

STEEL SHEET PILE WALL, CANTILEVER DATA TABLE										Table Date 07-01-12	
CONSTRUCTION INFORMATION							DESIGN PARAMETERS				
WALL LOCATION		MINIMUM * SECTION MODULUS (in ³ /ft)		MINIMUM REQUIRED MOMENT OF INERTIA (in ⁴ /ft)	MINIMUM WALL TIP ELEVATION (ft)	WALL TOP ELEV. (ft)	SOIL ELEVATION		WATER ELEVATION		DESIGN LIVE LOAD (psf)
		A-328 (ksi) fy=39 ksi	A-572 (ksi) fy=50 ksi				** FRONT OF WALL (ft)	BACK OF WALL (ft)	FRONT OF WALL (ft)	BACK OF WALL (ft)	
STATION (begin to end)	OFFSET (ft)										

* Minimum Section Modulus is based on Hot Rolled Sections. For Cold Rolled Sections, increase Minimum Section Modulus by 20%.
 ** Minimum of Design Ground Surface of Design Scour Depth.

NOTES:

1. Wall deflections will cause distress of adjacent pavement during construction. The Contractor shall maintain pavement conditions behind the sheet pile walls during construction. The cost of maintaining adjacent pavement shall be included in the cost of the Temporary Steel Sheet Pile Wall.
2. The Design Parameters indicated in this table were used in the sheet pile wall analysis. If the Contractor plans operations, which exceed the design parameters shown above, the Contractor's Specialty Engineer will redesign the wall to resist construction loads at a maximum deflection of _____ inches.
3. Environmental Classification is _____ [Delete note for Temporary Walls]
4. Concrete for Cast-In-Place Retaining Wall Cap shall be Class _____ (f'c = _____ psi) _____ (with/without) silica fume, metakaolin or ultrafine fly ash. [Delete note for Temporary Walls]
5. Coat exposed surface of steel sheet piles to 5 feet below the Front Of Wall Soil Elevation (**), with coal tar-epoxy in accordance with Specification Section 560. [Delete note for Temporary Walls]

STEEL SHEET PILE WALL WITH DEAD MAN ANCHORS DATA TABLE

Table Date 07-01-12

CONSTRUCTION INFORMATION								DESIGN PARAMETERS				
WALL LOCATION		ANCHORS		SHEET PILES		MINIMUM WALL TIP ELEVATION (ft)	WALL TOP ELEV. (ft)	SOIL ELEVATION		WATER ELEVATION		FACTORED DESIGN SURCHARGE LOAD (psf)
		ANCHOR SPACING (ft)	ANCHOR BAR DIAMETER (in)	* MINIMUM PLASTIC SECTION MODULUS (in ³ /ft)				MINIMUM REQUIRED MOMENT OF INERTIA (in ⁴ /ft)	** FRONT OF WALL (ft)	BACK OF WALL (ft)	FRONT OF WALL (ft)	
STATION (begin to end)	OFFSET (ft)			A-328 (fy=39 ksi)	A-572 (fy=50 ksi)							

* Minimum Section Modulus is based on Hot Rolled Sections. For Cold Rolled Sections, increase Minimum Section Modulus by 20%.

** Minimum of Design Ground Surface or Design Scour Depth.

NOTES:

1. Wall deflections will cause distress of adjacent pavement during construction. The Contractor shall maintain pavement conditions behind the sheet pile walls during construction. The cost of maintaining adjacent pavement shall be included in the cost of the Temporary Steel Sheet Pile Wall.
2. The Design Parameters indicated in the table were used in the sheet pile wall analysis. If the Contractor plans operations which exceed the design parameters shown above, the Contractor's Engineer of Record will redesign the wall to resist construction loads at a maximum deflection of _____ inches.
3. Environmental Classification is _____ [Delete note for Temporary Walls]
4. Concrete for Cast-In-Place Retaining Wall Caps shall be Class _____ (f'c = _____ psi) _____ (with/without) silica fume, metakaolin or ultrafine fly ash. [Delete note for Temporary Walls]

STEEL SHEET PILE WALL WITH PRESTRESSED SOIL ANCHORS DATA TABLE

Table Date 07-01-12

CONSTRUCTION INFORMATION											DESIGN PARAMETERS					
WALL LOCATION		ANCHORS					* MINIMUM PLASTIC SECTION MODULUS (in ³ /ft)		MINIMUM REQUIRED MOMENT OF INERTIA (in ⁴ /ft)	MINIMUM WALL TIP ELEVATION (ft)	WALL TOP ELEV. (ft)	SOIL ELEVATION		WATER ELEVATION		FACTORED DESIGN SURCHARGE LOAD (psf)
		MAXIMUM ANCHOR SPACING (ft)	FACTORED ANCHOR LOAD (kips/ft)	SERVICE ANCHOR LOAD (kips/ft)	MINIMUM UNBONDED LENGTH (ft)	INSTALLATION ANGLE BELOW HORIZONTAL (degrees)	A-328 (fy=39 ksi)	A-572 (fy=50 ksi)				** FRONT OF WALL (ft)	BACK OF WALL (ft)	FRONT OF WALL (ft)	BACK OF WALL (ft)	
STATION (begin to end)	OFFSET (ft)															

* Minimum Section Modulus is based on Hot Rolled Sections. For Cold Rolled Sections, increase Minimum Section Modulus by 20%.
 ** Minimum of Design Ground Surface or Design Scour Depth.

NOTES:

1. Wall deflections will cause distress of adjacent pavement during construction. The Contractor shall maintain pavement conditions behind the sheet pile walls during construction. The cost of maintaining adjacent pavement shall be included in the cost of the Temporary Steel Sheet Pile Wall.
2. The Design Parameters indicated in the table were used in the sheet pile wall analysis. If the Contractor plans operations which exceed the design parameters shown above, the Contractor's Engineer of Record will redesign the wall to resist construction loads at a maximum deflection of _____ inches.
3. Factored Anchor Design Load = Factored Anchor Load (kips/ft) x Anchor Spacing (ft).
4. Environmental Classification is _____ [Delete note for Temporary Walls]
5. Concrete for Cast-In-Place Retaining Wall Caps shall be Class _____ (f'c = _____ psi) _____ (with/without) silica fume, metakaolin or ultrafine fly ash. [Delete note for Temporary Walls]