SEE DWG. S-26 FOR COLUMN BRACING DETAILS

A366 over W14-311, EL+335-3 1/16.

TRUSS ABOVE

SEE FW1 & FW5 FOR FIELDWORK ON EXIST. COL LINE

FOR FIELD WORK SEE DETAIL A

SPLICE NEW BEAM TO EXISTING BEAM (Ex End) W27x94 (EL. 334'-1)

NEW 6" CONC. SLAB #4@12 E.W. Bott.

Ex. W27x94 (EL. 334'-4)

CONNECT INTO EXIST. BM. WITH 1" FIN. PL.

HGR (CLEAR EXIST) (TYP.) BRACE TYP.

BRACKET A513

W5x19 N.F.P. (-) D209E (-)

W24x76 W16x31 C220 A206 MG 31

W24x55 A226 W21x50 (30) D219 W24x55 A212

W24x84 "WG" W27x84 "WG" B244 C244 D244 P244 G244

W24x84 "WG" (EL. 332'-10) M244 N244

W30x108 A251 W33x118 A252 W36x150 A253 W36x160 A254

W14x99 W14x82 W14x68 W14x53 W14x43 W14x38 W14x30 W14x22

W12x35 W12x19 W12x14 W12x26 W12x22 W12x16 W12x30

W18x35 (B544) W18x40 W18x50 W18x55 W18x60 W18x65 W18x71 W18x76 W18x86 W18x97 W18x106 W18x114 W18x119 W18x130 W18x143

W24x55 W24x62 W24x68 W24x76 W24x84 W24x94 W24x103 W24x117 W24x131 W24x146 W24x162 W24x176 W24x192 W24x207 W24x229

W27x84 W27x94 W27x102 W27x114 W27x129 W27x146 W27x161 W27x178 W27x194 W27x217 W27x235 W27x258 W27x281 W27x307 W27x336

W30x90 W30x99 W30x108 W30x116 W30x124 W30x132 W30x148 W30x173 W30x191

W33x118 W33x130 W33x141 W33x152 W33x169 W33x201 W33x221 W33x241

W36x135 W36x150 W36x160 W36x182 W36x194 W36x210 W36x230 W36x256 W36x282 W36x300 W36x328 W36x359 W36x395 W36x441 W36x487 W36x529 W36x652 W36x723 W36x798 W36x848

W14x193 A405

Ex. W27x94 (EL. 334'-4)

Cut Ex. W27x94

ERECTOR NOTE: Ex. W27 TO BE SUPPORTED WHILE LS WELDED AS SHOWN

3d Ret. @ Top

2-L 5"x4"x1/2 P405x

DETAIL "H"

2-PL C594 (1 ins 1-FIS)

W18x35 (B544)

WASHER PL D594 OVER SLOTS.

W36 (EXISTING)

DETAIL "A"

C544

K594

W12x35 (C544)

12" CONC. SLAB

EXISTING W14x111

W14x730

VIEW H-H

FILL RATHOLE AFTER COMPLETING WELD TO K594

2-L 3 B594

NEW BEAM W27x94 A544x

EXISTING COLUMN

A594-FIS

W14x730 W/ SIDE PL 2"x4

CUT EXISTING BEAM TRUE AND SQ. FOR FIELD WELDINGS

VIEW C-C

ERECTORS NOTE: COMPLETE FIELD WELDINGS BEFORE ERECTION OF BEAM A366 OVER.

B594

SECT^N K-K

ERECTOR NOTE FOR FIELDWELDING TO BEAM A366 SEE (1 FW17) (2 FW17) (3 FW17)

W27 W24 W24 W27

334'-0 W12x19 W12x19 334'-0

W14x43 (HANGER)

SECT^N A-A

SECTION B-B

BRACING W/PS MOVED SEE FW7G

SEE FW3

W24x76 W16x31 C220 A206 MG 31

W24x84 "WG" W27x84 "WG" B244 C244 D244 P244 G244

W24x84 "WG" (EL. 332'-10) M244 N244

W30x108 A251 W33x118 A252 W36x150 A253 W36x160 A254

W14x99 W14x82 W14x68 W14x53 W14x43 W14x38 W14x30 W14x22

W12x35 W12x19 W12x14 W12x26 W12x22 W12x16 W12x30

W18x35 (B544) W18x40 W18x50 W18x55 W18x60 W18x65 W18x71 W18x76 W18x86 W18x97 W18x106 W18x114 W18x119 W18x130 W18x143

W24x55 W24x62 W24x68 W24x76 W24x84 W24x94 W24x103 W24x117 W24x131 W24x146 W24x162 W24x176 W24x192 W24x207 W24x229

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W14x193 A405

W27x84 CONNECT TO EXIST. COLUMN

BRACE 2 JL 3 1/2 x 3 1/2 x 5/16

SEE DWG. S-25 FOR COLUMN BRACING DETAILS

FOR FIELD WORK SEE DRWG. FW2

SEE FW3 FOR FIELD WORK

SEE DWG. S24A FOR EBCAL SUPPORT DETAIL

FOR TUBULAR BRIDGE SEE CONTR. B4-155

ERECTOR NOTE (4) FOR FIELD WELDING SEE FIELDWORK DWGS LISTED BELOW

FIELDWORK DWG #	DETAIL #
FW1B	1. 2. 3
FW17	1. 2.
FW10	

NOTES

1. SLAB TO BE 6" (5" + 3") THICK STONE CONCRETE HAVING A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, PLACED OVER 3" DEEP 20 GAUGE COMPOSITE METAL DECK REINFORCED WITH 6x6 - W1.4 x W1.4 W.W.F. U.O.N.
2. TOP OF NEW STEEL TO BE AT ELEVATION 334'-0" U.O.N. ON PLAN THUS (----).
3. ALL BEAMS SHALL BE ASTM A-572, GRADE 50 STEEL U.O.N. ALL W5x19 BEAMS & STANDARD BRACE BEAMS W12x19 (333'-10) SHALL BE ASTM A36 STEEL.
4. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE DWGS. S-24 AND S-24A. FOR SUBSTRUCTURE GENERAL NOTES SEE DWG. S-20.
5. WIND GIRDER INDICATED "WG" ON PLAN AND SHALL BE OF ASTM A-36 STEEL. FOR FORCES ON EXTERIOR WIND GIRDERS, SEE DWGS. S-19 AND S-20. FOR FORCES ON INTERIOR WIND GIRDERS, SEE DWG. S-21.
6. FLOOR SLAB SHALL BE SHORED AS PER MANUFACTURER'S REQUIREMENTS
7. FOR WALL SUPPORT PL'S AT ELEVATORS SEE SECTS. ON E2 (9)
8. FOR SIZES OF PL GIRDERS INDICATED 'MG' SEE DWG E123 (5)

3RD FLOOR FRAMING PLAN

SECT. D-D

VIEW G-G

LEGEND

- EXISTING COLUMN BELOW
- NEW COLUMN
- TRUSS MEMBER
- COLUMN OR TRUSS MEMBER ABOVE
- NEW STEEL
- EXISTING STEEL
- EXISTING STEEL REMOVED
- H INDICATES HANGER
- (---) INDICATES SHEAR CONNECTORS
- [---] INDICATES CAMBER
- --B-- NEW BRACING
- N.F.P. INDICATES NO FIREPROOFING

CUSTOMERS DRAWING 53

NO.	DATE	BY	DESCRIPTION OF REVISION
11	DEC 3/84	SF	FIELD WORK NOTE ADDED (x59) FOR GENERAL NOTES SEE DIAG E20
10	JUN 8	JJH	SECT. G-G WELD ADDED & FW7G NOTES (x10)
9	NOV 13/84	JJH	NOTE #7 & SECTS + E2
8	APR 25/84	GK	FIELDWORK REF. ADDED
7	MAR 16/84	BJB	MARKS & FIELDWORK DETAILS ADDED
6	FEB 15/84	BJB	REVISED TO SUIT APPROVAL
5	FEB 7/84	BJB	REV. AS PER CUST REV C x2
4	JAN 19/84	BJB	REVISED AS PER APPROVAL SEPIA
3	JAN 3/84	BJB	GENERAL REVISIONS X4
2	DEC 19/83	AGS	COLS 44A & 57A NOTED BY OTHERS
1	DEC 1/83	BJB	CUSTOMERS GENERAL REVISION X2

July 2/85 E
May 24/85 E
May 1/85 E
Apr 22/85 E
Apr 9/85 E

3RD FLOOR FRAMING PLAN
7 WORLD TRADE CENTER — CUSTOMER
TISHMAN CONSTRUCTION
EMERY ROTH & SONS P.C. — ARCHITECT
IRWIN G. CANTOR P.C. — ENGINEER

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE UNIT 1 REXDALE, ONTARIO M9W 5B2

SQUAD F.R
MADE BY , DATE , CHKD. BY , DATE
CONT. No. 84-15 SHEET E3