



Engineering Form
Questionnaire: HALFEN Handrail Connection

[1/3]

Please complete the form below and send to engineering@halfenusa.com or your local sales or technical representative.
Please visit www.halfenusa.com to find sales or technical representative responsible for your state.
Please provide any additional information in the comments section pertinent to the design of the handrails not addressed in this form as well as any architectural and structural drawings, connection details, etc.

Project Information (Note: *mandatory information)

*Project Name: _____ *City, State, ZIP: _____
*Project Address: _____
Building type: _____

Contact Information (Note: *mandatory information)

*Company: _____ *Phone: _____
*Contact Person: _____ *Business type: _____
Email: _____

Comments:

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applies also to copying in extracts.

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HALFEN USA Inc.

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NOTES
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[2/3]

Design Model:

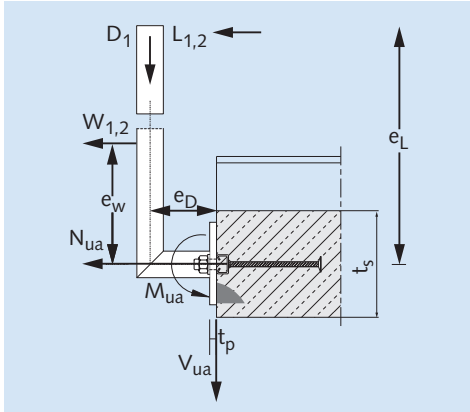


Figure 1: Design Load Information

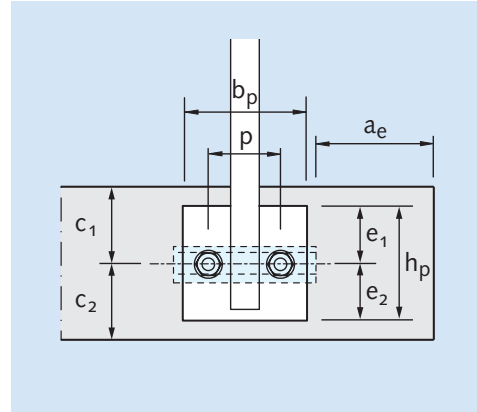


Figure 2: Connection Geometry Information

Material:

Concrete Strength, (f'_c): _____ [psi]
 Slab Thickness, (t_s): _____ [in]
 Concrete Weight: *Normal Weight* *Light Weight*

Reinforcement (see Figure 3): Edge Reinforcement Stirrups
 Reinforcement Diameter (e.g. #4): _____
 Reinforcement Spacing (s): _____ [in]

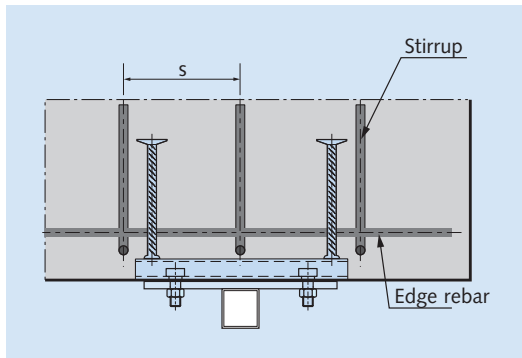


Figure 3: Reinforcement Information

Geometry (see figure 2):

e_1 : _____ [in] C_2 : _____ [in] h_p : _____ [in]
 e_2 : _____ [in] e_1 : _____ [in]
 a_e : _____ [in] e_2 : _____ [in]
 Plate Thickness (t_p): _____ [in] b_p : _____ [in]
 C_1 : _____ [in] p : _____ [in]

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[3/3]

Design Loads

Note: all loads will be factored using LRFD unless otherwise noted.

Loads Factored: yes no

Load Combination: LRFD ASD n/a

N_{ua} : _____ [kip]

V_{ua} : _____ [kip]

M_{ua} : _____ [kip-in]

If reactions have not been calculated the following information is required:

e_L : _____ [in]

e_D : _____ [in]

e_w : _____ [in]

D_1 (Dead load): _____ [lbf/ft]

W_1 (Wind Load Suction): _____ [psf]

W_2 (Wind Load Pressure): _____ [psf]

L_1 (Concentrated Live Load): _____ [lbf]

L_2 (Uniform Live Load): _____ [lbf/ft]

Post Height: _____ [in]

Post Center to Center Spacing: _____ [in]

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