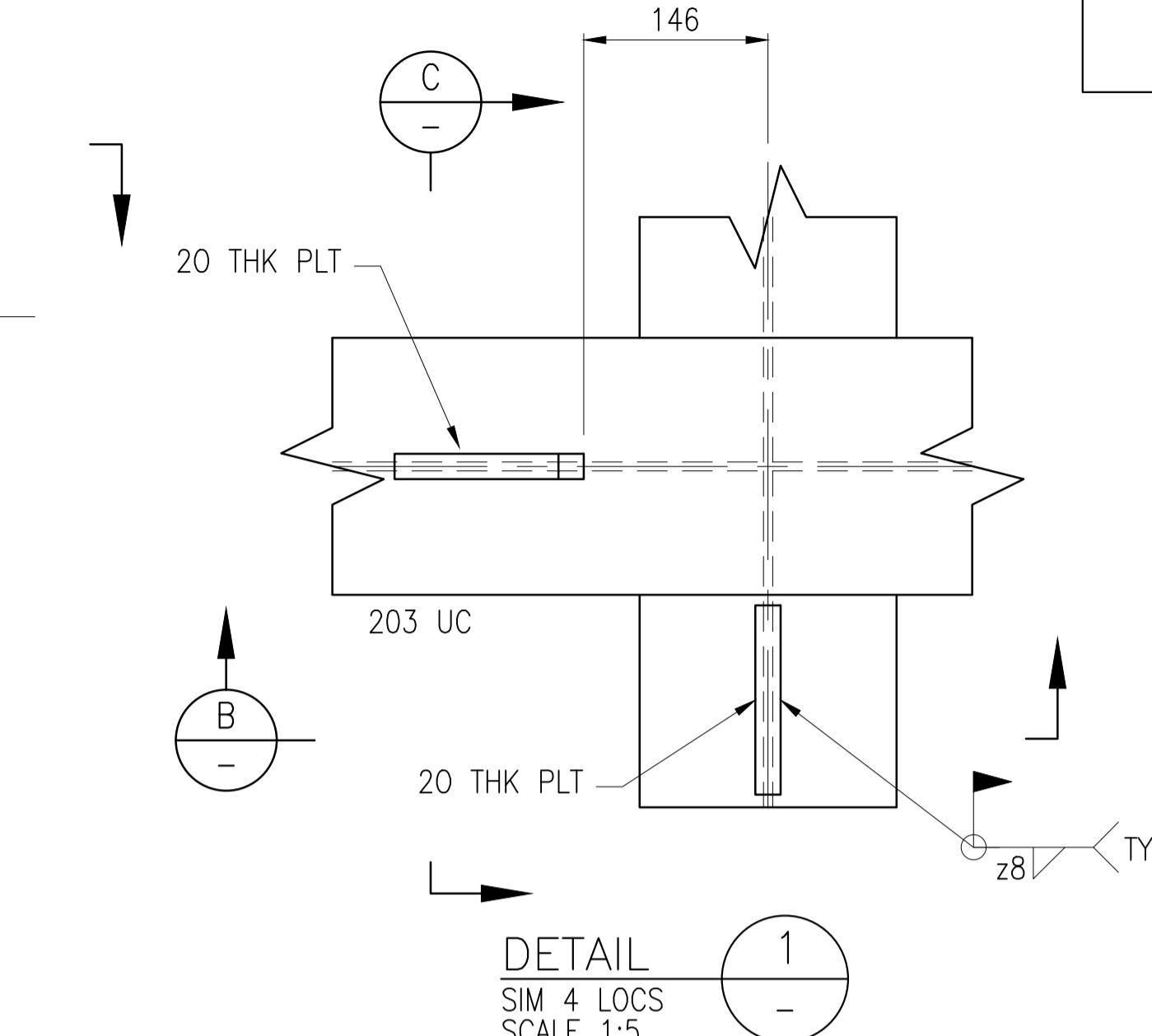
270
203x203x46 UC
203x203x46 UC

PLAN ON SEA FASTENING GRILLAGE ①

10 THK GUSSET PLTS
AS DETAIL 2.
(N/S & F/S)

20 THK PADS WELDED TO BOTH
GRILLAGE AND DECK ONSITE
TYP. 6 LOCS

VIEW
TYP 2 LOCS
A



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

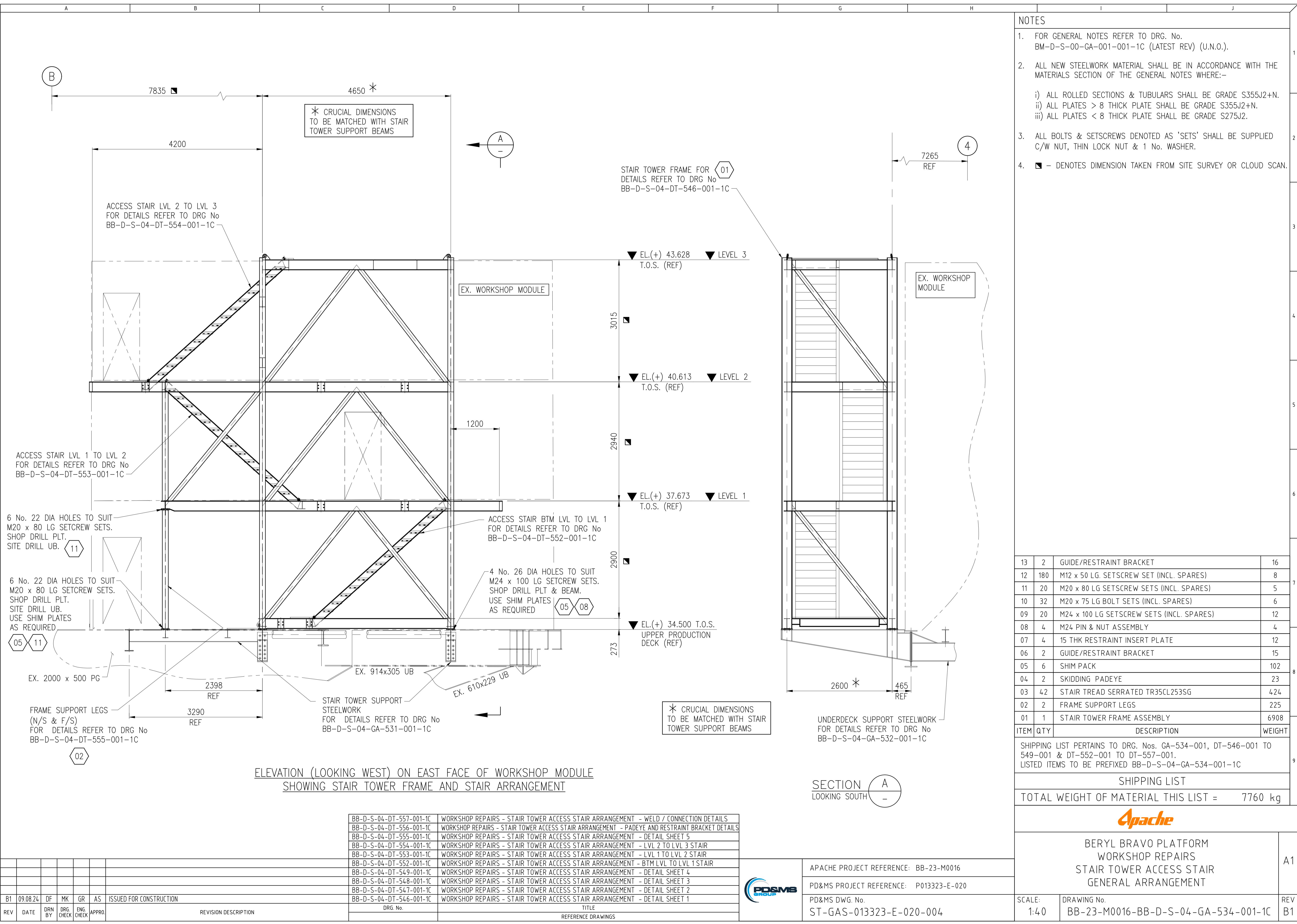
PD&MS DWG. No.
ST-DTL-013323-E-020-032**Apache**

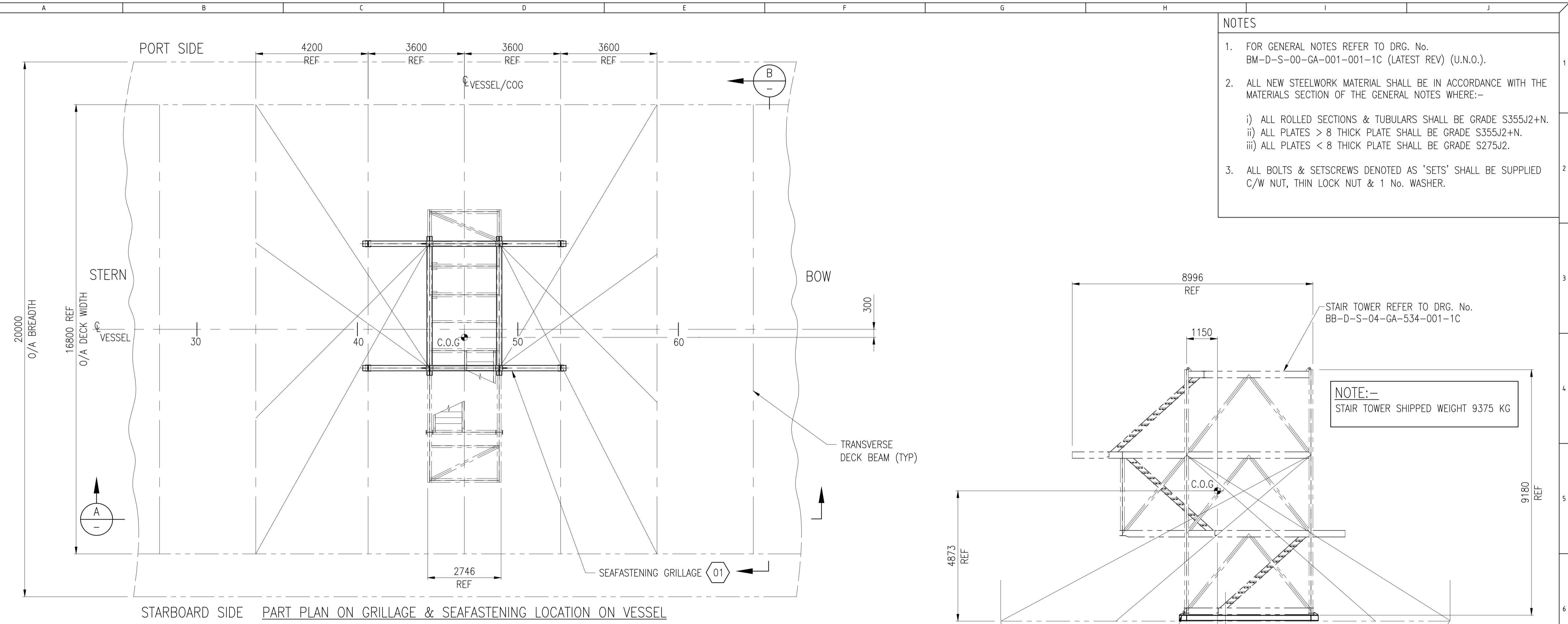
BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER SEA FASTENING & GRILLAGE
DETAILS

A1

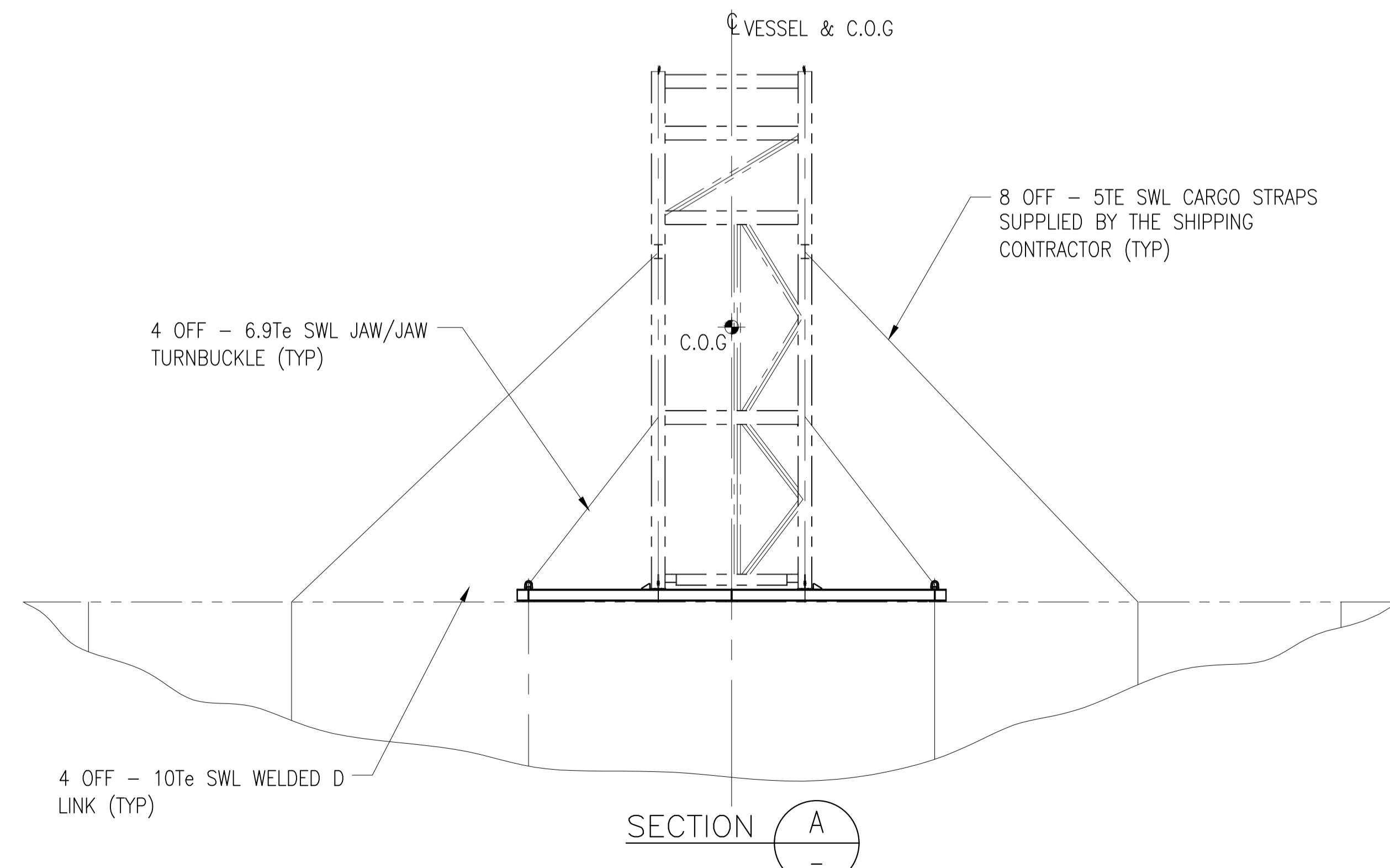
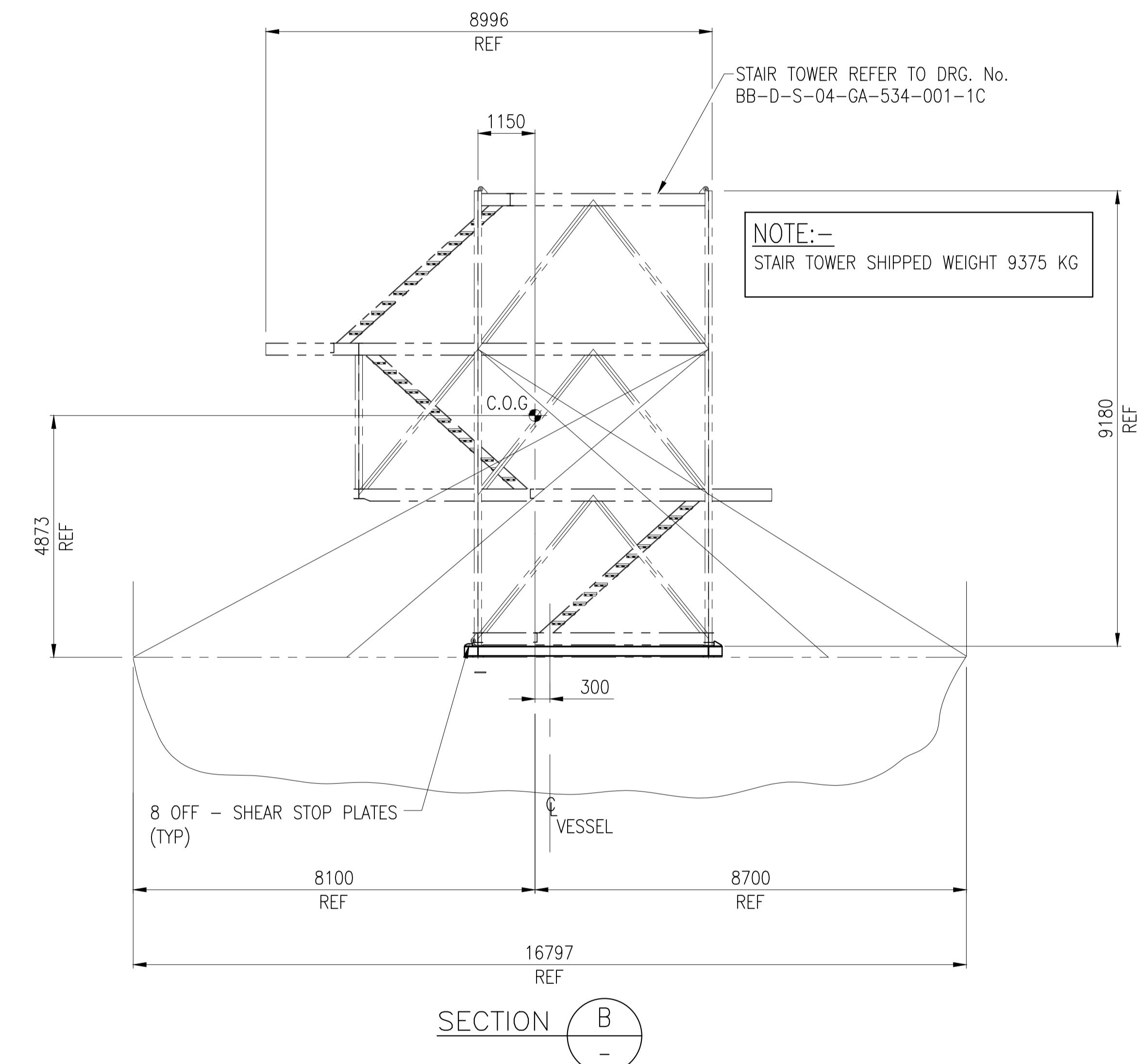
B1	09.08.24	DF	MAJ	GR	AS	ISSUED FOR CONSTRUCTION	BB-D-S-04-GA-535-001-1C	WORKSHOP REPAIRS - STAIR TOWER SEA FASTENING & GRILLAGE - GENERAL ARRANGEMENT	DRG. No.	TITLE	REFERENCE DRAWINGS
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO.	REVISION DESCRIPTION					

SCALE: 1:15 UNO	DRAWING No. BB-23-M0016-BB-D-S-04-DT-564-001-1C	REV B1
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- NOTES**
- FOR GENERAL NOTES REFER TO DRG. No. BM-D-S-00-GA-001-001-1C (LATEST REV) (U.N.O.).
 - ALL NEW STEELWORK MATERIAL SHALL BE IN ACCORDANCE WITH THE MATERIALS SECTION OF THE GENERAL NOTES WHERE:-
 - ALL ROLLED SECTIONS & TUBULARS SHALL BE GRADE S355J2+N.
 - ALL PLATES > 8 THICK PLATE SHALL BE GRADE S355J2+N.
 - ALL PLATES < 8 THICK PLATE SHALL BE GRADE S275J2.
 - ALL BOLTS & SETSCREWS DENOTED AS 'SETS' SHALL BE SUPPLIED C/W NUT, THIN LOCK NUT & 1 No. WASHER.



ITEM	QTY	DESCRIPTION	WEIGHT
SHIPPING LIST PERTAINS TO DRG. Nos. GA-535-001 & DT-564-001 LISTED ITEMS TO BE PREFIXED BB-D-S-04-GA-535-001-1C			
SHIPPING LIST			
TOTAL WEIGHT OF MATERIAL THIS LIST =			1265 kg

Apache

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER SEAFASTENING & GRILLAGE
GENERAL ARRANGEMENT



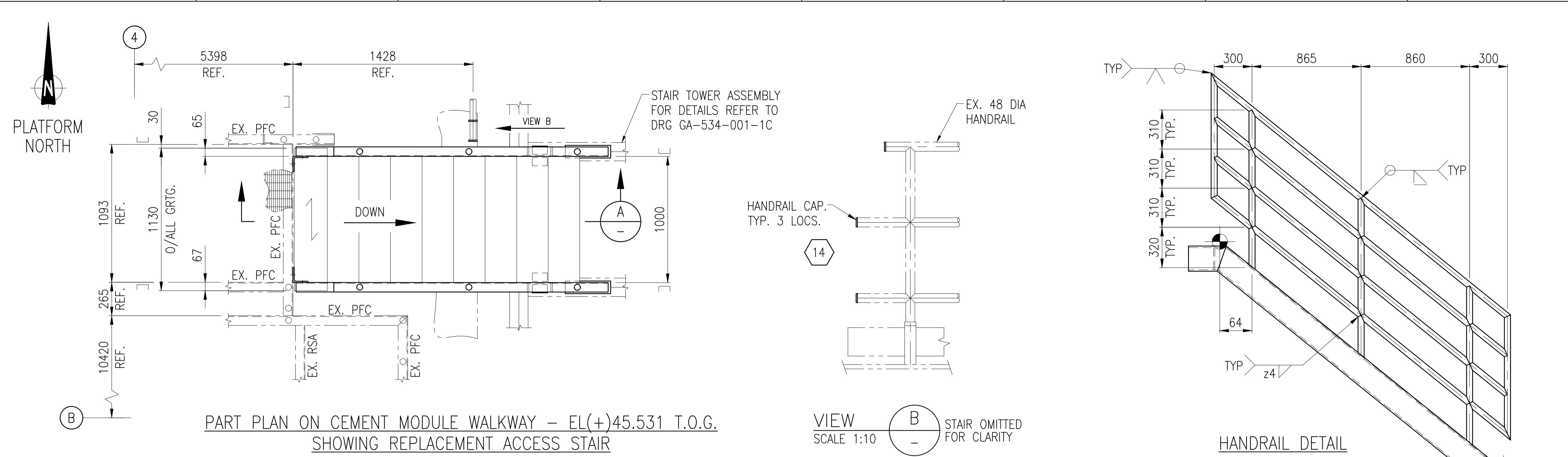
APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.
ST-GAS-013323-E-020-005

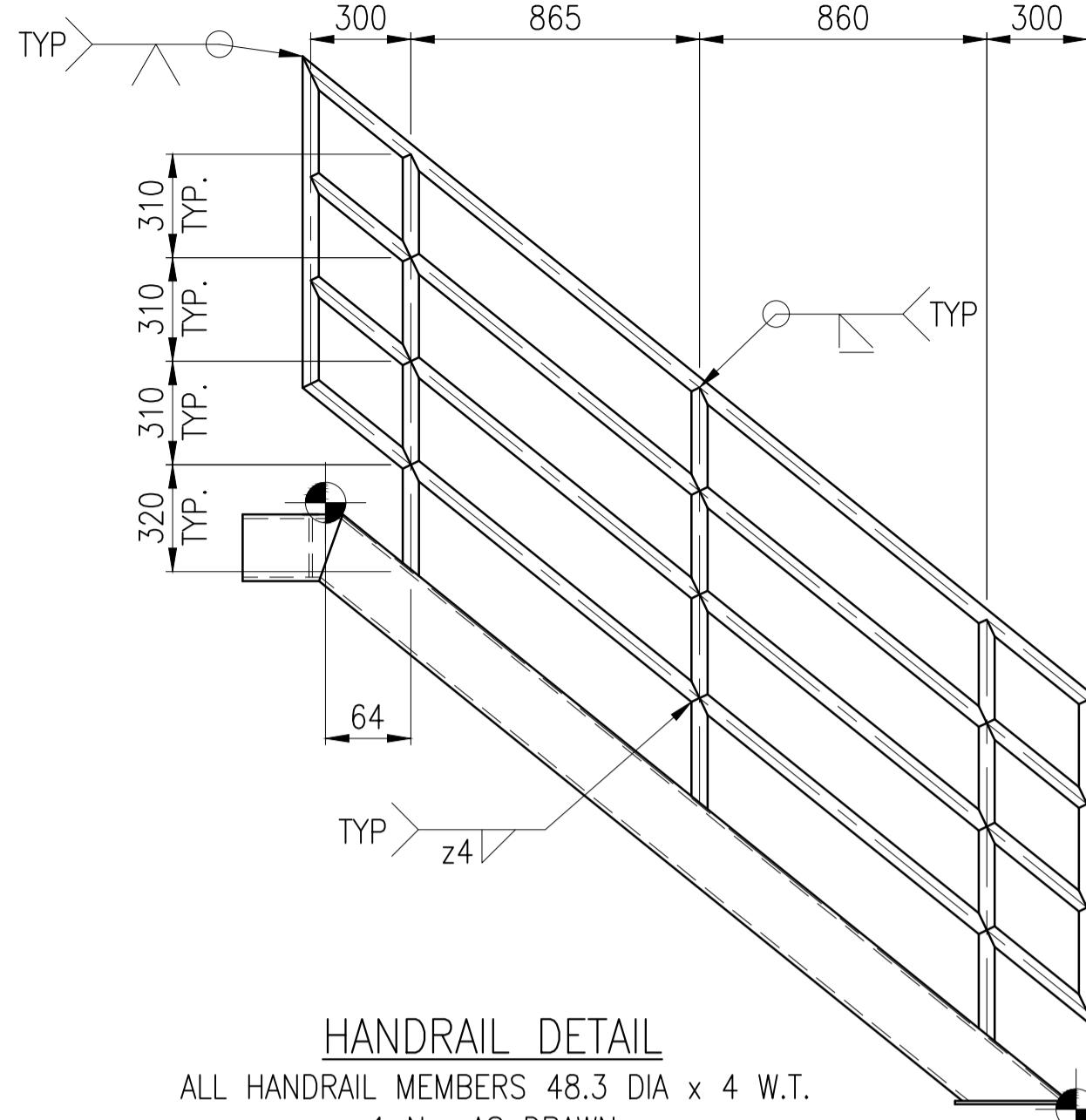
SCALE: 1:75 DRAWING No. BB-23-M0016-BB-D-S-04-GA-535-001-1C REV B1

B1	09.08.24	DF	MAJ	GR	AS	ISSUED FOR CONSTRUCTION	BB-D-S-04-DT-564-001-1C	WORKSHOP REPAIRS - STAIR TOWER SEA FASTENING & GRILLAGE - DETAILS	DRG. No.	TITLE	REFERENCE DRAWINGS
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO.	REVISION DESCRIPTION					



PART PLAN ON CEMENT MODULE WALKWAY – EL(+45.531 T.O.G.
SHOWING REPLACEMENT ACCESS STAIR

VIEW B STAIR OMITTED
SCALE 1:10 — FOR CLARITY

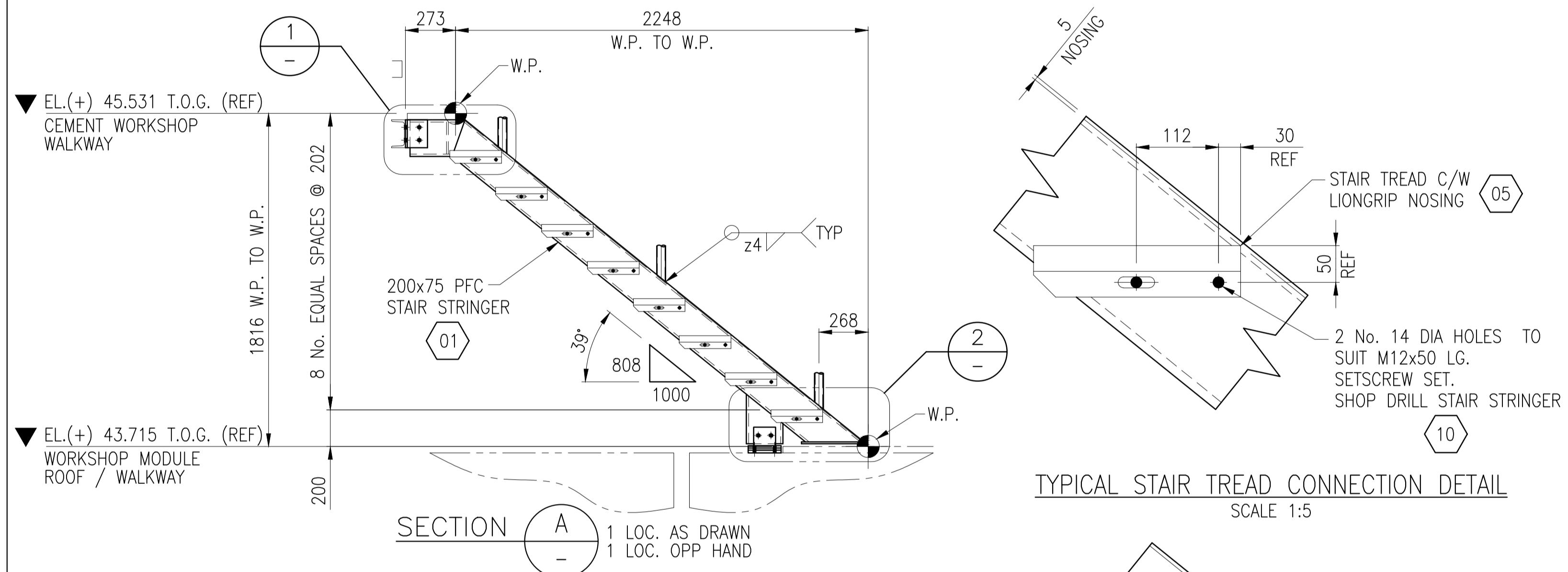


HANDRAIL DETAIL

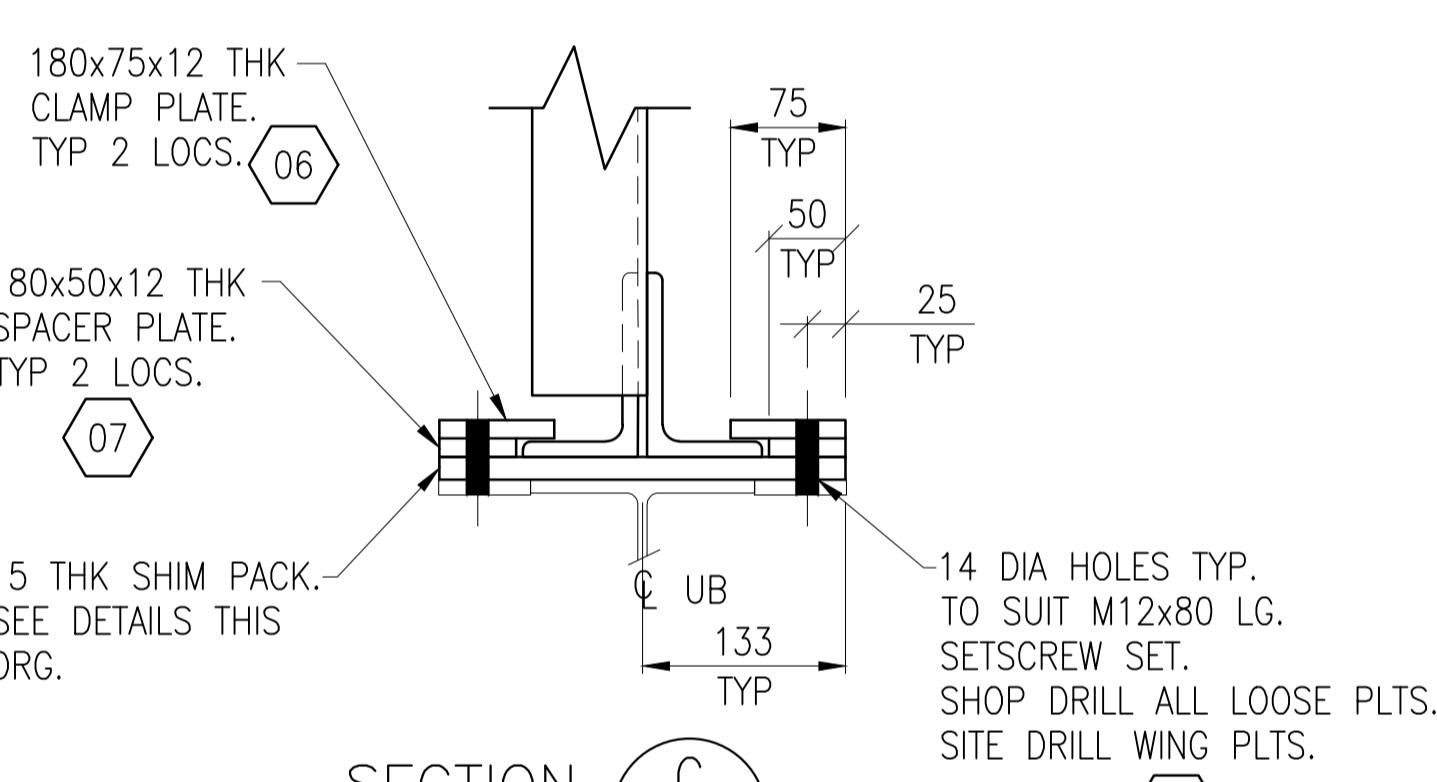
ALL HANDRAIL MEMBERS 48.3 DIA x 4 W.T.
1 No. AS DRAWN
1 No. OPP HAND

- NOTES**

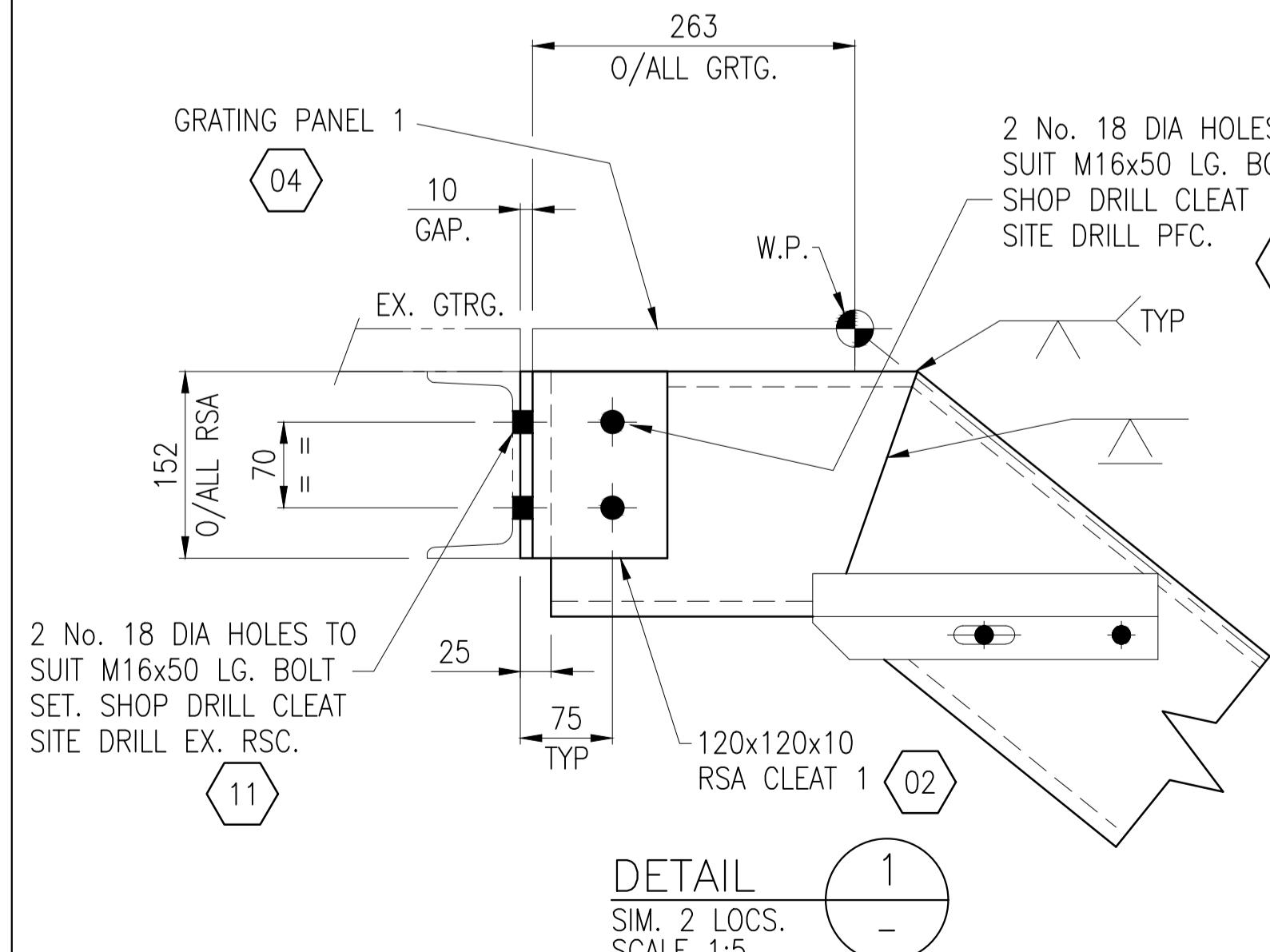
 1. FOR GENERAL NOTES REFER TO DRG. No. BB-D-S-00-GA-001-001-1C. 1
 2. ALL NEW STEELWORK MATERIAL SHALL BE IN ACCORDANCE WITH THE MATERIALS SECTION OF THE GENERAL NOTES WHERE:-
 - i) ALL ROLLED SECTIONS & TUBULARS SHALL BE GRADE S355J2+N.
 - ii) ALL PLATES ≥ 8 THICK PLATE SHALL BE GRADE S355J2+N.
 - iii) ALL PLATES < 8 THICK PLATE SHALL BE GRADE S275J2.
 3. ALL BOLTS & SETSCREWS DENOTED AS 'SETS' SHALL BE SUPPLIED C/W NUT, THIN LOCK NUT & 1 No. WASHER. 2
 4. ─ DENOTES DIMENSION TAKEN FROM SITE SURVEY OR CLOUD SCAN.
 5. ALL NEW STEELWORK HANDRAILS ASSEMBLIES SHALL BE SHOT BLASTED TO Sa2.5 IN ACCORDANCE WITH BS EN ISO 8504 & HOT DIPPED GALVANISED IN ACCORDANCE WITH BS EN ISO 1461-2009.
 6. VENT HOLES SHALL BE DRILLED ON THE UNDERSIDE OF ALL CLOSED TUBES PRIOR TO GALVANISING. VENT HOLES TO BE SUBSEQUENTLY SEALED WITH PLASTIC GROMMETS. 3
 7. POST GALVANISING & HANDRAIL ASSEMBLIES ARE TO BE OVER PAINTED IN ACCORDANCE WITH APACHE NORTH SEA LTD GENERAL COATING SPECIFICATION, SYSTEM No COAT/05/L, FINISH COLOUR YELLOW TO BS 4800, 10-E-53.
 8. GRATING PANELS TO BE 'LIONWELD KENNEDY SAFEGRID' TYPE '35 BALL' SERRATED GRATING OR SIMILAR APPROVED EQUIVALENT C/W 35 x 5 BEARER BARS AT 23 CENTRES WITH SQUARE TWISTED TRANSVERSE BARS AT 100 CENTRES. CUT EDGES & PENETRATIONS TO BE BANDED USING 35 x 5 FLAT BARS UNLESS NOTED. 4
 9. ALL GRATING PANEL ASSEMBLIES SHALL BE SHOT BLASTED TO Sa2.5 IN ACCORDANCE WITH BS EN ISO 8504 AND HOT DIPPED GALVANISED IN ACCORDANCE WITH BS EN ISO 1461-2009.
 10. → DENOTES DIRECTION OF BEARING BARS. 5
 11. GRATING PANELS U.N.O. TO BE SECURED TO STEELWORK USING 'LIONWELD KENNEDY' GRATING SADDLE TOP CLIP AND UNIVERSAL BOTTOM CLIP (TYPE 5) C/W M8 SETSCREW AND NUT, MINIMUM OF 4 PER PANEL AT MAX. SPACING 1000.



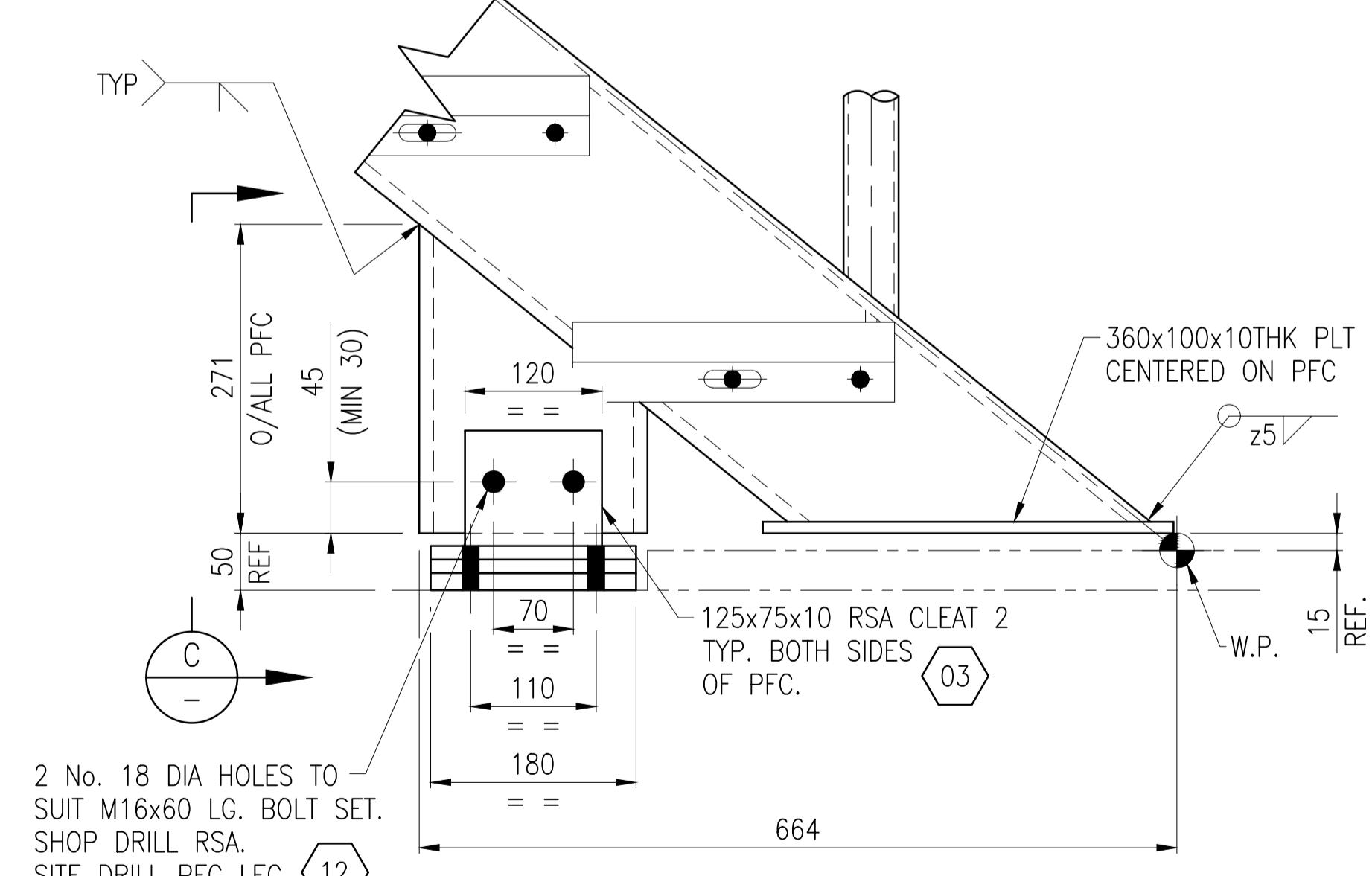
TYPICAL STAIR TREAD CONNECTION DETAIL



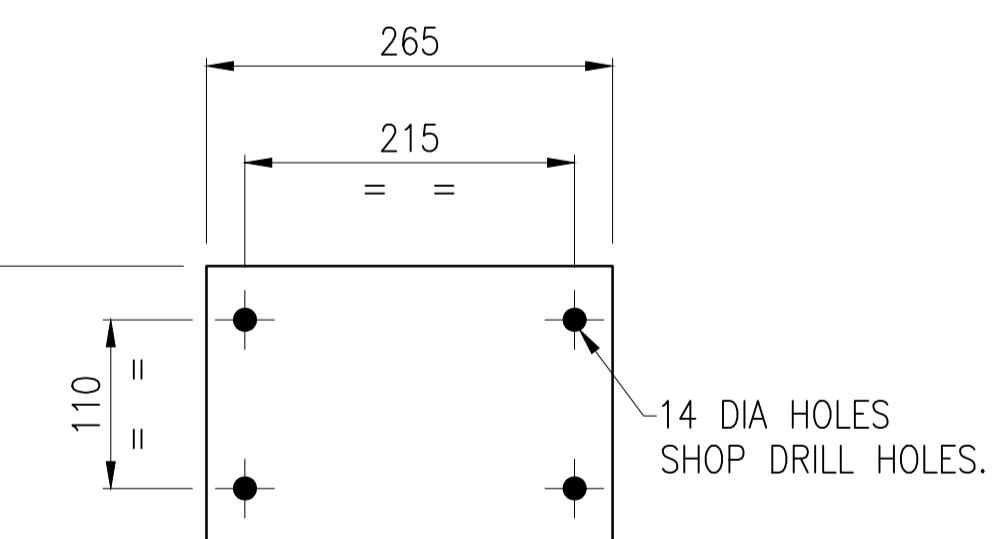
SECTION
1 LOC. AS DRAWN
1 LOC. OPP HAND
SCALE 1:5



DETAIL  1
SIM. 2 LOCS.
SCALE 1:5



DETAIL 2 ALL SECTION
SIM. 2 LOCS. 200x75 PFC U.N.O.
SCALE 1:5



NOM. 15 THK SHIM PACK DETAIL <08>

SCALE 1:5
2 No. PACKS REQUIRED
1 No. 10 THK
2 No. 5 THK
2 No. 3 THK
2 No. 2 THK

14	5	HANDRAIL CAP (INCL.SPARES)	1
13	6	LIONWELD KENNEDY TYPE 5 SADDLE CLIP C/W FASTENERS (INCL.SPARES)	1
12	6	M16 x 60 LG. BOLT SET (INCL.SPARES)	2
11	10	M16 x 50 LG. BOLT SET (INCL.SPARES)	2
10	35	M12 x 50 LG. SETSCREW SET (INCL.SPARES)	3
09	10	M12 x 90 LG. SETSCREW SET (INCL.SPARES)	2
08	2	15 THK SHIM PACK	23
07	4	SPACER PLATE	3
06	4	CLAMP PLATE	5
05	8	STAIR TREAD C/W LIONGRIP NOSING SERRATED TR35CL253SG	88
04	1	GRATING PANEL	9
03	2	RSA CLEAT 2	7
02	2	RSA CLEAT 1	6
01	2	STAIR STRINGER ASSY	362
ITEM	QTY	DESCRIPTION	WEIGHT
SHIPPING LIST PERTAINS TO THIS DRAWING ONLY.			
LISTED ITEMS TO BE PREFIXED BB-D-S-04-GA-540-001-1C			
SHIPPING LIST			
TOTAL WEIGHT OF MATERIAL THIS LIST =			514 kg

Agache

BERYL BRAVO PLATFORM WORKSHOP REPAIRS REPLACEMENT ACCESS STAIR GENERAL ARRANGEMENT & DETAILS



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.
ST-GAS-013323-E-020-006

A

B

C

D

E

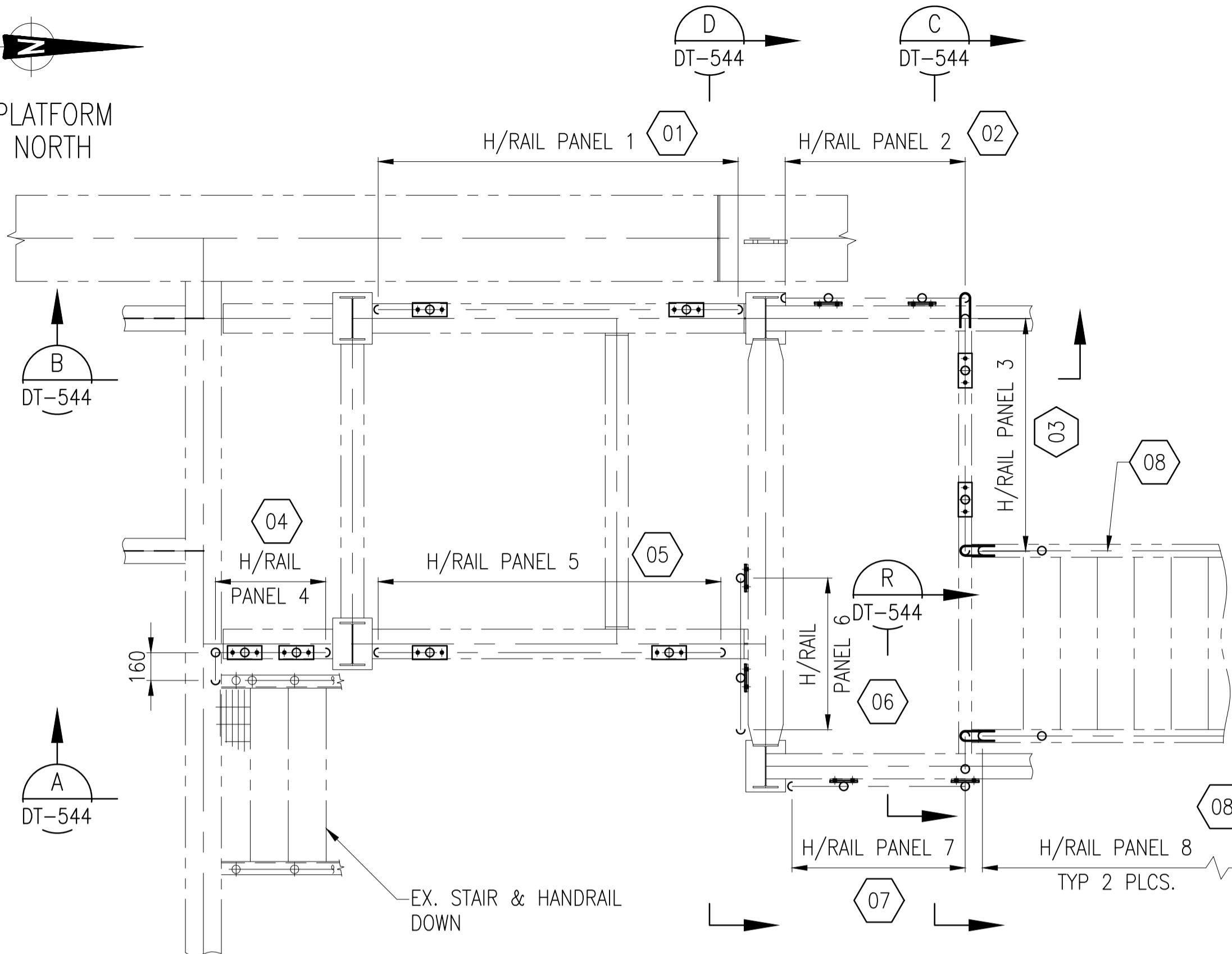
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G

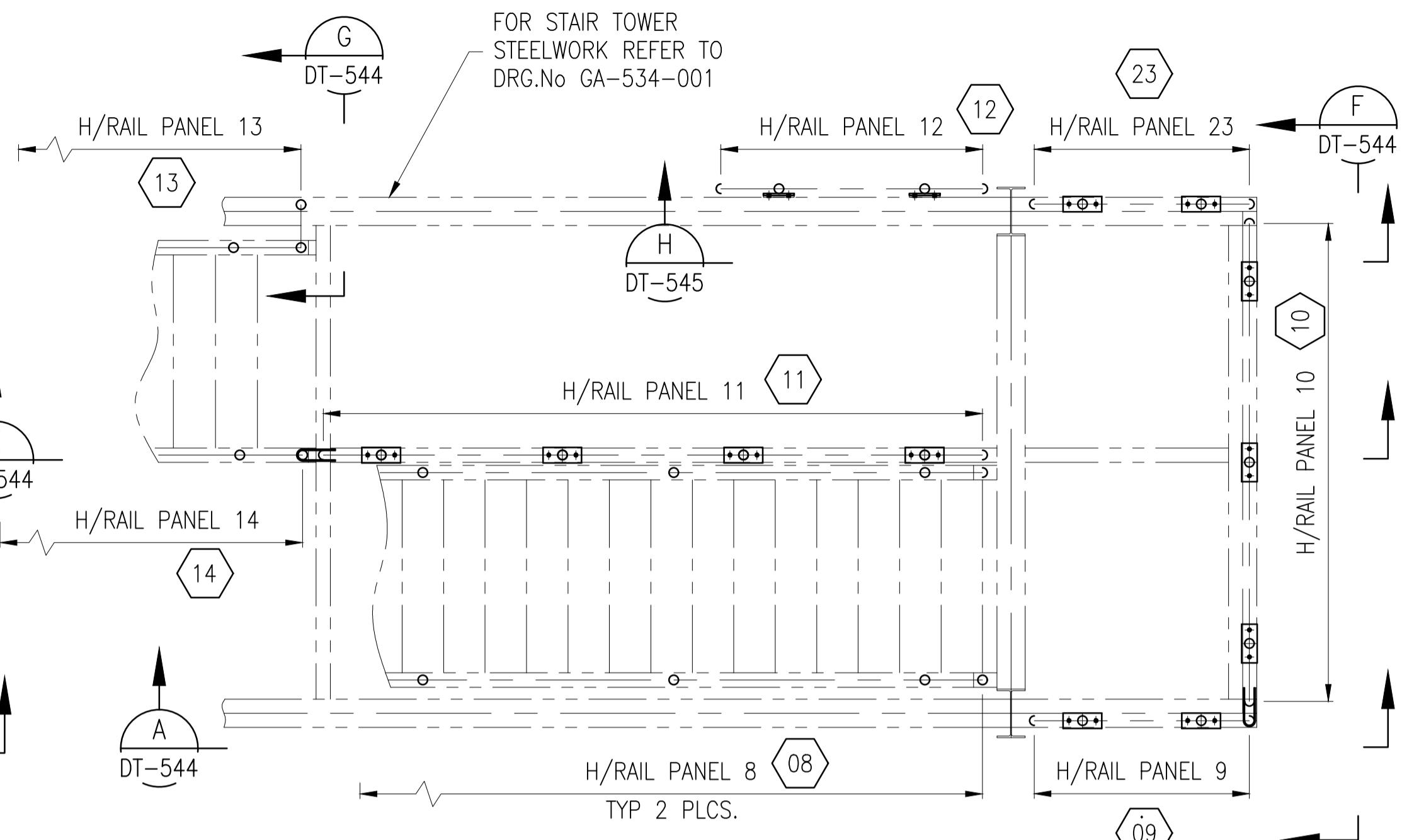
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NOTES

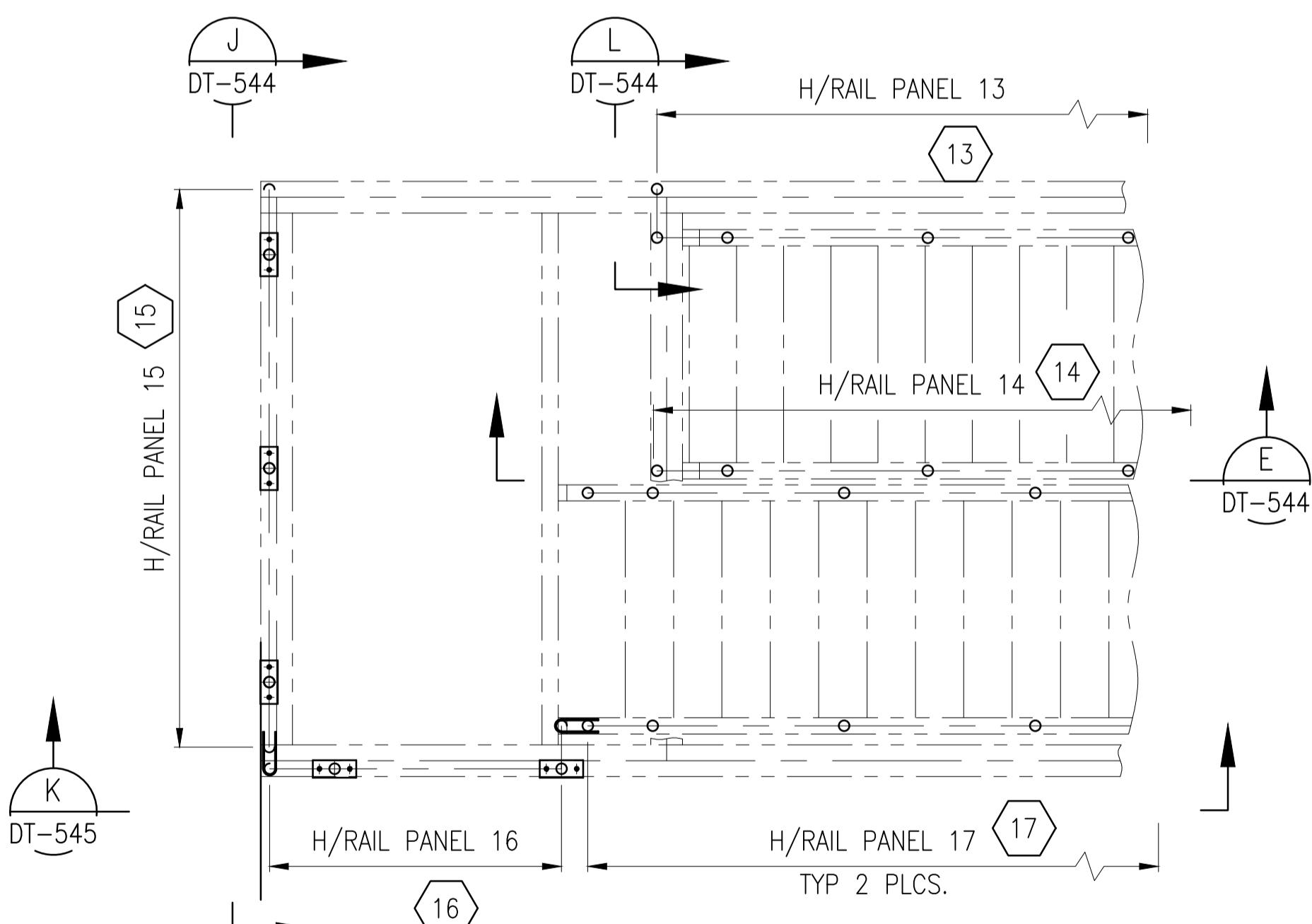
- FOR GENERAL NOTES REFER TO DRG. No. BM-D-S-00-GA-001-001-1C (LATEST REV) (U.N.O.).
- ALL NEW STEELWORK MATERIAL SHALL BE IN ACCORDANCE WITH THE MATERIALS SECTION OF THE GENERAL NOTES WHERE:
 - ALL ROLLED SECTIONS & TUBULARS SHALL BE GRADE S355J2+N.
 - ALL PLATES ≥ 8 THICK PLATE SHALL BE GRADE S355J2+N.
 - ALL PLATES < 8 THICK PLATE SHALL BE GRADE S275J2.
- ALL BOLTS & SETSCREWS DENOTED AS 'SETS' SHALL BE SUPPLIED C/W NUT, THIN LOCK NUT & 1 NO. WASHER.
- - DENOTES DIMENSION TAKEN FROM SITE SURVEY OR CLOUD SCAN.
- DESTRUCT STEELWORK DENOTED THUS:
- OFFSHORE CUT LINE DENOTED THUS:

PLATFORM
NORTH

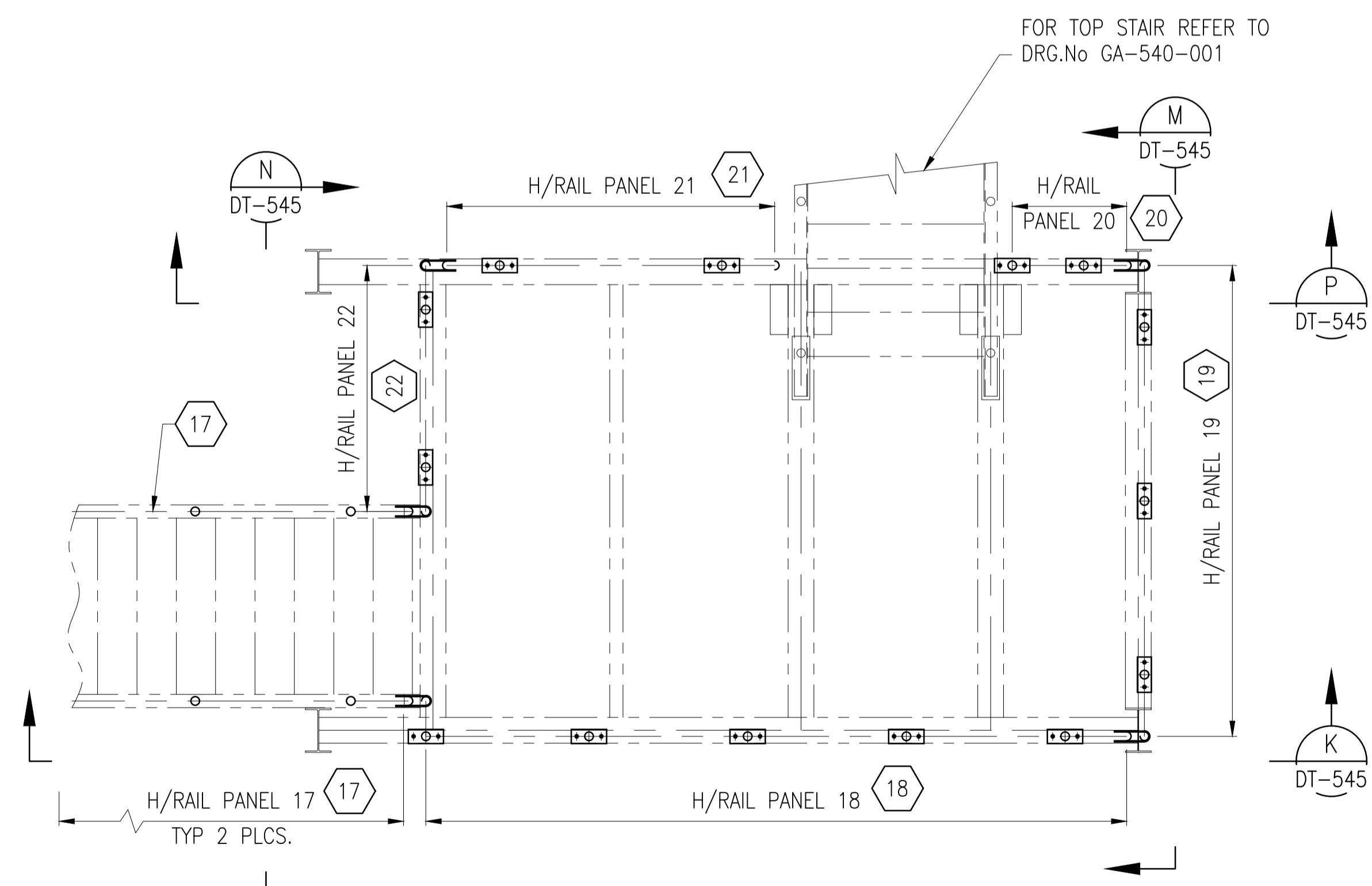
PART PLAN ON STAIR ACCESS TOWER SHOWING
HANDRAIL LAYOUT AT LEVEL 0 EL(+) 34.500 T.O.S.
ALL MEMBERS TO BE 48.3 DIA x 5 CHS U.N.O.
KICK FLATS TO BE 150 x 6 FB



PART PLAN ON STAIR ACCESS TOWER SHOWING
HANDRAIL LAYOUT AT LEVEL 1 EL(+) 37.673 T.O.S.
ALL MEMBERS TO BE 48.3 DIA x 5 CHS U.N.O.
KICK FLATS TO BE 150 x 6 FB



PART PLAN ON STAIR ACCESS TOWER SHOWING
HANDRAIL LAYOUT AT LEVEL 2 EL(+) 40.613 T.O.S.
ALL MEMBERS TO BE 48.3 DIA x 5 CHS U.N.O.
KICK FLATS TO BE 150 x 6 FB



PART PLAN ON STAIR ACCESS TOWER SHOWING
HANDRAIL LAYOUT AT LEVEL 3 EL(+) 43.628 T.O.S.
ALL MEMBERS TO BE 48.3 DIA x 5 CHS U.N.O.
KICK FLATS TO BE 150 x 6 FB

26	28	M12 x 90 LG BOLT SET (INCL SPARES)	3
25	14	HANDRAIL CLAMP	14
24	155	M16 x 60 LG SETSCREW SET (INCL SPARES)	26
23	1	HANDRAIL PANEL 23	64
22	1	HANDRAIL PANEL 22	72
21	1	HANDRAIL PANEL 21	85
20	1	HANDRAIL PANEL 20	40
19	1	HANDRAIL PANEL 19	111
18	1	HANDRAIL PANEL 18	161
17	2	HANDRAIL PANEL 17	139
16	1	HANDRAIL PANEL 16	73
15	1	HANDRAIL PANEL 15	113
14	1	HANDRAIL PANEL 14	144
13	1	HANDRAIL PANEL 13	150
12	1	HANDRAIL PANEL 12	72
11	1	HANDRAIL PANEL 11	127
10	1	HANDRAIL PANEL 10	110
09	1	HANDRAIL PANEL 9	64
08	2	HANDRAIL PANEL 8	161
07	1	HANDRAIL PANEL 7	57
06	1	HANDRAIL PANEL 6	53
05	1	HANDRAIL PANEL 5	89
04	1	HANDRAIL PANEL 4	62
03	1	HANDRAIL PANEL 3	65
02	1	HANDRAIL PANEL 2	68
01	1	HANDRAIL PANEL 1	90
ITEM	QTY	DESCRIPTION	WEIGHT

SHIPPING LIST
TOTAL WEIGHT OF MATERIAL THIS LIST = 2219 kg

BERYL BRAVO PLATFORM
WORKSHOP MODULE
REPLACEMENT STAIR TOWER
HANDRAIL GENERAL ARRANGEMENT

A1



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.

ST-GAS-013323-E-020-007

SCALE:

1:25

DRAWING No.
BB-23-M0016-BB-D-S-04-GA-541-001-1C

REV

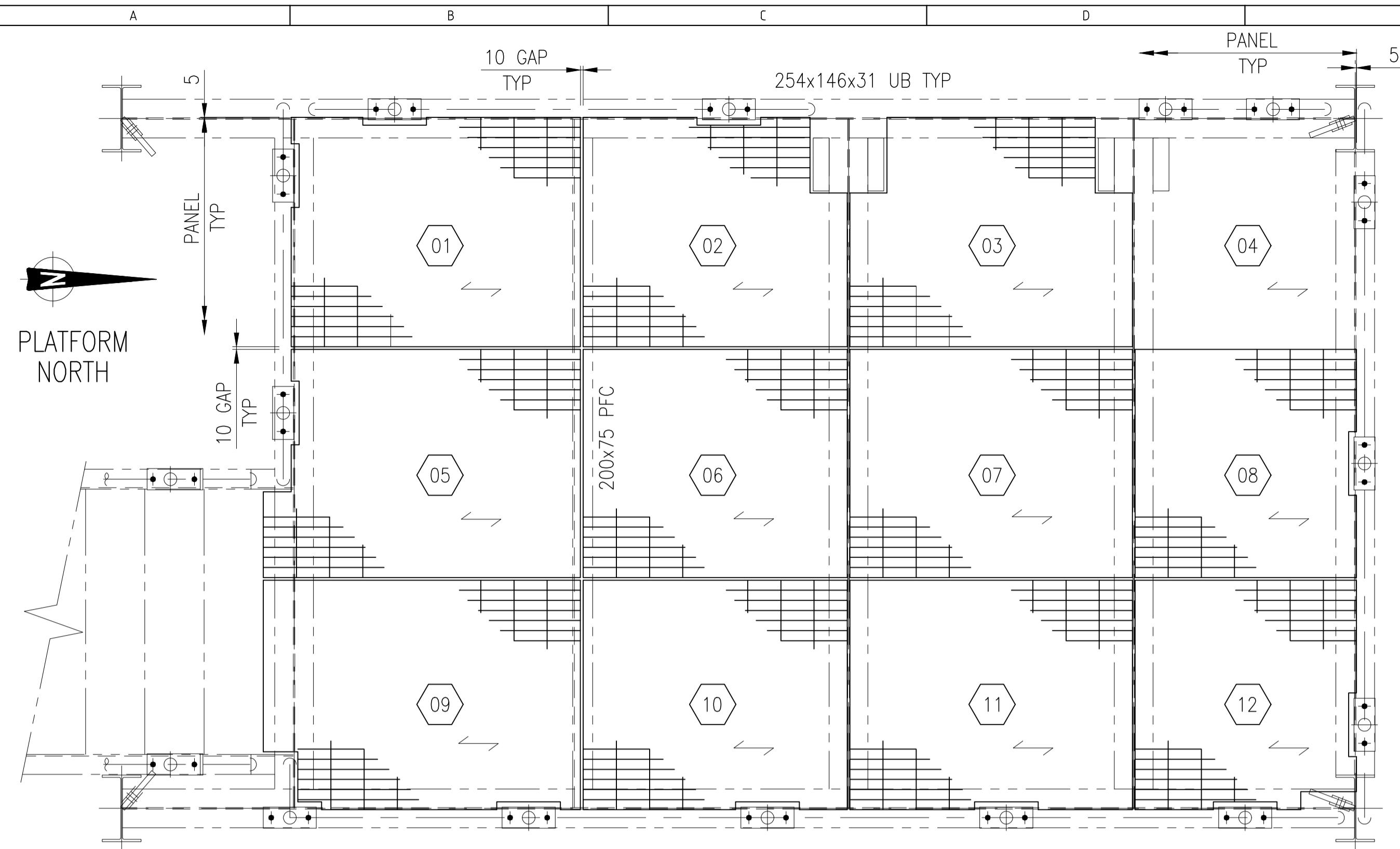
B1

B1	09.08.24	RG	MAJ	GR	AS	ISSUED FOR CONSTRUCTION	BB-D-S-04-DT-545-001-1C	REPLACEMENT STAIR TOWER HANDRAIL DETAIL SHEET 2
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO.	REVISION DESCRIPTION	BB-D-S-04-DT-544-001-1C	REPLACEMENT STAIR TOWER HANDRAIL DETAIL SHEET 1

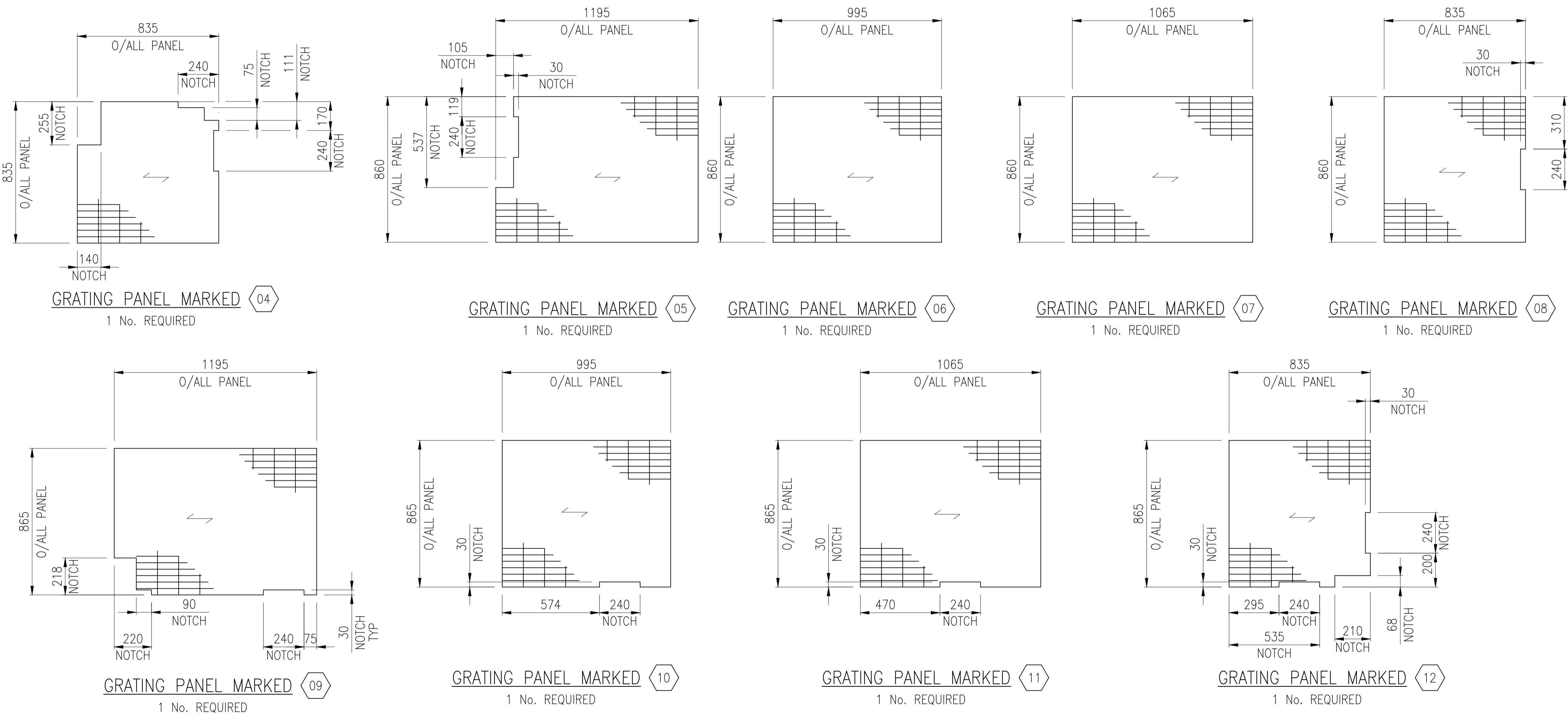
DRG. No.

TITLE

REFERENCE DRAWINGS



PART PLAN ON LEVEL 3 SHOWING GRATING PANEL LAYOUT AT EL(+43.628) T.O.S. (REF)



GRATING PANEL MARKED 01

1 No. REQUIRED

GRATING PANEL MARKED 02

1 No. REQUIRED

GRATING PANEL MARKED 03

1 No. REQUIRED

GRATING PANEL MARKED 04

1 No. REQUIRED

GRATING PANEL MARKED 05

1 No. REQUIRED

GRATING PANEL MARKED 06

1 No. REQUIRED

GRATING PANEL MARKED 07

1 No. REQUIRED

GRATING PANEL MARKED 08

1 No. REQUIRED

GRATING PANEL MARKED 09

1 No. REQUIRED

GRATING PANEL MARKED 10

1 No. REQUIRED

GRATING PANEL MARKED 11

1 No. REQUIRED

GRATING PANEL MARKED 12

1 No. REQUIRED

Apache

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER LEVEL 3 GRATING
GENERAL ARRANGEMENT & DETAILS

A1

B1 09.08.24 MAJ MK GR AS ISSUED FOR CONSTRUCTION

REV DATE DRN BY DRG CHECK ENG APPRO

REVISION DESCRIPTION

BB-D-S-04-GA-547-001-1C STAIR TOWER ACCESS STAIR OVERALL GENERAL ARRANGEMENT

DRG No. TITLE

REFERENCE DRAWINGS



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.

ST-GAS-013323-020-008

NOTES

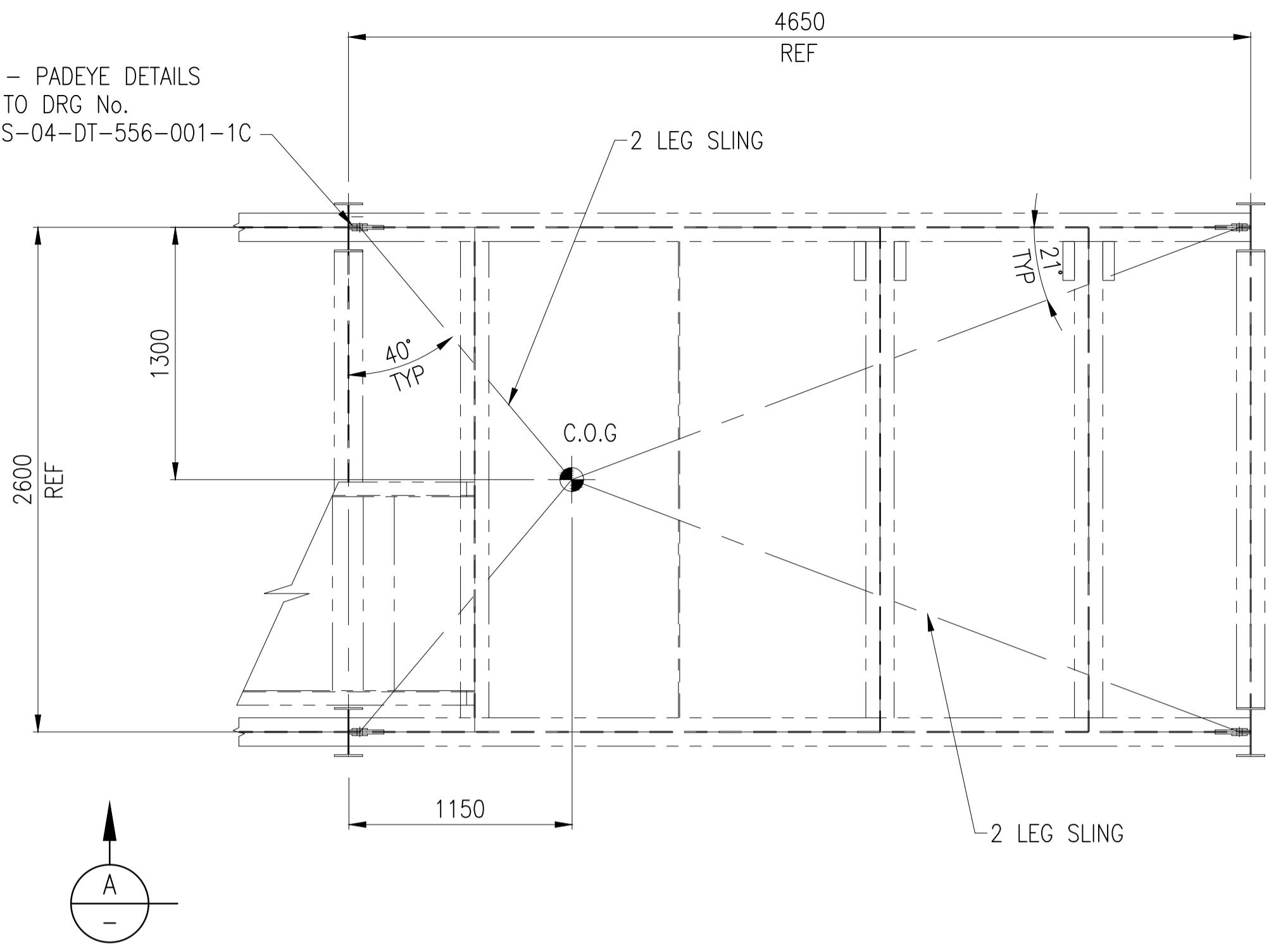
GRATING NOTES:-

1. GRATING PANELS TO BE 'LIONWELD KENNEDY SAFEGRID TYPE 35 BALL PROOF MACHINE SERRATED GRATING OR SIMILARLY APPROVED EQUIVALENT C/W 30x5 BEARER BARS @ 38 CENTRES WITH SQUARE TWISTED TRANSVERSE BARS @ 125 CENTRES. CUT EDGES AND PENETRATIONS TO BE BANDED USING 30x5 FLAT BARS.
2. GRATING BINDING BARS TO BE WELDED AT EVERY L.B.B.
3. GRATING PANELS TO BE HOT DIP GALVANISED IN ACCORDANCE WITH BS EN ISO 1461:2009. PRIOR TO GALVANISING GRATING TO BE SHOT BLAST TO SA 2.5 TO ACHIEVE A MINIMUM COATING OF 100 MICRONS AVERAGE DFT.
4. GRATING PANELS AT THE TOP OF STAIRS & LADDERS SHALL HAVE INTEGRATED NOSING THRESHOLD BAR, PAINTED YELLOW 08-E-51 (BS4800) AFTER GALVANISING.
5. GRATING PANELS TO BE SECURED TO STEELWORK USING 'LIONWELD KENNEDY' GRATING SADDLE TOP CLIP AND UNIVERSAL BOTTOM CLIP (TYPE 5) C/W M8 SETSCREW AND NUT OR EQUIVALENT, MINIMUM OF 4 PER PANEL AT MAX. SPACING 1000. LARGER PANELS TO HAVE ADDITIONAL FIXINGS AT INTERMEDIATE STEELWORK MEMBERS.
6. MINIMUM OF 4 PER PANEL AT MAX. SPACING 1000. LARGER PANELS TO HAVE ADDITIONAL FIXINGS AT INTERMEDIATE STEELWORK MEMBERS.
7. GRATING PANEL BEARING BARS SPAN DENOTED THUS: ↗

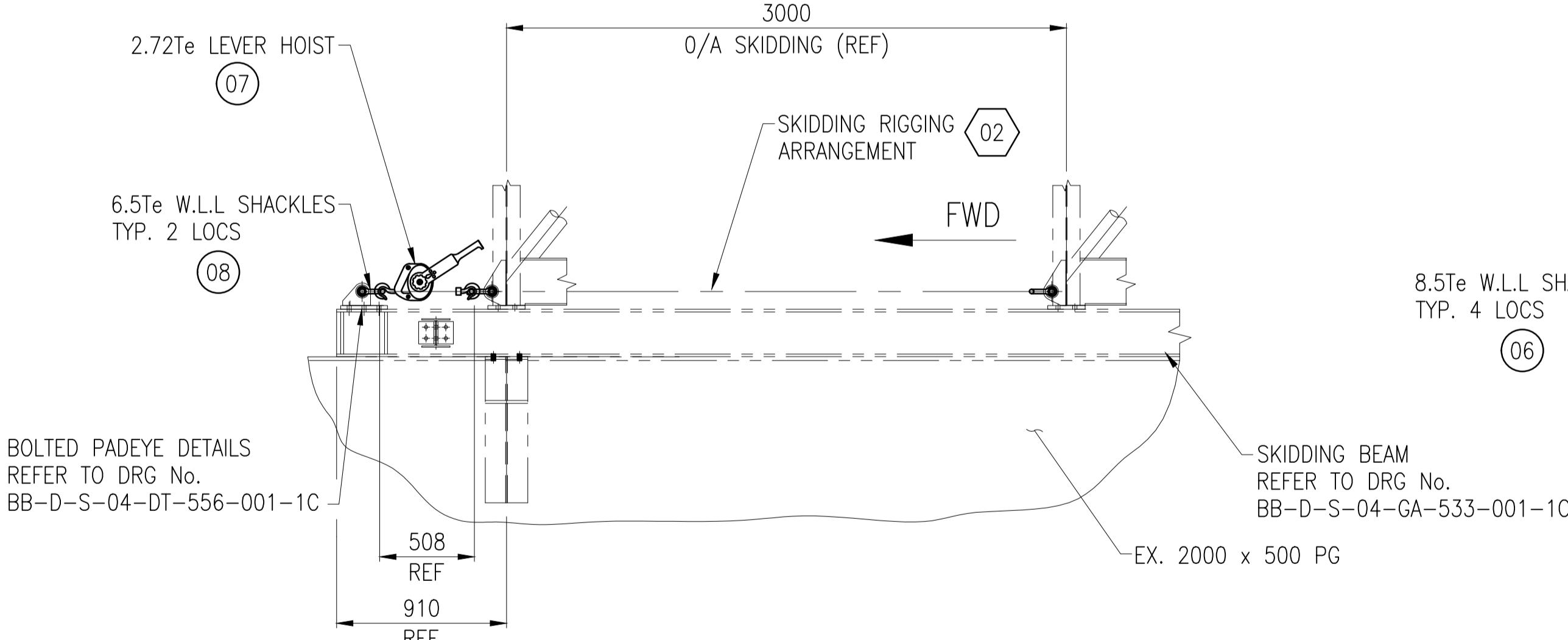
13	58	LIONWELD KENNEDY TYPE 5 SADDLE CLIP (INCL. SPARES)	4
12	1	GRATING PANEL 12	26
11	1	GRATING PANEL 11	33
10	1	GRATING PANEL 10	31
09	1	GRATING PANEL 9	37
08	1	GRATING PANEL 8	26
07	1	GRATING PANEL 7	33
06	1	GRATING PANEL 6	31
05	1	GRATING PANEL 5	37
04	1	GRATING PANEL 4	26
03	1	GRATING PANEL 3	33
02	1	GRATING PANEL 2	31
01	1	GRATING PANEL 1	34
ITEM	QTY	DESCRIPTION	WEIGHT
SHIPPING LIST PERTAINS TO THIS DRG. LISTED ITEMS TO BE PREFIXED BB-D-S-04-GA-542-001-1C			
SHIPPING LIST			
TOTAL WEIGHT OF MATERIAL THIS LIST =			382 kg

REV B1

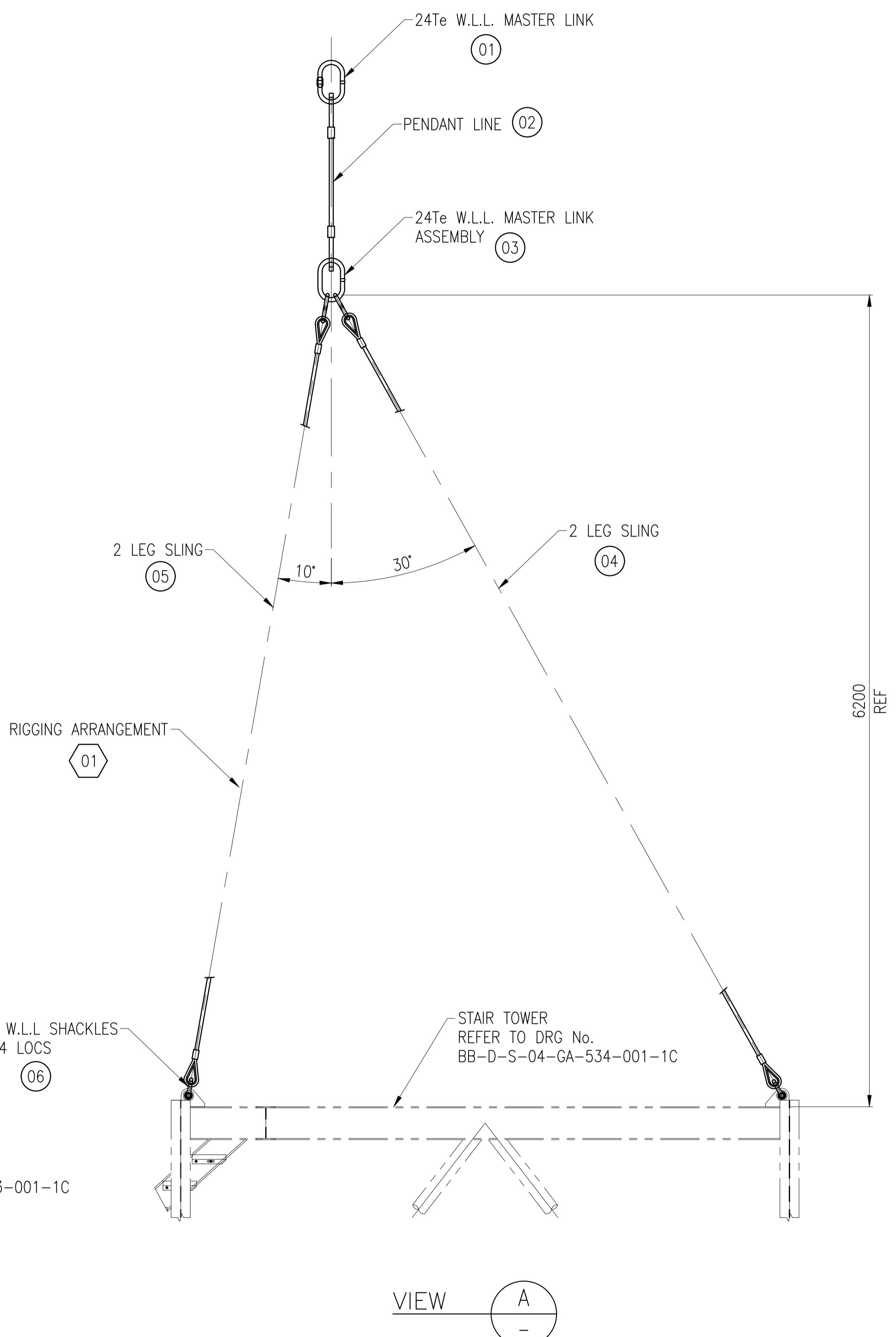
A B C D E F G H I J



PLAN ON TOP OF STAIR TOWER SHOWING RIGGING ARRANGEMENT



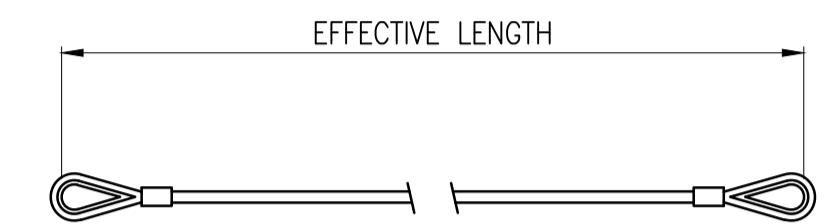
ELEVATION ON SKIDDING RIGGING ARRANGEMENT
TYPICAL 2 LOCS



I J

NOTES

- FOR GENERAL NOTES REFER TO DRG No. BM-D-S-00-GA-001-001-1C (LATEST REV) (U.N.O.).
- ALL SLINGS TO HAVE HARD EYES BOTH ENDS, UPPER ENDS TO BE CAPTURED ON MASTERLINK ASSEMBLY. INTERMEDIATE LINKS. FABRICATOR TO ENSURE COMPARABILITY OF ALL COMPONENTS.
- RIGGING DESIGN SHALL BE IN ACCORDANCE WITH NORSOK R-002 LIFTING EQUIPMENT.
- PRIOR TO SHIPPING OFFSHORE FABRICATOR TO PERFORM TRIAL LIFT TO ENSURE THAT RIGGING ASSEMBLY IS CORRECTLY FITTED & STEELWORK IS LEVEL DURING LOFT. RIGGING & LIFT POINT ADJUSTMENTS ARE TO BE MADE ONSHORE & VERIFIED PRIOR TO SHIPPING OFFSHORE.
- SLING LENGTH STATED IN SCHEDULE ARE MEASURED AS FOLLOWS :



STAIR TOWER RIGGING ARRANGEMENT (01)

ITEM	No REQ'D	DESCRIPTION
(01)	1	24.0Te W.L.L. MASTERLINK, CROSBY TYPE A-344. STOCK No. 1257492
(02)	1	1 LEG 32mm (6x36 STEEL CORE) WIRE ROPE IWRC SLING x 1000mm LONG BEARING TO BEARING WITH HARD EYES AT EACH END. SLING TO BE FITTED WITH FLEMISH TAPERED FERRULES. W.L.L = 13Te.
(03)	1	24Te W.L.L. MASTERLINK ASSEMBLY CROSBY TYPE A-347. STOCK No. 1258158.
(04)	1	2 LEG 26mm (6x36 STEEL CORE) WIRE ROPE IWRC SLING x 7130 LONG BEARING TO BEARING WITH HARD EYES AT EACH END. SLING TO BE FITTED WITH FLEMISH TAPERED FERRULES. W.L.L = 13Te.
(05)	1	2 LEG 26mm (6x36 STEEL CORE) WIRE ROPE IWRC SLING x 6340 LONG BEARING TO BEARING WITH HARD EYES AT EACH END. SLING TO BE FITTED WITH FLEMISH TAPERED FERRULES. W.L.L = 13Te.
(06)	4	8.5Te W.L.L. BOLT TYPE ANCHOR SHACKLE, CROSBY TYPE G-2130, STOCK No. 1019551.

SKIDDING RIGGING ARRANGEMENT (02)

ITEM	No REQ'D	DESCRIPTION
(07)	2	2.72Te LEVER HOIST – CROSBY MODEL NUMBER 1150480 OR EQUIVALENT.
(08)	4	6.5Te W.L.L. BOLT TYPE ANCHOR SHACKLE, CROSBY TYPE G-2130, STOCK No. 1019533.

Apache

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS STAIR
RIGGING ARRANGEMENT AND DETAILS

A1



APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

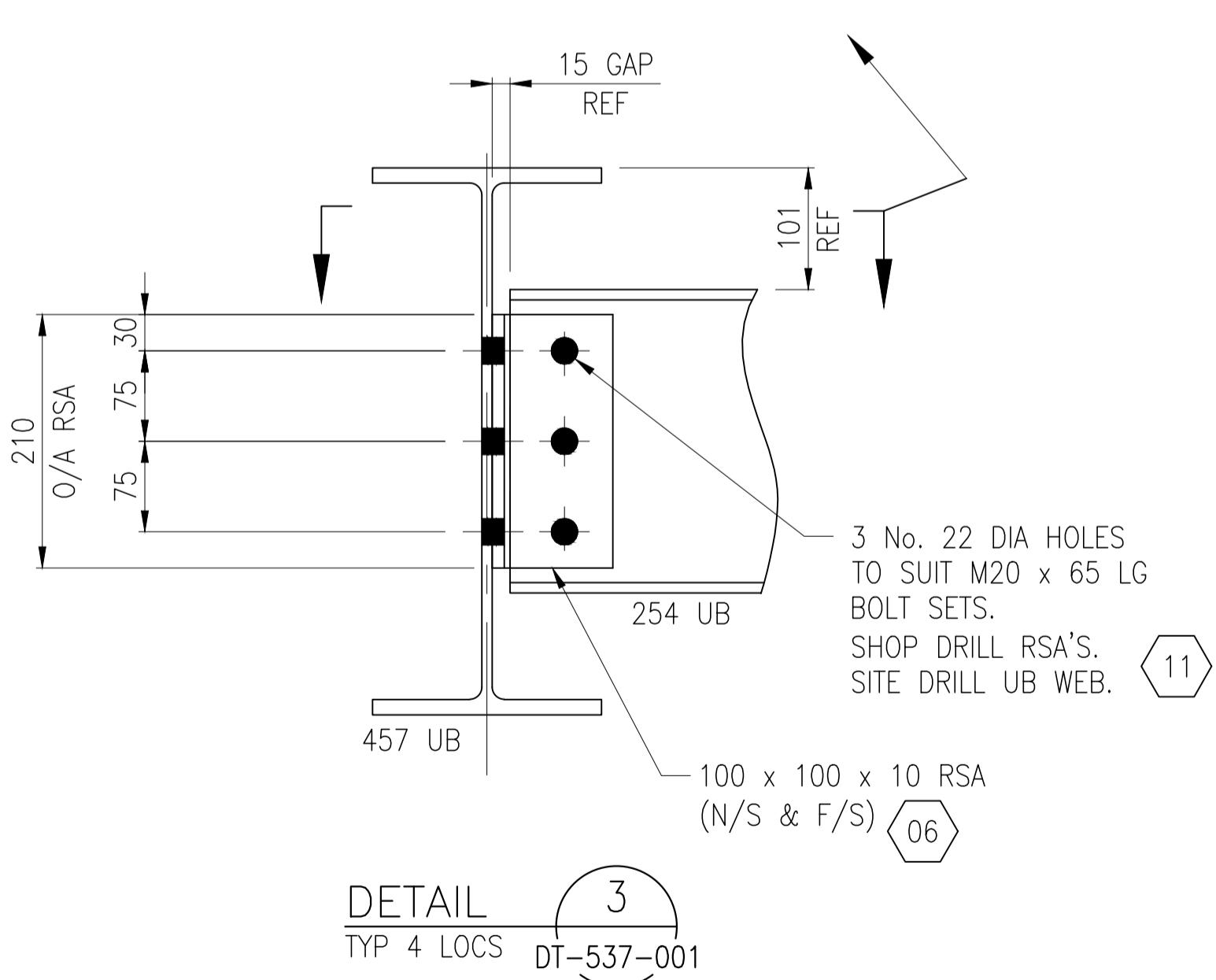
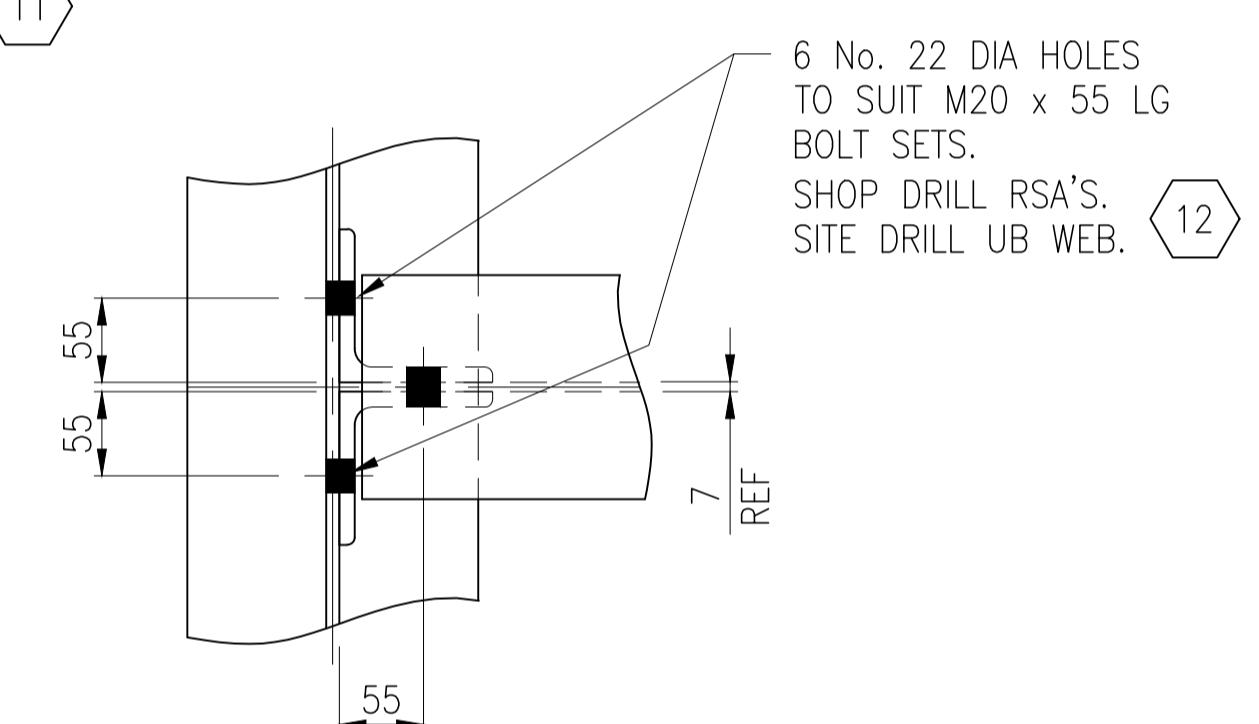
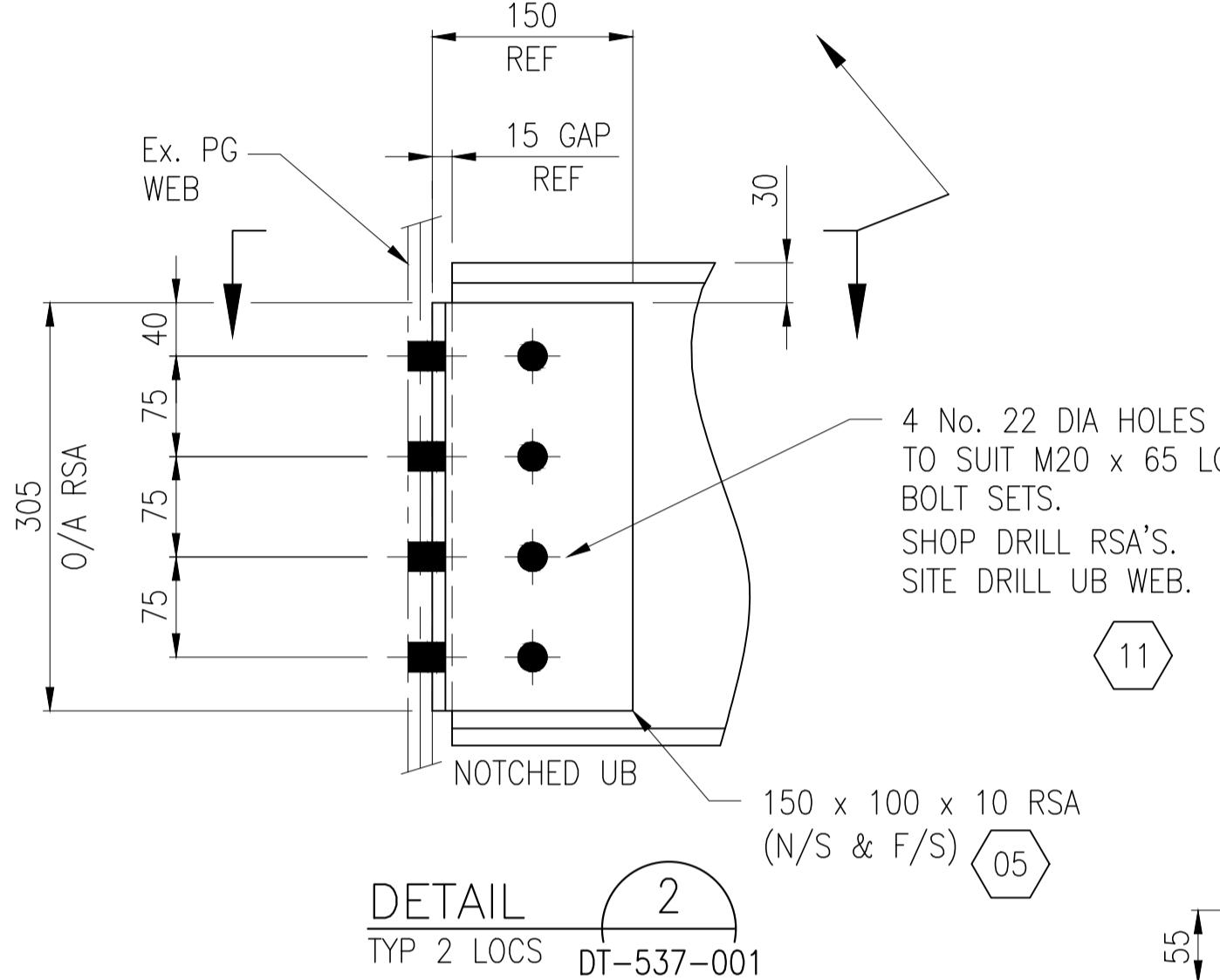
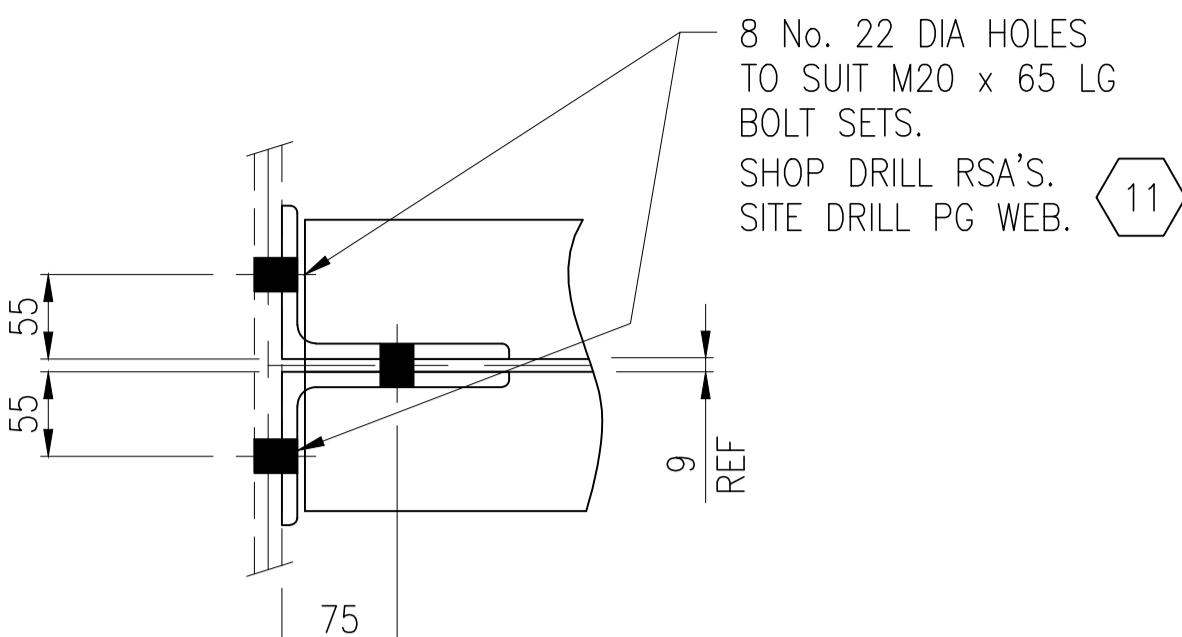
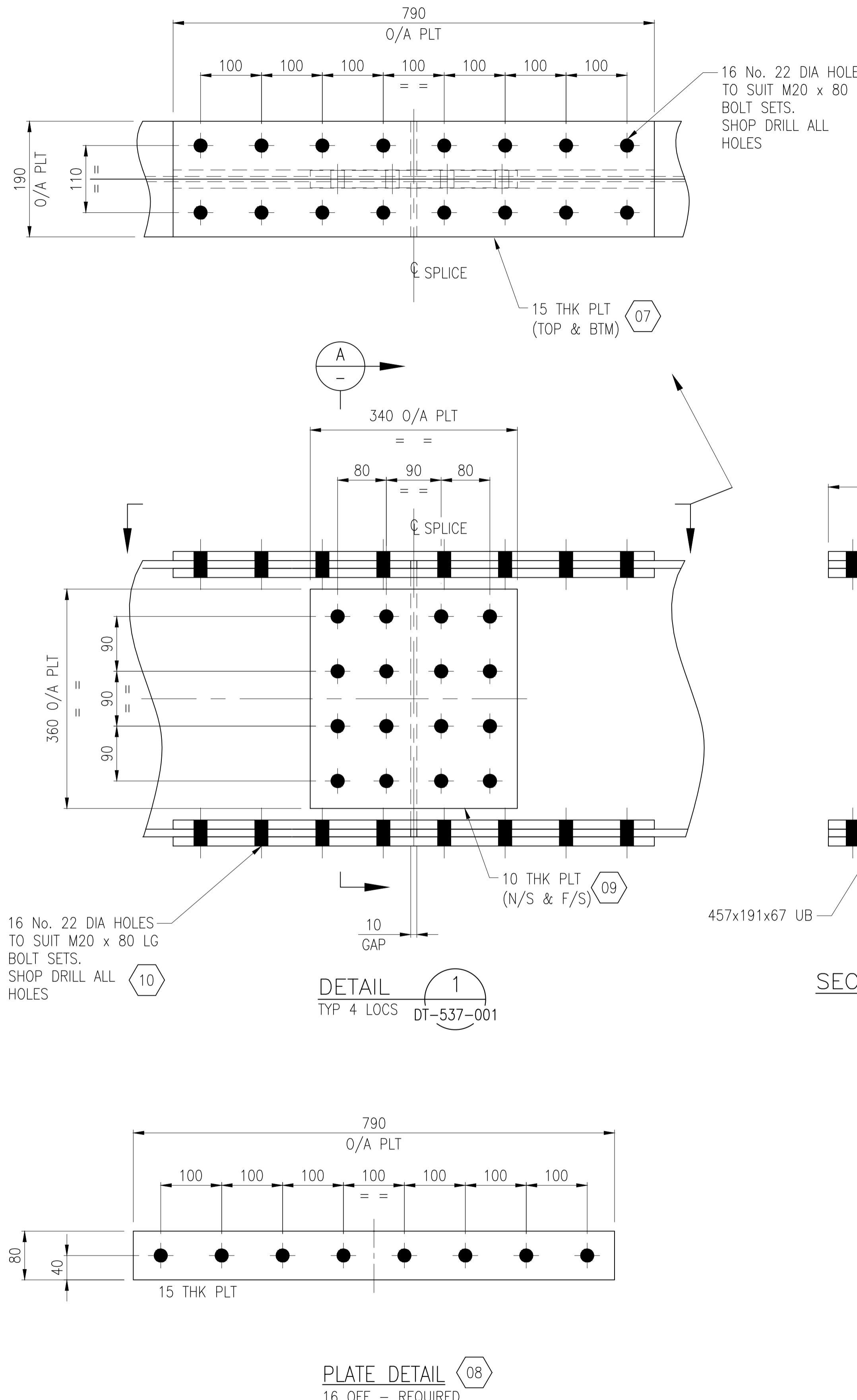
PD&MS DWG. No.
ST-LRI-013323-E-020-001

SCALE: 1:25 DRAWING No. BB-23-M0016-BB-D-S-04-IN-500-001-1C REV B1

B1	09.08.24	DF	MAJ	GR	AS	ISSUED FOR CONSTRUCTION	DRG No.	TITLE	REFERENCE DRAWINGS
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO.	REVISION DESCRIPTION			

NOTES

1. FOR NOTES & SHIPPING LIST REFER TO DRG. No.
BB-D-S-04-GA-532-001-1C (U.N.O.).



APACHE PROJECT REFERENCE: BB-23-M0016

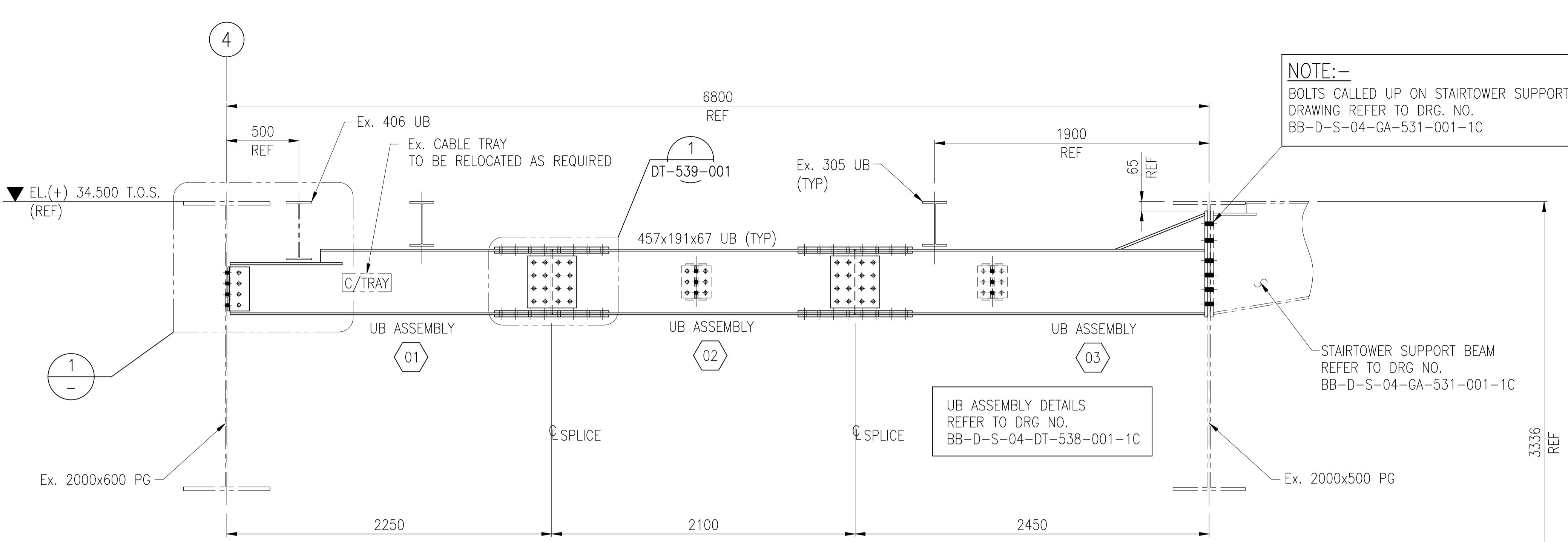
PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.
ST-DTL-013323-E-020-008**Apache**BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
UNDERDECK STRENGTHENING
DETAIL SHEET 2

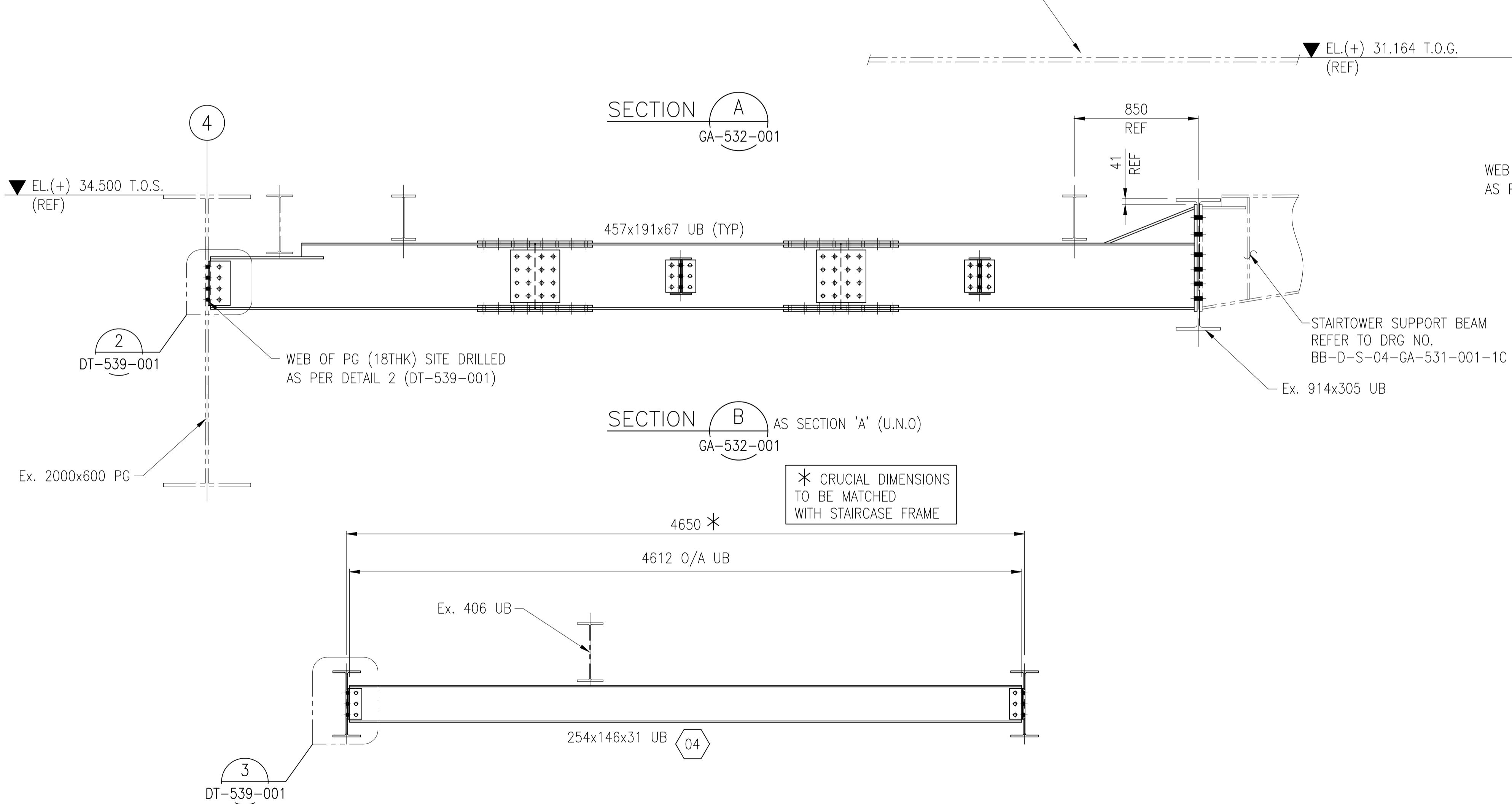
A1

B1	13.06.24	DF	MK	GR	AS	ISSUED FOR CONSTRUCTION	BB-D-S-04-DT-538-001-1C	WORKSHOP REPAIRS - UNDER DECK STRENGTHENING STEELWORK - DETAILS SHEET 1
							BB-D-S-04-DT-537-001-1C	WORKSHOP REPAIRS - UNDER DECK STRENGTHENING STEELWORK - SECTIONS & DETAILS
							BB-D-S-04-GA-532-001-1C	WORKSHOP REPAIRS - UNDER DECK STRENGTHENING STEELWORK - GENERAL ARRANGEMENT
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO	REVISION DESCRIPTION	DRG. No.	TITLE
								REFERENCE DRAWINGS

SCALE: 1:5 DRAWING No. BB-23-M0016-BB-D-S-04-DT-539-001-1C REV B1



NOTES
1. FOR NOTES & SHIPPING LIST REFER TO DRG. NO. BB-D-S-04-GA-532-001-1C (U.N.O.).



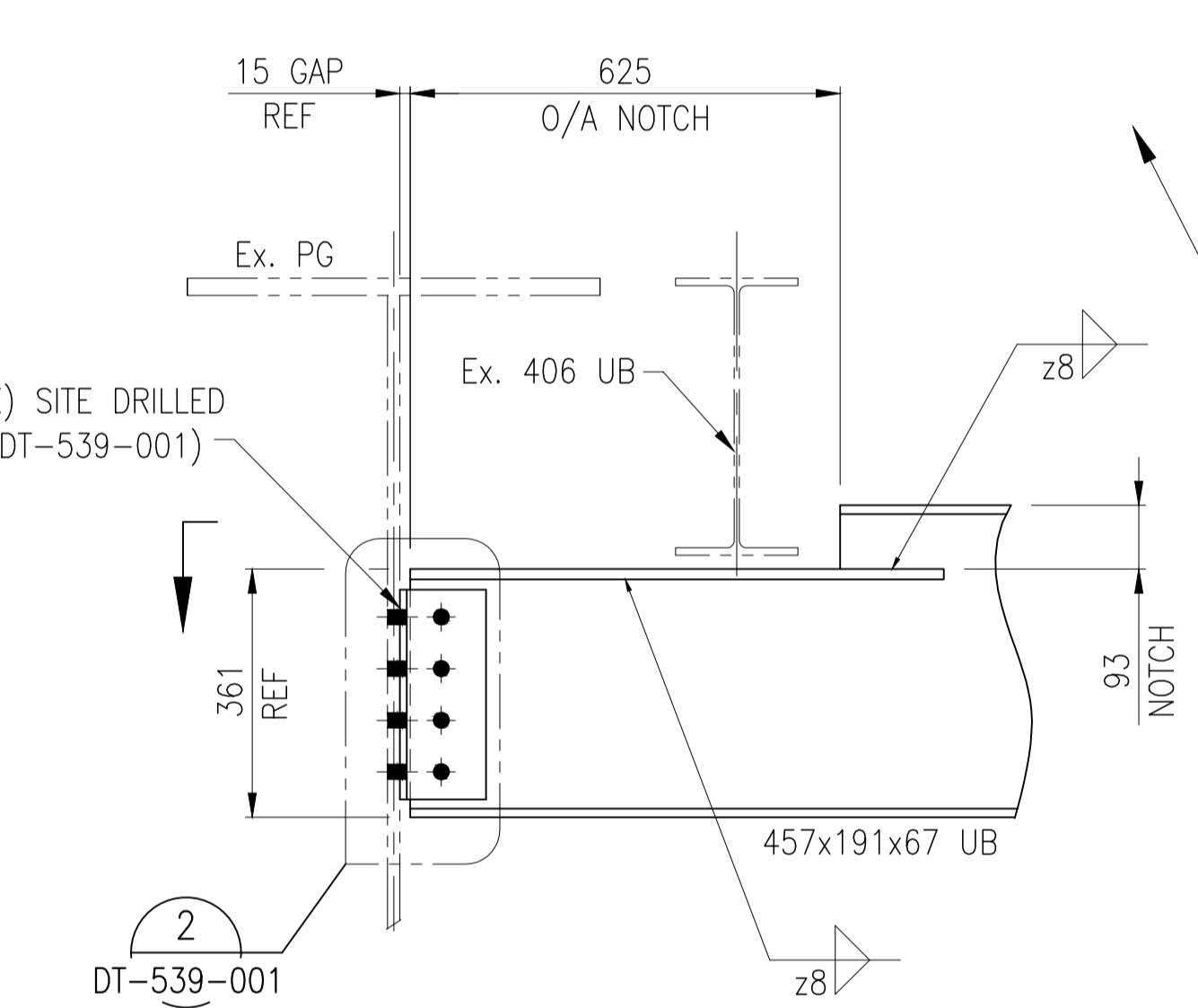
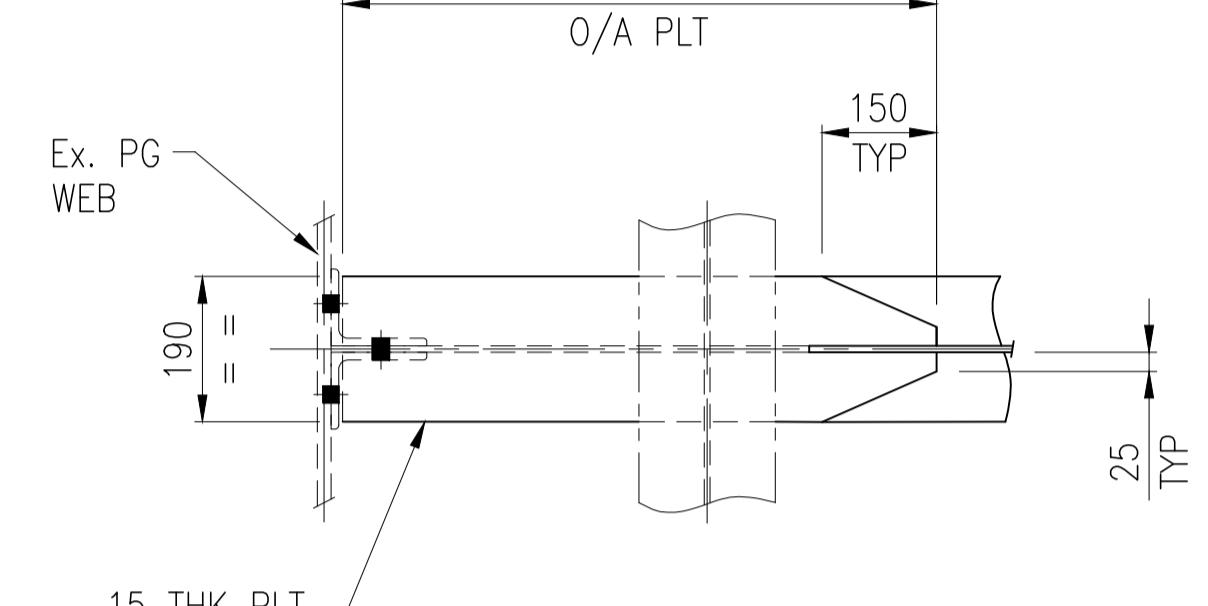
WEB OF PG (18THK) SITE DRILLED AS PER DETAIL 2 (DT-539-001)

STAIRTOWER SUPPORT BEAM REFER TO DRG NO. BB-D-S-04-GA-531-001-1C

Ex. 914x305 UB

* CRUCIAL DIMENSIONS TO BE MATCHED WITH STAIRCASE FRAME

SECTION C
TYP 2 LOCS GA-532-001



DETAIL
TOTAL 2 LOCS
SCALE 1:10

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BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
UNDERDECK STRENGTHENING
SECTIONS AND DETAILS

A1



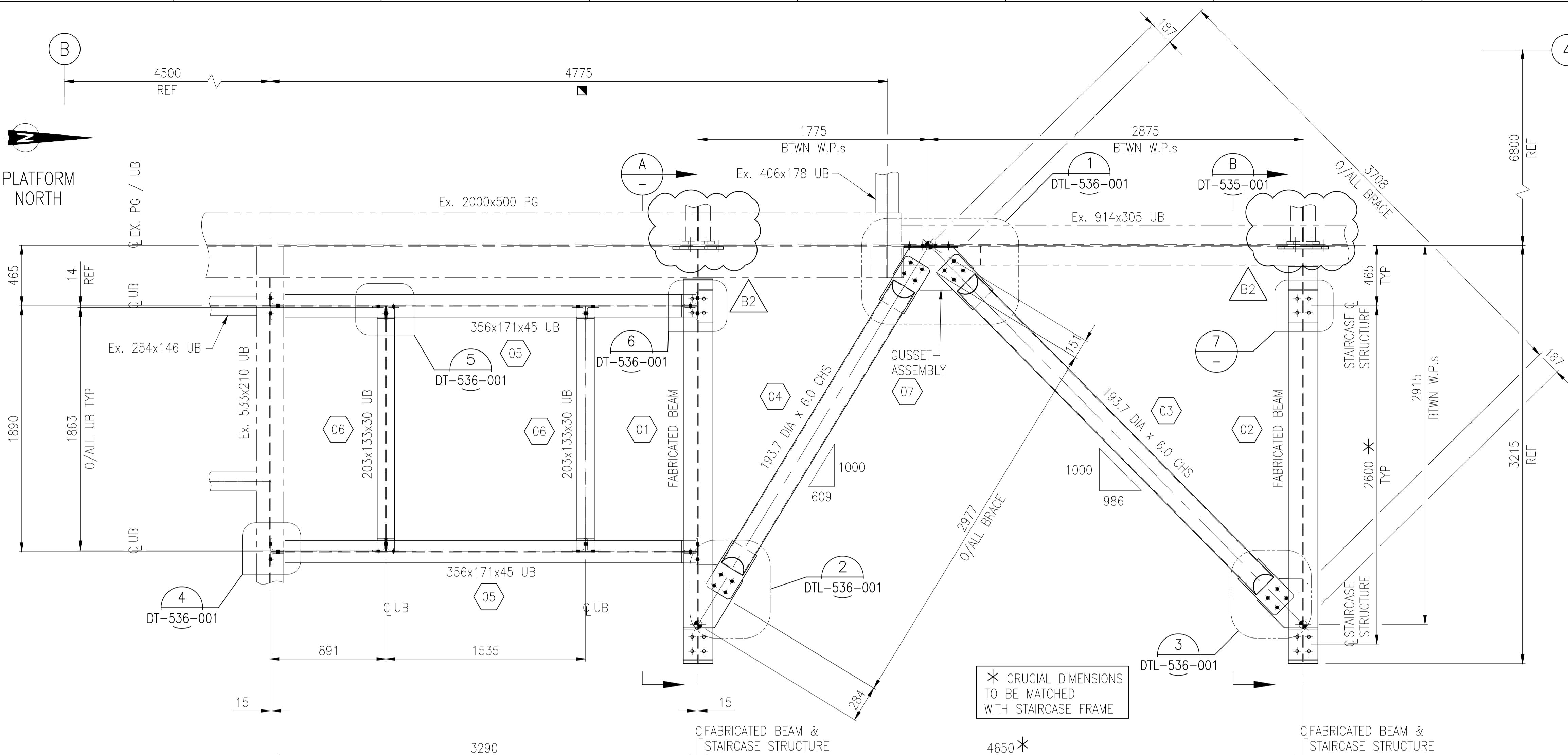
APACHE PROJECT REFERENCE: BB-23-M0016

PD&MS PROJECT REFERENCE: P013323-E-020

PD&MS DWG. No.
ST-DTL-013323-E-020-006

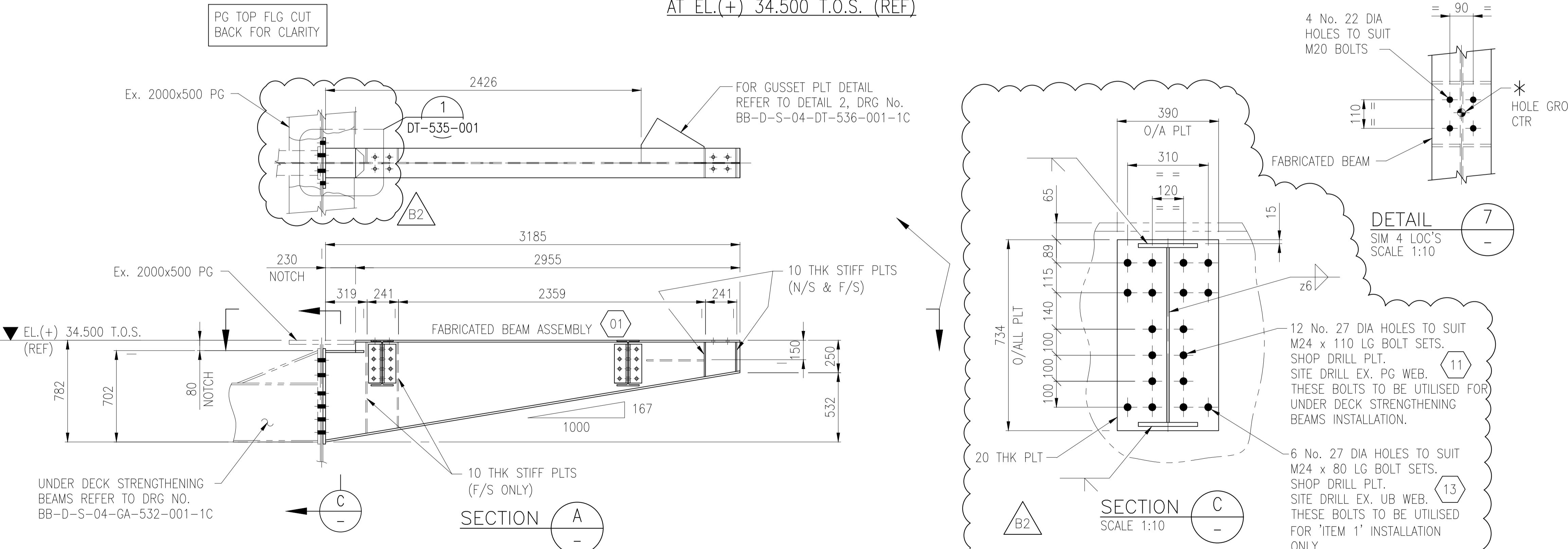
SCALE: 1:20 UNO DRAWING No. BB-23-M0016-BB-D-S-04-DT-537-001-1C REV B1

B1	13.06.24	DF	MK	GR	AS	ISSUED FOR CONSTRUCTION	BB-D-S-04-DT-539-001-1C	WORKSHOP REPAIRS - UNDER DECK STRENGTHENING STEELWORK - DETAILS SHEET 2
REV	DATE	DRN BY	DRG. CHECK	ENG. CHECK	APPRO.	REVISION DESCRIPTION	BB-D-S-04-GA-532-001-1C	WORKSHOP REPAIRS - UNDER DECK STRENGTHENING STEELWORK - DETAILS SHEET 1
						DRG. No.		TITLE
								REFERENCE DRAWINGS



PART PLAN ON LOWER STAIR STRUCTURE SHOWING STAIR CASE SUPPORT STEEL

AT EL.(+) 34.500 T.O.S. (REF)



BB-D-S-04-DT-536-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS AND SUPPORT - DETAILS SHEET 2			APACHE PROJECT REFERENCE:	BB-23-M0016
BB-D-S-04-DT-535-001-1C	WORKSHOP REPAIRS - STAIR TOWER ACCESS AND SUPPORT - DETAILS SHEET 1			PD&MS PROJECT REFERENCE:	P013323-E-020
DRG. No.	TITLE			PD&MS DWG. No.	
	REFERENCE DRAWINGS			ST-GAS-013323-E-020-001	

NOTES

1. FOR GENERAL NOTES REFER TO DRG. No.
BM-D-S-00-GA-001-001-1C (LATEST REV) (U.N.O.).
1
2. ALL NEW STEELWORK MATERIAL SHALL BE IN ACCORDANCE WITH THE MATERIALS SECTION OF THE GENERAL NOTES WHERE:-
 - i) ALL ROLLED SECTIONS & TUBULARS SHALL BE GRADE S355J2+N.
 - ii) ALL PLATES > 8 THICK PLATE SHALL BE GRADE S355J2+N.
 - iii) ALL PLATES < 8 THICK PLATE SHALL BE GRADE S275J2.
2
3. ALL BOLTS & SETSCREWS DENOTED AS 'SETS' SHALL BE SUPPLIED C/W NUT, THIN LOCK NUT & 1 No. WASHER.
4. □ – DENOTES DIMENSION TAKEN FROM SITE SURVEY OR CLOUD SCAN.

ITEM	QTY	DESCRIPTION	WEIGHT
13	15	M24 x 80 LG BOLT SETS (INCL. SPARES)	7
12	55	M20 x 55 LG BOLT SETS (INCL. SPARES)	17
11	30	M24 x 110 LG BOLT SETS (INCL. SPARES)	16
10	55	M20 x 65 LG BOLT SETS (INCL. SPARES)	17
09	8	100 x 100 x 10 RSA CLEAT x 160 LG	20
08	8	100 x 100 x 10 RSA CLEAT x 295 LG	36
07	1	GUSSET BRACKET ASSEMBLY	23
06	2	203 x 133 x 30 UB BEAM	112
05	2	356 x 171 x 45 UB BEAM	291
04	1	193.7 DIA x 6 WT CHS BRACE ASSEMBLY	96
03	1	193.7 DIA x 6 WT CHS BRACE ASSEMBLY	118
02	1	FABRICATED BEAM ASSEMBLY	422
01	1	FABRICATED BEAM ASSEMBLY	411
SHIPPING LIST PERTAINS TO DRG. Nos. 531-001, 535-001-1C & 536-001 LISTED ITEMS TO BE PREFIXED BB-D-S-04-GA-531-001-1C			
SHIPPING LIST			
TOTAL WEIGHT OF MATERIAL THIS LIST			

SPLITTING LIST

TOTAL WEIGHT OF MATERIAL THIS LIST = { 1586 kg }

Apache

B2

BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS AND SUPPORT
GENERAL ARRANGEMENT & DETAILS

A1



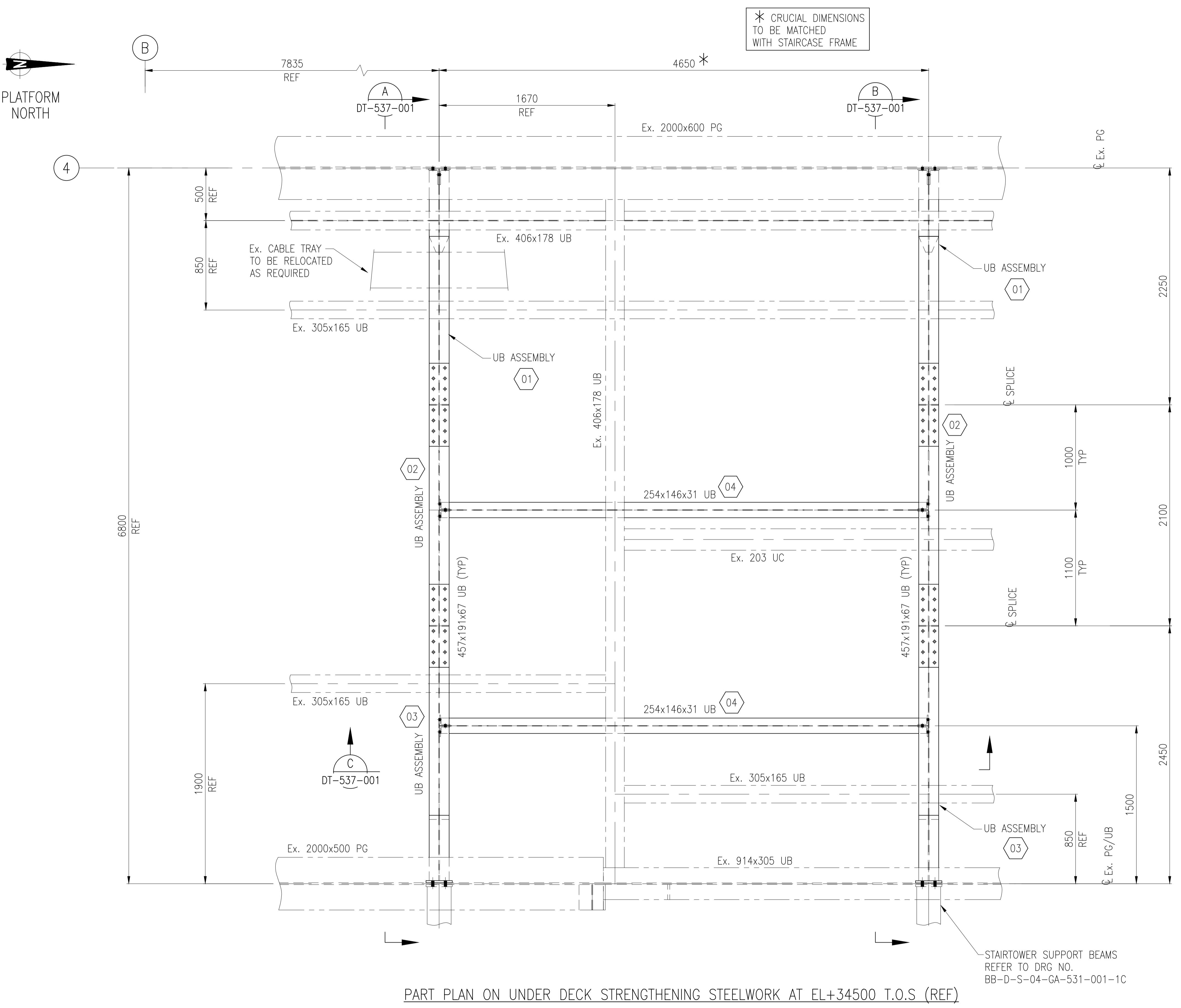
APACHE PROJECT REFERENCE: BB-23-M0016

D&MS PROJECT REFERENCE: P013323-E-020

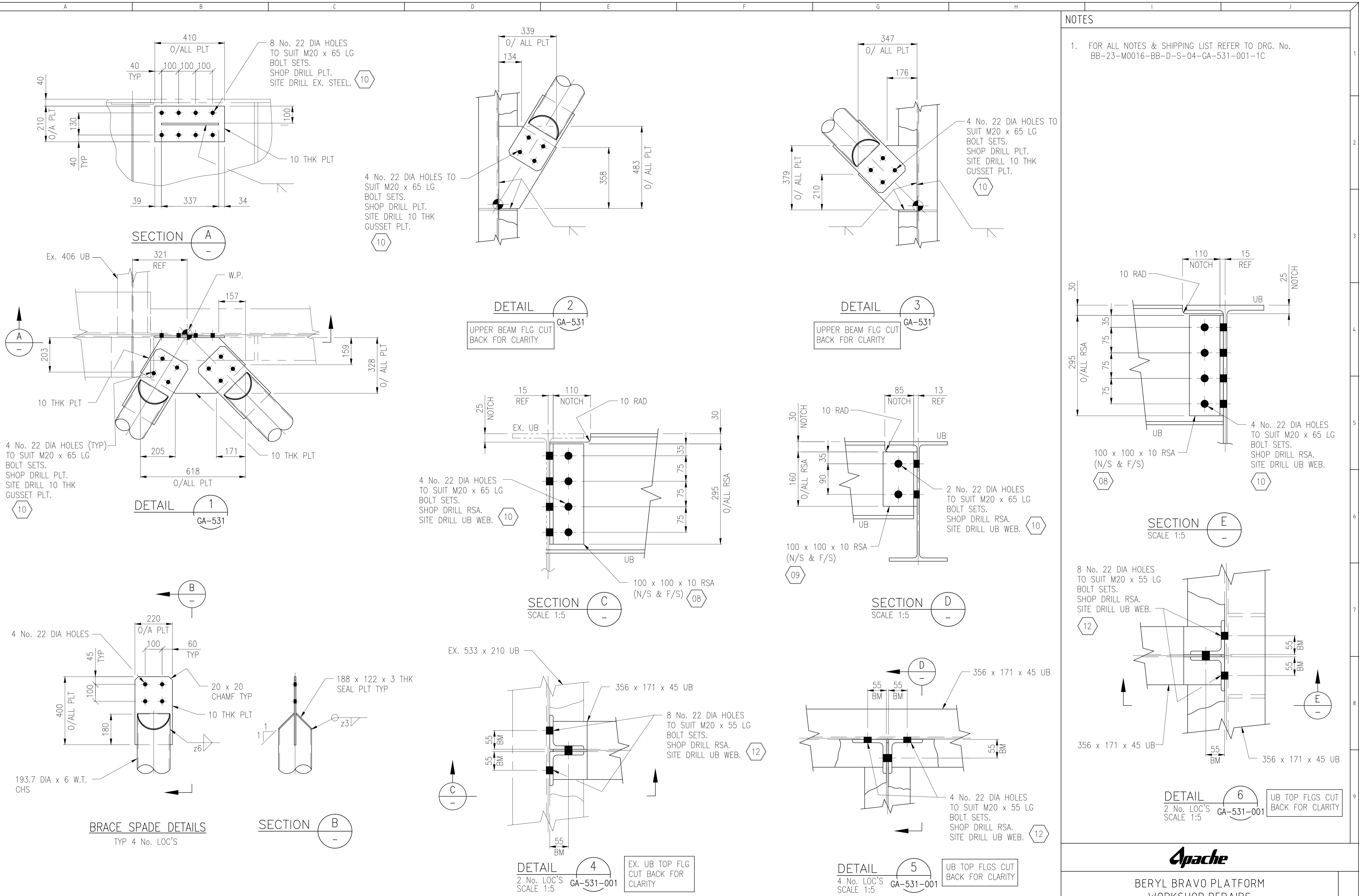
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Apache

**BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
STAIR TOWER ACCESS AND SUPPORT
GENERAL ARRANGEMENT & DETAILS**



PART PLAN ON UNDER DECK STRENGTHENING STEELWORK AT EL+34500 T.O.S (REF)



Apache

**BERYL BRAVO PLATFORM
WORKSHOP REPAIRS
TAIR TOWER ACCESS AND SUPPORT
DETAILS SHEET 2**