Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: PRR:03533809-36
Issue No: 1

Proofroll Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 7/17/2023

General Details

Date: 7/11/2023
Technician: Eric Behrens
Weather: Clear

Item

- ☐ Final subgrade for building pad
- ☐ Aggregate base for building pad
- ☑ Stripped subgrade prior to the placement of fill
- ☐ Final subgrade for driveway/parking area
- ☐ Aggregate base for driveway/parking area
- ☐ Aggregate base for roadway/airfield

Reported elevation of subgrade at time of proofroll (ft):	82'
Area of proofroll (grid points or attach sketch):	Building pads T & U
Equipment used to proofroll the prepared area (make & model):	Freight-liner tandem axel truck
Approximate weight of vehicle including load (lbs):	80,000 plus
Visual description of subgrade soil or aggregate base:	Clay (brown) traces of sand & rock
Fill required to achieve final subgrade elevation:	N/A
Amount of fill required to achieve final subgrade elevation (ft):	

Based on our observations, the area identified in this report IS considered suitable for intended purposes at this time.

The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.

Inspector: Eric Behrens
Sketch Attached: YES

Comments

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: PRR:03533809-36
Issue No: 1

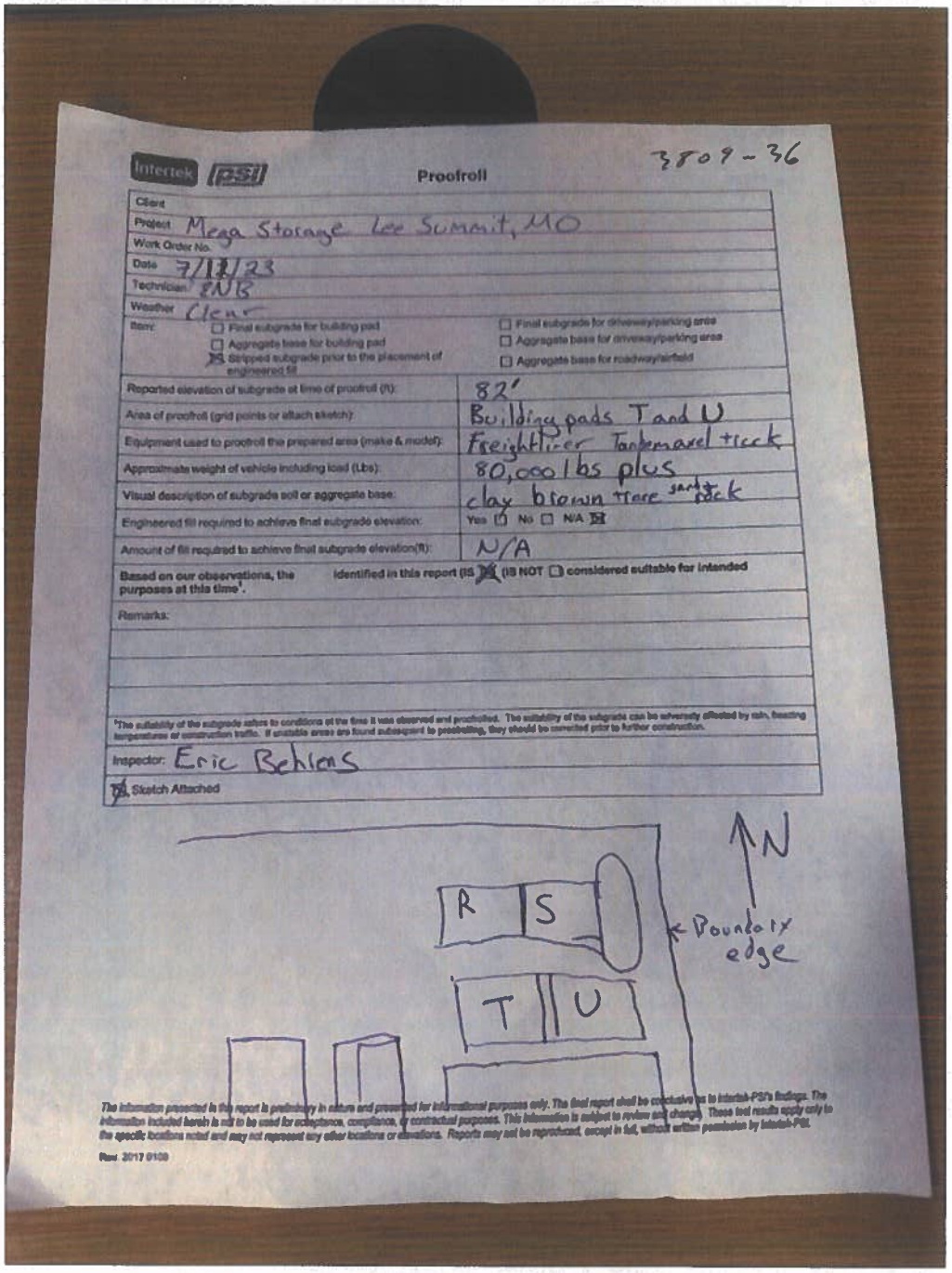
Proofroll Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 7/17/2023



Proofroll 3809-36

Client	
Project	Mega Storage Lee Summit, MO
Work Order No.	
Date	7/17/23
Technician	ENB
Weather	Clear
Item:	☐ Final subgrade for building pad ☐ Aggregate base for building pad ☒ Stripped subgrade prior to the placement of engineered fill ☐ Final subgrade for driveway/parking area ☐ Aggregate base for driveway/parking area ☐ Aggregate base for roadway/airfield
Reported elevation of subgrade at time of proofroll (ft):	821
Area of proofroll (grid points or attach sketch):	Building pads T and U
Equipment used to proofroll the prepared area (make & model):	Freightliner Tandemaxel truck
Approximate weight of vehicle including load (Lbs):	80,000 lbs plus
Visual description of subgrade soil or aggregate base:	clay brown Mare sandy rock
Engineered fill required to achieve final subgrade elevation:	Yes ☐ No ☐ N/A ☒
Amount of fill required to achieve final subgrade elevation(ft):	N/A
Based on our observations, the purposes at this time*.	identified in this report (IS ☒ IS NOT ☐ considered suitable for intended
Remarks:	
*The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.	
Inspector:	Eric Behlers
☒ Sketch Attached	

The information presented in this report is preliminary in nature and presented for informational purposes only. The final report shall be conclusive as to Intertek-PSI's findings. The information included herein is not to be used for acceptance, compliance, or contractual purposes. This information is subject to review and change. These test results apply only to the specific locations noted and may not represent any other locations or elevations. Reports may not be reproduced, except in full, without written permission by Intertek-PSI.

Rev. 2017 0109

Mega storage Lee Summit, MO

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: PRR:03533809-37
Issue No: 1

Proofroll Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 7/17/2023

General Details

Date: 7/12/2023
Technician: Eric Behrens
Weather: Clear

Item

- ☐ Final subgrade for building pad
- ☐ Aggregate base for building pad
- ☑ Stripped subgrade prior to the placement of fill
- ☐ Final subgrade for driveway/parking area
- ☐ Aggregate base for driveway/parking area
- ☐ Aggregate base for roadway/airfield

Reported elevation of subgrade at time of proofroll (ft):	82
Area of proofroll (grid points or attach sketch):	Building pads R & S
Equipment used to proofroll the prepared area (make & model):	Freight-liner tandem axel dump truck
Approximate weight of vehicle including load (lbs):	80,000 plus
Visual description of subgrade soil or aggregate base:	Clay (brown) trace amounts of sand & rock
Fill required to achieve final subgrade elevation:	No
Amount of fill required to achieve final subgrade elevation (ft):	0

Based on our observations, the area identified in this report IS considered suitable for intended purposes at this time.

The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.

Inspector: Eric Behrens
Sketch Attached: YES

Comments

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: PRR:03533809-37
Issue No: 1

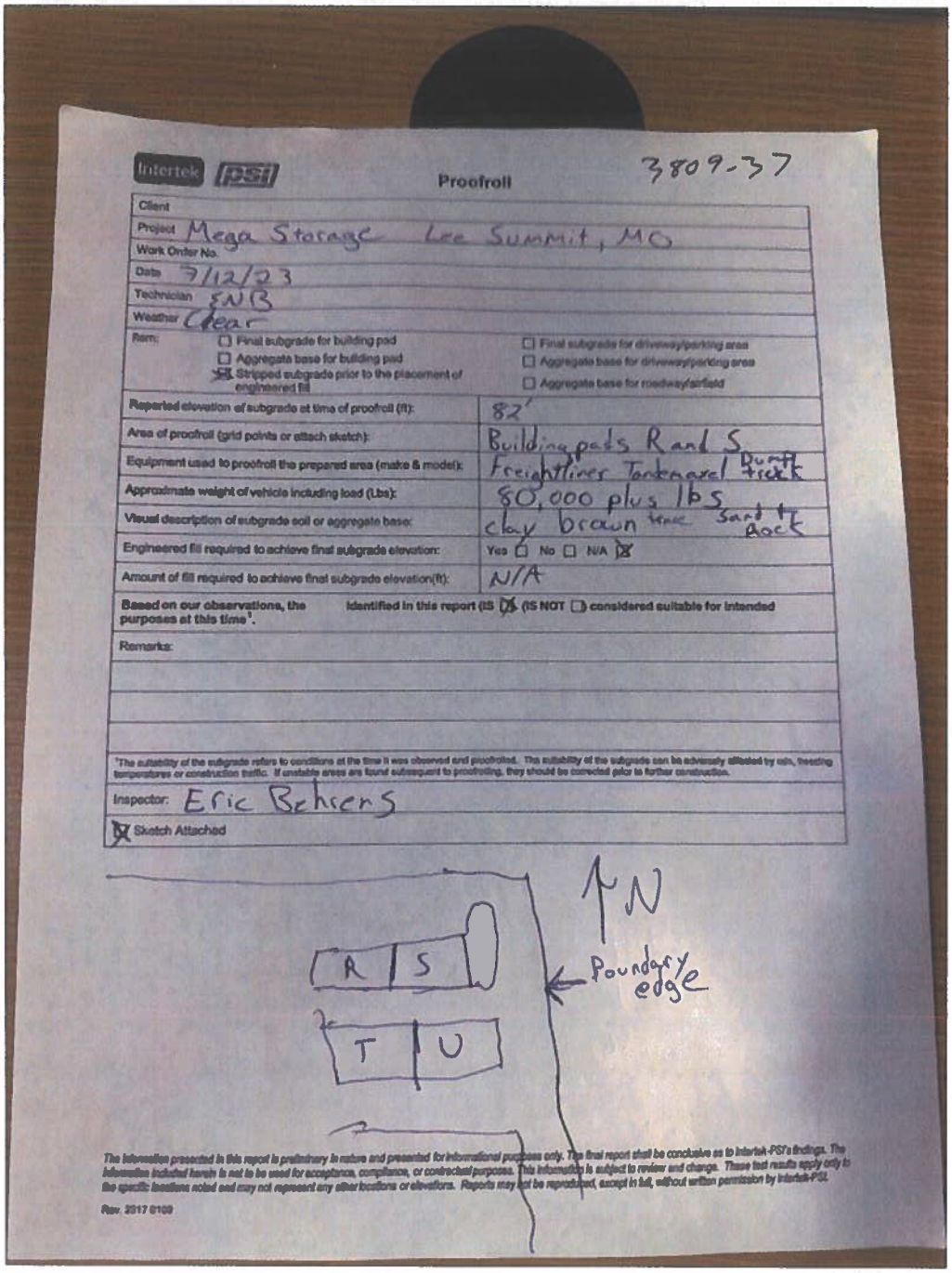
Proofroll Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 7/17/2023



Intertek PSI **Proofroll** 3809-37

Client	
Project	Mega Storage Lee Summit, MO
Work Order No.	
Date	7/12/23
Technician	SNB
Weather	Clear
Item:	☐ Final subgrade for building pad ☐ Final subgrade for driveway/parking area ☐ Aggregate base for building pad ☐ Aggregate base for driveway/parking area ☒ Stripped subgrade prior to the placement of engineered fill ☐ Aggregate base for roadway/airfield
Reported elevation of subgrade at time of proofroll (ft):	82'
Area of proofroll (grid points or attach sketch):	Building pads R and S
Equipment used to proofroll the prepared area (make & model):	Freightliner Tankwagel Dump truck
Approximate weight of vehicle including load (Lbs):	80,000 plus lbs
Visual description of subgrade soil or aggregate base:	clay brown fine Sand to Rock
Engineered fill required to achieve final subgrade elevation:	Yes ☐ No ☐ N/A ☒
Amount of fill required to achieve final subgrade elevation(ft):	N/A
Based on our observations, the identified in this report (IS ☒ (IS NOT ☐) considered suitable for intended purposes at this time[1].	
Remarks:	

[1]The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.

Inspector: Eric Behrens

☒ Sketch Attached

The information presented in this report is preliminary in nature and presented for informational purposes only. The final report shall be conclusive as to Intertek-PSI's findings. The information included herein is not to be used for acceptance, compliance, or contractual purposes. This information is subject to review and change. These test results apply only to the specific locations noted and may not represent any other locations or elevations. Reports may not be reproduced, except in full, without written permission by Intertek-PSI.

Rev. 2017 0109

Proof roll sketch

intertek psi

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: FDR:03533809-39
Issue No: 1

Field Density Test Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 7/20/2023

Testing Details

Tested By:	Eric Behrens	**Date Tested:**	7/14/2023
Field Methods:	ASTM D 6938		
Contractor:	Kissick Const	**Gauge Make/Model:**	Troxler
Test Mode:	Direct Transmission	**Standard Count: Density:**	569
Serial Number:	31164	**Standard Count: Moisture:**	1733
Weather:	Clear		

Proctor Information

Sample ID	Material	Method	MDD (lb/ft³)	OWC (%)
03533809-15-S1	Limestone Screenings	ASTM D 698 (B)	133.0	9.0

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03533809-15-S1	12	135.3	4.5	-4.5	129.5	**97.4**	≥95	A
2	D 6938	03533809-15-S1	12	138.5	3.1	-5.9	134.3	**101.0**	≥95	A
3	D 6938	03533809-15-S1	12	140.7	5.5	-3.5	133.4	**100.3**	≥95	A
4	D 6938	03533809-15-S1	12	138.5	5.2	-3.8	131.7	**99.0**	≥95	A
5	D 6938	03533809-15-S1	12	136.0	4.0	-5.0	130.8	**98.3**	≥95	A
6	D 6938	03533809-15-S1	12	138.6	4.7	-4.3	132.4	**99.5**	≥95	A

Location

General Location: Building pads for building T, U, S, R

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
1	Bldg pad T from SW Corner of bldg 10'N 14'E	1	12	LVC Zone
2	Bldg pad T from SW Corner of bldg 20'N 56'E	1	12	LVC Zone
3	Bldg pad T from SW Corner of bldg 30'N 98'E	1	12	LVC Zone
4	Bldg pad U from SW Corner of bldg 10'N 14'E	1	12	LVC Zone
5	Bldg pad U from SW Corner of bldg 20'N 56'E	1	12	LVC Zone
6	Bldg pad U from SW Corner of bldg 30'N 98'E	1	12	LVC Zone

Comments

Legend

OWC = Optimum Water Content
MDD = Maximum Dry Density
A = TEST RESULTS COMPLY WITH SPECIFICATION

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: FDR:03533809-39
Issue No: 1

Field Density Test Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 7/20/2023

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03533809-15-S1	12	135.9	4.5	-4.5	130.0	**97.7**	≥95	A
8	D 6938	03533809-15-S1	12	135.5	4.7	-4.3	129.4	**97.3**	≥95	A
9	D 6938	03533809-15-S1	12	138.4	4.8	-4.2	132.1	**99.3**	≥95	A
10	D 6938	03533809-15-S1	12	141.6	5.8	-3.2	133.8	**100.6**	≥95	A
11	D 6938	03533809-15-S1	12	139.5	4.7	-4.3	133.2	**100.2**	≥95	A
12	D 6938	03533809-15-S1	12	137.8	5.8	-3.2	130.2	**97.9**	≥95	A

Location

General Location: Building pads for building T, U, S, R

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
7	Bldg pad S from SW Corner of bldg 10'N 14'E	1	12	LVC Zone
8	Bldg pad S from SW Corner of bldg 30'N 42'E	1	12	LVC Zone
9	Bldg pad S from SW Corner of bldg 50'N 70'E	1	12	LVC Zone
10	Bldg pad R from SW Corner of bldg 10'N 14'E	1	12	LVC Zone
11	Bldg pad R from SW Corner of bldg 30'N 42'E	1	12	LVC Zone
12	Bldg pad R from SW Corner of bldg 50'N 70'E	1	12	LVC Zone

Comments

Legend

OWC = Optimum Water Content
MDD = Maximum Dry Density
A = TEST RESULTS COMPLY WITH SPECIFICATION

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: PTR:03533809-15-S1
Issue No: 1

Proctor Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

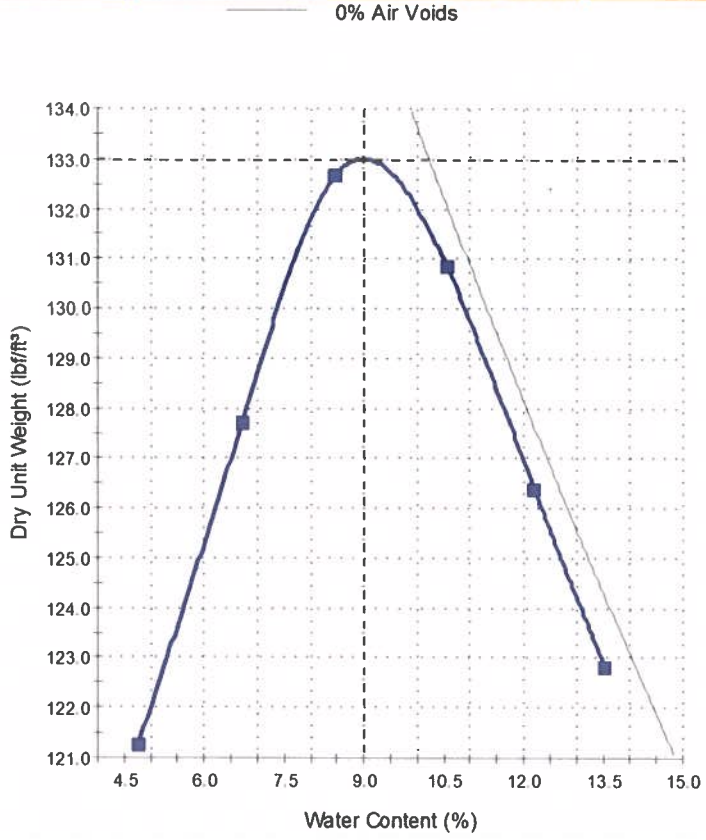
Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/24/2022

Sample Details

Sample ID:	03533809-15-S1	**Date Sampled:**	10/18/2022
Sampled By:	Jason Tousley	**Specification:**	
Source:	Martin Marietta	**Material:**	Limestone Screenings
Sampling Method:	Stockpile/Trans - ASTM D 75 - 5.3.3	**General Location:**	On-site
Location:	Stockpile	**Tested By:**	Brittany Edmondson
Date Tested:	10/20/2022		

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**133.0**
Optimum Water Content (%):	**9.0**
Method:	B
Preparation Method:	Moist
Rammer Type:	mechanical
Specific Gravity (Fines):	2.73
Specific Gravity Method:	estimated
Retained Sieve 3/8" (9.5mm) (%):	0
Passing Sieve 3/8" (9.5mm) (%):	100
Tested By:	Brittany Edmondson
Date Tested:	10/20/2022

Comments

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: FRL:03533809-53
Issue No: 1

Foundation Report

Client: MEGA STORAGE
577 VILLA CT

WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 9/27/2023

General Details

Date: 9/26/2023 **Technician:** Douglas Deering **Weather:** Clear

Foundation

Foundation I.D.		Footing Dimension [1]		Depth of Excavation from Ground Surface (in) [2]	Bearing Soil Type (Visual Classification – USCS)	Design Bearing Pressure (PSF)	Required Shear Strength From Design (TSF)	Spring Loaded Penetrometer Reading* (TSF)	Correlated Shear Strength (TSF)	Depth Below Footing (in)	Status
Type	Grid Location	Design	Actual								
B	Perimeter Footings Building R	12 x 24	12 x 25	24	Brownish red clay	1500	N/A	3.00		6	1

Remarks

There is about 3 inches of rain water all around footings. Contractor is pumping as much water as possible out before pour later today. I probed all around the footings for any areas of concern/softness and no issues.

Undercuts / Repairs (due to soft soil conditions)

Legend:
A = Column Footing
B = Wall Footing
C = Wall Footing with Column Pads
D = Mat
[1] Record width for wall footings and length by width for column footings.
[2] Depth of excavation as measured from present ground surface.

Status:
1= Tests indicate Adequate Soil Strength
2= Tests indicate Insufficient Soil Strength
3= Footing Accepted after Subgrade Amendment

* Indicates Field Calibrated Penetrometer, which consists of a hand-held calibrated spring-loaded cylinder. Calibrated penetrometer provides estimated unconfined compressive strength in tons per square foot (TSF).
*

- Any soil(s) which become loose or soften(s) as a result of additional construction or exposure to the elements (rain, freezing temperatures, etc.) must be removed from the excavation prior to placement of concrete.
- Soil penetrometer readings are given on an indexed value of the unconfined compressive strength of the soil. Based on the soil being consistent within the foundation's zone of influence below the prepared surface, the bearing capacity is a function of the unconfined compressive strength.
- Due to the nature of this instrument, the report should only be used to confirm or deny anticipated soil conditions. It should not be construed as a soil survey of this site. The above data are only valid for the locations and elevations shown, and do not indicate bearing capacity or strength below the lowest elevation tested.

intertek psi

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Concrete Test Report

Report No: CTR:03533809-55-C1
Issue No: 2
This report replaces all previous issues of this report signed on 10/04/2023

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/25/2023

Mix Data

Supplier: Talon Concrete
Plant: Talon
Mix Identification: GI35C1W4 tal
Specified Design Strength (psi): 3500 at age 28 days

Sample Details

Date Sampled: 09/27/23 **Date Received:** 09/29/23 **Specification:** Mix Design
General Location: Wall footings Buildings R/S
Sample Location: Northeast corner for footing building S
Curing Method: Two day Field/Laboratory Cure
Field Sample No.: **Initial Cure Temp (°F) High:** **Low:**
Contractor:
Ticket no.: 25326146 **Truck No.:** 2305
Sampled By: Douglas Deering
Weather: Clear

		Measured	Specified
Slump (in):	ASTM C 143	4	
Slump w/ plasticizer (in):		N/A	
Air Temp (°F):		83	
Concrete Temp (°F):	ASTM C 1064	88	
Air Content (%)	ASTM C 231	3.0	
Unit Weight (pcf):	ASTM C 138	N/A	
Volume of Density Measure (ft³):		N/A	

Batch Size (yd³): 10.0 **Time Batched:** 13:44
Yd³ Placed: 10.0 **Time Sampled:** 14:20
Water Added (gal) Before: 9 **Time Placed:** 14:35
After: 0 **Time in Truck (mins):** 51

Compressive Strength of Concrete Cylinders — ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)	Tested By
03533809-55-C1\1	10/04/23	7	4.02	8.08	12.69	U	35160	5 SC	2770	Eric Behrens
03533809-55-C1\2	10/25/23	28	4.01	8.03	12.63	U	47630	5 SC	3770	Eric Behrens
03533809-55-C1\3	10/25/23	28	4.01	8.02	12.63	U	48210	2 SC	3820	Eric Behrens
03533809-55-C1\4	10/25/23	28	4.00	8.03	12.57	U	50060	2 SC	3980	Eric Behrens
03533809-55-C1\5		Hold				U		SC		

Average 28 Day Compressive Strength (psi) 3860
Required Strength (psi) 3500

Notes

1. Sampling to ASTM C 172
2. Specimen(s) prepared to ASTM C 31
3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined, G = Ground

Remarks

Fracture Type / Remarks: 2 = Vert crack/ cone opposite end; C1314: Cone & Shear, 5 = Side fracture-opposite ends; C1314: Semi-Conical Break, SC = Condition Satisfactory upon retrieval.

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: FRL:03533809-57
Issue No: 1

Foundation Report

Client: MEGA STORAGE
577 VILLA CT

WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/2/2023

General Details

Date: 9/28/2023 **Technician:** Douglas Deering **Weather:** Clear

Foundation

Foundation I.D.		Footing Dimension [1]		Depth of Excavation from Ground Surface (in) [2]	Bearing Soil Type (Visual Classification – USCS)	Design Bearing Pressure (PSF)	Required Shear Strength From Design (TSF)	Spring Loaded Penetrometer Reading* (TSF)	Correlated Shear Strength (TSF)	Depth Below Footing (in)	Status
Type	Grid Location	Design	Actual								
B	Bldg T & U	12 x 24	12 x 24	24	Red/brown clay	1500	N/A	3.00			1

Remarks

Undercuts / Repairs (due to soft soil conditions)

Legend:
A = Column Footing
B = Wall Footing
C = Wall Footing with Column Pads
D = Mat
[1] Record width for wall footings and length by width for column footings.
[2] Depth of excavation as measured from present ground surface.

Status:
1= Tests indicate Adequate Soil Strength
2= Tests indicate Insufficient Soil Strength
3= Footing Accepted after Subgrade Amendment

* Indicates Field Calibrated Penetrometer, which consists of a hand-held calibrated spring-loaded cylinder. Calibrated penetrometer provides estimated unconfined compressive strength in tons per square foot (TSF).
*

- Any soil(s) which become loose or soften(s) as a result of additional construction or exposure to the elements (rain, freezing temperatures, etc.) must be removed from the excavation prior to placement of concrete.
- Soil penetrometer readings are given on an indexed value of the unconfined compressive strength of the soil. Based on the soil being consistent within the foundation's zone of influence below the prepared surface, the bearing capacity is a function of the unconfined compressive strength.
- Due to the nature of this instrument, the report should only be used to confirm or deny anticipated soil conditions. It should not be construed as a soil survey of this site. The above data are only valid for the locations and elevations shown, and do not indicate bearing capacity or strength below the lowest elevation tested.

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: RSI:03533809-57
Issue No: 1

Reinforcing Steel Observation Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/2/2023

General Details

Date: 9/28/2023 **Technician:** Douglas Deering
Weather: Clear
General Location: Building T & U

Location

- [x] Footing
- [ ] Slab-On-Grade
- [ ] Elevated Slab
- [ ] Piers
- [ ] Columns
- [ ] Beam
- [ ] Pilaster
- [ ] Wall Panel
- [ ] Foundation Wall
- [ ] Other: Building T&U

General Details (cont.)

Building/Unit No.
Elevation (ft):
Specific Location (grid lines): Entire wall perimeter

Plans Used: [ ] Contract Drawings [ ] Approved Shop Drawings
Current Date and Revision/Submittal No. on Drawings: 02.27.23

Drawing (page) and Detail Nos.: F7-F8

Reinforcing Steel

Size & number of bars as specified	Yes	Bars properly tied and positioned	Yes
Lap lengths as specified	Yes	Bars properly supported on chairs,..	Yes
Spacing of bars as specified	Yes	Bars clean (no foreign matter)	Yes
Dowels in place and tied	Yes	Clearance around rebar as specified	Yes
Epoxy coating specified	N/A	Rebar epoxy coated	N/A

Non-Conformance Items

Description	Who Notified	How / Date Corrected

Comments

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: CTR:03533809-57-C1
Issue No: 2
This report replaces all previous issues of this report signed on 10/05/2023

Concrete Test Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/27/2023

Mix Data

Supplier: Talon Concrete
Plant: Talon
Mix Identification: GI35C1W4 tal
Specified Design Strength (psi): 3500 at age 28 days

Sample Details

Date Sampled: 09/28/23 **Date Received:** 10/02/23
General Location: Wall footings Building U&T
Sample Location: Southeast corner of building U
Curing Method: Four day Field/Laboratory Cure
Field Sample No.: **Initial Cure Temp (°F) High:** **Low:**
Contractor:
Ticket no.: 25864113 **Truck No.:** 1607
Sampled By: Douglas Deering
Weather: Clear

Specification: Mix Design

		Measured	Specified
Slump (in):	ASTM C 143	4	
Slump w/ plasticizer (in):		N/A	
Air Temp (°F):		89	
Concrete Temp (°F):	ASTM C 1064	85	
Air Content (%)	ASTM C 231	2.2	
Unit Weight (pcf):	ASTM C 138	N/A	
Volume of Density Measure (ft³):		N/A	

Batch Size (yd³): 10.0 **Time Batched:** 13:36
Yd³ Placed: 10.0 **Time Sampled:** 14:15
Water Added (gal) Before: 25 **Time Placed:** 14:30
After: 0 **Time in Truck (mins):** 54

Compressive Strength of Concrete Cylinders — ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)	Tested By
03533809-57-C1\1	10/05/23	7	3.99	8.05	12.50	U	35870	2 SC	2870	Ryan Long
03533809-57-C1\2	10/26/23	28	4.00	8.09	12.57	U	60810	3 SC	4840	Ryan Long
03533809-57-C1\3	10/26/23	28	4.00	8.11	12.57	U	56710	2 SC	4510	Ryan Long
03533809-57-C1\4	10/26/23	28	3.99	8.06	12.50	U	51390	2 SC	4110	Ryan Long
03533809-57-C1\5		Hold				U		SC		

Average 28 Day Compressive Strength (psi) 4490
Required Strength (psi) 3500

Notes

1. Sampling to ASTM C 172
2. Specimen(s) prepared to ASTM C 31
3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined, G = Ground

Remarks

Fracture Type / Remarks: 2 = Vert crack/ cone opposite end; C1314: Cone & Shear, 3 = Vert cracking/no cones; C1314: Cone & Split, SC = Condition Satisfactory upon retrieval.

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: RSI:03533809-60
Issue No: 1

Reinforcing Steel Observation Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/5/2023

General Details

Date: 10/4/2023 **Technician:** Douglas Deering
Weather: Clear
General Location: Building S

Location

☐ Footing ☑ Slab-On-Grade ☐ Elevated Slab ☐ Piers ☐ Columns
☐ Beam ☐ Pilaster ☐ Wall Panel ☐ Foundation Wall
☐ Other: Interior floors

General Details (cont.)

Building/Unit No. Building S
Elevation (ft):
Specific Location (grid lines):

Plans Used: ☐ Contract Drawings ☐ Approved Shop Drawings
Current Date and Revision/Submittal No. on Drawings: 02.27.23

Drawing (page) and Detail Nos.: F8

Reinforcing Steel

Size & number of bars as specified	Yes	Bars properly tied and positioned	Yes
Lap lengths as specified	Yes	Bars properly supported on chairs,..	Yes
Spacing of bars as specified	Yes	Bars clean (no foreign matter)	Yes
Dowels in place and tied	Yes	Clearance around rebar as specified	Yes
Epoxy coating specified	N/A	Rebar epoxy coated	N/A

Non-Conformance Items

Description	Who Notified	How / Date Corrected

Comments

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: CTR:03533809-60-C1
Issue No: 2
This report replaces all previous issues of this report signed on 10/11/2023

Concrete Test Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 11/10/2023

Mix Data

Supplier: Quicksilver
Plant: Talon
Mix Identification: GI40B1W4
Specified Design Strength (psi): 4000 at age 28 days

Sample Details

Date Sampled: 10/04/23 **Date Received:** 10/05/23 **Specification:** Mix Design
General Location: Building S interior flooring
Sample Location: Northeast corner of building S slab
Curing Method: One day Field/Laboratory Cure
Field Sample No.: **Initial Cure Temp (°F) High:** **Low:**
Contractor:
Ticket no.: 25864217 **Truck No.:** 1624
Sampled By: Douglas Deering
Weather: Clear

		Measured	Specified
Slump (in):	ASTM C 143	4	3.00 to 5.00
Slump w/ plasticizer (in):		N/A	
Air Temp (°F):		65	
Concrete Temp (°F):	ASTM C 1064	79	
Air Content (%)	ASTM C 231	1.8	
Unit Weight (pcf):	ASTM C 138	N/A	
Volume of Density Measure (ft³):		N/A	

Batch Size (yd³): 10.0 **Time Batched:** 07:19
Yd³ Placed: 10.0 **Time Sampled:** 08:15
Water Added (gal) Before: 0 **Time Placed:** 08:30
After: 0 **Time in Truck (mins):** 71

Compressive Strength of Concrete Cylinders — ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)	Tested By
03533809-60-C1\1	10/11/23	7	4.01	8.03	12.63	U	54100	5 SC	4280	Eric Behrens
03533809-60-C1\2	11/01/23	28	4.02	8.05	12.69	U	73650	5 SC	5800	Eric Behrens
03533809-60-C1\3	11/01/23	28	4.02	8.03	12.69	U	67720	5 SC	5340	Eric Behrens
03533809-60-C1\4	11/01/23	28	4.01	8.05	12.63	U	73110	3 SC	5790	Eric Behrens
03533809-60-C1\5		Hold				U		SC		

Average 28 Day Compressive Strength (psi) 5640
Required Strength (psi) 3500

Notes

1. Sampling to ASTM C 172
2. Specimen(s) prepared to ASTM C 31
3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined, G = Ground

Remarks

Fracture Type / Remarks: 3 = Vert cracking/no cones; C1314: Cone & Split, 5 = Side fracture-opposite ends; C1314: Semi-Conical Break, SC = Condition Satisfactory upon retrieval

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Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: CTR:03533809-61-C1
Issue No: 3
This report replaces all previous issues of this report signed on 11/02/2023

Concrete Test Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 11/30/2023

Mix Data

Supplier: Quicksilver
Plant: Talon
Mix Identification: GI40B1W4
Specified Design Strength (psi): 4000 at age 28 days

Sample Details

Date Sampled: 10/05/23 **Date Received:** 10/06/23 **Specification:** Mix Design
General Location: Interior Floor Building R
Sample Location: Northeast corner of building R
Curing Method: One day Field/Laboratory Cure
Field Sample No.: **Initial Cure Temp (°F) High:** **Low:**
Contractor:
Ticket no.: 25326455 **Truck No.:** 1613
Sampled By: Douglas Deering
Weather: Clear

		Measured	Specified
Slump (in):	ASTM C 143	5.5	3.00 to 5.00
Slump w/ plasticizer (in):		N/A	
Air Temp (°F):		61	
Concrete Temp (°F):	ASTM C 1064	78	
Air Content (%)	ASTM C 231	2.0	
Unit Weight (pcf):	ASTM C 138	N/A	
Volume of Density Measure (ft³):		N/A	

Batch Size (yd³): 10.0 **Time Batched:** 07:58
Yd³ Placed: 10.0 **Time Sampled:** 08:45
Water Added (gal) Before: 0 **Time Placed:** 09:00
After: 0 **Time in Truck (mins):** 62

Compressive Strength of Concrete Cylinders — ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)	Tested By
03533809-61-C1\1	10/12/23	7	4.01	7.99	12.63	U	37260	3 SC	2950	Ryan Long
03533809-61-C1\2	11/02/23	28	4.02	8.03	12.69	U	49090	5 SC	3870	Eric Behrens
03533809-61-C1\3	11/02/23	28	4.02	8.03	12.69	U	50170	5 SC	3950	Eric Behrens
03533809-61-C1\4	11/02/23	28	4.03	8.03	12.76	U	54230	5 SC	4250	Eric Behrens
03533809-61-C1\5	11/30/23	56	4.00	8.00	12.57	U	56780	5 SC	4520	

Average 28 Day Compressive Strength (psi) 4020
Required Strength (psi) 3500

Notes

1. Sampling to ASTM C 172
2. Specimen(s) prepared to ASTM C 31
3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined, G = Ground

Remarks

Fracture Type / Remarks: 3 = Vert cracking/no cones, C1314: Cone & Split, 5 = Side fracture-opposite ends, C1314: Semi-Conical Break, SC = Condition Satisfactory upon retrieval.

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: RSI:03533809-61
Issue No: 1

Reinforcing Steel Observation Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/6/2023

General Details

Date: 10/5/2023 **Technician:** Douglas Deering
Weather: Clear
General Location: Building R interior Floor

Location

☐ Footing ☑ Slab-On-Grade ☐ Elevated Slab ☐ Piers ☐ Columns
☐ Beam ☐ Pilaster ☐ Wall Panel ☐ Foundation Wall
☐ Other: Interior Floor Fiber Mesh Rebar

General Details (cont.)

Building/Unit No. Building R
Elevation (ft):
Specific Location (grid lines):

Plans Used: ☑ Contract Drawings ☐ Approved Shop Drawings
Current Date and Revision/Submittal No. on Drawings: 02.27.23

Drawing (page) and Detail Nos.: F6

Reinforcing Steel

Size & number of bars as specified	Yes	**Bars properly tied and positioned**	Yes
Lap lengths as specified	Yes	**Bars properly supported on chairs,..**	Yes
Spacing of bars as specified	Yes	**Bars clean (no foreign matter)**	Yes
Dowels in place and tied	Yes	**Clearance around rebar as specified**	Yes
Epoxy coating specified	N/A	**Rebar epoxy coated**	N/A

Non-Conformance Items

Description	Who Notified	How / Date Corrected

Comments

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: RSI:03533809-63
Issue No: 1

Reinforcing Steel Observation Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR, TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 10/11/2023

General Details

Date: 10/10/2023 **Technician:** Douglas Deering
Weather: Clear
General Location: Interior Floor buildings U & T

Location

☐ Footing ☑ Slab-On-Grade ☐ Elevated Slab ☐ Piers ☐ Columns
☐ Beam ☐ Pilaster ☐ Wall Panel ☐ Foundation Wall
☐ Other: Interior Floor

General Details (cont.)

Building/Unit No. U&T
Elevation (ft):
Specific Location (grid lines): Entire slab for both buildings

Plans Used: ☐ Contract Drawings ☐ Approved Shop Drawings
Current Date and Revision/Submittal No. on Drawings: 02.27.23

Drawing (page) and Detail Nos.: F9 / F10

Reinforcing Steel

Size & number of bars as specified	Yes	Bars properly tied and positioned	Yes
Lap lengths as specified	Yes	Bars properly supported on chairs,..	Yes
Spacing of bars as specified	Yes	Bars clean (no foreign matter)	Yes
Dowels in place and tied	Yes	Clearance around rebar as specified	Yes
Epoxy coating specified	N/A	Rebar epoxy coated	N/A

Non-Conformance Items

Description	Who Notified	How / Date Corrected

Comments

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Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Report No: CTR:03533809-63-C1
Issue No: 2
This report replaces all previous issues of this report signed on 10/17/2023

Concrete Test Report

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 11/8/2023

Mix Data

Supplier: Quicksilver
Plant: Talon
Mix Identification: GI40B1W4
Specified Design Strength (psi): 4000 at age 28 days

Sample Details

Date Sampled: 10/10/23 **Date Received:** 10/11/23 **Specification:** Mix Design
General Location: Building U interior Floor
Sample Location: Southeast corner of building U slab
Curing Method: One day Field/Laboratory Cure
Field Sample No.: **Initial Cure Temp (°F) High:** **Low:**
Contractor:
Ticket no.: 25326620 **Truck No.:** 1613
Sampled By: Douglas Deering
Weather: Clear

		Measured	Specified
Slump (in):	ASTM C 143	6	3.00 to 5.00
Slump w/ plasticizer (in):		N/A	
Air Temp (°F):		45	
Concrete Temp (°F):	ASTM C 1064	70	
Air Content (%)	ASTM C 231	2.2	
Unit Weight (pcf):	ASTM C 138	N/A	
Volume of Density Measure (ft³):		N/A	

Batch Size (yd³): 10.0 **Time Batched:** 07:39
Yd³ Placed: 10.0 **Time Sampled:** 08:00
Water Added (gal) Before: 0 **Time Placed:** 08:15
After: 0 **Time in Truck (mins):** 36

Compressive Strength of Concrete Cylinders — ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)	Tested By
03533809-63-C1\1	10/17/23	7	4.02	8.00	12.69	U	47690	5 SC	3760	Eric Behrens
03533809-63-C1\2	11/07/23	28	4.01	7.98	12.63	U	63360	5 SC	5020	Ryan Long
03533809-63-C1\3	11/07/23	28	4.00	7.97	12.57	U	67330	5 SC	5360	Ryan Long
03533809-63-C1\4	11/07/23	28	4.00	7.99	12.57	U	64720	2 SC	5150	Ryan Long
03533809-63-C1\5		Hold				U		SC		

Average 28 Day Compressive Strength (psi) 5180
Required Strength (psi) 3500

Notes

1. Sampling to ASTM C 172
2. Specimen(s) prepared to ASTM C 31
3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined, G = Ground

Remarks

Fracture Type / Remarks: 2 = Vert crack/ cone opposite end; C1314: Cone & Shear, 5 = Side fracture-opposite ends; C1314: Semi-Conical Break, SC = Condition Satisfactory upon retrieval.

intertek psi

Professional Service Industries, Inc.
2828 South 44th Street
Kansas City, KS 66106

Phone: (913) 310-1600
Fax: (913) 310-1601

Concrete Test Report

Report No: CTR:03533809-63-C2
Issue No: 2
This report replaces all previous issues of this report signed on 10/17/2023

Client: MEGA STORAGE
577 VILLA CT
WEST DES MOINES, IA 50266

CC: RUSS TAYLOR
TROY PORTER

Project: MEGA STORAGE LEE'S SUMMIT
LEE'S SUMMIT, MO

Approved Signatory: William Odell (Senior Project Manager)
Date of Issue: 11/8/2023

Mix Data

Supplier: Quicksilver
Plant: Talon
Mix Identification: GI40B1W4
Specified Design Strength (psi): 4000 at age 28 days

Sample Details

Date Sampled: 10/10/23 **Date Received:** 10/11/23
General Location: Building T interior Floor
Sample Location: Northeast corner of building T slab
Curing Method: One day Field/Laboratory Cure
Field Sample No.: **Initial Cure Temp (°F) High:** **Low:**
Contractor:
Ticket no.: 25864347 **Truck No.:** 2104
Sampled By: Douglas Deering
Weather: Clear

Specification: Mix Design

		Measured	Specified
Slump (in):	ASTM C 143	5.5	3.00 to 5.00
Slump w/ plasticizer (in):		N/A	
Air Temp (°F):		60	
Concrete Temp (°F):	ASTM C 1064	82	
Air Content (%)	ASTM C 231	2.5	
Unit Weight (pcf):	ASTM C 138	N/A	
Volume of Density Measure (ft³):		N/A	

Batch Size (yd³): 10.0 **Time Batched:** 09:35
Yd³ Placed: 110.0 **Time Sampled:** 10:35
Water Added (gal) Before: 0 **Time Placed:** 10:50
After: 0 **Time in Truck (mins):** 75

Compressive Strength of Concrete Cylinders — ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)	Tested By
03533809-63-C2\1	10/17/23	7	4.02	8.01	12.69	U	47790	5 SC	3770	Eric Behrens
03533809-63-C2\2	11/07/23	28	4.00	8.03	12.57	U	74650	2 SC	5940	Ryan Long
03533809-63-C2\3	11/07/23	28	4.00	8.04	12.57	U	72250	2 SC	5750	Ryan Long
03533809-63-C2\4	11/07/23	28	4.00	8.05	12.57	U	65630	5 SC	5220	Ryan Long
03533809-63-C2\5		Hold				U		SC		

Average 28 Day Compressive Strength (psi) 5640
Required Strength (psi) 3500

Notes

1. Sampling to ASTM C 172
2. Specimen(s) prepared to ASTM C 31
3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined, G = Ground

Remarks

Fracture Type / Remarks: 2 = Vert crack/ cone opposite end; C1314: Cone & Shear, 5 = Side fracture-opposite ends; C1314: Semi-Conical Break, SC = Condition Satisfactory upon retrieval.