

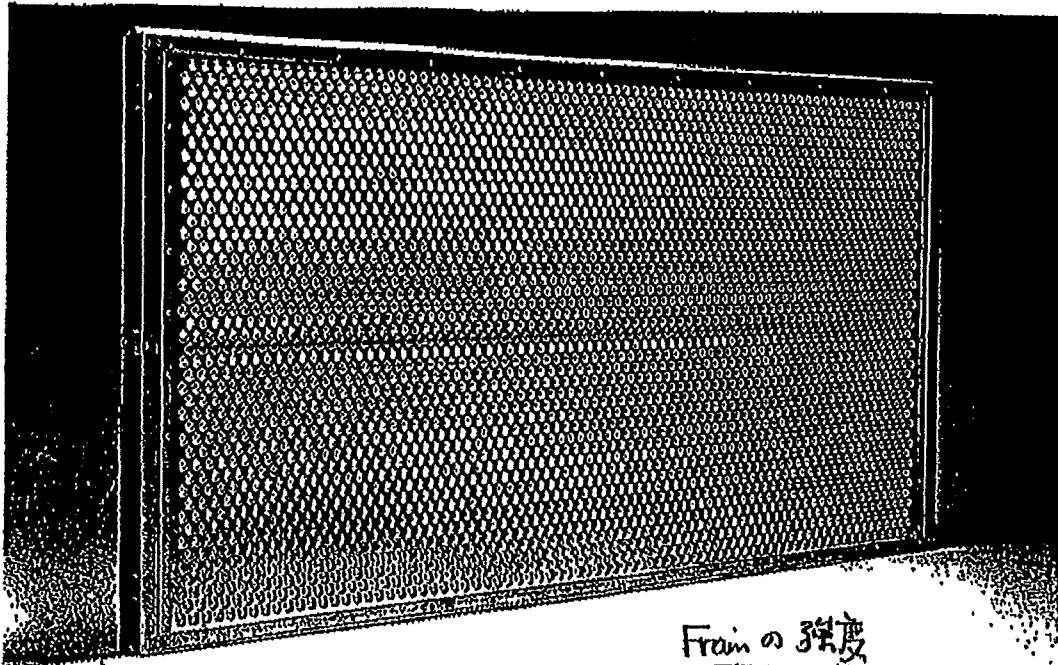
ARB Mr. Inagi.

P式パネル P-60型・100型

標準寸法 P-60型 : 60×1000×1970

P-100型 : 100×1000×1960

P-60型は、透過損失44dB(1KHz)の性能をもつ標準型(常備在庫品)であらゆる用途に適合します。P-100型は、さらに低周波域の吸音性を良くする為に空気層を設けてあります。P-60、100型共軽量で、H型に落し込み、ボルトで押すだけで簡単に取付けが出来ます。



Frameの強度

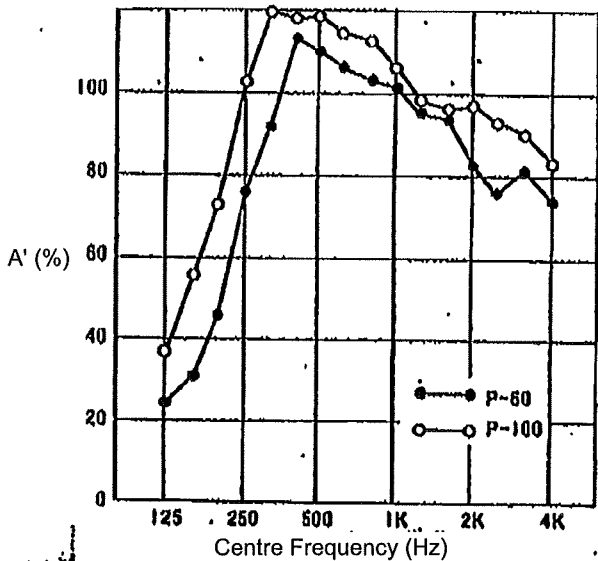
Capacity for acoustic absorptivity

measured by Tokyo Metropolitan Industrial Technology Research Institute

Frequency (Hz)	128	160	200	250	320	400	500	630
A for P-60	0.25	0.33	0.48	0.78	0.92	1.10	1.09	1.07
A for P-100	0.39	0.57	0.71	1.02	1.17	1.16	1.16	1.10

Frequency (Hz)	800	1 K	1.25K	1.6K	2 K	2.5K	3.2K	4 K
A for P-60	1.03	1.02	0.95	0.91	0.83	0.79	0.81	0.76
A for P-100	1.03	1.04	0.97	0.94	0.96	0.92	0.88	0.92

A : Sound Absorption Coefficients



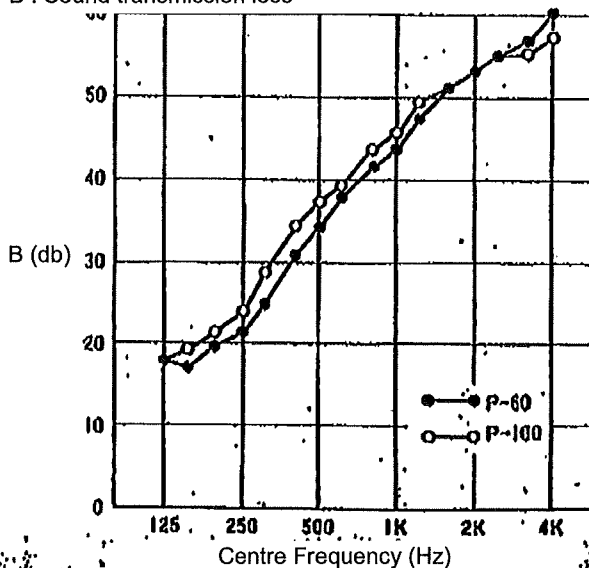
Capacity for sound insulation

measured by Tokyo Metropolitan Industrial Technology Research Institute

Frequency (Hz)	125	160	200	250	320	400	500	630
B for P-60	18	17	20	22	25	31	34	38
B for P-100	18	19	21	24	28	33	37	39

Frequency (Hz)	800	1 K	1.25K	1.6K	2 K	2.5K	3.2K	4 K
B for P-60	42	44	48	51	53	55	57	60
B for P-100	43	45	49	51	53	55	56	57

B : Sound transmission loss



A' : Sound Absorption Coefficients in a Reverberation Room

CERTIFIED WORKING DRAWING

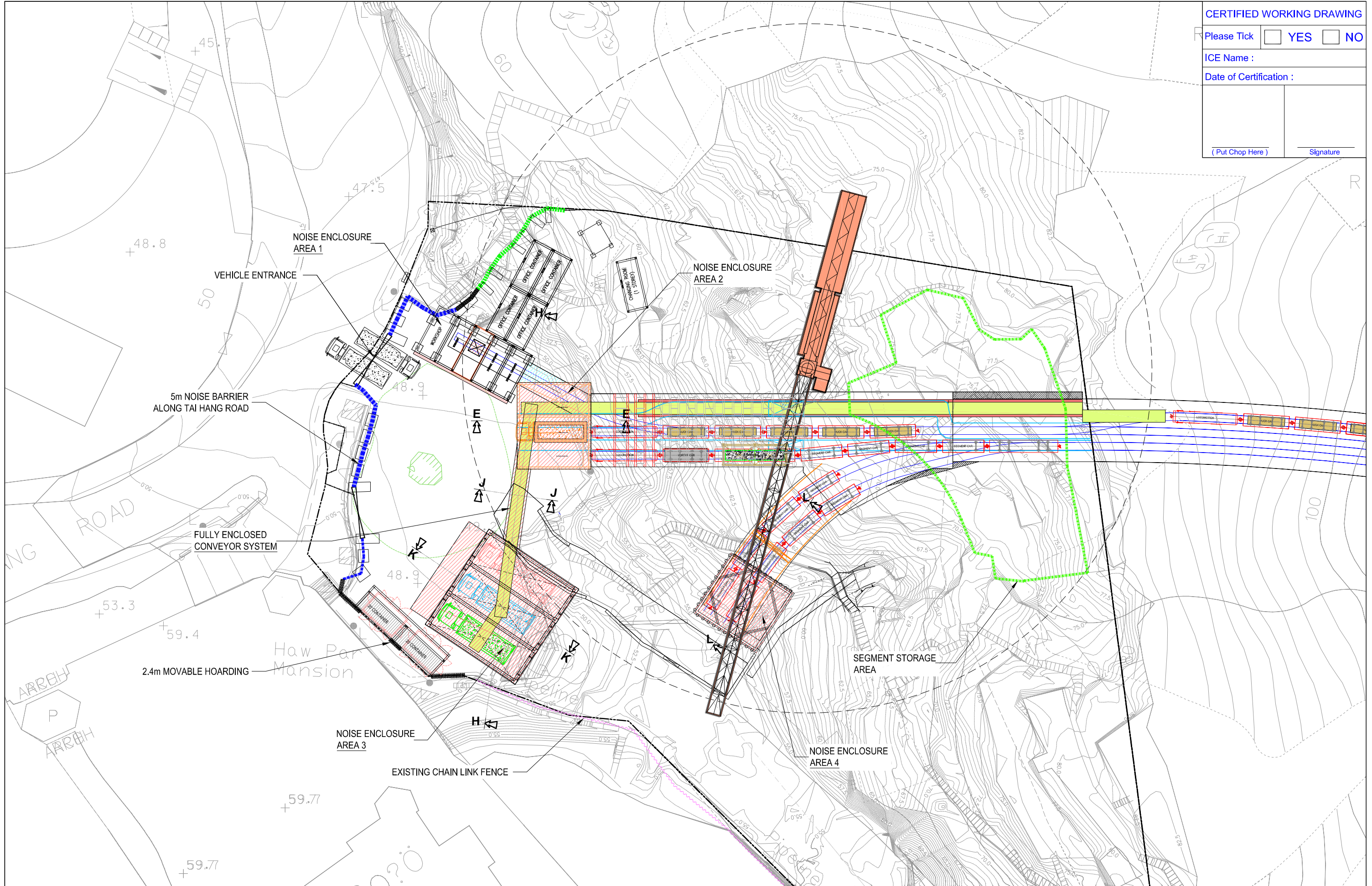
Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)

Signature



J:\04 - Technical\02-Method Drawings\1010 Eastern Portal Temporary Site Formation Works\SI Site Installation\HKWP-DNJV-MD-1010-SI-083A.dwg / 17/07/2008 11:31 / jenny.gabriel

REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
LAYOUT PLAN**

DRAWING REFERENCE NUMBER: HKWDP/DNJV/MD/1010/SI/083	REV. A
DRAWING STATUS: FOR APPROVAL	SCALE: 1/400
CADD FILENAME: HKWDP-DNJV-MD-1010-SI-083A	SHEET No. 1 OF 11

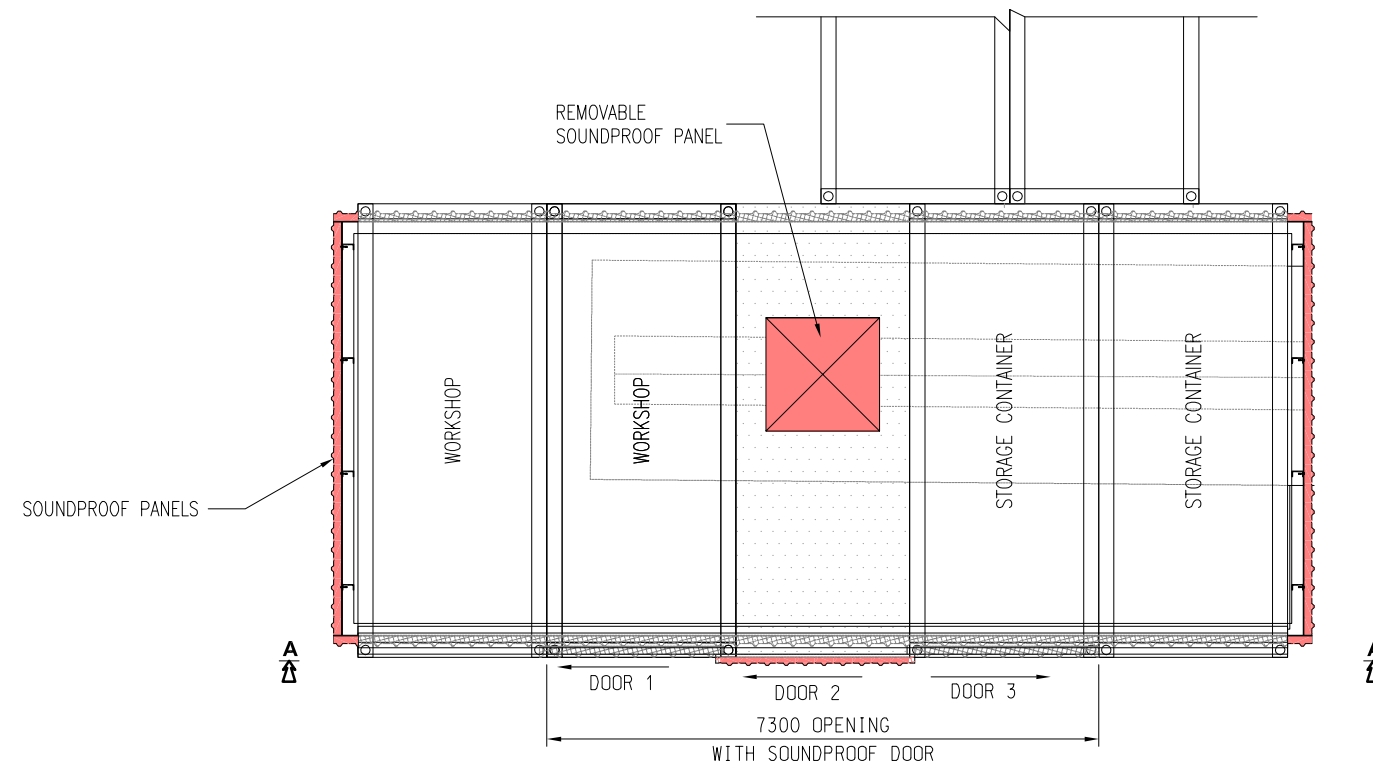
CERTIFIED WORKING DRAWING

Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)	Signature
-------------------	-----------



AREA 1 - PLAN
SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGg
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAIN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners Hong Kong Limited

PROJECT TITLE:

Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:

**EASTERN PORTAL
NOISE ENCLOSURE
FOR AREA 1**

DRAWING REFERENCE NUMBER:	HKWDP/DNJV/MD/1010/SI/083	REV.	A
DRAWING STATUS:	FOR APPROVAL	SCALE:	1/100
CADD FILENAME:	HKWDP-DNJV-MD-1010-SI-083A	SHEET No.:	2 OF 11

CERTIFIED WORKING DRAWING

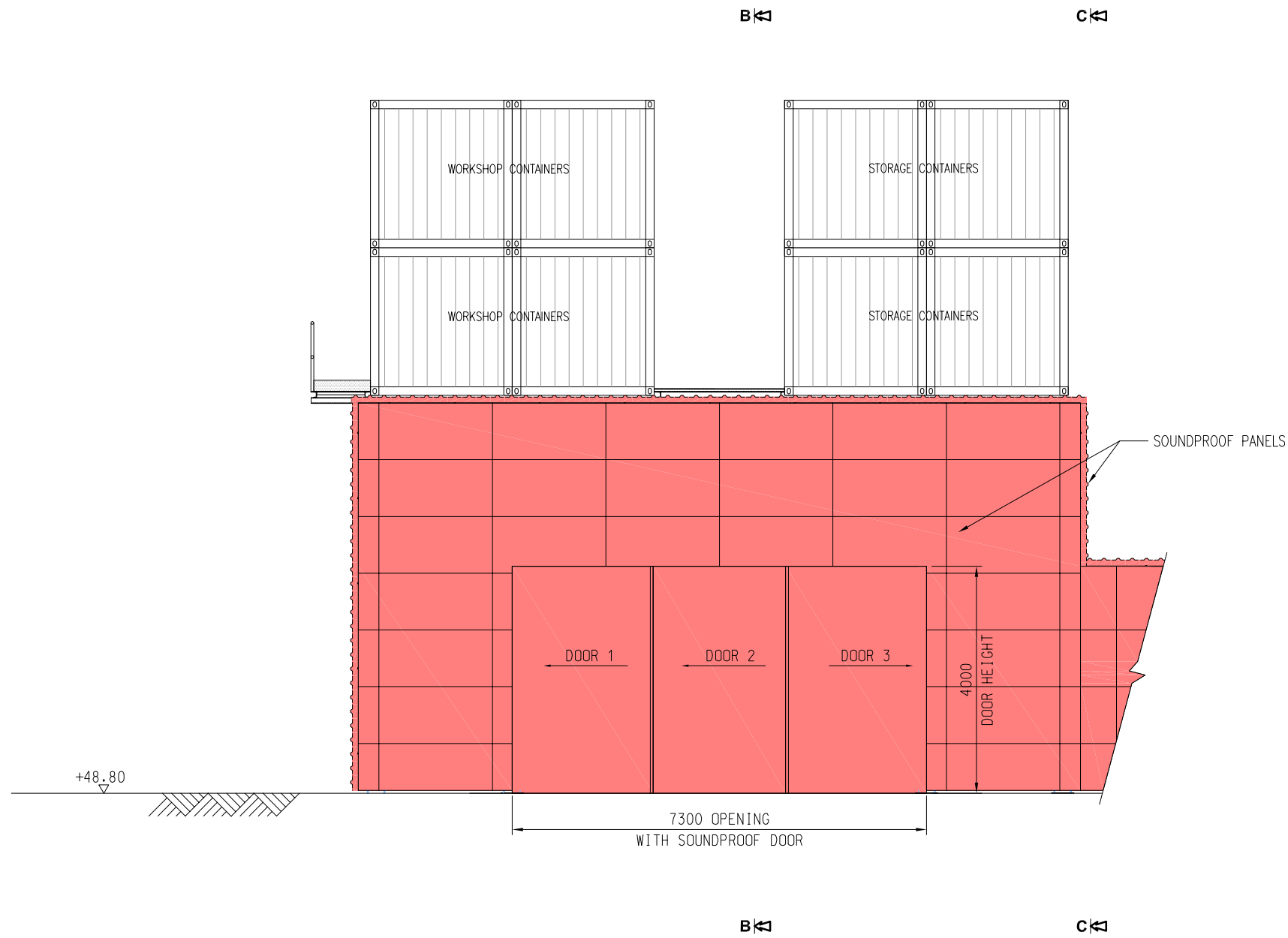
Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)

Signature



SECTION A - A
SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGg
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
SECTION A**

DRAWING REFERENCE NUMBER: HKWDP/DNJV/MD/1010/SI/083	REV. A
DRAWING STATUS: FOR APPROVAL	SCALE: 1/100
CADD FILENAME: HKWDP-DNJV-MD-1010-SI-083A	SHEET No. 3 OF 11

CERTIFIED WORKING DRAWING

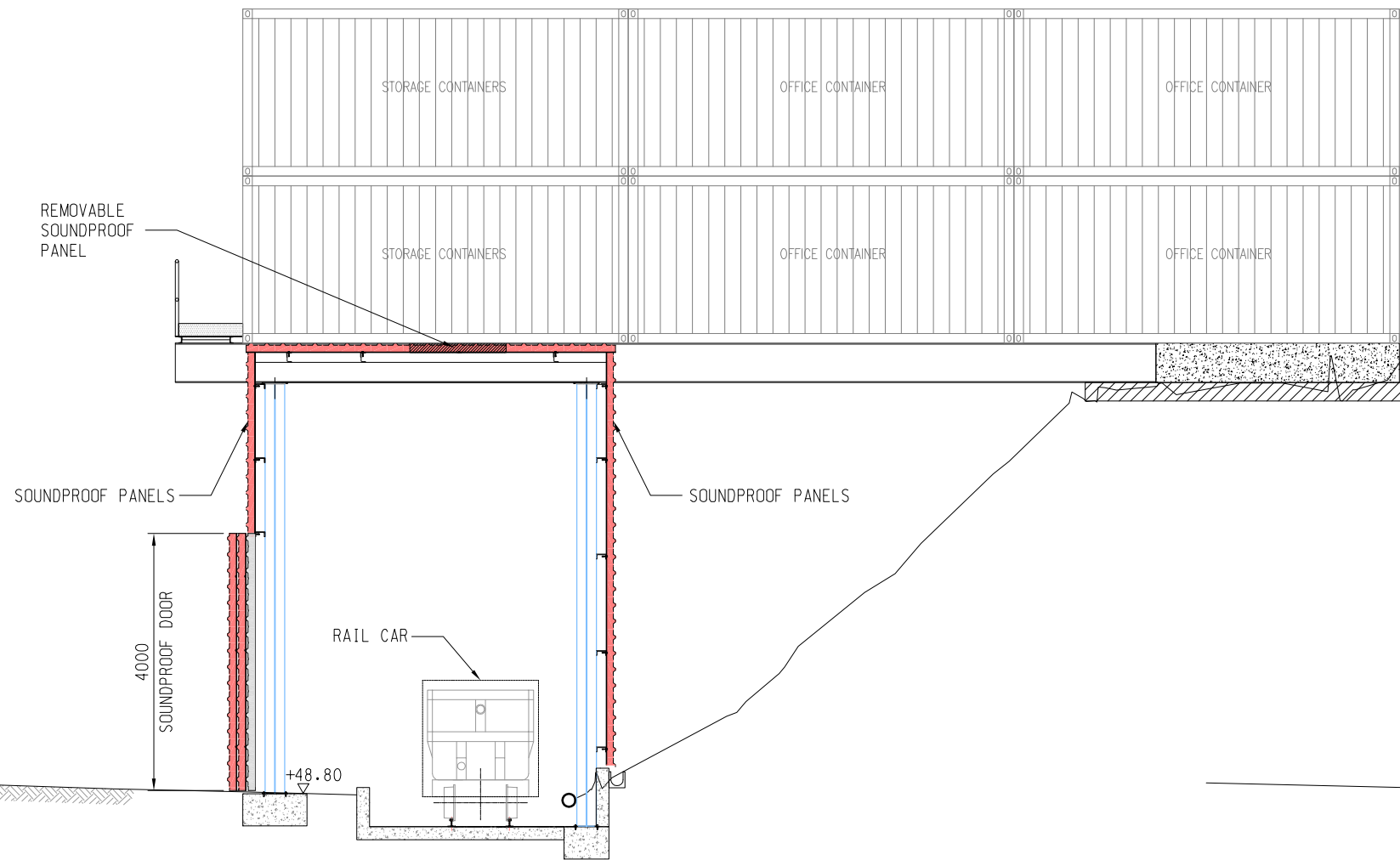
Please Tick YES NO

ICE Name :

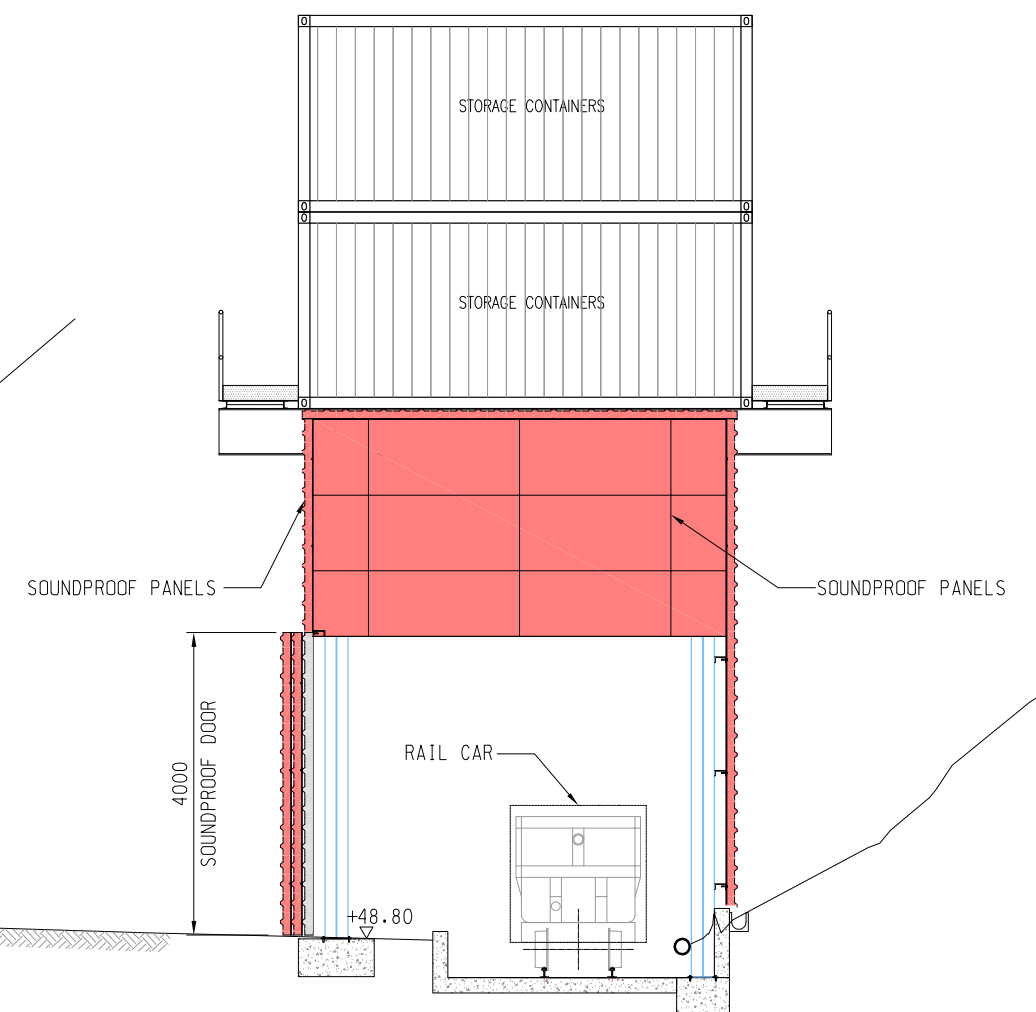
Date of Certification :

(Put Chop Here)

Signature



SECTION B - B
SCALE 1:100



SECTION C - C
SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
SECTION B & C**

DRAWING REFERENCE NUMBER: HKWDP/DNJV/MD/1010/SI/083	REV. A
DRAWING STATUS: FOR APPROVAL	SCALE: 1/100
CADD FILENAME: HKWDP-DNJV-MD-1010-SI-083A	SHEET No. 4 OF 11

CERTIFIED WORKING DRAWING

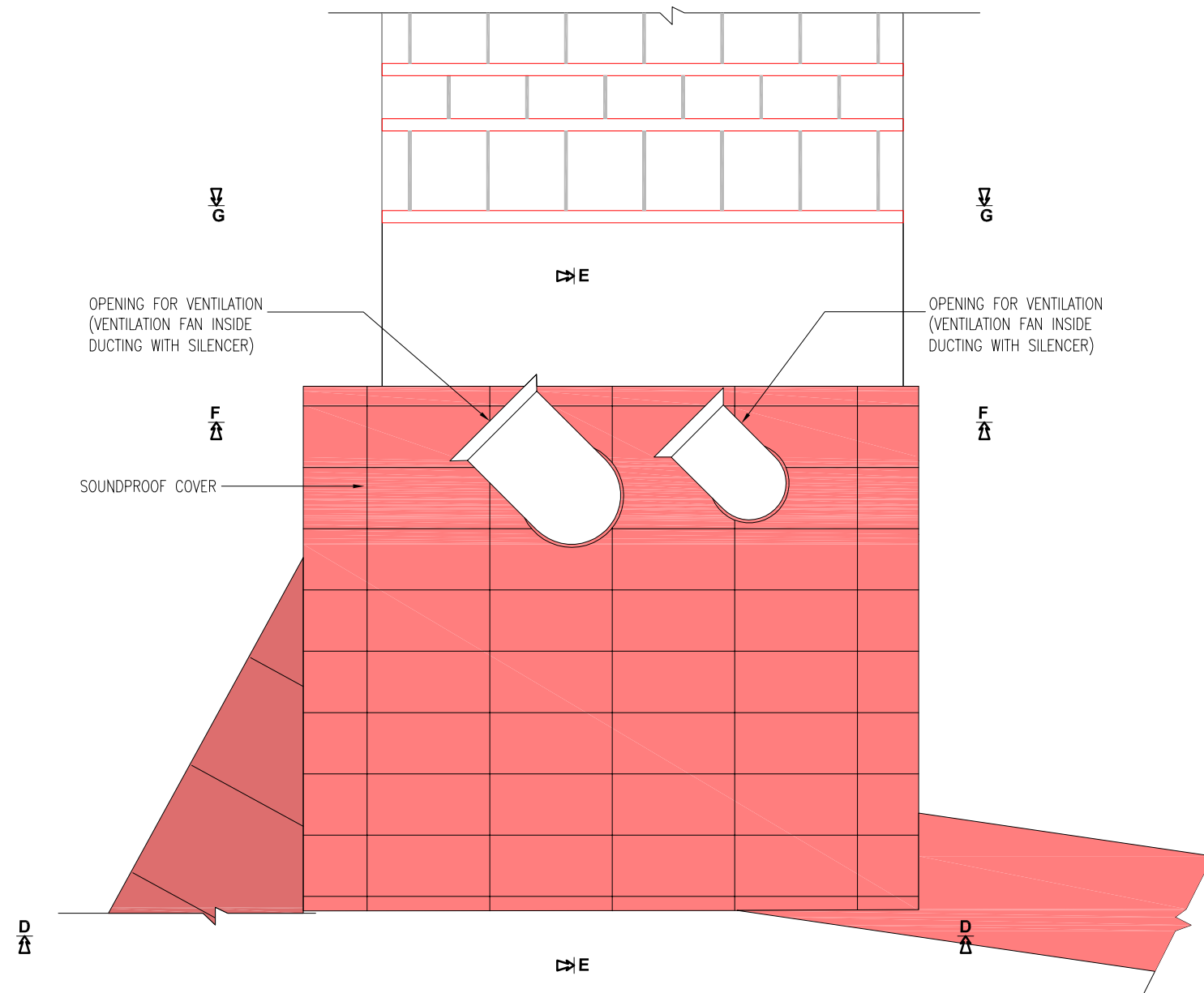
Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)

Signature



AREA 2 - PLAN
SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAIN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:

Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:

EASTERN PORTAL
NOISE ENCLOSURE
FOR AREA 2

DRAWING REFERENCE NUMBER:	HKWDP/DNJV/MD/1010/SI/083	REV.	A
DRAWING STATUS:	FOR APPROVAL	SCALE:	1/100
CADD FILENAME:	HKWDP-DNJV-MD-1010-SI-083A	SHEET No.:	5 OF 11

CERTIFIED WORKING DRAWING

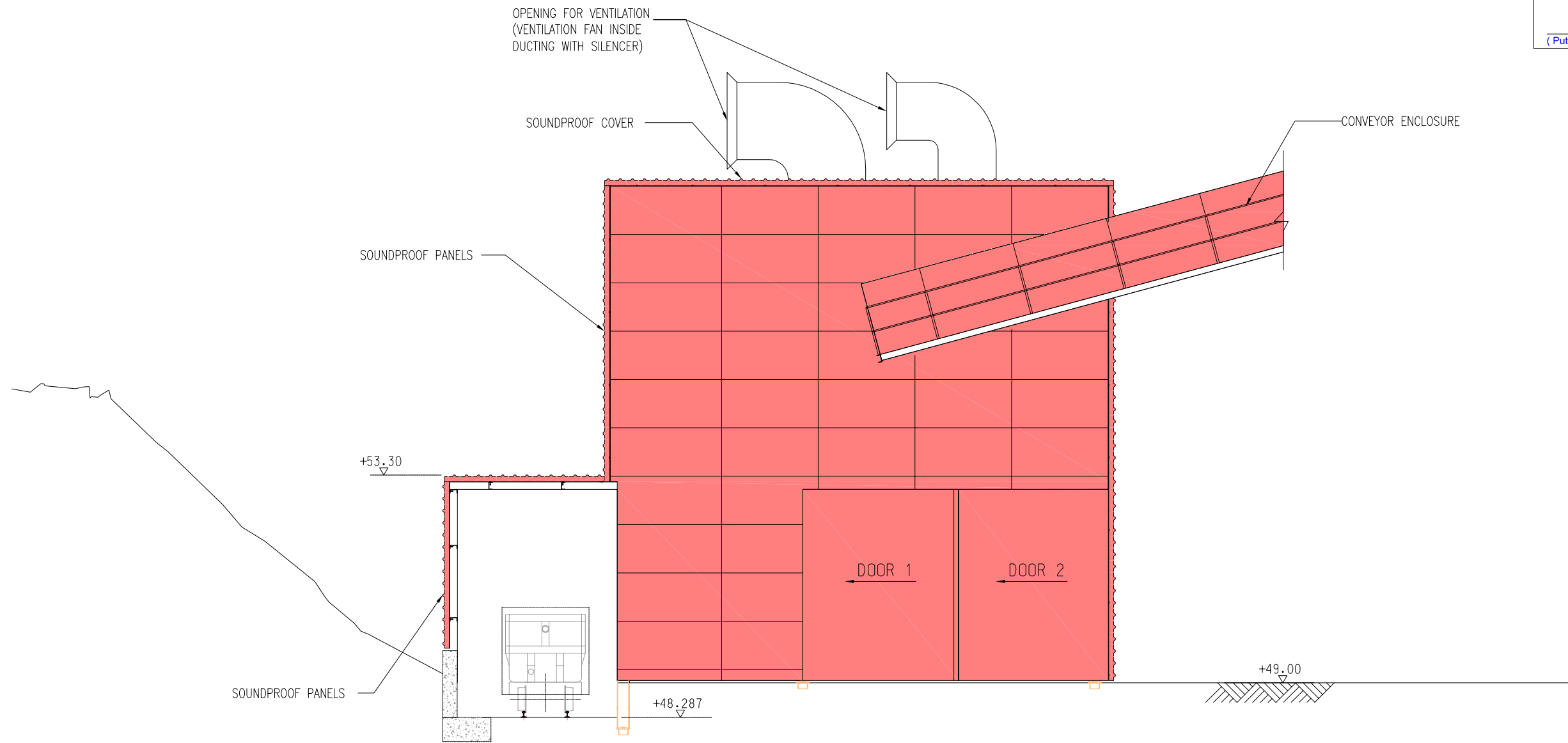
Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)

Signature



SECTION D - D

SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
SECTION D**

DRAWING REFERENCE NUMBER: HKWDP/DNJV/MD/1010/SI/083	REV. A
DRAWING STATUS: FOR APPROVAL	SCALE: 1/100
CADD FILENAME: HKWDP-DNJV-MD-1010-SI-083A	SHEET No. 6 OF 11

CERTIFIED WORKING DRAWING

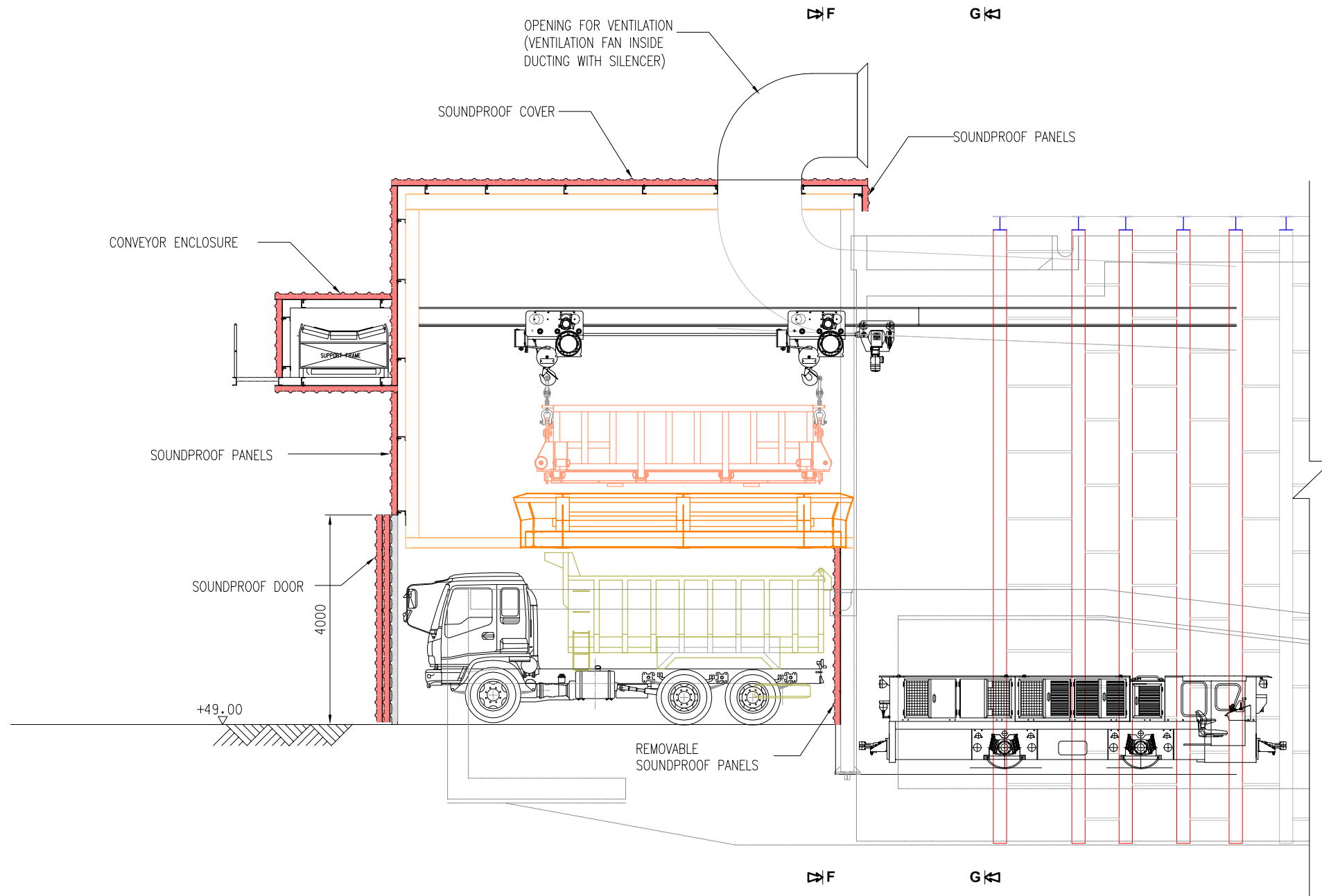
Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)

Signature



SECTION E - E
SCALE 1:100

J:\04 - Technical\02-Method Drawings\1010 Eastern Portal Temporary Site Formation Works\SI Site Installation\HKWP-DNJV-MD-1010-SI-083A.dwg / 17/07/2008 11:31 / Jenny.gabriel

DESIGNED BY	DBR
DRAWN BY	JGg
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08
REV	DATE
A	17/04/08
PCA	FIRST ISSUE
BY	DESCRIPTION

DESIGNED BY	DBR
DRAWN BY	JGg
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
SECTION E**

DRAWING REFERENCE NUMBER:	HKWDP/DNJV/MD/1010/SI/083	REV.	A
DRAWING STATUS:	FOR APPROVAL	SCALE:	1/100
CADD FILENAME:	HKWDP-DNJV-MD-1010-SI-083A	SHEET No.:	7 OF 11

CERTIFIED WORKING DRAWING

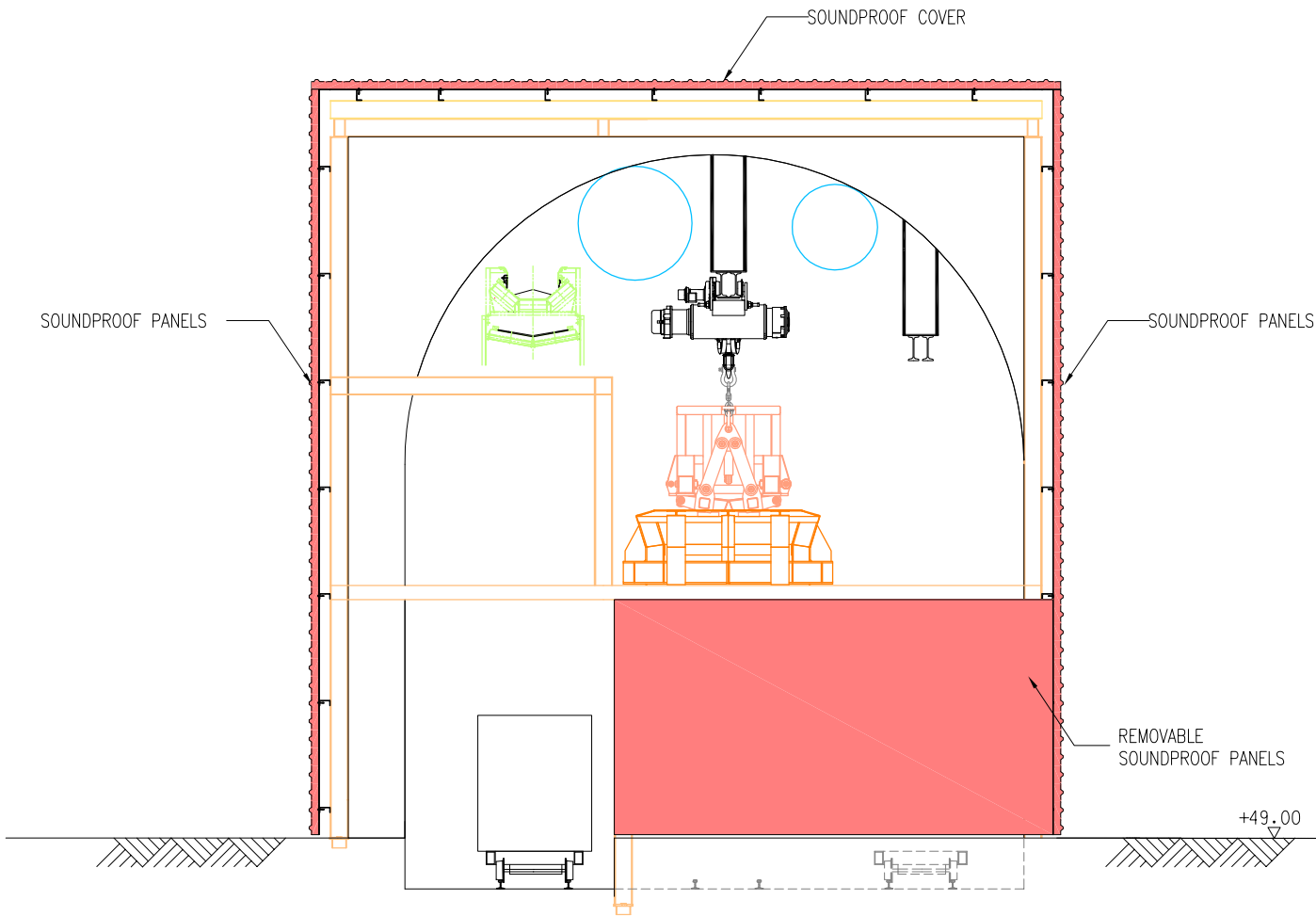
Please Tick YES NO

ICE Name :

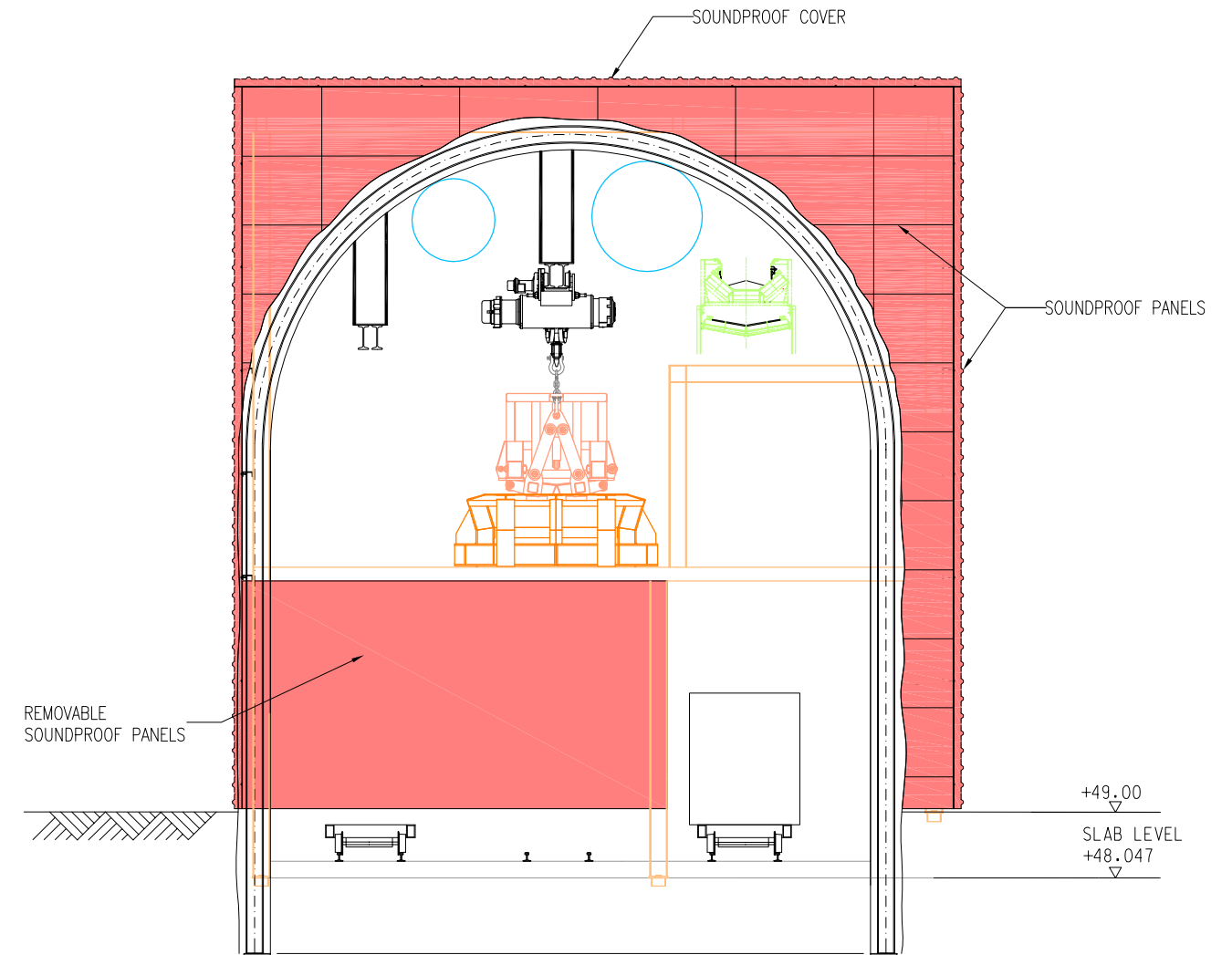
Date of Certification :

(Put Chop Here)

Signature



SECTION F - F
SCALE 1:100



SECTION G - G
SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
SECTION F & G**

DRAWING REFERENCE NUMBER: HKWDP/DNJV/MD/1010/SI/083	REV. A
DRAWING STATUS: FOR APPROVAL	SCALE: 1/100
CADD FILENAME: HKWDP-DNJV-MD-1010-SI-083A	SHEET No. 8 OF 11

CERTIFIED WORKING DRAWING

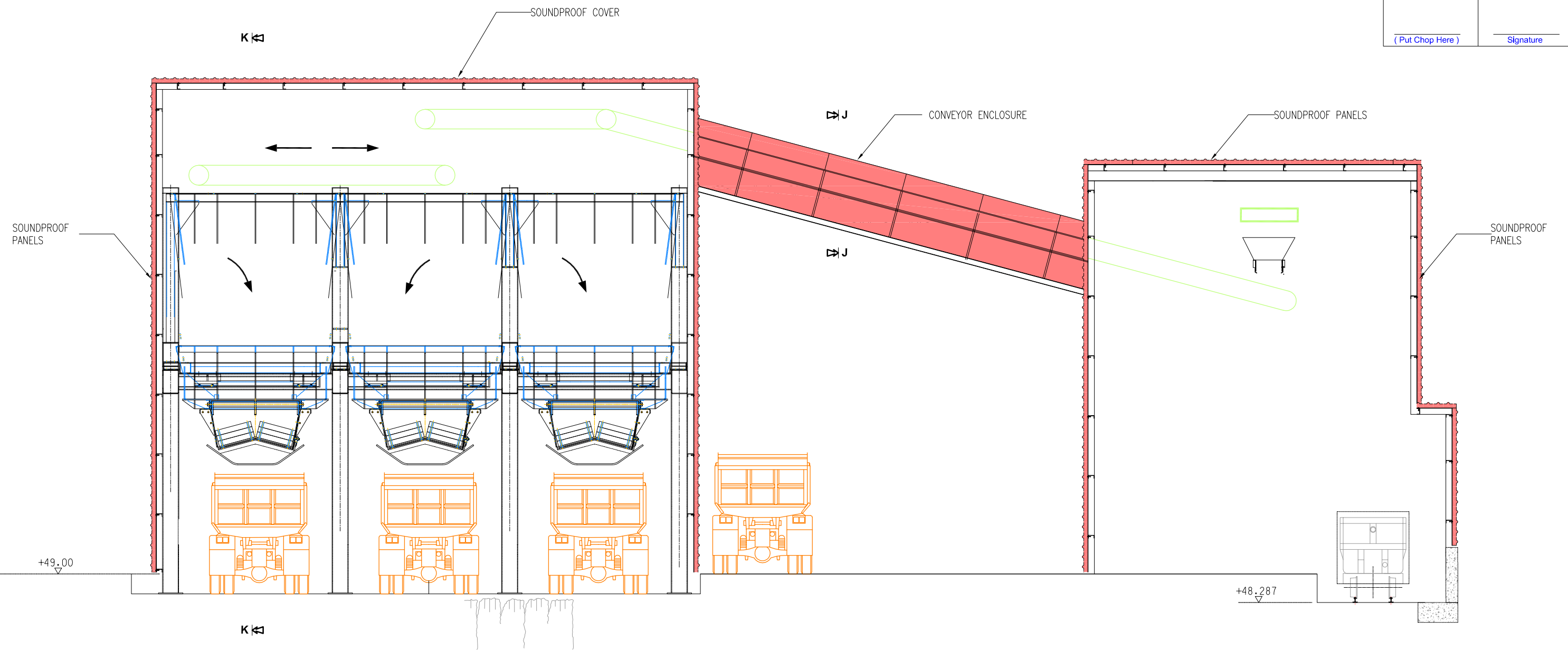
Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)

Signature



SECTION H-H
SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKi
IN CHARGE	PCA
DATE	17/04/08

MAIN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
SECTION H**

DRAWING REFERENCE NUMBER: HKWDP/DNJV/MD/1010/SI/083	REV. A
DRAWING STATUS: FOR APPROVAL	SCALE: 1/100
CADD FILENAME: HKWDP-DNJV-MD-1010-SI-083A	SHEET No. 9 OF 11

CERTIFIED WORKING DRAWING

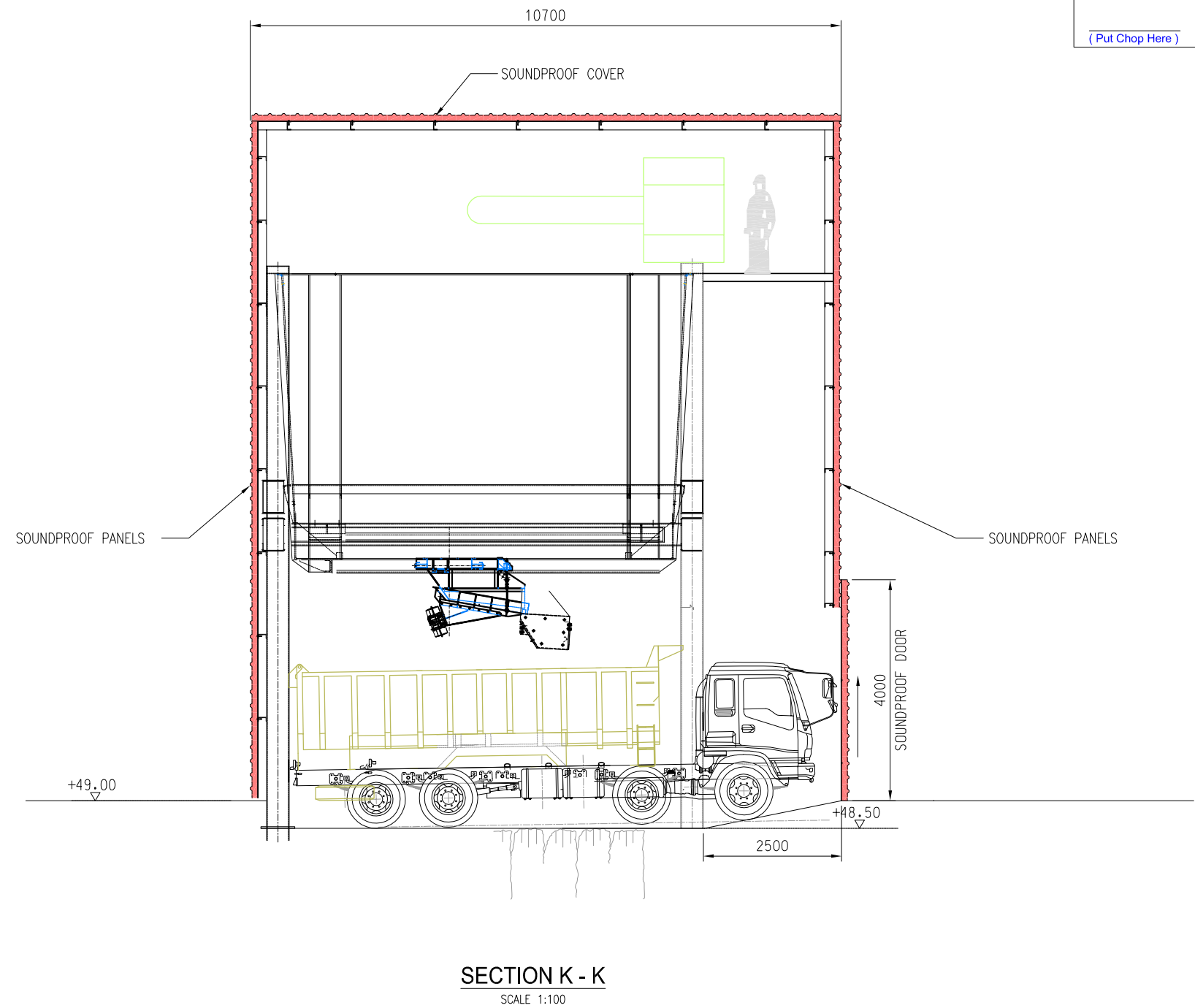
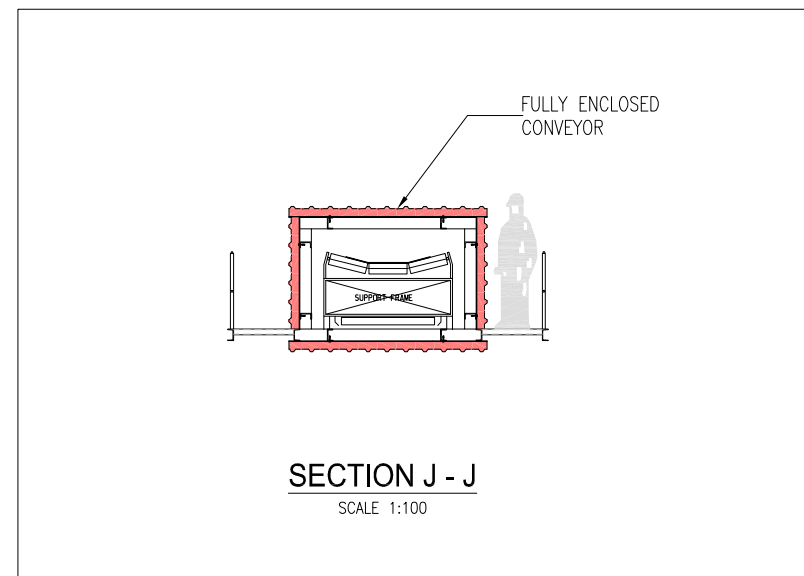
Please Tick YES NO

ICE Name :

Date of Certification :

(Put Chop Here)

Signature



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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKi
IN CHARGE	PCA
DATE	17/04/08

MAN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:
Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:
**EASTERN PORTAL
NOISE ENCLOSURE
SECTION J & K**

DRAWING REFERENCE NUMBER: HKWDP/DNJV/MD/1010/SI/083	REV. A
DRAWING STATUS: FOR APPROVAL	SCALE: 1/100
CADD FILENAME: HKWDP-DNJV-MD-1010-SI-083A	SHEET No. 10 OF 11

CERTIFIED WORKING DRAWING

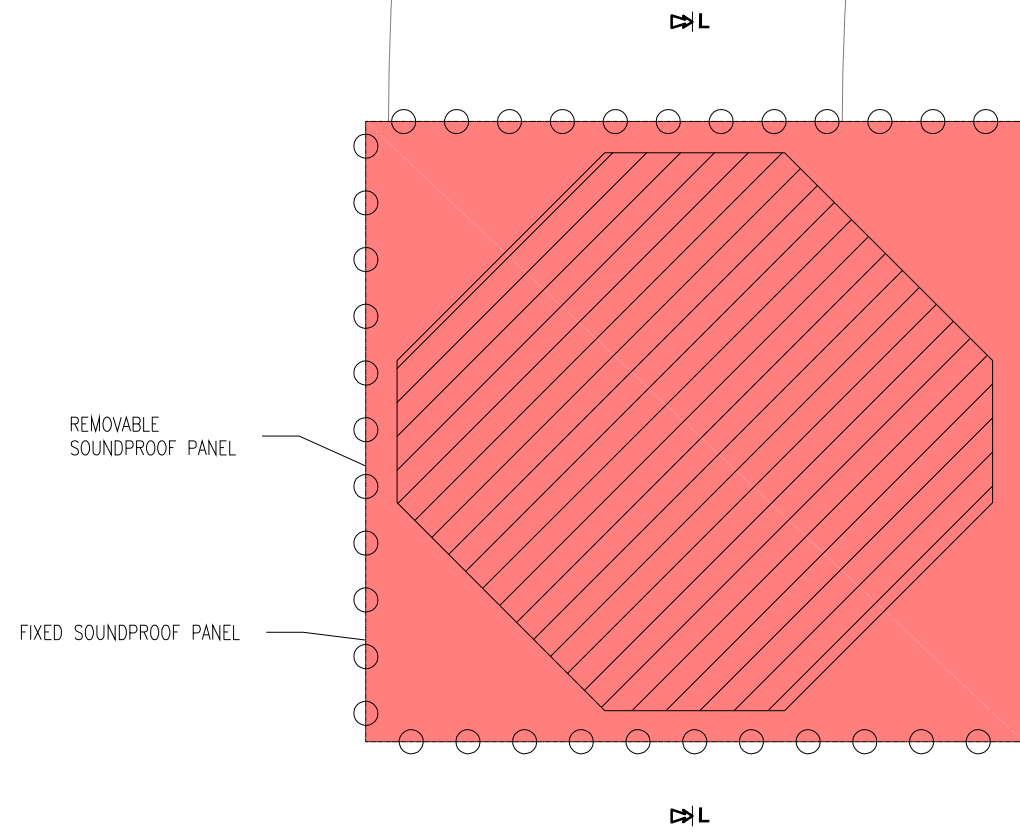
Please Tick YES NO

ICE Name :

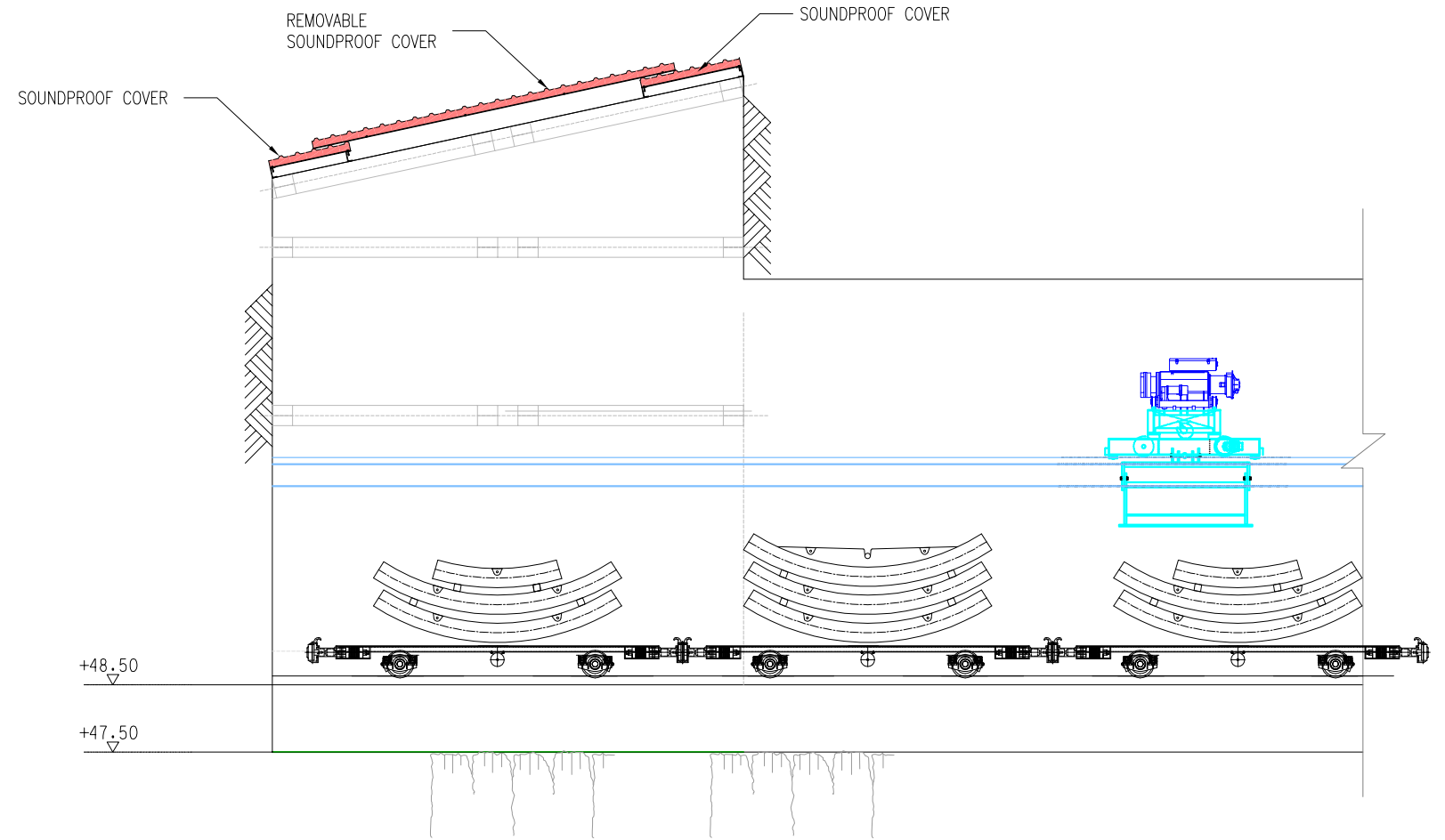
Date of Certification :

(Put Chop Here)

Signature



AREA 4 - PLAN
SCALE 1:100



SECTION L - L
SCALE 1:100

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REV	DATE	BY	DESCRIPTION
A	17/04/08	PCA	FIRST ISSUE

DESIGNED BY	DBR
DRAWN BY	JGo
CHECKED BY	BKI
IN CHARGE	PCA
DATE	17/04/08

MAIN CONTRACTOR:

Dragages-Nishimatsu Joint Venture

CONTRACTOR'S DESIGNER:

MAUNSELL | AECOM

CLIENT:

Drainage Services Department

CONSULTANT:

ARUP Ove Arup & Partners
Hong Kong Limited

PROJECT TITLE:

Contract no.DC/2007/10
Design and Construction
of
Hong Kong West Drainage Tunnel

DRAWING TITLE:

**EASTERN PORTAL
NOISE ENCLOSURE
FOR AREA 4 & SECTION L**

DRAWING REFERENCE NUMBER:	HKWDP/DNJV/MD/1010/SI/083	REV.	A
DRAWING STATUS:	FOR APPROVAL	SCALE:	1/100
CADD FILENAME:	HKWDP-DNJV-MD-1010-SI-083A	SHEET No.:	11 OF 11