SKILLING - HELLE - CHRISTIANSEN - ROBERTSON Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 19 - REVISIONS AFTER FABRICATION - GENERAL NOTES	8/15/68

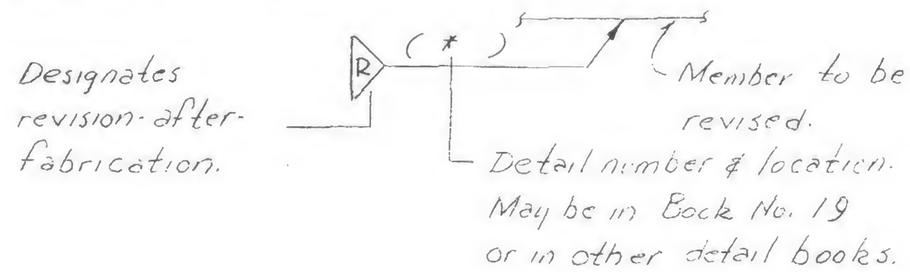
REVISIONS

3-12-69

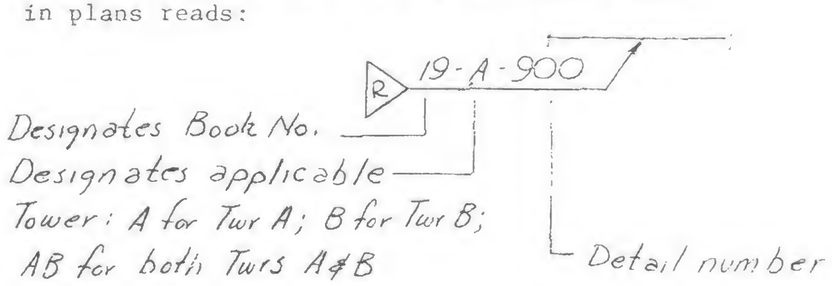
GENERAL NOTES

1. The details given in Book 19 define revisions to be made to previously fabricated steel members, or to members under fabrication.

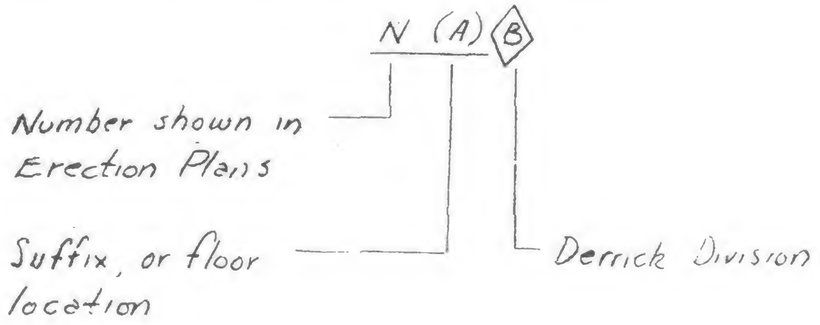
2. The location of such revisions and the detail number are shown in Structural Steel Plans, using the following symbol:



Details of revisions-after-fabrication may be given in Book 19, or in other detail books. When details are in Book 19, the symbol shown in plans reads:



3. Member numbers used in the details of Book 19 are the member numbers shown in Erection Plans and other shop drawings using the system:



4. Revisions after fabrication shall conform to current AISC and AWS specifications for building construction, and to project drawings and specifications for the fabricated members being revised.

5. Standard AISC connections shall be used where shown in the drawings, or where member reactions are given in kips, or where connection details are not otherwise shown. Bolted connections shall have a minimum of two 3/4" Ø A325 bolts, unless otherwise shown.

6. All bolts shall be ASTM A325, friction-type, unless otherwise shown in the drawings.

7. All manual welding electrodes shall be E70XX low hydrogen, unless otherwise shown in the drawings.

8. All steel parts shall be ASTM A36, unless otherwise shown in the drawings.

9. The requirements and general notes given in the following drawings apply to the details of Book 19 when pertinent:

   1-A2-44
   5-AB1-0
   6-AB1-1

10. Permanent members which are gouged, cut or otherwise damaged during revision work shall be restored to their original condition. Gouges and cuts shall be repaired by filling with weld metail and grinding smooth.

11. The Contractor may propose alternate connection details using bolts in lieu of welds shown in drawings, by submitting a drawing of the alternate detail for approval. No deviation from the details originally shown in the drawings is permitted without the approval of alternate drawings.

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