

WORK METHOD STATEMENT

CONSTRUCTION OF FLAT FLOOR

Contractor :- RUSHIKA ENTERPRISES

Site Location :-

This Method statement describe the construction of flat floor standard of. It briefly outlines the process and method of the construction : -

1 Floor Base

Main contractor must ensure that the floor base is firm and well compacted according to specifications.

2 Floor Preparation

Main contractor must ensure that the floor base be thoroughly cleaned by high pressure water jet or compressor air. BRC should be at least 50mm lower than the Finished Floor Level. BRC or reinforcement should be properly supported by chairs at regular interval of not more than 60 cm. Formwork should set up accurately and secured firmly such that its top elevation is the same as the final finished elevation of concrete floor.

3 Roof protection

Building roof covering, gutter, rain water down pipe and side caldding shall be erected before the commence of flat floor concreting. This avoids the possible negative impact on the floor flatness & levelness due to rain, sun shine and strong wind.

4 Datum Point – Finished Floor Level

Main contractor must ensure accurate transfer of the reference level of datum point to the floor contruction area for setting of final finished floor elevation.

5 Setting up Lazer Transmitter & Lazer Screed

Start up Lazer Transmitter at about 2 m above grade.

Be sure the lazer transmitter is set up in a location that will not have anything in the way to cause interference.

Establish and set grade on the Mini Screed Grade Rod. Position machine vibrator plate onto the form.

Make sure both lazer receivers are clear to the transmitter and switch elevation control to manual.

Using the console level indicator, level the machine with the head lift switch.

Machine should be held firmly in this position while setting grade. Any machine movement will negatively affect the setup.

Near the lazer receiver masts, place the Grade Rod ring on top of plow and hold vertical.

Using raise/lower elevation control, adjust height of plow until the Mini Screed Grade Rod indicates proper grade.

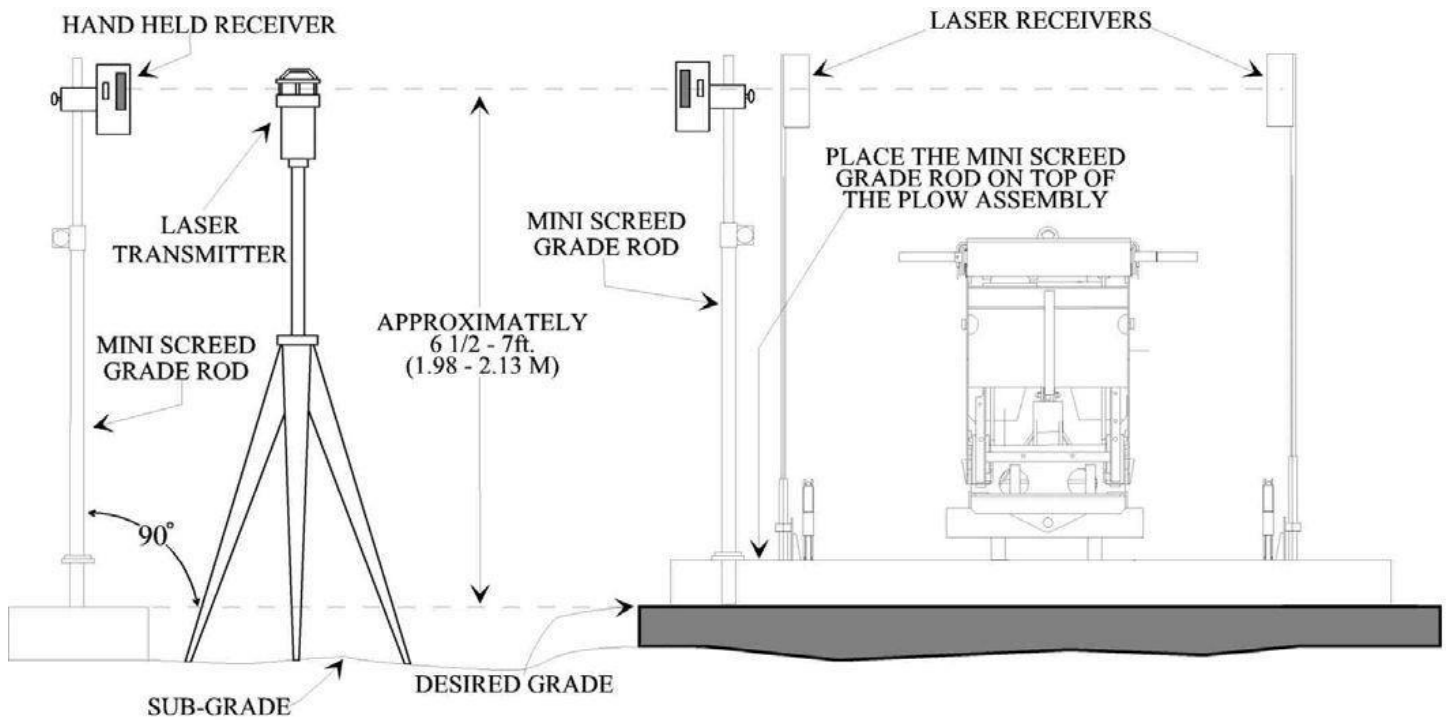
Once the plow is on-grade, manually lower the lazer received (from top down) until the LED's indicate the on-grade signal.

Repeat the process for the opposite side.

If on-grade is not achieved, hold down the respective reset button and tap the manual switch lower position to match grade on that side.

Switch elevation control to automatic.

Screed approximately 2 m then verify grade and make adjustment if required.



Lazer Transmitter GL522-S

6 **Supply & Laying of Concrete**

Main contractor must ensure quality control of the ready-mixed concrete inclusive of traveling time. Readymix supply should be regular without break interval longer than 25 mins. It must comply with the required specification and mix-design and be supplied, inspected, laid and leveled with good concreting practice. Slump test must be carried out for each & every load of concrete delivery. Appropriate slump must be observed accordingly. Concrete vibrating poker is to be used.

7 Vibraing & Initial Leveling by Vibrator Lazer Screed

Vibrate & level the concrete by vibrator lazer screed which is operated by skilled operators.



8 Bull floating

Spread, float & work to integrate the floor hardener incorporate into the top layer of the concrete by bull-float at the initial stage and subsequently by power floating machine as the concrete gradually hardens up.

9 Floor Hardener Application

Spread evenly floor hardener on semi-hardened concrete. Divide the floor areas into grids and ensure that appropriate amount of floor hardener is applied evenly onto each area. Ensure the workers use appropriate foot ware or platform so not to leave shoes mark on the concrete surface.

10 Initial Flatness Enhancement

After application of floor hardener, float & flatten the floor with channel floats.



11 Floor Surface Flattening

Refined flattening work of the floor surface by hand trowel.

12 Finishing

Power trowelling by riding trowelling machine to the required floor surface finishing. This machine is heavy so the top concrete surface can be densified.

13 Curing

Apply curing compound according to requirement and specification.

14 Measurement of floor flatness & levelness

Floor measurement by certified surveyor, by means of the “Dipstick” F-number measuring instrument after the completion of the floor construction.



The company carried out floor measurement must have the surface profiler measurement certificate.