SKILLING - HELLE - CHRISTIANSEN - ROBERTSON Structural & Civil Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: TEMPORARY SHORING - NOTES | DATE: 5-1-68

REVISIONS

1. Temporary shoring beams and pipe posts are to be installed prior to casting the slabs. Shoring to be adequately braced during construction and to remain in place until after the removal of the PATH Tubes.
2. Beams & connection material shall conform to ASTM A36 unless another grade is specifically noted and shall be installed in conformance with the AISC specification adopted April 17, 1963
3. Pipe posts shall conform to ASTM A53, Type E or S, Grade B with a sulphur content not exceeding 0.05 percent or API Standard 5L, Grade B seamless or electric welded pipe and shall have a minimum yield point of 35 ksi.
4. Bolts shall conform to ASTM A325 except anchor bolts at piers may conform to ASTM A307. A325 bolts shall be installed in conformance with the requirements of "Specifications for Structural Joints Using ASTM A325 or A490 Bolts" approved by Research Council on Riveted and bolted Joints of the Engineering Foundation, Sept. 1, 1966.
5. Welding of structural steel shall conform to the requirements of the AISC specification adopted April 17, 1963 and the "Code for welding in Building Construction" D1.0-66 by the AWS.
6. Shims shall be installed between beams and slab as required to maintain bearing and shall conform to ASTM A36
7. When shoring is removed, pipes shall be cut off at least one inch below top of slab and slab patched. Pipes shall be cut off smooth with the bottom of plates embedded in slab. Temporary connections to permanent construction shall be cut off at face of permanent construction.



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