

TAYLOR AND CRABTREE
ARCHITECTS
1812 BROADWAY, NASHVILLE, TENN.

SEC
559.75-01-09

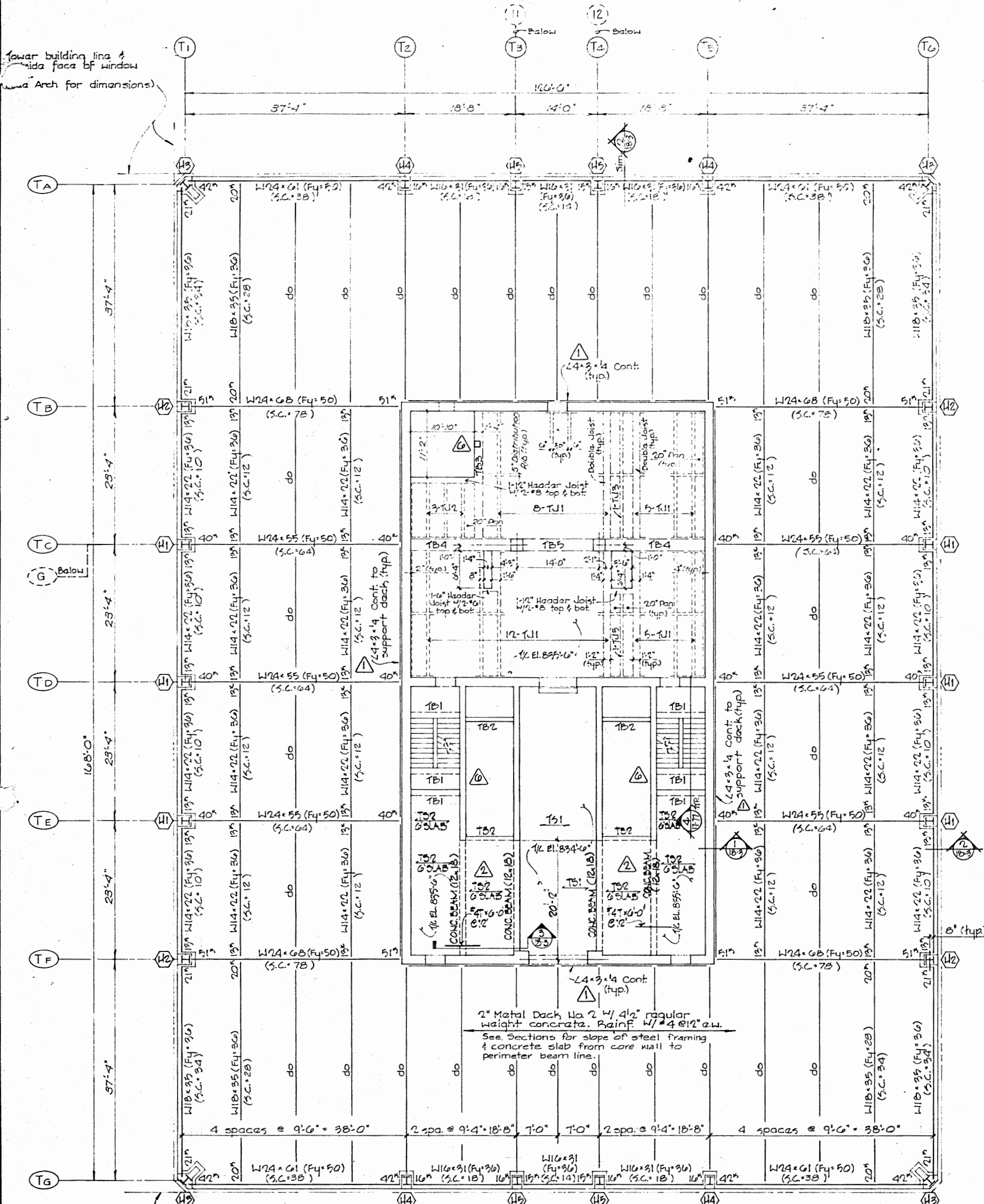
FOR THE
STATE OF
TENNESSEE

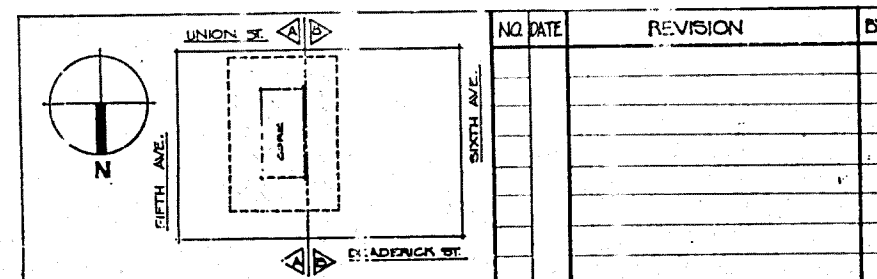
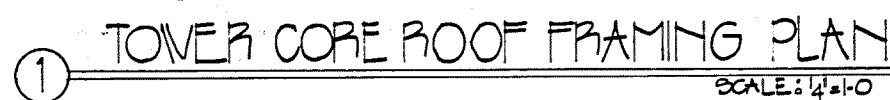
AN OFFICE BUILDING
CENTER
AND CULTURAL CENTER

TOUR ROOF FRAMING PLAN

18-3

263





TAYLOR AND CRABTREE.
A R C H I T E C T S
1812 BROADWAY. NASHVILLE, TENN.

SBC
129/75-01-69

**AN OFFICE BUILDING
AND CULTURAL CENTER
FOR THE
STATE OF
TENNESSEE**

AND COLLEGE CENTER
TENNESSEE
TOWER CORE ROOF FRAMING PLAN

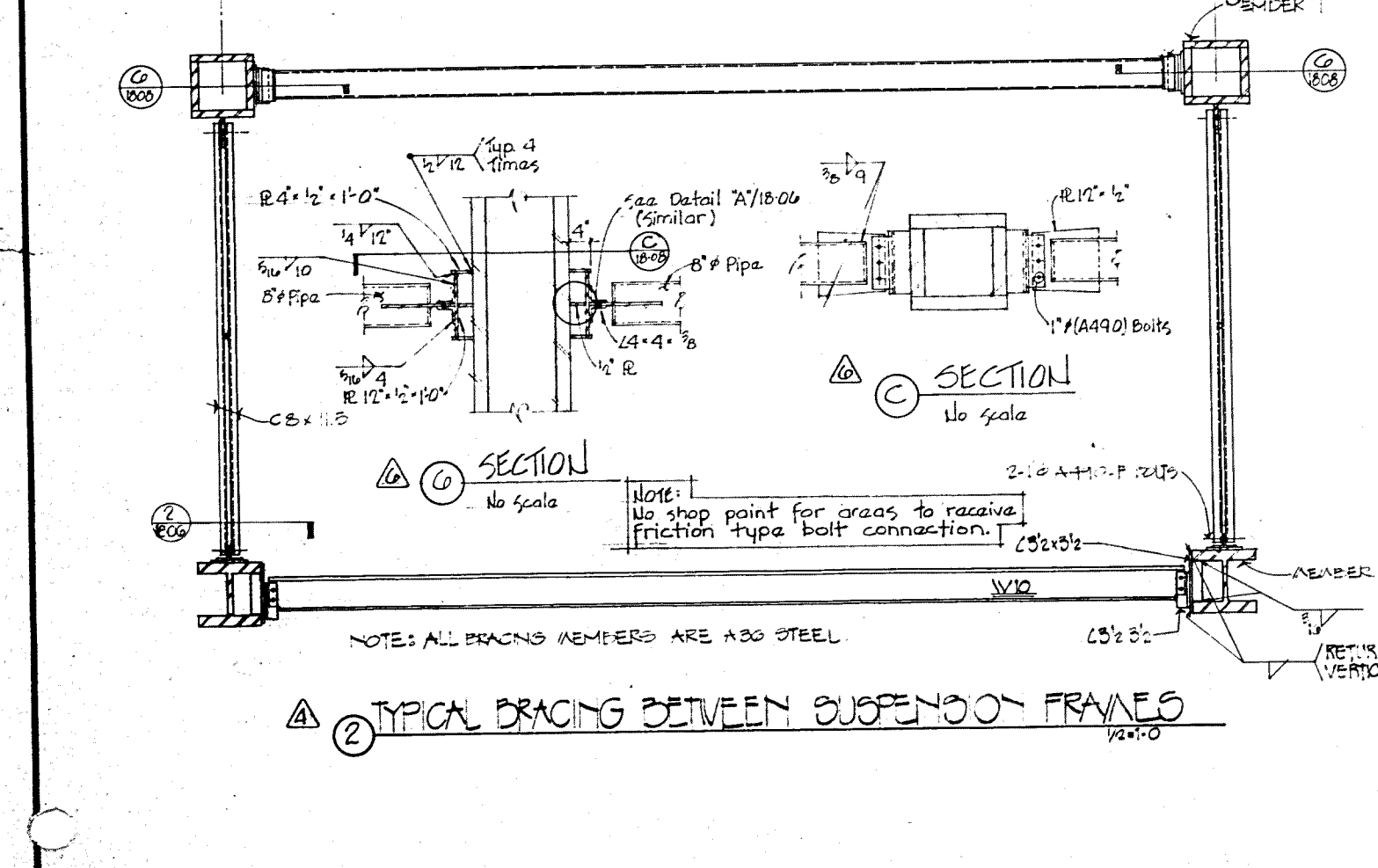
PROJECT NO.
: 7315

DRAWN BY
: *MS*

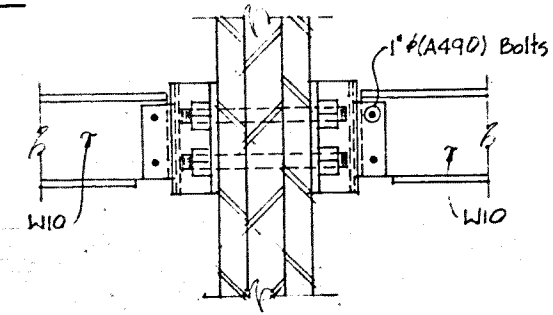
CHECKED BY
: H. NIELSEN

ISSUE DATE
: Dec. 5, 19

18-05



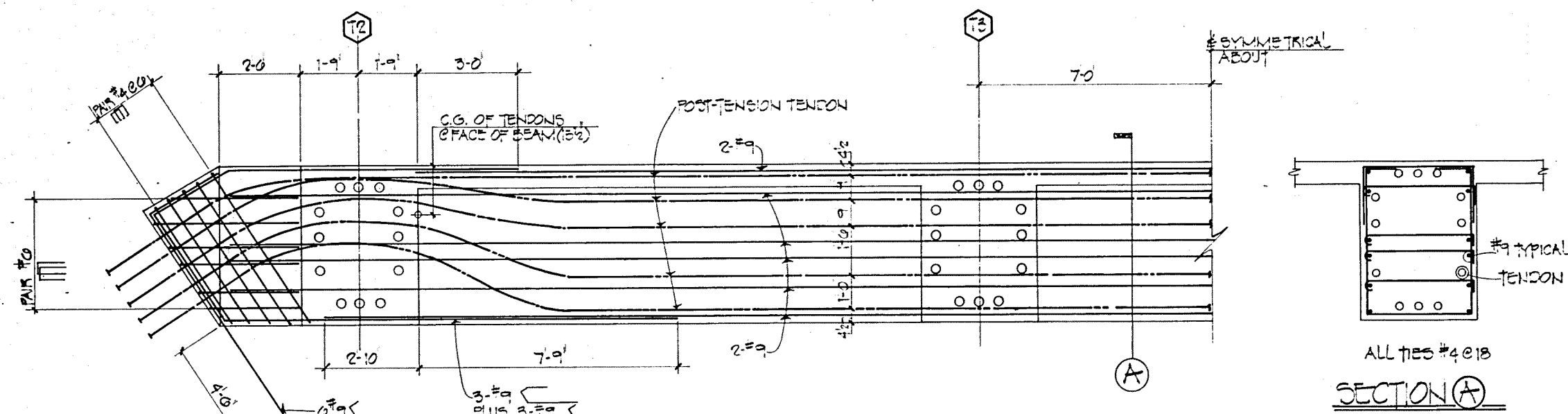
NOTE: All suspension frames and hanger members which will remain exposed shall be weathering steel ASTM A588 (Fy = 50 ksi.). Base R "A" shall be ASTM A36.



NO.	DATE	REVISION	
④	12-5	REVISED SECTIONS OF DETAILS	
⑤	12-6	ADDED SECTIONS & DETAILS, ADDED NOTE	

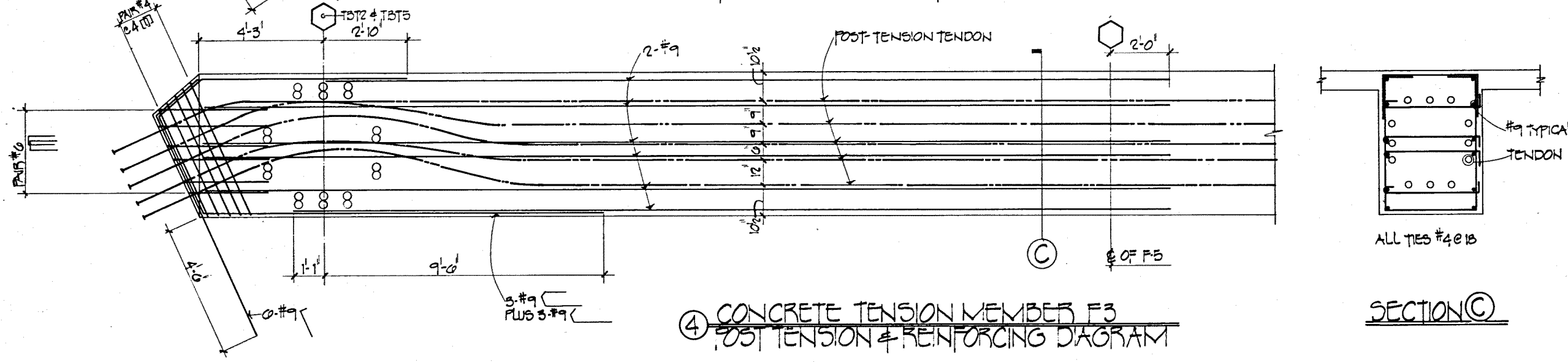
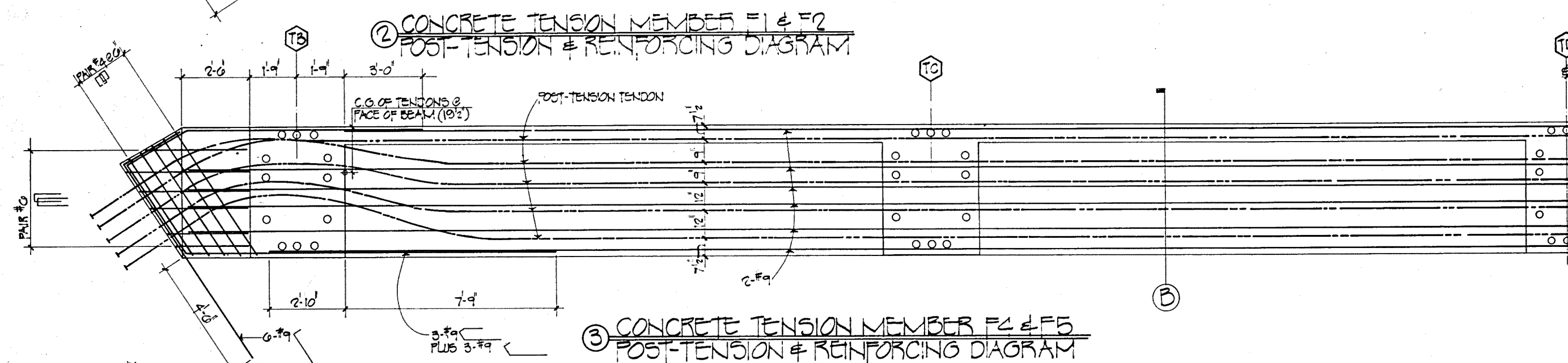
PROPERTY NO.	: 7315
NAME OF	: M. SANCHEZ
CONTROL BY	: W. NIELSEN
DATE DUE	: Dec. 5, 1975
18-08	

HALF SIZE PRINT
NOT FOR CONSTRUCTION
DISREGARD ALL SCALES



① POST-TENSION TENDON SCHEDULE

FRAME	NUMBER OF TENDONS	NUMBER OF 1/2" STRANDS PER TENDON (270K)	LOCATION OF TENDONS AT ANCHOR PL. SEE DETAIL 10	REMARKS
1	12	9	EA. TENDON HOLE	FOR DESIGN LOADING SEE 10
2,3,4	12	12	EA. TENDON HOLE	FOR DESIGN LOADING SEE 10
5	6	9	HOLE 'A' ONLY	FOR DESIGN LOADING SEE 10



NOTES

- POST-TENSION SEQUENCE SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL.
- POST-TENSIONING SHALL BE PERFORMED IN THREE STAGES AS FOLLOWS:
 - FOUR TENDONS AT EACH CONNECTION TO BE STRESSED BEFORE MEMBER "T" IS INSTALLED.
 - FOUR ADDITIONAL TENDONS ARE TO BE STRESSED AFTER SEVEN FRAMING LEVELS (INCLUDING FLOOR SLABS) HAVE BEEN ERECTED.
 - THE REMAINING TENDONS ARE TO BE STRESSED AFTER A TOTAL OF FOURTEEN FRAMING LEVELS (INCLUDING FLOOR SLABS) HAVE BEEN ERECTED.
- PERFORM POST-TENSIONING IN A MANNER AS TO NOT IMPOSE ECCENTRICITY ON THE CONNECTION UNLESS APPROVED BY THE DESIGN ENGINEER.
- JACK POST-TENSIONING TENDONS AT EACH END OF THE TENDON AS TO INSURE DESIGN LOADING.
- POST-TENSION TENDONS ONLY AFTER CONCRETE HAS OBTAINED AT LEAST EIGHTY PERCENT OF ITS 28-DAY STRENGTH.
- FULLY GROUT TENDONS AS TO CONFORM TO THE LATEST ACI CODE AND THE RECOMMENDATIONS OF THE PRESTRESSED CONCRETE INSTITUTE.
 - GROUTING PROCEDURE AND DESIGN MIX TO BE USED SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL.
- DUE TO THE UNIQUE REQUIREMENTS OF THE ROOF SUSPENSION SYSTEM, THE CONSTRUCTION SEQUENCE OF THE FLOOR SLABS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW.

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NO.	DATE	REVISION	BY



FOR THE STATE OF TENNESSEE
SBC 539/75-01-69
OFFICE BUILDING AND CULTURAL CENTER
TOWER SUSPENSION FRAME DETAILS
18-11

TAYLOR AND CRABTREE
ARCHITECTS
1812 BROADWAY, NASHVILLE, TENN.

