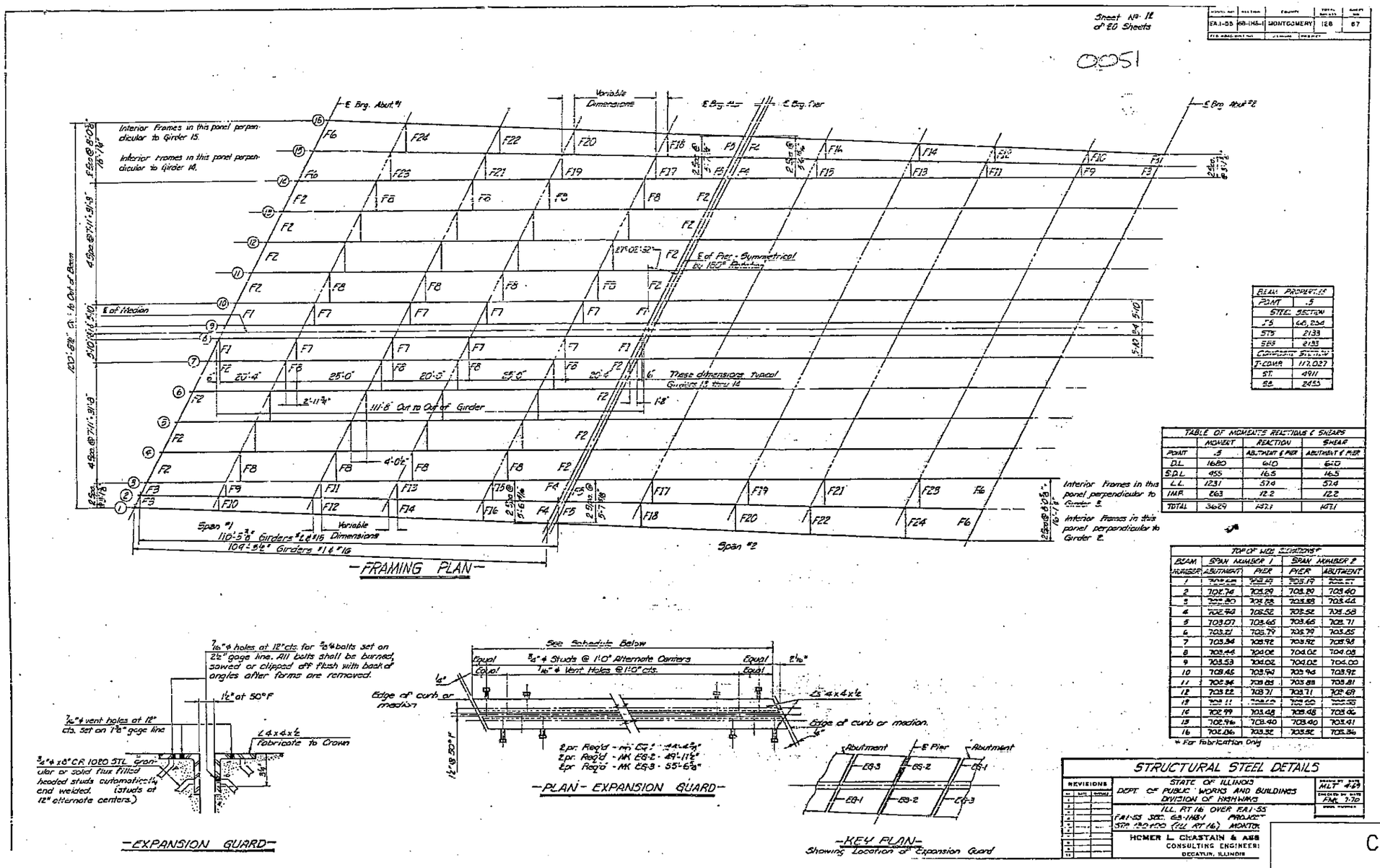
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 7 OF 9

CONTRACT 72A27



BEAM PROPERTIES	
POINT	.5
STEEL SECTION	
J.S.	68,254
STS	2133
SBS	2133
COMPOSITE SECTION	
T-COMP.	117,027
ST.	4911
SB.	2455

TABLE OF MOMENTS REACTIONS & SHEARS			
	MOMENT	REACTION	SHEAR
POINT	.5	ABUTMENT & PIER	ABUTMENT & PIER
D.L.	1680	61.0	61.0
S.D.L.	455	16.5	16.5
L.L.	1231	57.4	57.4
IMP.	263	12.2	12.2
TOTAL	3629	147.1	147.1

TOP OF WEB ELEVATIONS*				
BEAM NUMBER	SPAN NUMBER 1 ABUTMENT	SPAN NUMBER 1 PIER	SPAN NUMBER 2 PIER	SPAN NUMBER 2 ABUTMENT
1	[illegible]	[illegible]	703.19	[illegible]
2	702.74	703.29	703.29	703.40
3	702.80	703.28	703.38	703.44
4	702.94	703.52	703.52	703.58
5	703.07	703.65	703.65	703.71
6	703.21	703.79	703.79	703.85
7	703.34	703.92	703.92	703.98
8	703.44	704.02	704.02	704.08
9	703.53	704.02	704.02	704.00
10	703.45	703.94	703.94	703.92
11	703.34	703.85	703.88	703.81
12	703.22	703.71	703.71	703.69
13	[illegible]	[illegible]	[illegible]	[illegible]
14	702.99	703.48	703.48	703.46
15	702.96	703.40	703.40	703.41
16	702.86	703.32	703.32	703.36

* For Fabrication Only

STRUCTURAL STEEL DETAILS

REVISIONS

STATE OF ILLINOIS
DEPT. OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

ILL. RT 16 OVER FA1-55
FA1-55 SEC. 68-1H&1 PROJECT
STR 130+00 (ILL RT 16) MONTGO

HOMER L. CHASTAIN & ASS
CONSULTING ENGINEERS
DECATUR, ILLINOIS

MLT 4-69
FML 7-70

C-96-012-06

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
(NOT TO SCALE)