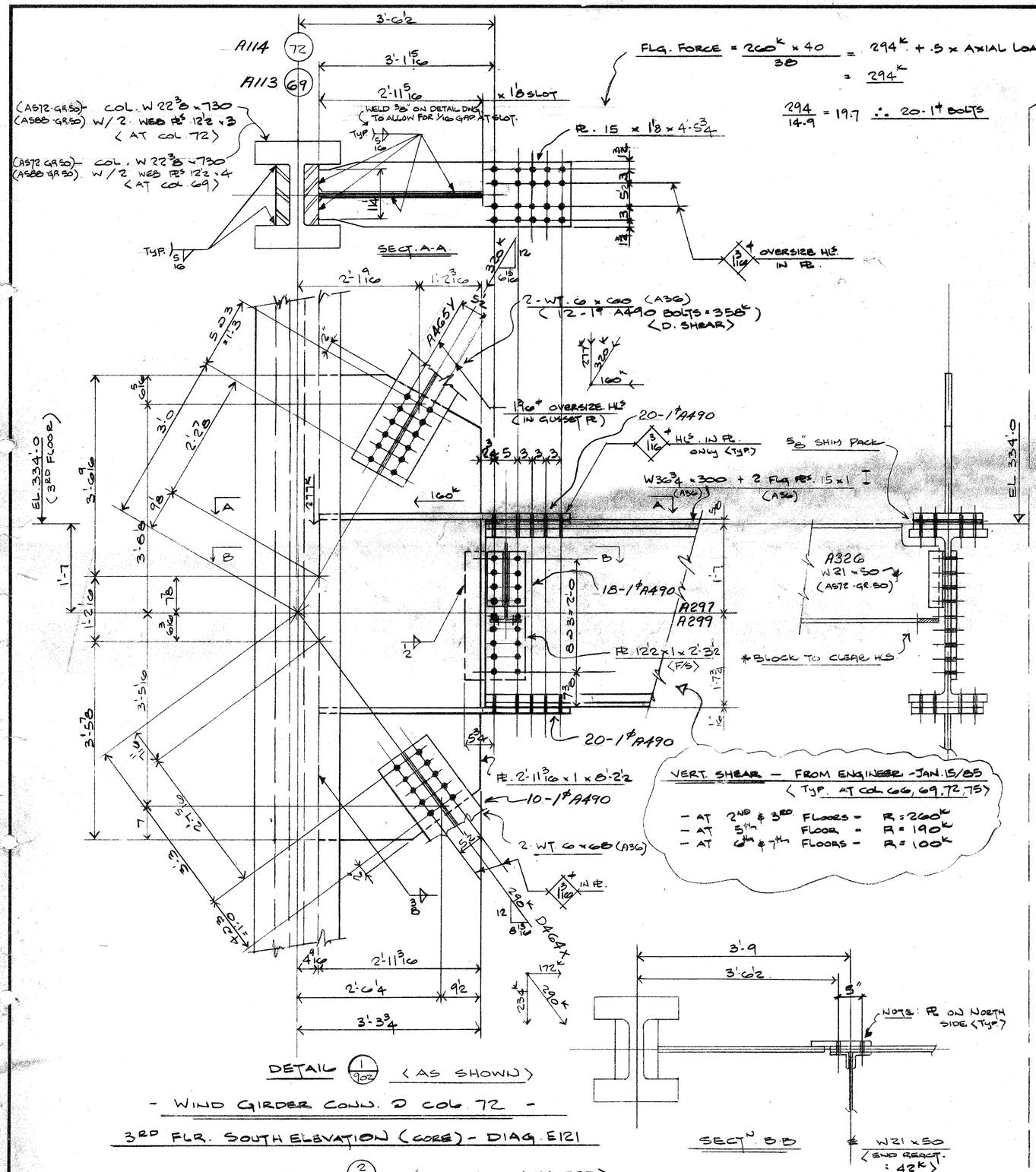


FLG. FORCE = $\frac{260^K \times 40}{30}$ = 294^K + .5 x AXIAL LOAD (40^K)
= 294^K

$\frac{294}{14.9}$ = 19.7 ∴ 20-1" BOLTS

VERT. SHEAR — FROM ENGINEER - JAN. 15/85
(TYP. AT COL. 66, 69, 72, 75)

- AT 2ND & 3RD FLOORS = R = 260K
- AT 5TH FLOOR = R = 190K
- AT 6TH & 7TH FLOORS = R = 100K

DETAIL (1/902) (AS SHOWN)

- WIND GIRDER CONN. @ COL. 72 -

3RD FLR. SOUTH ELEVATION (CORE) - DIAG. E121

DETAIL (2/902) (OPP. HAND & NOTED)

- WIND GIRDER CONN. @ COL. 69 -

* NOTE: COL - SIZE VARIES
SYMMETRICAL ABT. & COL.

BOLTS 1" A490
DETAIL MAT'L G40.21 (44W)

REVISED			
DATE	BY	OPEN HOLES	1 1/16" U/N
DATE	BY	PAINT	NONE
DATE	BY	ERECTED BY	
DATE	BY	FIELD PAINT	
DATE	BY	INSPECTION	

7 WORLD TRADE CENTER.
LAYOUT AT COL'S 72 & 69 ELEV. 334'-0
TISHMAN CONSTRUCTION — CUSTOMER
EWERT ROTH & SONS P.C. — ARCHITECT
IRWIN G. CANTOR P.E. — ENGINEER

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE UNIT 1 REXDALE, ONTARIO M9W 5B7

SQUAD F.R.
MADE BY K&N DATE JAN/85 CHKD. BY DI DATE FEB 85
CONT. No. 84-15 SHEET 902