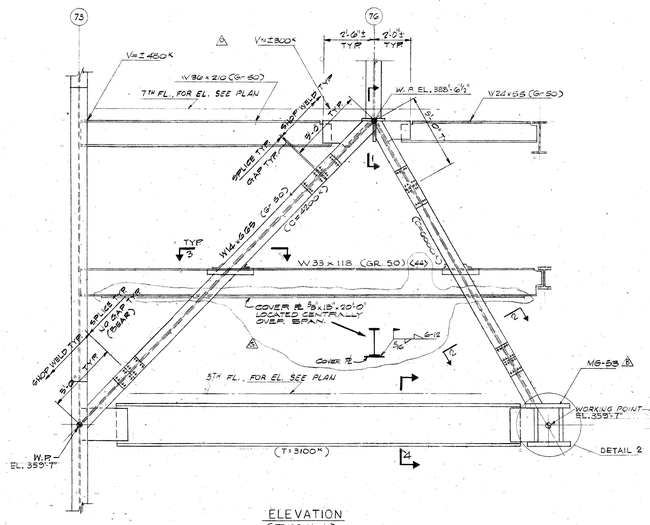
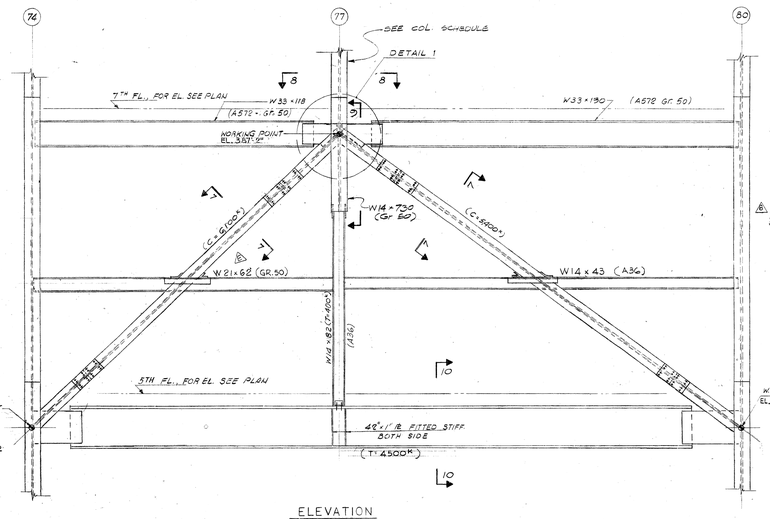
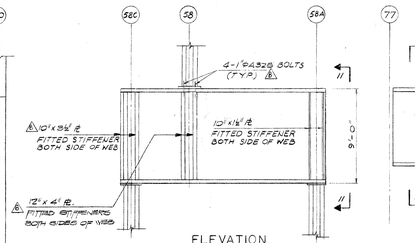


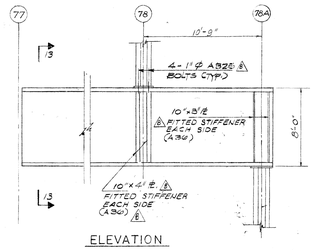
ELEVATION
(TRUSS NO 1)



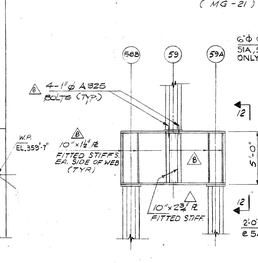
ELEVATION
(TRUSS NO 2)



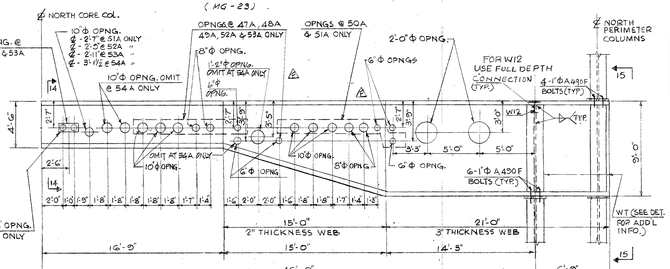
ELEVATION
(MG-21)



ELEVATION
(MG-23)

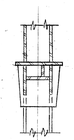


ELEVATION
(MG-22)

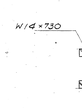


OPENINGS IN ALL MG 27
EXCEPT AS NOTED

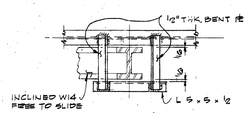
NOTE:
SEE DWG. S-24 FOR BM CUT REINF. DETAIL-USE 1" MIN. REINFORCING PLATES.



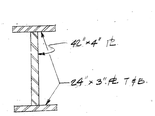
SECT. 1



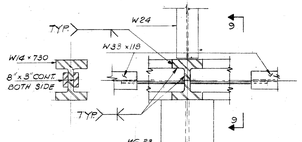
SECT. 2
(Gr 50)



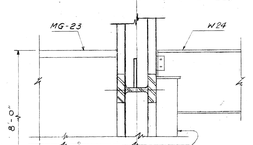
SECT. 3



SECT. 4
A572 GR. 42

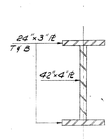


SECT. 7
(Gr 50)

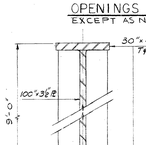


SECT 8
(ALL MATERIAL Gr 50)

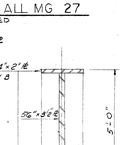
SECT 9



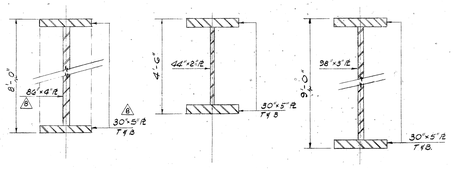
SECT. 10
A572 GR. 42



SECT 11



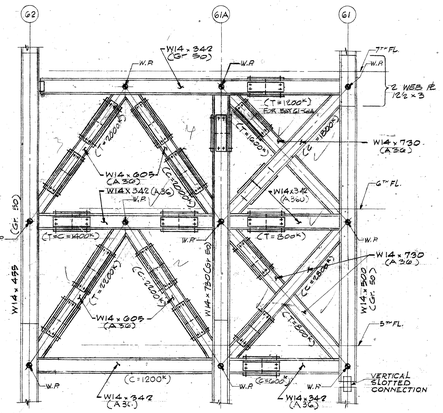
SECT 12



SECT. 13
A572 GR. 42 ⚠

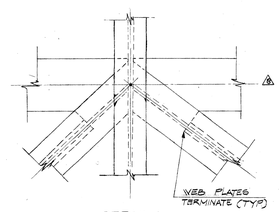
SECT. 14

SECT. 15

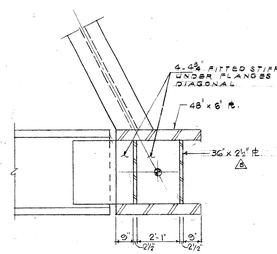


ELEVATION
(TRUSS N° 3)

NOTE: ℄ CONNECTIONS GIM. TO THOSE SHOWN IN DETS. ON DWG. S-20



DETAIL 1



DETAIL. 2

PLATE GIRDER SCHEDULE

MARK	FL.	REACTION N E S W	FLANGE PL	WEB PL	DEPTH		REMARK
MG-21	7TH	4700K 2220K	4"x30"	36"x100"	108"		A36
MG-22	7TH	1000K 2000K	2"x26"	36"x56"	60"		A36
MG-23	7TH	1900K 4000	5"x30"	4"x86"	96"		GR42
MG-58	5TH	4400K 2000K	6"x46"	2(⅞"x36")	48"		GR42
MG-27	7TH	4100K 1300K	5"x30"	VARIES	VARIES		A36
MG-51	5TH	240K 200K	6"x18"	2"x151"	271"		GR42
MG-52	5TH	580K 320K	3"x10"	2"x24"	301"		GR42
MG-29	2ND	250K 250K	4"x8"	1½"x30"	44"		A36 W10"x68" USED ON 2ND FLR.
MG-31	3RD	160K 160K	2"x7"	⅜"x32"	30"		GR50
MG-32	3RD	570K 325K	2"x22"	1"x30"	30"		GR50
MG-41	6TH	80K 75K	2"x26"	⅝"x27"	31"	⚠	GR50
MG-151	15TH	125K 155K	2"x 7"	⅝"x32"	32"		GR50
MG-51	6TH	200K 200K	16"x 3"	1"x 18"	24"		GR 42
MG-54	5TH	150K 240K	18"x 3"	1" x21"	27"		GR 42
MG-55	5TH	200K 300K	16"x 3½	1"x 25"	33"		GR 42
MG-24	7TH	30K 30K	12"x 2"	1"x14"	18"		GR 50
MG-25	7TH	100K 100K	16"x 2"	1"x14"	18"		GR 50
MG-26	7TH	200K 160K	18"x 2"	1"x14"	18"		GR 50
MG-28	7TH	40K 40K	7"x1½	⅜"x15"	18"		GR 50
MG-141	14TH	30K 30K	7"x1"	⅜"x13"	15"		GR 50
MG-142	14TH	50K 50K	10"x1"	15"x⅜"	15"		GR50
MG-152	15TH	190K 190K	7"x 5⅛	31"x 1"	38"		A36
MG-571	37TH & 38TH	105K 105K	7"x 2⅝	31"x 1"	36"		A 36

NOTE

1. PLATE GIRDER STIFFENERS SHALL BE FITTED STIFFENERS AND SHALL BE PROVIDED ON EACH SIDE OF WEB. STIFFENER SHALL BE ATTACHED TO WEB WITH MIN. 5/16" FILLET WELD ON EACH FACE OF STIFFENER.
2. MILL THE WEB PLATES OF BUILT UP GIRDERS SHOWN ON THIS DWG.
3. ⚠ FOR TYP. PLATE GIRDER DETAIL AND WELDING SEE DWG. S-26

LEGEND
(T+---) TENSILE FORCE
(C+---) COMPRESSIVE FORCE

ISSUED TO PORT AUTHORITY
1-15-85

⚠ RELEASED FOR INFORMATION 12-24-84
⚠ RELEASED TO FRANKEL STEEL 1-28-85
⚠ ADDED INFORMATION AS NOTED 2-15-85
⚠ REVISED AS NOTED 3-8-85

DATE	REVISIONS
8-2-85	⚠ ISSUED TO PORT AUTHORITY
9-10-85	⚠ ISSUED TO PORT AUTHORITY

TRUSS & GIRDER DETAILS

7 WORLD TRADE CENTER
47 STORY OFFICE BUILDING
BOUNDED BY
VESEY STREET AND BARCLAY STREET
WASHINGTON STREET AND WEST BROADWAY
NEW YORK NEW YORK

EMERY ROTH & SONS P.C.
ARCHITECTS
845 THIRD AVENUE NEW YORK, N.Y. 10022

THE OFFICE OF
IRWIN G. CANTOR, P.C.
STRUCTURAL ENGINEERS
919 THIRD AVENUE NEW YORK, N.Y. 10022

SYSKA & HENNESSY
ENGINEERS
11 WEST 42ND STREET NEW YORK, N.Y. 10036

DATE: SCALE:

DWG S-23