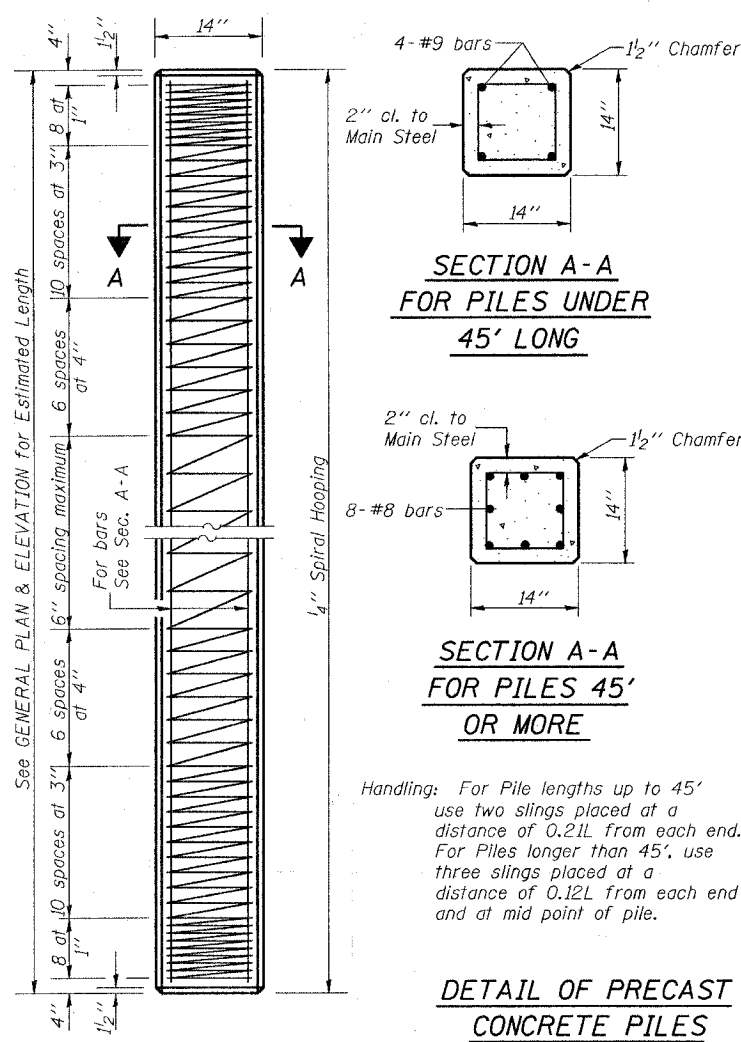


Reinforcement cage shall be omitted when ~~Class ST~~ Concrete Encasement is provided.

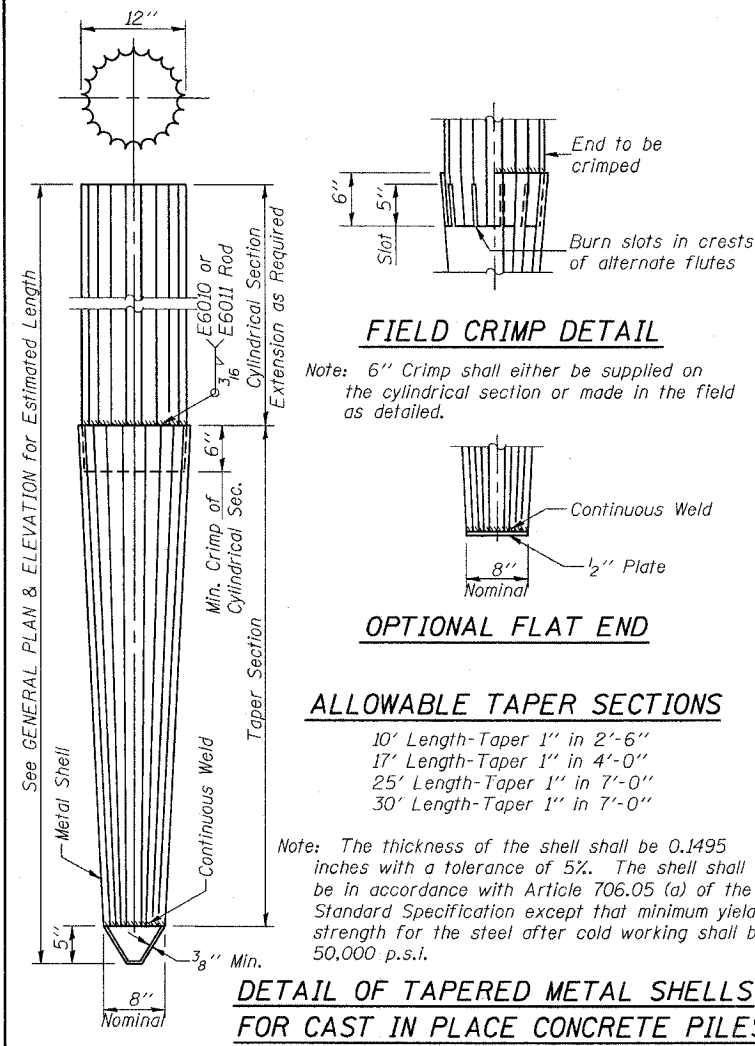
95477

The cost of Reinforcement is incidental to the Cost of Furnishing Piles.



Handling: For Pile lengths up to 45' use two slings placed at a distance of 0.2L from each end. For Piles longer than 45', use three slings placed at a distance of 0.12L from each end and at mid point of pile.

DETAIL OF PRECAST CONCRETE PILES



FIELD CRIMP DETAIL

Note: 6" Crimp shall either be supplied on the cylindrical section or made in the field as detailed.

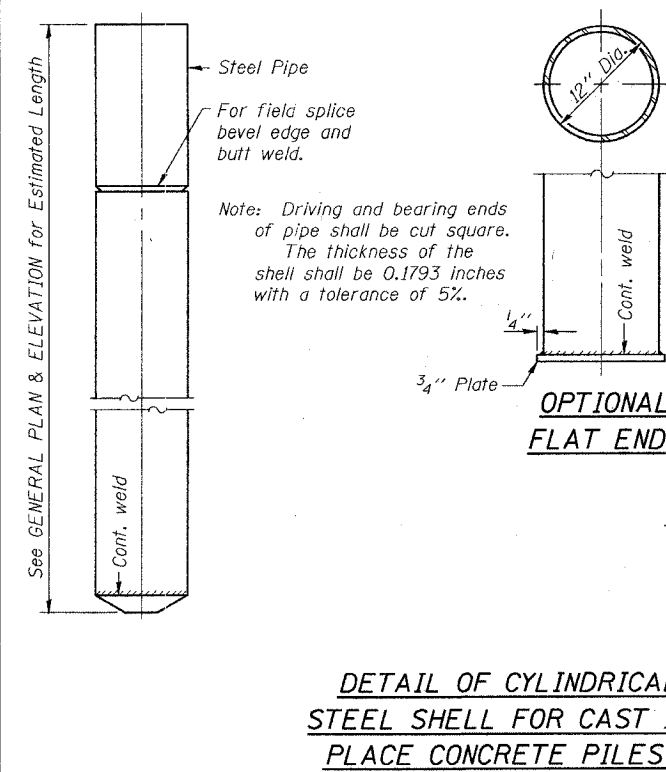
OPTIONAL FLAT END

ALLOWABLE TAPER SECTIONS

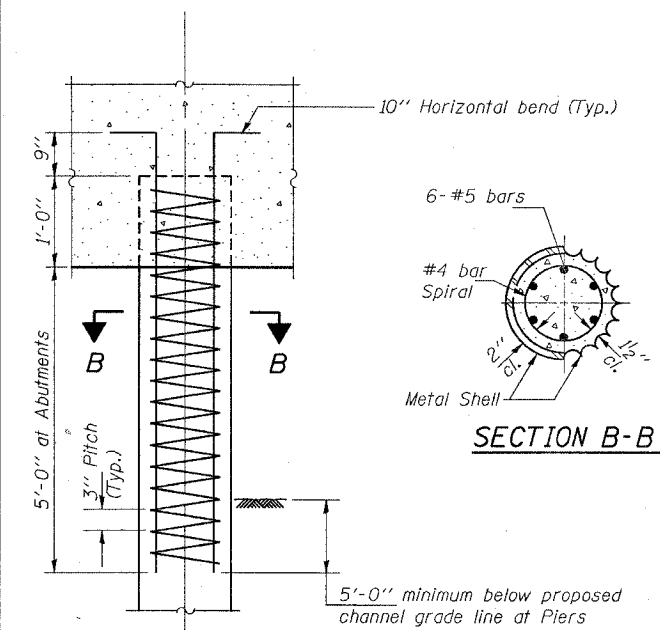
- 10' Length-Taper 1" in 2'-6"
- 17' Length-Taper 1" in 4'-0"
- 25' Length-Taper 1" in 7'-0"
- 30' Length-Taper 1" in 7'-0"

Note: The thickness of the shell shall be 0.1495 inches with a tolerance of 5%. The shell shall be in accordance with Article 706.05 (a) of the Standard Specification except that minimum yield strength for the steel after cold working shall be 50,000 p.s.i.

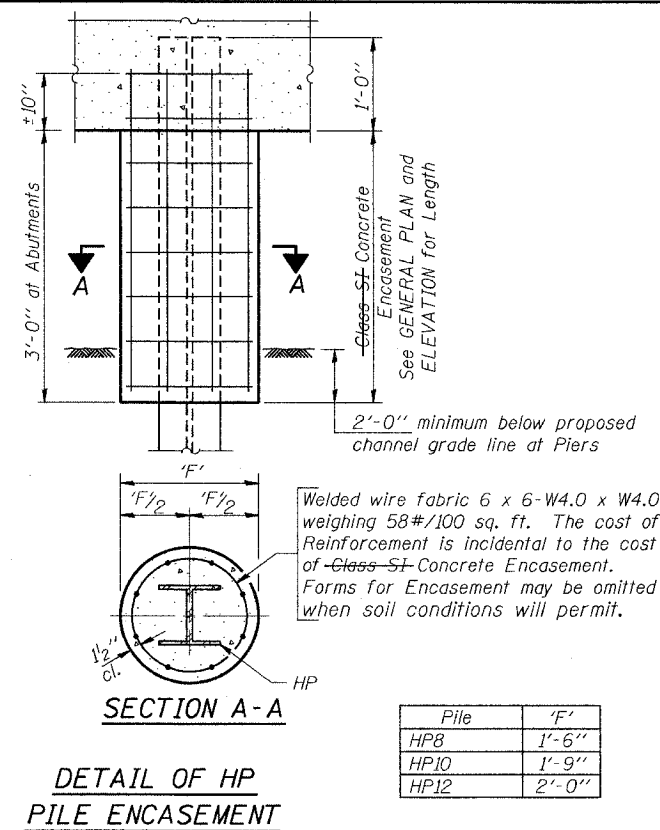
DETAIL OF TAPERED METAL SHELLS FOR CAST IN PLACE CONCRETE PILES



DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES

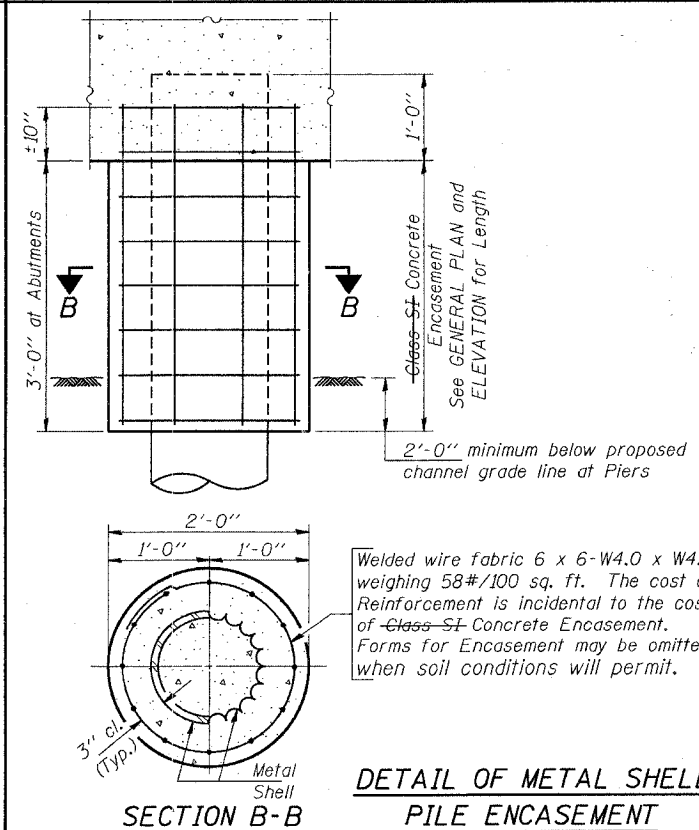


DETAIL OF REINFORCEMENT FOR METAL SHELLS



DETAIL OF HP PILE ENCASEMENT

Pile	'F'
HP8	1'-6"
HP10	1'-9"
HP12	2'-0"



DETAIL OF METAL SHELL PILE ENCASEMENT

QUANTITIES/LIN. FT. OF ENCASEMENT

(STEEL PILES)

Pile Size	Item	Quantity
HP8	<del>Class ST</del> Concrete Encasement	0.063 C.Y.
HP10	<del>Class ST</del> Concrete Encasement	0.086 C.Y.
HP12	<del>Class ST</del> Concrete Encasement	0.112 C.Y.

(METAL SHELL PILES)

Pile Size	Item	Quantity
12" Dia.	<del>Class ST</del> Concrete Encasement	0.087 C.Y.

Illinois Department of Transportation  
 PASSED November 1, 1995  
 Engineer of Bridge Design  
 APPROVED November 1, 1995  
 Engineer of Bridges and Structures

PILE DETAILS

STANDARD CX-1