Pulling winch

Use double galvanized 7 strand steel wire cable not less than 3/16" diameter meeting ASTM A307 and galvanized in conformance with ASTM A153.

Provide pulleys of approximately 3" diameter plus a 5/16" diameter cable ride. Use laminated, high carbon steel gears. Copper braze drive gears and arc weld gears permanently lubricated bearings for drive shafts. Include cable clamp.

Build Pulling Winch with a self locking mechanism. Provide winch and cable attachment hardware.

Use 4" wide x 2" deep x 1/8" thick stainless steel hinges with 4-3/16" dia. [#10-24] for pulling winch to shape shown in cable will drop into pulley slot.

Place bolt close enough to pulley to cable will not jump off pulley or prevent pulley from turning.

Use 3/8" thick steel plate conforming to AASHTO M270 Grade 36 and galvanized in accordance with ASTM A153 for pulling winch and pulley attachment hardware.

Use 0.100 inch minimum thickness sign backing material.

Add punching to sign and add 1/3" x 1/3" 12 gauge stringer.

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