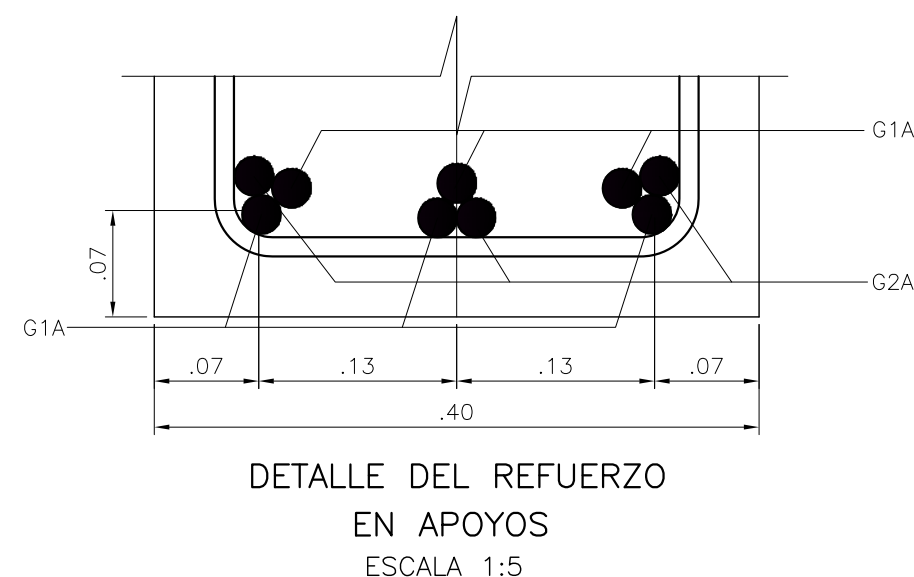
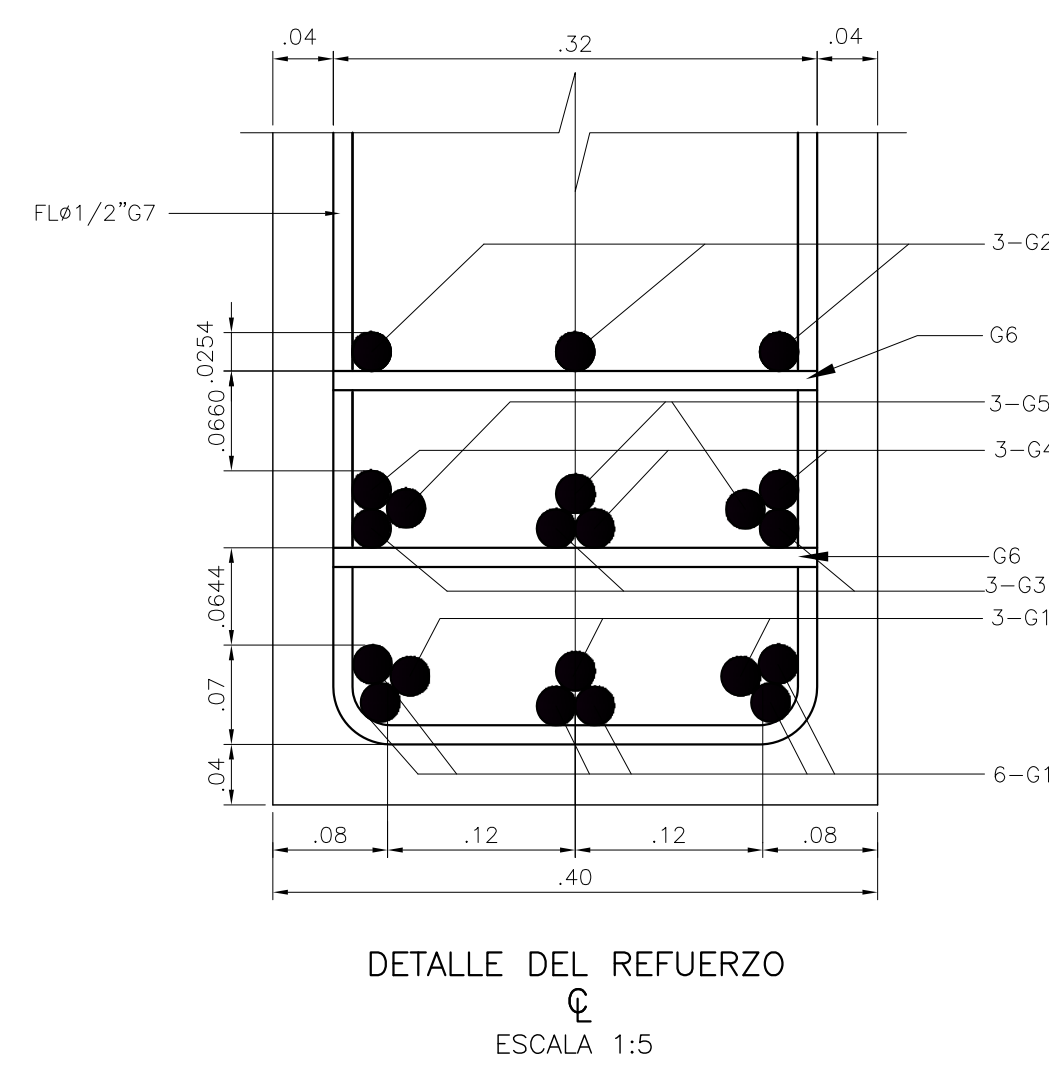
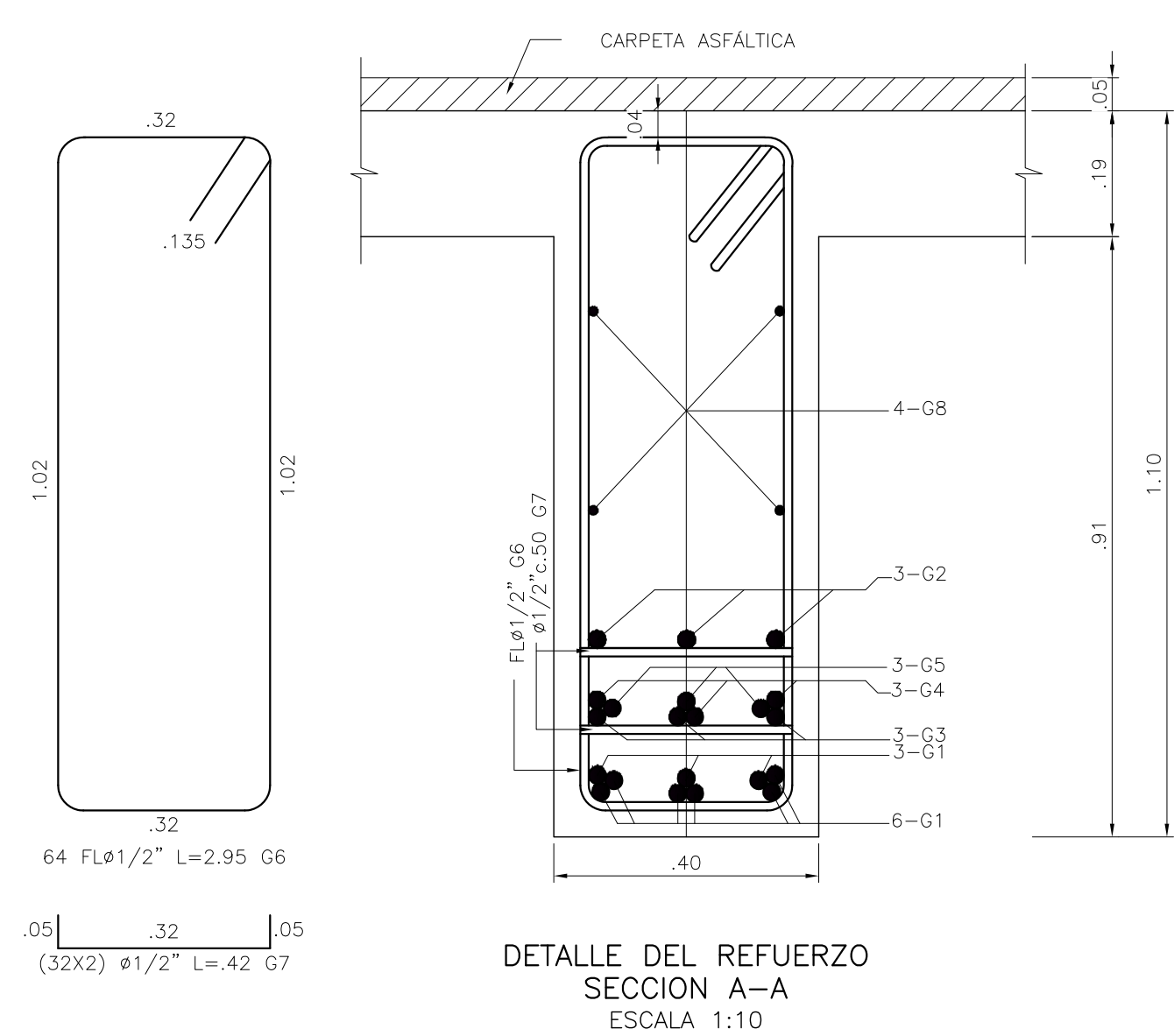
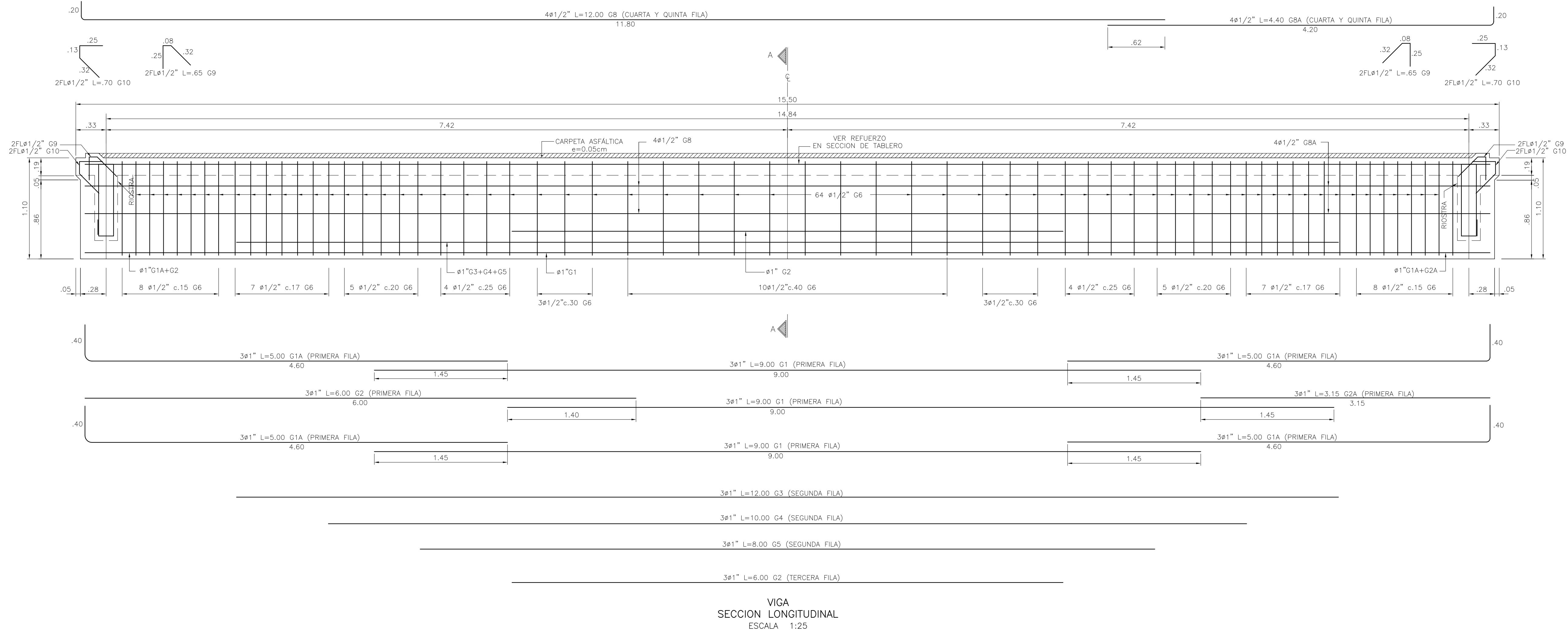
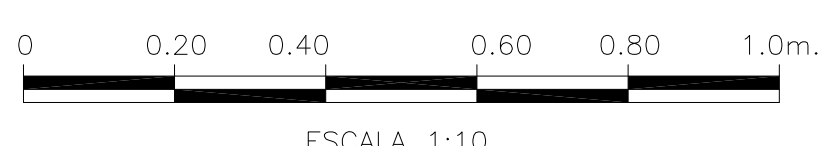
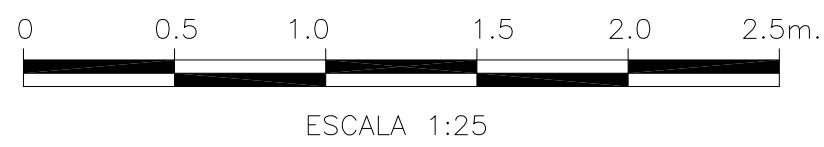




CANTIDAD DE MATERIALES PARA UNA VIGA (SÓN 4)					
VIGA DE 15.00m					
Diámetro Ø	Tipo	Forma	Cantidad	Longitud (m)	Peso (Kg)
1"	G1		9	9.00	1105.80
1"	G1A		12	5.00	
1"	G2		6	6.00	
1"	G2A		3	3.15	
1"	G3		3	12.00	
1"	G4		3	10.00	
1"	G5		3	8.00	
1/2"	G6		64	2.95	
1/2"	G7		64	0.42	
1/2"	G8		4	12.00	
1/2"	G8A		4	4.40	286.68
1/2"	G9		4	0.65	
1/2"	G10		4	0.70	
ACERO DE REFUERZO fy 4200 kg/cm² =					1392.48 Kg
VOLUMEN DE CONCRETO f'c 280 kg/cm² =					5.65 m³
ACERO DE REFUERZO PARA 4 VIGAS fy 4200 kg/cm² =					5559.92 Kg
VOLUMEN DE CONCRETO PARA 4 VIGAS f'c 280 kg/cm² =					22.60 m³

CUADRO DE TRASLAPOS MINIMOS A TRACCION		
No.	Ø	TRASLAPLO
3	3/8"	0.40
4	1/2"	0.60
5	5/8"	0.80
6	3/4"	1.00
7	7/8"	1.20
8	1"	1.40
9	1 1/8"	1.60
10	1 1/4"	1.80

DETALLE DE GANCHOS ESTANDAR									
C.7.1-NSR-10									
GANCHO 180°					GANCHO 90°				
Barra N°	D(cm)	C(cm)	E(cm)	M(cm)	L(cm)	E(cm)	L(cm)	E(cm)	L(cm)
3/8"	6	9	6	8	10	11	15		
1/2"	8	11	6	10	15	15	20		
5/8"	10	13	6.4	13	20	19	25		
3/4"	12	15	7.7	15	25	23	30		
7/8"	14	18	9	18	30	27	35		
1"	15	20	10	20	35	31	40		



VER NOTAS PLANO 1