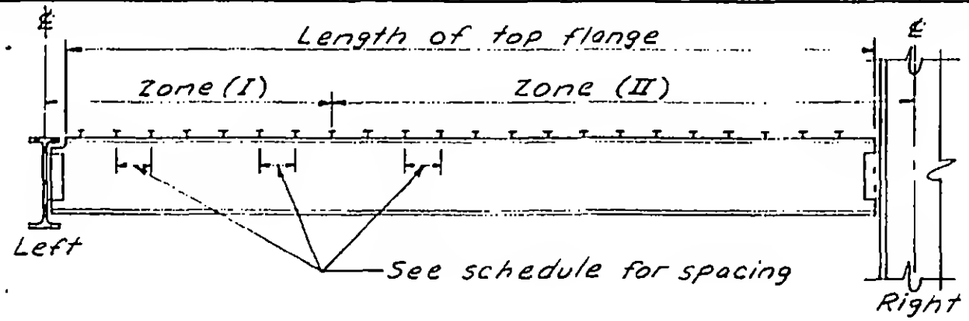
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER | TITLE SCHEDULE FOR SHEAR CONNECTOR | DATE 9-20-68

REVISIONS



SCHEDULE "C"

For beams where point of max. moment is not at ℄ of span

Beam No.	Stud Size	ZONE (I) Length	No. Of Rows	Total No. Of Studs	ZONE (II) Length	No. Of Rows	Total No. Of Studs
401	¾ϕ x 3"	20'-0"	2	88	10'-0"	3	87
402	¾ϕ x 3"	8'-8"	3	90	21'-4"	2	90
403	¾ϕ x 3"	9'-0"	3	87	15'-0"	2	88
404	¾ϕ x 3"	18'-0"	2	86	12'-0"	3	87
405	¾ϕ x 3"	17'-5"	2	76	10'-0"	3	78
406	¾ϕ x 3"	15'-0"	2	58	12'-6"	3	57
407	¾ϕ x 3"	20'-0"	2	90	10'-0"	3	90
408	¾ϕ x 3"	10'-5"	3	90	19'-7"	2	88
409	¾ϕ x 3"	10'-5"	3	84	19'-7"	2	84
410	¾ϕ x 3"	23'-0"	2	76	7'-0"	3	78
411	¾ϕ x 3"	23'-0"	2	84	7'-0"	4	84
412	¾ϕ x 3"	20'-0"	2	84	10'-0"	3	84
413	¾ϕ x 3"	4'-6"	5	75	25'-6"	2	76
414	¾ϕ x 3"	22'-0"	2	86	8'-0"	3	87
415	¾ϕ x 3"	12'-6"	3	87	17'-6"	2	86
416	¾ϕ x 3"	12'-3"	2	76	7'-9"	3	75
417	¾ϕ x 3"	17'-0"	2	68	13'-0"	2	68
418	¾ϕ x 3"	9'-3"	3	63	18'-9"	2	64
419	¾ϕ x 3"	9'-0"	3	87	22'-6"	2	86
420	¾ϕ x 3"	18'-0"	2	86	10'-6"	3	87

Beam No.	Stud Size	ZONE (I) Length	No. Of Rows	Total No. Of Studs	ZONE (II) Length	No. Of Rows	Total No. Of Studs
421	¾"ϕ x 3"	10'-0"	3	87	20'-0"	2	86
422	¾"ϕ x 3"	4'-6"	5	85	25'-6"	2	86
423	¾"ϕ x 3"	10'-0"	3	69	20'-0"	2	68
424	¾ϕ x 3"	7'-6"	4	88	22'-6"	2	88
425	¾ϕ x 3"	7'-6"	4	84	22'-6"	2	84
426	¾"ϕ x 3"	22'-0"	2	76	8'-0"	3	75
427	¾"ϕ x 3"	12'-6"	4	88	17'-6"	2	88
428	¾"ϕ x 3"	5'-8"	4	68	24'-4"	2	68
429	¾"ϕ x 3"	21'-0"	2	84	9'-0"	3	84
430	¾"ϕ x 3"	11'-0"	4	88	19'-0"	2	88
431	¾"ϕ x 3"	10'-0"	3	75	20'-0"	2	76
432	¾"ϕ x 3"	24'-6"	2	86	5'-6"	5	85
433	¾"ϕ x 3"	17'-0"	2	90	13'-0"	3	90
434	¾"ϕ x 3"	17'-0"	2	76	13'-0"	3	75
435	¾"ϕ x 3"	18'-6"	2	66	9'-6"	3	87
436	¾"ϕ x 3"	21'-0"	2	88	9'-0"	4	88
437	¾"ϕ x 3"	11'-6"	3	90	18'-6"	2	90
438	¾"ϕ x 3"	11'-6"	3	75	18'-6"	2	76
439	¾"ϕ x 3"	15'-0"	2	76	10'-0"	3	78

Note:
See notes on 12-JK2-20 for further description of studs.

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34360 — UNIVERSITY OF THE STATE OF NEW YORK

DESIGNED

DRAWN

REVIEWED

12-JK2-19