GIRDER SCHEDULE

MARK	SIZES WEB	SIZES FLANGES	END MOMENT LEFT K.F. PT.	END MOMENT RIGHT K.F. PT.	REMARKS
TG-1	36" x 1"	20" x 1"	—	—	3'-0" DEEP GIRDER
TG-2	36" x 1"	20" x 1"	3340	3671	
TG-3	36" x 7/8"	22" x 1"	3133	2950	
TG-4	36" x 7/8"	20" x 1"	2388	1400	
TG-5	36" x 7/8"	20" x 1"	2709	2317	
TG-6	36" x 1"	22" x 1"	4605	3966	
TG-7	36" x 1"	20" x 1"	2621	1164	
TG-8	36" x 1"	20" x 1"	—	1400	MOMENT AT COL. 24-9 ONLY
TG-9	46" x 1"	20" x 1"	—	—	4'-0" DEEP GIRDER
TG-10	36" x 1"	20" x 1"	2070	1306	
TG-11	36" x 7/8"	20" x 1"	—	1296	
TG-12	32" x 1 1/8"	22" x 1"	3980	1400	3'-6" DEEP GIRDER
TG-13	57 1/2" x 1"	20" x 1 1/2"	3984	—	
TG-14	60" x 1"	16" x 1"	4190	—	
TG-15	36" x 1"	22" x 1"	4205	4080	
TG-16	36" x 1"	20" x 1"	1700	4046	
TG-17	36" x 1"	20" x 1"	1400	1845	
TG-18	36" x 1 1/8"	20" x 1"	1400	2406	
TG-19	36" x 1 1/8"	20" x 1"	1600	1400	
TG-20	36" x 1"	20" x 1"	1400	1400	
TG-21	50" x 7/8"	16" x 1"	—	—	
TG-22	36" x 1"	20" x 1"	1400	2236	
TG-23	54" x 1"	22" x 1 1/2"	—	4177	
TG-24	48" x 1 1/4"	20" x 1 1/8"	—	—	4'-0" DEEP GIRDER
TG-25	32" x 1"	12" x 2"	—	—	2'-0" DEEP GIRDER
TG-26	97" x 1"	30" x 1"	3780	4446	
TG-27	36" x 1"	22" x 2"	3186	1400	
TG-28	87" x 1"	20" x 1"	—	—	
TG-29	36" x 1"	20" x 2"	4629	1600	
TG-30	37 1/2" x 1"	20" x 1"	—	—	
TG-31	87" x 1"	20" x 1"	—	—	
TG-32	87" x 1"	18" x 1"	—	—	
TG-33	36" x 1"	22" x 1"	—	—	
TG-34	84" x 1"	22" x 1"	—	—	
TG-35	36" x 1"	20" x 1"	—	—	
TG-36	108" x 1"	18" x 1"	—	—	5'-6" DEEP GIRDER
TG-37	36" x 1"	12" x 1"	—	—	W. HOOD W 24 COL. W-12 ONLY
TG-38	36" x 1"	20" x 1"	—	2004	

NOTE:
LEFT AND RIGHT END OF A GIRDER AS AT THE LEFT OR RIGHT OF AN OBSERVER FACING TOWARD TO READ THE GIRDER MARK IN PLAN

DETAIL 'a' (SIMILAR TO 'b')

DETAIL AT COLUMNS WITH FLANGES PARALLEL TO WEB OF GIRDER

PLAN

SECTION a-a

SECTION b-b

DETAIL 'b'

TYPICAL CONTINUOUS GIRDER DETAIL

TYPICAL GIRDER DETAIL CANTILEVER END

LOADING SCHEDULE

ITEM	AREAS OFFICE	TOILET & CORRIDOR	STAIR	MECH. ROOF	REMARKS
FLOOR SYSTEM	120	119	80	47	
FINISH	1	4	—	34	
CEILING	10	10	—	—	
PARTITIONS	10	20	—	—	
STEEL & F.P.	AS THEY OCCUR	AS THEY OCCUR	—	AS THEY OCCUR	
MECH.-ELEC.	15	15	—	20	
TOTAL D.L.	156	178	—	101	
LIVE LOAD	40	40	40	30	
TOTAL L.L.	196	218	100	131	

4TH FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

1. FINISHED FLOOR ELEVATION 570'-0"
2. TOP OF SLAB ELEVATION [0"] FROM FINISHED FLOOR ELEV. UNLESS NOTED THUS [ ].
3. TOP OF STEEL ELEV. (-8") FROM FINISHED FLOOR ELEVATION UNLESS NOTED THUS ( ).
4. D - INDICATES COL. ABOVE
5. C - INDICATES COL. BELOW
6. O - INDICATES COL. ABOVE & BELOW.
7. MFP - INDICATES MID FIRE PROOFING
8. → INDICATES DIRECTION OF METAL DECK.
9. Ⓐ - REVISED GIRDER MATERIAL A572-65 TO 2" INCLUSIVE AND A572-42 TO 4" INCLUSIVE
10. DECK SHALL BE U.S. DECK, INC. "LOK-FLOOR" 3" DEEP 16 GA.) EXCEPT AT ROOF AREAS (EAST EXTENSION) WHERE DECK IS 22GA.
11. ⓑ INDICATES VERTICAL REACTION IN KIPS FOR BEAMS NOT INDICATED ON MAIN ELEVATION DWG. S-15.
12. ADDITIONAL REINFORCING TO BE REQUIRED AT ALL OPENINGS, SEE DETAIL 7 ON DWG. S-15.

SEAM SLEEVE SCHEDULE

A - 14" WIDE x 10"-6IN SLOT @ 5'-0" BELOW CONC. FLOOR
B - 10" DIA. HOLE @ 5'-0" BELOW CONC. FLOOR
C - 8" DIA. HOLE @ 5'-0" BELOW CONC. FLOOR

DETAIL C-C

SECTION 1-1

SECTION 2-2

SECTION 5-5

SECTION 6-6

TYPICAL FLOOR & ROOF CONSTRUCTION - EAST EXTENSION

TYPICAL STUD DETAILS

TYPICAL FLOOR CONSTRUCTION TOWER AREA

SECTION 3-3
SECTION 4-4

WORLD TRADE CENTER HOTEL
THE WORLD TRADE CENTER
NEW YORK, NEW YORK

SKIDMORE, OWINGS & MERRILL
ARCHITECTS
220 EAST 42ND STREET, NEW YORK

TISHMAN & PICKWORTH
STRUCTURAL ENGINEERS
350 FIFTH AVENUE, NEW YORK

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
350 FIFTH AVENUE, NEW YORK

= LAT'L SYSTEM
4th FL to 3rd

NO.	DATE	REVISION
	5-20-70	ISSUED FOR FIRST AUTHORITY SUBMISSION
A	7-15-70	BULLETIN #15
A	8-24-70	BULLETIN #12
1	9-3-70	ISSUED TO PORT AUTHORITY
A	10-6-70	SEE BULLETIN # 11
A	10-30-70	SEE BULLETIN # 13
A	11-17-70	SEE BULLETIN # 16
	11-24-70	ISSUED TO PORT AUTHORITY
A	12-8-70	SEE BULLETIN # 15
A	2-26-71	ISSUED FOR BASE WATER-PROOFING ONLY
	3-26-71	
A	5-6-71	GENERAL REVISIONS
	5-10-72	ISSUED FOR STRUCTURAL STEEL ONLY
	7-28-72	ISSUED FOR INFORMATION ONLY.

4TH FLOOR FRAMING PLAN
AS-BUILT DWGS

DRAWING NO. S-4

S-71-900

RECEIVED
NOV 19 1992

5' dup

LESLIE E. ROBERTSON ASSOCIATES
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