



2450 TRAILS WEST AVENUE
COLUMBIA, MO 65202
(573) 445-4465
WWW.ROSTLANDSCAPING.COM

LANDSCAPE DEVELOPMENT FOR
STORAGE MART 156
3920 S STATE ROAD 291, LEES SUMMIT, MO

DATE: 11.27.18
DESIGNER: JP
SCALE: 1"=20'-0"

REVISIONS:
0.0.0

SHEET NUMBER:
LS1

PROJECT NUMBER:

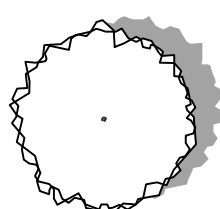
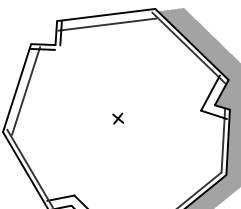
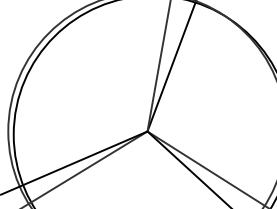
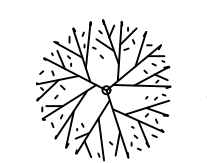
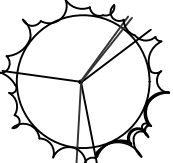
REPRODUCTION OF THESE PLANS IN WHOLE OR PART OR THE
REPRODUCTION OF DERIVATIVE WORKS THEREOF WITHOUT
THE WRITTEN PERMISSION OF ROST INC IS PROHIBITED.
USE OF THESE PLANS IS LIMITED TO THE CONSTRUCTION OF
THIS PROJECT ONLY. USE OF THESE PLANS FOR ANY PURPOSE
OTHER THAN USE ON THIS PROJECT IS STRICTLY PROHIBITED.

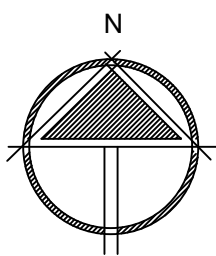
LANDSCAPE COMPLIANCE:		
LANDSCAPE REQUIREMENTS	REQUIREMENTS	PROPOSED
1 TREE PER 30' OF STREET FRONTAGE	STREET FRONTAGE = 284' 284/30 = 10 TREES	10 TREES
1 SHRUB PER 20' OF STREET FRONTAGE	STREET FRONTAGE = 284' 284/20 = 15 TREES	15 SHRUBS
STREET FRONTAGE GREEN STRIP	20'	20'
2 SHRUBS PER 5,000 SQ.FT. OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT	55,449 SQ.FT.-15,150 SQ.FT. = 40,299 SQ.FT./5,000 x 2 = 16 SHRUBS	16 SHRUBS
1 TREE PER 5,000 SQ.FT. OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT	55,449 SQ.FT.-15,150 SQ.FT. = 40,299 SQ.FT./5,000 = 8 TREES	8 TREES
1 SHADE TREE PER 500 SQ.FT. OF BUFFER AREA 1 ORNAMENTAL TREE PER 750 SQ.FT. OF BUFFER AREA 1 EVERGREEN TREE PER 300 SQ.FT. OF BUFFER AREA 1 SHRUB PER 200 SQ.FT. OF BUFFER AREA	BUFFER AREA = 3,740 SQ.FT. 3,750/500 = 8 SHADE TREES 3,750/750 = 5 ORNAMENTAL TREES 3,750/300 = 13 EVERGREEN TREES 3,750/200 = 19 SHRUBS	8 SHADE TREES 5 ORNAMENTAL TREES 13 EVERGREEN TREES 19 SHRUBS

THE PLANT LIST IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL PLANT COUNTS AND IF A DISCREPANCY EXISTS THE PLAN SHALL GOVERN. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING AWARE OF ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES. THE LANDSCAPE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION.

LANDSCAPE CONTRACTOR TO RECEIVE SITE GRADED TO +/-0.10 FOOT OF FINISHED GRADE. PLANTING BACK FILL MIX IS TO CONSIST OF 80% NATIVE TOPSOIL, AND 20% ORGANIC MATTER. SHRUB BEDS, BERMS, AND TREE WELLS ARE TO BE MULCHED WITH 3-4" DYED HARDWOOD MULCH. ALL SEEDED AREAS WITH A SLOPE OF 2:1 OR GREATER SHALL BE CONTROLLED WITH EROSION CONTROL NETTING. ALL BED AND LAWN AREAS SHALL BE IRRIGATED WITH POP-UP SPRAY HEADS. ALL LAWN AREAS TO BE SODDED WITH TALL FESCUE SOD. LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF TWELVE MONTHS. ALL PLANTING BEDS AND TREE RINGS TO BE SEPERATED FROM TURF AREAS BY "V" TRENCHING. ALL PLANT MATERIAL MUST MEET THE SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF NURSERYMEN.

PLANT SCHEDULE

SYMBOL	QUANTITY - TYPE OF PLANT - EXAMPLES OF PLANTS - SIZE PLANTED
  	20 - SHADE TREE - RED MAPLE, RED OAK, WHITE OAK, ETC - 5" (MIN.)
 	11 - ORNAMENTAL TREE - DECIDUOUS HOLLY, REDBUD, GREEN HAWTHORNE, ETC - 2" CAL OR 6-8" H
 	8 - EVERGREEN TREE - EASTERN RED CEDAR, LACEBARK PINE, ETC - 6" H (MIN.)
  	29 - FLOWERING SHRUB - BLACK HAW VIBURNUM (FOR BUFFER), WILD HYDRANGEA, NINEBARK, ETC - 5 GAL
  	21 - EVERGREEN SHRUB - SKY ROCKET JUNIPER, DWARF ABSORBITAE, ETC - 5 GAL



SCALE: 1" = 20'
0 10 20 40

SITE LIGHTING GENERAL NOTES

1. MAX / MIN RATIOS CALCULATED PER LIGHTING ORDINANCES, BASED ON 95% OF POINTS, LOWER & UPPER 2.5% EXCLUDED.
2. POLE LOCATIONS, LIGHT FIXTURES AND FIXTURE MOUNTING HEIGHTS HAVE BEEN CAREFULLY SELECTED IN ORDER TO MEET REQUIRED LIGHTING LEVELS. ANY REQUESTED CHANGES MUST BE IN WRITING TO THE ENGINEER AND ACCOMPANIED BY A PHOTOMETRIC PLAN INDICATING THE COMPLIANCE WITH THE OWNERS AND THE LOCAL ORDINANCE LIGHTING REQUIREMENTS. CHANGES MUST BE APPROVED IN WRITING BY THE ENGINEER. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN THE CONTRACTOR REPLACING OR RELOCATING FIXTURES AND/OR POLES AT THEIR EXPENSE.

SITE LIGHTING PLAN KEY NOTES

- ① LIGHT FIXTURE MOUNTED AT 12' ABOVE FINISHED GRADE

SITE LIGHTING SCHEDULE											
MARK	MANUFACTURER*	MODEL NO.*	TYPE	VOLTS	WATTS	LUMENS	CCT (°K)	CRI	LAMPS	MOUNTING	REMARKS
WP1	MCGRAW-EDISON	GWC-AF-01-LED-E1-T2-600	LED WALL PACK	120 / 277	34	4110	4000	70	LED	WALL	MOUNTED AT 15' AFG UNLESS OTHERWISE NOTED
WP2	MCGRAW-EDISON	GWC-AF-01-LED-E1-T3	LED WALL PACK	120 / 277	59	6399	4000	70	LED	WALL	MOUNTED AT 15' AFG
WP3	MCGRAW-EDISON	GWC-AF-01-LED-E1-T4FT	LED WALL PACK	120 / 277	59	6395	4000	70	LED	WALL	MOUNTED AT 15' AFG
WP4	MCGRAW-EDISON	GWC-AF-01-LED-E1-T4FT-1200	LED WALL PACK	120 / 277	67	6211	4000	70	LED	WALL	MOUNTED AT 15' AFG
* OR EQUAL											

CALCULATION SUMMARY							
LABEL	CALC TYPE	UNITS	AVERAGE	MAXIMUM	MINIMUM	AVG / MIN	MAX / MIN
PARKING LOT	ILLUMINANCE	Fc	1.73	4.4	0.3	5.77	14.67
PROPERTY LINE	ILLUMINANCE	Fc	0.08	0.5	0	N/A	N/A



SITE PHOTOMETRIC PLAN
SCALE: 1" = 20'

DRAWINGS ARE THE PROPERTY OF
TIMBERLAKE ENGINEERING AND MAY NOT BE COPIED OR USED
IN WHOLE OR PART WITHOUT THE WRITTEN PERMISSION
OF TIMBERLAKE ENGINEERING.

DO NOT SCALE THIS DRAWING.
SOME DEVIATION FROM SCALE MAY OCCUR.

ISSUE TITLE	DATE
PERMIT SET	11-27-2018

THE PROFESSIONAL ENGINEER'S SEAL ON THIS DRAWING
HAS BEEN AFFIXED IN ACCORDANCE WITH
THE REQUIREMENTS OF CHAPTER 327, RSMO.
IN AFFIXING THIS SEAL, THE ENGINEER TAKES
RESPONSIBILITY FOR THE WORK SHOWN
ON THIS DRAWING ONLY, AND HEREBY DISCLAIMS
ANY AND ALL RESPONSIBILITY FOR OTHER
PROJECT DRAWINGS NOT DIRECTLY BEARING THIS SEAL.



Mark Timberlake, P.E. November 27, 2018
PE-22105
MO Certificate of Authority #2006012388



912 Old 63 South phone 573.875.4365
Columbia, MO 65201 www.timberlakeengineering.com

PROJECT No.	DESIGNED BY	MBT
15353	CHECKED BY	MBT
DRAWN BY	DET	

PROJECT

STORAGE MART ADDITION

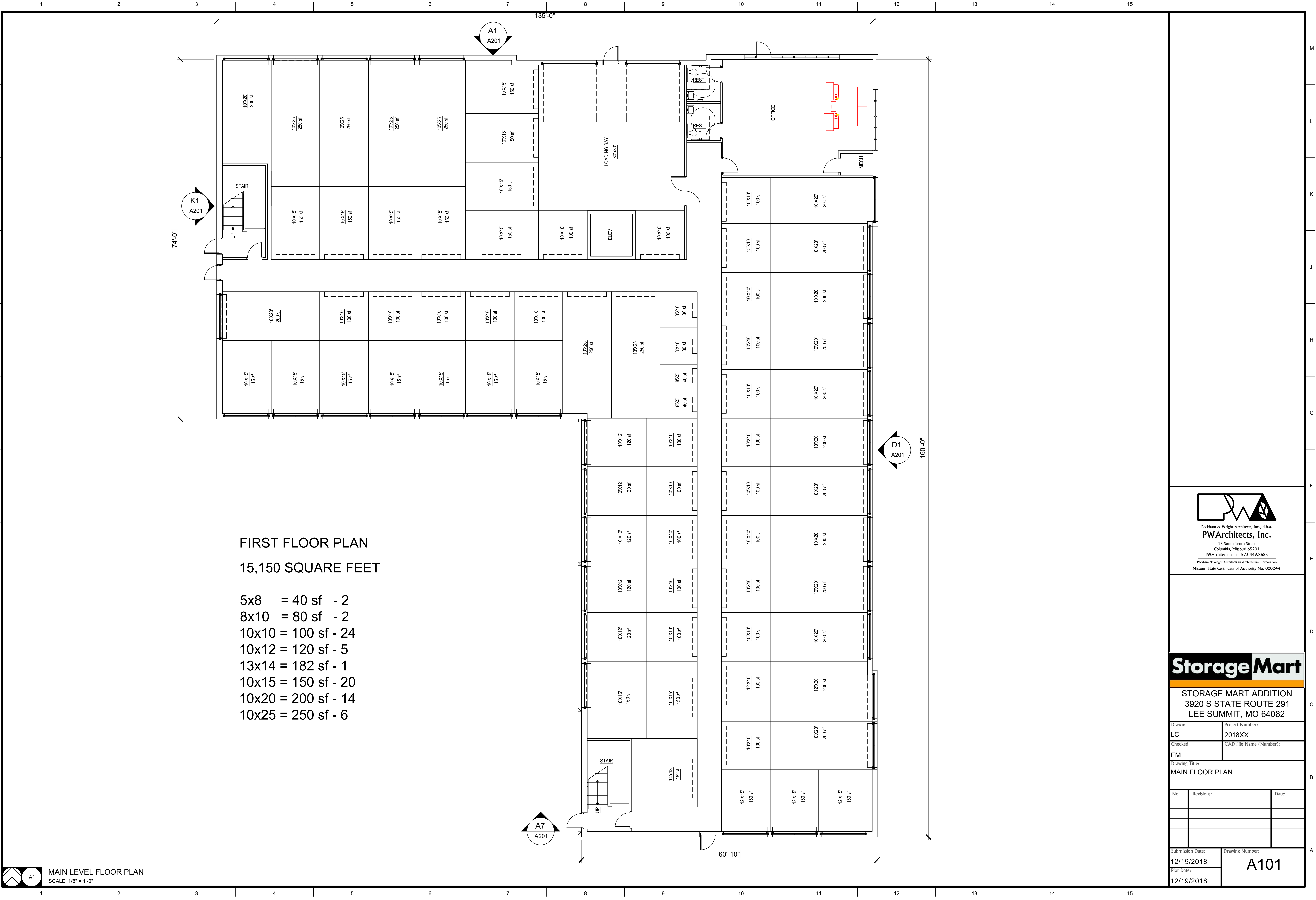
3920 South State Route 291
Lee's Summit, Jackson County, Missouri

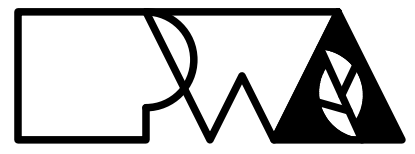
SHEET TITLE

SITE PHOTOMETRIC
PLAN

SHEET NUMBER

MEP2

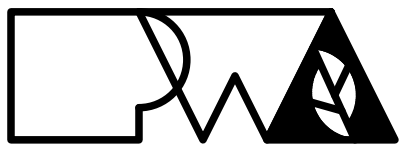



Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
15 South Tenth Street
Columbia, Missouri 65201
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244



STORAGE MART ADDITION
3920 S STATE ROUTE 291
LEE SUMMIT, MO 64082

Drawn: LC		Project Number: 2018XX	
Checked: EM		CAD File Name (Number):	
Drawing Title: MAIN FLOOR PLAN			
No.	Revisions:	Date:	
Submission Date: 12/19/2018		Drawing Number: A101	
Plot Date: 12/19/2018			



Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
15 South Tenth Street
Columbia, Missouri 65201
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

Storage Mart

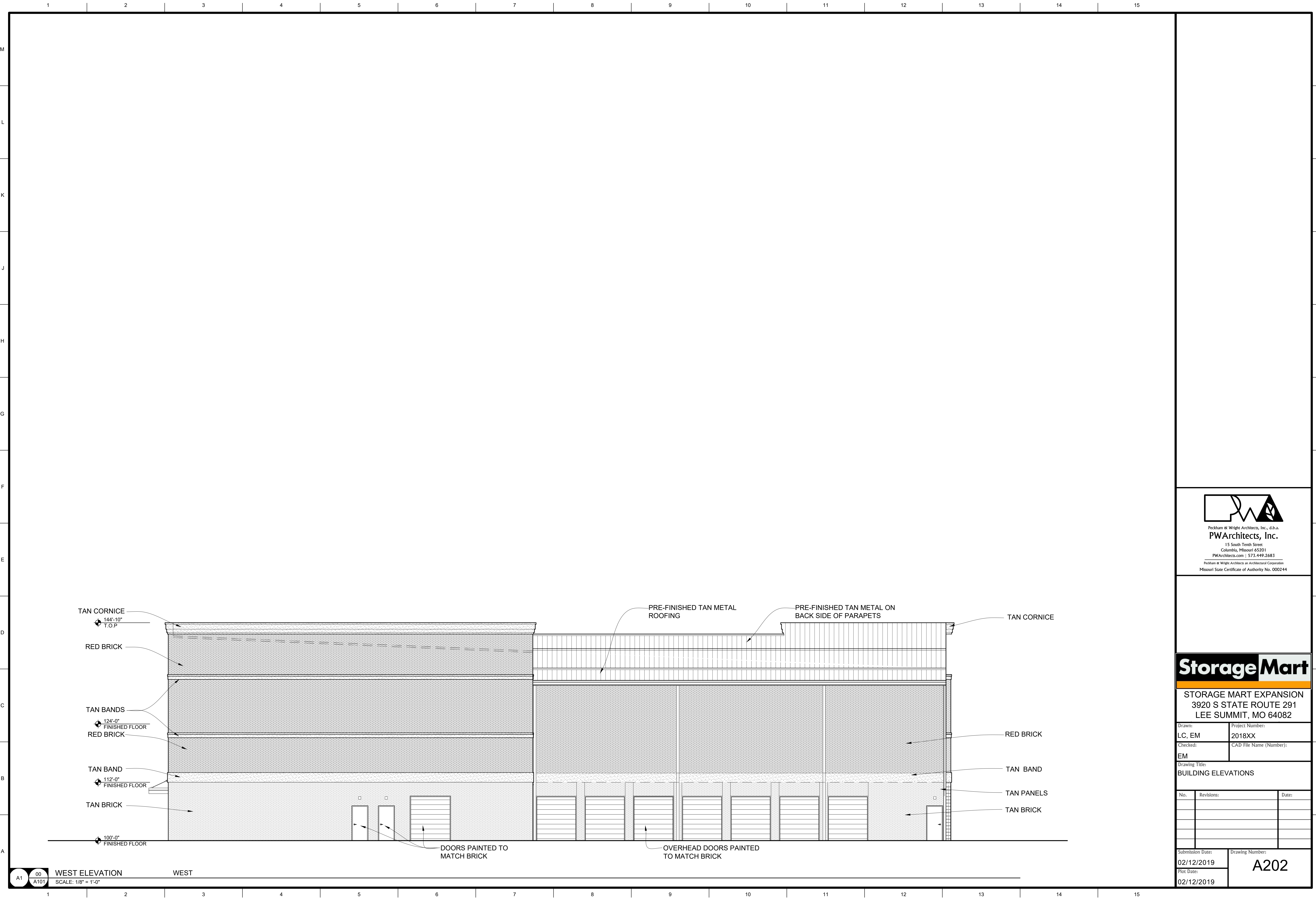
STORAGE MART EXPANSION
3920 S STATE ROUTE 291
LEE SUMMIT, MO 64082

Drawn:	Project Number:
LC, EM	2018XX
Checked:	CAD File Name (Number):
EM	

Drawing Title:
BUILDING ELEVATIONS

No.	Revisions:	Date:

Submission Date:	Drawing Number:
02/12/2019	A201
Plot Date:	
02/12/2019	



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

M

L

K

J

H

G



G1 00 A101 VIEW FROM THE WEST
SCALE: N.T.S.

F

E

D

C

B

A



A1 00 A101 VIEW FROM HWY 291
SCALE: N.T.S.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

M

L

K

J

H

G

F

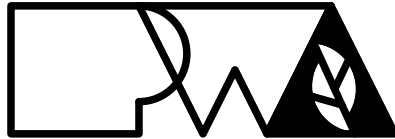
E

D

C

B

A



Pearchitects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Suite 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Pearchitects & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

StorageMart

STORAGE MART EXPANSION
3920 S STATE ROUTE 291
LEE SUMMIT, MO 64082

Drawn:	Project Number:
LC, EM	2018XX
Checked:	CAD File Name (Number):
EM	

Drawing Title:
BUILDING ELEVATIONS

No.	Revisions:	Date:

Submission Date:	Drawing Number:
02/12/2019	A203
Plot Date:	
02/12/2019	