



TYPICAL BEAM ELEVATION
FOR DIMENSIONS NOT SHOWN & COVER PLATE SIZES, SEE 'TABLE I'
SCALE: 1/16" = 1'-0"

TABLE I

STRINGER LINE	DIMENSIONS (GIVEN ALONG ± BEAM)												SHEAR CONNECTOR SPACING										COVER PLATE SIZE - FOR COVER PLATE DETAIL, SEE SH. 63.									
	A-A	B-B	C-C	D-D	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	COV. PL. 'A'	COV. PL. 'B'	COV. PL. 'C'	COV. PL. 'D'	COV. PL. 'E'
5	396'-9 1/2"	77'-0"	77'-0"	87'-10 1/2"	16'-6"	17'-6"	15'-0"	24'-0 1/2"	17'-0 1/2"	14'-6"	7'-6"	11'-0"	11'-0"	14'-9 1/2"	12'-9 1/2"	9'-9 1/2"	4'-9 1/2"	3'-0"	4'-4 1/2"	12'-9 1/2"	13'-9 1/2"	11'-9 1/2"	4'-9 1/2"	8'-9 1/2"	8'-9 1/2"	20'-9 1/2"	11'-9 1/2" x 36'-0"	11'-9 1/2" x 18'-0"	11'-9 1/2" x 15'-0"	11'-9 1/2" x 15'-0"	11'-9 1/2" x 22'-0"	11'-9 1/2" x 22'-0"

TABLE II

DIAPH.	LENGTH	NO. REQ'D	DIAPH.	LENGTH	NO. REQ'D	DIAPH.	LENGTH	NO. REQ'D	DIAPH.	LENGTH	NO. REQ'D
D	7'-4"	10	D15	8'-4 1/2"	1	D30	8'-11 1/2"	1	D49	7'-4 1/2"	1
D1	9'-0 1/2"	3	D16	8'-4 1/2"	1	D31	8'-1 1/2"	2	D50	7'-3 1/2"	1

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TOP/WF ELEVATIONS - UNIT 'E'

STRINGER LINE LOCATION	EAST BOUND ROADWAY								WEST BOUND ROADWAY							
	5	57	58	59	60	61	17		18	62	63	64	65	66	67	76
PIER 11 - ± W. BRG.	627.974	628.091	628.237	628.334	628.381	628.308	628.219		628.219	628.308	628.391	628.345	628.237	628.070	627.924	627.889

** LENGTH GIVEN IS ± TO ± BEAMS ON THE HORIZONTAL.

NOTE:
FOR BILL OF MATERIAL, SEE SH. 71.

ILLINOIS DIVISION OF HIGHWAYS
 SOUTHWEST EXPRESSWAY
LAWDALE AVE. VIADUCT
 STEEL DETAILS-UNIT 'E'
 SCALE: AS NOTED DATE 11-25-63