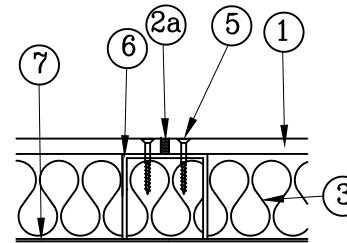


OPTION 1



OPTION 2

| No. | Technical Specifications | Check |
|-----|---|--------------------------|
| ① | PROMINA 60 12mm thick | <input type="checkbox"/> |
| ② | Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMINA 60 cover strip 100mm x 9mm at all butt joints | <input type="checkbox"/> |
| ③ | Rock wool slab 50mm x 100kg/m ³ density | <input type="checkbox"/> |
| ④ | Steel hanger rod at 1.2m intervals and permissible tensile stress not exceeding 10N/mm ² | <input type="checkbox"/> |
| ⑤ | M4 self-tapping screw at 200mm centres | <input type="checkbox"/> |
| ⑥ | Steel channel collar U50x50x0.6mm fill with rock wool and coincides with boards' butt-joints | <input type="checkbox"/> |
| ⑦ | Sheet metal duct and suitable steel support bracket (refer note 3) | <input type="checkbox"/> |
| ⑧ | PROMINA 60 L-collar 100mm width x12mm thick at wall or floor penetration | <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 g.s. channel U50x50x0.6mm where necessary (refer note 1) | <input type="checkbox"/> |
| ⑪ | Continuous g.s. L-angle 50 x 50 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 | All steel anchor bolt at 400mm intervals | <input type="checkbox"/> |
| ⑭ | Additional steel reinforcement of oversized steel duct when necessary (refer note 3) | <input type="checkbox"/> |

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 PROMINA 60 board.
- 3) Steel duct according to DW144 specification (by others).
- 4) Any undulating gaps between the interfacing of board and masonry substrate shall be sealed with PROMASEAL acrylic sealant.

Project:.....

Location:.....

Installer:.....

Name: M:.....

Sign/Date:ISP Ref.:

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PROMAT BUILDING SYSTEM
10 Science Park Road
#03-14 The Alpha
Singapore Science Park II
Singapore 117684
Tel : 65-6776 7635
Fax : 65-6776 7624

Title: **PROMINA 60 TWO HOURS FIRE RATED DUCT CLADDING TO STEEL DUCT SYSTEM**

Subject/Project: **TYPICAL DRAWING**

Drawn by:
BK

Checked by:
[Signature]

Date:
01-06-20

No Of Sheets:
1 of 9

Scale:
NTS

Dimension:
mm

Standard Drawing
 Project Drawing

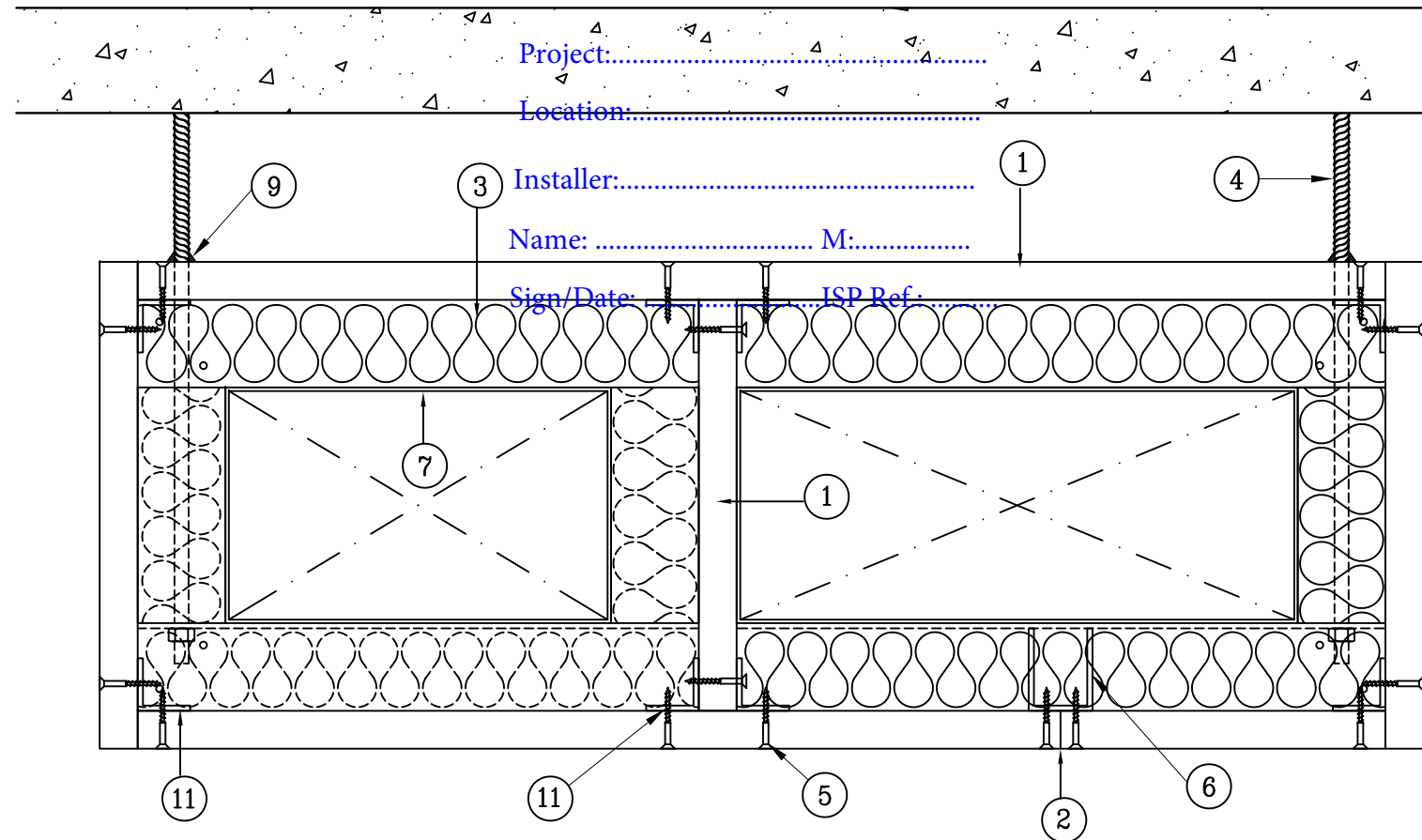
Drawing no.: PMF4112/SD/1_9

Model no.: PMF.41.12

Test Standard:
BS 476: Part 24

CoC no.:
18A0150

Amendment no.:
0



| No. | Technical Specifications | Check |
|-----|---|--|
| ① | PROMINA 60 12mm thick | <input type="checkbox"/> |
| ② | Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMINA 60 cover strip 100mm x 9mm at all butt joints | <input type="checkbox"/> <input type="checkbox"/> |
| ③ | Rock wool slab 50mm x 100kg/m ³ density | <input type="checkbox"/> |
| ④ | Steel hanger rod at 1.2m intervals and permissible tensile stress not exceeding 10N/mm ² | <input type="checkbox"/> |
| ⑤ | M4 self-tapping screw at 200mm centres | <input type="checkbox"/> |
| ⑥ | Steel channel collar U50x50x0.6mm fill with rock wool and coincides with boards' butt-joints | <input type="checkbox"/> |
| ⑦ | Sheet metal duct and suitable steel support bracket (refer note 3) | <input type="checkbox"/> |
| ⑧ | PROMINA 60 L-collar 100mm width x12mm thick at wall or floor penetration | <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 g.s. channel U50x50x0.6mm where necessary (refer note 1) | <input type="checkbox"/> |
| ⑪ | Continuous g.s. L-angle 50 x 50 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 | All steel anchor bolt at 400mm intervals | <input type="checkbox"/> |
| ⑭ | Additional steel reinforcement of oversized steel duct when necessary (refer note 3) | <input type="checkbox"/> |

NOTES:

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- 2) Hanger rod penetration through board shall be sealed with PROMASEAL acrylic sealant or covered with PROMINA 60 board.
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- 4) Any undulating gaps between the interfacing of board and masonry substrate shall be sealed with PROMASEAL acrylic sealant.

MULTIPLE DUCT CLADDING

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PROMAT BUILDING SYSTEM
 10 Science Park Road
 #03-14 The Alpha
 Singapore Science Park II
 Singapore 117684
 Tel : 65-6776 7635
 Fax : 65-6776 7624

Title: **PROMINA 60 TWO HOURS FIRE RATED DUCT CLADDING TO STEEL DUCT SYSTEM**

Drawing no.: PMF4112/SD/8_9

Model no.: PMF.41.12

Subject/Project: **TYPICAL DRAWING**

Standard Drawing
 Project Drawing

Test Standard:
 BS 476: Part 24

CoC no.:
 18A0150

Drawn by: BK

Checked by: *[Signature]*

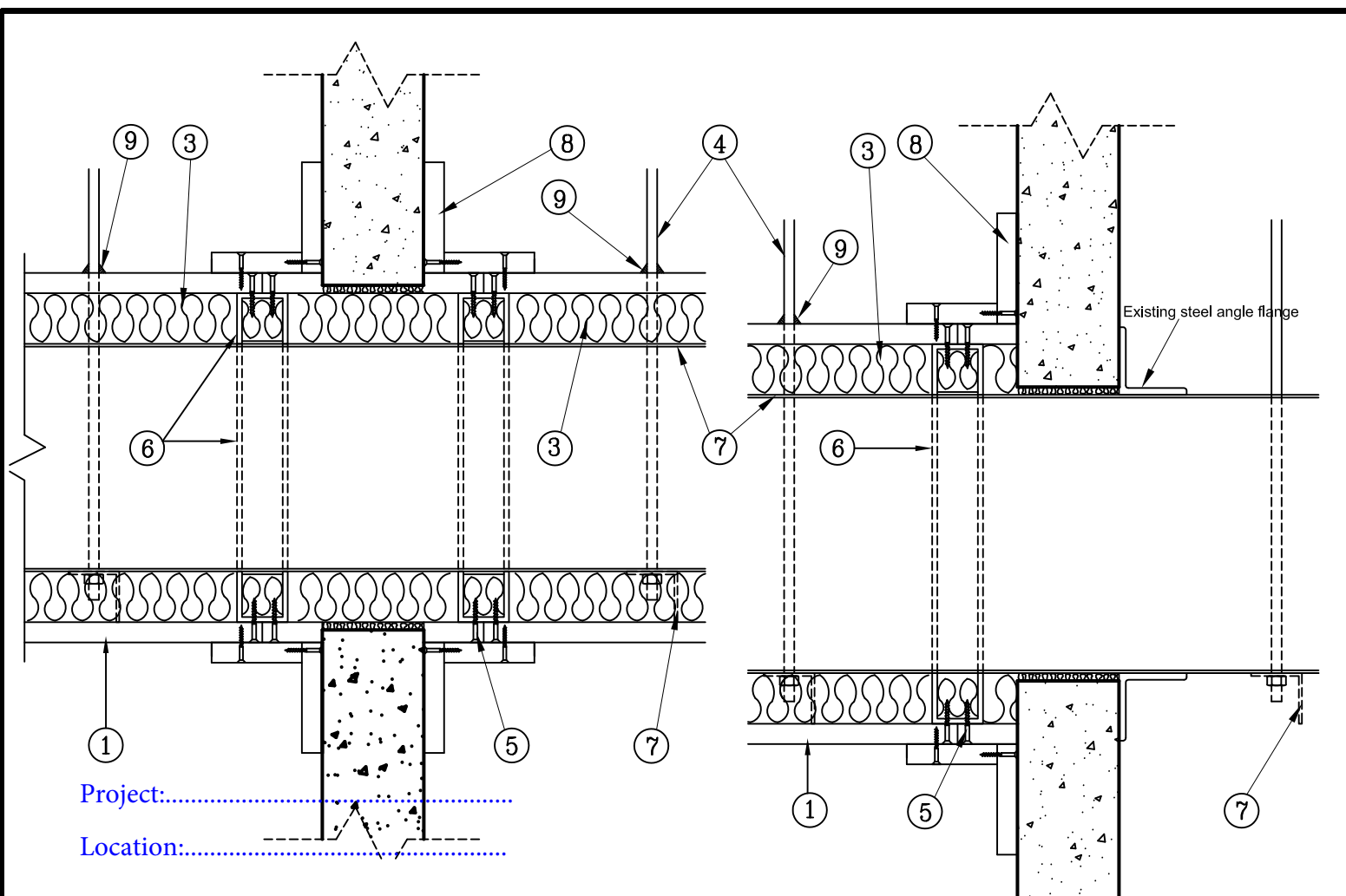
Date: 01-06-20

No Of Sheets:
 8 of 9

Scale: NTS

Dimension: mm

Amendment no.:
 0



| No. | Technical Specifications | Check |
|-----|---|--------------------------|
| ① | PROMINA 60 12mm thick | <input type="checkbox"/> |
| ② | Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMINA 60 cover strip 100mm x 9mm at all butt joints | <input type="checkbox"/> |
| ③ | Rock wool slab 50mm x 100kg/m ³ density | <input type="checkbox"/> |
| ④ | Steel hanger rod at 1.2m intervals and permissible tensile stress not exceeding 10N/mm ² | <input type="checkbox"/> |
| ⑤ | M4 self-tapping screw at 200mm centres | <input type="checkbox"/> |
| ⑥ | Steel channel collar U50x50x0.6mm fill with rock wool and coincides with boards' butt-joints | <input type="checkbox"/> |
| ⑦ | Sheet metal duct and suitable steel support bracket (refer note 3) | <input type="checkbox"/> |
| ⑧ | PROMINA 60 L-collar 100mm width x12mm thick at wall or floor penetration | <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 g.s. channel U50x50x0.6mm where necessary (refer note 1) | <input type="checkbox"/> |
| ⑪ | Continuous g.s. L-angle 50 x 50 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"/> |
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 4) Any undulating gaps between the interfacing of board and masonry substrate shall be sealed with PROMASEAL acrylic sealant.

Project:.....

Location:.....

Installer:.....

Name: M:.....

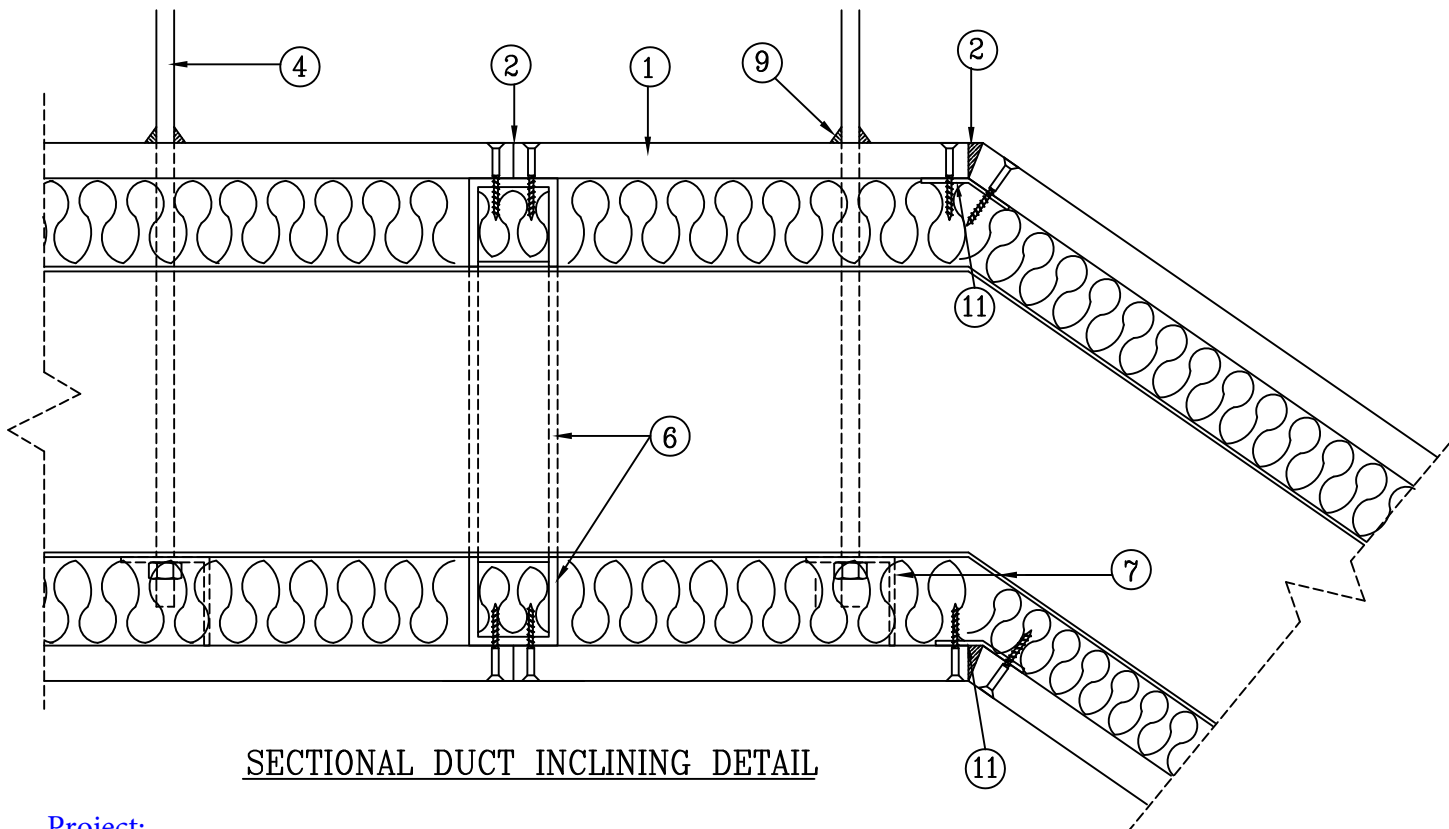
Sign/Date: ISP Ref:

WALL PENETRATION DETAIL

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| | | | | | | |
|----------------|---|--|--|--------------------------------|-----------------------------|-----------------------------------|
| | Title: PROMINA 60 TWO HOURS FIRE RATED DUCT CLADDING TO STEEL DUCT SYSTEM | | | | Drawing no.: PMF4112/SD/3_9 | |
| | Subject/Project: TYPICAL DRAWING | | | | Model no.: PMF.41.12 | |
| Drawn by: BK | | | | Checked by: <i>[Signature]</i> | | Test Standard: BS 476: Part 24 |
| Date: 01-06-20 | | | | No Of Sheets: 3 of 9 | | CoC no.: 18A0150 |
| Scale: NTS | | | | Dimension: mm | | Amendment no.: 0 |

PROMAT BUILDING SYSTEM
 10 Science Park Road
 #03-14 The Alpha
 Singapore Science Park II
 Singapore 117684
 Tel : 65-6776 7635
 Fax : 65-6776 7624



SECTIONAL DUCT INCLINING DETAIL

Project:.....

Location:.....

Installer:.....

Name: M:.....

Sign/Date:ISP Ref.:

| No. | Technical Specifications | Check |
|-----|---|--|
| ① | PROMINA 60 12mm thick | <input type="checkbox"/> |
| ② | Treatment at board joints : a) PROMASEAL acrylic fire sealant / <u>OR</u> b) PROMINA 60 cover strip 100mm x 9mm at all butt joints | <input type="checkbox"/> <input type="checkbox"/> |
| ③ | Rock wool slab 50mm x 100kg/m ³ density | <input type="checkbox"/> |
| ④ | Steel hanger rod at 1.2m intervals and permissible tensile stress not exceeding 10N/mm ² | <input type="checkbox"/> |
| ⑤ | M4 self-tapping screw at 200mm centres | <input type="checkbox"/> |
| ⑥ | Steel channel collar U50x50x0.6mm fill with rock wool and coincides with boards' butt-joints | <input type="checkbox"/> |
| ⑦ | Sheet metal duct and suitable steel support bracket (refer note 3) | <input type="checkbox"/> |
| ⑧ | PROMINA 60 L-collar 100mm width x12mm thick at wall or floor penetration | <input type="checkbox"/> |
| ⑨ | Steel hanger rod penetration gap shall be sealed with PROMASEAL acrylic fire sealant (refer note 2) | <input type="checkbox"/> |
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| ⑪ | Continuous g.s. L-angle 50 x 50 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"/> |
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| | | | | | | |
|---|---|-----------------|--|-------------------------|-----------------------------------|---------------------|
| | Title: PROMINA 60 TWO HOURS FIRE RATED DUCT CLADDING TO STEEL DUCT SYSTEM | | | | Drawing no.: PMF4112/SD/4_9 | |
| | Subject/Project: TYPICAL DRAWING | | | | Model no.: PMF.41.12 | |
| PROMAT BUILDING SYSTEM 10 Science Park Road #03-14 The Alpha Singapore Science Park II Singapore 117684 Tel : 65-6776 7635 Fax : 65-6776 7624 | Standard Drawing <input checked="" type="checkbox"/> | | Project Drawing <input type="checkbox"/> | | Test Standard: BS 476: Part 24 | |
| | Drawn by: BK | Checked by: | Date: 01-06-20 | No Of Sheets: 4 of 9 | Scale: NTS | CoC no.: 18A0150 |