

## PART 1 - GENERAL

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| <u>1.1 RELATED SECTIONS</u> | .1 | Section 31 61 13 - Pile Foundation, General Requirements.  |
|                             | .2 | Section 31 63 19 - Bored and Socketed Piles.   |
|                             | .3 | Section 05 50 00 - Metal Fabrications.   |
| <u>1.2 DESIGN</u>           | .1 | Design Requirements: design templates to safely withstand following loads: <ul style="list-style-type: none"><li>.1 Gravity loads to which template are subjected.</li><li>.2 Lateral loads to firmly hold pile in position when driving.</li><li>.3 Environmental loadings.</li></ul> |
| <u>1.3 SUBMITTALS</u>       | .1 | Provide submittals in accordance with Section 01 33 00 - Submittal Procedures. All pile driving templates to bear the stamp of a professional engineer (licensed by PEG-NL).   |
|                             | .2 | Product Data: submit manufacturer's printed product literature, specifications and datasheet. <ul style="list-style-type: none"><li>.1 Include product characteristics, Performance criteria, and limitations.</li></ul>   |
|                             | .3 | Submit shop drawings and indicate following items: <ul style="list-style-type: none"><li>.1 Material.</li><li>.2 Anchorage, field control and alignment methods.</li><li>.3 Design parameters.</li><li>.4 Tolerance for driving pile.</li><li>.5 Removable members.</li></ul>          |
| <u>1.4 FABRICATION</u>      | .1 | Fabricate structural steel for templates: to CAN/CSA-S16 and approved shop drawings.   |
|                             | .2 | Welding: to CSA W59.   |

- .3 Use welding companies qualified under CSA W47.1.

#### 1.5 TEMPLATE

- .1 Position and hold template in location to receive piles. Ensure pile positions are within tolerances specified.
- .2 Secure templates to vertical piles in accordance with shop drawings before batter piles are placed.
- .3 Avoid damage to piling when removing templates. When instructed by Departmental Representative, remove templates from Project site.
- .4 Protect templates from damage. Repair damage to templates, formwork or concrete arising from operations at no extra cost.

#### 1.6 MEASUREMENT FOR PAYMENT

- .1 No separate payment will be made for pile driving template and is considered to be included in cost for pile installation.