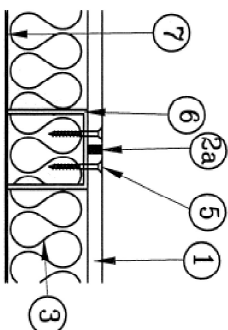
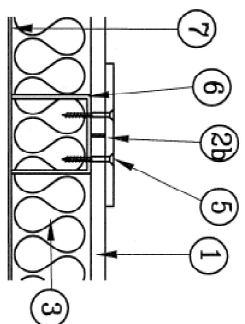
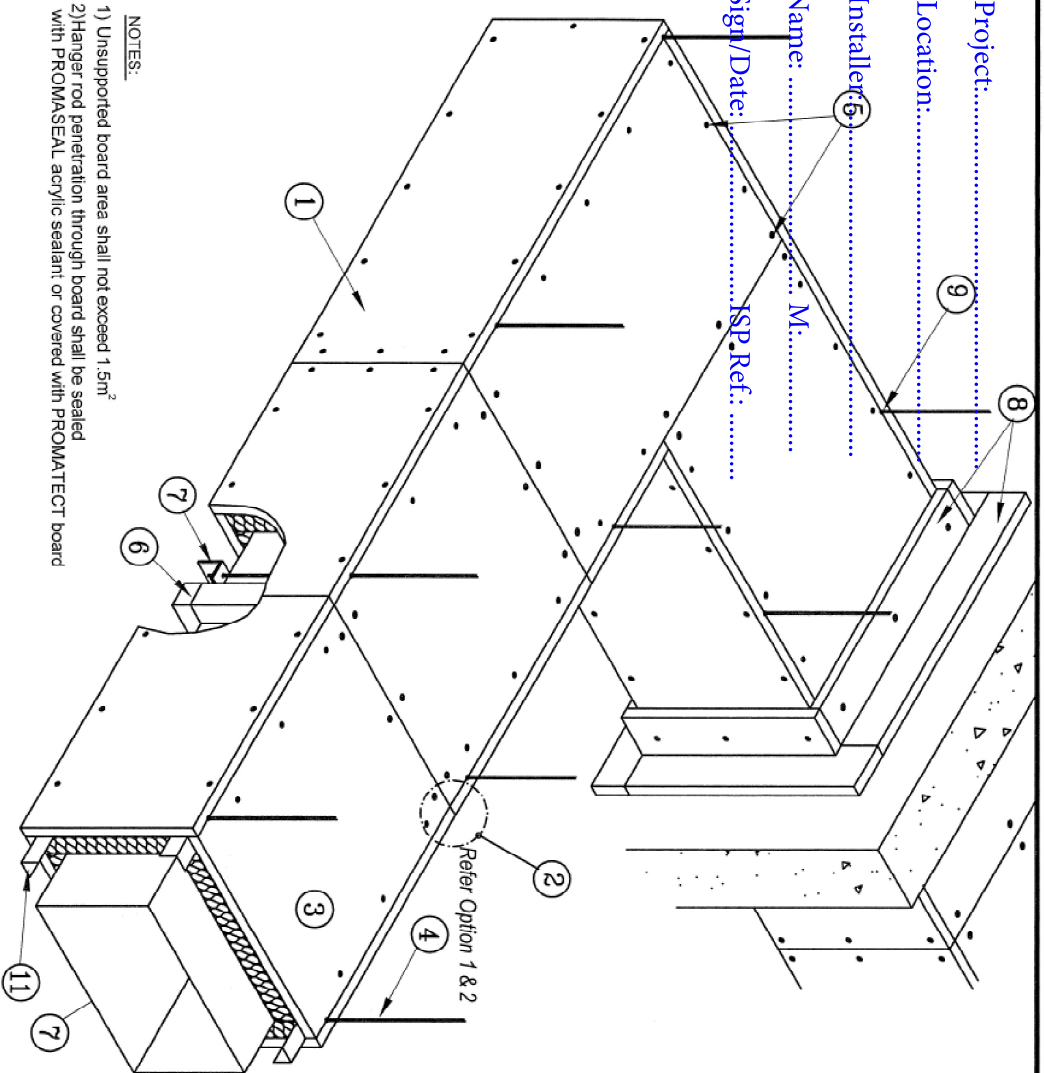


Project:.....
 Location:.....
 Installer:.....
 Name: M.....
 Sign/Date: JSP, Ref:



- NOTES:-
 1) Unsupported board area shall not exceed 1.5m²
 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

This information is intended for approximate representations only. The user must determine the suitability of the design and requirements before undertaking any works relating to Promat's drawing details. Promat accepts no liability for alterations to these drawings and representations.

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Title:
PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
(MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)

Subject/Project:
TYPICAL DRAWING

Drawn by: BK
 Checked by:
 Date: 21-01-19
 No Of Sheet: 10
 Scale: NTS

Standard Drawing
 Project Drawing

Dimension: mm

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints : a) PROMATECT acrylic fire sealant / <u>OR</u> b) PROMASEAL acrylic fire cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50kg/m ³ ii) 2-hr: 50kg/m x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint cavity fill with mineral wool: (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

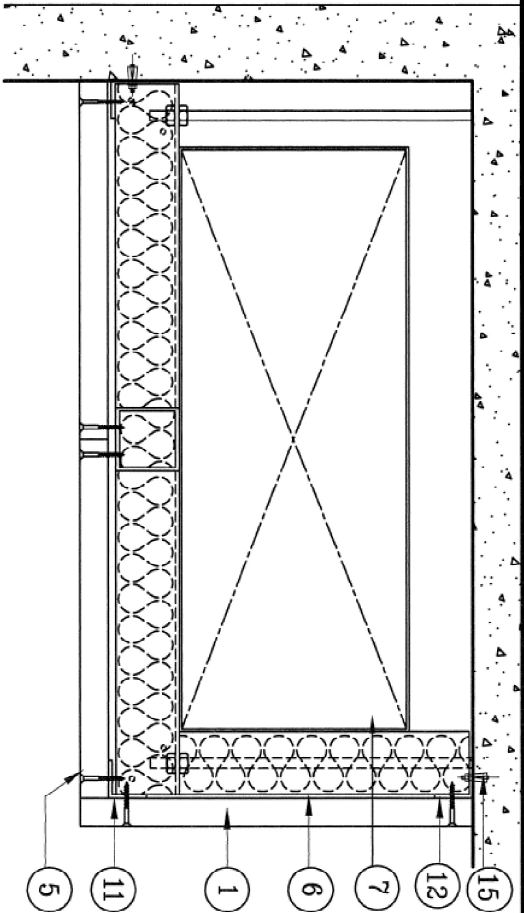
Drawing no.: PH4160-24/SD/1_10

Model no.: PH.41.60, PH.41.12, PH.41.24

Test Standard: BS 476: Part 24

CoC no.: 11A0030 / 80553 0401

Amendment no.: 5

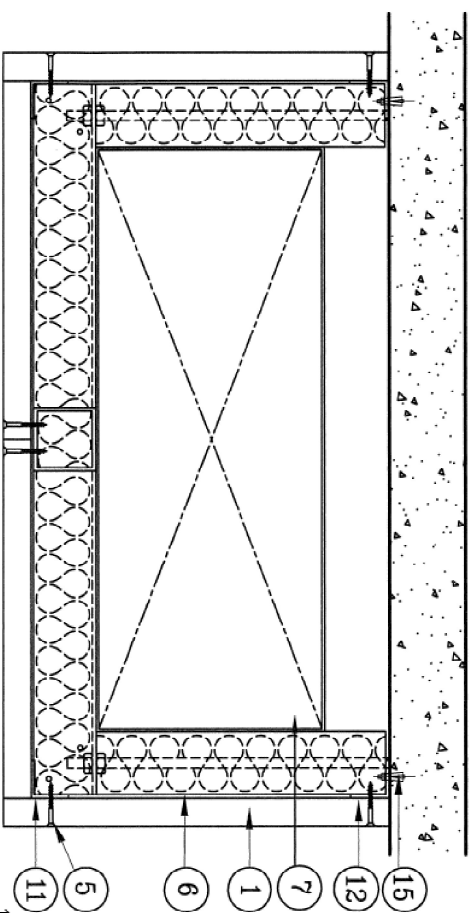


2-Sided Protection

Project:.....
 Location:.....

Installer:.....
 Name: M:.....
 Sign/Date: ISP Ref:

3-Sided Protection



- NOTES:
 1) Unsupported board area shall not exceed 1.5m²
 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50mm x 60kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coinholes with boards' butt-joint cavity fill with mineral wool: (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-scollar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x0.6mm (refer note 1) ii) 4-hr: U-100x50x1.00x0.6mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

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Title:
**PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
 (MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)**

Subject/Project:
TYPICAL DRAWING

Drawn by: BK
 Checked by:
 Date: 21-01-19

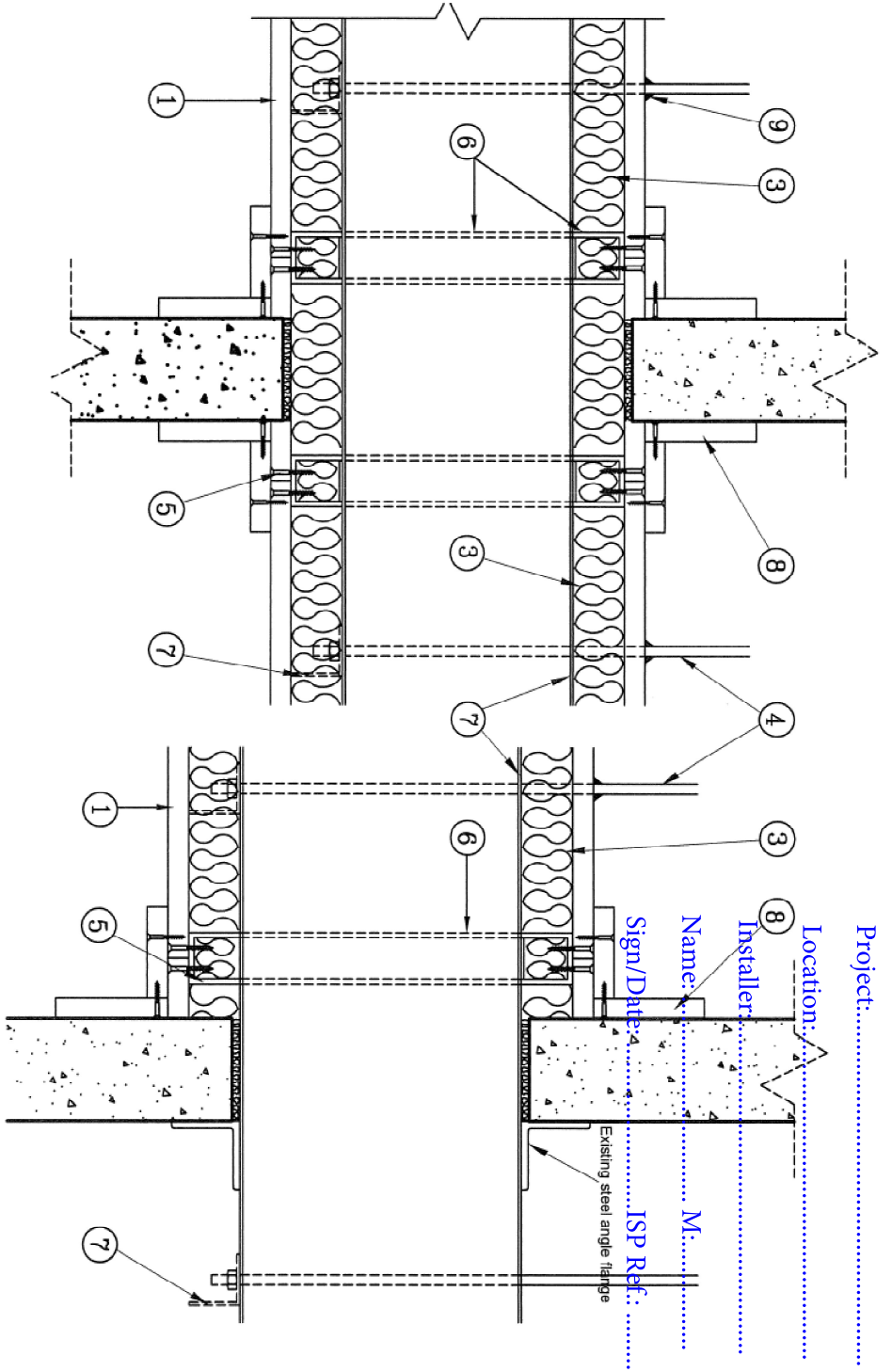
No Of Sheet: 10

Scale: NTS

Dimension: mm

Standard Drawing
 Project Drawing

Drawing no.: PH4160-24/SD/2_10
 Model no.: PH.41.60, PH.41.12, PH.41.24
 Test Standard: BS 476: Part 24
 Coc no.: 11A0030 / 80553 0401
 Amendment no.: 5



WALL PENETRATION DETAIL

- NOTES:**
- 1) Unsupported board area shall not exceed 1.5m²
 - 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM (MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)

TYPICAL DRAWING

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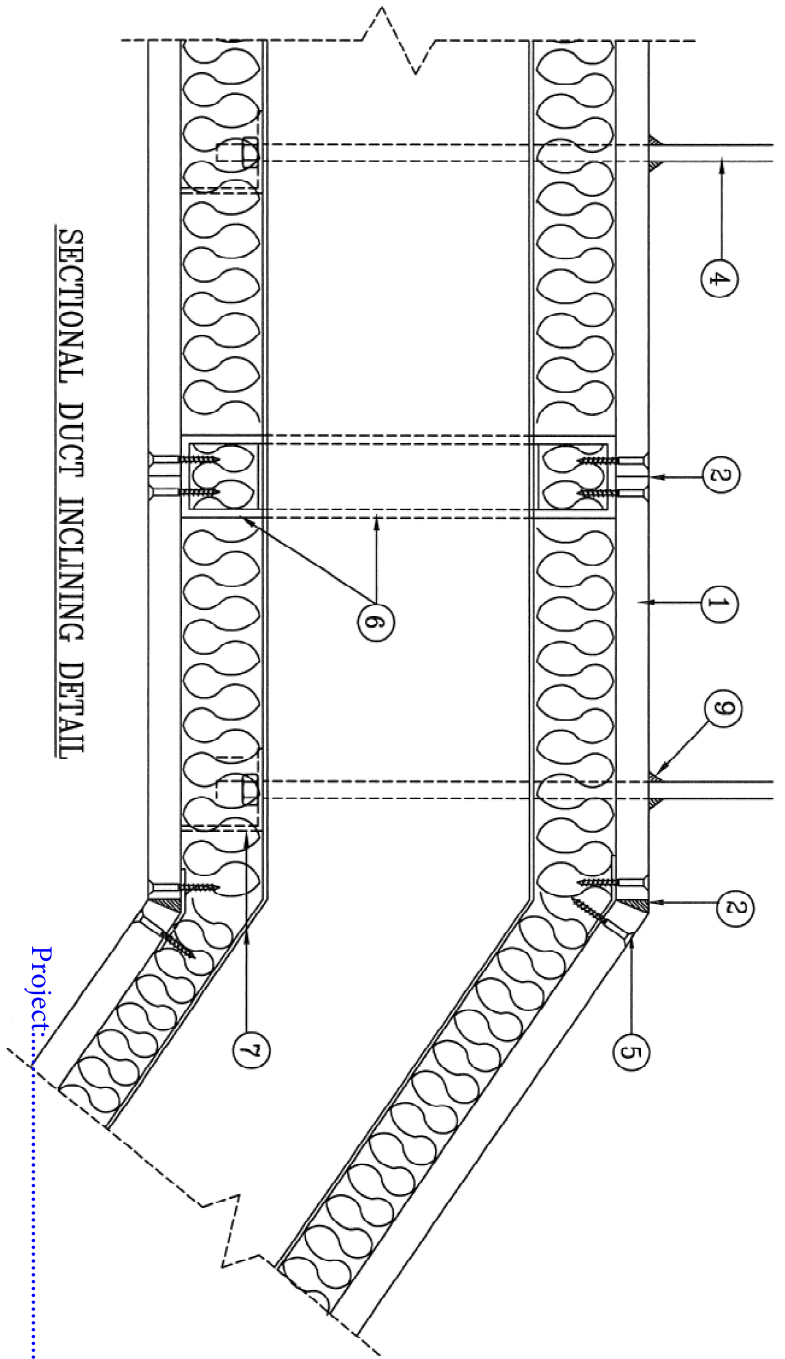
Title:	PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM (MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)		
Subject/Project:	TYPICAL DRAWING		
Drawn by:	Checked by:	Date:	No. Of Sheet
BK		21-01-19	10
Scale:	Dimension:		
NTS	mm		

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints: a) PROMASEAL acrylic fire sealant / OR b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50mm x 60kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

Drawn no.: PH4160-24/SD/3_10

Model no.: PH.41.60, PH.41.12, PH.41.24
 Test Standard: BS 476: Part 24

C&C no.: 11A0030 / 80553 0401
 Amendment no.: 5



SECTIONAL DUCT INCLINING DETAIL

Project:.....
 Location:.....
 Installer:.....
 Name: M:.....
 Sign/Date: ISP Ref:

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Title:
**PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
 (MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)**

Subject/Project:
TYPICAL DRAWING

Drawn by:	Checked by:	Date:	No. Of Sheet:	Scale:	Dimension:
BK		21-01-19	10	NTS	mm

Standard Drawing
 Project Drawing

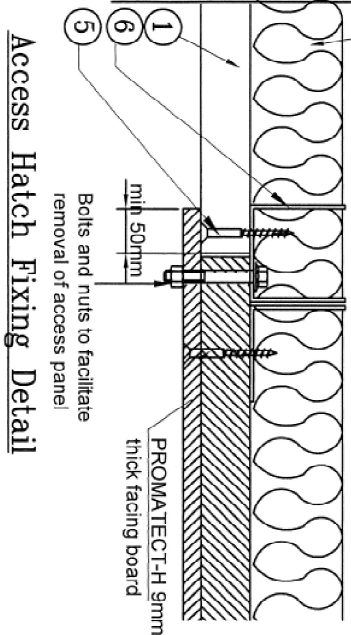
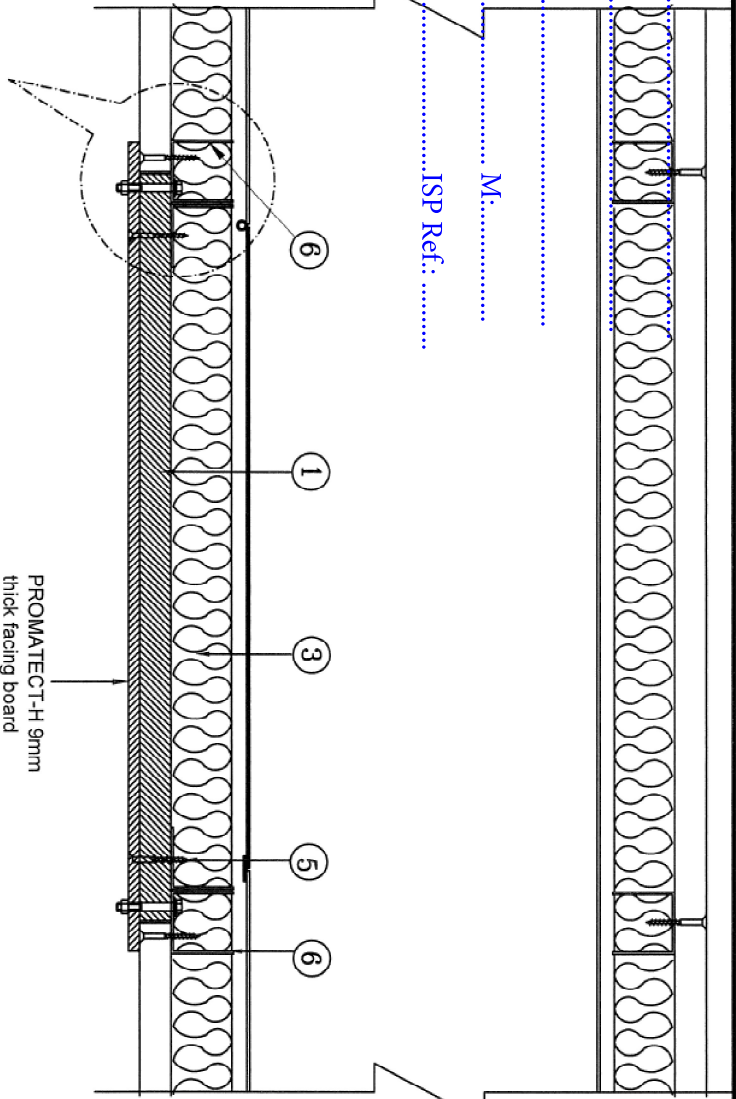
Test Standard:
BS 476: Part 24

Model no.:
PH.41.60, PH.41.12, PH.41.24

CoC no.:
11A0030 / 80553 0401

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50mm x 60kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint cavity fill with mineral wool: (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

Project:
 Location:
 Installer:
 Name: M.....
 Sign/Date: ISP Ref:



- NOTES:**
- 1) Unsupported board area shall not exceed 1.5m²
 - 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

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Title:
 PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
 (MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)

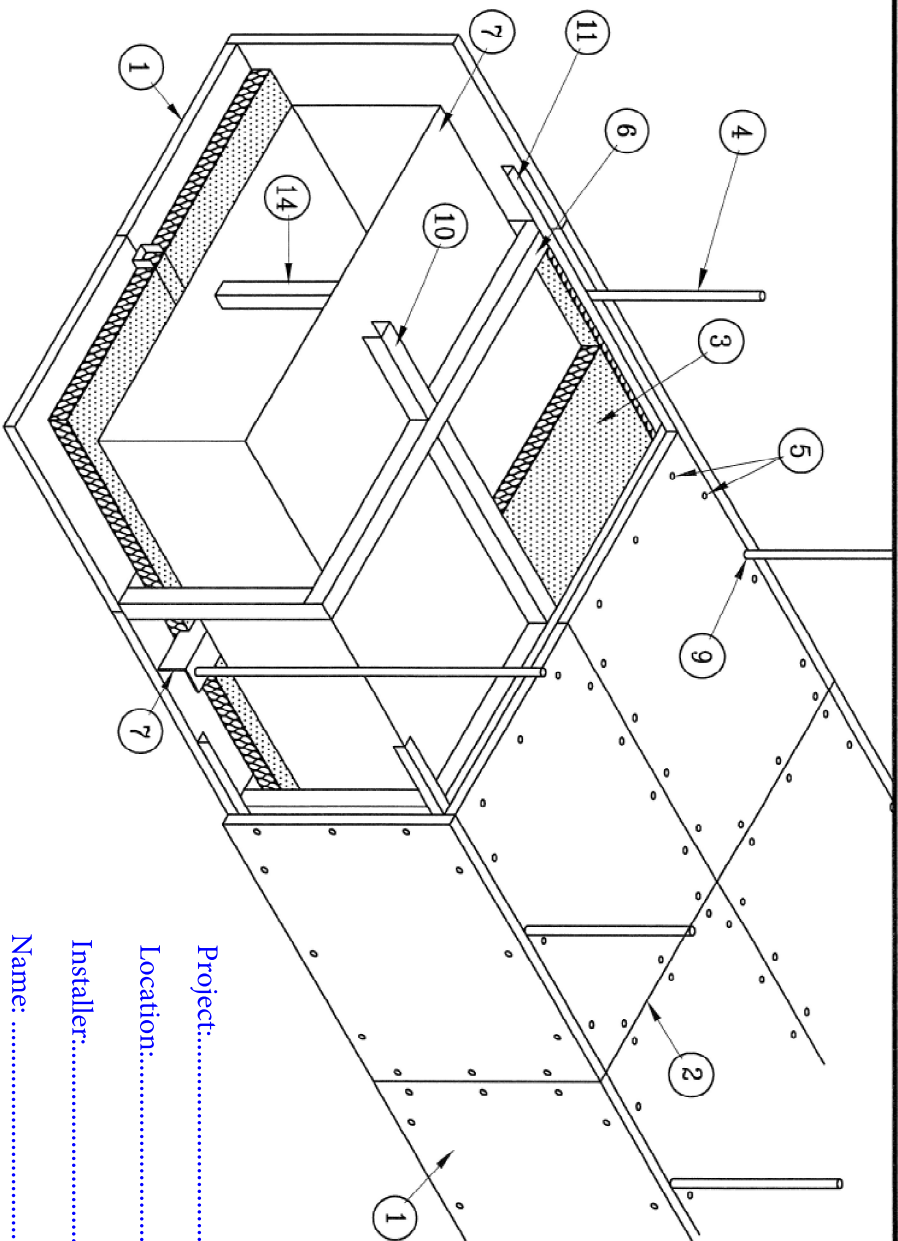
Subject/Project:
 TYPICAL DRAWING

Drawn by: BK	Checked by: [Signature]	Date: 21-01-19	No Of Sheet: 10	Scale: NTS	Dimension: mm
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- Standard Drawing
 Project Drawing

Model no.: PH41.60.PH.41.12.PH.41.24
Test Standard: BS 476: Part 24
CoC no.: 11A0030 / 80553 0401
Amendment no.: 5

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50mm x 60kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint cavity fill with mineral wool: (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-g collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>



INTERNAL DUCT SIZE UP TO 6m

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Title:
PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
(MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)

Subject/Project:
TYPICAL DRAWING

Standard Drawing
 Project Drawing

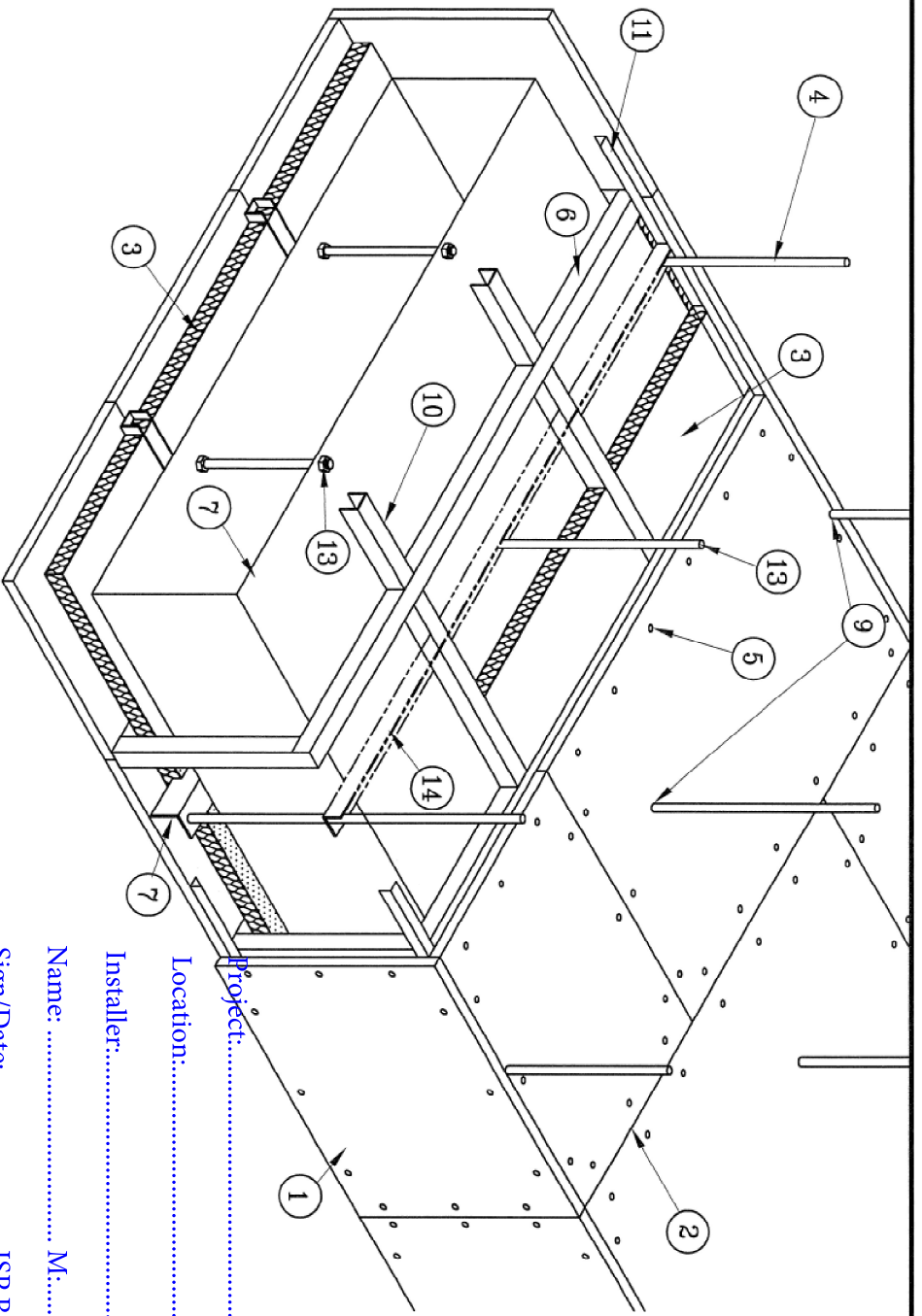
Drawn by: BK
 Checked by: [Signature]
 Date: 21-01-19
 No Of Sheet: 10
 Scale: NTS
 Dimension: mm

Project:.....
 Location:.....
 Installer:.....
 Name: M:.....
 Sign/Date:ISP Ref.:

- NOTES:
- 1) Unsupported board area shall not exceed 1.5m²
 - 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr:25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50mm x 60kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

Drawing no.: PH4160-24/SD/6_10
 Model no.: PH.41.60.PH.41.12.PH.41.24
 Test Standard: BS 476: Part 24
 CoC no.: 11A0030 / 80553 0401
 Amendment no.: 5



INTERNAL DUCT SIZE ABOVE 6m

- NOTES:**
- 1) Unsupported board area shall not exceed 1.5m²
 - 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

Project:

Location:

Installer:

Name: M:

Sign/Date: JSP Ref:

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 8N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>


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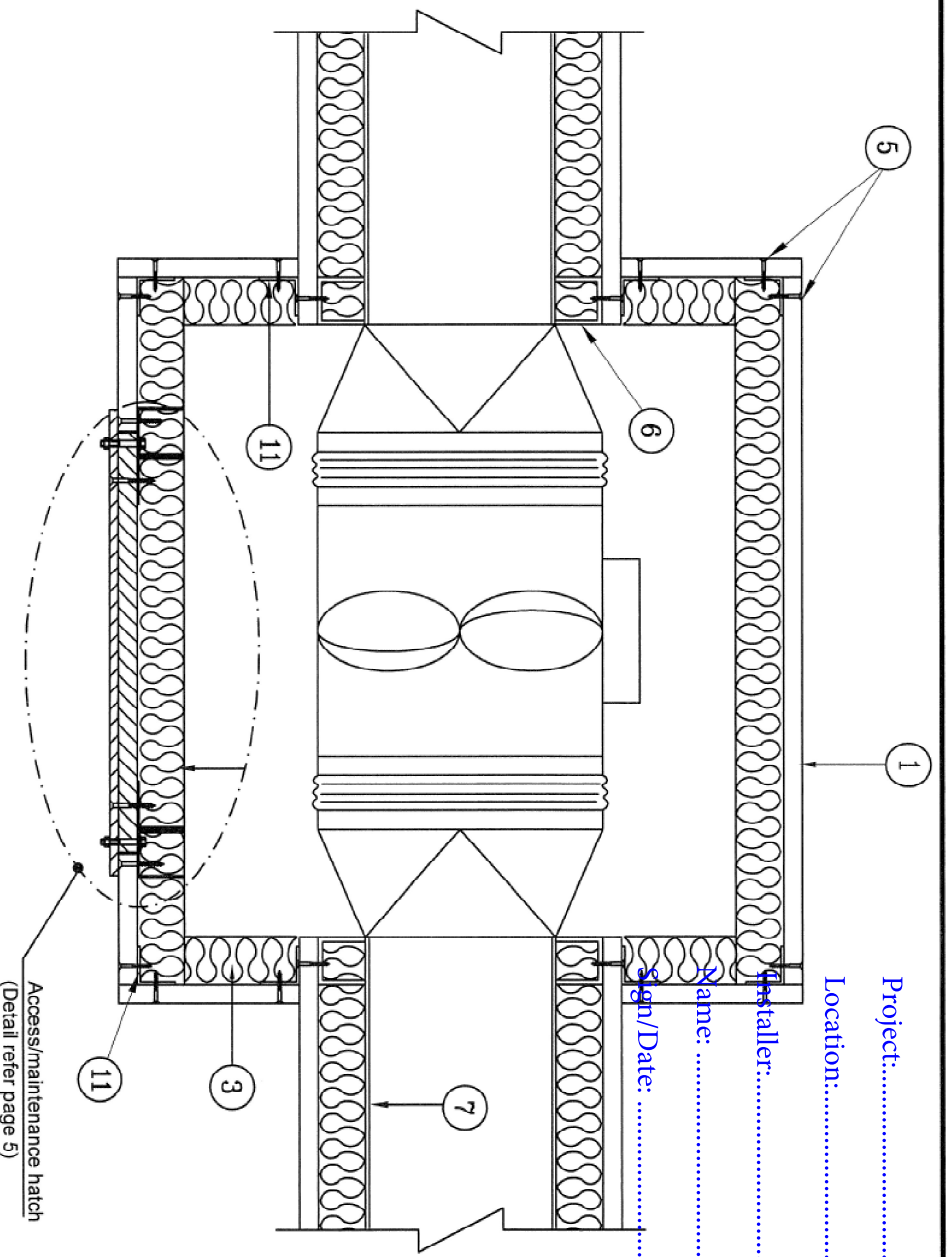
Title:
**PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
(MEET IMPACT RESISTANCE BSS5234: PT 2 & ISO TR 1896 REQUIREMENT)**

Subject/Project:
TYPICAL DRAWING

Standard Drawing
 Project Drawing

Drawn by: BK
Checked by: 
Date: 21-01-19
No Of Sheet: 10
Scale: NTS
Dimension: mm

Model no.: PH4160, PH4112, PH4124
Test Standard: BS 476: Part 24
Coc no.: 11A0030 / 80553 0401
Amendment no.: 5



FAN ENCLOSURE DETAIL

- NOTES:
- 1) Unsupported board area shall not exceed 1.5m²
 - 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

This information is intended for approximate representations only. The user must determine the suitability of the design and requirements before undertaking or constructing any works relating to Promat's drawings details. Promat accepts no liability for aforementioned drawings and representations.



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Singapore Science Park II
Singapore 117684
Tel : 65-6776 7635
Fax : 65-6776 7624

Project:.....
Location:.....
Installer:.....
Name: M:.....
Sign/Date: ISP Ref:

Title:
**PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
(MEET IMPACT RESISTANCE BSS5234: PT 2 & ISO TR 1896 REQUIREMENT)**

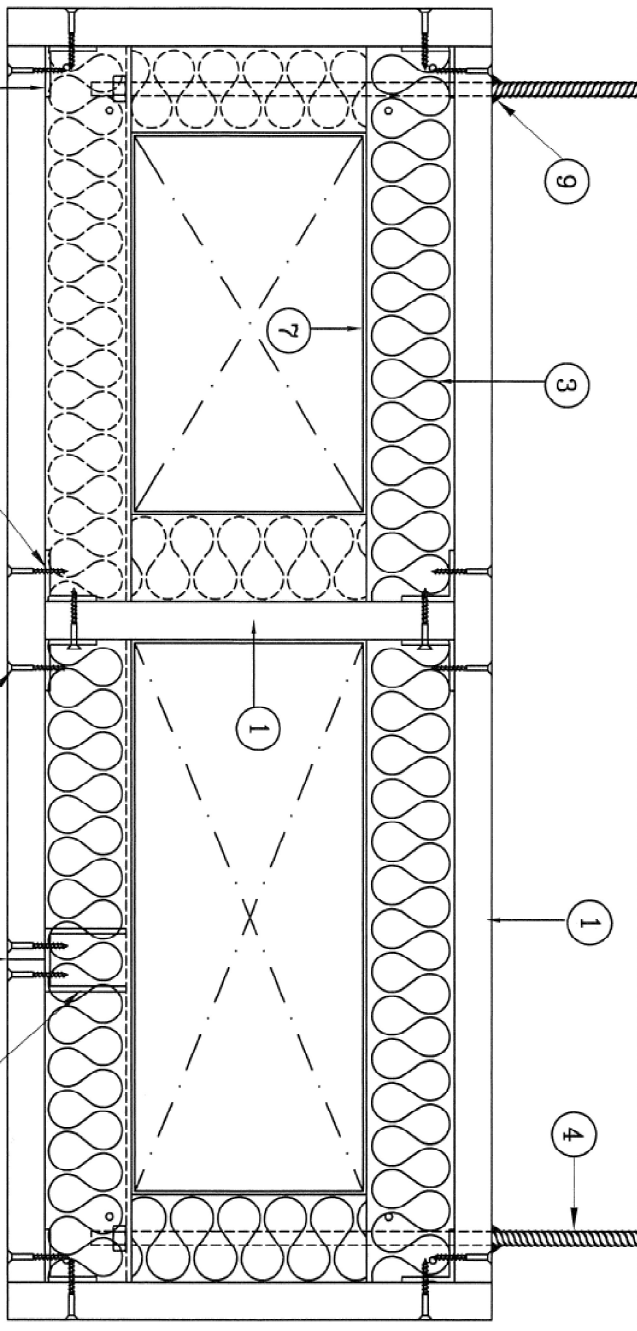
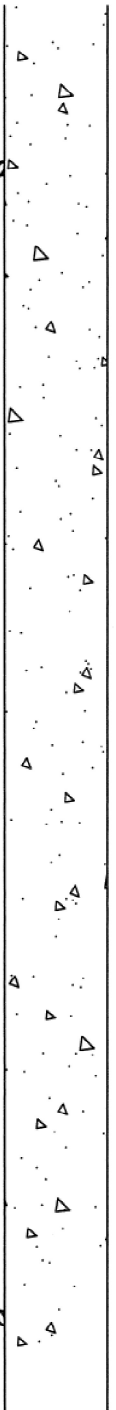
Subject/Project:
TYPICAL DRAWING

Drawn by: BK
Checked by: [Signature]
Date: 21-01-19
No Of Sheet: 10
Scale: NTS
Dimension: mm

Standard Drawing
 Project Drawing

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50mm x 60kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint cavity fill with mineral wool: (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4-hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

Drawing no.: PH4160-24/SD/8_10
Model no.: PH.41.60, PH.41.12, PH.41.24
Test Standard: BS 476: Part 24
Coc no.: 11A0030 / 80553 0401
Amendment no.: 5



MULTIPLE DUCT CLADDING

NOTES:

- 1) Unsupported board area shall not exceed 1.5m²
- 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

This information is intended for approximate representations only. The user must determine the suitability of the design and requirements before undertaking or constructing any works relating to Promat's drawing details. Promat accepts no liability for unaccompanied drawings and representations

Installer:.....
 Name: M:.....
 Sign/Date: ISP Ref:

Project:.....
 Location:.....

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints: a) PROMASEAL acrylic fire sealant / OR b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 5N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-sqoller 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1 & 2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

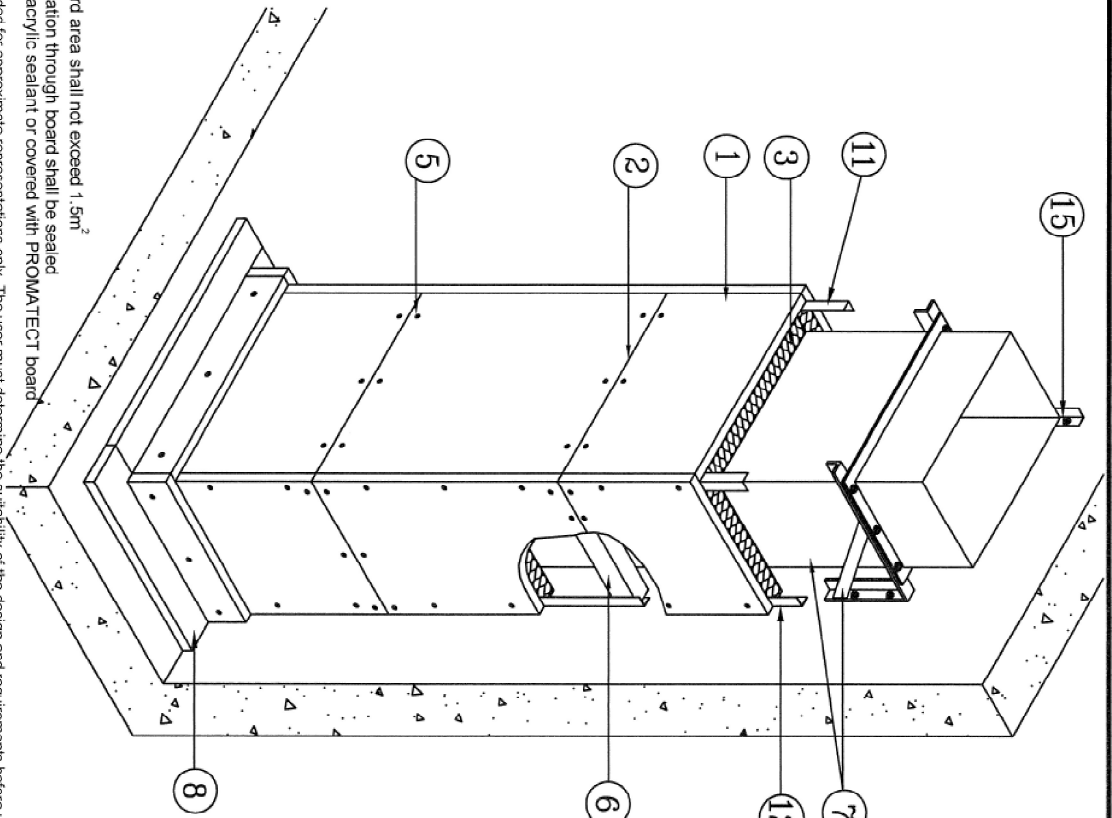


PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM (MEET IMPACT RESISTANCE BS5234: PT 2 & ISO TR 1896 REQUIREMENT)

Subject/Project: **TYPICAL DRAWING**

Drawn by: BK	Checked by: [Signature]	Date: 21-01-19	No Of Sheet: 10	Scale: NTS	Dimension: mm
<input checked="" type="checkbox"/> Standard Drawing <input type="checkbox"/> Project Drawing			Test Standard: BS 476: Part 24 Model no.: PH.4.1.60, PH.4.1.12, PH.4.1.24 C&C no.: 11A0030 / 80553 0401 Amendment no.: 5		

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NOTES

1) Unsupported board area shall not exceed 1.5m²

2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMATECT board

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Title:
PROMATECT-H 1, 2& 4-HOURS FIRE RATED STEEL DUCT CLADDING SYSTEM
(MEET IMPACT RESISTANCE BS5254: PT 2 & ISO TR 1896 REQUIREMENT)

Subject/Project:
TYPICAL DRAWING

Drawn by: BK
Checked by: [Signature]
Date: 21-01-19
No. Of Sheet: 10
Scale: NTS
Dimension: mm

Standard Drawing
 Project Drawing

Drawing no.: PH4160-24/SD/10_10
Model no.: PH.41.60, PH.41.12, PH.41.24
Test Standard: BS 476: Part 24
CoC no.: 11A0030 / 80553 0401
Amendment no.: 5

No.	Technical Specifications	Check
1	PROMATECT-H Board: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Treatment at board joints: a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMATECT-H cover strip 100mm x 9mm at all butt joints	<input type="checkbox"/> <input type="checkbox"/>
3	Mineral wool: i) 1-hr: 50kg/m ³ ii) 2-hr: 50mm x 100kg/m ³ iii) 4-hr: 100mm x 100kg/m ³	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Steel threaded rod preferred spacing at 1.22m intervals, and permissible tensile stress not exceeding: i) 1hr: ≤ 15N/mm ² ii) 2hr: ≤ 10N/mm ² iii) 4hr: ≤ 6N/mm ²	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	M4 self-tapping screw at 200mm centres	<input type="checkbox"/>
6	Steel channel coincides with boards' butt-joint cavity fill with mineral wool: (refer note 1) i) 1-hr & 2-hr: C-50 x 50 x 50 x 0.6mm ii) 4-hr: C-100 x 50 x 100 x 0.6mm	<input type="checkbox"/> <input type="checkbox"/>
7	Sheet metal duct and support bracket	<input type="checkbox"/>
8	PROMATECT L-collar 100mm width at wall or floor penetration: i) 1-hr: 12mm thick ii) 2-hr: 15mm thick iii) 4-hr: 25mm thick	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (Refer note 2)	<input type="checkbox"/>
10	Intermediate steel channel i) 1&2 hr: U-50x50x50x0.6mm (refer note 1) ii) 4 hr: U-100x50x100x0.6mm	<input type="checkbox"/> <input type="checkbox"/>
11	Continuous L-angle 30 x 30 x 0.6mm	<input type="checkbox"/>
12	Continuous L-angle 40 x 40 x 1.5mm thk for fixing board to substrate.	<input type="checkbox"/>
13	Steel threaded rod spaced at 1.5m c/w large nut and washer	<input type="checkbox"/>
14	Angle stiffener according to DW/144 spec	<input type="checkbox"/>
15	M8 all steel anchor bolt at 600mm centres	<input type="checkbox"/>

Project:

Location:

Installer:

Name: M:

Sign/Date: ISP Ref: