Martin Concrete Pour Checklist

Circle: Slab Panels Paving Elevated Slab Columns Walls

Project: **Start Time:**

Pour Date: **Weather Forecast:**

Location: **Area (SF):**

Martin Superintendent: **Estimated Concrete Qty (CY):**

Mix Design #: **Panel Numbers:**

Slump: ____Max ____Min **# of Columns / LF of Wall:**

Air: ____Max ____Min **CY Per Hr:**

Signed by:

Martin Concrete Safety/ General Issues			
All workers and subcontractors/ suppliers aware they will wear hard hats, glasses and gloves at all times?			
All workers aware they will wear high visibility vests, long pants, work boots, and shirts with min. 4" sleeves?			
All aware that injuries, incidents, and near-misses must be reported to Safety Director and Superintendent immediately?			
Is superintendent aware if a worker is injured and leaves the site for medical treatment, damages property or is involved in a near hit incident a Drug & Alcohol Screen must be completed ASAP?			
Is all needed finishing equipment on site and been checked for safety and working condition?			
Are adequate number of vibrators on site and in working condition?			
Has the proper lighting been arranged for the pour?			
Is adequate and safe access for crew, equipment and concrete trucks been provided and discussed with all parties?			
Do concrete truck drivers know the route to the pour location?			
Is the washout pit, safe, identified, accessible by multiple trucks and located to not impeded production			
Has the mix ID been verified with the scope book?			
Has testing lab been notified of the pour?			
Columns / Walls			
Are all inspections complete, City/County and/or 3rd Party?			
Are all MEP sleeves installed and been signed off by MEP Subcontractor and GC?			
Have details been checked against Architectural and Structural drawings?			
Has top of wall/column elevation been verified and adequate identified?			
Has top of wall finish been discussed with crew?			
Is all formwork installed per approved formwork shop drawings?			
Is formwork adequately braced and plump?			
Has reveal been checked for proper adhesion, location, and alignment?			
Has the class of finish been verified and formwork installed to meet ACI tolerances?			
Is chamfer required and installed where shown on Architectural & Structural drawings?			
Is keyway required at bulkhead? Size and location verified?			
Is waterstop required? What type?			
Have forms been oiled?			
Are all required blockouts installed?			
Have control joints / construction joints been installed within max spacing as indicated on Structural Drawings?			
Do control joints / construction joints need to align with anything?			
Is chamfer required at construction joints?			
Have all embeds been installed per Architectural, Structural drawings and been checked against embed shop drawings, curtainwall drawings, steel shop drawings, etc?			
Are any anchor botls required?			
Has all reinforcing steel been installed as per the Structural Drawings?			
Has concrete been ordered by mix design?			
Has yards per hour and sump been agreed upon by supplier?			
Has the concrete pump truck been scheduled?			
How many pump moves will be needed?			
Is crane operator required to be onsite during pour? Are they scheduled?			
Are concrete buckets and forklift on site?			

Slabs			
Are all inspections complete, City/County and/or 3rd Party?			
Are all underground utilities complete?			
Have details been checked against Architectural and Structural drawings?			
Has subgrade elevations been checked and verified by Martin Concrete?			
Is subgrade prepared for concrete pour? Passed proof roll, stone base etc.			
Is concrete ordered by mix code?			
Has yards per hour and slump been agreed upon by supplier?			
Have forms been beveled and ground to remove concrete residue?			
Has bondbreaker been sprayed on adjacent pour?			
Has the finish been discussed with the finishing crew lead?			
Has the edge of the previous pour been edged or ground?			
Is all reinforcing installed per plans at correct spacing and elevation?			
Are any embeds required? Has layout been verified?			
Has expansion joint been installed? Is Zip Strip required?			
Are all diamond dowels and/or dowel baskets installed per plans at correct spacing?			
Have clean-outs and floor drains been set to correct elevation?			
What curing compound is to be used? _____			
Is evaporation retarder on site for finishers?			
Do we have saws scheduled to be on site? What time? _____			
Has the laser screed been greased and fluids checked?			
How many riding machines are scheduled to be used? _____			
What are the Ff/Fl numbers required? _____			
Has the concrete pump truck been scheduled?			
Has the weather been checked? Chance of rain _____%			
Is densifier being used? Who is placing? _____ What type? _____ Have they been scheduled?			
Is vapor barrier being placed? What type? _____			
Has the saw joints of the previous slabs been re-cut?			
Is Roller onsite for rut repair during pour?			
Does subgrade/stone need to be wetted?			
Are all tools on site –Check rods, Come along, Bull float, Straight edge			
How many pans and blades will be needed?			
How deep will we cut the saw joints? How will depth of cut be verified?			
Has control joint pattern been verified? *(Especially important for slabs with dowel baskets)*			
Panels			
Are all inspections complete, City/County and/or 3rd Party?			
Have details been checked against Architectural and Structural drawings?			
Has panel casting layout been verified with Full Tilt?			
Has panel formwork been re-checked for square?			
Have corner panels been checked that they are formed to correct size for proper corner alignment?			
Is drip edge required at door openings?			
Do window/louver openings required sloped sills?			
Has the correct bond breaker been sprayed?			
Has concrete been ordered by mix design?			
Has yards per hour and sump been agreed upon by supplier?			
Has the concrete pump truck been scheduled?			
How many pump moves will be needed?			
Has the correct chamfer been used in the forms?			
How many riding trowels will be needed?			
Has the finish been discussed with the finishing crew lead?			
Has the finishing crew been instructed to edge the panels?			
Have embeds been checked for proper placement? Panel book matches structural drawings.			
Are inserts installed per the approved panel book?			
Has reveal been checked for proper adhesion, location, and alignment?			
Has the rebar been placed correctly?			
Are number of rebar chairs adequate and the correct size?			
Is any additional rebar required for lifting as noted in the approved lifting/bracing engineering book?			
Has size and location of strongback inserts been verified and correctly installed?			
Are inserts tied with 2 EA #4x2' rebar?			
Is pressure treated nailer required?			
How many vibratory screeds are on site?			
Is evaporation retarder on site for finishers?			
Has the mix been checked to make sure there is no entrained air?			

Elevated Slabs			
Are all inspections complete, City/County and/or 3rd Party?			
Is all MEP installed and been signed off by MEP Subcontractor and GC?			
Have details been checked against Architectural and Structural drawings?			
Has edge of slab been verified against Architectural drawings?			
Has the deck elevation been verified?			
Is shoring installed per approved shoring drawings and re-check for adequate bracing?			
Has top of concrete elevation be identified and verified?			
Has the class of finish for bottom deck & beam sides been verified and formwork installed to meet ACI tolerances?			
Is chamfer required and installed where shown on Architectural & Structural drawings?			
Is keyway required at construction joints? Size and location verified?			
Have forms been oiled?			
Are all required blockouts installed?			
Are MEP sleeves adequately installed and set to correct elevation?			
Have slab depression and sloped areas been identified and correctly installed?			
Have all embeds been installed per Architectural, Structural drawings and been checked against embed shop drawings, curtainwall drawings, steel shop drawings, etc?			
Are any anchor botls required?			
Have hold-down anchors been installed and layout verified by framing subcontractor?			
Has all reinforcing steel and/or wire mesh been installed as per the Structural Drawings?			
Has all post-tension reinforcing been installed per the post-tension design drawings?			
Has post-tension cable profiles been verified?			
Have stressing end locations been verified? Are PT pockets correctly installed?			
Are PT cables encapsulated? Do tubes need grease?			
Have all damaged areas been properly repaired per PT manufacture recommendations?			
Are all backup bars, hairpins, and support bars been correctly installed for PT cables?			
Are PT stressing machines in adequate working condition? Is backup on site?			
Has PT Stressing Log been created and onsite for cable measurements?			
Has concrete been ordered by mix design?			
Has yards per hour and sump been agreed upon by supplier?			
Has the concrete pump truck been scheduled?			
How many pump moves will be needed?			
How many riding trowels will be needed?			
Has the finish been discussed with the finishing crew lead?			
How many vibratory screeds are on site?			
Is evaporation retarder on site for finishers?			
Is crane operator required to be onsite during pour? Are they scheduled?			
Are concrete buckets on site for backup?			
Is crew scheduled for pour watch?			
Has deck been blown off and clean, ready for concrete?			

Paving			
Have details been check against Civil, Arch / Structural drawings?			
Is subgrade prepared for concrete pour? Passed proof roll, stone base etc.			
Have subgrade elevations been verified? Any discrepancies reported to Martin PM & General Contractor?			
Is concrete ordered by mix code?			
Has yards per hour and slump been agreed upon by supplier?			
Have forms been beveled and ground to remove concrete residue?			
Is a turndown or thickened edge required?			
Has the finish been discussed with the finishing crew lead?			
Has direction of broom finish been verified with General Contractor?			
Has the edge of the previous pour been edged or ground?			
What curing compound is to be used? _____			
Is evaporation retarder on site for finishers?			
Do we have saws scheduled to be on site? What time? _____			
What blade thickness will be used to sawcut control joints? _____			
Has the laser screed been greased and fluids checked?			
Has subgrade been mapped/plotted by 3D screed operator?			
How many riding machines are scheduled to be used? _____			
Has slope of pavement been checked to ensure adequate drainage?			
Has the concrete pump truck been scheduled?			
Has the weather been checked? Chance of rain _____%			
Have dowels been installed and properly aligned at correct spacing?			
Has expansion joint been installed? Is Zip Strip required?			
Has the saw joints of the previous slabs been re-cut?			
Have the edges of the previous slab been ground?			
Are all tools on site –Check rods, Come along, Bull float, Straight edge			
How many pans and blades will be needed?			
How deep will we cut the saw joints?			
Has control joint pattern been verified? *(Especially important for paving with dowel baskets)*			
Has reinforcing been installed at correct spacing and height?			
Have bollards been installed at correct spacing and depth?			
Has the weather been checked? Chance of rain _____%			
Have dowels been installed and properly aligned at correct spacing?			
Has expansion joint been installed? Is Zip Strip required?			
Has the saw joints of the previous slabs been re-cut?			
Have the edges of the previous slab been ground?			
Are all tools on site –Check rods, Come along, Bull float, Straight edge			
How many pans and blades will be needed?			
How deep will we cut the saw joints?			
Has control joint pattern been verified? *(Especially important for paving with dowel baskets)*			
Has reinforcing been installed at correct spacing and height?			
Have bollards been installed at correct spacing and depth?			

NOTES: