DAMMON
ENGINEERING, INC.
Architects & Engineers

554 Old Spanish Trail
Slidell, LA 70458
985.649.5832
www.dammonengineering.com
info@dammonengineering.com

SHOP DRAWING and SAMPLE TRANSMITTAL

DATE: 6/19/2025

TO: Cheri Rush
M Natal Contractor, Inc.
P.O. Box 518
Slidell, La

FROM: Chuck Dammon

SUBMITTAL No.: 03300.001.0

REFERENCE: **STP Fire District 1 Training Center**

DE Project: 2507

WE TRANSMIT:

- ☒ enclosed
- ☐ under separate cover
- ☐ _____

FOR YOUR:

- ☐ use
- ☒ record
- ☐ approval
- ☐ review and comment
- ☐ information
- ☐ drafting

THE FOLLOWING:

- ☐ drawing(s)
- ☐ contracts
- ☐ specifications
- ☐ shop drawings
- ☐ samples
- ☐ change order(s)
- ☒ product information
- ☐ warranty
- ☐ substitution request

# COPIES	DESCRIPTION	ACTION
Electronic	Mix Deisgn	A

ACTION CODES:

A. Reviewed/No Exceptions
B. Reviewed/Exceptions Noted
C. Revise and Resubmit
D. No Action Required
E. For Signature and Return to this Office
F. See Remarks Below
G. Rejected

REMARKS:

Mix Design

COPIES TO: File

Natal
Contractor, Inc.

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	NO EXCEPTIONS TAKEN	☑
SPEC. SEC. NO:	033000	FURNISH AS CORRECTED	☐
VENDOR/SUB:	Holcim	REJECTED; RESUBMIT	☐
DESCRIPTION:	Mix Design	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
a/m 6-3-25

DAMMON ENGINEERING, INC

Date: 06-19-25 Project: Training Facility #2
Reviewed: X
Reviewed as noted: _____
Revise and ReSubmit: _____
Rejected: _____
Other: _____

Correction or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. This check is only for review of the general conformance with the design concept of the project and general compliance with the information given in the contract documents. This contractor is responsible for: confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction; coordinating his or her work with that of all other trades and performing all in a safe and satisfactory manner.

Submittal item: Mix Design
Comments: _____

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

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

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

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

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

Comments:

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