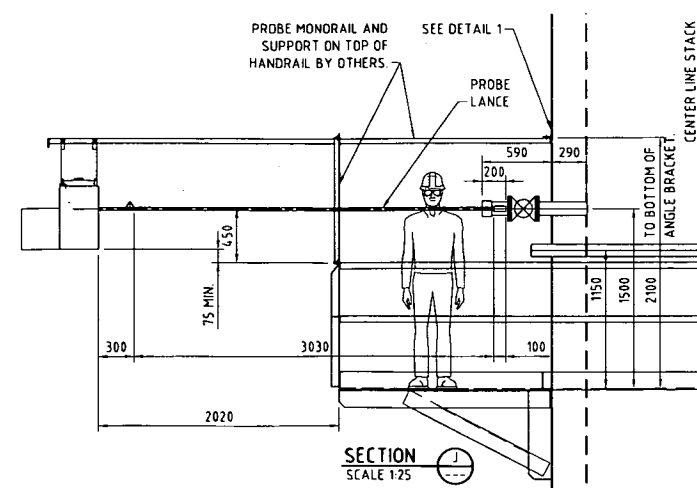
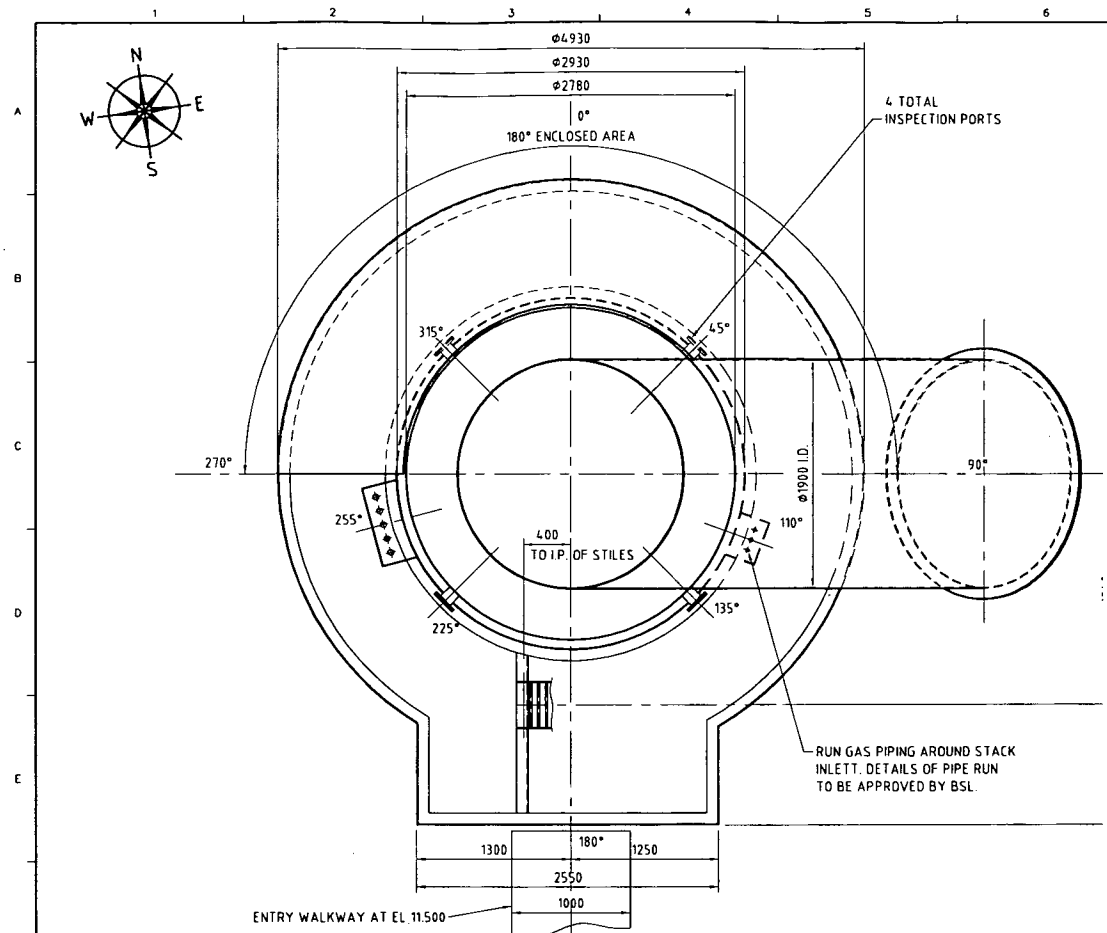
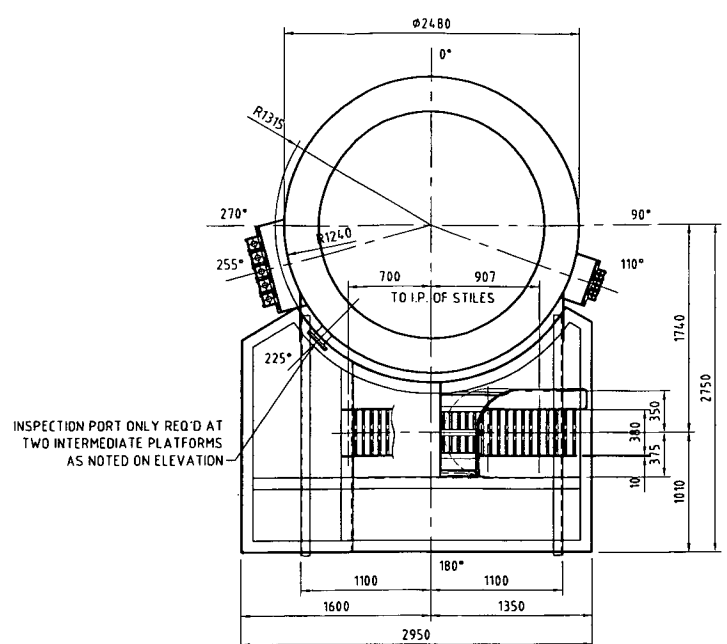




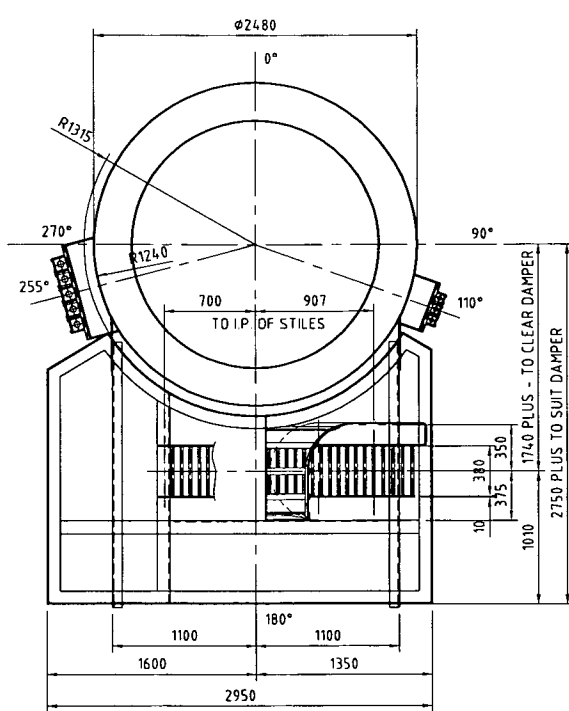
No. OFF	ITEM	DESCRIPTION		REMARKS		MATERIAL NO.	
		Port Kembla Steelworks		This design is the property of Bluescope Steel Asia Pty Ltd. Asian Iron and Steel THIS BLOCK TO COMPLY WITH SP-450-035-70, VERSION CURRENT AT DATE OF DRAWING PRODUCED BY:			
				Peter Ellismore & Associates www.ellismore.com.au Ph: 02 4253 5000			
		BOS PLANT NO.1 AND NO.2 OG SYSTEMS FLARE STACK PLATFORM SECTIONS AND DETAILS PROPOSAL B - LADDER ACCESS.		DES. ENGINEER OR SPECIALIST SUPERVISOR		CONTRACT NO.	
				ORDER NO. REFERENCE TO/SUPPLIER REF. NO. REFERENCE DRAWINGS 521318			
FUNCTIONAL LOCATION CODES		CHANGE APPROVAL NUMBER:		PROJECT NAME/NO.			
		DRAWING R. BASTRANS		CHECKED DES. ENGINEER OR SPECIALIST			
		DES. ENGINEER OR SPECIALIST		RESPONSIBLE ENGINEER R. MORANDON		REGISTRATION APPROVAL R. MORANDON	
B1 SCALE: 1:25 DATE CON. JUNE 2009		AUTOCAD FILE NAME: 521318 REV D LADDER PROSP.DWG DRAWING No.		AUTOCAD PRINT: 171/12349 03 PP1		REV NO.	
INDEX CODES K6-10-014		521317 PRELIMINARY - NOT FOR CONSTRUCTION				D	
DRAWING STATUS:							



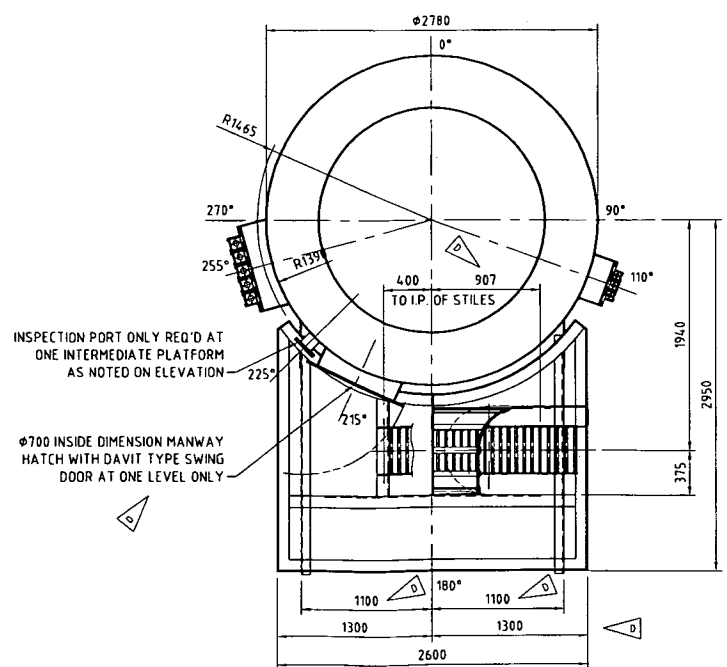
SECTION E
SCALE 1:25
PLATFORM LEVEL 1



SECTION G
SCALE 1:25
TYPICAL INTERMEDIATE PLATFORM-7 OFF
APPLICABLE BETWEEN PLATFORM 2 AND 6



SECTION F
SCALE 1:25
ALL OTHER DIMENSIONS THE SAME AS TYPICAL
INTERMEDIATE PLATFORMS ON SECTION G-G

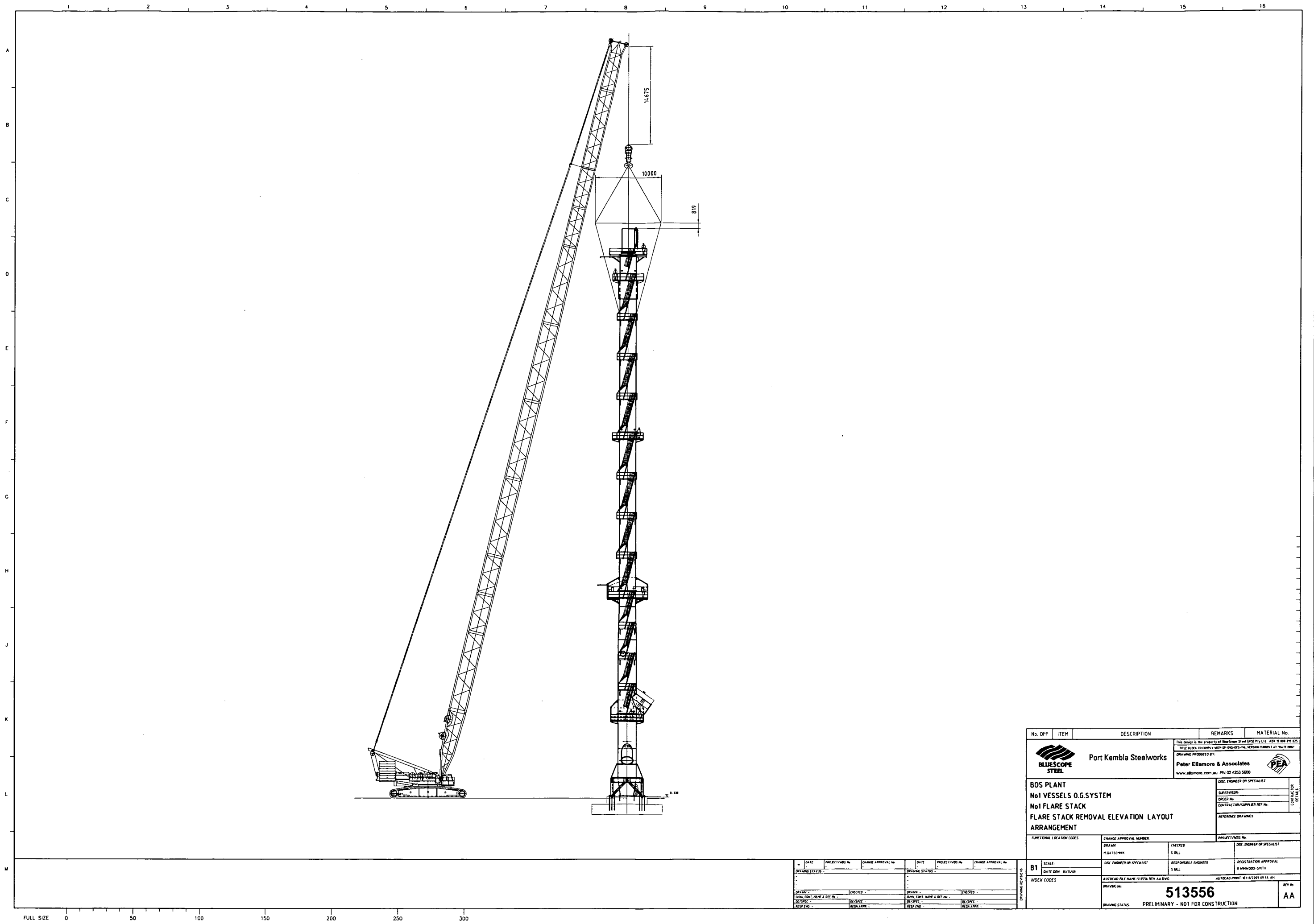


SECTION H
SCALE 1:25
TYPICAL INTERMEDIATE PLATFORM-3 OFF
APPLICABLE BETWEEN PLATFORM 1 AND 2

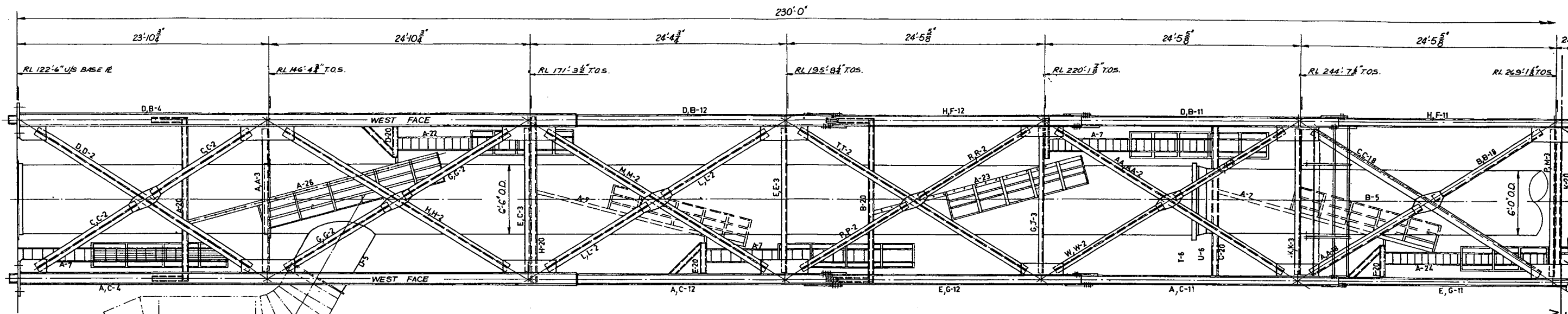
- NOTES:**
- 1 - PLATFORMS AND LADDERS MUST COMPLY WITH BLUESCOPE SPECIFICATIONS AS SHOWN IN MA.SP-ENG-DES-020 AND WITH THE AUSTRALIAN STANDARDS FOR - FIXED PLATFORMS, WALKWAYS AND LADDERS-DESIGN, CONSTRUCTION AND INSTALLATION-AS 1657.
 - 2 - ALL STRUCTURAL MEMBERS USED FOR THE PLATFORMS, STAIRWAYS, LADDERS AND HANDRAILS TO BE OF OPEN PROFILE STEEL MEMBERS (ANGLES, CHANNELS, H-BEAMS ETC.) AND NOT THE CLOSED TYPE SUCH AS PIPES, RECTANGULAR OR SQUARE HOLLOW SECTIONS.
 - 3 - PLATFORMS FLOORING TO BE 6mm THICK FLOORPLATE (CHEQUERED FLOORPLATE).
 - 4 - ALL LADDERS WOULD BE AT AN 75° ANGLE TO THE HORIZONTAL PLANE. VERTICAL LADDERS ARE NOT ACCEPTABLE.
 - 5 - ALL DETAILS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY.
- REFERENCE DRAWINGS:**
- S21136-FLARE STACK-GENERAL ARRANGEMENT-PROPOSAL B - LADDER ACCESS.

No. OFF	ITEM	DESCRIPTION	REMARKS	MATERIAL No.
		Port Kembla Steelworks This design is the property of Bluescope Steel (NSW) Pty Ltd. All rights reserved.		
BOS PLANT No.1 AND No.2 OG SYSTEMS FLARE STACK PLATFORM SECTIONS AND DETAILS PROPOSAL B - LADDER ACCESS		DESIGNED BY: Peter Ellamore & Associates www.ellamore.com.au Ph: 02 4253 5600		
FUNCTIONAL LOCATION CODES		CHANGE APPROVAL NUMBER DRAWN: R. BASTIAANSE CHECKED: [] DESIGNED: R. BASTIAANSE DATE: 01 OCT 2009		
INDEX CODES X6-10-014		PRELIMINARY - NOT FOR CONSTRUCTION 521138		

DATE	PROJECT/NO.	CHANGE APPROVAL NO.	DATE	PROJECT/NO.	CHANGE APPROVAL NO.
10-10-2009			10-10-2009		
DRAWING STATUS:	MAJOR CHANGES TO INTERMEDIATE PLATFORM SECTION H I.P. DISTANCE TO LADDER CHANGED INCLUDING PLATFORM WIDTH AND SUPPORT BRACKET LOCATION. ALL CHANGES DUE TO INCREASED DISTANCE BETWEEN PLATFORM 1 AND 2. HANDRAILS TO BE CHANGED TO DAINTY TYPE.				
DRAWN:	CHECKED:	DESIGNED:	DRAWN:	CHECKED:	DESIGNED:
DATE:	DATE:	DATE:	DATE:	DATE:	DATE:
BY:	BY:	BY:	BY:	BY:	BY:
APP'D:	APP'D:	APP'D:	APP'D:	APP'D:	APP'D:

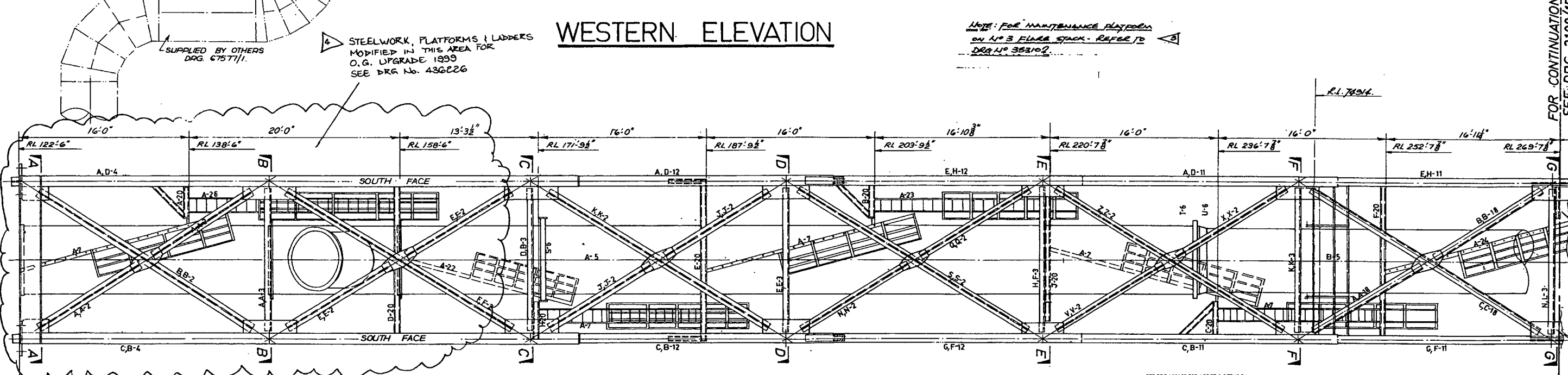


No. OFF	ITEM	DESCRIPTION	REMARKS	MATERIAL No.
		Port Kembla Steelworks		
BOS PLANT		This design is the property of Bluescope Steel (Aust) Pty Ltd. ASX IS 808 875 875		
No1 VESSELS O.G.SYSTEM		DRAWING PRODUCED BY:		
No1 FLARE STACK		Peter Ellsmore & Associates		
FLARE STACK REMOVAL ELEVATION LAYOUT		CONTRACTOR/SUPPLIER REF No.		
ARRANGEMENT		INTERNET DRAWINGS		
FUNCTIONAL LOCATION CODES		CHANGE APPROVAL NUMBER		PROJECT/VES No.
DRAWN		CHECKED		DES. ENGINEER OR SPECIALIST
H. GATSCHEK		S. GILL		SUPERVISOR
DATE ORN 10/11/09		DATE ORN 10/11/09		ORDER No.
DES. ENGINEER OR SPECIALIST		RESPONSIBLE ENGINEER		CONTRACTOR/SUPPLIER REF No.
S. GILL		S. GILL		INTERNET DRAWINGS
AUTOCAD FILE NAME: 11555A REV AA DWG		AUTOCAD PRINT: 10/11/2009 09:14 AM		REVISION
INDEX CODES		DRAWING No.		REV No.
81		513556		AA
DRAWING STATUS		PRELIMINARY - NOT FOR CONSTRUCTION		

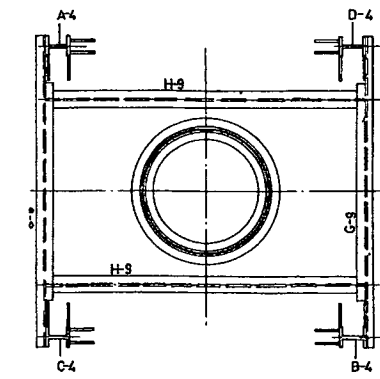


WESTERN ELEVATION

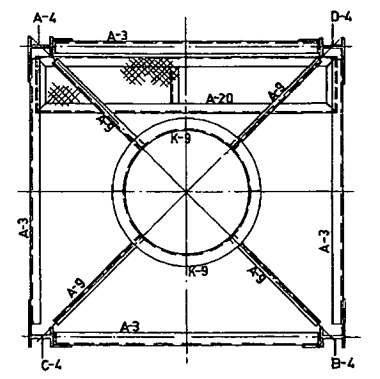
NOTE: FOR MAINTENANCE PLATFORM ON N°3 FLARE STACK - REFER TO DRG. N° 353102



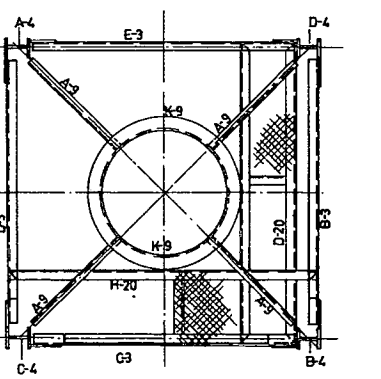
SOUTHERN ELEVATION



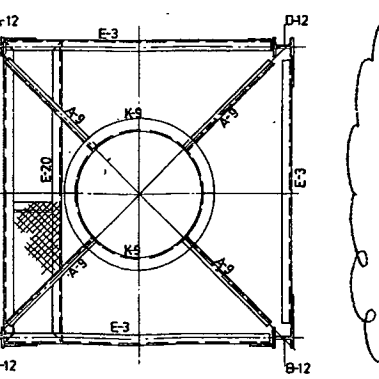
- SECTION A-A REFERENCE DRAWINGS**
- 1/88/11 - MATERIAL LIST
 - 1/88/21 - VERTICAL BRACING
 - 1/3 - HORIZONTAL BRACE
 - 1/4 - COLUMN DETAILS
 - 1/5 - STACK DETAILS & ASS'Y.
 - 1/6 - STACK DETAILS
 - 1/7 - ACCESS LADDER DETAILS
 - 1/3 - DIAGONAL BRACING
 - 1/3 - HORIZ. DIAGONAL BEAM & RING DETAILS
 - 1/10 - VERTICAL LADDER DETAILS
 - 1/11 - COLUMN DETAILS
 - 1/12 - COLUMN DETAILS



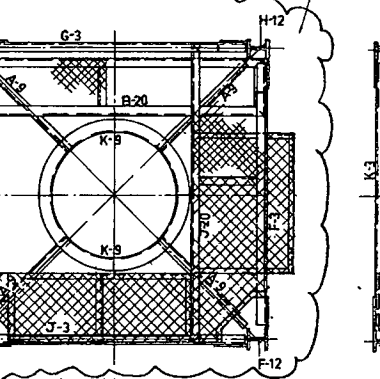
- SECTION B-B REFERENCE DRAWINGS**
- 3188/13 - INSPECTION PLATFORM
 - 1/14 - GENERAL ARRANGEMENT
 - 1/15 - GENERAL ARRANGEMENT
 - 1/16 - COLUMN DETAILS
 - 1/17 - COLUMN DETAILS
 - 1/18 - VERTICAL BRACING DETAILS
 - 1/19 - INTERMEDIATE PLATFORM
 - 1/20 - LADDER PLATFORM
 - 1/21
 - 1/22 - ACCESS LADDER DETAILS
 - 1/23 - ACCESS LADDER DETAILS
 - 1/24 - ACCESS LADDER DETAILS



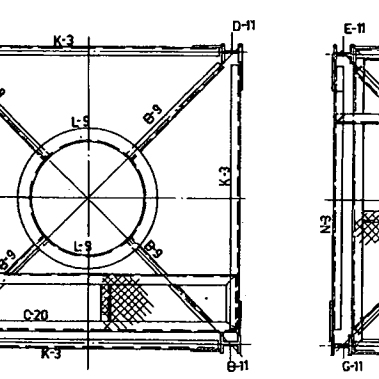
- SECTION C-C REFERENCE DRAWINGS**
- 3188/25 - ACCESS LADDER DETAILS
 - 1/24 - ACCESS LADDER DETAILS
 - 1/70528 - BILL OF MATERIAL FOR N°3 VESSEL STACK INSTALLATION



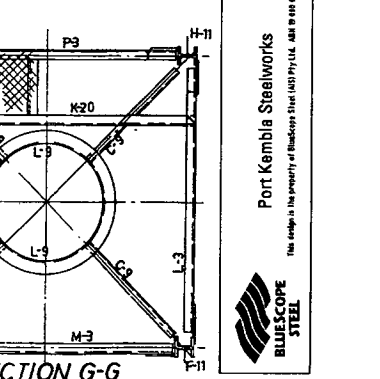
- SECTION D-D REFERENCE DRAWINGS**
- DRG. 1050/5 - FOUNDATION
 - DRG. 1050/6 - HOLDING DOWN BOLTS
 - DRG. 6757/1 - GAS DUCT
 - DRG. EA-SIP-4358/1 - FLARE



- SECTION E-E REFERENCE DRAWINGS**
- FOR MATERIAL LIST SEE A.I.S. DRG. 9628/1



- SECTION F-F REFERENCE DRAWINGS**
- FORM, EXTENDED RL 220'11"
 - SEE SECT. E-E



- SECTION G-G REFERENCE DRAWINGS**
- REF. DRAWING ADDED

NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRG. 3188/15 & 15
2. ALL ITEM MARKS TO BE PREFIXED WITH 3188 e.g. A-20 INDICATES ITEM A ON DRG. 3188/20
3. FIRST LETTER IN ITEM N° IS FOR NEAR SIDE & SECOND LETTER IS FOR FAR SIDE.

CONDESCO PTY. LTD.
ENGINEERING DESIGN - MECHANICAL - ELECTRICAL - STRUCTURAL
23 ATCHISON STREET ST LEONARDS 2060 430 2933
230 MACQUARIE STREET, LIVERPOOL 2170 602-6250

REVISION	MODIFICATION	DATE
1	NOTED	7-12-98
2	NOTED	7-12-98
3	NOTED	7-12-98

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1	NOTED	7-12-98
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3	NOTED	7-12-98

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3	NOTED	7-12-98

REVISION	MODIFICATION	DATE
1	NOTED	7-12-98
2	NOTED	7-12-98
3	NOTED	7-12-98

HEAD WRIGHTSON (AUST.) PTY. LTD.
SYDNEY

CLIENT: AUSTRALIAN IRON & STEEL
CONTRACT: FLARE STACK
TITLE: GENERAL ARRANGEMENT
SHEET 1 OF 2

DRG. No. B 3188/14
A.I.S. N° 86293

APPROVED FOR CONSTRUCTION

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