

## CONFORM INSTALLATION NOTES

### 6. CONCRETE WORK

- .1 **PLACE CONCRETE USING A CONCRETE PUMP AND HOSE WITH A "S" BEND AND A 76 mm (3") REDUCER.**
- .2 ENSURE THAT PROPER SCAFFOLDING OR LIFT EQUIPMENT IS ON-SITE, TO ALLOW CONTROL OF THE CONCRETE HOSE AT THE TOP OF THE WALL. **DO NOT SUPPORT THE CONCRETE HOSE ON THE WALLS, SINCE THIS MAY CAUSE SHIFTING OF THE WALLS.**
- .3 **UNLESS OTHERWISE INDICATED, CONCRETE SHALL BE:**
  - **20 MPa (3000 psi) MINIMUM SPECIFIED 28 DAY STRENGTH**
  - **10 mm (3/8") MAXIMUM PEA GRAVEL AGGREGATE**
  - **0.55 MAXIMUM WATER CEMENT RATIO**
  - **125 mm (5") SLUMP,  $\pm 12\text{mm}$  ( $\frac{1}{2}$ "), AT POINT OF DISCHARGE, APPROX. 150 mm (6") AT THE TRUCK**
- .4 INTERNAL MECHANICAL VIBRATION EQUIPMENT IS NOT RECOMMENDED. **VIGOROUS TAPPING OF THE EXTERIOR FACE WITH A WHITE RUBBER Mallet IS RECOMMENDED TO ENSURE THAT THERE ARE NO SIGNIFICANT VOIDS.**
- .5 START THE CONCRETE POUR FOR EACH WALL BY FILLING ALL SILLS, EACH SIDE OF EACH OPENING UP TO MID-HEIGHT 1.5m (5') MAXIMUM, CORNERS UP TO MID-HEIGHT 1.5 m (5') MAXIMUM, AND INTERSECTIONS UP TO MID-HEIGHT 1.5m (5') MAXIMUM. THIS HELPS "LOCK-IN" THE CONFORM COMPONENTS TO PREVENT LATERAL DRIFT. THE REMAINDER OF THE WALL CAN BE FILLED HALFWAY OR FULL HEIGHT, DEPENDING ON THE SLUMP OF THE CONCRETE AND THE RATE OF POUR.
- .6 AS THE WALLS ARE FILLED MONITOR THE BOWING ON THE FACE OF THE CONFORM COMPONENTS AND ADJUST THE RATE OF POUR TO MINIMIZE THE BOWING.
- .7 AS THE WALLS ARE FILLED MONITOR THE PLUMB OF THE CORNERS AND INTERSECTIONS AND MONITOR THE SQUARE AND PLUMB OF ALL OPENINGS. ADJUST THE RATE OF POUR TO ENSURE THAT THE WALL DOESN'T SHIFT AND THAT THE OPENINGS REMAIN TRUE. TIGHTEN THE BRACING OR ADD ADDITIONAL BRACING AS REQUIRED.
- .8 CONTINUALLY INSPECT THE CONFORM FORMS TO ENSURE THAT THE BRACING IS ADEQUATE AND THAT NO BLOWOUTS OCCUR.
- .9 STEEL TROWEL THE TOP OF THE CONCRETE FLUSH WITH THE TOP OF THE CONFORM FORMS OR UP TO 3mm ( $\frac{1}{8}$ ") LOW. CONCRETE MUST NOT PROJECT ABOVE THE TOP OF THE CONFORM FORMS.
- .10 **IMMEDIATELY, WASH DOWN THE FACES TO REMOVE EXCESS CONCRETE AND PASTE, FOLLOWING BEHIND THE CONCRETE PLACEMENT AS THE WALLS ARE FILLED.** A HIGH PRESSURE WASHER IS RECOMMENDED FOR FAST CLEAN UP. IT IS TIME CONSUMING TO REMOVE THE CONCRETE PAST AFTER IT HAS HARDENED.
- .11 TEMPORARY FRAMING AND BRACING MUST REMAIN IN PLACE UNTIL THE CONCRETE STRENGTH IS ADEQUATE TO SAFELY SUPPORT ALL IMPOSED LOADS AND SELF-WEIGHT AND UNTIL PERMANENT LATERAL DIAPHRAGMS FROM ROOFS AND FLOORS ARE CONNECTED.



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## CONFORM INSTALLATION NOTE 6



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