

LVEA Technical Foundation Procedure

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cc: OTTO MATHERNY
FRANK ASIRI
TIM MIZLOTT
FILE 4.5.9.3

LEVERNIER CONSTRUCTION

LIGO 580

P.O. Box 13419, 7620 E. Spear

Spokane, WA 992123

LVEA technical equipment foundation will be poured and finished in three (3) lifts as follows:

- 1.1 First two lifts of concrete will be 12 inches thick each and will be poured on two consecutive days. Concrete will be Mix Number 0603A.
- 1.2 Third lift will be 6 inches thick and use Mix Number 0603A with Fibermesh.
- 1.3 Two concrete pumps will be used for placing concrete at a rate of approximately 150 cy per hour. One additional pump will be on site as a backup.
- 1.4 36 inch fiberglass rod will be driven into earth approximately 11 inches at 10 foot intervals to establish grade for top of 24 inch bottom lift. A guide string will run from rod to rod at an elevation of 6 inches below finish floor.
- 1.5 The finish on the second 12 inch lift will be a rough finish created by consolidation with a vibrator in order to provide bonding for the 6 inch topping slab.
- 1.6 Top mat of rebar will be placed prior to placement of 6 inch finish slab with uniform clearance between rebar and finish floor of not less than 1 1/2 inches. Rebar will be cleaned of any scale, dirt, oil, etc. before concrete placement.
- 1.7 6 inch topping slab will be set up using deck plates, attached to top of 24 inch lift, and removable screed pins.
- 1.8 All dirt, loose concrete and debris will be cleaned from top of bottom 24 inch lift before placing topping slab.
- 1.9 Topping slab will be placed in one continuous pour.

Candy Parks