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REPORT OF CONCRETE COMPRESSIVE STRENGTH (ASTM C39)

NOTE: This report is provided only for the exclusive use of BECC's client of record and may not be relied upon by any third party.



Report No.: **SC- 05**

PROJECT NAME: Mallard Landing REPORT DATE: 12/16/2022
PROJECT NUMBER: 117053 LOCATION: Alabaster, AL
CLIENT: Jason Spinks CONCRETE SUPPLIER: Kirkpatrick
CONTRACTOR: Alabama Slipform Inc. Cylinder Set: 1 of 1

DESIGN DATA	CLASS	MIX ID	SLUMP (in)		AIR CONTENT (%)		MIN UNIT WT (pcf)	TEMPERATURE (°F)	
			MIN	MAX	MIN	MAX		MIN	MAX
	3500	358621						NA	NA
	Mix Type: <input checked="" type="checkbox"/> Normal Wt. <input type="checkbox"/> Lightweight <input type="checkbox"/> Other								
FIELD DATA	Date of Placement:	Time Concrete Batched (24h):	Time Concrete Sampled (24h):		Field Tech:				
	12/16/2022	7:00	7:45		Ethan Campbell				
	Concrete Truck No.	Ticket No:	Load Size (C.Y.):		Weather Conditions:				
	1217	148714	6.5		Clear				
	Was Extra Water Added at Job Site? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> UNK Authorized By:								
	If yes, how much? _____ gallons to _____ CY Contractor _____								
FIELD TESTS	AIR CONTENT (%) by ASTM C231		Ambient Temp. (°F):		Concrete Temp. (°F):		UNIT WEIGHT (pcf) by ASTM C138		
			34		54				
	MEASURED SLUMP (in) by ASTM C143		Cylinders were molded and cured to:					<input checked="" type="checkbox"/> ASTM C31 <input type="checkbox"/> ASTM C1435	
	1.50		Were cylinders tested to ASTM C39?					<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

FIELD DATA & TESTS REPORTED TO: _____ TITLE: _____

STRUCTURE AND LOCATION: (Check and describe)	<input type="checkbox"/> Foundation <input type="checkbox"/> Slab (OG) <input type="checkbox"/> Slab (EL) <input type="checkbox"/> Column/Beam <input type="checkbox"/> Wall <input type="checkbox"/> Paving <input checked="" type="checkbox"/> Other <input type="checkbox"/> Curb
	Curb on New Construction Area

SPECIMEN ID		DATE RECEIVED	TEST DATE	AGE (DAYS)	TEST SPECIMEN SIZE			TOTAL LOAD (lb-f)	L/D RATIO	COR FACTOR	TEST STRENGTH (psi)	TYPE OF BREAK	END PREP^^	LAB TECH
CONTROL ID	LAB ID				DIA (in)	L (in)	AREA (in ²)							
A	73563	12/17/2022	12/23/2022	7	4.00	8.00	12.57	51250	2.00	1.00	4080	3	UB	WK
B	73563	12/17/2022	1/13/2023	28	4.00	8.00	12.57	53570	2.00	1.00	4260	4	UB	WK
C	73563	12/17/2022	1/13/2023	28	4.00	8.00	12.57	52745	2.00	1.00	4200	4	UB	WK
D	73563	12/17/2022	1/13/2023	28	4.00	8.00	12.57	51520	2.00	1.00	4100	5	UB	WK
E	73563	12/17/2022		H										
F														
G														
H														
I														
J														

NOTE: ^^ UB-Unbonded: ASTM C1231, SC-Sulfur Cap: ASTM C617

BOLD values indicate results lower than expected.

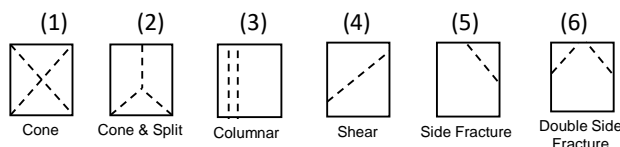
ASTM C39 ACCEPTANCE (Laboratory Only)	Nominal Cylinder Diameter (in): _____	*Average 28-day Compressive Strength (psi): 4190	COMPRESSION STRENGTH TESTS MEET ASTM C39
	Coefficient of Variation, % (COV): _____	*No. of Specimens - Max COV Range Below Class: _____	
	Acceptable Range of Variance, %: _____	*Max Range of Variance of Individual Tests, %: _____	

SPECIAL NOTES:

OTHER REMARKS:

When Cylinders Picked up on 12/17 they had been moved to a sloped bank from original position.

TYPES OF BREAK (ASTM C39)



Respectfully Submitted:
BECC, Inc.

Richard A. Rhinehart
Richard Rhinehart, P.E., Senior Vice President