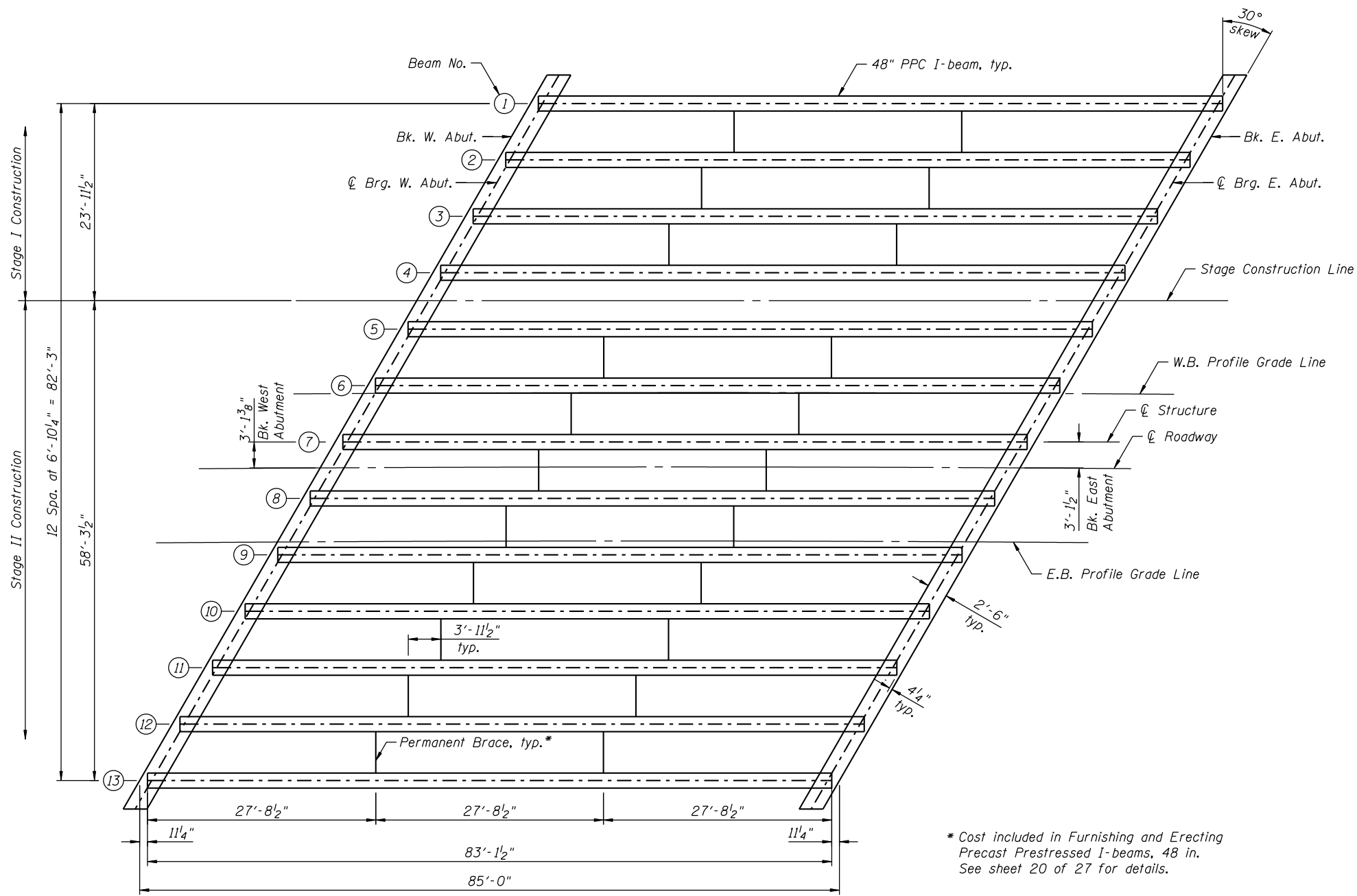


FILE NAME = s:\p1\6380--6395\6346\023\micro\sh\str_plans\0470301-60132-013-FRAME.dgn



FRAMING PLAN



INTERIOR BEAM MOMENT TABLE		
0.5 Sp.		
I	(in ⁴)	144117
I'	(in ⁴)	391313
S_b	(in ³)	6384.1
S_b'	(in ³)	11185.4
S_t	(in ³)	5355.1
S_t'	(in ³)	30064.7
$DC1$	(k/')	1.32
M_{DC1}	(k)	1110.84
$DC2$	(k/')	0.301
M_{DC2}	(k)	253.69
DW	(k/')	0.27
M_{DW}	(k)	226.72
$M_{\xi} + IM$	(k)	1346.57

INTERIOR BEAM REACTION TABLE		
Abut.		
R_{DC1}	(k)	54.11
R_{DC2}	(k)	12.36
R_{DW}	(k)	11.05
$R_{\xi} + IM$	(k)	93.37
R_{Total}	(k)	248.4

- I : Non-composite moment of inertia of beam section (in.⁴).
- I' : Composite moment of inertia of beam section (in.⁴).
- S_b : Non-composite section modulus for the bottom fiber of the prestressed beam (in.³).
- S_b' : Composite section modulus for the bottom fiber of the prestressed beam (in.³).
- S_t : Non-composite section modulus for the top fiber of the prestressed beam (in.³).
- S_t' : Composite section modulus for the top fiber of the prestressed beam (in.³).
- $DC1$: Un-factored non-composite dead load (kips/ft.).
- M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).
- $DC2$: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW : Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- $M_{\xi} + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).