CITY OF MADISON

2016 PARKING GARAGE MAINTENANCE MADISON, WISCONSIN

CITY OF MADISON CONTRACT NO. 7716 **BID DRAWINGS**

STATE STREET CAMPUS (LAKE) GARAGE **415 NORTH LAKE STREET**

STATE STREET CAMPUS (FRANCES) GARAGE 430 N. FRANCES ST.

STATE STREET CAPITOL GARAGE 214 NORTH CARROLL STREET

OVERTURE CENTER GARAGE 318 WEST MIFFLIN STREET

CAPITOL SQUARE NORTH GARAGE 218 EAST MIFFLIN STREET

ONLY. DETERIORATED CONCRETE AND CRACKS TO BE REPAIRED WILL BE DESIGNATED BY THE ENGINEER AT THE TIME OF CONSTRUCTION

GOVERNMENT EAST GARAGE 215 SOUTH PINCKNEY STREET



DRAWING INDEX

TITLE SHEET	T1
CAPITOL SQUARE NORTH GARAGE	CN1 - CN4
OVERTURE CENTER RAMP	OC1 - OC6
STATE STREET CAMPUS (LAKE) GARAGE	SL1 - SL6
STATE STREET CAMPUS (FRANCES) GARAGE	SF1 - SF6
STATE STREET CAPITOL GARAGE	SC1 - SC5
RESTORATION DETAILS	D1 - D3

INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THESE DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE THE ACTUAL EXISTING FIELD CONDITIONS. JSD PROFESSIONAL SERVICES, INC. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THE NEW WORK. REPORT DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ENGINEER FOR REVIEW. ANY WORK PERFORMED PRIOR TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT. CONTRACTORS ARE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO TEMPORARY SUPPORTS, SHORING, AND FORMING TO SUPPORT IMPOSED LOADS AND OTHER SIMILAR ITEMS, THE LOCATION OF DETERIORATED CONCRETE AND CRACKS SHOWN ARE FOR REFERENCE PURPOSES.

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TITLE SHEET

PARTIAL CITY OF MADISON LOCATION MAP

CIVIL ENGINEERING

- SURVEYING & MAPPING CONSTRUCTION SERVICES WATER RESOURCES
- PLANNING & DEVELOPMENT
- TRANSPORTATION ENGINEERIN
- STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE

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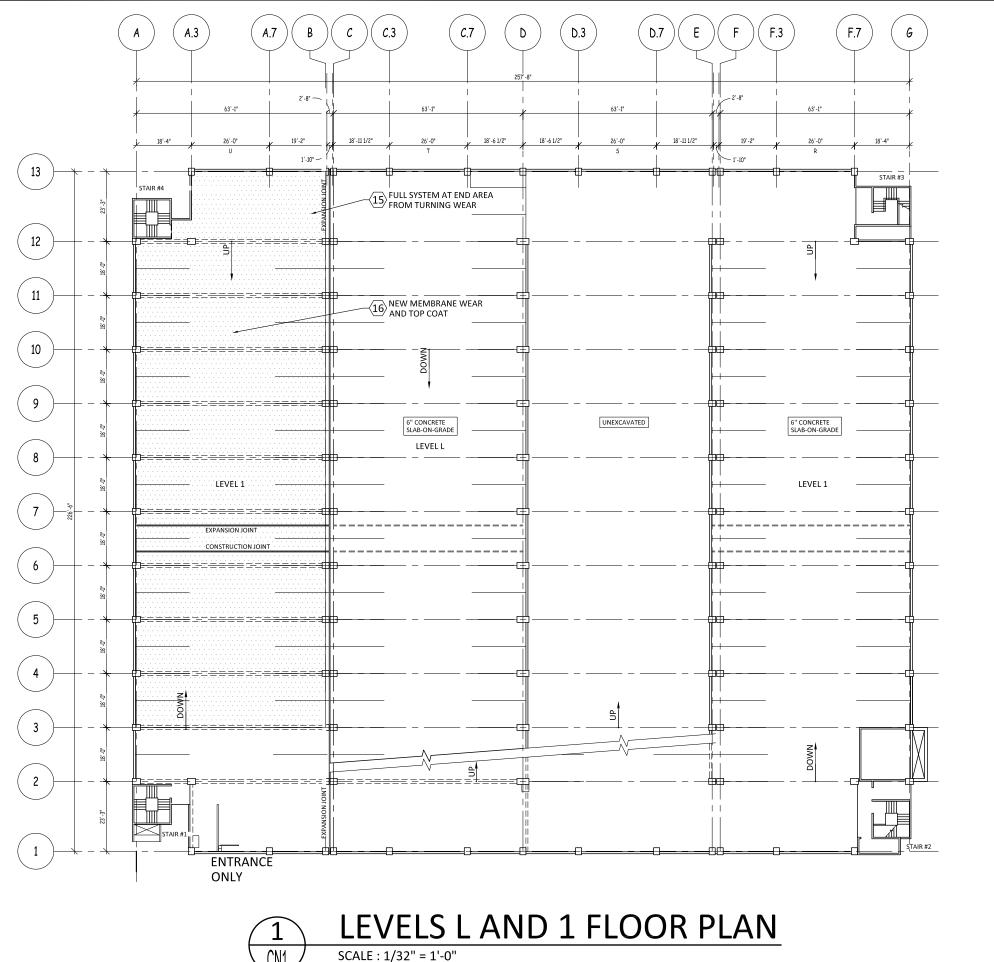
UTILITY

2016 PARKING RAMP RESTORATION

CITY OF MADISON DANE COUNTY, WI

ISD PROJECT NO

ALTHOUGH EVERY EFFORT HAS BEEN MADE N PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE CONTRACTOR





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2016 PARKING RAMP RESTORATION

CAPITOL SQUARE NORTH

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AN MODIFI	CATIONS:		DATE:



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LEVELS L AND 1 FLOOR PLAN

CN1

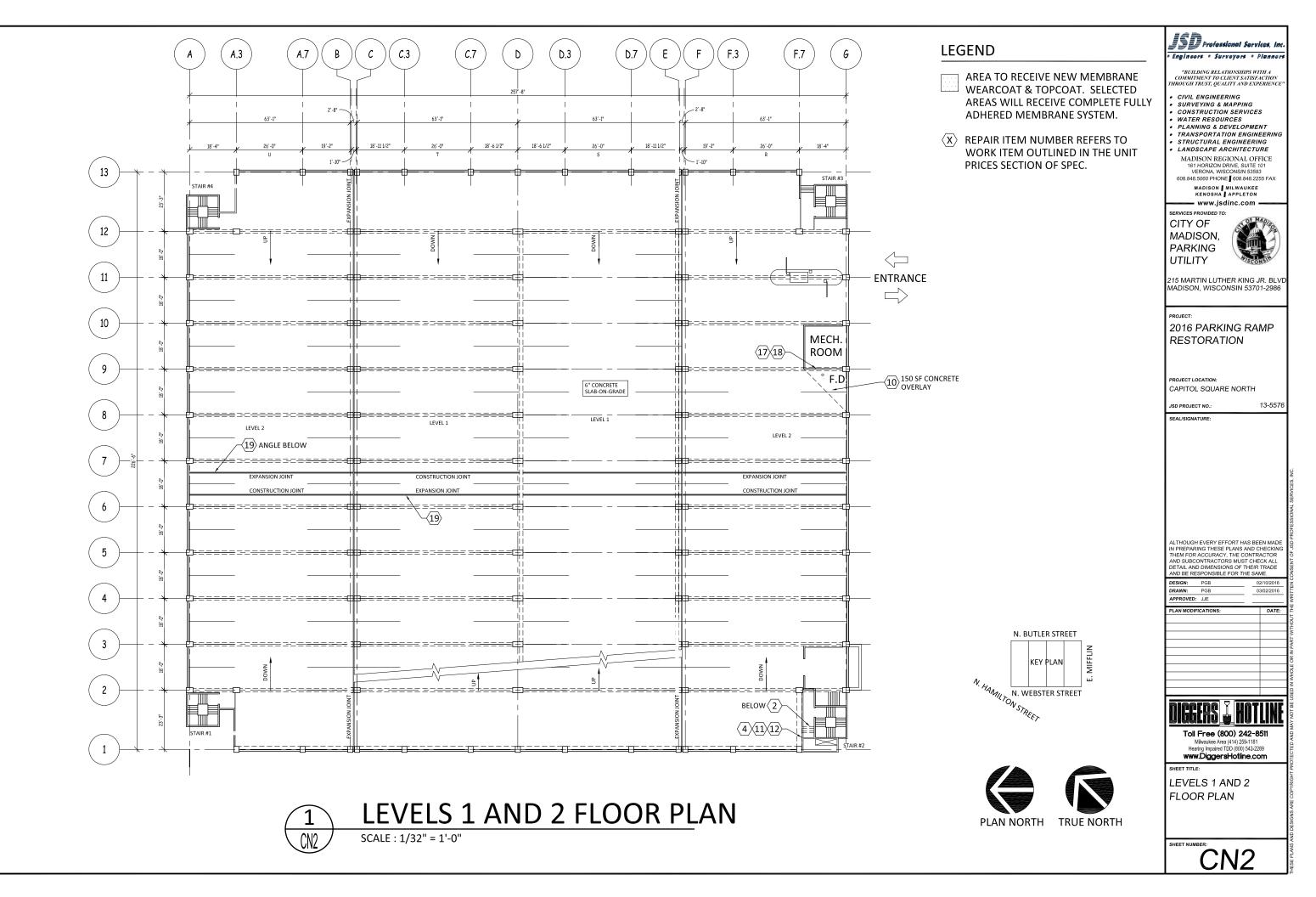
PLAN NORTH TRUE NORTH

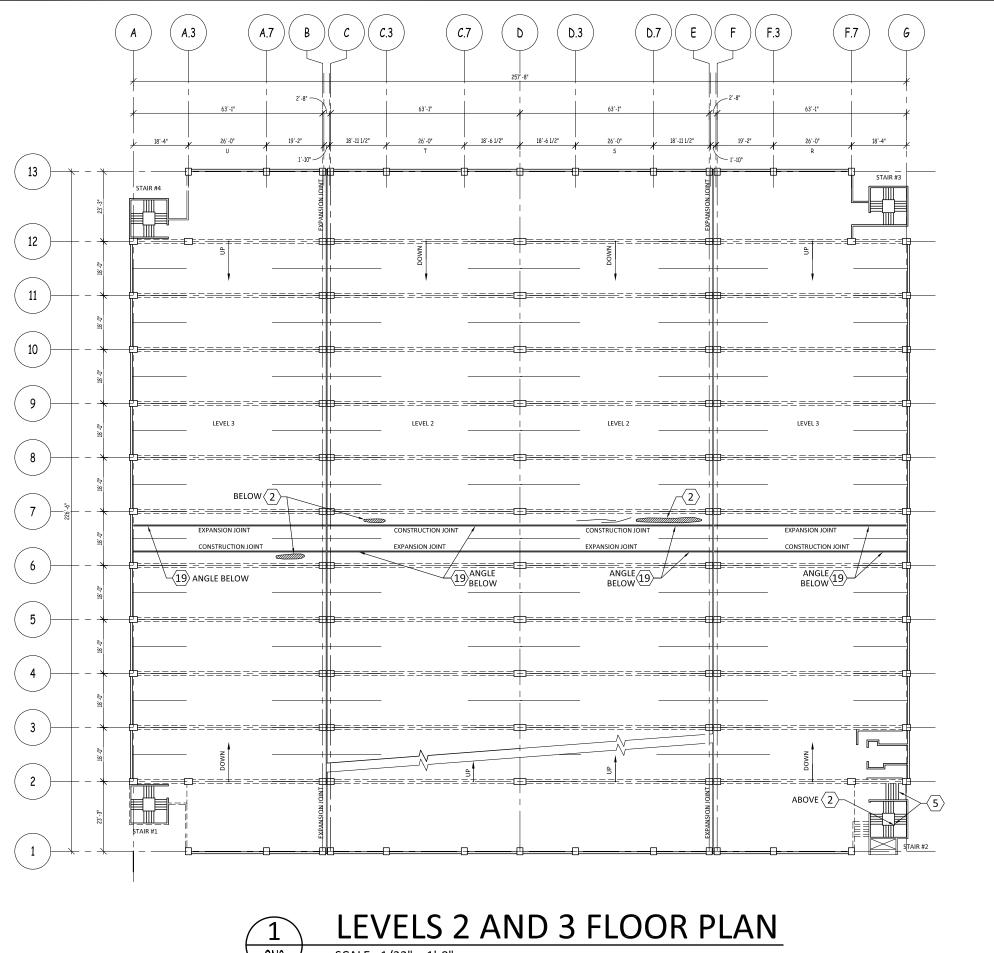
N. HAMILTON STREET

N. BUTLER STREET

KEY PLAN

N. WEBSTER STREET





- AREA TO RECEIVE NEW MEMBRANE WEARCOAT & TOPCOAT. SELECTED AREAS WILL RECEIVE COMPLETE FULLY ADHERED MEMBRANE SYSTEM.
- X REPAIR ITEM NUMBER REFERS TO WORK ITEM OUTLINED IN THE UNIT PRICES SECTION OF SPEC.



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CAPITOL SQUARE NORTH

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LEVELS 2 AND 3 FLOOR PLAN

CN3

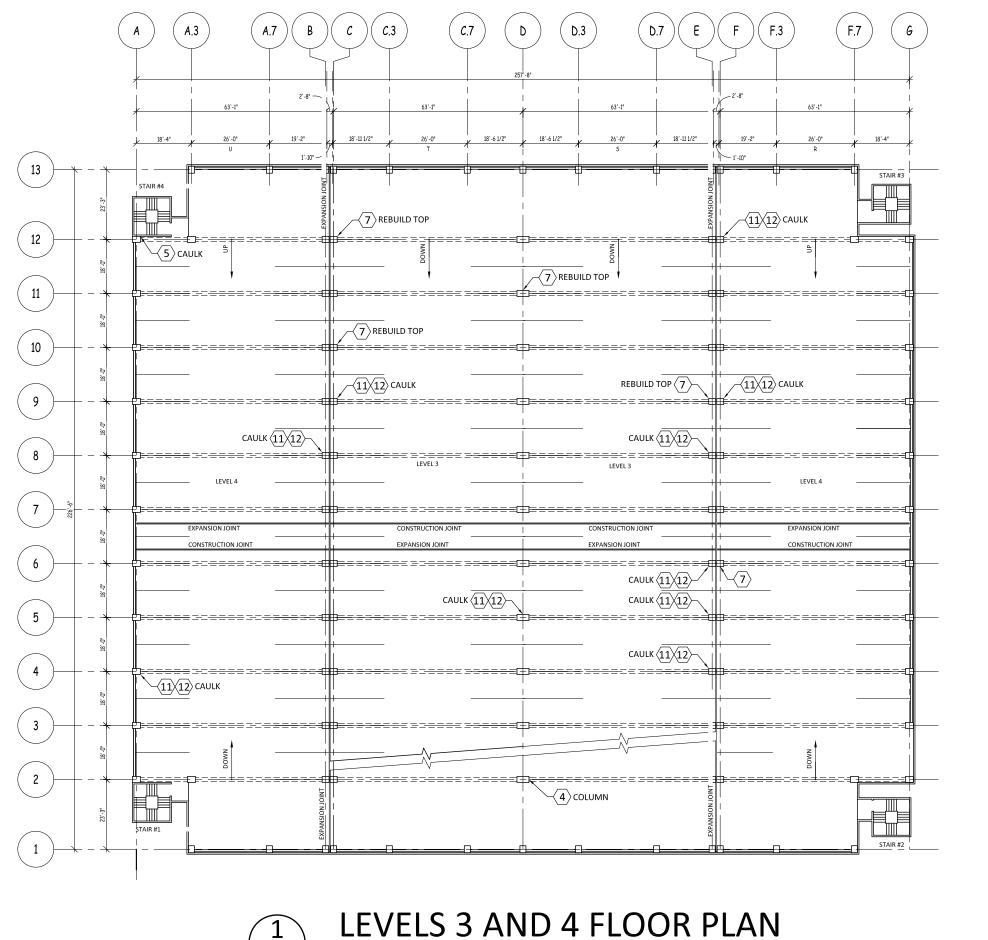
N. HANILTON STREET

N. BUTLER STREET

KEY PLAN

N. WEBSTER STREET

SCALE: 1/32" = 1'-0"





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LEVELS 3 AND 4 FLOOR PLAN

CN4

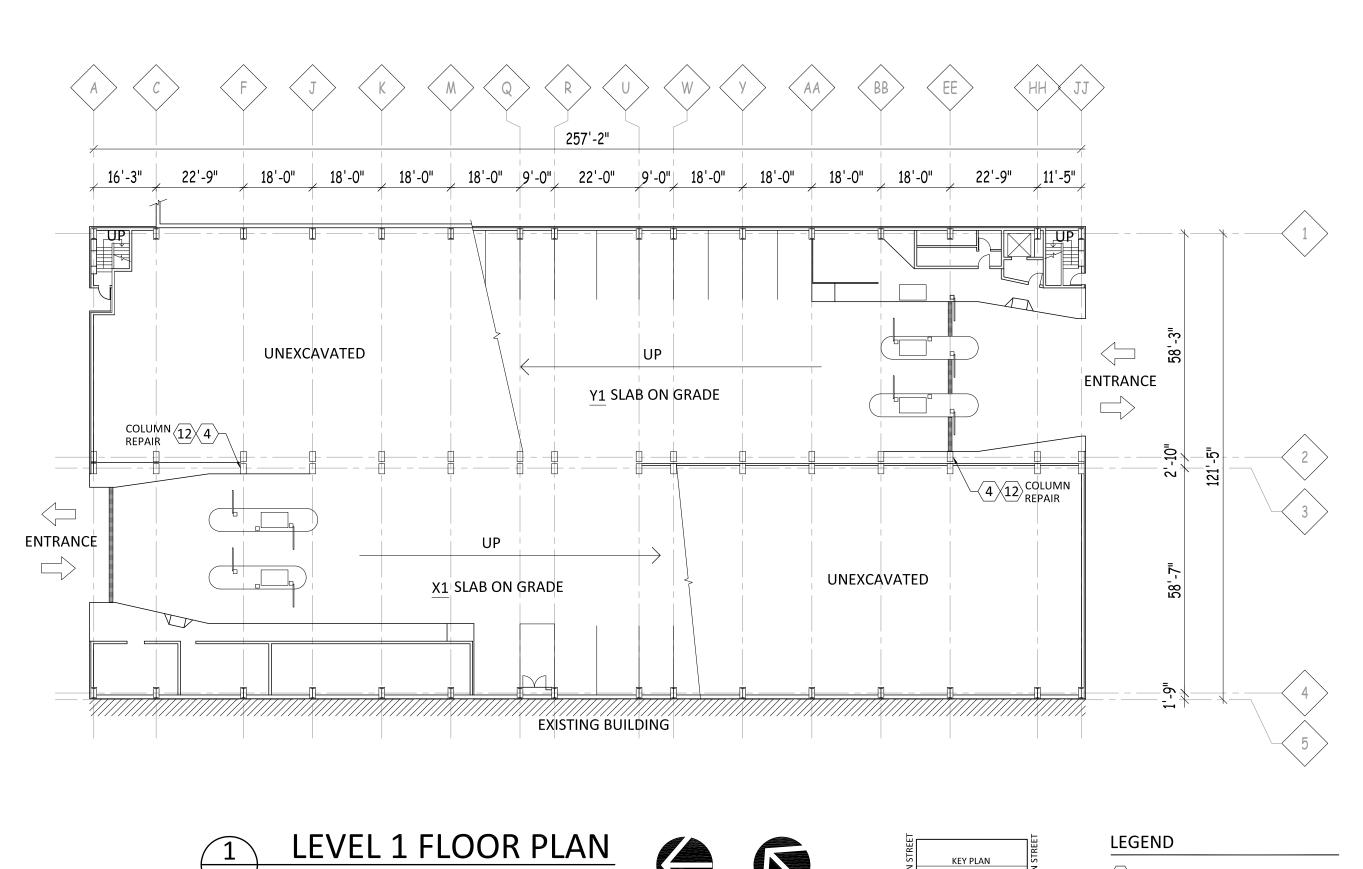
N. HANILTON STREET

N. BUTLER STREET

KEY PLAN

N. WEBSTER STREET

SCALE: 1/32" = 1'-0"



SCALE: NONE

KEY PLAN

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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: OVERTURE CENTER RAMP

SEAL/SIGNATURE:

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DESIGN: PGB

PLAN MODIFICATIONS

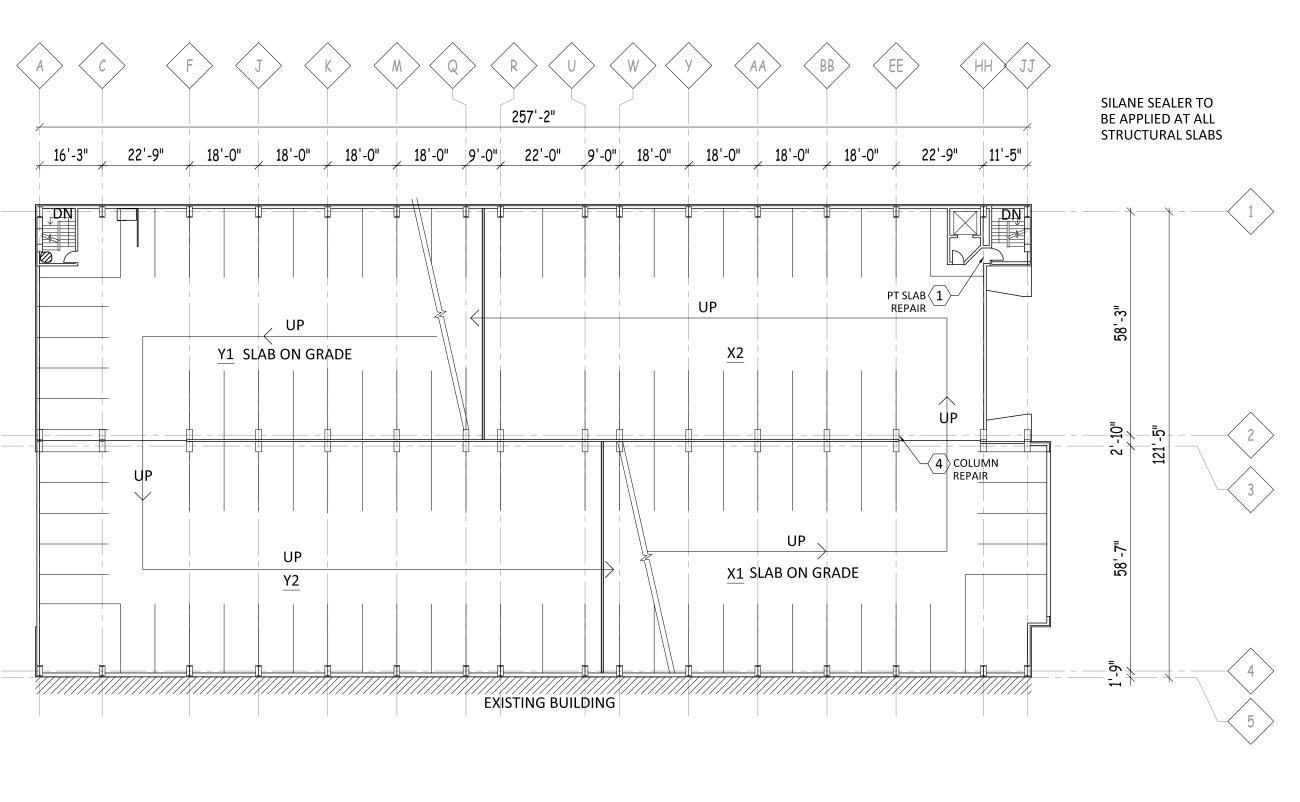


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LEVEL ONE FLOOR PLAN



LEVEL 2 FLOOR PLAN

SCALE : NONE



LEGEND

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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: OVERTURE CENTER RAMP

SEAL/SIGNATURE:

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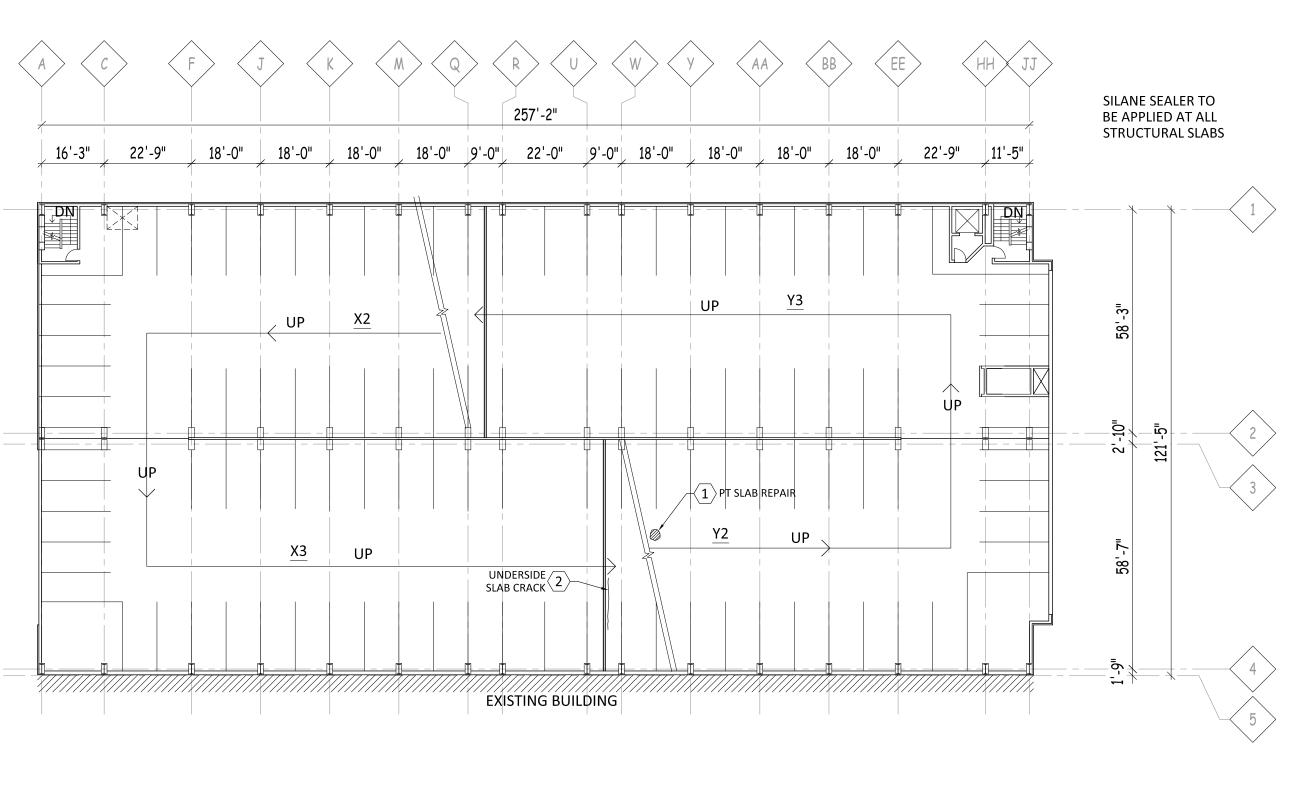
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LEVEL TWO FLOOR PLAN











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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: OVERTURE CENTER RAMP

SEAL/SIGNATURE:

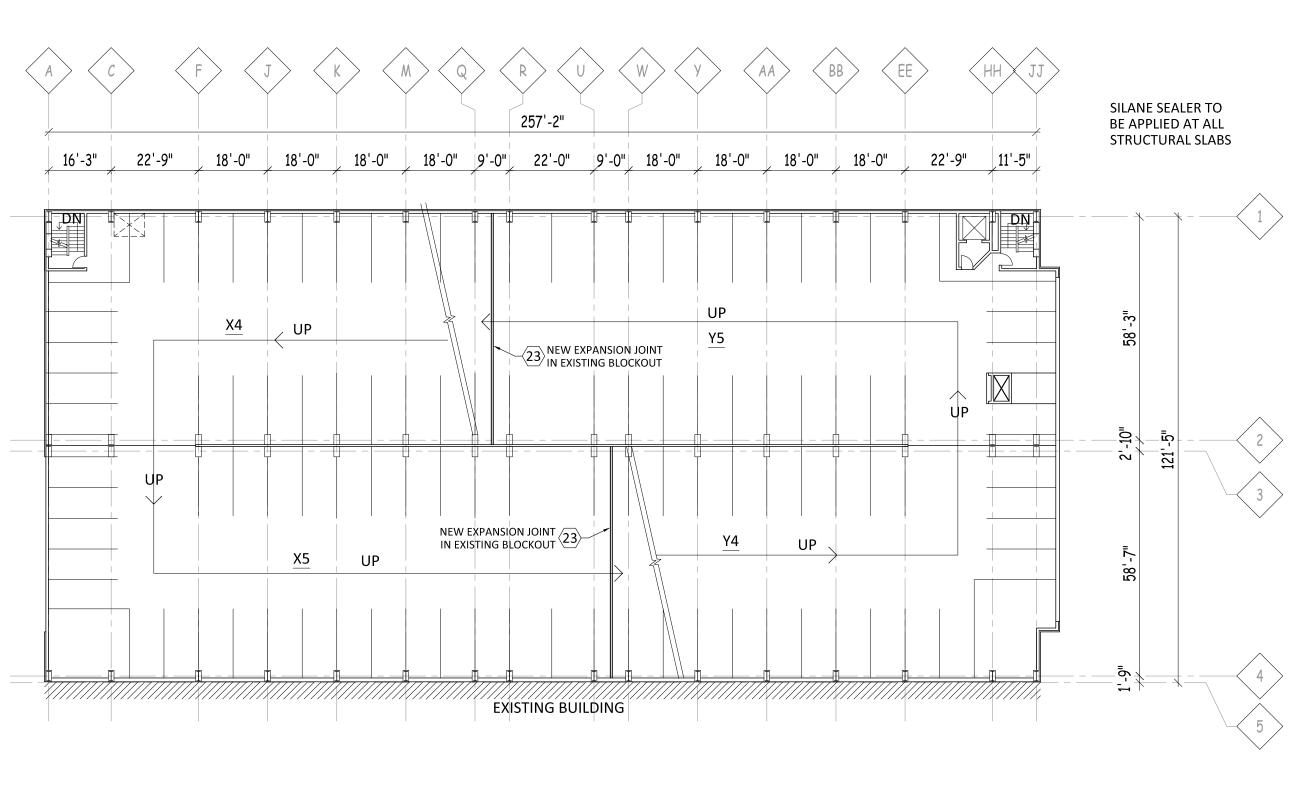
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LEVEL THREE FLOOR PLAN





LEVEL 5 FLOOR PLAN

SCALE : NONE







LEGEND

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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: OVERTURE CENTER RAMP

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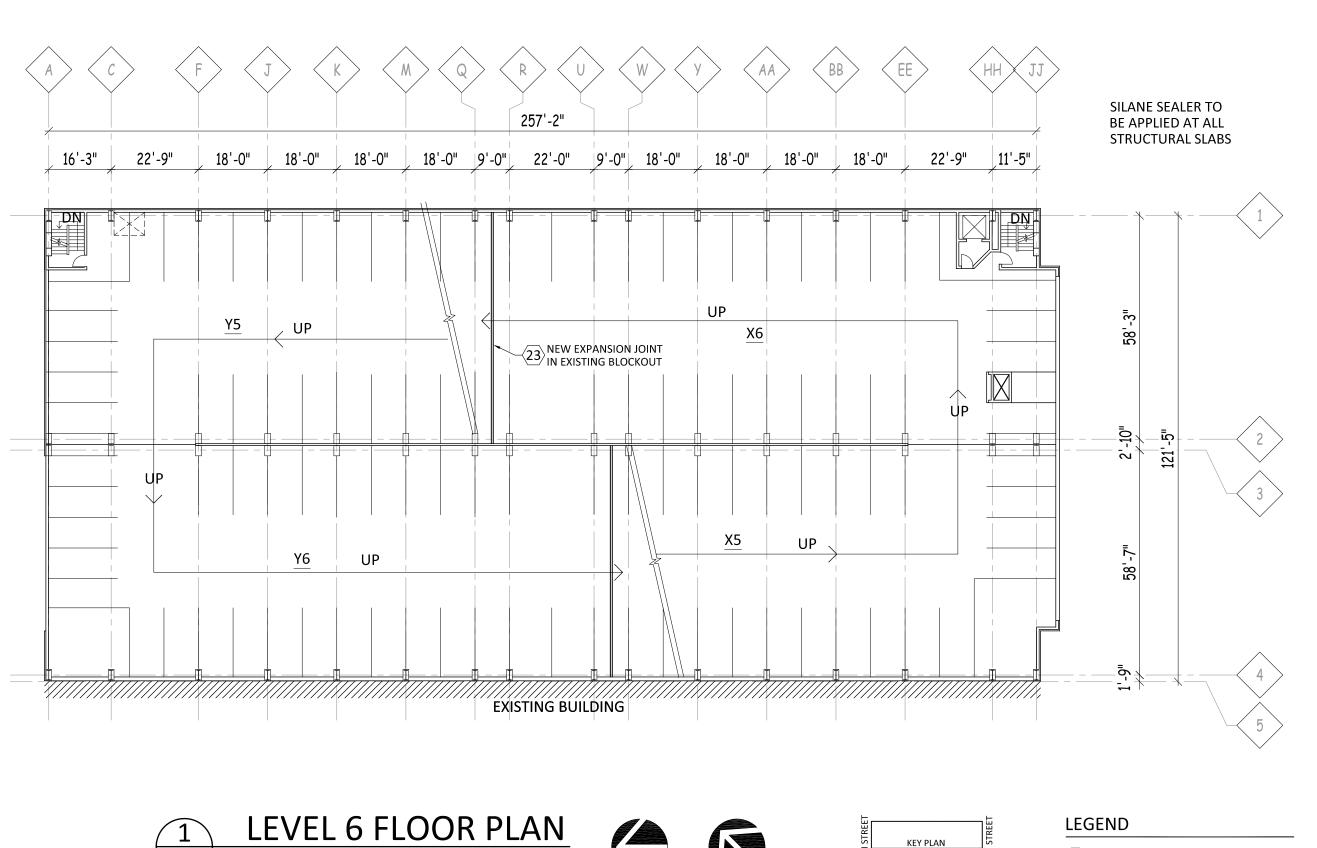
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LEVEL SIX FLOOR PLAN





SCALE : NONE





LEGEND

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PROJECT LOCATION: OVERTURE CENTER RAMP

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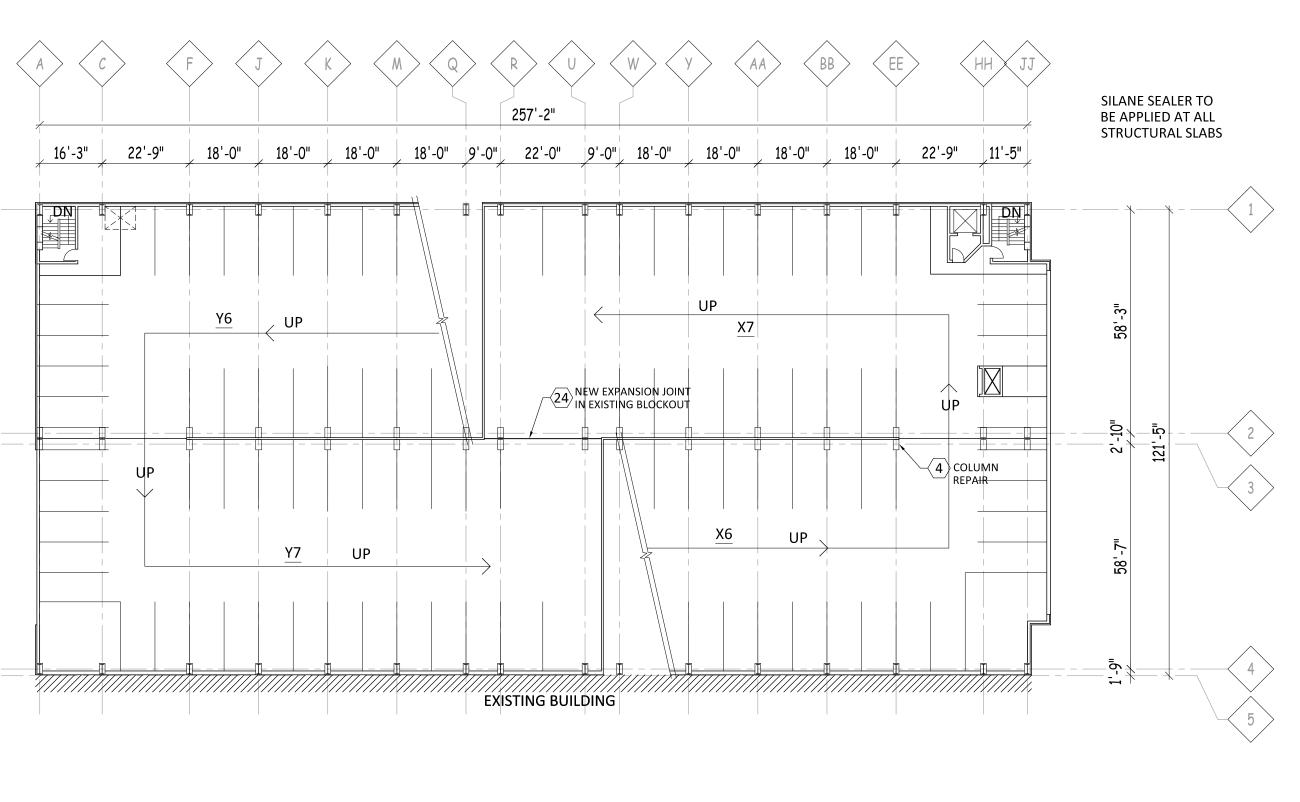
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LEVEL SIX FLOOR PLAN

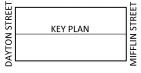
OC5



LEVEL 7 FLOOR PLAN SCALE : NONE







LEGEND

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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: OVERTURE CENTER RAMP

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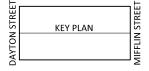
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LEVEL SEVEN FLOOR PLAN

OC6





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2016 PARKING RAMP RESTORATION

STATE STREET CAMPUS - LAKE

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VN:	PGB	03/02/2016	
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LEVEL ONE TOPSIDE PLAN

SL1

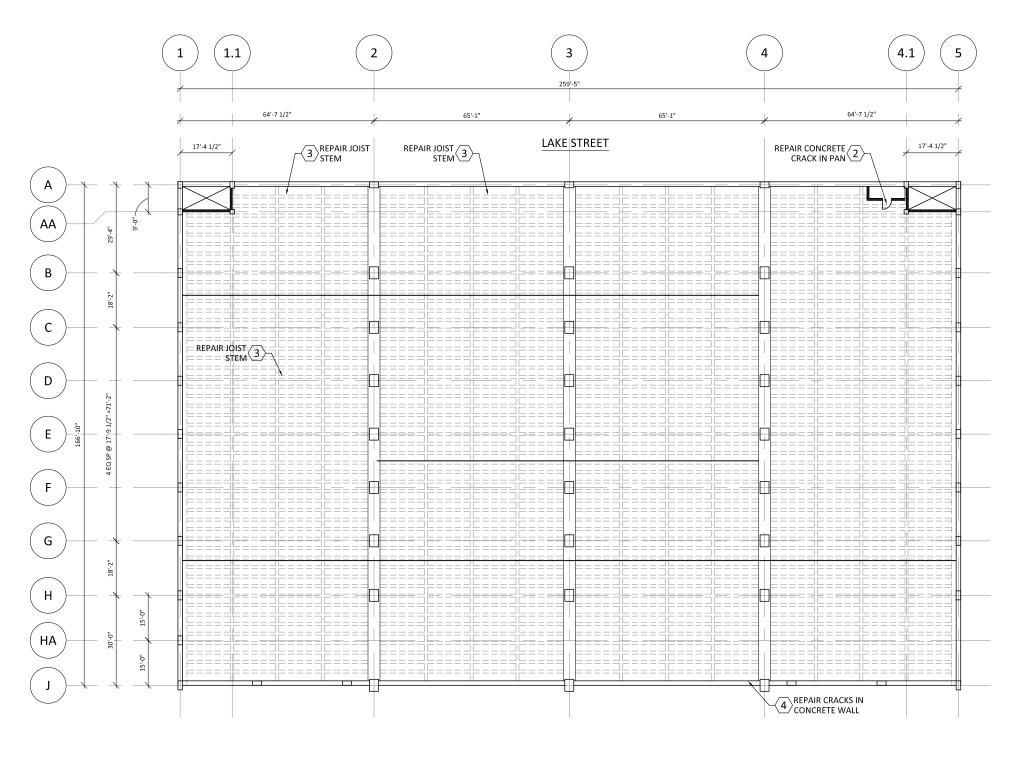
LEVEL 1 TOPSIDE PLAN

SCALE: 1/32" = 1'-0"



LAKE STREET

KEY PLAN



AREA TO RECEIVE NEW MEMBRANE WEARCOAT & TOPCOAT. SELECTED AREAS WILL RECEIVE COMPLETE FULLY ADHERED MEMBRANE SYSTEM.

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2016 PARKING RAMP RESTORATION

STATE STREET CAMPUS - LAKE

13-5576

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LEVEL ONE UNDERSIDE PLAN

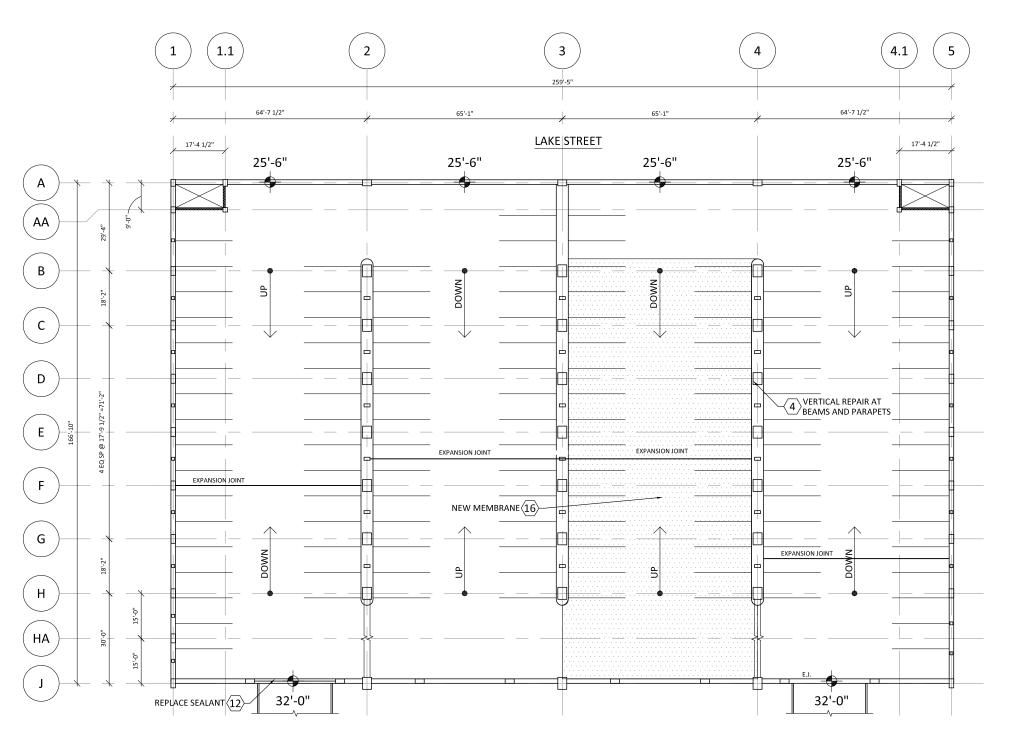
LEVEL 1 UNDERSIDE PLAN

SCALE: 1/32" = 1'-0"



LAKE STREET

KEY PLAN



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2016 PARKING RAMP RESTORATION

PROJECT LOCATION:

STATE STREET CAMPUS - LAKE

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LEVEL TWO TOPSIDE PLAN

SL3

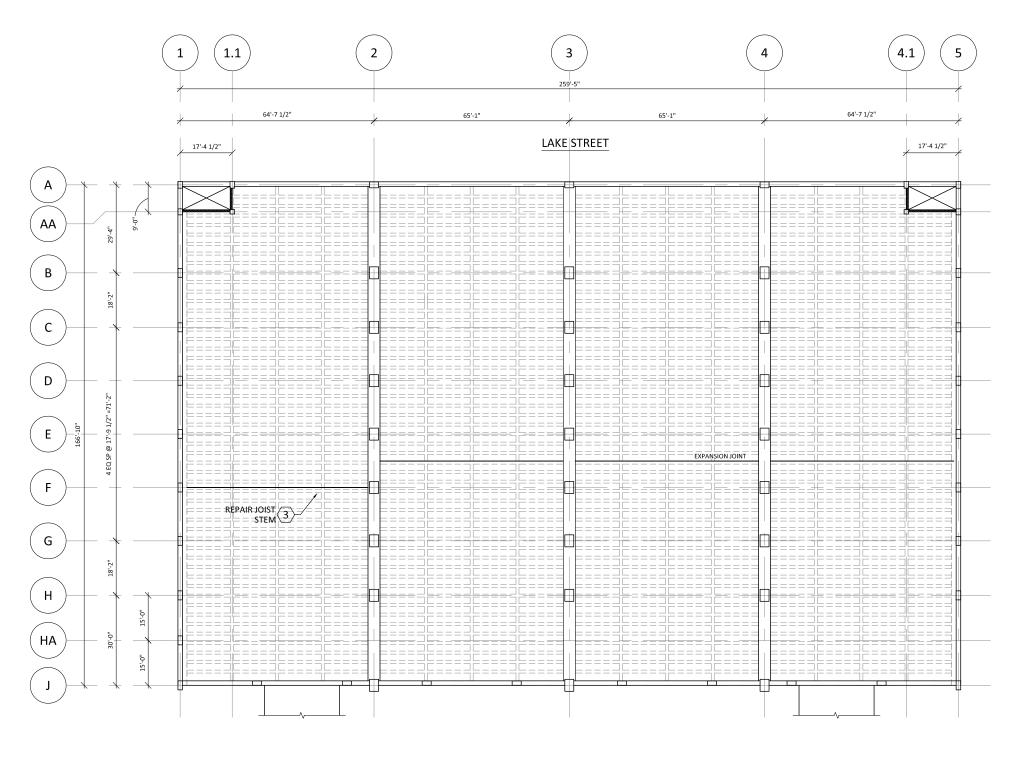
LEVEL 2 TOPSIDE PLAN

SCALE: 1/32" = 1'-0"



LAKE STREET

KEY PLAN



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STATE STREET CAMPUS - LAKE

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LEVEL TWO UNDERSIDE PLAN

SL4



LEVEL 2 UNDERSIDE PLAN

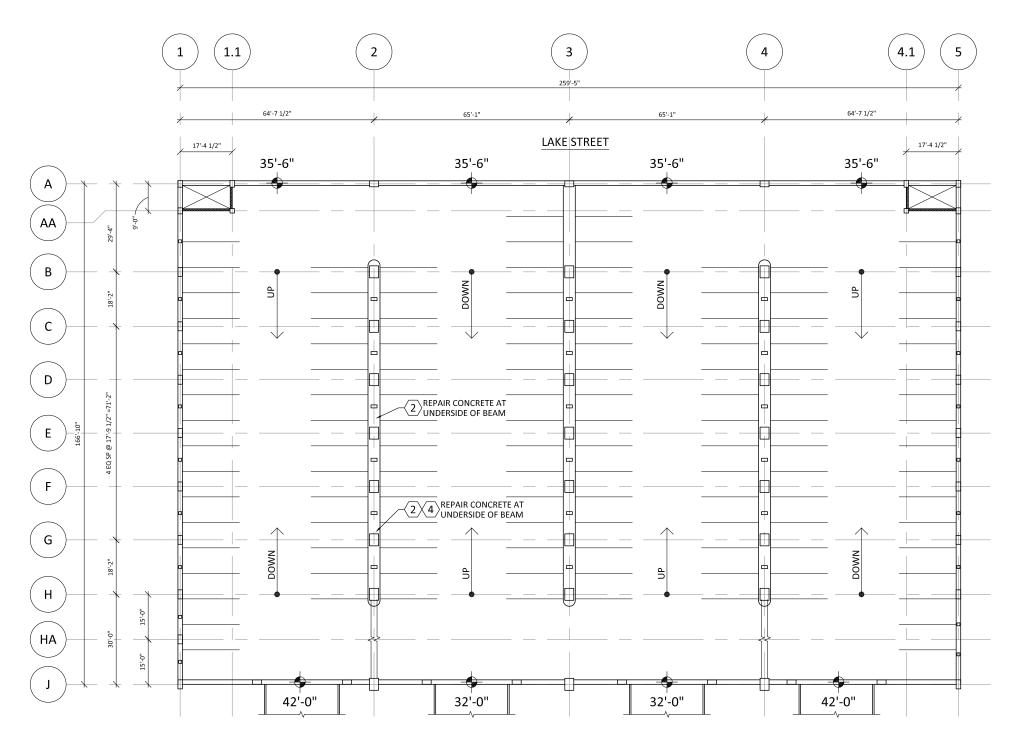
SCALE: 1/32" = 1'-0"





LAKE STREET

KEY PLAN



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2016 PARKING RAMP RESTORATION

PROJECT LOCATION:

STATE STREET CAMPUS - LAKE

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LEVEL THREE TOPSIDE PLAN



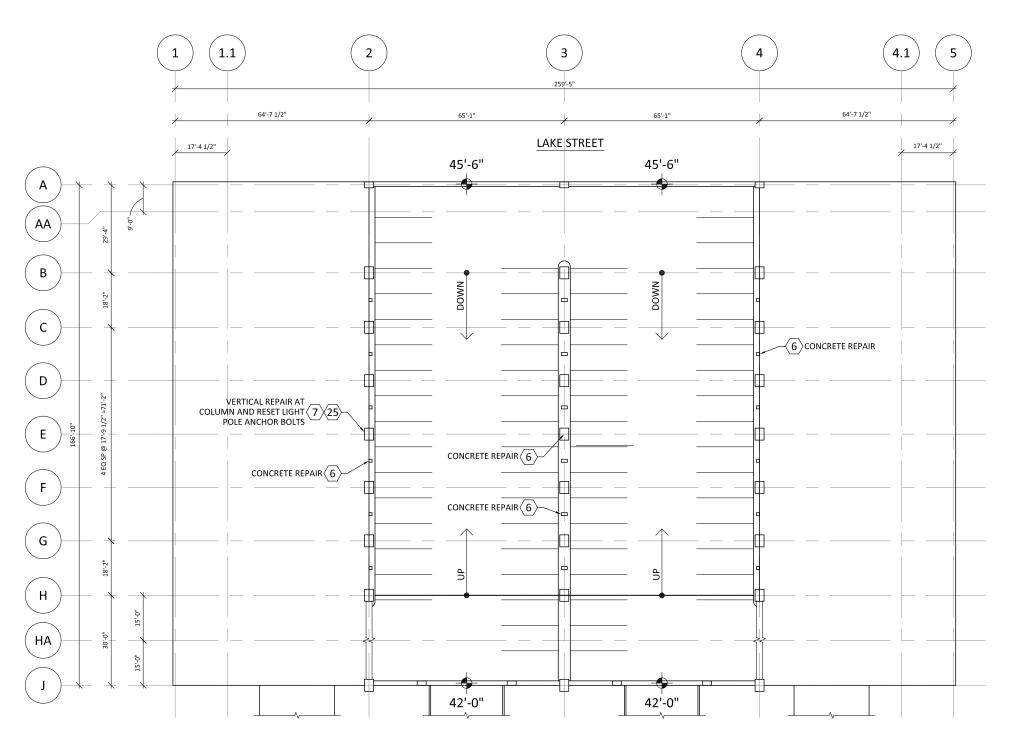
LAKE STREET

KEY PLAN

HAWTHORNE

LEVEL 3 TOPSIDE PLAN SCALE: 1/32" = 1'-0"

SL5



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LEVEL FOUR TOPSIDE PLAN

SL6

LEVEL 4 TOPSIDE PLAN

SCALE: 1/32" = 1'-0"





LAKE STREET

KEY PLAN

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LOWER LEVEL FLOOR PLAN

SF1

LOWER LEVEL FLOOR PLAN

SCALE: 1/32" = 1'-0"



HAWTHORNE COURT KEY PLAN N. FRANCES STREET

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2016 PARKING RAMP RESTORATION

STATE STREET CAMPUS - FRANCES JSD PROJECT NO.:

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HAWTHORNE COURT

KEY PLAN

N. FRANCES STREET

LEVEL ONE FLOOR PLAN

SF2

LEVEL 1 FLOOR PLAN

SCALE: 1/32" = 1'-0"

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UTILITY

2016 PARKING RAMP RESTORATION

STATE STREET CAMPUS - FRANCES

JSD PROJECT NO.:

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LEVEL TWO FLOOR PLAN

SF3

LEVEL 2 FLOOR PLAN

SCALE: 1/32" = 1'-0"



KEY PLAN

N. FRANCES STREET

HAWTHORNE COURT

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2016 PARKING RAMP RESTORATION

STATE STREET CAMPUS - FRANCES JSD PROJECT NO.:

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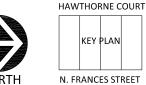
LEVEL THREE FLOOR PLAN

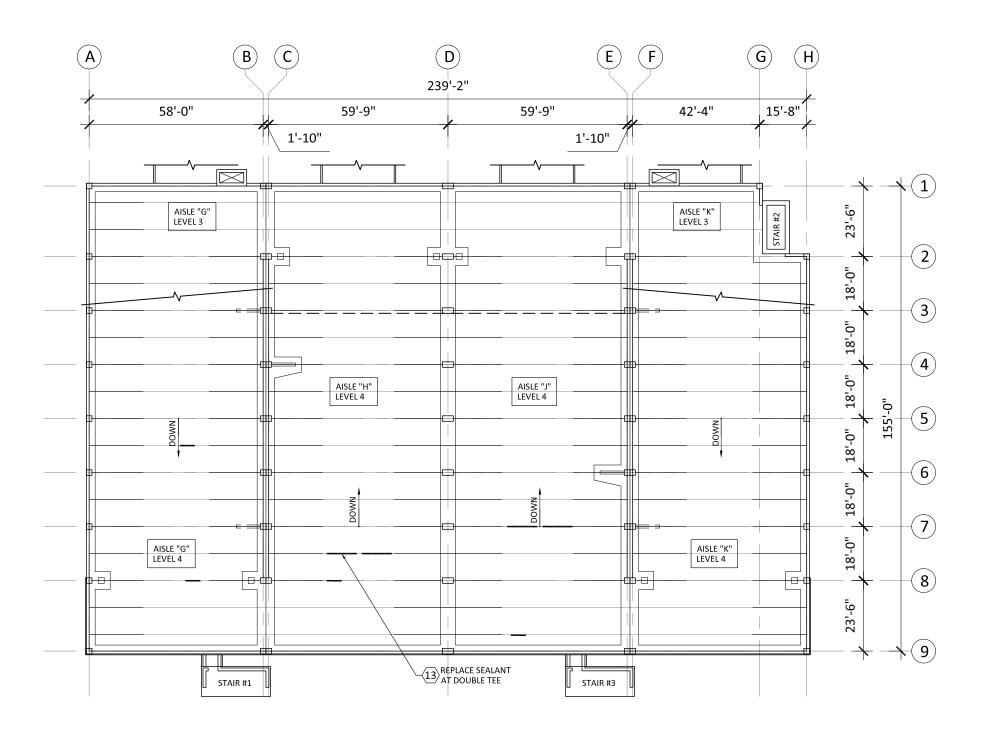
SF4

LEVEL 3 FLOOR PLAN

SCALE: 1/32" = 1'-0"







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— LENGTH TO RECEIVE NEW SEALANT AT DOUBLE TEE JOINTS.

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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: STATE STREET CAMPUS - FRANCES

JSD PROJECT NO.:

SEAL/SIGNATURE:

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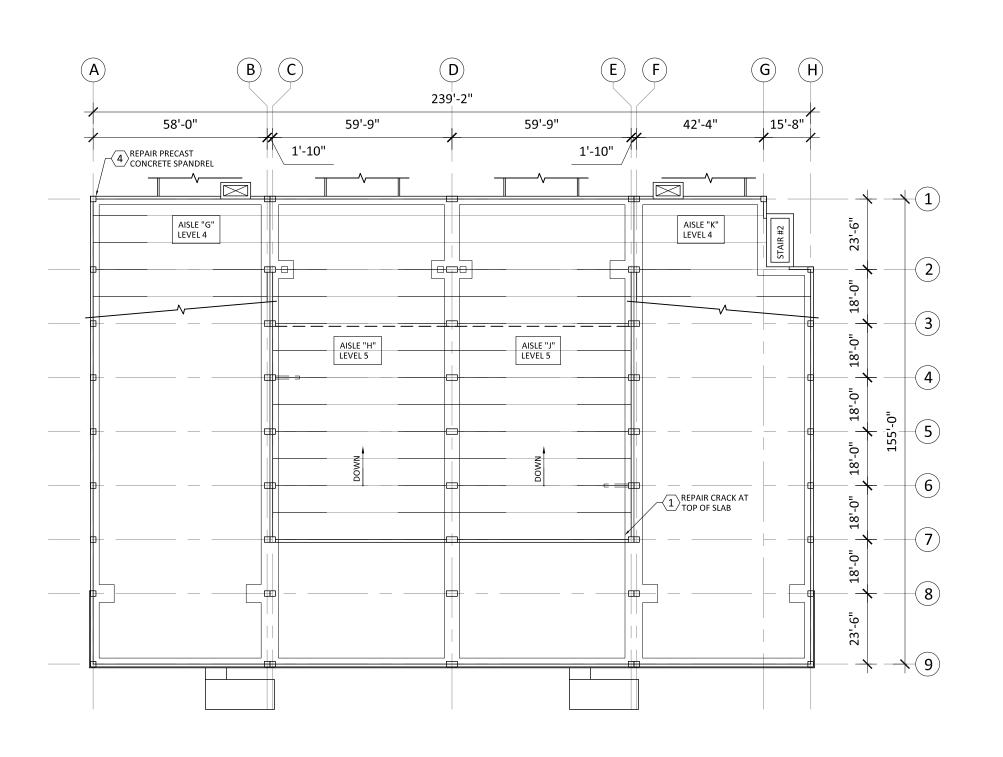
LEVEL FOUR FLOOR PLAN

SF5

LEVEL 4 FLOOR PLAN SCALE: 1/32" = 1'-0"







LEVEL 5 FLOOR PLAN

SCALE: 1/32" = 1'-0"

LEGEND

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STATE STREET CAMPUS - FRANCES

JSD PROJECT NO.:

SEAL/SIGNATURE:

DESIGN: PGB

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DRAWN: PGB APPROVED: JJE



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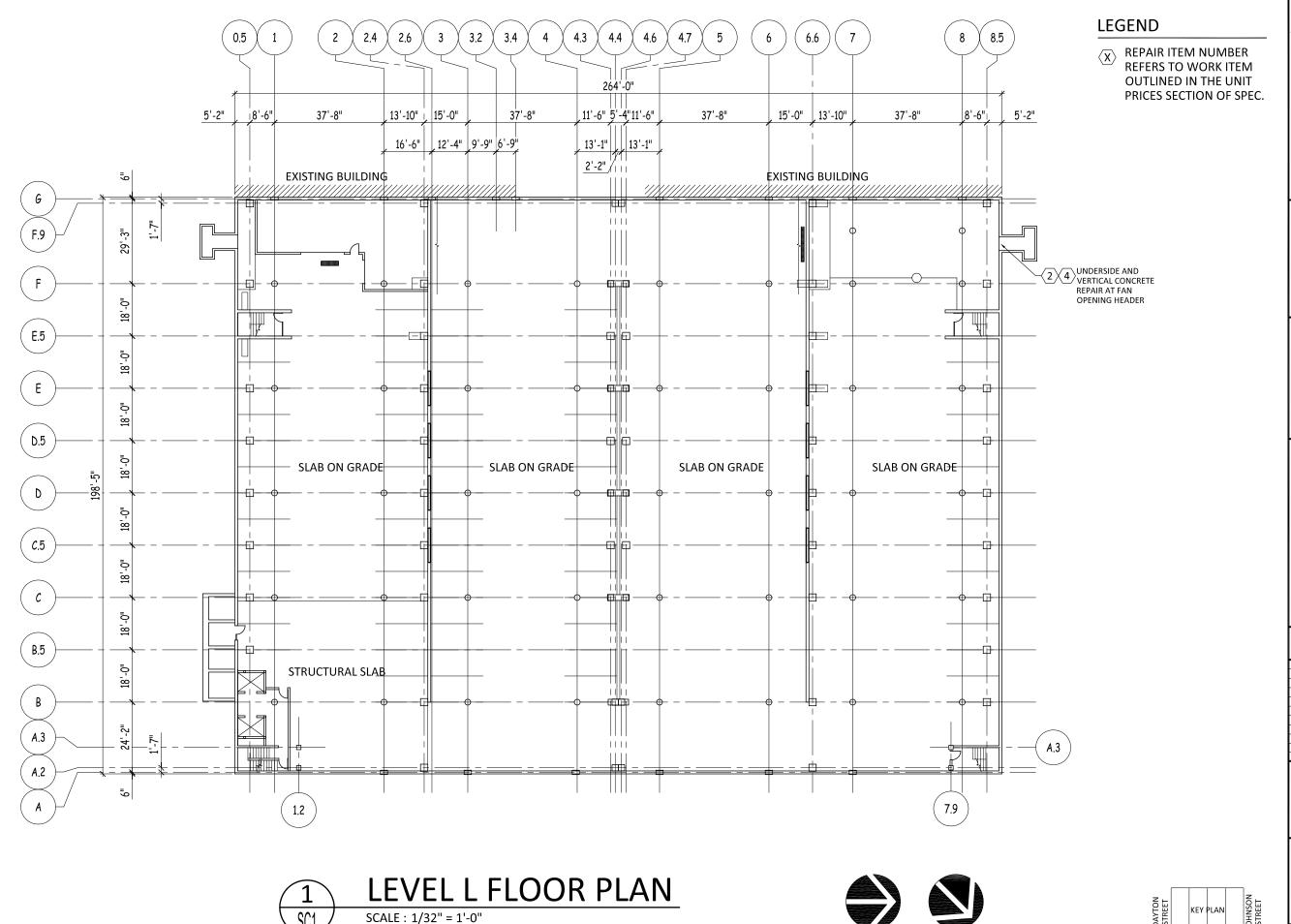
LEVEL FIVE FLOOR PLAN

SF6



HAWTHORNE COURT KEY PLAN

N. FRANCES STREET



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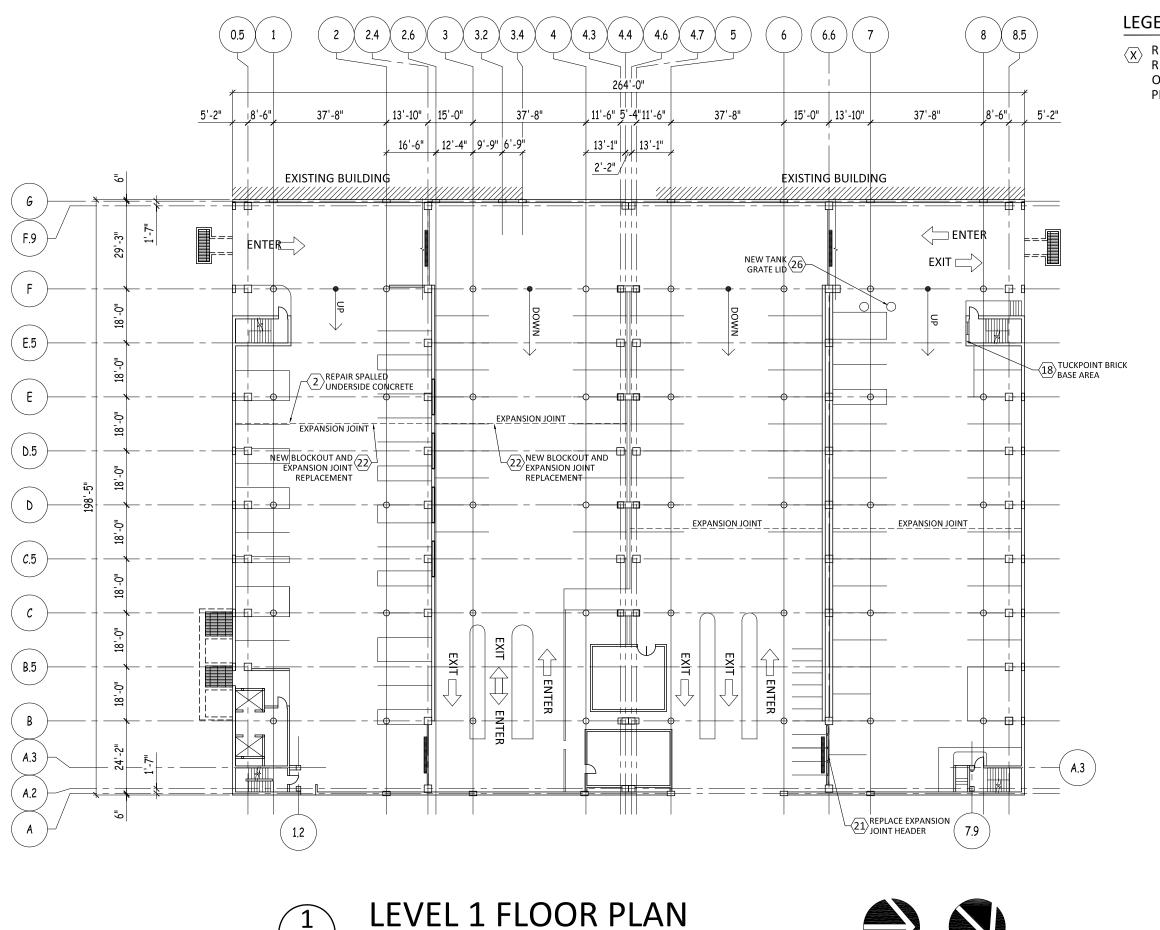
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LOWER LEVEL FLOOR PLAN

CARROLL STREET

SC1



SCALE: 1/32" = 1'-0"

NO REPAIRS ON LEVELS 2



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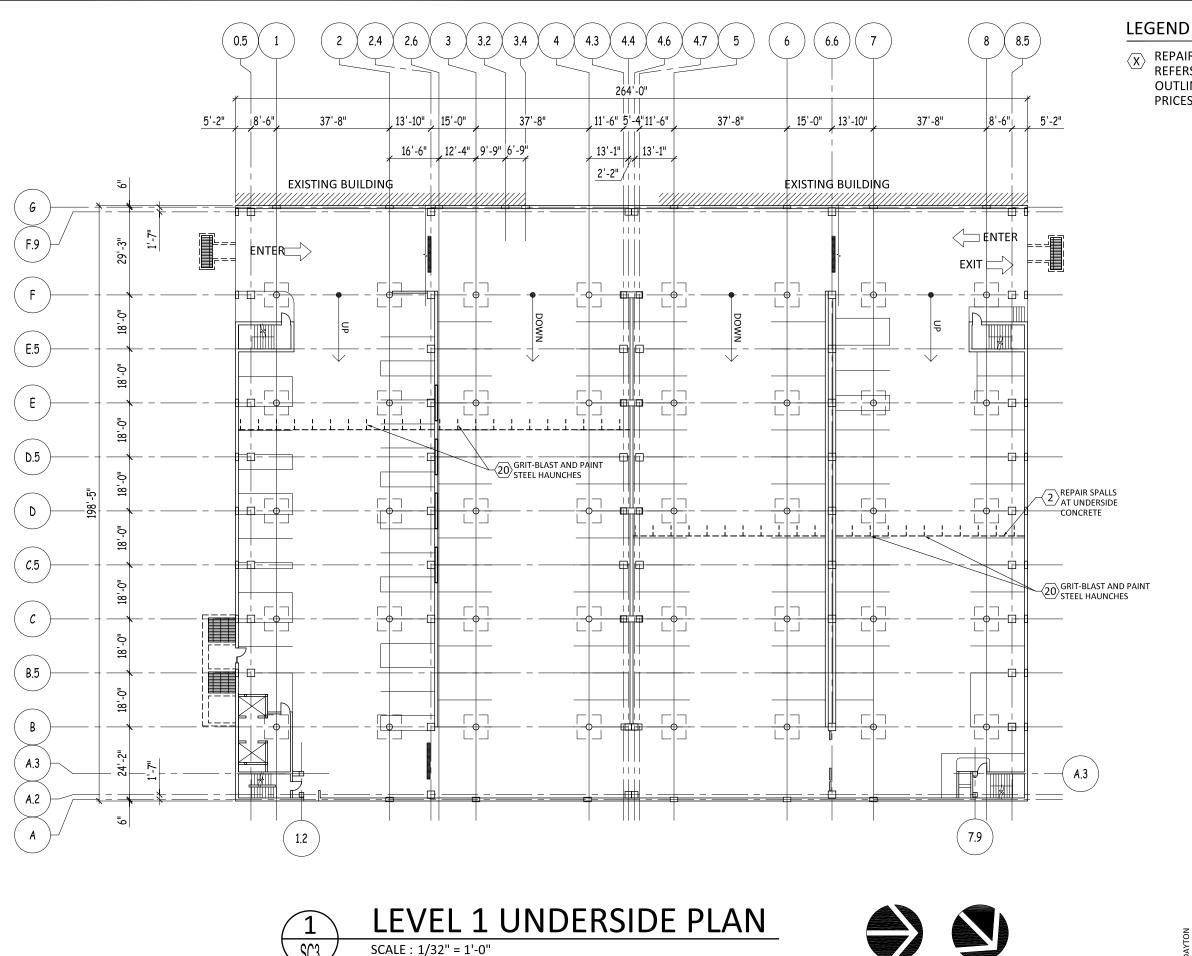
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CARROLL STREET

LEVEL ONE FLOOR PLAN





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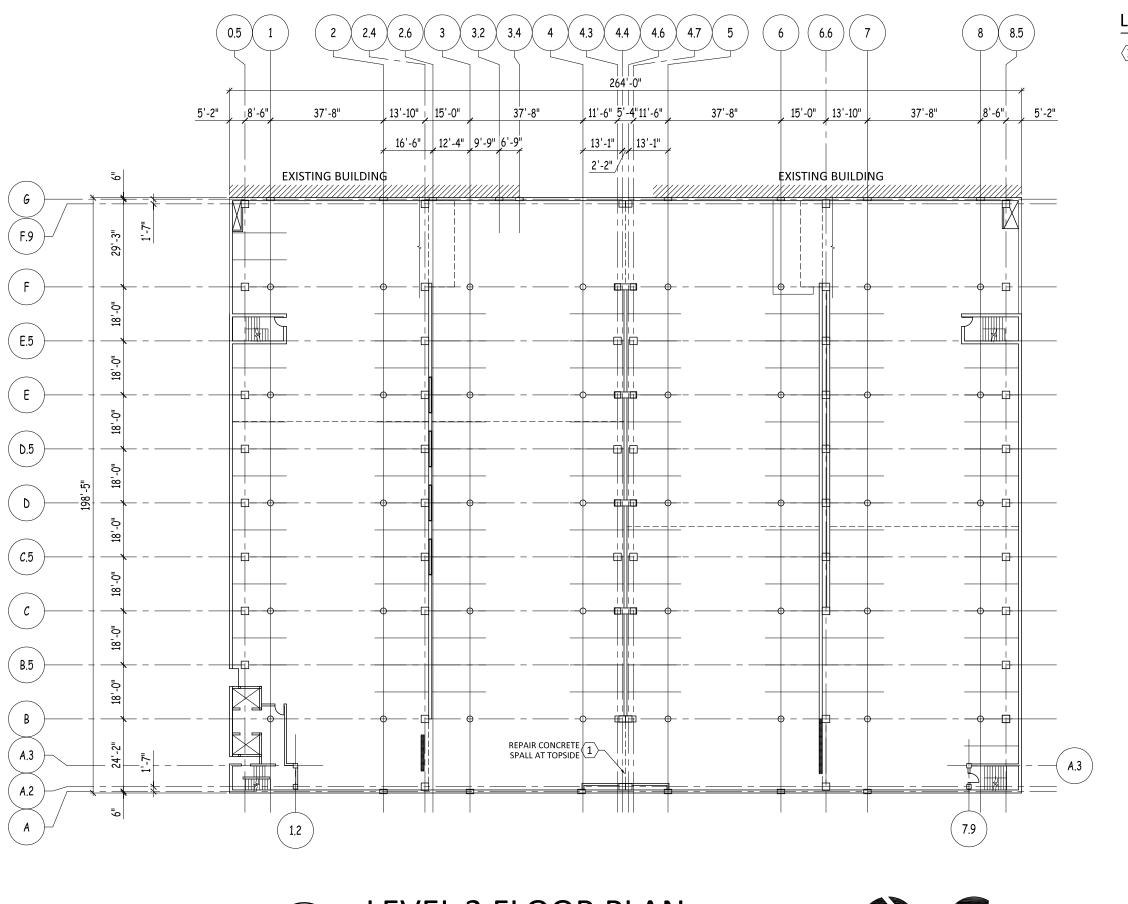
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LEVEL ONE UNDERSIDE PLAN







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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: STATE STREET CAPITOL

JSD PROJECT NO

AL/SIGNATURE:

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SHEET TITLE:

LEVEL THREE FLOOR PLAN

SC4

CARROLL STREET

CARROLL STREET

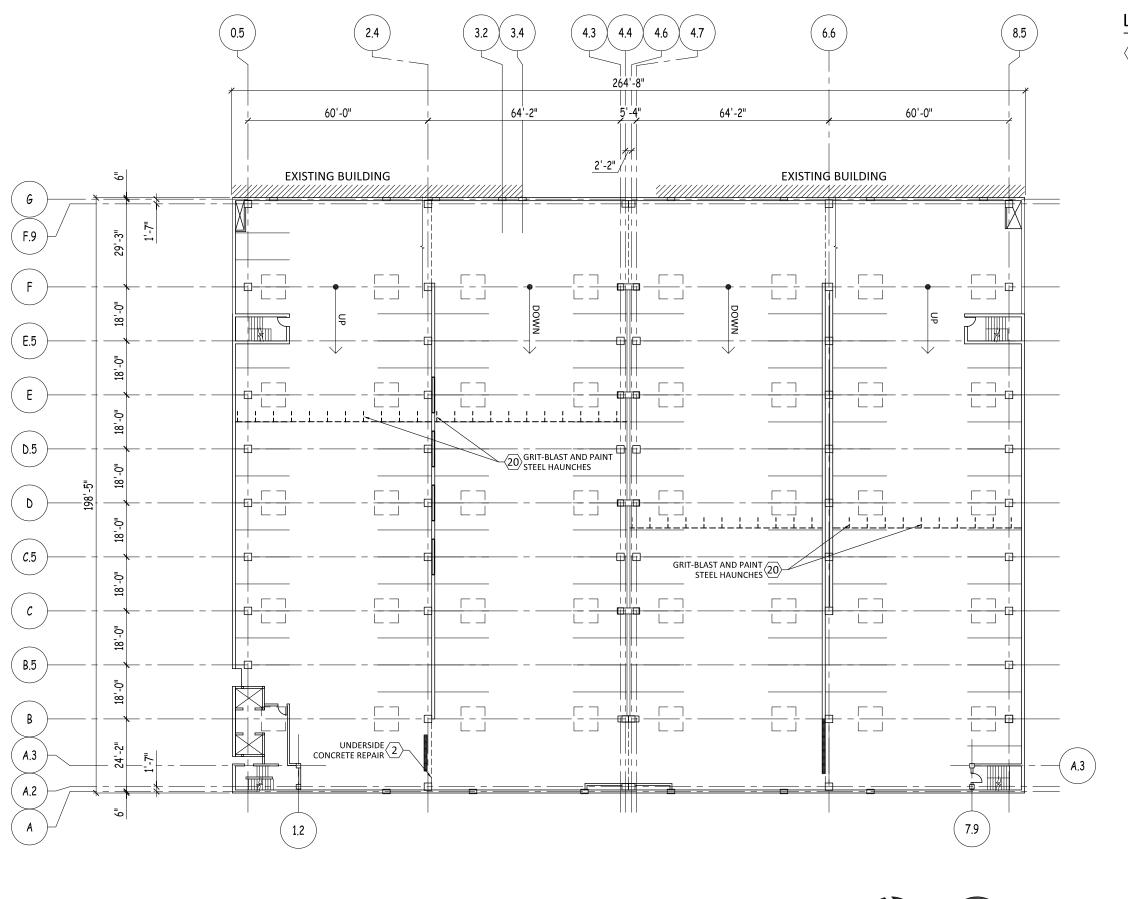
LEVEL 3 FLOOR PLAN

SCALE: 1/32" = 1'-0"

NO REPAIRS ON LEVELS 4 AND 5







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2016 PARKING RAMP RESTORATION

PROJECT LOCATION: STATE STREET CAPITOL

AL/SIGNATURE:

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DRAWN: PG		03/02/2016
APPROVED: JJE		
PLAN MODIFICATI	ONS:	DATE:



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EET TITLE:

LEVEL THREE UNDERSIDE PLAN

SHEET NUMBER:

CARROLL STREET

CARROLL STREET

(1) (SC5)

LEVEL 3 UNDERSIDE PLAN

SCALE: 1/32" = 1'-0"



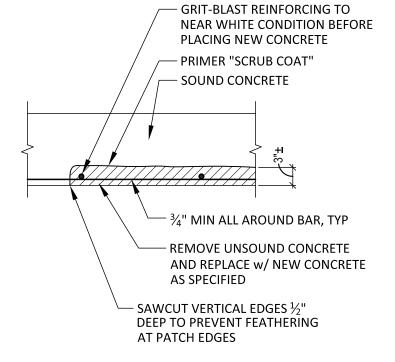
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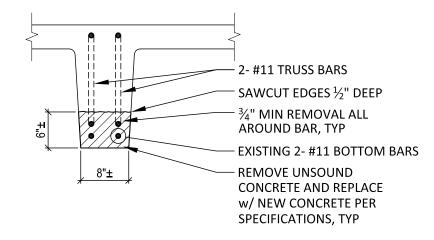
LOCATE POST TENSION TENDONS PRIOR TO CONCRETE REMOVAL.

DO NOT JACK HAMMER POST TENSION TENDONS.

3/4" REMOVAL AROUND REINFORCING BARS. GRIT-BLAST MILD REINFORCING STEEL TO NEAR WHITE METAL CONDITION BEFORE PLACING NEW CONCRETE.

DO NOT REMOVE CONCRETE UNDER POST TENSION TENDON WITHOUT ENGINEER'S APPROVAL.







BOTTOM OF JOIST REPAIR

SCALE: 3/4" = 1'-0"

TOPSIDE SLAB RESTORATION

SOUND CONCRETE

PER SPECIFICATIONS

EXISTING CONCRETE STRUCTURE

FEATHERING AT PATCH EDGES

3/4" MIN ALL AROUND BAR, TYP

REMOVE UNSOUND CONCRETE

GRIT-BLAST REINFORCING TO

EXISTING CONCRETE SLAB

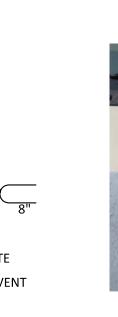
NEAR WHITE METAL CONDITION

SCALE: NTS



UNDERSIDE SLAB RESTORATION

SCALE: NTS

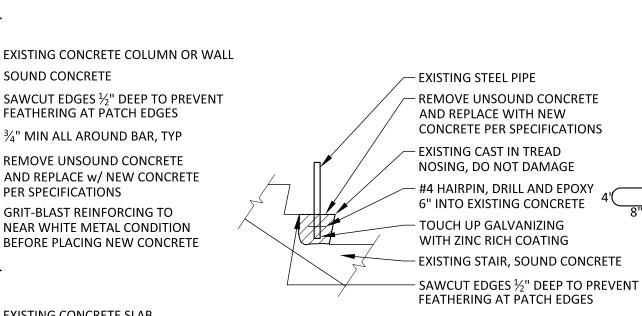


EXISTING STEEL PIPE

¾" MIN REMOVAL ALL AROUND BAR, TYP

GRIT-BLAST EXISTING #4 BARS TO NEAR WHITE CONDITIONS

REMOVE UNSOUND CONCRETE AND REPLACE w/ NEW CONCRETE PER SPECIFICATIONS, TYP



لمبر_{4<u>"±</u>}

SCALE: NTS

REPAIR AT VERTICAL SURFACES

STAIR TREAD REPAIR

SCALE: NTS



CONCRETE METER POST REPAIR

SCALE: NTS

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2016 PARKING RAMP RESTORATION

CITY OF MADISON DANE COUNTY, WI ISD PROJECT NO

13-5576

DESIGN: JJE

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D'

INSTALL SUPPLEMENTAL REINFORCING IF NECESSARY, CONSULT ENGINEER

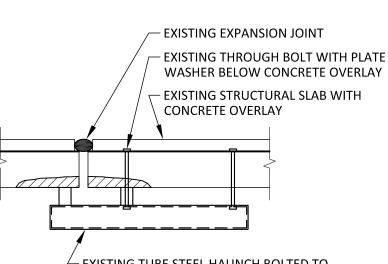
- ¾" MIN REMOVAL ALL AROUND BARS, TYP



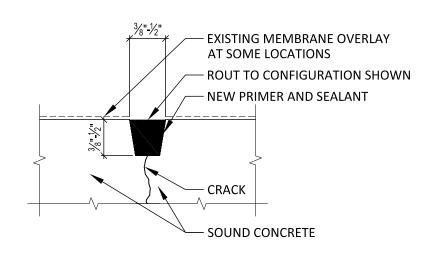


COLUMN TOP REPAIR

SCALE: NTS



EXISTING TUBE STEEL HAUNCH BOLTED TO SLAB AT 6'-0" +/- O.C. GRIT-BLAST RUSTED AREAS OF STEEL HAUNCH TO NEAR WHITE CONDITIONS. COAT HAUNCH WITH ANTICORROSION METAL PRIMER, AND REPAINT TO MATCH EXISTING COLOR.





SEALANT REPLACEMENT

EXISTING FLOOR SLAB OR VERTICAL SURFACE

SEALANT, SEE SPECIFICATIONS

EXISTING SEALANT AND GRIND

JOINT CLEAN BEFORE PRIMER

AND SEALANT INSTALLATION

CONTINUOUS BACKER ROD

EXISTING FLOOR SLAB OR VERTICAL SURFACE

SEALANT INSTALLER TO REMOVE

CSN, OC, SSCF SCALE: NTS SIM. AT OTHERS

VERIFY WIDTH OF **EXISTING BLOCKOUT** 3" MIN. VIF 3" MIN.

NOTES

CSN

- 1. CONTRACTOR TO VERIFY RECESS IS FREE OF VOIDS AND HONEYCOMB
- CONTRACTOR SHALL REMOVE ALL **EXISTING EXPANSION JOINT MATERIAL** AND CLEAN BLOCKOUT TO RECEIVE NEW EXPANSION JOINT SEAL.
- CONCRETE BED TO BE IN SAME PLANE ON BOTH SIDES OF OPENING.

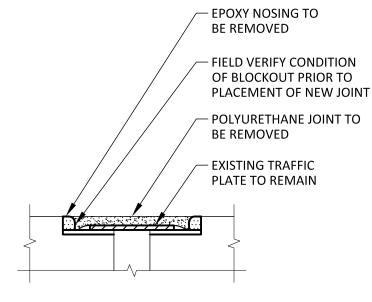
SCALE: NTS

SEAL COMPONENTS SHALL BE SLIGHTLY DEPRESSED BELOW SURFACE OF CONCRETE DECK.

NOTES

- (1) CONCRETE OVERLAY
- $\langle 2 \rangle$ COAT BASE OF BLOCKOUT WITH RESIN MIXTURE ONLY
- $\langle 3 \rangle$ PRIMER ON EDGE OF JOINT
- 4 POLYCRETE ELASTOMETRIC CONCRETE
- 5 EXPANSION JOINT SEAL
- STEEL ANGLES BELOW OVERLAY AND SEAL TO BE REMOVED AND BLOCKOUT SYSTEM FOR NEW JOINT SEAL SYSTEM

SSCo



COMPLETE EXPANSION JOINT AND BLOCKOUT REPLACEMENT



EXPANSION JNT REPLACEMENT

SCALE: NTS OC

- CIVIL ENGINEERING
- SURVEYING & MAPPING CONSTRUCTION SERVICES
- WATER RESOURCES
- PLANNING & DEVELOPMENT
- TRANSPORTATION ENGINEERIN
- STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE

MADISON REGIONAL OFFICE 161 HORIZON DRIVE, SUITE 10 VERONA, WISCONSIN 53593

608.848.5060 PHONE 608.848.2255 FAX MADISON | MILWAUKEE KENOSHA | APPLETON

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SERVICES PROVIDED TO: CITY OF MADISON, **PARKING** UTILITY



215 MARTIN LUTHER KING JR. BLV MADISON, WISCONSIN 53701-2986

2016 PARKING RAMP RESTORATION

CITY OF MADISON DANE COUNTY, WI ISD PROJECT NO

13-5576

DESIGN: JJE

ALTHOUGH EVERY EFFORT HAS BEEN MADE N PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL

PPROVED: JJE

Toll Free (800) 242-851

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DETAILS

D2



REMOVE UNSOUND CONCRETE AND REPLACE w/ NEW CONCRETE PER SPECIFICATIONS, TYP

INSTALL SUPPLEMENTAL REINFORCING IF NECESSARY, CONSULT ENGINEER

3/4" MIN REMOVAL ALL AROUND BARS, TYP



VERTICAL CONCRETE REPAIR OF COLUMN IN 2013, ANTICIPATE SIMILAR RESTORATION AT COLUMN IN DETAIL 1/D3

COLUMN VERTICAL REPAIR

SCALE: NTS SSCL

COLUMN VERTICAL REPAIR - 2013

SCALE: NTS SSCL

REPLACE ADJACENT **SEALANT** GRIT-BLAST RUSTED AREAS OF STEEL ANGLE TO NEAR WHITE CONDITIONS. COAT HAUNCH WITH ANTICORROSION METAL PRIMER, AND REPAINT TO MATCH EXISTING COLOR.

STEEL ANGLE REPAINTING

SCALE: NTS

CSN

ISD Professional Services, Inc Engineers · Surveyors · Planner

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LANDSCAPE ARCHITECTURE MADISON REGIONAL OFFICE

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CITY OF MADISON, PARKING UTILITY



13-5576

215 MARTIN LUTHER KING JR. BLVD MADISON, WISCONSIN 53701-2986

2016 PARKING RAMP RESTORATION

PROJECT LOCATION: CITY OF MADISON DANE COUNTY, WI JSD PROJECT NO.:

SEAL/SIGNATURE:

DESIGN: PGB

ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

DRAWN: PGB
APPROVED: JJE



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DETAILS

D3