

## **A Structural Engineers Specification**

### **TITAN TIMBER "GLU-LAM COLUMN" SPECIFICATIONS**

**All columns shall be Titan Timber Glue Laminated Columns. The lower portion of the column shall be manufactured from #1 Southern Yellow Pine and treated to .60 lbs per cubic foot of retention with Chromated Copper Aresenate (CCA). CCA shall be used in compliance with AWWA "C28" treated glue lam restricted usage. The treated portion shall be designed to extend at least one foot above the ground line. The upper untreated portion of the columns shall consist of Machine Stress Rated 1650Fb SPF. The lamination adhesives shall be for wet-use conforming to "ASTM D 2559". The laminations shall be surfaced, glued, and then clamped. The clamp-up shall be maintained at room temperature, at a minimum pressure of 125 PSI for a minimum of 8 hours. The laminations shall be made to length utilizing a structural finger joint .987" or longer. The finger joint shall be cured by means of Radio Frequency technology. The structural finger joint adhesive shall be a wet use melamine conforming to ASTM D2559. Titan Timbers shall be surfaced after curing on the narrow faces of the laminations.**