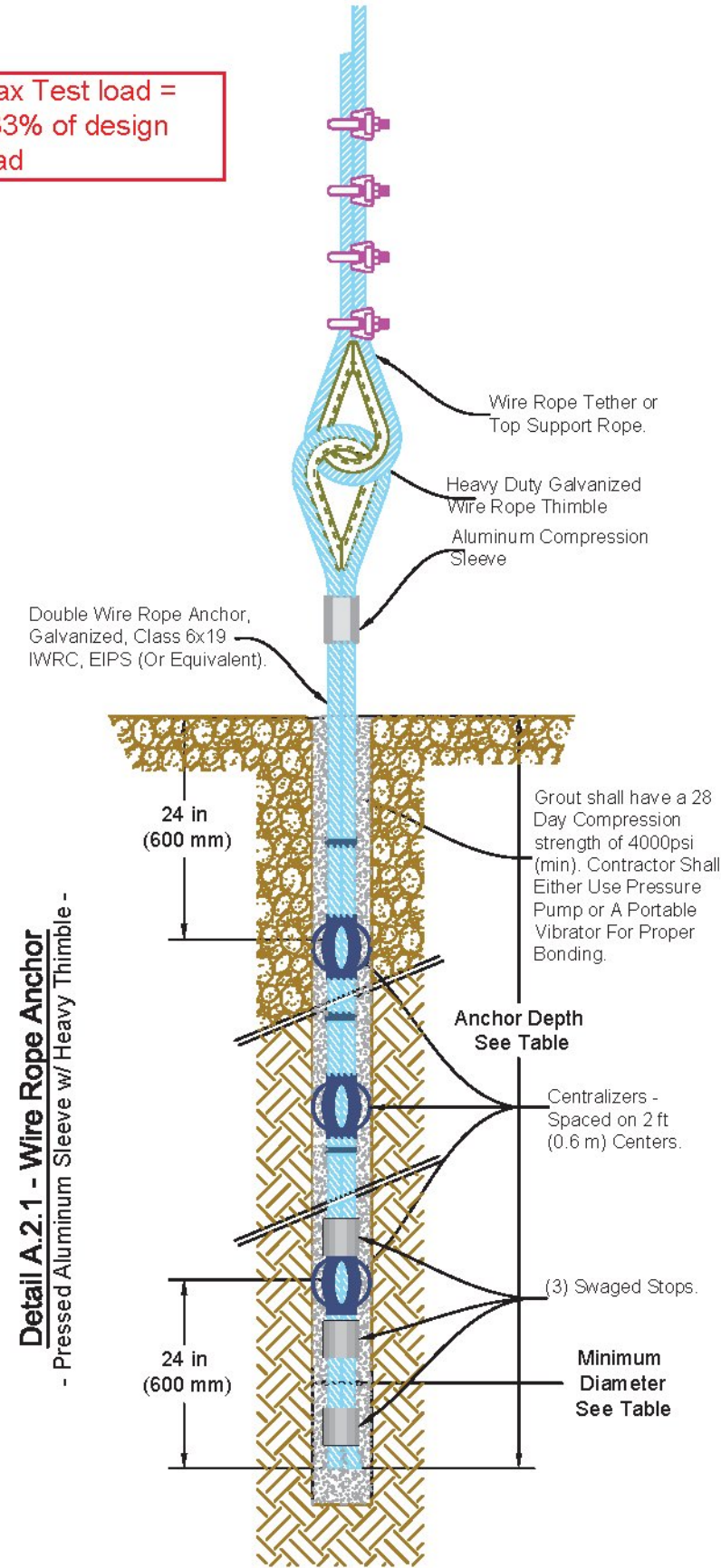


LATERAL WIRE ROPE ANCHOR DETAILS

Anchor Designation / Location	Maximum Anchor Spacing	Foundation Material	Suggested Drilled Hole Diameter	Suggested Embedment Depth	Minimum Pullout
Lateral Termination Wire Rope Anchor Rope Ø= 3/4 inch	200 ft (61 m)	Soil	5 in (126 mm)	16 ft (5 m)	38 Kips (160 kN)
Intermediate Wire Rope Anchor Rope Ø= 3/4 inch	16 ft (5 m)	Rock	3 in (75 mm)	16 ft (5 m)	20 Kips (88 kN)

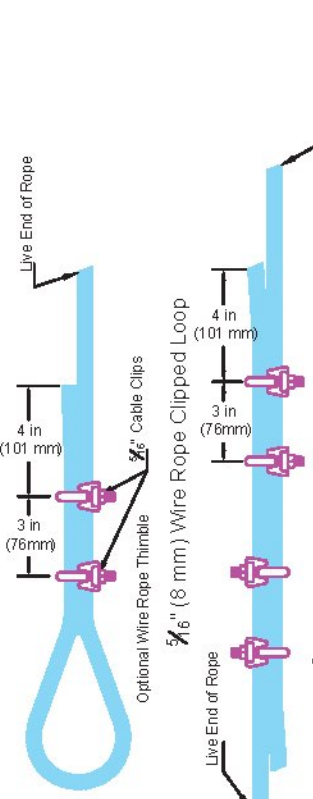


Max Test load = 133% of design load

Wire Rope Clip Specifications Table

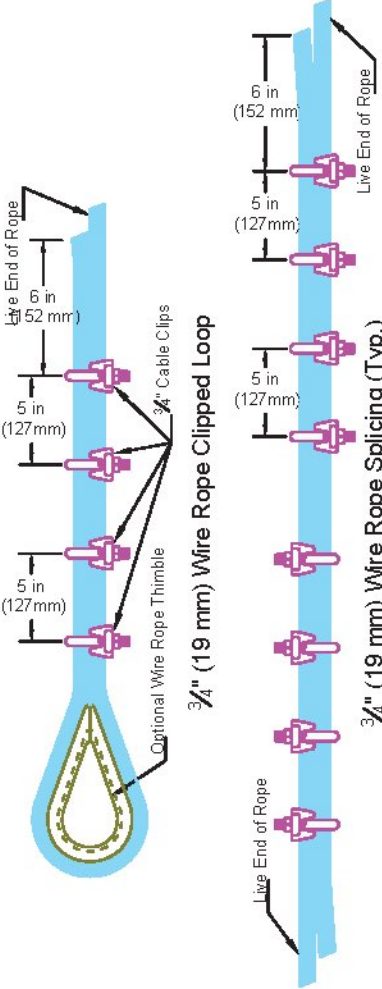
Clip Size Ø mm [in.]	Cable Ø mm [in.]	Number of Clips	Nominal Load Capacity mm [in.]	Nominal Load Capacity mm [in.]	Tightening Torque ft-lbf
8 [5/16]	8 [5/16]	2	275 [11]	76 [3.0]	40 [30]
20 [3/4]	20 [3/4]	4	660 [26]	127 [5.0]	175 [130]

*If a greater number of clips are used than shown in the table, the amount of loadback should be increased proportionally.
*The tightening torques values shown are based upon the threads being clean, dry, and free of lubrication.



Note: 1.) Always Place Saddle of Clamp on Live Rope End, U-Bolt on Dead End. 2.) First Wire Rope Clip Spacing (Between Clips) should be greater than the width of the Saddle. 3.) Minimum Clip to Clip Distance should be greater than the width of the Saddle.

Detail B.4: 5/16" (8 mm) Wire Rope Ends and Spliced Connections



Note: 1.) Always Place Saddle of Clamp on Live Rope End, U-Bolt on Dead End. 2.) First Wire Rope Clip Spacing (Between Clips) should be greater than the width of the Saddle. 3.) Minimum Clip to Clip Distance should be greater than the width of the Saddle.

Detail B.4: 3/4" (19mm) Wire Rope Ends and Spliced Connections

Notes:

All Wire Ropes As Listed Unless Otherwise Noted.

- Perimeter Support Cables, (If Applicable) Ø= 3/4" (19 mm) Wire Rope Class 6x19 IWRC EIPS, Galvanized.
- Tether Lines (If Applicable), Ø= 3/4" (19 mm) Wire Rope Class 6x19 IWRC EIPS, Galvanized. *Tethers are used to allow anchors to be situated to meet field conditions while maintaining the Support Cable Elevation / Alignment for proper mesh installation.*
- Panel to Panel Lacing Cable (I.D.), Ø= 5/16" (8 mm) Wire Rope Type 7x19 SC, Galvanized.
- Anchors: Please See Anchor Details.

Rock Mesh Panels.

- Rock Mesh 30100 Composite Cable Panel Construction:
 - DT Mesh Type 8x10 Galvanized, with Interwoven 5/16" (8 mm) Wire Ropes, Type 7x7 / 7x19 SC, Galvanized. Wire Rope Spacing 1ft (30cm) Longitudnal x 3 ft (100cm) Transversal.

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Rev	Issue / Revision	Drawn	App.	Date

Drawing Title: RockMesh 30100 Drapery Notes, Rope Splicing and Anchor Details			
Project No: RFBU2017 - 102	Client: VAOT	Designed: -	Date: -
Drawing No: 2 / 03	Units: Feet	Drawn: BL	Date: 08.24.17
Scale: NTS	Rev: 1	Checked: -	Date: -
Printed on: 8/28/17			

Project: RYEGATE IM 091-2 (80) / ROCK SLOPE PROTECTION
TYPICAL DRAWINGS

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