

TYPICAL SIMPLE, NON-MOMENT BEAM TO BEAM CONNECTION DETAILS

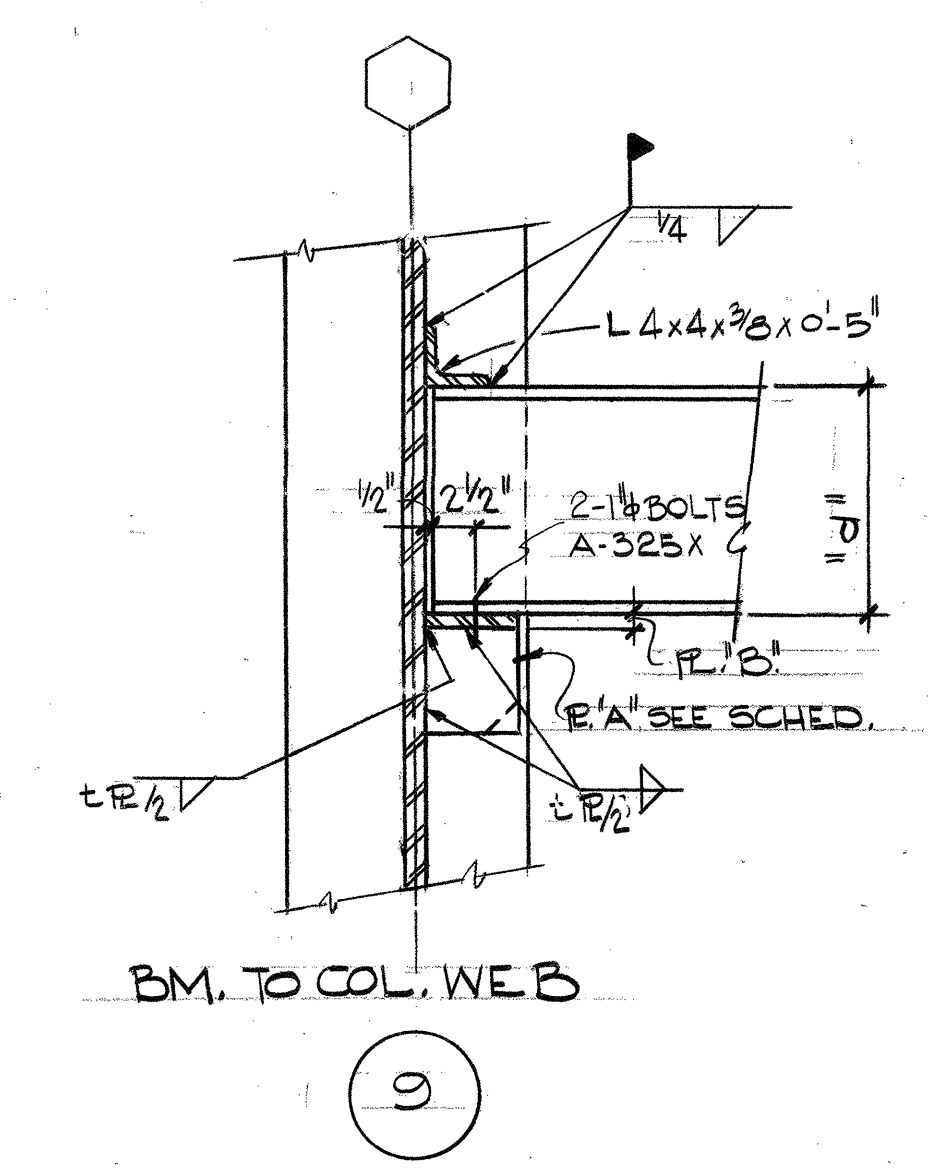
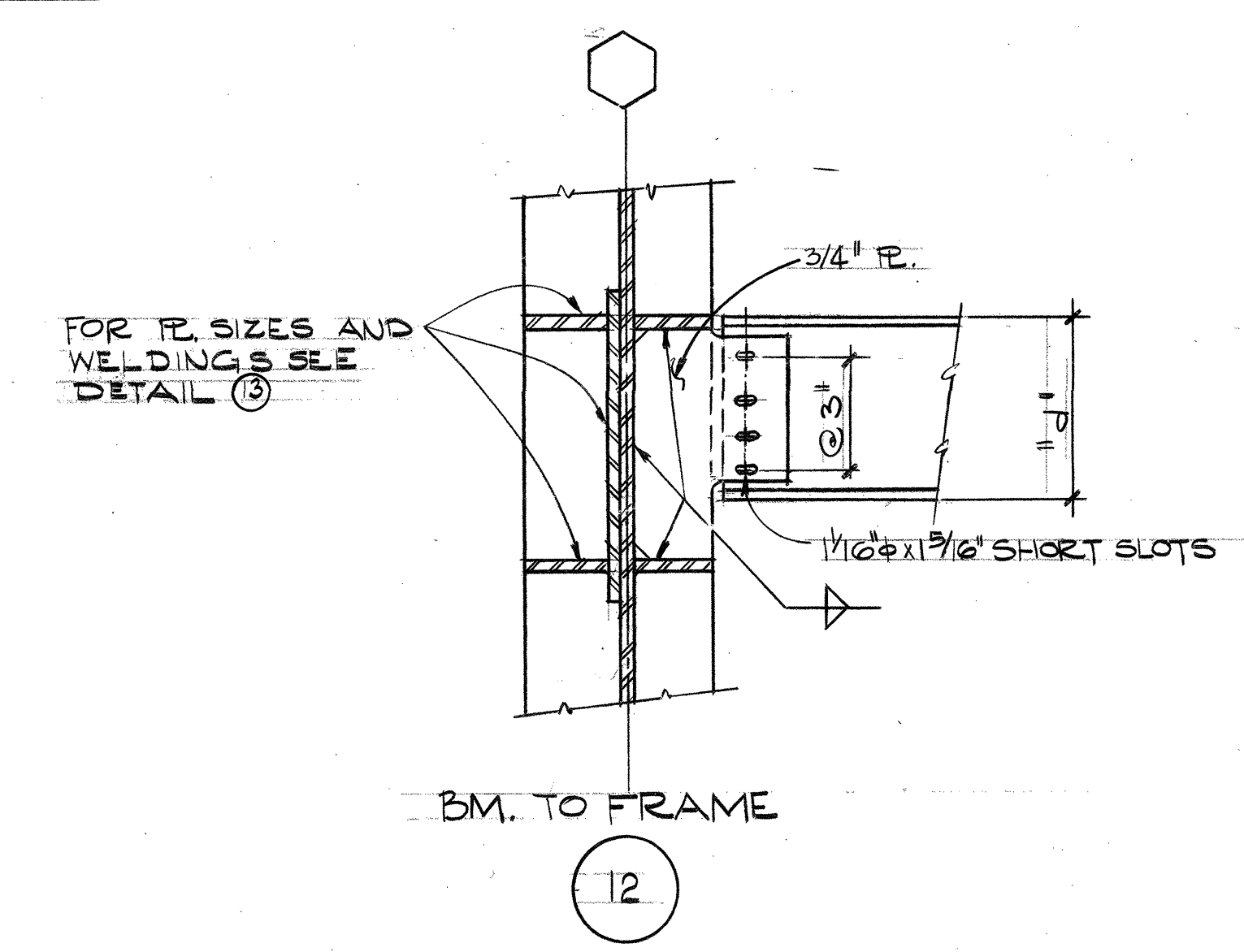
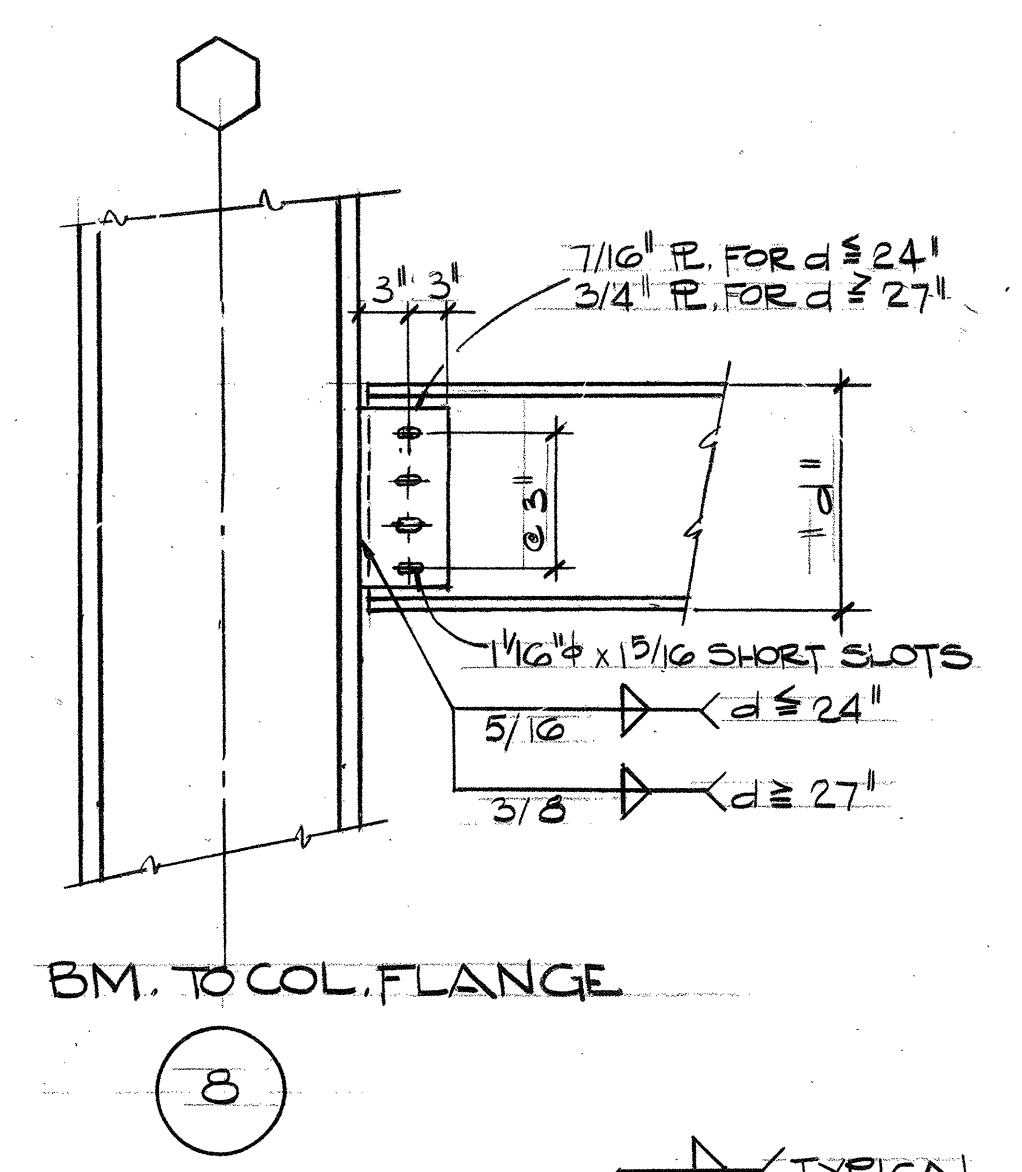
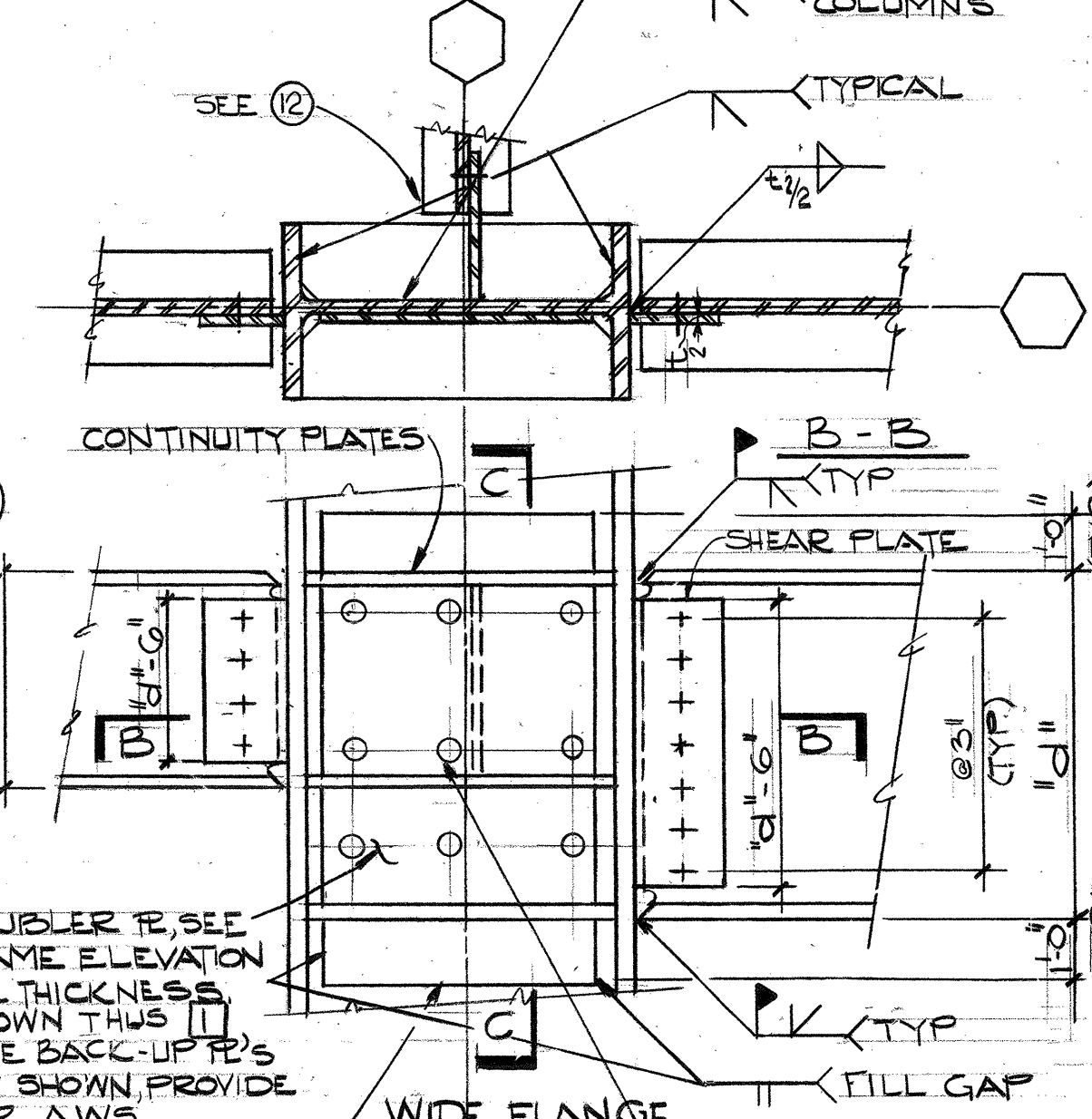
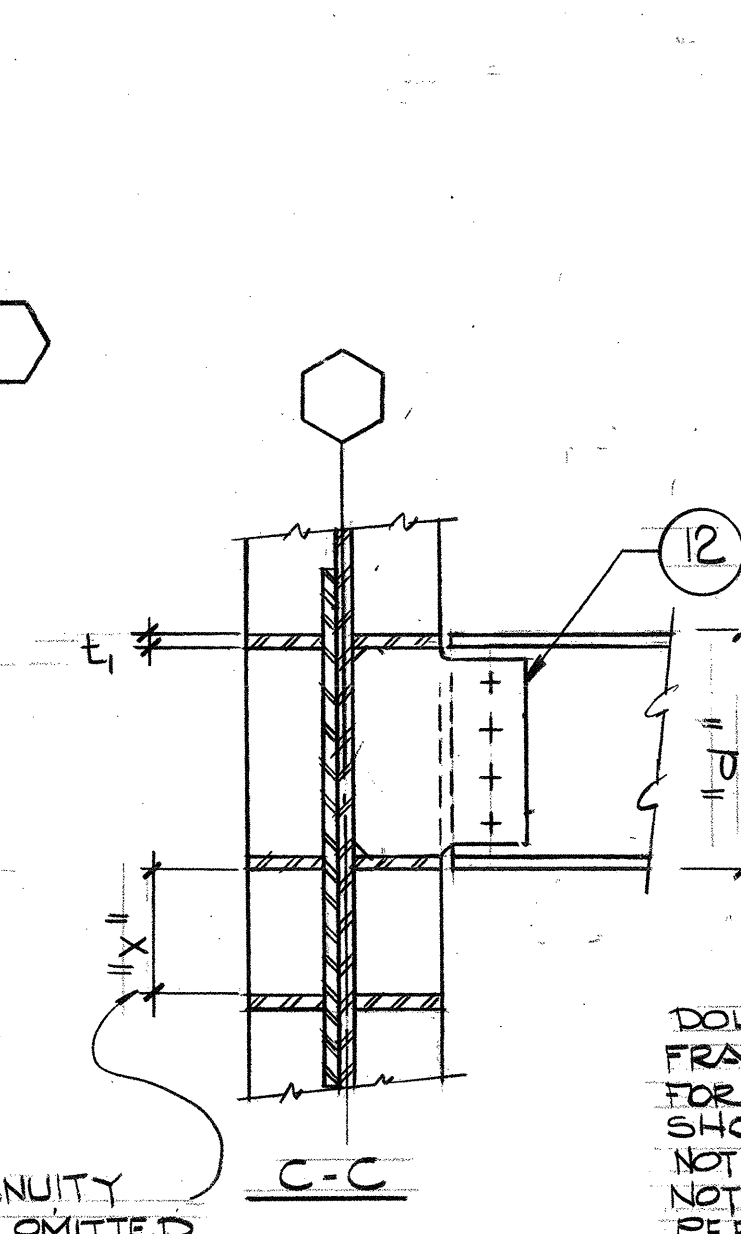
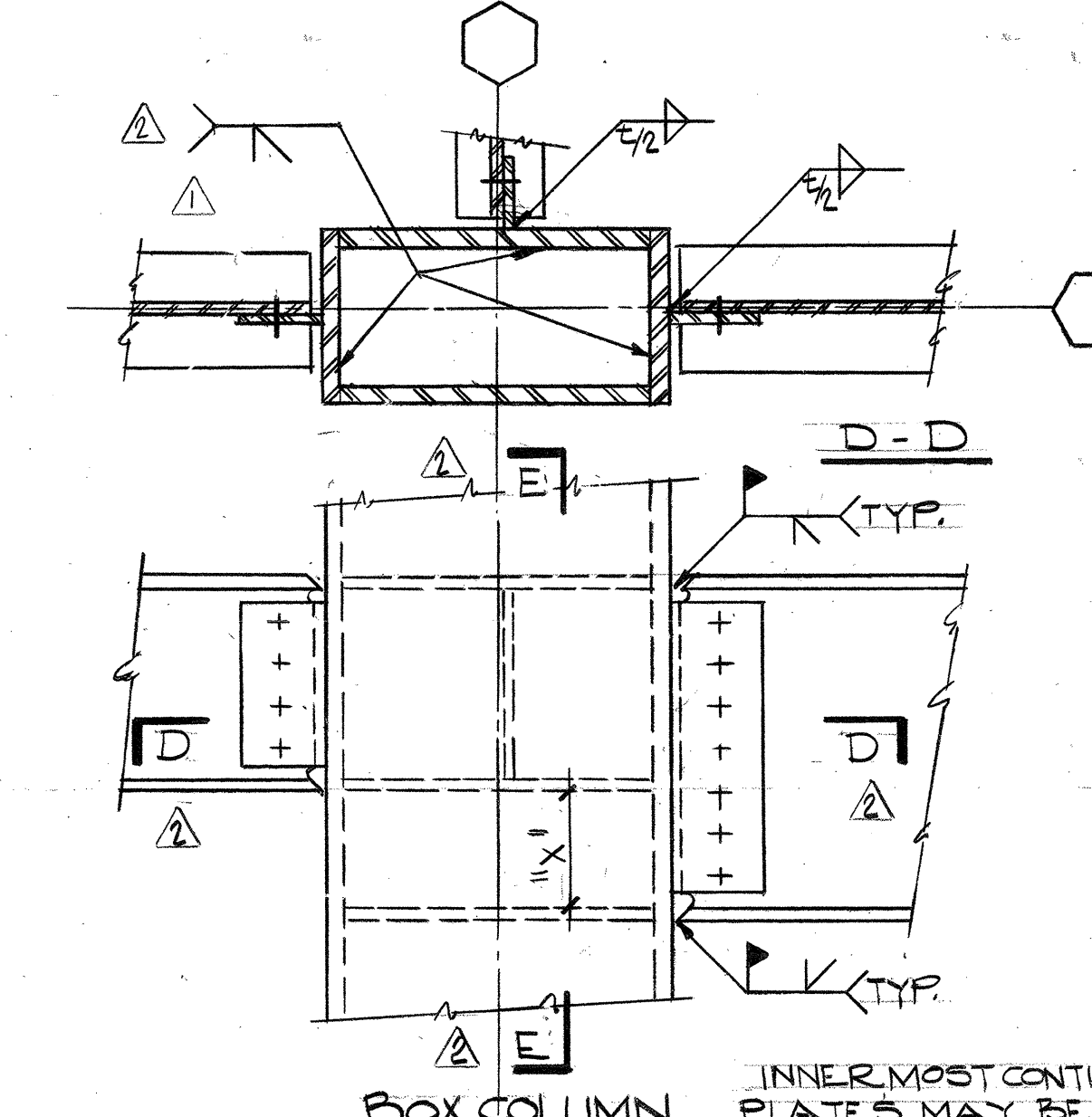
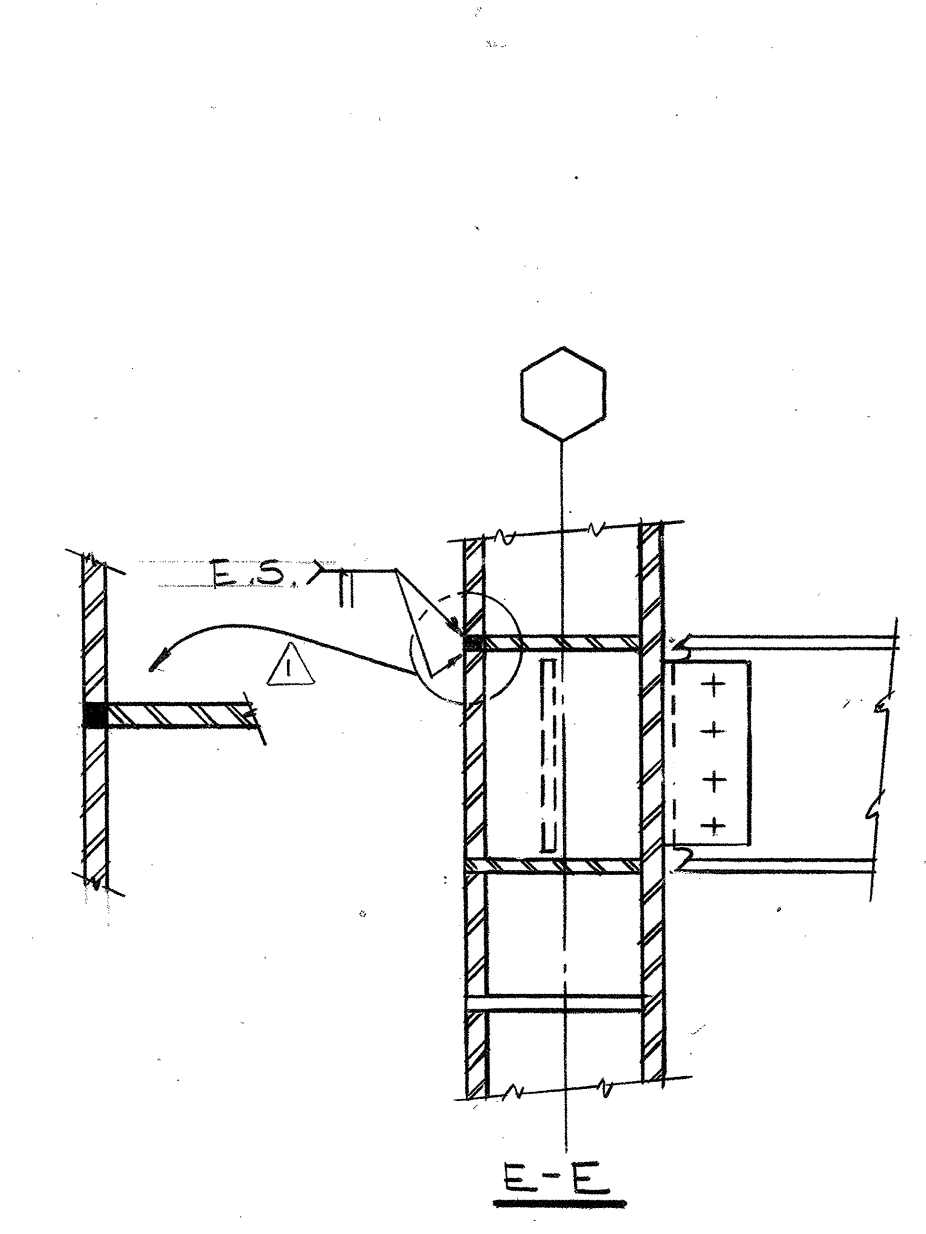
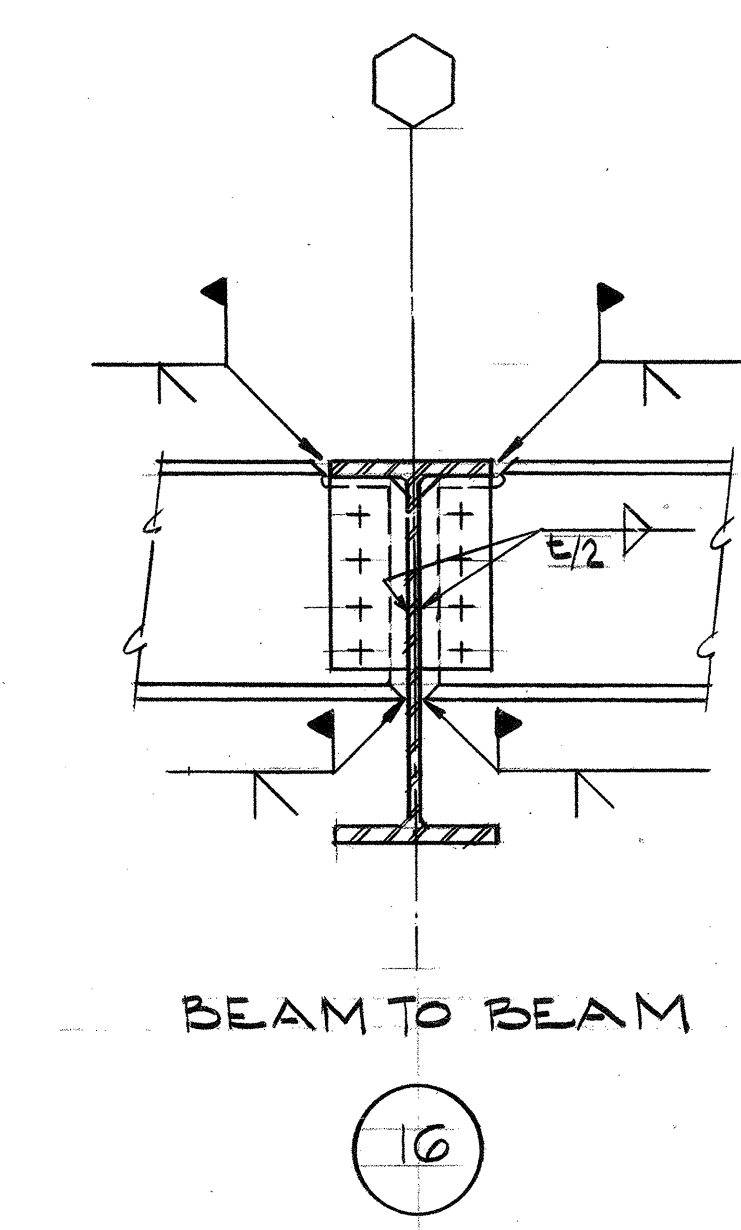


PLATE SCHEDULE

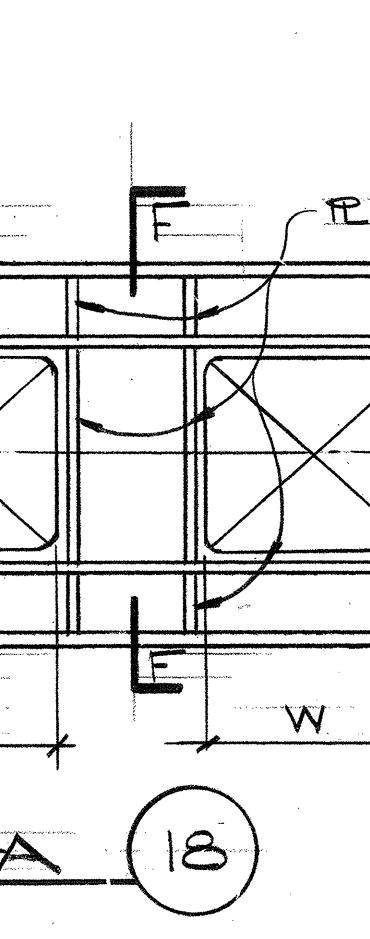
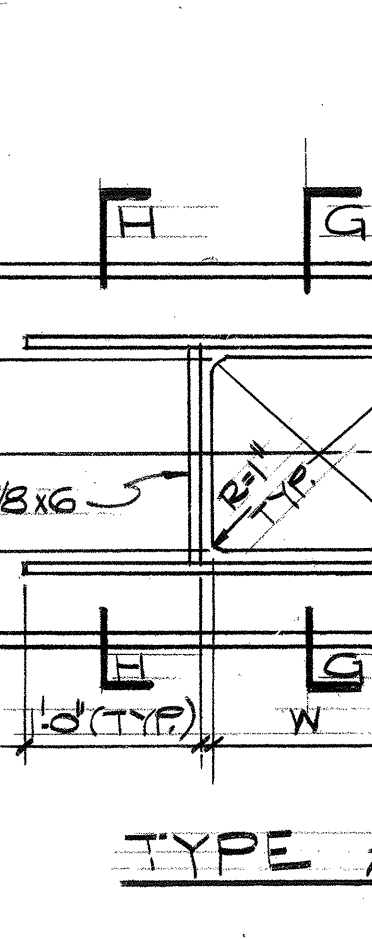
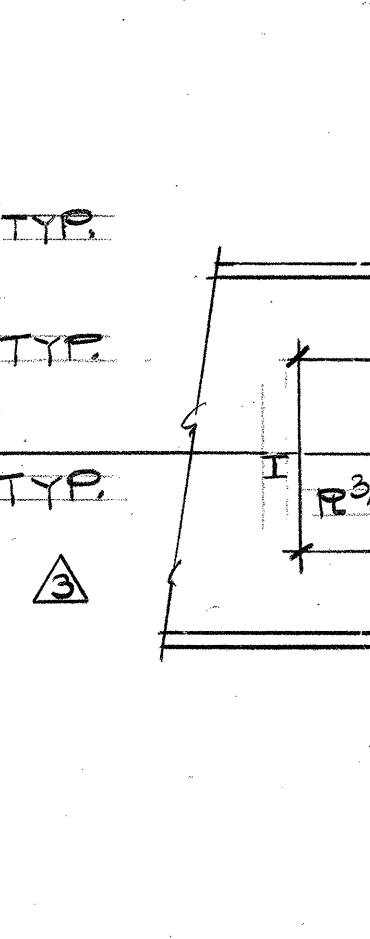
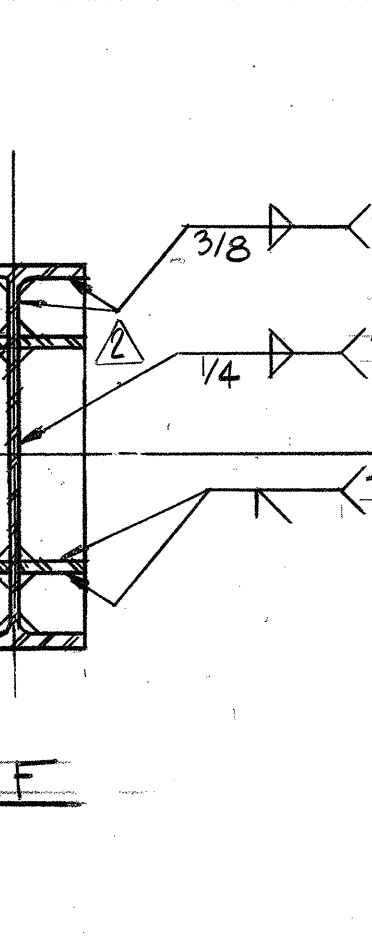
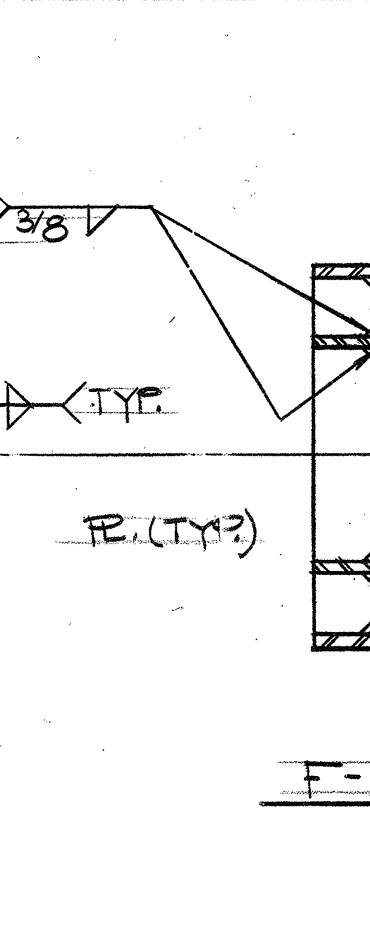
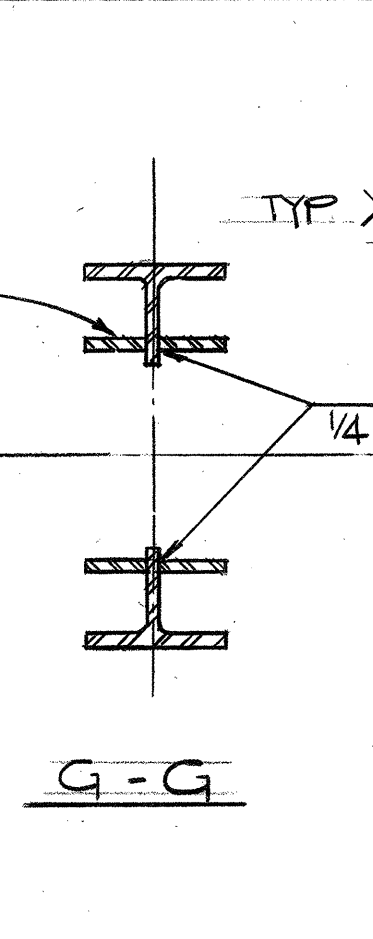
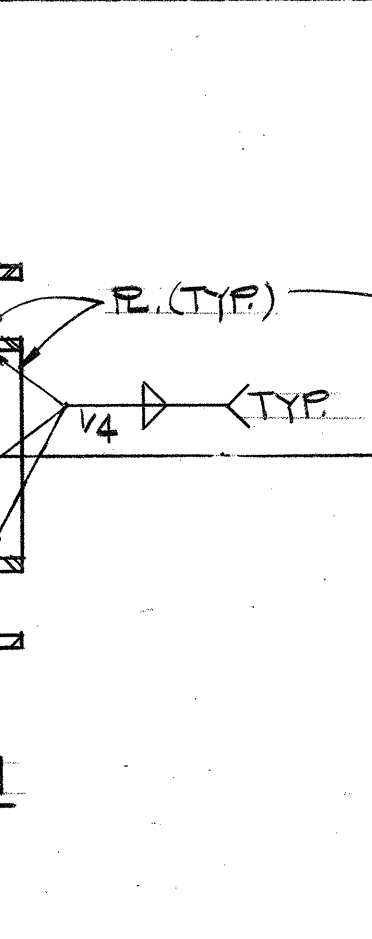
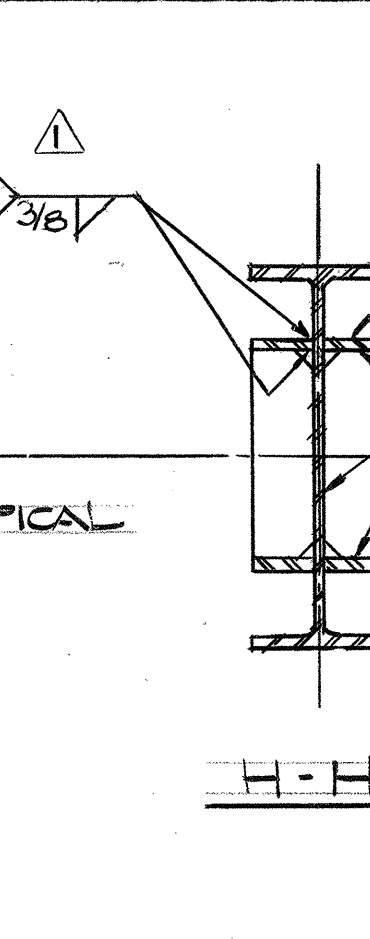
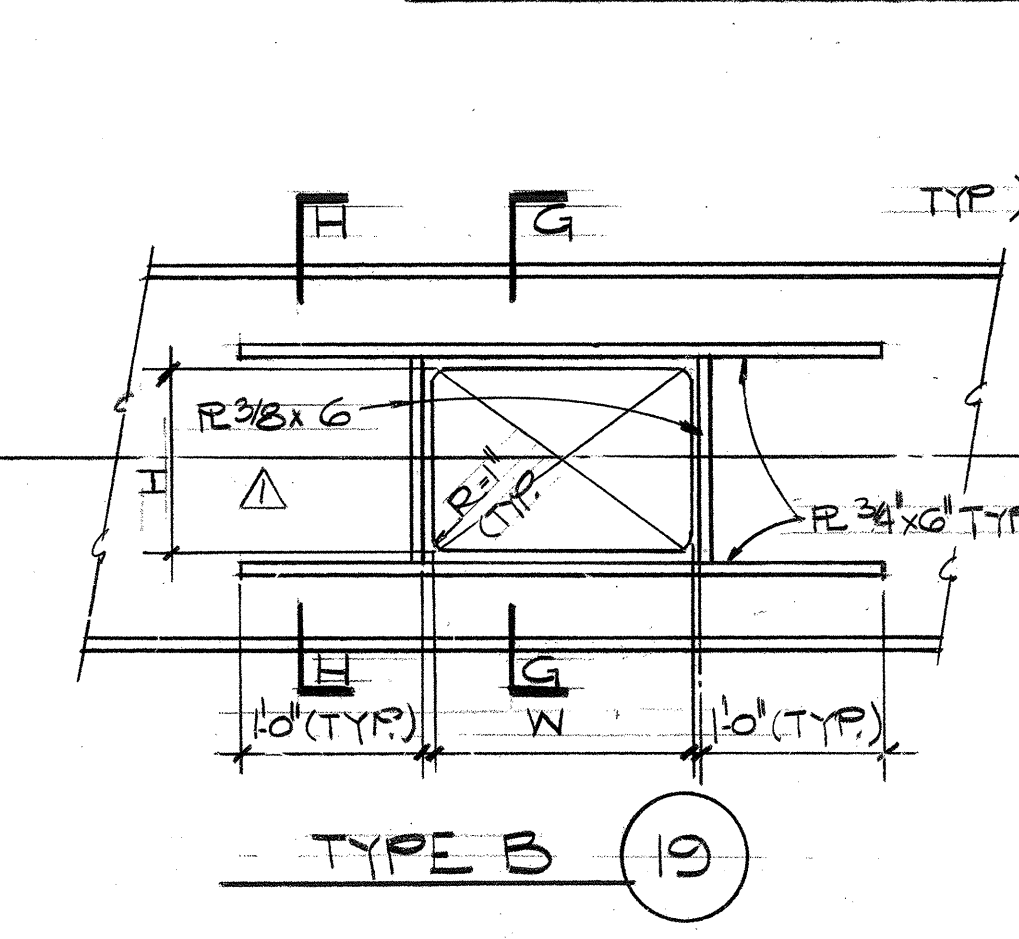
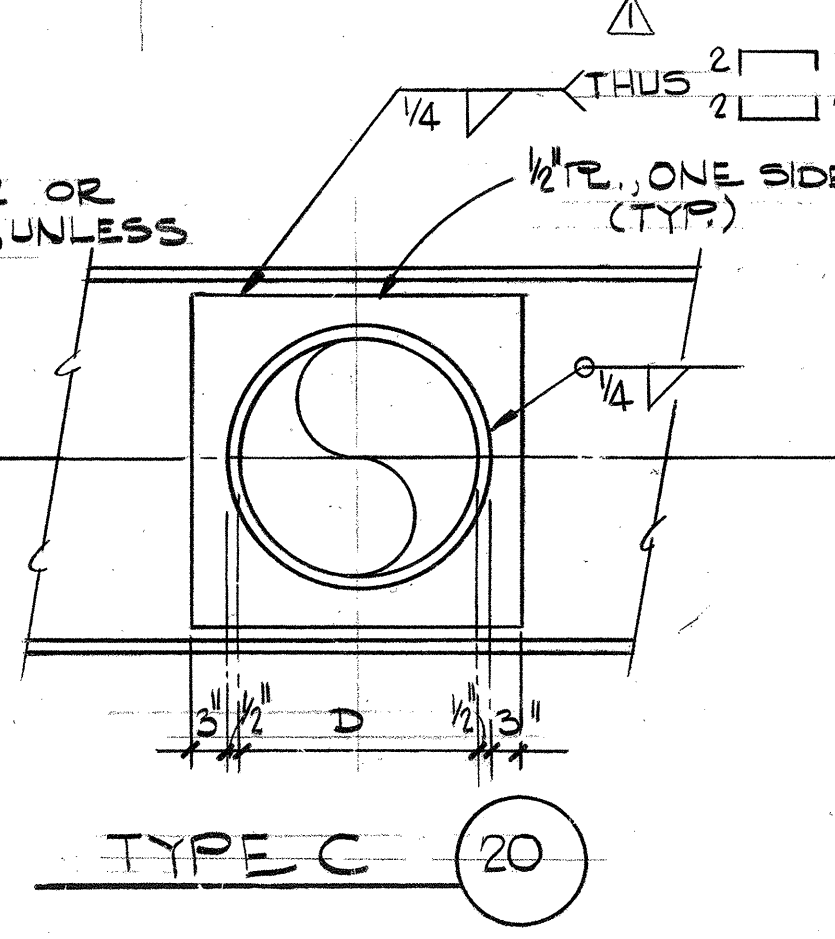
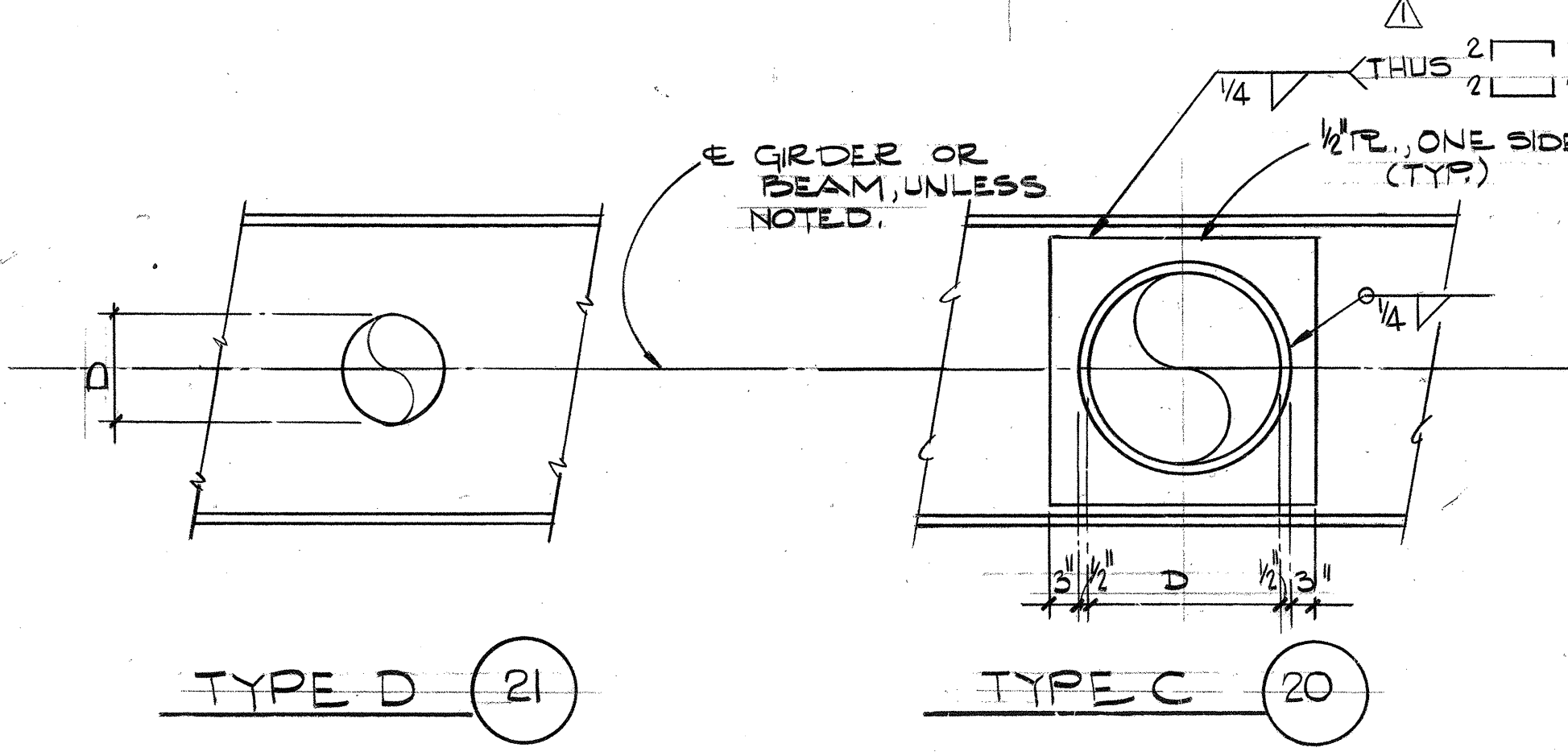
BEAM DEPTH d"	PLATE SIZE "A"	PLATE SIZE "B"
W10	5/8" x 3"	5/8" x 5"
W12	5/8" x 3"	5/8" x 5"
W14	5/8" x 3"	5/8" x 5"
W16	3/4" x 11"	3/4" x 7"
W18	3/4" x 11"	3/4" x 7"
W21	3/4" x 11"	3/4" x 7"
W24	3/4" x 11"	3/4" x 7"
W27	3/4" x 11"	3/4" x 7"
W30	1" x 15"	1" x 9"
W33	1" x 15"	1" x 9"
W36	1" x 15"	1" x 9"



TYPICAL SIMPLE, NON-MOMENT BEAM TO COLUMN CONNECTION DETAILS



TYPICAL BEAM TO COLUMN AND BEAM TO BEAM MOMENT CONNECTIONS



TYPICAL BEAM PENETRATIONS

BOLT SCHEDULE (A325-X)
NON MOMENT CONNECTION

BEAM DEPTH d"	TYPICAL
W8 & W10	2-7/8"
W12	2-7/8"
W14	3-7/8"
W16	3-7/8"
W18	4-7/8"
W21	5-7/8"
W24	6-7/8"
W27	6-1"
W30	7-1"
W33	8-1"
W36 x 135 - 210	9-1"
W36 x 230 - 300	10-1"

NOTE:
FOR W36 x 230 H.S. & ROOF D 23 TO D 25, F23 TO F25, D1 TO D3, F1 TO F3 USE 10 ASTM A490-X 11" BOLTS.

BOLT SCHEDULE (A325-X)
MOMENT CONNECTION

BEAM DEPTH d"	SPAN (CENTER TO CENTER OF COL.)	≥ 30'	20' - 30'	15' - 20'	≥ 12'
W10 x 15	3	3	3	3	2
W18 x 35	4	4	4	4	3
W21 x 44	5	5	5	5	4
W24 x 55	5	5	5	5	5
W24 x 62	5	5	5	5	5
W24 x 68	5	5	5	5	5
W27 x 84	6	6	6	6	6
W30 x 99	7	7	7	7	7
W30 x 105	7	7	7	7	7
W30 x 116	7	7	7	7	7+2
W30 x 124	7	7	7	7	7
W30 x 132	7	7	7	7	7+2
W30 x 141	7	7	7	7	7
W30 x 173	8	8	8+2	8+4	8
W33 x 152	8	8	8	8	8
W33 x 201	8	8	8+3	8+5	8
W36 x 160	9	9	9	9+2	9
W36 x 170	9	9	9	9+2	9
W36 x 182	9	9	9	9+2	9
W36 x 194	9	9	9	9+2	9
W36 x 210	9	9	9	9+2	9
W36 x 250	10	10	10	10+2	10

- MOMENT CONNECTION NOTES:
- CONTINUITY PLATES:
 - 3/8" THICK, EXCEPT AS FOLLOWS:
 - FOR BOX COLUMNS, EQUAL TO GIRDER FLANGE THICKNESS (THICKEST FLANGE JOINT) 1/2" THICK MINIMUM.
 - FOR TWO WAY FRAME COLUMNS, EQUAL TO GIRDER FLANGE THICKNESS + 1/4" WHERE GIRDER FRAMES TO COLUMN WEBS OR EQUAL TO GIRDER FLANGE THICKNESS WHERE GIRDER FRAMES TO COLUMN FLANGE, WHICHEVER IS GREATER, 1/2" THICK MINIMUM.
 - SHEAR PLATES:
 - EQUAL TO GIRDER WEB THICKNESS + 1/4" EXCEPT AS FOLLOWS,
 - EQUAL TO GIRDER WEB THICKNESS + 3/8" FOR W30x173, W33x201 AND W36x250
 - BOLTS:
 - 11" - A325X, SEE SCHEDULE.

Norwalk Building 43

Norwalk, California

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Jaros, Baum & Bolles
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New York, New York

Approved for the Owner by

Approved for the Architect by

Drawn by D. PALATAS Job Number 10203-700

Checked by Date

Revisions

No.	Revisions Indicated thus Δ:	Date
1	ISSUE FOR STRUCTURAL STEEL SCOPE BID	9-9-81
2	ISSUE FOR STRUCTURAL STEEL MILL ORDER APPENDUM NO. 1	9-23-81
3	ADDENDUM NO. 2	10-7-81
4	ISSUE FOR STRUCTURAL STEEL DETAILING APPENDUM NO. 4	10-12-81
5	ADDENDUM NO. 5	11-23-81
6	ADDENDUM NO. 15	1-15-82
7	ISSUED FOR PLAN CHECK	1-29-82
8	ADDENDUM NO. 26	2-24-82
9	ISSUE FOR DETAILING, APPENDUM NO. 28	3-9-82
10	ADDENDUM NO. 31	4-30-82
11	ISSUED FOR BUILDING PERMIT	5-11-82
12	ADDENDUM NO. 46	8-5-82
13	ISSUED FOR PLAN CHECK	8-5-82

KEY PLAN

Typical Steel Details 1

no scale

S 30