REVISIONS	SKILLING, HELLE, CHRISTIANSEN, ROBERTSON	DRAWING NO
Δ2-1-79	CONSULTING STRUCTURAL AND CIVIL ENGINEERS	13-K19 2
	PROJECT WTC-1978 HOTEL · SUPPORT REV. / PROJECT NO 701.283 / BY WAB	
		DATE 1-3-79

Codes

1. Building Code for the City of New York.
2. AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings".
3. Structural Welding Code AWS D1.1-Rev. 2-77.
4. ACI 318-77 "American Concrete Institute Standard Building Code Requirements for Reinforced Concrete".

Specifications

See "World Trade Center Hotel - 05120-1-, Structural Steel 6/2/78" except as modified in these Notes and drawings.

Site

1. Dimensions shown in the Drawings are correct to the best of the knowledge of the Port Authority of New York, World Trade Center Planning and Construction hereafter referred to as the Engineer. However, the Contractor shall verify all dimensions by field measurements prior to installing any material. For material fabricated to fit within restricted dimensions, field dimensions shall be verified prior to fabrication and shall be shown in the shop detail drawings.
2. Shop Drawings shall be submitted to the Engineer prior to fabrication of any material.

Structural Steel

1. All steel shall be ASTM A 36 or another weldable steel included in paragraph 1.4.1.1 of the AISC Specifications and selected to provide the yield point required in the drawings.
2. All bolted connections shall be made with bolts as noted in the drawings.
3. Reinforcing is to be provided where field cuts have reduced the shear or moment capacity below the capacity before field cuts were made.
4. Electrodes, flux and shielding gas shall conform to AWS A5.1-69, AWS A5.17-69 or AWS A5.20-69 as applicable and shall provide physical properties after welding equivalent to or better than E7018 low-hydrogen electrodes. Drying or redrying of low hydrogen electrodes shall be performed at a temperature between 700 and 800 degrees Fahrenheit for not less than one hour
5. All welds shall be subject to inspection by the Engineer to the extent deemed necessary by the Engineer. Conformance to AWS D1.1 of all full penetration welds (CP) shall be verified by UT. Partial penetration welds shall be UT where shown in the drawings and as deemed necessary by the Engineer.

Reinforced Concrete

1. Concrete shall be f'c = 4,000 psi made with normal weight aggregate.
2. Concrete which is to be adjacent to existing concrete shall have mixes designed and proportioned to produce minimum practicable shrinkage.
3. Where concrete is to be cast against existing concrete, the existing concrete shall be cleaned and completely coated with an approved epoxy bonding agent prior to casting new concrete.
4. All reinforcing steel shall be deformed bars conforming to ASTM A 615, Grade 60 unless otherwise noted in the Drawings.