

POST TENSION DESIGN REVIEW CHECKLIST

Plot No.		Date	
Location			
Consultant		Specialized Contractor	

S/N	ELEMENTS TO BE CHECKED	CONSULTANT			CONTRACTOR		
		OK	NOT OK	N/A	OK	NOT OK	N/A
1	Design code / standard is either ACI standard or Euro Code 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Loading diagrams matching with originally approved drawings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Seasonal thermal, creep and drying shrinkage (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Early thermal for different slab thickness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Tendon spacing as per design code guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Design sections width as per design code guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Minimum reinforcement at column locations for two-way flat slabs is $0.00075bh$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	At all column location a minimum of bonded strands passed through the column, otherwise bonded normal reinforcement added at bottom of slab at column location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Service stresses within design code limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	If allowed by design code, when tension stresses exceed the allowable tensile stress additional reinforcement added and crack width within design code limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Deflection "both long term deflection and deflection after installing partitions" within design code limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	If allowed by design code, when tension stresses exceed the allowable tensile stress cracked deflection within design code limits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Secondary actions due to post-tension considered in ultimate checking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Punching shear check at critical column locations verified by manual calculation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Reinforcement detailing provided as per intermediate seismic zone requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Additional reinforcement due to lateral forces provided if any	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REVIEWER'S COMMENT(S)							
SPECIALIZED CONTRACTOR			CONSULTANT				
REVIEWED BY		CONTRACTOR		REVIEWED BY		CONSULTANT	
NAME		STAMP		NAME		STAMP	
DESIGNATION				DESIGNATION			
SIGNATURE				SIGNATURE			
DATE				DATE			