

SHARP CONSTRUCTION, LLC.
Todd & Kimberly Sharp – Owners
19360 Allen Ranch Road, Eustace, TX 75124
Phone: 903-451-9180
Mobile: 903-288-4327
Fax: 903-451-9182

STEEL RETAINING WALL SPECIFICATIONS

1. Eight gauge galvanized steel panels will be driven to specified grade and capped with 4x4x1/4 inch black steel angle iron.
2. Tie-back anchors consisting of 4 1/2 inch black steel pipe will be driven behind the wall on 8-foot centers unless otherwise specified.
3. 3/4 inch rolled steel tie rods will be attached every other panel. Double tie rods will be used on each deadman unless otherwise specified. Rods will be attached to back of wall using clips unless a sidewalk is installed, if sidewalk is installed, rods will be attached to top of angle. (see drawing)
4. If electrical or water lines extend beyond existing wall, a 5ft piece of 4" pipe will be placed through retaining wall to facilitate existing plumbing and electrical lines (if so equipped). Sharp construction is responsible to reconnect all electrical and drain lines. Sharp Construction will extend any other drainpipes through wall at a nominal cost to owner.
5. If rip-rap (rock) is present on old wall, a sufficient amount of rip-rap will be pushed in front of new wall. All soil will be obtained from the lake to complete the backfill.
6. Rough grading will be accomplished when the backfill is dry enough to support the weight of a tractor. A final finish grade is not included in original price.
7. All construction debris will be removed from the area upon completion of the job.

Please read & sign below:

Homeowner

Date

Contractor

APPLICATION FOR IMPROVEMENT PERMIT

PERMIT NO. _____ APPROVED SQUARE FOOTAGE: _____
DATE ISSUED: _____ EXPIRATION DATE: _____
TYPE OF IMPROVEMENT: _____
SPECIAL CONDITIONS: _____
APPROVED BY: _____ RECEIPT #: _____

FOR DISTRICT USE ONLY. DO NOT WRITE ABOVE THIS LINE

LAKE: _____ APPLICATION DATE: _____
OWNER: _____ PHONE NUMBER: _____
MAILING ADDRESS: _____
ADDRESS OF PERMIT: _____
LOT: _____ BLOCK: _____ ADDITION: _____
DESCRIPTION OF IMPROVEMENT: _____

CONTRACTOR	PHONE	TYPE OF WORK
1. _____	_____	_____
2. _____	_____	_____

Owner and Contractor agree to accomplish the construction in strict compliance with the plans and specifications and construction must be completed prior to the expiration of the permit. Owner or contractor must notify the District to arrange for a general inspection upon completion.

Owner represents that he owns and/or controls the above referenced property and that he will comply with all applicable laws, ordinances, rules and regulations of governmental agencies concerning this construction, specifically including but not limited to the General Ordinance of the District and the ordinances, rules and regulations of the United States Army Corp of Engineers, the United States Environmental Protection Agency, and the Texas Natural Resource Conservation Commission. The Owner further represents that he will not be in violation of any regulations or restrictions imposed by any County or Municipal agency or by any deed restrictions which may be attached to the property and that any required variance has been secured. The District assumes no responsibility for, and the owner will hold the District harmless from, disputes of title, rights, or liability for damages to persons or property arising from the construction maintenance of existence of such improvements. At any time the condition or presence of this improvement interferes with the operation of the reservoir or the safety of the persons of property using the surface thereof, the Owner agrees to immediately make any and all changes or corrections necessary to make the improvement comply with the General Ordinance or remove the improvement from District property at Owner's expense.

By acceptance of the subsequent permit, you hereby release and discharge Tarrant Regional Water District and its agents, and directors, and agree that Tarrant Regional Water District shall not be held liable or responsible for, and shall be indemnified and held harmless by you, your successors, assigns, and helps, from and against any and all claims and damages of every kind for injury indirectly, to operation, use, or existence, of the improvement which you are requesting permission to construct on the District's Reservoir, or from any act of the District, its agents or directors, including the operation BASED IN WHOLE OR IN PART ON THE ALLEGED NEGLIGENCE OR OTHER TORT OF TARRANT REGIONAL WATER DISTRICT OR ITS AGENTS OR DIRECTORS, THE PARTIES HERETO INTENDING HEREBY TO SATISFY THE EXPRESS NEGLIGENCE DOCTRINE.

This release and indemnification shall survive termination or expiration of the permit.

Agreed to by the undersigned this _____ day of _____

Property Owner

Contractor

SHARP CONSTRUCTION, LLC.

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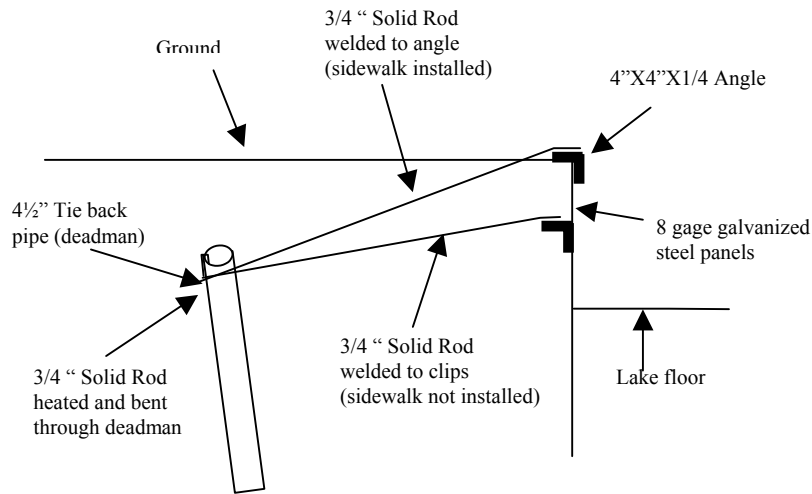
Phone: 903-451-9180

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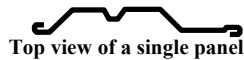
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Wall Diagram

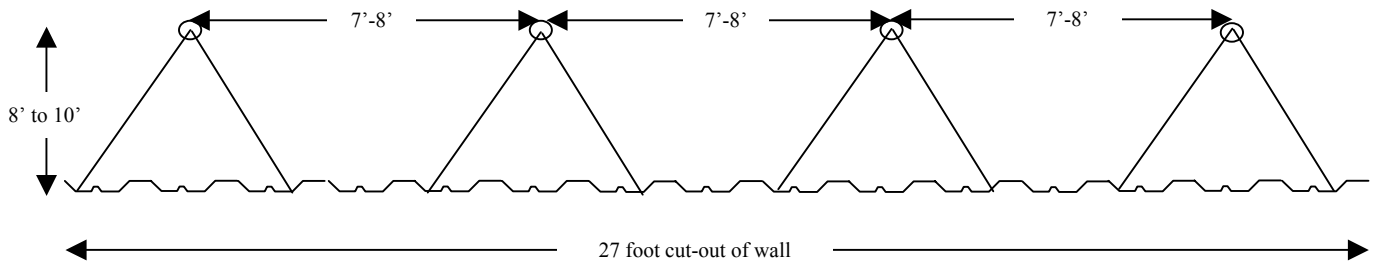
Side View



Top View



Distance Between Tie Back Rods and Deadman



Homeowner

Date

Contractor