PASSENGER ELEVATORS

DESIGN GUIDE

Ceiling Design
Signal Fixtures
Interior

Hall Design
Observation Cars
Materials and Colors
Mitsubishi Electric elevators, escalators and building management systems are always evolving, helping achieve our goal of being the No.1 brand in quality. In order to satisfy customers in all aspects of comfort, efficiency and safety while realizing a sustainable society, quality must be of the highest level in all products and business activities, while priority is place on consideration for the environment. As the times change, Mitsubishi Electric promises to utilize the collective strengths of its advanced and environmental technologies to offer its customers safe and reliable products while contributing to society.

Based on our policy, “Quality in Motion”, we provide elevators and escalators that will satisfy our customers with high levels of comfort, efficiency, ecology and safety.

We strive to be green in all of our business activities. We take every action to reduce environmental burden during each process of our elevators’ and escalators’ lifecycle.

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<th>Principle</th>
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<td>Comfort</td>
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<td>Efficiency</td>
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<td>Ecology</td>
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<td>Safety</td>
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L400 | Softly lit illuminated ceiling with a sparkling slitted frame

Car Design Example

- Ceiling (L400): Painted steel sheet [Y055: Dark gray]
- Lighting: Indirect lighting (LEDs)
- Walls: Pattern-printed steel sheet [CP121: Primary grain]
- Transom panel: Pattern-printed steel sheet [CP121: Primary grain]
- Doors: Pattern-printed steel sheet [CP121: Primary grain]
- Front return panels: SUS-HL
- Kickplate: SUS-HL
- Flooring: PR803: Gray
- Car operating panel: CBV1-C730
- Handrail: YH-59S

Actual colors may differ slightly from those shown. Please refer to page 14 for the meaning of SUS-HL.
**L410**  Contrast of light and shadows using sharp lines

**Car Design Example**

- **Ceiling (L410)**  Panel: Painted steel sheet [Y033: White] with slits
  - Lighting: Slit lighting (LEDs)
- **Walls**  SUS-M
- **Transom panel**  SUS-M
- **Doors**  SUS-M
- **Front return panels**  SUS-M
- **Kickplate**  SUS-HL
- **Flooring**  PR812: Dim-gray
- **Car operating panel**  CBV3-C730
- **Handrail**  YH-59M

**L200**  Twinkling lights through chandelier-like lighting panel

**Car Design Example**

- **Ceiling (L200)**  Panel: Painted steel sheet [Y033: White] with an acrylic lighting cover
  - Lighting: Central lighting and downlights (LEDs)
- **Walls**  SUS-HE (EPA-4)
- **Transom panel**  SUS-HE (EPA-4)
- **Doors**  SUS-HE (EPA-4)
- **Front return panels**  SUS-HL
- **Kickplate**  SUS-HL
- **Flooring**  PR810: Ocher
- **Car operating panel**  CBV1-C760
- **Handrail**  YH-59M

**Optional Ceiling Design L200s**

- **Panel:** Painted steel sheet [Y033: White]
- **Lighting:** Slit lighting (LEDs)
  - SUS-M
  - SUS-M
  - SUS-M
  - SUS-HL
  - PR812: Dim-gray
  - CBV3-C730
  - YH-59M

**Note:** Position of central lighting differs from images shown above when an emergency exit (the area shown in blue) is required.

Actual colors may differ slightly from those shown. Please refer to page 14 for the meaning of SUS-HL, SUS-HE and SUS-M.
L210  Sophisticated atmosphere created by downlights and shadows

Car Design Example

Ceiling (L210) Panel: Painted steel sheet [Y033: White]
Walls Pattern-printed steel sheet [CP111: Dark grain]
Transom panel Pattern-printed steel sheet [CP111: Dark grain]
Doors Pattern-printed steel sheet [CP111: Dark grain]
Front return panels SUS-HL
Kickplate SUS-HL
Flooring PR812: Dim-gray
Car operating panel CBV1-N730
Handrail YH-595

Optional Ceiling Design L210S
Panel: SUS-HL
Others: Same as L210.

L310  Beautifully arched panel with shaded gradation

Car Design Example

Ceiling (L310) Panels: [Center] Metal-like resin panel
                  [Sides] Milky white resin panels
Walls SUS-HL
Transom panel SUS-HL
Doors SUS-HL
Front return panels SUS-HL
Kickplate SUS-HL
Flooring PR803: Gray
Car operating panel CBV1-N730

Actual colors may differ slightly from those shown. Please refer to page 14 for the meaning of SUS-HL.
Car Design Example

**N300** Terraced design with illusion of increased ceiling height

- Ceiling (N300)  
  - Panel: Painted steel sheet [Y033: White]
  - Lighting: Central indirect lighting and downlights
- Walls  
  - Pattern-printed steel sheet [CP23: Minimal stripe]
- Transom panel  
  - SUS-HL
- Doors  
  - SUS-HL
- Front return panels  
  - SUS-HL
- Kickplate  
  - SUS-HL
- Flooring  
  - PR801: Cream beige
- Car operating panel  
  - CBV1-N710
- Handrail  
  - YH-S9S

Optional Ceiling Design **N300S**

Panel: Painted steel sheet [Y033: White]  
Lighting: Central indirect lighting and downlights
Pattern-printed steel sheet [CP23: Minimal stripe]
SUS-HL
SUS-HL
SUS-HL
SUS-HL
PR801: Cream beige
CBV1-N710
YH-S9S

Car Design Example

**N120** Gorgeous ceiling with lustrous translucent panels fused using refined geometric patterns

- Ceiling (N120)  
  - Panels: [Center] Milky white resin panel  
  - [Sides] Resin panels with mirrored surface
  - Lighting: Central lighting and downlights
- Walls  
  - SUS-HE (EPA-3)
- Transom panel  
  - SUS-HE (EPA-3)
- Doors  
  - SUS-HE (EPA-3)
- Front return panels  
  - SUS-M
- Kickplate  
  - SUS-HL
- Flooring  
  - PR801: Cream beige
- Car operating panel  
  - CBV5-N710
- Handrail  
  - YH-S9M

Actual colors may differ slightly from those shown. Please refer to page 14 for the meaning of SUS-HL, SUS-HE and SUS-M.
**N130** Light transmitted through exotic ceiling patterns

**Car Design Example**

- **Ceiling (N130)**: Panel: Milky white resin panels
- **Walls**: Colored (bronze) SUS-HE (EPA-2)
- **Transom panel**: Colored (bronze) SUS-HE (EPA-2)
- **Doors**: Colored (bronze) SUS-HE (EPA-2)
- **Front return panels**: SUS-HL
- **Kickplate**: Colored (bronze) SUS-HL
- **Flooring**: PR812: Dim-gray
- **Car operating panel**: CBV1-N710 (Faceplate: SUS-M)

**N140** Stylish ceiling accented with crystal-like blocks

**Car Design Example**

- **Ceiling (N140)**: Panels: [Center] Milky white resin panel, [Sides] Resin panels with mirrored surface and acrylic blocks
- **Lighting**: Full lighting
- **Walls**: Colored (gold) SUS-HE (EPA-1)
- **Transom panel**: SUS-M
- **Doors**: Colored (gold) SUS-HE (EPA-1)
- **Front return panels**: SUS-M
- **Kickplate**: Colored (gold) SUS-HL
- **Flooring**: PR810: Ocher
- **Car operating panel**: CBV1-D740 (Faceplate: SUS-M)
- **Handrail**: YH-59G

*Please refer to page 14 for the meaning of colored SUS-HL, colored SUS-HE and SUS-M.*
Simple and easy to coordinate with various car designs

Car Design Example-1

Ceiling (S00) — Panel: Painted steel sheet [Y033: White] with a milky white resin lighting cover
Lighting: Central lighting

Walls — SUS-HL
Transom panel — SUS-HL
Doors — SUS-HL
Front return panels — SUS-HL
Kickplate — Aluminum
Flooring — PR803: Gray
Car operating panel — CBV1-C760
Handrail — YH-59S

Note: Position of central lighting differs from images shown above when an emergency exit (the area shown in blue) is required.

Car Design Example-2

Same as Car Design Example-1

Walls — Painted steel sheet [Y004: Beige]
Transom panel — Painted steel sheet [Y004: Beige]
Doors — Painted steel sheet [Y004: Beige]
Front return panels — SUS-HL
Kickplate — Aluminum
Flooring — PR803: Gray
Car operating panel — CBV1-C760
Handrail — YH-59S

Car Design Example-3

Same as Car Design Example-1

Walls — Painted steel sheet [Y051: Pink]
Transom panel — Painted steel sheet [Y051: Pink]
Doors — Painted steel sheet [Y051: Pink]
Front return panels — SUS-HL
Kickplate — Aluminum
Flooring — PR803: Gray
Car operating panel — CBV1-C760
Handrail — YH-59S

Car Design Example-4

Same as Car Design Example-1

Walls — Painted steel sheet [Y116: Blue]
Transom panel — Painted steel sheet [Y116: Blue]
Doors — Painted steel sheet [Y116: Blue]
Front return panels — SUS-HL
Kickplate — Aluminum
Flooring — PR803: Gray
Car operating panel — CBV1-C760
Handrail — YH-59S

Car Finishes

Please refer to pages 29 and 30 for materials and colors.

Actual colors may differ slightly from those shown.
### Segment LED® Indicators

*Some letters of the alphabets are not available. Please consult our local agents for details.*

<table>
<thead>
<tr>
<th>Car operating panel</th>
<th>Hall position indicators and buttons</th>
</tr>
</thead>
<tbody>
<tr>
<td>For front return panel</td>
<td>With plastic case</td>
</tr>
</tbody>
</table>

#### Button line-up

<table>
<thead>
<tr>
<th>Illumination colors</th>
<th>Tactile</th>
<th>Flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow-orange</td>
<td>CBV1-PV1/HRV1</td>
<td>CBV1-PV1/HRV2</td>
</tr>
<tr>
<td>White</td>
<td>CBV3-PV1/HRV3</td>
<td>CBV4-PV4/HRV4</td>
</tr>
<tr>
<td>Blue</td>
<td>CBV5-PV5/HRV5</td>
<td>CBV6-PV5/HRV6</td>
</tr>
</tbody>
</table>

- Tactile or flat button (stainless-steel, non-directional hairline) is selectable from these types of illumination colors: yellow-orange, white or blue.

### Notes:

- *1: Dot LED indicators are also available (optional). Please consult our local agents for details.
- *2: A faceplate with stainless-steel, mirror-finish is also available (optional). Please consult our local agents for details.
- *3: Maximum number of floors: 22 floors.
- *4: The type in parentheses () shows an auxiliary car operating panel (optional). The design is slightly different from the above image.
- Please consult our local agents for further information such as installation location.

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Actual colors may differ slightly from those shown.
Segment LED Indicators

*Some letters of the alphabets are not available. Please consult our local agents for details.

Car operating panels

For front return panel

For side wall

Notes:

*1: The symbol is replaced with a number representing the button type and illumination color (e.g., CBV1, CBV2, etc.). Please refer to page 16 for button line-up.

*2: Dot LED indicators are also available (optional). Please consult our local agents for details.

*3: Faceplates with stainless-steel, mirror- finish are also available (optional). Please consult our local agents for details.

*4: The types in parentheses ( ) show an auxiliary car operating panels (optional). The design is slightly different from the above images. Please consult our local agents for further information such as installation location.

*5: The applicable button type is tactile buttons only.

*6: For single-car operation, these hall signal fixtures with tactile buttons conform to EN81-70.

Actual colors may differ slightly from those shown.
For front return panel

<table>
<thead>
<tr>
<th>CBV°-C780</th>
<th>CBV°-C730 (CBV°-C736)</th>
</tr>
</thead>
</table>

For swing type (5.7-inch)

<table>
<thead>
<tr>
<th>CBV°-C730 (CBV°-C736)</th>
</tr>
</thead>
</table>

For swing type (10.4-inch)

<table>
<thead>
<tr>
<th>CBV°-D730 (CBV°-D736)</th>
</tr>
</thead>
</table>

For swing type (15-inch)

<table>
<thead>
<tr>
<th>CBV°-D740 (CBV°-D750)</th>
</tr>
</thead>
</table>

For side wall

<table>
<thead>
<tr>
<th>CBV°-N730 (CBV°-N736)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CBV°-N732 (with alarm indication and buttons for EN81-70) (CBV°-N737)</th>
</tr>
</thead>
</table>

**Notes:**

1. The symbol ° is replaced with a number representing the button type and illumination color (e.g. CBV1, CBV2, etc.). Please refer to page 16 for button line-up.
2. Faceplates with stainless-steel, mirror finish are also available (optional). Please consult our local agents for details.
3. Maximum number of floors: 22 floors.
4. The types in parentheses [] show an auxiliary car operating panel (optional). The design is slightly different from the above images. Please consult our local agents for further information such as installation location.
5. The applicable button type is tactile buttons only.

Actual colors may differ slightly from those shown.
Hall position indicators and buttons

- PIV-C766N
- PIV-C776N

LCD position indicator (for hall)

- PIH-C117 (5.7-inch)

LCD information displays (for hall)

- PIH-C216 (10.4-inch)
- PIH-C226 (15-inch)

Notes:
1. The symbol ■ is replaced with a number representing the button type and illumination color. (e.g. PIV1, PIV2, etc.) Please refer to page 16 for button line-up.
2. Faceplates with stainless-steel, mirror-finish are also available (optional).
   Please consult our local agents for details.
3. For single-car operation, this hall signal fixture with tactile buttons conform to EN81-70.
4. The types in parentheses ( ) show auxiliary car operating panels (optional).
   Please consult our local agents for further information such as installation location.

NPCIEZ-MR, NexWay-S Only

Car operating panels

- For front return panel
- For side wall

- CBH-C245 (CBH-C295)
  - CBVF-C258
    - Keypad type
    - Dot LED indicator only
    - Number: Flat button (Plastic)
    - Star: Tactile button (Stainless-steel matte)
  - CBVF-N228
    - Keypad type
    - CBVF-N229S (with alarm indication and buttons for EN81-70)
    - CBVF-N229L (with alarm indication and buttons for EN81-70)

Flat button (Plastic)
Number: Flat button (Stainless-steel matte)
Star: Tactile button (Stainless-steel matte)

Actual colors may differ slightly from those shown.
Hall Signal Fixtures

Hall lanterns

- HLV-A21S
- HLV-A31S
- HLV-E65 Ornament: Gold
- HLV-E66 Ornament: Silver
- HLV-E71
- HLH-A31S

Hall buttons

- HLV-A16S
- HLH-A16S

No-entry indicators for EN81-73

- SN-C10
- HBV-A1010N
- HBV-A1010B
- HBV-C710N

Cross-section of boxless fixtures

These hall signal fixtures can be easily mounted on the wall surface without having to cut into the wall to embed the back box.

Notes:

*1 The symbol ˙ is replaced with a number representing the button type and illumination color (e.g. HBV, HBV, etc.).

*2 A faceplate with stainless-steel finish is also available (optional). Please consult our local agents for details.

*3 These hall signal fixtures with tactile buttons are applicable to EN81-70 compliant elevators.

Interior

Mirrors

- YZ-52A Half-size
- YZ-53A 2-mirror set
- YZ-55SN Full height

Handrails

- YH-59S (SUS-HL)
- YH-59M (SUS-M)
- YH-57G (SUS-M)
- YH-57S (SUS-HL)
Hall Design

Please refer to pages 29 and 30 for materials and colors.

### Entrance Finishes

<table>
<thead>
<tr>
<th>Materials/Finishes</th>
<th>Jamb</th>
<th>Transom panel</th>
<th>Doors</th>
<th>Sill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless-steel, hairline-finish (SUS-HL)</td>
<td>Standard</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>Painted steel sheet</td>
<td>Optional</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>Stainless-steel, hairline-finish with etched pattern (SUS-HE)</td>
<td>Optional</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>Stainless-steel, mirror-finish (SUS-M)</td>
<td>Optional</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>Glass windows ([1300(H)×200(W)/1300(H)×300(W)]</td>
<td>Optional</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>See-through doors</td>
<td>Standard</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td>Extruded hard aluminum</td>
<td>Optional</td>
<td>Optional</td>
<td>Standard</td>
<td></td>
</tr>
</tbody>
</table>

Actual colors may differ slightly from those shown.

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Jamb  | SUS-HL  
Transom panel  | SUS-HL  
Doors  | See-through doors  
Hall lantern  | HLY-A315  
Hall button  | HBV1-C710N

E-312  | Splayed Jamb with Transom Panel  
E-212  | Square Jamb with Transom Panel

Jamb  | SUS-HL  
Transom panel  | SUS-HL  
Doors  | SUS-HL  
Hall position indicator  | PID-D417  
Hall button  | HBV1-C710N

E-312  | Splayed Jamb with Transom Panel  
E-212  | Square Jamb with Transom Panel

Jamb  | SUS-HL  
Doors  | Painted steel sheet (Y014: Red-violet)  
Hall position indicator  | PIH-D417  
Hall button  | HBV1-C710N

E-302  | Splayed Jamb  
E-202  | Square Jamb

Jamb  | SUS-HL  
Doors  | SUS-HL  
Hall position indicator and button  | PVI-A1010N

E-102  | Narrow Jamb  
Standard

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Boxless  

Hall Design

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Ceiling Design  

Signal Fixtures  

Interior  

Hall Design  

Observation Cars
Natural light gives the car a spacious atmosphere

Glass Arrangements

- NY-30A: Rear & both sides
- NY-30B: Rear
- NY-30C: Both sides
- NY-30D: Rear & one side
- NY-30E: Rear & one side

Ceiling: L310 Full lighting (LEDs)
Lighting: Full lighting (LEDs)
Mullions (interior): SUS-HL
Mullions (exterior): Painted finish (N5.5: gray)
Windows: Transparent flat glass
Glass frames: Aluminum
Transom panel: SUS-HL
Doors: SUS-HL with glass window
Front return panel: SUS-HL
Kickplate: SUS-HL
Flooring: PR812: Dim-gray
Car operating panel: CBV1-N710
Handrail: SUS-HL (YH-555)

Observation Cars

ELENESSA Version3 Only

Actual colors may differ slightly from those shown.
### [Car] Walls, doors and transom panel

- Colored stainless-steel, hairline-finish
  - Gold
  - Bronze

- Etching patterns (gold or bronze)
  - EPA-1
  - EPA-2
  - EPA-3

- Pattern-printed steel sheet
  - CP23 Minimal stripe
  - CP101 Silver
  - CP111 Dark grain
  - CP121 Primary grain
  - CP141 Bright slate

- Painted steel sheet
  - [L400, L410, L200, L210, N300, S500 only]

- Etching patterns (stainless-steel)
  - EPA-1
  - EPA-2
  - EPA-3
  - EPA-4

- Painted finish
  - Y033 White
  - Y055 Dark gray
  - Y073 Light beige

- Flooring
  - Durable vinyl tiles
    - PR801 Cream beige
    - PR803 Gray
    - PR810 Ocher
    - PR812 Dim-gray

### Ceiling

- Painted steel sheet
  - [L400, L410, L200, L210, N300, S500 only]

- Etching patterns (stainless-steel)
  - EPA-1
  - EPA-2
  - EPA-3
  - EPA-4

- Painted finish
  - Y033 White

### [Car] Walls, doors and transom panel

- Colored stainless-steel, hairline-finish
  - Gold
  - Bronze

- Etching patterns (gold or bronze)
  - EPA-1
  - EPA-2
  - EPA-3

- Pattern-printed steel sheet
  - CP23 Minimal stripe
  - CP101 Silver
  - CP111 Dark grain
  - CP121 Primary grain
  - CP141 Bright slate

- Painted steel sheet
  - [L400, L410, L200, L210, N300, S500 only]

- Etching patterns (stainless-steel)
  - EPA-1
  - EPA-2
  - EPA-3
  - EPA-4

- Painted finish
  - Y033 White

### [Hall] Doors, transom panel and jamb

- Stainless-steel
  - Hairline-finish
  - Mirror-finish (Not applicable to the hall transom panel and jamb)

- Etching patterns (stainless-steel)
  - EPA-1
  - EPA-2
  - EPA-3
  - EPA-4

- Painted finish
  - Y02 Dark brown
  - Y004 Beige
  - Y006 Green
  - Y014 Red-violet
  - Y016 Light brown
  - Y033 White

- Durable vinyl tiles
  - PR801 Cream beige
  - PR803 Gray
  - PR810 Ocher
  - PR812 Dim-gray

- Etching patterns (stainless-steel)
  - EP-B-009

- Painted finish
  - Y002 Pink
  - Y004 Pale yellow
  - Y006 Dark gray
  - Y017 Neutral beige
  - Y116 Blue

- Actual colors may differ slightly from those shown.

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