



**Project:** STFD No.1 New Training Facility-Slidell #2  
34780 S. Range Road  
Slidell, Louisiana 70460

**SUBMITTAL COVER SHEET**

**Arch. Project No:** \_\_\_\_\_

**MNC Project No:** 830 \_\_\_\_\_

**To:** Dammon Engineering, Inc.  
554 Old Spanish Trail  
Slidell, Louisiana 70458  
info@dammonengineering.com

**From:** Cheri Rusich  
M Natal Contractor, Inc.  
P.O. Box 518  
Slidell, LA 70459

**Attn.** David Dammon  
Chuck Dammon

**Sent Via** E-Mail

**General Contractor's Review:**

*M Natal Contractor, Inc.*

**CONTRACTOR'S REVIEW:**

**SUBMITTAL NO:** 033000.001.0  
**SPEC. SEC. NO:** 033000  
**VENDOR/SUB:** Holcim  
**DESCRIPTION:** Mix Design

**NO EXCEPTIONS TAKEN**   
**FURNISH AS CORRECTED**   
**REJECTED; RESUBMIT**   
**PARTIAL APPROVAL; SUBMIT ADD'L ITEM(S)**

Reviewing is for conformance with the design concept of the project and compliance with the information given in the Contract Documents. The Vendor/Subcontractor is responsible for dimensions to be confirmed and correlated at the site for information that pertains solely to the fabrication process or to the means, method, technician, sequences, and procedures of construction; and for coordination of the work with all trades.

BY Cheri Rusich DATE: 06/03/2025

**Architect/Engineer Review:**

*OK to send to chuck  
MM 6-3-25*



Louisiana Division  
 3320 Airline Drive  
 Metairie, LA 70001  
 Main: 504-834-3341  
 Fax: 504-836-6830

**Date:** 06/02/2025  
**Client:** M NATAL CONTRACTOR INC  
**Attention:**  
**Project:** ST TAMMANY FIRE TRAINING FACILITY - SLIDELL  
**Location:**

Mix Number	Mix Description	f 'c	w/c+p	Slump	Air
RMX93	4000 PSI AEA (+ 1.5 lbs Fiber - Where required))	4000	0.46	3.00 - 5.00"	3.5 - 6.5%
RMX150S	4000 PSI/SUPER (.40)	4000	0.40	5.00 - 8.00"	0.0 - 3.0%

Holcim US has no authority regarding where this mixture is to be placed, therefore it is the direct responsibility of the Purchaser, the design architect or design engineer, and or contractor to insure that the above designed mixture parameters for compressive strength, mixture proportions or ratios, and other required performance parameters are appropriate for the project and for the anticipated environmental, durability, or usage conditions in ACI 318 Chapter 4 and/or the relevant local building codes.

Holcim US warrants the supplied ready-mix concrete mixture designs will achieve the specified compressive strength, or other performance properties of the concrete stated in the plans and specifications, as were made available at the time of quotation, when tested and evaluated in accordance with ASTM C172-14a, ASTM C31-12 (including proper initial curing as per Section 10.1.2), ASTM C39-15a, ASTM C94-15, or other applicable ASTM test methods, provided that the recommended procedures for placement and curing of the in-place concrete, or those specifically outlined in ACI 305R-10 and ACI 306R-10 are followed.

In accordance with ASTM C94-15 Section 6.8, Holcim US shall receive all copies of testing reports, and they should be forwarded to our Quality Control Department as soon as available. Failure to forward reports in a timely fashion can delay response time in dealing with concrete concerns as well as future project submittals.

This mix design submittal, price quote, or material specific information (aggregate properties, grading, material composition, or other information regarding materials) is proprietary and confidential and not to be shared or transmitted in any form to any person or organization that is not expressly authorized in writing by a designated official of Holcim US. Any unauthorized person or entity in possession of this information will be prosecuted to the fullest extent of the law.

Material certifications for concrete constituents are representative of current material sources. If, in the event of limited material availability, substitution of a similar performing material may be required. Such materials will meet the appropriate ASTM requirements as stated in this package. In order to maintain the required mix volume (yield), Holcim US reserves the right to adjust absolute weight of aggregates to accommodate specific gravity changes.

Holcim US mix designs requiring air-entrainment are produced in accordance with ASTM C 94 Section 8.2, which allows for a tolerance of 1.5% above and below the target, and is stated as follows: *ASTM C94 - 15 8.2 The air content of air-entrained concrete when sampled from the transportation unit at the point of discharge shall be within a tolerance of +/- 1.5 of the specified value.*

Except as otherwise expressly stated above, Holcim US's standard Terms and Conditions of Sale provided with the quotation shall apply.

Please return all approved submittals to Holcim US.

When placing orders for approved mixes, always ORDER BY MIX NUMBER. Include with the order any specialty products such as Super P, Temperature Control, Fibers, etc. required by specification or desired by purchaser.

Holcim US

B.J. Eckholdt III  
 Manager, Quality Assurance



Louisiana Division  
 3320 Airline Drive  
 Metairie, LA 70001  
 Main: 504-834-3341  
 Fax: 504-836-6830

**Concrete Mix Design**

**Date:** 06/02/2025  
**Client:** M NATAL CONTRACTOR INC  
**Project:** ST TAMMANY FIRE TRAINING FACILITY - SLIDELL

**1.0 Cubic Yard by Weight - SSD**

**Mix Number:** RMX93  
**Mix Description:** 4000 PSI AEA (+ 1.5 lbs Fiber - Where required))  
**Strength @ 28 Days:** 4000 psi  
**Usage:** Sidewalks, Paving

Materials:	SSD Weights		
<b>Cement</b>	ASTM C595	TYPE 1L LOWALKALI	436 lbs
<b>Fly Ash (General)</b>	ASTM C-618	Class F Fly Ash	109 lbs
<b>Coarse Aggregate</b>	ASTM C-33	1" GRAVEL	1810 lbs
<b>Fine Aggregate</b>	ASTM C-33	Concrete Sand	1190 lbs
<b>Water</b>			250 lbs
<b>Admixture</b>	ASTM C 260	Air Entrainer	As Required
<b>Admixture</b>	ASTM C494	Type A and D WRA	3.0 to 6.0 oz/cwt CM

<b>Total Weight:</b>	3796	lbs	<b>Fly Ash Replacement:</b>	20.0 %
<b>Unit Weight:</b>	140.51	pcf	<b>Slag Replacement:</b>	0.0 %
<b>Yield:</b>	27.01	cu.ft.	<b>Slump:</b>	3.00 - 5.00 inches
<b>w/cm Ratio:</b>	0.46		<b>Air Content:</b>	3.5 - 6.5 %

**Comments:**

The cementitious content of the mix design is stated as a minimum and Holcim US reserves the right to increase cementitious content if needed.  
 Chemical admixtures are added in accordance with the manufacturer's recommendations. Holcim US reserves the right to adjust dosages or change admixtures when required. Normal set water reducer is used in ambient temperature below 80 degrees F, set retarder is used above 80 degrees F.  
 Please forward all compressive strength test results to Holcim US at:  
[bj.eckholdt@holcim.com](mailto:bj.eckholdt@holcim.com)

Holcim US

B.J. Eckholdt III  
 Manager, Quality Assurance



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## Concrete Mix Design

**Date:** 06/02/2025  
**Client:** M NATAL CONTRACTOR INC  
**Project:** ST TAMMANY FIRE TRAINING FACILITY - SLIDELL

**1.0 Cubic Yard by Weight - SSD**

**Mix Number:** RMX150S  
**Mix Description:** 4000 PSI/SUPER (.40)  
**Strength @ 28 Days:** 4000 psi  
**Usage:** Cast in Place

Materials:	SSD Weights		
<b>Cement</b>	ASTM C595	TYPE 1L LOWALKALI	452 lbs
<b>Fly Ash (General)</b>	ASTM C-618	Class F Fly Ash	112 lbs
<b>Coarse Aggregate</b>	ASTM C-33	1" GRAVEL	1548 lbs
<b>Fine Aggregate</b>	ASTM C-33	Concrete Sand	1122 lbs
<b>Intermediate Aggregate</b>	ASTM C-33	INTERMEDIATE AGG	511 lbs
<b>Water</b>			226 lbs
<b>Admixture</b>	ASTM C494	Type A Midrange	10.3 oz/cwt CM
<b>Admixture</b>	ASTM C494	Type D	As Required

<b>Total Weight:</b>	3975	lbs	<b>Fly Ash Replacement:</b>	19.9 %
<b>Unit Weight:</b>	147.06	pcf	<b>Slag Replacement:</b>	0.0 %
<b>Yield:</b>	27.00	cu.ft.	<b>Slump:</b>	5.00 - 8.00 inches
<b>w/cm Ratio:</b>	0.40		<b>Air Content:</b>	0.0 - 3.0 %

**Comments:**

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