

B. Cement – Handling and Equipment

1. Storage Bin

- Individual bin for cement storage : yes no
- Sufficient for operations: yes no
- Bin in acceptable condition with no holes: yes no
- Bin designed to eliminate accumulation of material in corners: yes no
- Bin designed to discharge efficiently and freely into weight hopper: yes no
- Equipped with vibrators: yes no
- Batching control sufficient to add batch quantity slowly and positively
shut off flow at desired weight yes no
- Connection between storage bin and weight hopper free of leaks: yes no
- Excessive dusting during batching: yes no
- Inspection platform and ladders safe and adequate for inspection: yes no

Remarks: _____

2. Source

- Approved source: yes no
- Cement in storage from more than one source: yes no
- Cement in storage all one type: yes no

Remarks: _____

C. Fly Ash – Handling and Equipment

1. Storage Bin

- Individual bin for fly ash storage: yes no
- Number of Silos: _____ Capacity: _____ tons
- Sufficient for operations: yes no
- Weatherproof: yes no
- Bin in acceptable condition with no holes: yes no

Fly Ash Storage Bin – continued

- Bin designed to eliminate accumulation of material in corners: yes no
Bin designed to discharge efficiently and freely into weight hoppers: yes no
Equipped with vibrators: yes no
Batching control sufficient to add batch quantity slowly and positively
shut off flow at desired weight: yes no
Connection between storage bin and weight hopper free of leaks: yes no
Excessive dusting during batching: yes no
Inspection platform and ladders safe and adequate for inspection: yes no

Remarks: _____

2. Source

- Approved source: yes no
Fly Ash in storage from more than one source: yes no
Fly Ash in storage all one type: yes no

Remarks: _____

D. Ground Granulated Blast - Furnace Slag - Handling and Equipment

1. Storage Bin

- Individual bin for Ground Granulated Blast Furnace Slag storage: yes no
Number of Silos: _____ Capacity: _____ tons
Sufficient for operations: yes no
Weatherproof: yes no
Bin is in acceptable condition with no holes: yes no
Bin designed to eliminate accumulation of material in corners: yes no
Bin designed to discharge efficiently and freely into weight hoppers: yes no
Equipped with vibrators: yes no
Batching control sufficient to add batch quantity slowly and positively
shut off flow at desired weight: yes no
Connection between storage bin and weight hopper free of leaks: yes no

**Ground Granulated Blast -Furnace Slag-Handling and Equipment- Storage Bin –
Continued**

Excessive dusting during batching: yes no

Inspection platform and ladders safe and adequate for inspection: yes no

Remarks: _____

2. Source

Approved source: yes no

Ground Granulated Blast Furnace Slag in storage from more than
one source: yes no

Ground Granulated Blast Furnace Slag in storage all one type: yes no

Remarks: _____

E. Water – Handling and Equipment

Water from an approved source: yes no
(describe): _____

Provisions for cooling water:
 Ice Other: _____ yes no

Provisions for heating water: yes no
Method(s) (describe): _____

Remarks: _____

F. Admixtures – Handling and Equipment

Admixtures from an approved source: yes no

Admixtures dispensed with the mixing water: yes no

Manner of dispensing admixture satisfactory: yes no

All admixtures used in batch from same manufacturer: yes no

If more than one admixture is being used are they compatible: yes no

Do admixtures being used require agitation: yes no

Provisions for agitation in storage tanks: yes no

Storage such that no contamination occurs: yes no

Admixtures protected from freezing: yes no

Remarks: _____

III. BATCHING EQUIPMENT

A. Weight Hoppers

1. Aggregate	2. Cement
Provisions for overload..... <input type="checkbox"/> yes <input type="checkbox"/> no Describe: _____ <hr/> Separate from cement weigh hopper... <input type="checkbox"/> yes <input type="checkbox"/> no Acceptable condition - no holes..... <input type="checkbox"/> yes <input type="checkbox"/> no Discharge completely..... <input type="checkbox"/> yes <input type="checkbox"/> no Type of discharge gate: <input type="checkbox"/> clam shell <input type="checkbox"/> other* *Describe: _____ Operating Properly – no leakage or excessive dusting <input type="checkbox"/> yes <input type="checkbox"/> no Equipped with vibrators..... <input type="checkbox"/> yes <input type="checkbox"/> no Inspection platforms & ladders safe & is adequate for inspection..... <input type="checkbox"/> yes <input type="checkbox"/> no Remarks _____ <hr/>	Provisions for overload..... <input type="checkbox"/> yes <input type="checkbox"/> no Describe: _____ <hr/> Separate from aggregate weigh hopper .. <input type="checkbox"/> yes <input type="checkbox"/> no Acceptable condition - no holes <input type="checkbox"/> yes <input type="checkbox"/> no Discharge completely..... <input type="checkbox"/> yes <input type="checkbox"/> no Type of discharge gate: *Describe: _____ Operating Properly – no leakage or excessive dusting..... <input type="checkbox"/> yes <input type="checkbox"/> no Equipped with vibrators..... <input type="checkbox"/> yes <input type="checkbox"/> no Inspection platforms & ladders safe & is adequate for inspection..... <input type="checkbox"/> yes <input type="checkbox"/> no Remarks: _____ <hr/>
3. Fly Ash	4. Ground Granulated Blast – Furnace Slag
Provisions for overload..... <input type="checkbox"/> yes <input type="checkbox"/> no Describe: _____ <hr/> Separate from aggregate weigh hopper... <input type="checkbox"/> yes <input type="checkbox"/> no Acceptable condition - no holes..... <input type="checkbox"/> yes <input type="checkbox"/> no Discharge completely..... <input type="checkbox"/> yes <input type="checkbox"/> no Type of discharge gate: *Describe _____ Operating properly – no leakage or excessive dusting <input type="checkbox"/> yes <input type="checkbox"/> no Equipped with vibrators..... <input type="checkbox"/> yes <input type="checkbox"/> no Inspection platforms & ladders safe & is adequate for inspection..... <input type="checkbox"/> yes <input type="checkbox"/> no Remarks: _____ <hr/>	Provisions for overload..... <input type="checkbox"/> yes <input type="checkbox"/> no Describe: _____ <hr/> Separate from aggregate weigh hopper... <input type="checkbox"/> yes <input type="checkbox"/> no Acceptable condition - no holes..... <input type="checkbox"/> yes <input type="checkbox"/> no Discharge completely..... <input type="checkbox"/> yes <input type="checkbox"/> no Type of discharge gate: *Describe _____ Operating properly – no leakage or excessive dusting <input type="checkbox"/> yes <input type="checkbox"/> no Equipped with vibrators..... <input type="checkbox"/> yes <input type="checkbox"/> no Inspection platforms & ladders safe & is adequate for inspection..... <input type="checkbox"/> yes <input type="checkbox"/> no Remarks: _____ <hr/>
5. Water	Additional Comments
Is water weighed <input type="checkbox"/> yes <input type="checkbox"/> no Weigh hopper functioning properly with no leakage <input type="checkbox"/> yes <input type="checkbox"/> no	<hr/> <hr/> <hr/>

B. Scales

1. General

- Separate scale system for each type component that is weighed: yes no
- All scale parts including knife edges and supports clean and functioning properly: yes no
- Does wind influence the weights recorded on the scales: yes no
- Do all scales zero: yes no
- Scale heads and beams protected from the weather and dust: yes no
- Scale heads and beams readily visible to the operator: yes no
- If scales are tied to a remote terminal, is the weight visible: yes no
- Do the terminal and scale weights coincide: yes no
- Are the scales accurate to 0.4% of the net applied load: yes no
- Are the max. graduations on the scale 0.1% of the rated scale capacity: yes no
- Are aggregates weighed accumulatively: yes no
- Is scale is used to weigh the water for batching: yes no
- Is the scale accurate to 1% at ½ the max. allowable water per batch: yes no

Remarks: _____

2. Beam Scales

	Aggregate	Cement	Fly Ash	Slag	Water
Make					
Graduation					
Capacity					
Date Calibrated					
Maximum Error	%	%	%	%	%

- Separate beam for each ingredient: yes no
- Scales provided with zero balance beam: yes no
- Scales provided with a tell-tale device: yes no
- Dust cover intact: yes no
- Poises can be locked: yes no

Remarks: _____

3. Dial Indicating Scales

	Aggregate	Cement	Fly Ash	Slag	Water
Make					
Graduations					
Capacity					
Date Calibrated					
Maximum Error	%	%	%	%	%

Separate beam for each ingredient: yes no
 Dial glass sealed against dust and weather : yes no
 Remarks: _____

C. Metering Device

1. Water Meters

Make		Date Calibrated	
Min. Graduation		Maximum Error, %	

Dispensing method: Automatic Manual
 Accurate to 1% at 1/2 the max. allowable water per batch: yes no
 Maximum graduation, 1 gal: yes no
 Any leakage: yes no
 Meter readily visible to the batcher: yes no
 Remarks: _____

1. Admixture Dispensers

	Air Entrainment	Water Reducer		Superplasticizer	Other
		Normal Set	Set Retarder		
Make					
Min. Graduation					
Capacity					
Date Calibrated					
Maximum Error	%	%	%	%	%

Separate device for each admixture: yes no
 Dispensing method: Automatic Manual
 Any leakage: yes no
 Accuracy sufficient to ensure the correct vol. of admix. in the batch with 3%: yes no
 Device protected from weather and contamination: yes no
 Remarks: _____

IV. TICKET SYSTEM

Automatic Printer: Applicable Not Applicable

- System tamper proof: yes no
- Does the system print the following:
- a. Time of batching to the nearest minute yes no
 - b. Water quantity added to batch yes no
 - c. Batch weights for each component: yes no
 - d. Moisture content of aggregate: yes no
 - e. Quantities of admixture: yes no
 - f. Batch number: yes no
 - g. Day, month, and year yes no
 - h. Maximum quantity of water to be added to job site: yes no
- Are moisture content of aggregate or quantities of admixtures placed on ticket by batcher in lieu of printing: yes no

NOTE: Form 03-22-4028, Batch Certification of Portland Cement Concrete must be attached to the automatic system printer ticket.

Form 03-22-4028, Batch Certification of PCC: Available Not Available

Remarks: _____

V. MIXING

- A.** **Truck Mixer** **Shrink-Mixed** **Central Mixer** Make: _____
Batch Size: _____ yd³ Capacity _____ yd³/hr
Timing device which automatically locks the discharge lever when the drum has been charged and releases it at the end of mixing cycle: yes no
Uniformly mixes the batch components: yes no
- B. Water Storage and Dispensing**
Adequate water storage and an accurate, automatic dispensing device meeting the following requirements:
- Water meter accurate to 1% at ½ the allowable water per batch: yes no
 - Maximum graduation is 1 gal yes no
 - Any leakage: yes no
 - Meter readily visible to the batcher: yes no
- C. Manufacturer's Plate**
Manufacturer's plate listing:
- a. Capacity of drum: yes no
 - b. Mixing speed: yes no
- Blades meet manufacturer's requirements: yes no

D. Admixture Dispensers

Admixture dispensers meet the following specifications:

Separate device for each aggregate: yes no

Dispensing method: yes no

Automatic Manual

Any leakage:

Accuracy sufficient to ensure the correct volume of admixture
in the batch within 3%:

yes no

Device protected from weather and contamination:

yes no

General condition satisfactory:

yes no

Is mixture completely discharged in satisfactory manner:

yes no

Remarks: _____

VI. PLANT SITE LABORATORY

Building

Building dedicated only for testing purposes: yes no

Site convenient and otherwise acceptable: yes no

Floor space a minimum of 160ft² yes no

Weatherproof: yes no

Secured by suitable locks and catches: yes no

Air conditioned: yes no

Heated: yes no

Ventilation adequate/All fumes vented (fume hood): yes no

Sink with running water: yes no

Adequate lighting and power outlets: yes no

Minimum of one outside door: yes no

Sufficient, sturdy benches and tables for work surfaces: yes no

Sanitary facilities: yes no

Remarks: _____

General remarks on plant certification: _____

Certified Inspector

Date

District Lab Representative

Date

Project Engineer

Date

District Lab Engineer

Date

