

CITY OF MADISON

2022 PARKING GARAGE MAINTENANCE MADISON, WISCONSIN CITY OF MADISON CONTRACT NO. 9168 BID DRAWINGS

GRAEF

1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

G001

SHEET INDEX

COVER SHEET	G001
ESTIMATED PLAN QUANTITIES	G002
STATE STREET LAKE (SSL)	SL-S100 - SL-S104
STATE STREET FRANCES (SSF)	SF-S101 - SF-S105
STATE STREET CAPITOL (SSCO)	SC-S100 - SC-S106
CAPITOL SQUARE NORTH (CSN)	CN-S100 - CN-S104
OVERTURE CENTER (OC)	OC-S101 - OC-S107
SOUTH LIVINGSTON STREET (SLS)	LS-S102 - LS-S105
WILSON STREET GARAGE (WSG)	WS-S098 - WS-S101
REPAIR DETAILS	S501 - S506

SOUTH LIVINGSTON STREET (SLS)
111 SOUTH LIVINGSTON STREET

CAPITOL SQUARE NORTH (CSN)
218 EAST MIFFLIN STREET

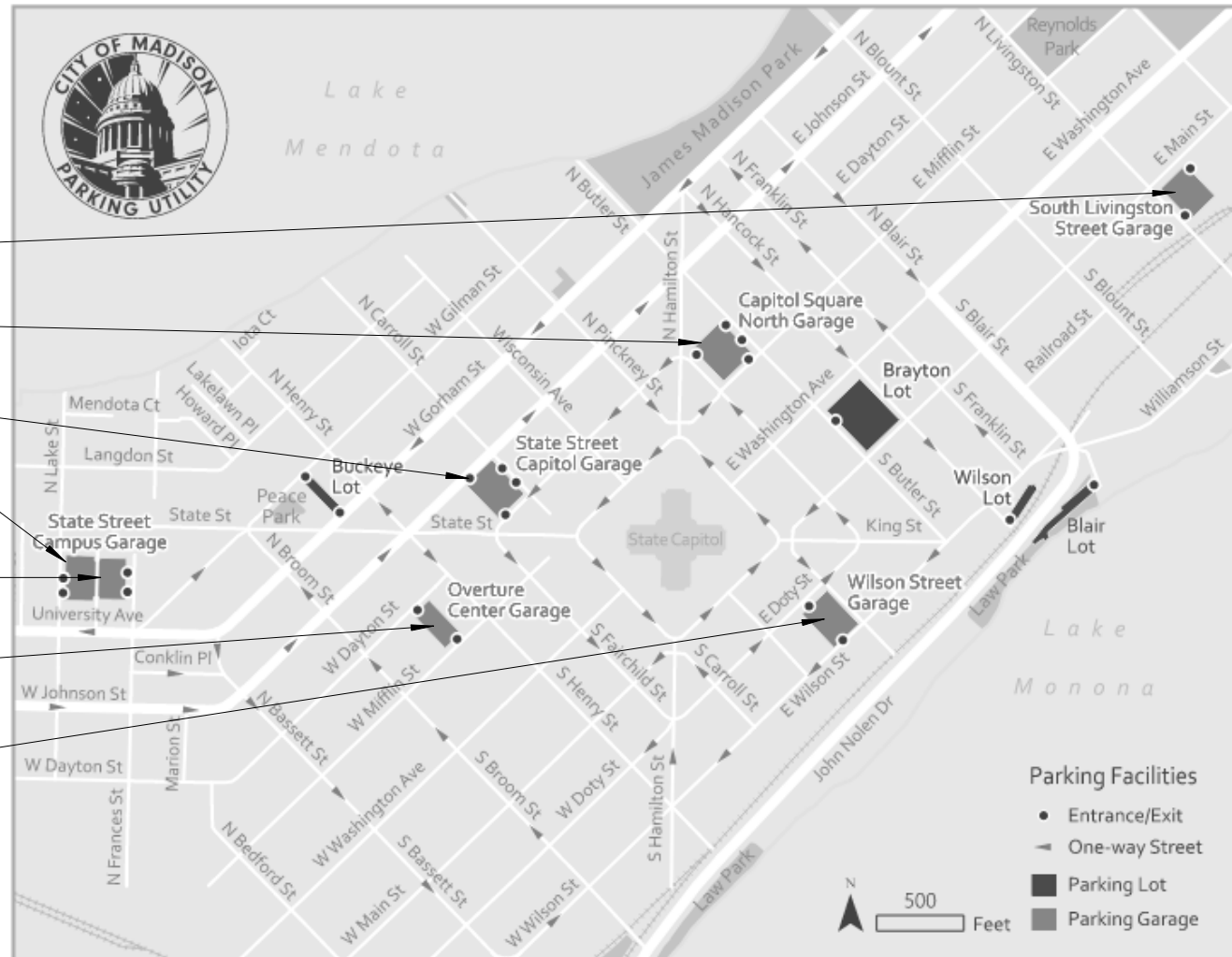
STATE STREET CAPITOL (SSCO)
214 NORTH CARROLL STREET

STATE STREET CAMPUS - LAKE (SSL)
415 NORTH LAKE STREET

STATE STREET CAMPUS - FRANCES (SSF)
430 NORTH FRANCES STREET

OVERTURE CENTER (OC)
318 WEST MIFFLIN STREET

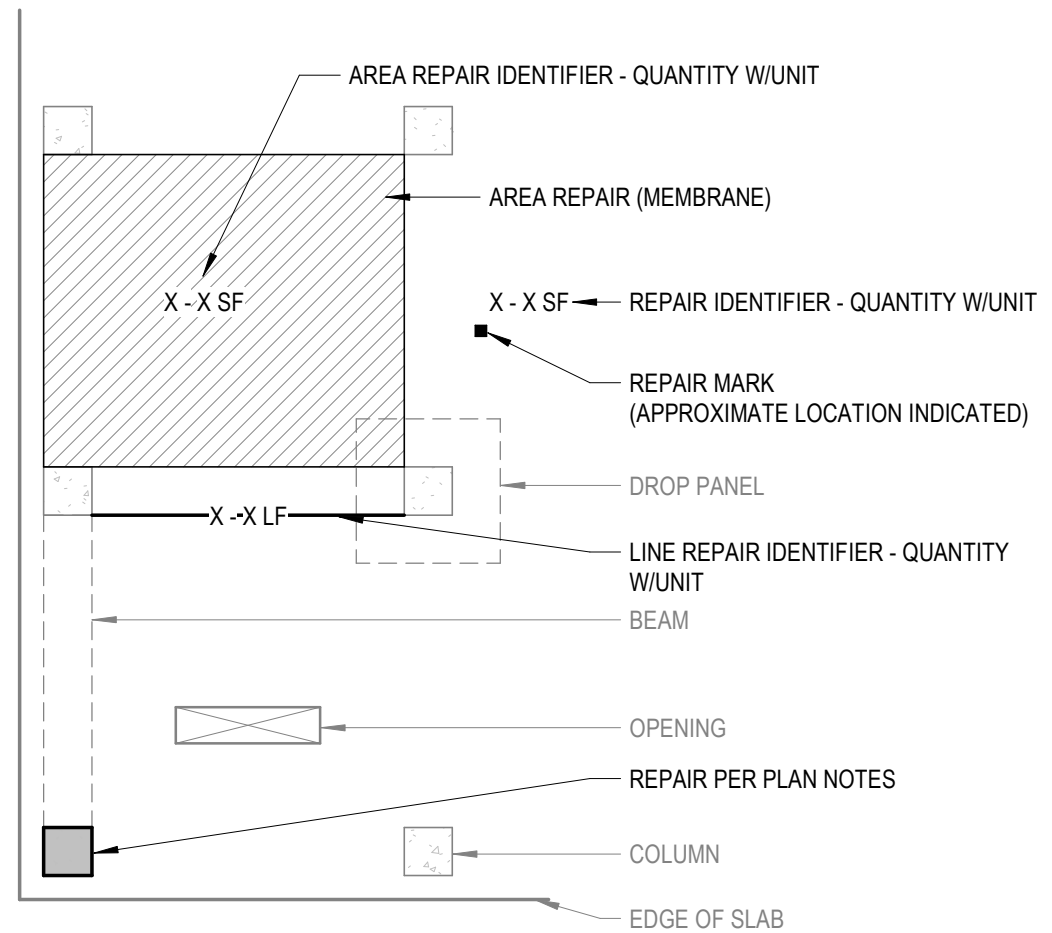
WILSON STREET GARAGE (WSG)
20 EAST WILSON STREET



ESTIMATED PLAN QUANTITIES

CONCRETE REPAIR PLAN LEGEND

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE	UNITS	SSL QTY	SSF QTY	SSCO QTY	CSN QTY	OC QTY	SLS QTY	WSG QTY	TOTAL QTY
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A	SF	0	0	0	100	0	0	0	100
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A	SF	380	0	30	0	375	0	0	785
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501	SF	160	10	25	18	21	0	0	234
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501	SF	250	5	91	5	5	150	0	506
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501	SF	93	8	128	1	10	0	0	240
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506	SF	68	0	0	0	0	0	0	68
7	STAIR SPALL REPAIR	A6 / S503	SF	3	0	0	0	2	0	0	5
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503	SF	141	0	0	0	0	0	0	141
9	RE-ANCHOR STAIR TREAD	N/A	ITEM	0	0	0	0	2	0	0	2
10	EPOXY INJECTION OF TOPPING SLABS	N/A	SF	0	0	800	0	0	0	0	800
11	CONCRETE SLAB CRACK REPAIR	A6 / S503	LF	453	54	2130	153	0	0	600	3390
12	CMU CRACK/MORTAR JOINT REPAIR	N/A	LF	1245	165	5	9	0	0	0	1424
13	CMU REPLACEMENT	N/A	SF	49	0	3	2	15	0	0	69
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A	LF	0	0	0	26	0	75	0	101
15	REMOVE AND REPLACE EXISTING SEALANT	N/A	LF	225	45	170	52	228	0	0	720
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A	LF	0	4130	0	0	0	0	0	4130
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503	ITEM	0	291	0	0	0	0	0	291
18	BRICK MASONRY REPAIR/REPLACEMENT	N/A	SF	0	0	0	0	5	0	0	5
19	BRICK MASONRY SEALING (CSN)	N/A	LS	0	0	0	0	1	0	0	1
20	REPLACE BRICK ANGLE CONNECTION (SSL)	A5 / S505	LS	1	0	0	0	0	0	0	1
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504	ITEM	5	0	0	0	0	0	0	5
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504	LS	1	0	0	0	0	0	0	1
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506	ITEM	0	0	0	22	0	0	0	22
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505	ITEM	0	0	0	2	0	0	0	2
25	BARRIER REPAIRS (CSN)	A6 / S504	LS	0	0	0	1	0	0	0	1
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506	LS	0	0	0	0	0	1	0	1
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505	LF	0	0	0	0	2500	0	0	2500
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505	LF	0	0	0	0	375	0	0	375



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

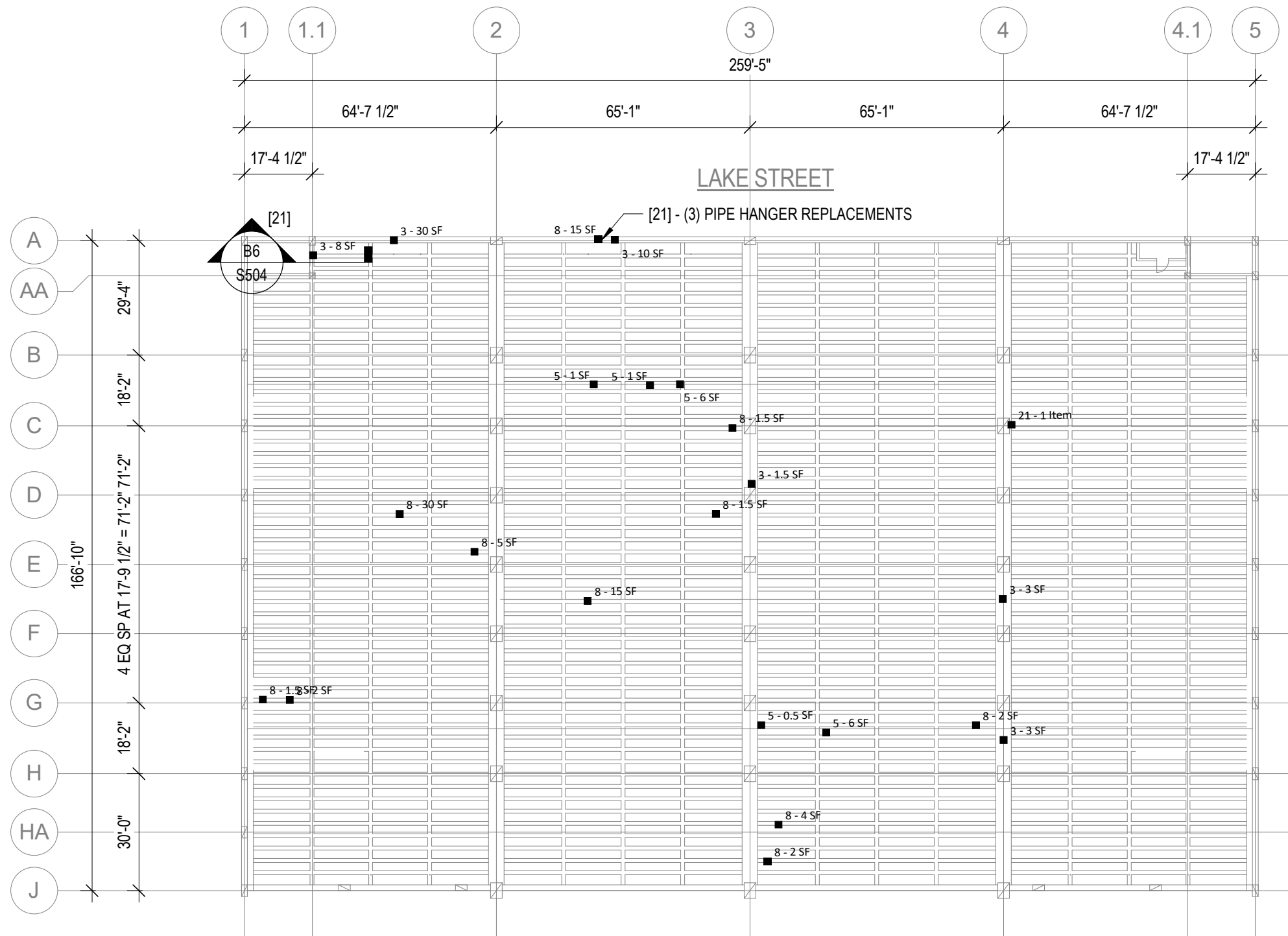
SHEET TITLE:

ESTIMATED PLAN QUANTITIES

SHEET NUMBER:

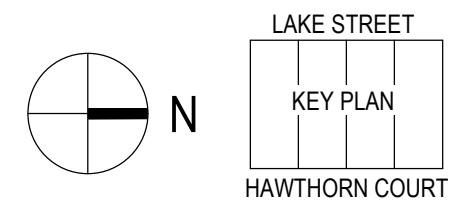
G002

3/10/2022 1:12:33 PM



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

1 STATE STREET CAMPUS: LAKE (SSL) - LOWER LEVEL (OVERHEAD)
 1/32" = 1'-0"



1010 East Washington Avenue
 Suite 202
 Madison, WI 53703-3130
 608 / 242 1550
 www.graef-usa.com

CLIENT:



Madison Municipal Building
 215 Martin Luther King Blvd
 Suite 109
 Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE MAINTENANCE

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

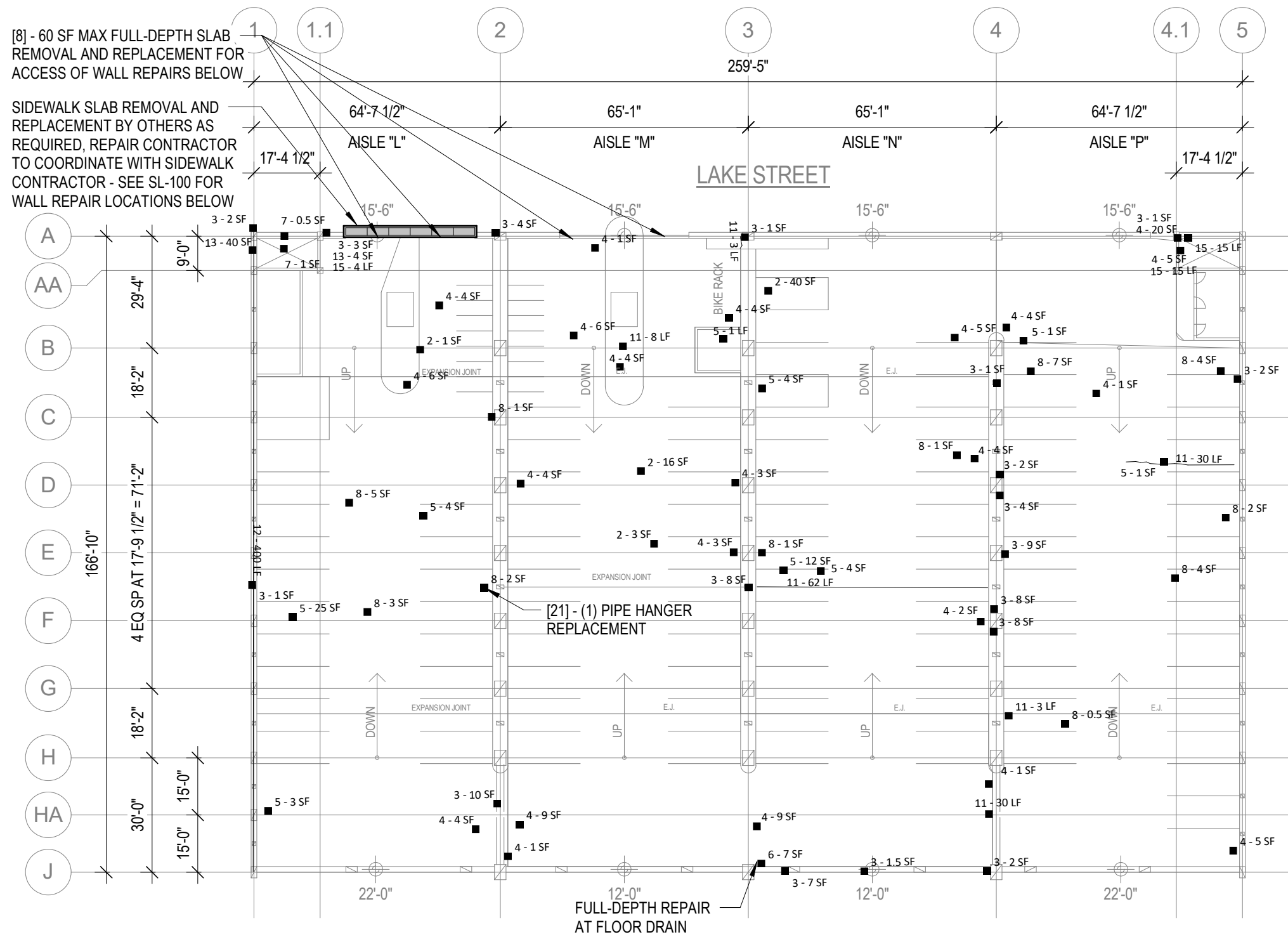
SHEET TITLE:

STATE STREET CAMPUS LAKE LOWER LEVEL PLAN (OVERHEAD)

SHEET NUMBER:

SL-S100

3/10/2022 1:12:33 PM

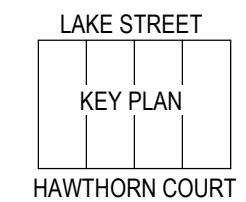
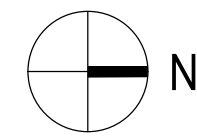


1

STATE STREET CAMPUS: LAKE (SSL) - LEVEL 1

1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

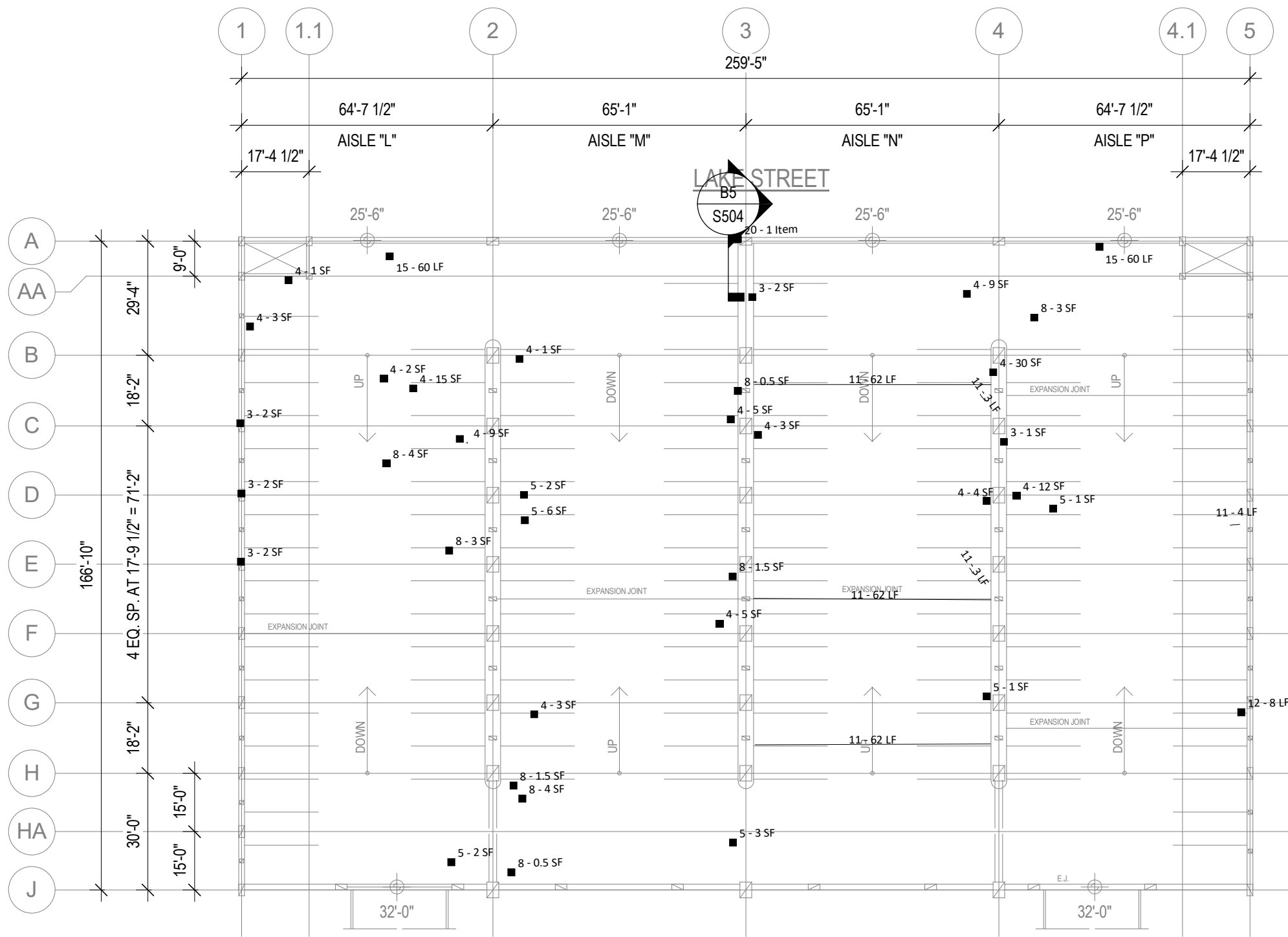
SHEET TITLE:

STATE STREET CAMPUS LAKE
LEVEL 1 PLAN

SHEET NUMBER:

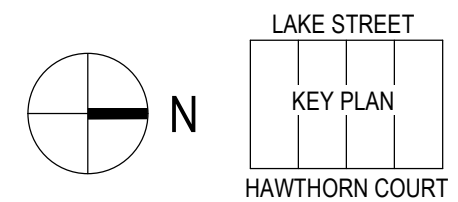
SL-S101

3/10/2022 1:12:34 PM



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

1 STATE STREET CAMPUS: LAKE (SSL) - LEVEL 2
1/32" = 1'-0"



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com

CLIENT:



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

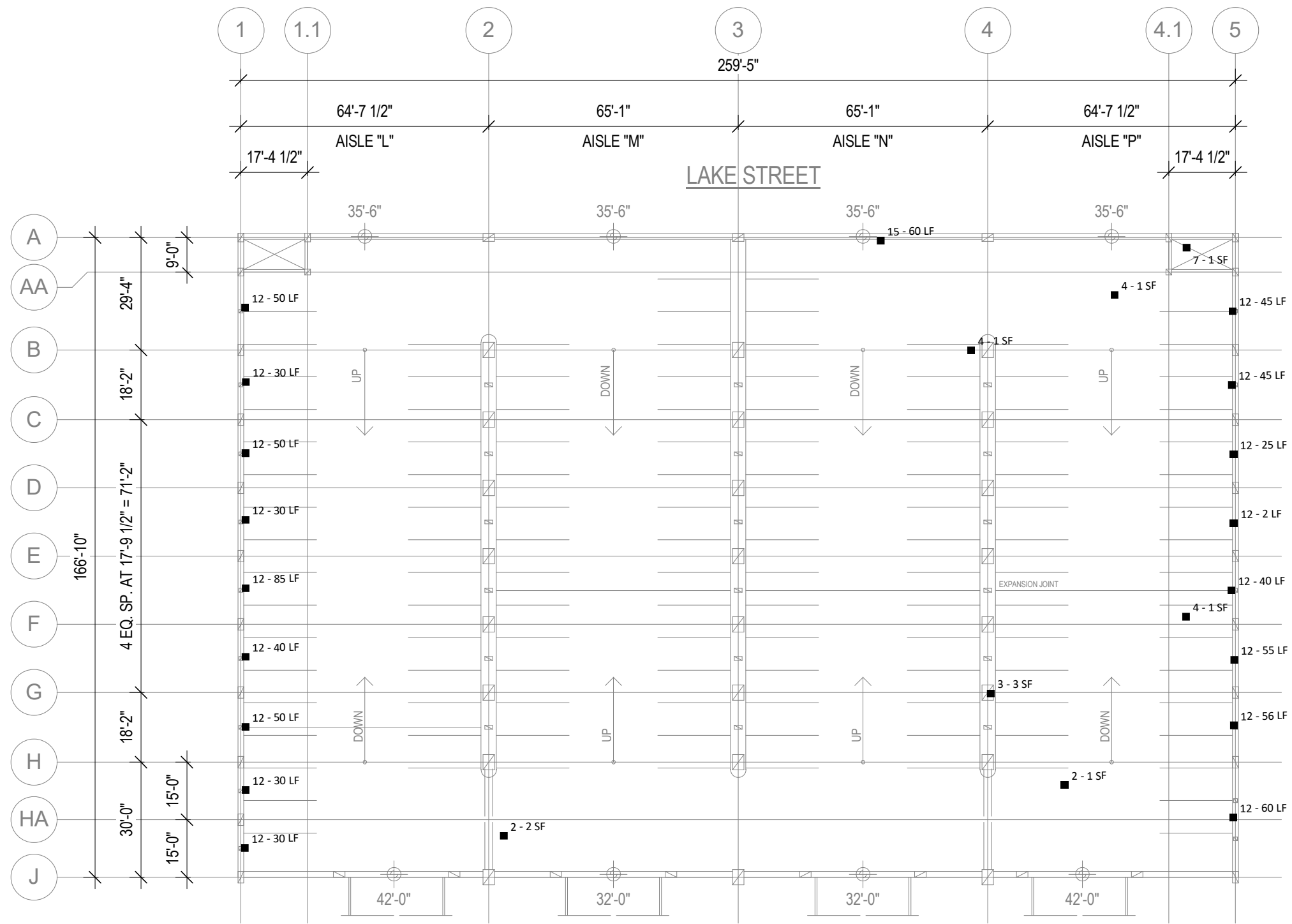
SHEET TITLE:

STATE STREET CAMPUS LAKE
LEVEL 2 PLAN

SHEET NUMBER:

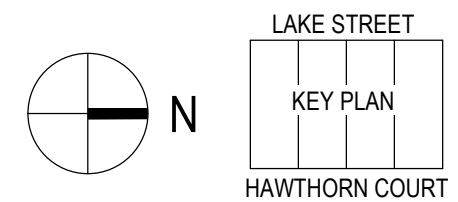
SL-S102

3/10/2022 1:12:34 PM



1 STATE STREET CAMPUS: LAKE (SSL) - LEVEL 3
 1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
 Suite 202
 Madison, WI 53703-3130
 608 / 242 1550
 www.graef-usa.com



CLIENT:
 Madison Municipal Building
 215 Martin Luther King Blvd
 Suite 109
 Madison, Wisconsin 53703

PROJECT TITLE:
 2022 PARKING GARAGE MAINTENANCE

ISSUE:
 1 03/10/2022 BID DOCUMENTS

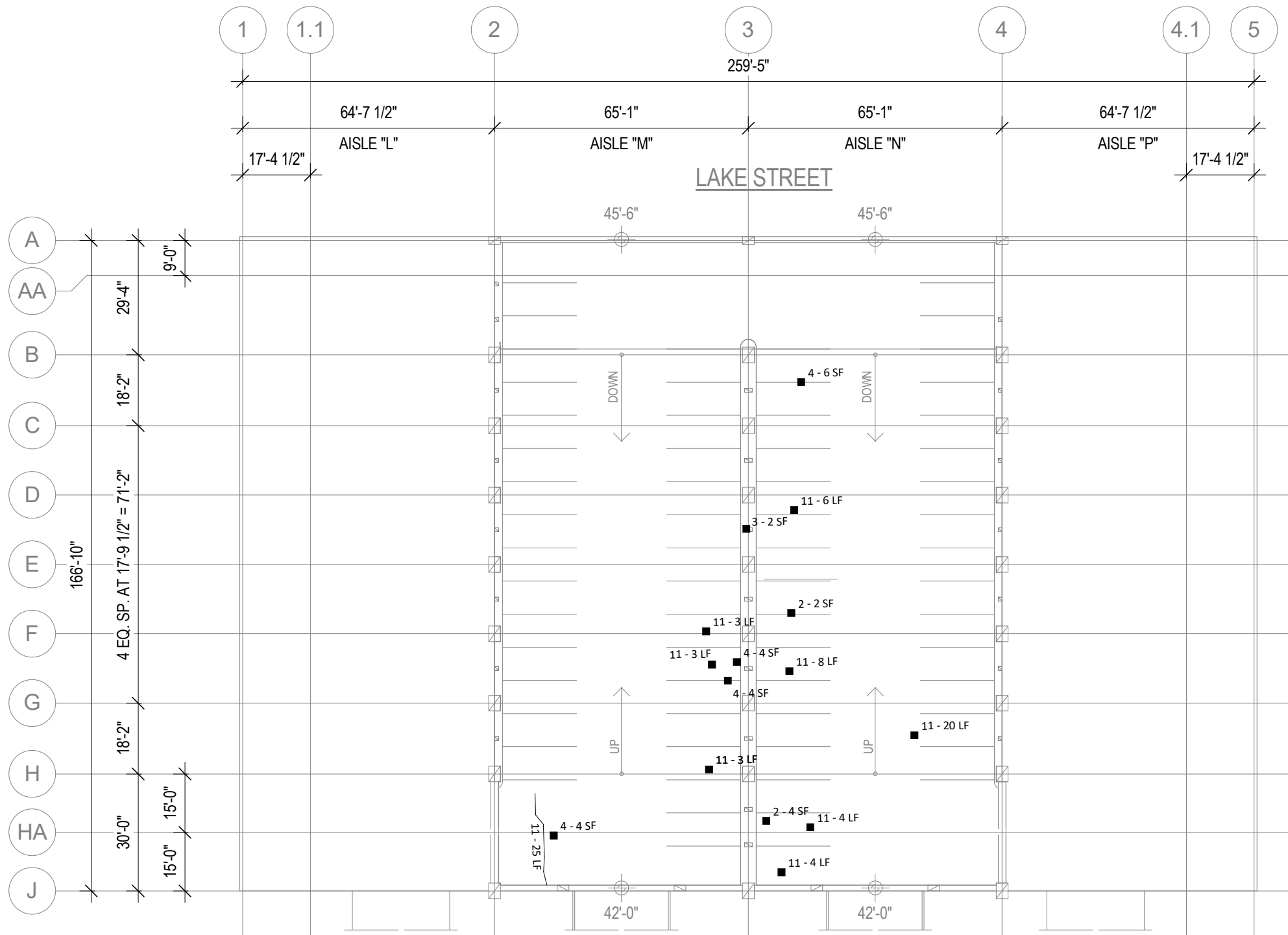
PROJECT INFORMATION:
 PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022
 DRAWN BY: AMG
 CHECKED BY: AMG
 APPROVED BY: DFW
 SCALE: AS NOTED

SHEET TITLE:
 STATE STREET CAMPUS LAKE LEVEL 3 PLAN

SHEET NUMBER:
SL-S103

3/10/2022 1:12:34 PM

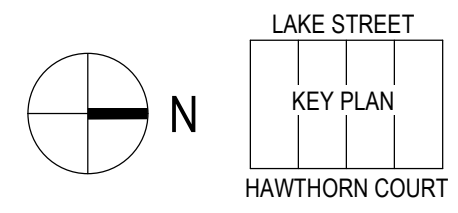


1

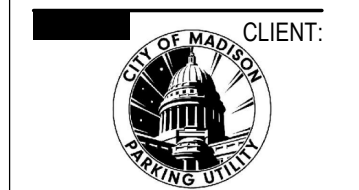
STATE STREET CAMPUS: LAKE (SSL) - LEVEL 4

1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:
PROJECT NUMBER: 2021-5006.04

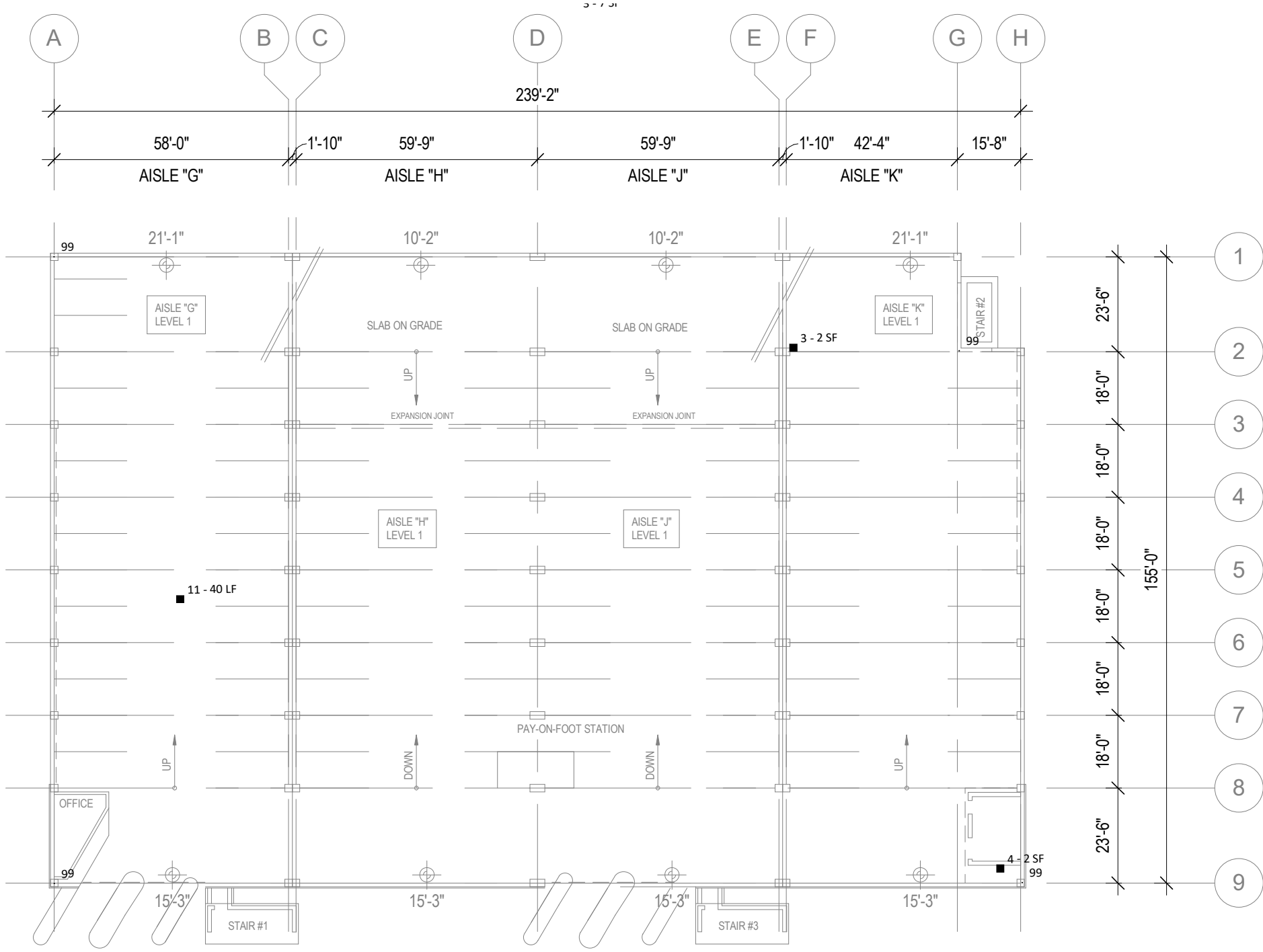
DATE: 03/10/2022
DRAWN BY: AMG
CHECKED BY: AMG
APPROVED BY: DFW
SCALE: AS NOTED

SHEET TITLE:
STATE STREET CAMPUS LAKE
LEVEL 4 PLAN

SHEET NUMBER:

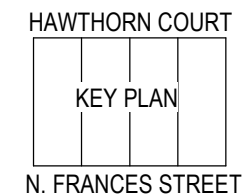
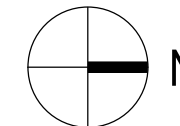
SL-S104

3/10/2022 1:12:31 PM



STATE STREET CAMPUS: FRANCES (SSF) - LEVEL 1

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE MAINTENANCE

ISSUE:
1 03/10/2022 BID DOCUMENTS

PROJECT INFORMATION:
PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022
DRAWN BY: AMG
CHECKED BY: AMG
APPROVED BY: DFW
SCALE: AS NOTED

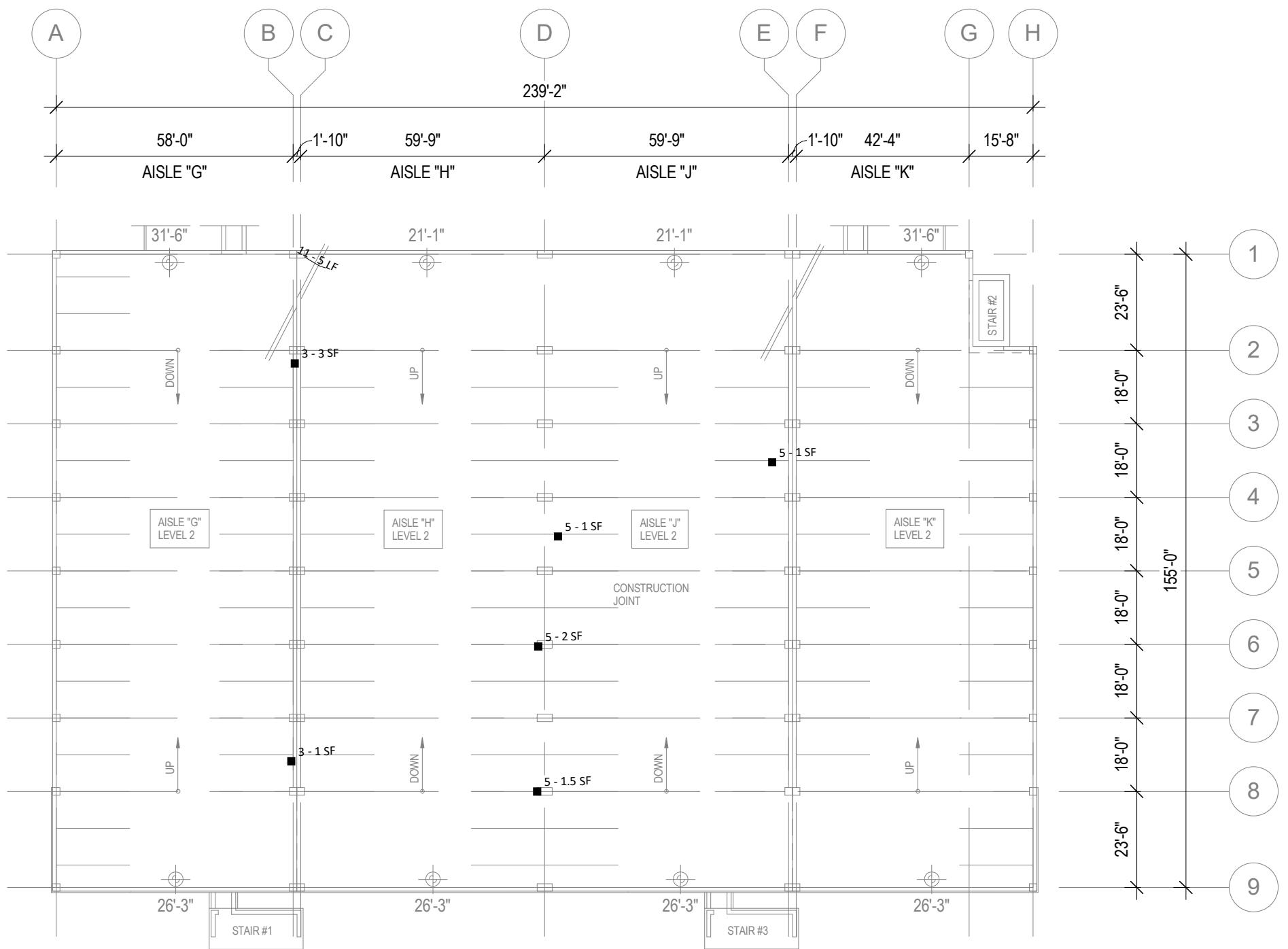
SHEET TITLE:

STATE STREET CAMPUS
FRANCES LEVEL 1 PLAN

SHEET NUMBER:

SF-S101

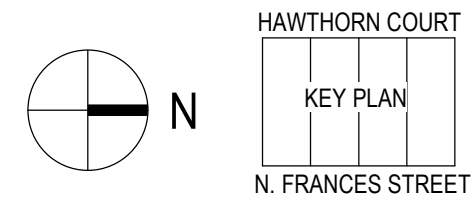
3/10/2022 1:12:31 PM



STATE STREET CAMPUS: FRANCES (SSF) - LEVEL 2

1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

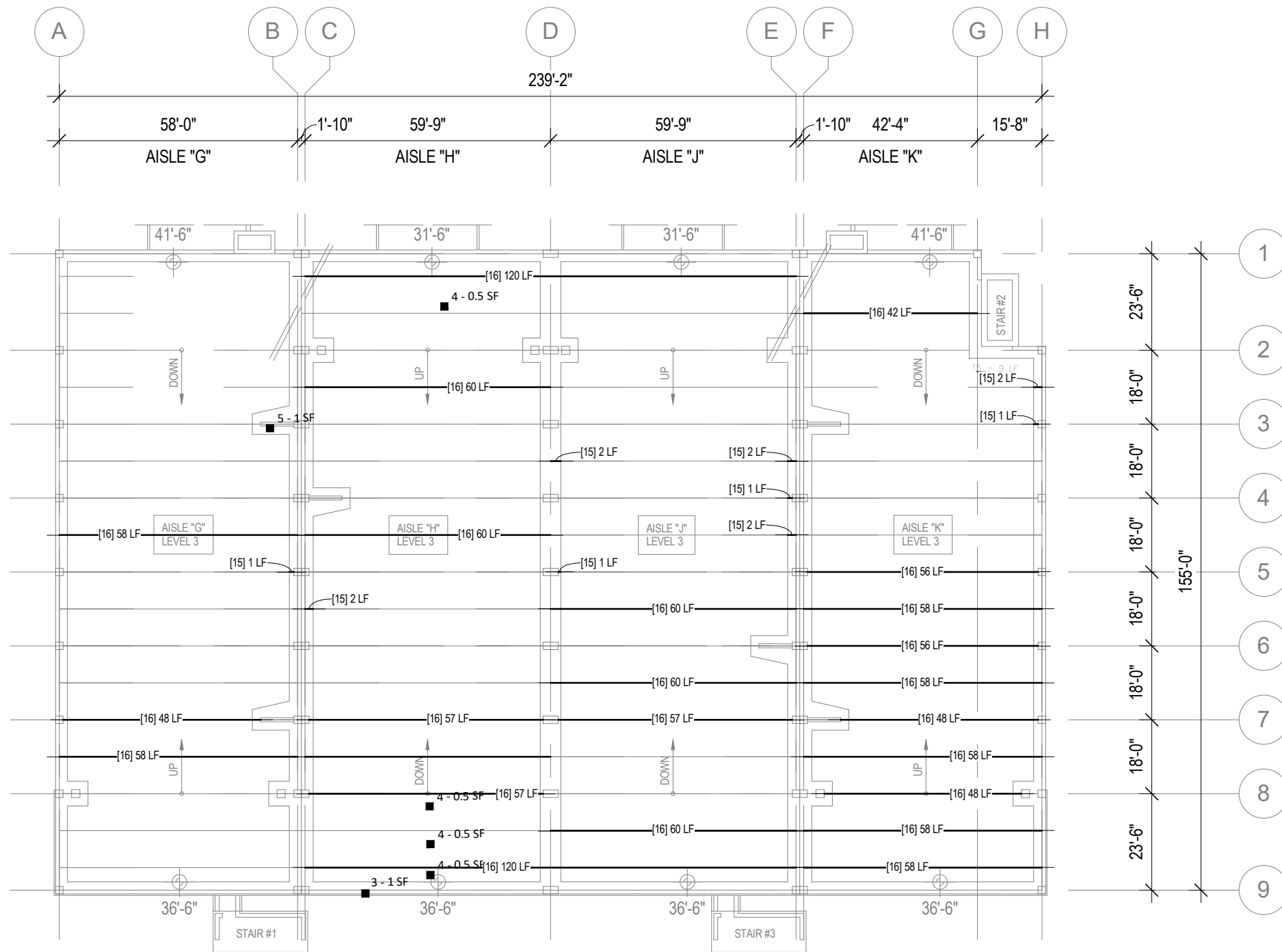
SHEET TITLE:

STATE STREET CAMPUS
FRANCES LEVEL 2 PLAN

SHEET NUMBER:

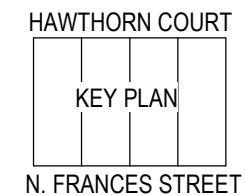
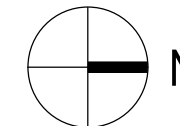
SF-S102

3/10/2022 1:12:32 PM



STATE STREET CAMPUS: FRANCES (SSF) - LEVEL 3

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:
PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022
DRAWN BY: AMG
CHECKED BY: AMG
APPROVED BY: DFW
SCALE: AS NOTED

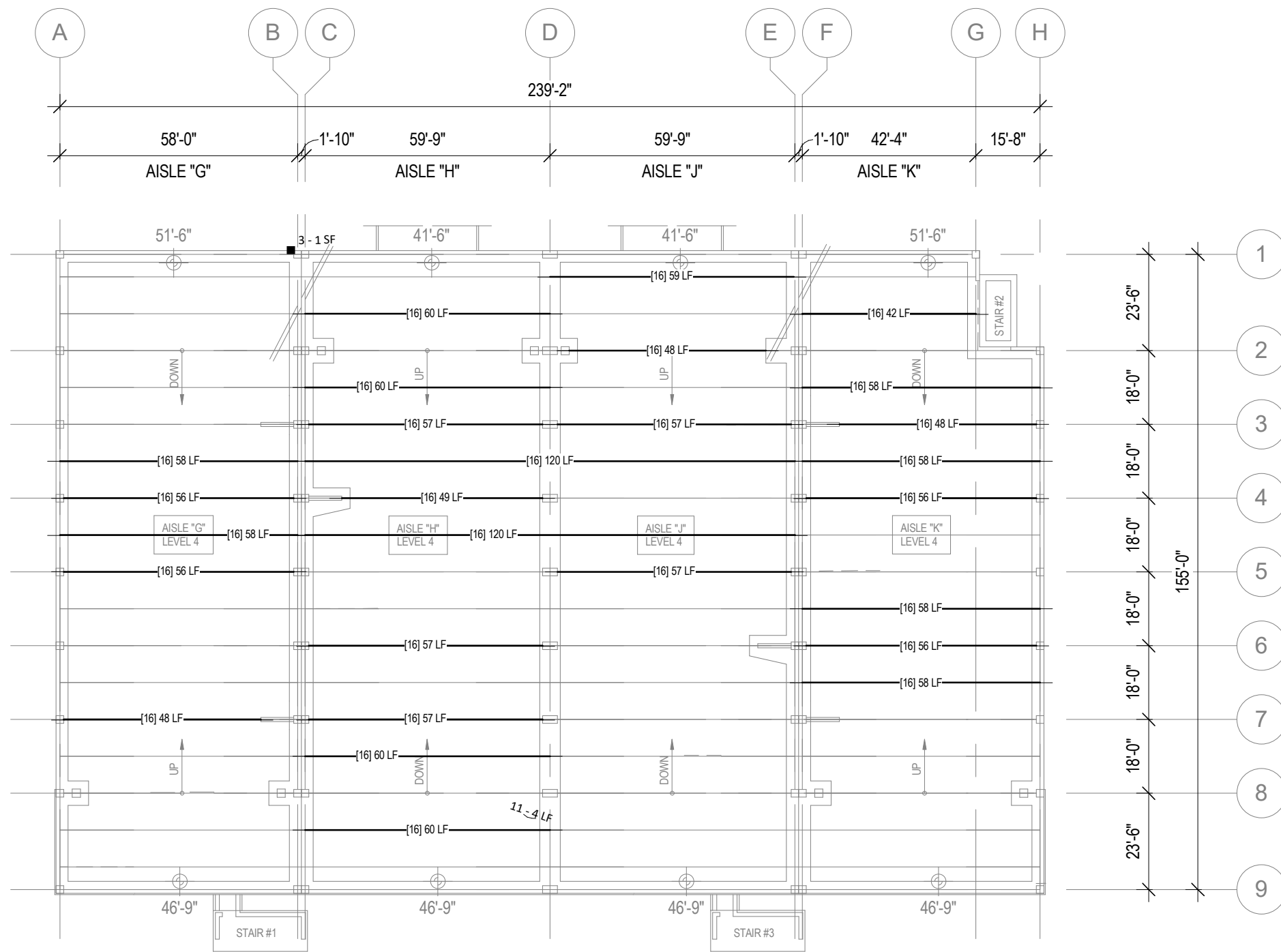
SHEET TITLE:

STATE STREET CAMPUS
FRANCES LEVEL 3 PLAN

SHEET NUMBER:

SF-S103

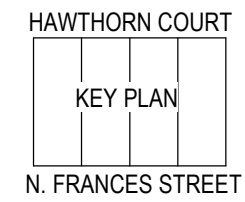
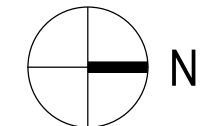
3/10/2022 1:12:32 PM



STATE STREET CAMPUS: FRANCES (SSF) - LEVEL 4

1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE MAINTENANCE

ISSUE:

1 03/10/2022 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

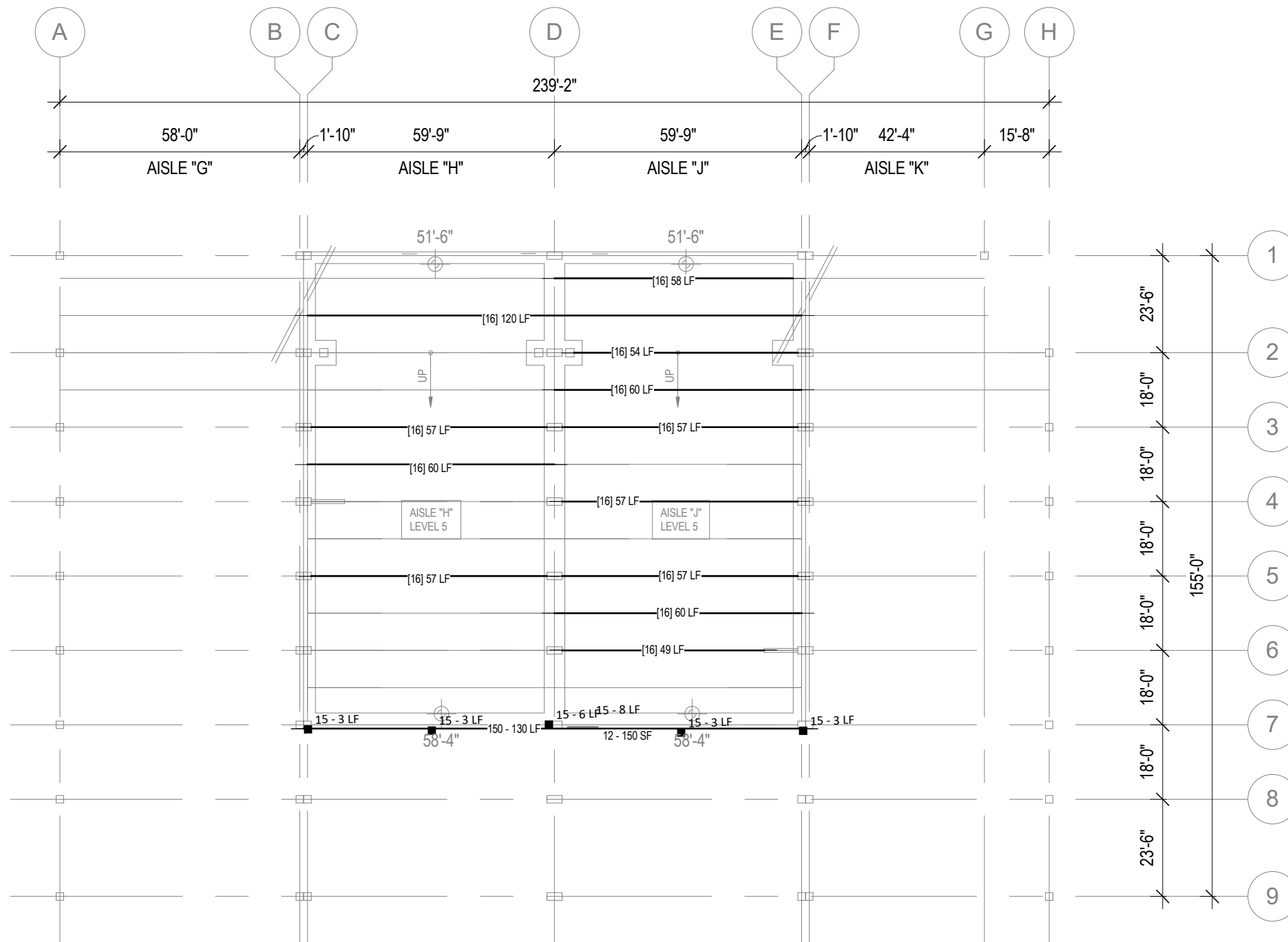
SHEET TITLE:

STATE STREET CAMPUS
FRANCES LEVEL 4 PLAN

SHEET NUMBER:

SF-S104

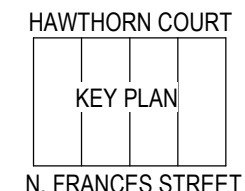
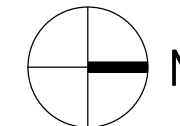
3/10/2022 1:12:32 PM



STATE STREET CAMPUS: FRANCES (SSF) - LEVEL 5

1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

CLIENT:

PROJECT TITLE:

2022 PARKING GARAGE MAINTENANCE

ISSUE:

1 03/10/2022 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

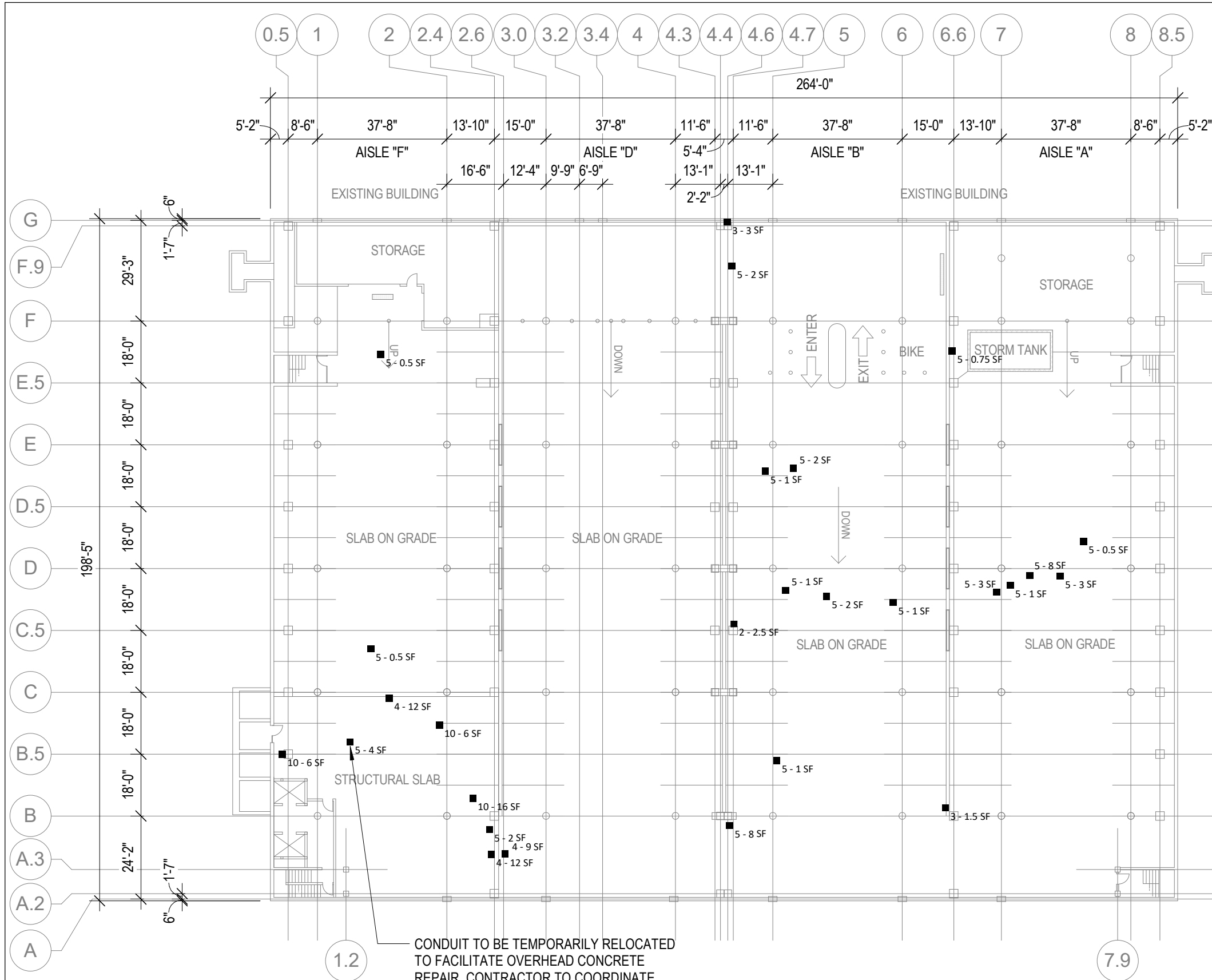
SHEET TITLE:

STATE STREET CAMPUS
FRANCES LEVEL 5 PLAN

SHEET NUMBER:

SF-S105

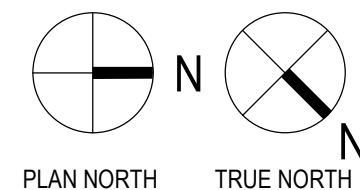
3/10/2022 1:12:28 PM



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

STATE STREET CAPITOL (SSCO) - LOWER LEVEL

1/32" = 1'-0"



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

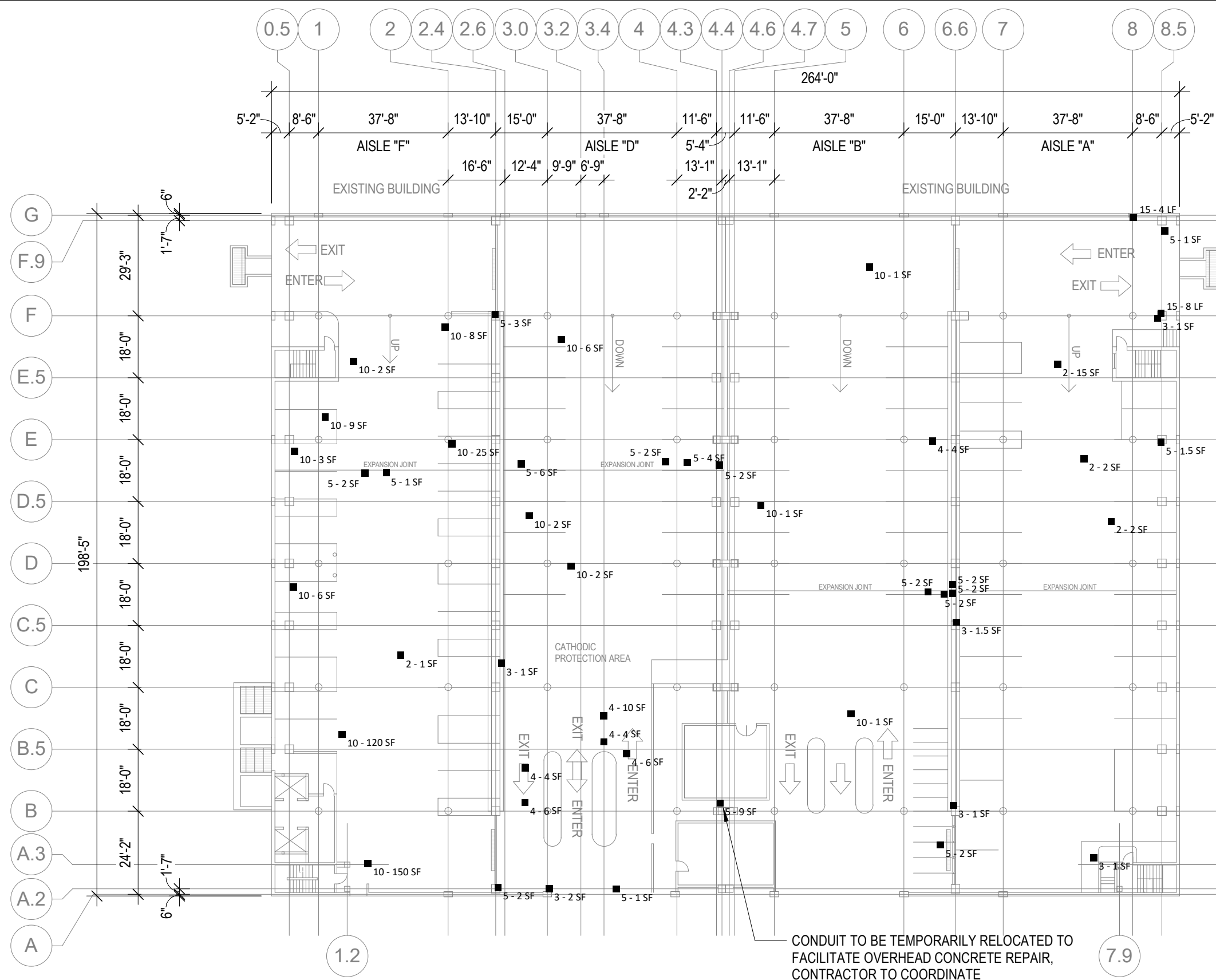
SHEET TITLE:

STATE STREET CAPITOL
LOWER LEVEL PLAN

SHEET NUMBER:

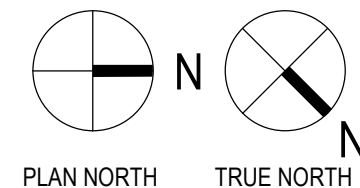
SC-S100

3/10/2022 1:12:29 PM



STATE STREET CAPITOL (SSCO) - LEVEL 1

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

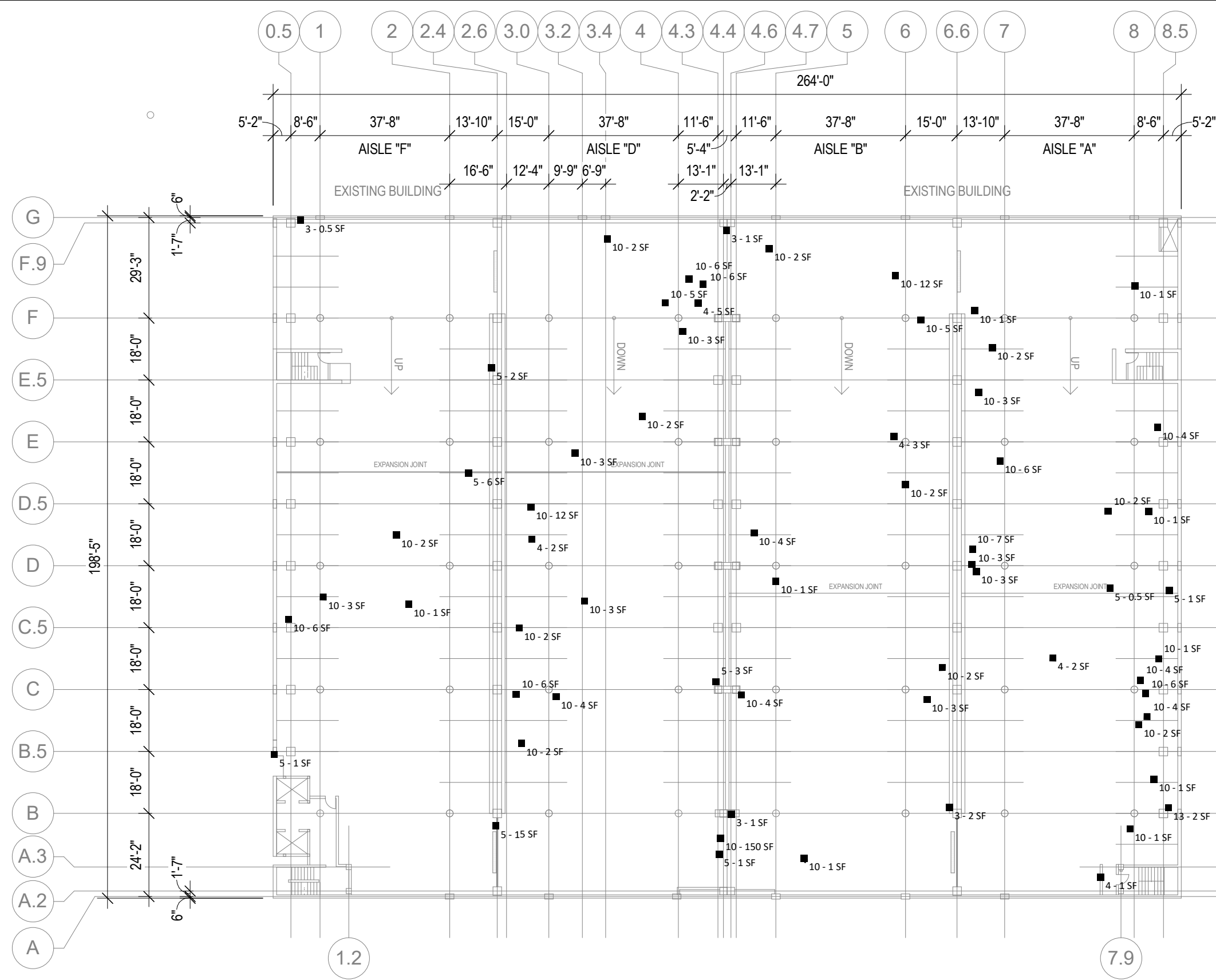
SHEET TITLE:

STATE STREET CAPITOL LEVEL
1 PLAN

SHEET NUMBER:

SC-S101

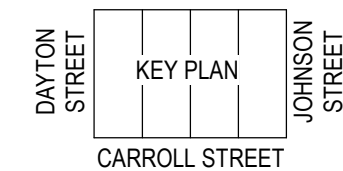
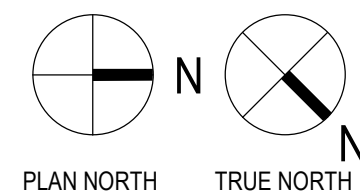
3/10/2022 1:12:29 PM



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

STATE STREET CAPITOL (SSCO) - LEVEL 2

1/32" = 1'-0"



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

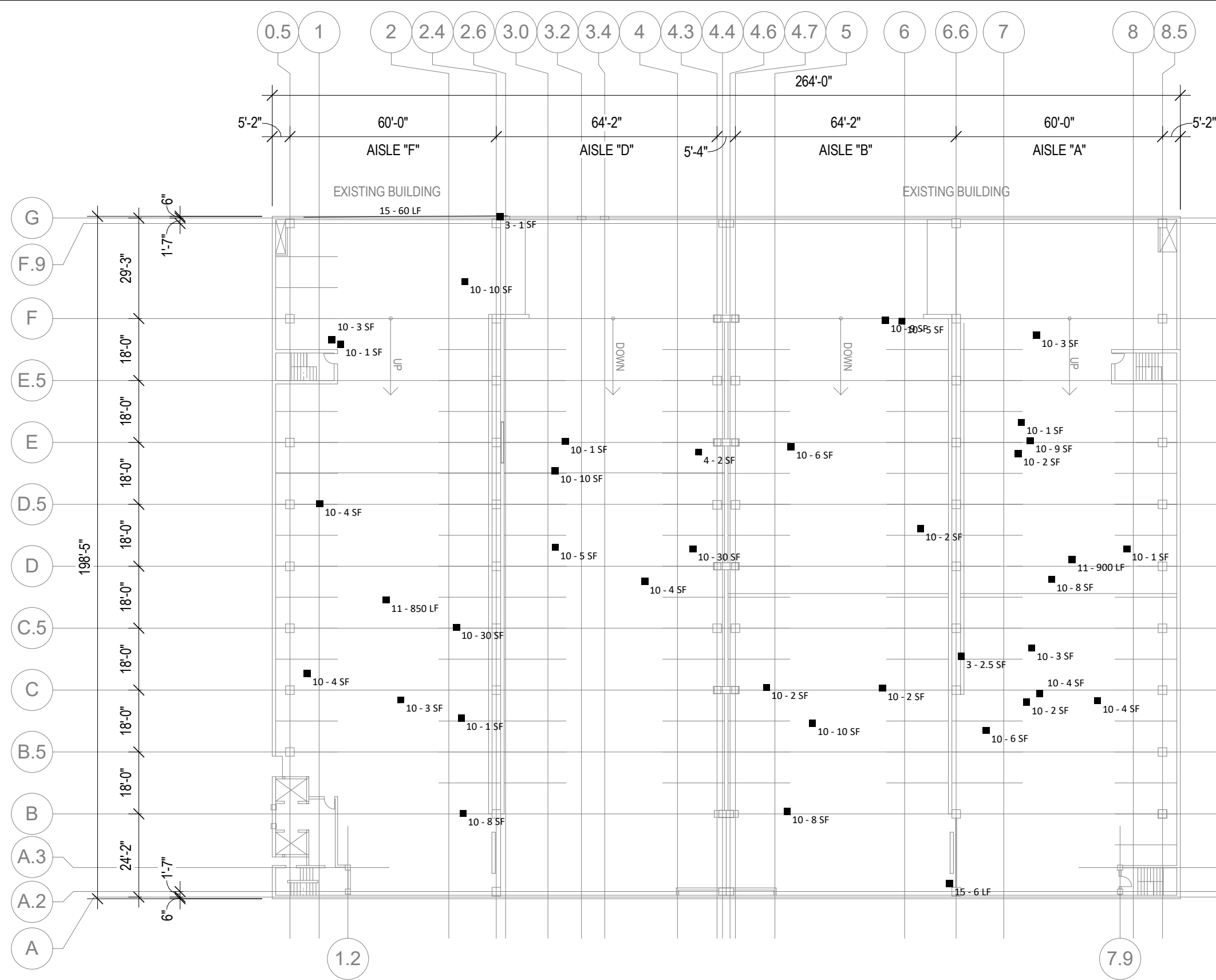
SHEET TITLE:

STATE STREET CAPITOL LEVEL 2 PLAN

SHEET NUMBER:

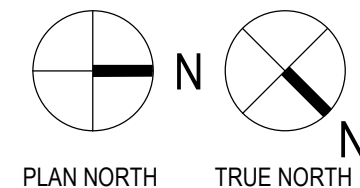
SC-S102

3/10/2022 1:12:29 PM



STATE STREET CAPITOL (SSCO) - LEVEL 3

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

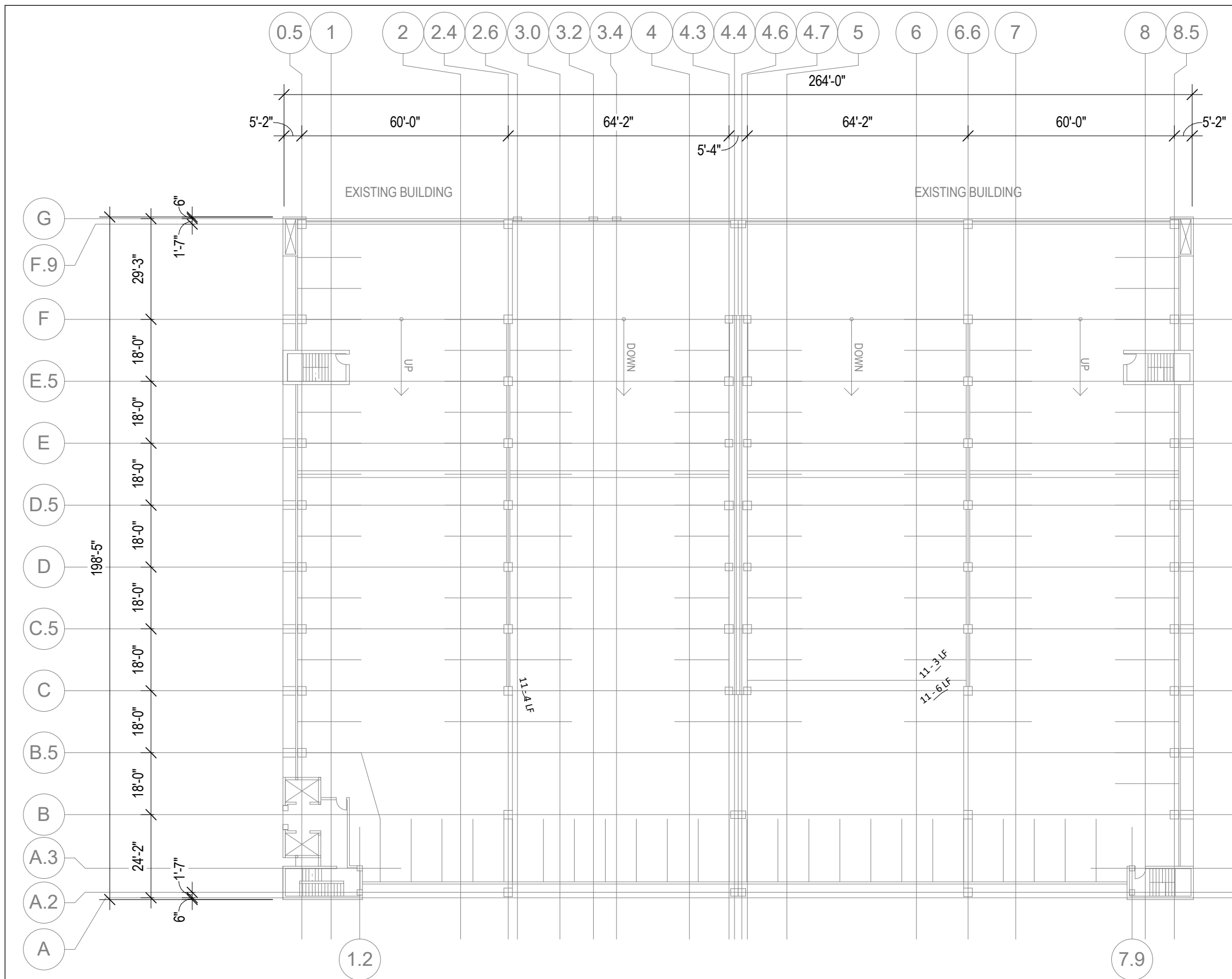
SHEET TITLE:

STATE STREET CAPITOL LEVEL
3 PLAN

SHEET NUMBER:

SC-S103

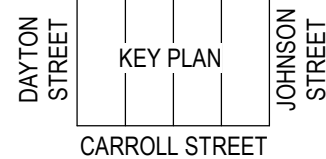
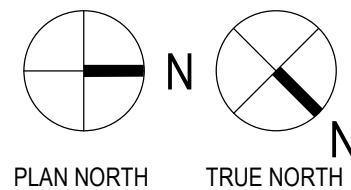
3/10/2022 1:12:30 PM



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

STATE STREET CAPITOL (SSCO) - LEVEL 4

1/32" = 1'-0"



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

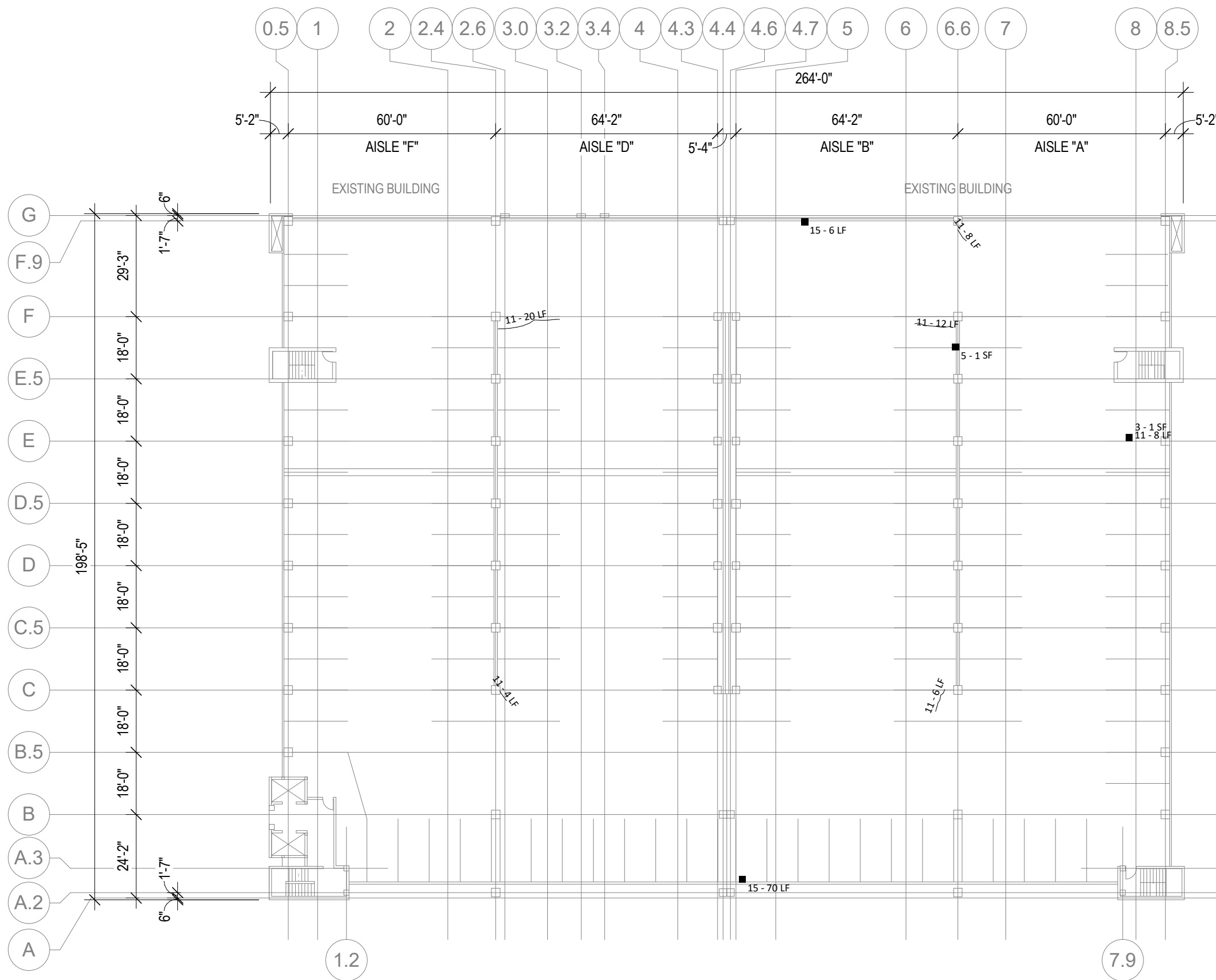
PROJECT INFORMATION:
PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022
DRAWN BY: AMG
CHECKED BY: AMG
APPROVED BY: DFW
SCALE: AS NOTED

SHEET TITLE:
STATE STREET CAPITOL LEVEL
4 PLAN

SHEET NUMBER:
SC-S104

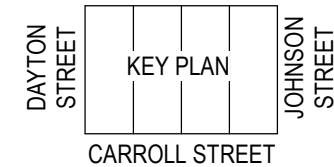
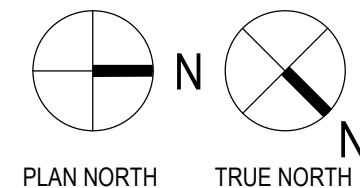
3/10/2022 1:12:30 PM



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

STATE STREET CAPITOL (SSCO) - LEVEL 5

1/32" = 1'-0"



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

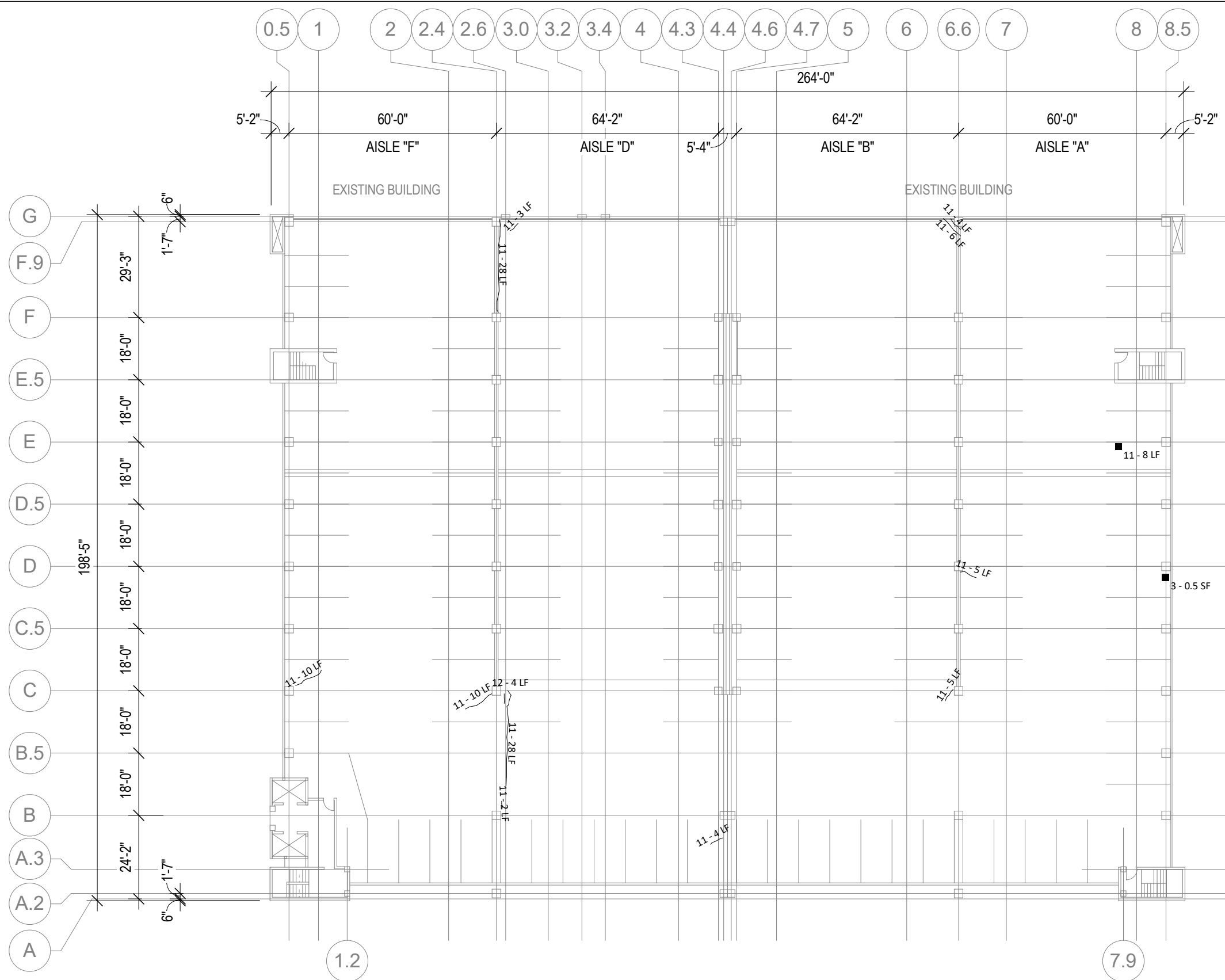
SHEET TITLE:

STATE STREET CAPITOL LEVEL
5 PLAN

SHEET NUMBER:

SC-S105

3/10/2022 1:12:30 PM



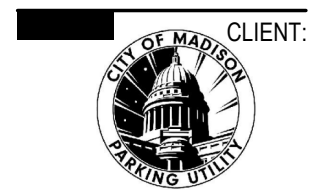
PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

STATE STREET CAPITOL (SSCO) - LEVEL 6

1/32" = 1'-0"



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

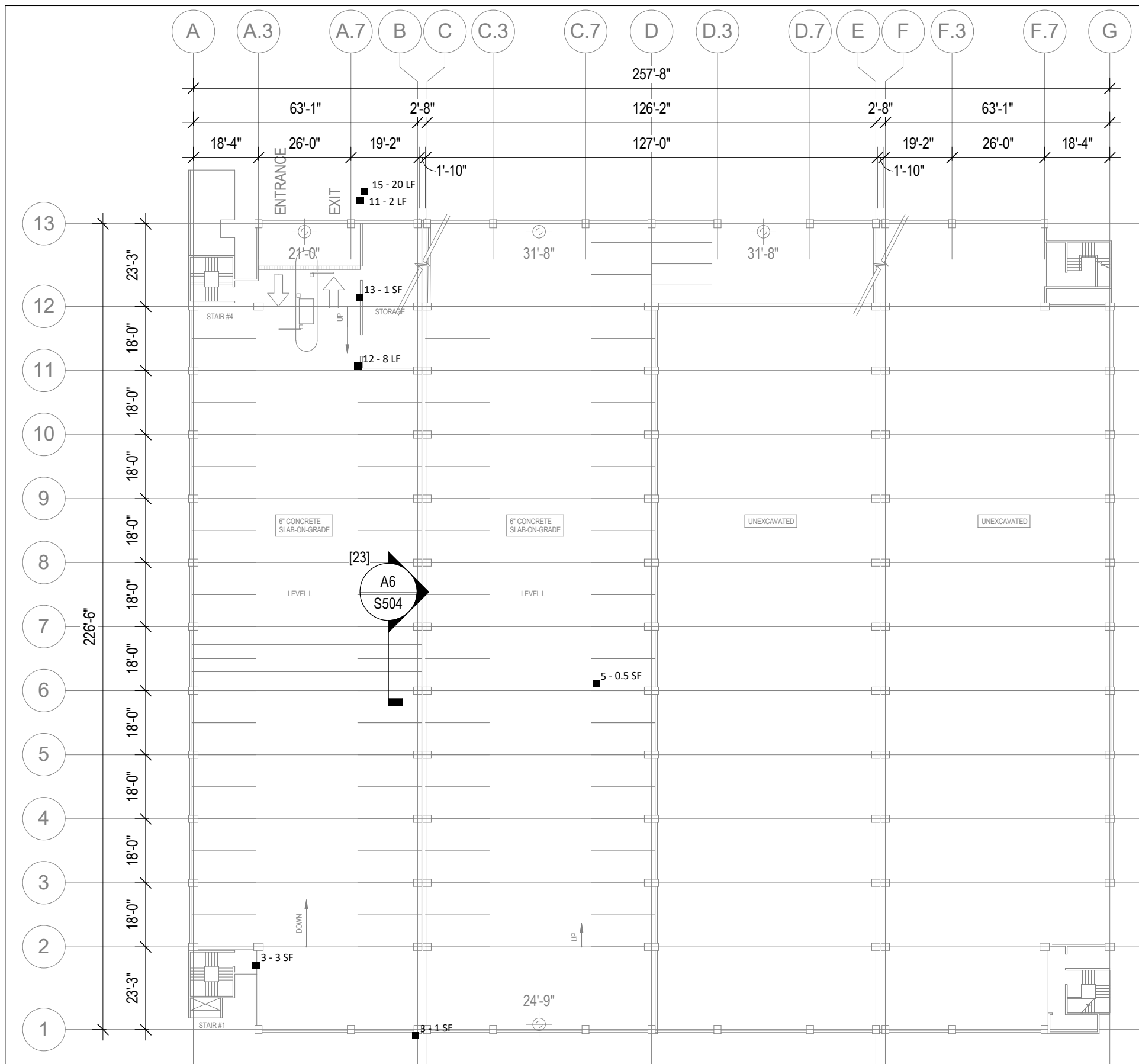
PROJECT INFORMATION:
PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022
DRAWN BY: AMG
CHECKED BY: AMG
APPROVED BY: DFW
SCALE: AS NOTED

SHEET TITLE:
STATE STREET CAPITOL LEVEL
6 PLAN

SHEET NUMBER:
SC-S106

3/10/2022 1:12:17 PM



CAPITOL SQUARE NORTH (CSN) - LOWER LEVEL

1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

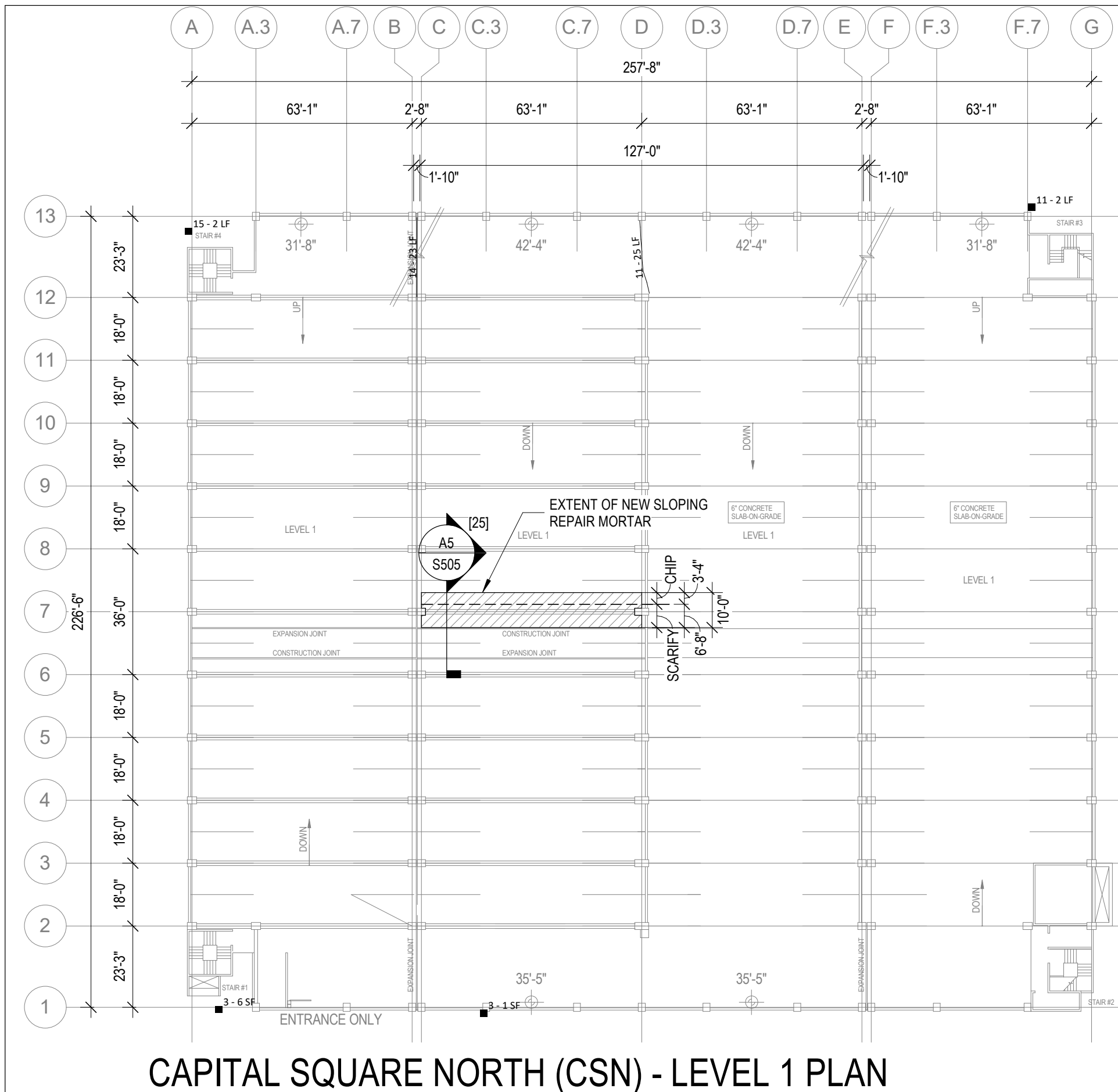
SHEET TITLE:

CAPITOL SQUARE NORTH
LOWER LEVEL PLAN

SHEET NUMBER:

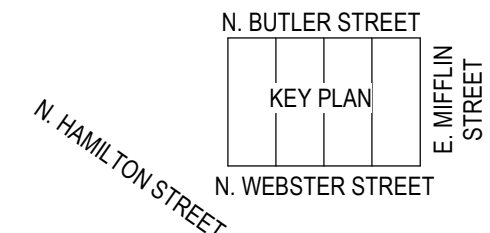
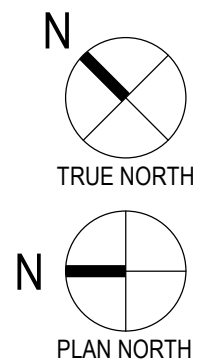
CN-S100

3/10/2022 1:12:17 PM



CAPITAL SQUARE NORTH (CSN) - LEVEL 1 PLAN

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com

CLIENT:



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE MAINTENANCE

ISSUE:

1 03/10/2022 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

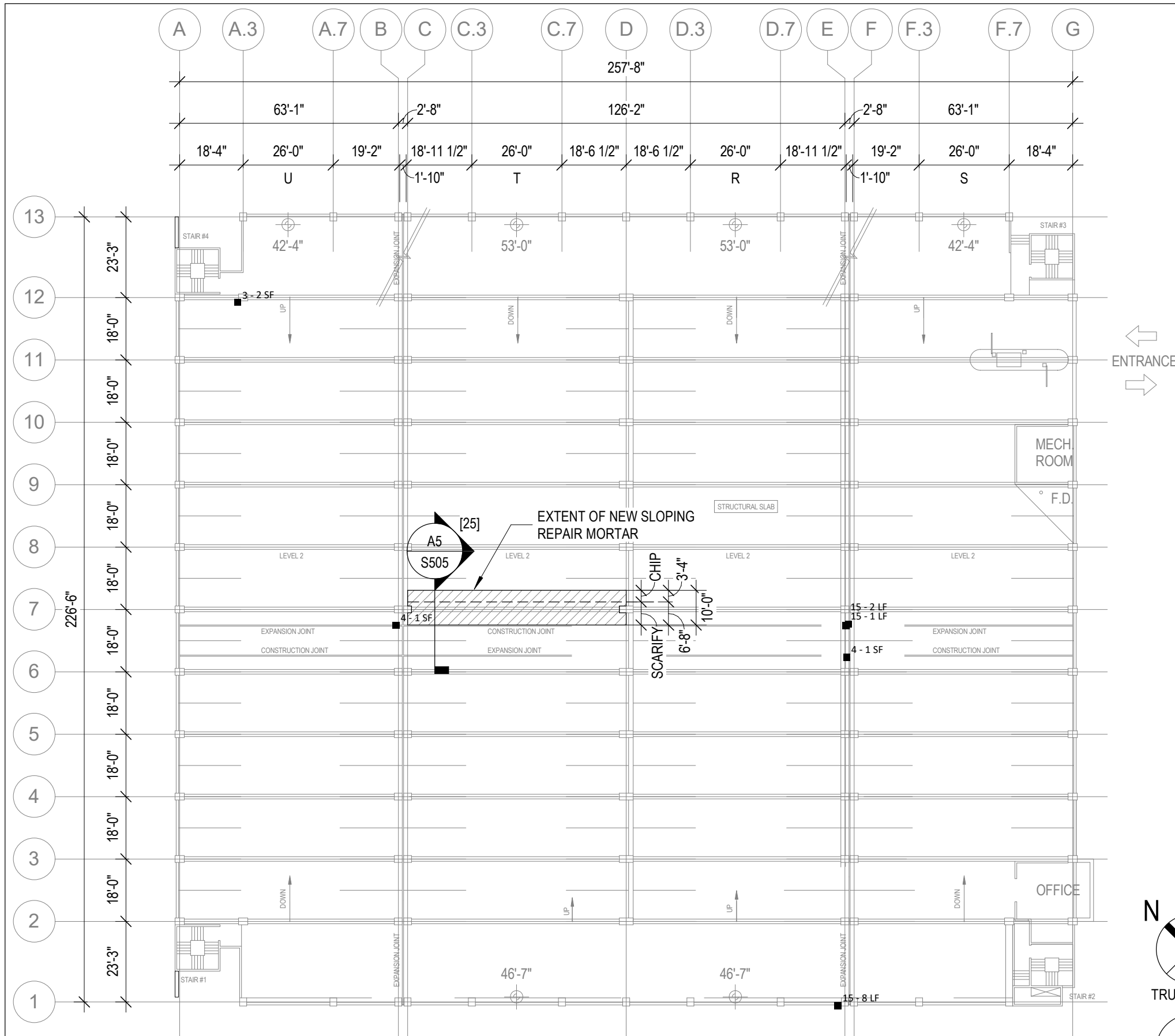
SHEET TITLE:

CAPITOL SQUARE NORTH LEVEL 1 PLAN

SHEET NUMBER:

CN-S101

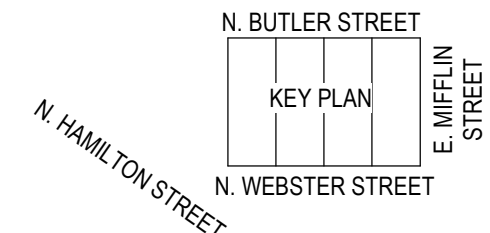
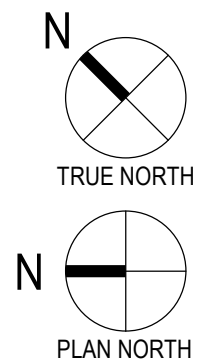
3/10/2022 1:12:17 PM



CAPITAL SQUARE NORTH (CSN) - LEVEL 2 PLAN

1/32" = 1'-0"

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

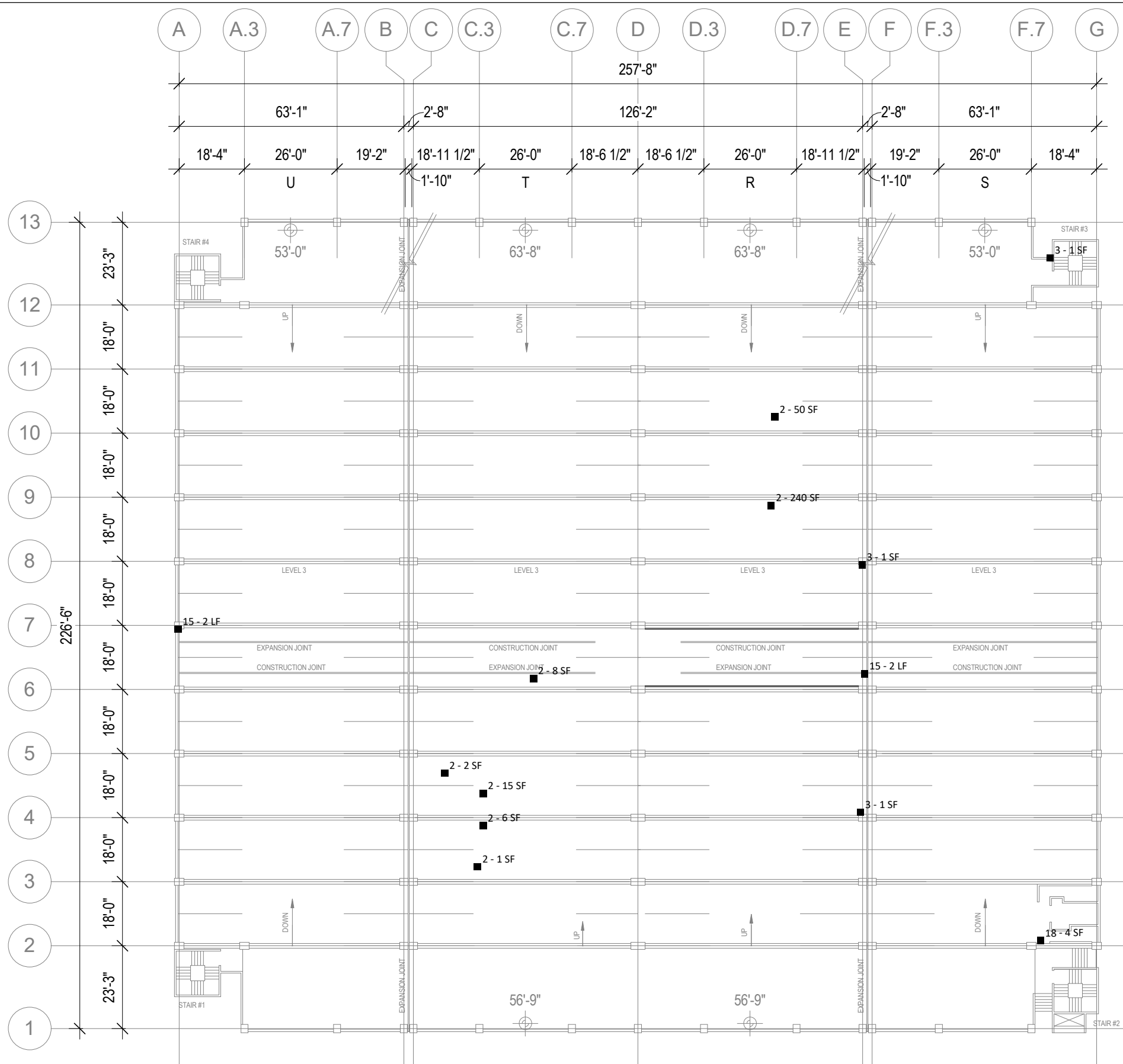
PROJECT INFORMATION:
PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022
DRAWN BY: AMG
CHECKED BY: AMG
APPROVED BY: DFW
SCALE: AS NOTED

SHEET TITLE:
CAPITOL SQUARE NORTH
LEVEL 2 PLAN

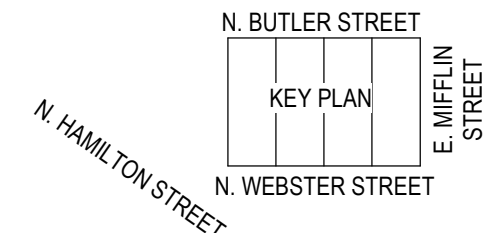
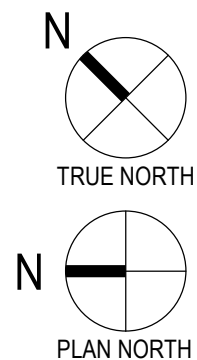
SHEET NUMBER:
CN-S102

3/10/2022 1:12:18 PM



CAPITAL SQUARE NORTH (CSN) - LEVEL 3 PLAN

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com

CLIENT:



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE MAINTENANCE

ISSUE:

1 03/10/2022 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

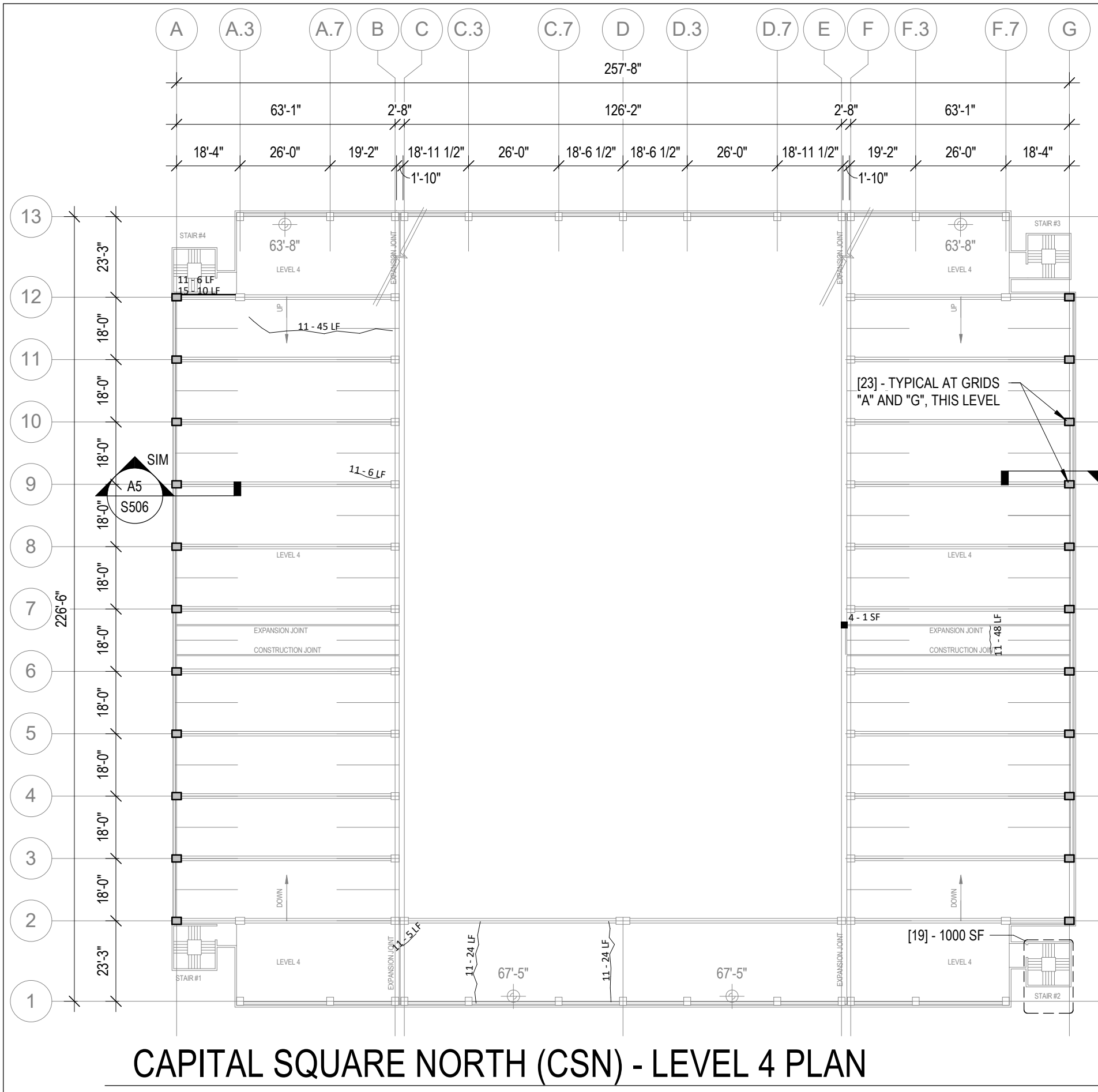
SHEET TITLE:

CAPITOL SQUARE NORTH
LEVEL 3 PLAN

SHEET NUMBER:

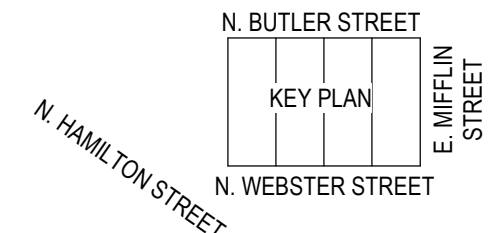
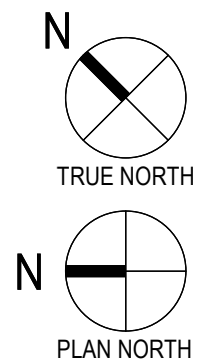
CN-S103

3/10/2022 1:12:18 PM



CAPITAL SQUARE NORTH (CSN) - LEVEL 4 PLAN

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com

CLIENT:



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE MAINTENANCE

ISSUE:

1 03/10/2022 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

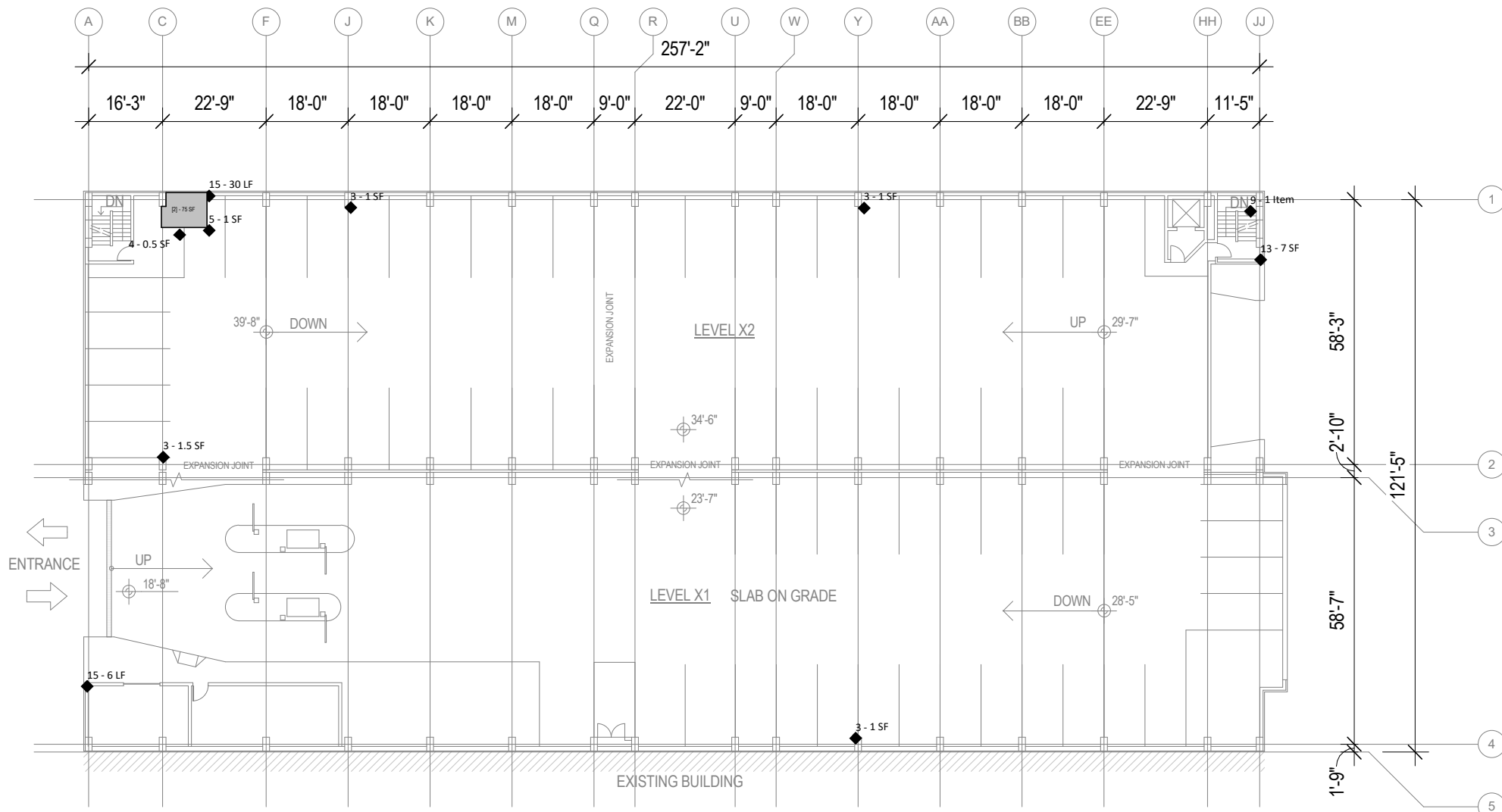
SHEET TITLE:

CAPITOL SQUARE NORTH
LEVEL 4 PLAN

SHEET NUMBER:

CN-S104

3/10/2022 1:12:22 PM



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com

CLIENT:



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE MAINTENANCE

ISSUE:

1 03/10/2022 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

OVERTURE CENTER LEVEL X1/X2 PLAN

SHEET NUMBER:

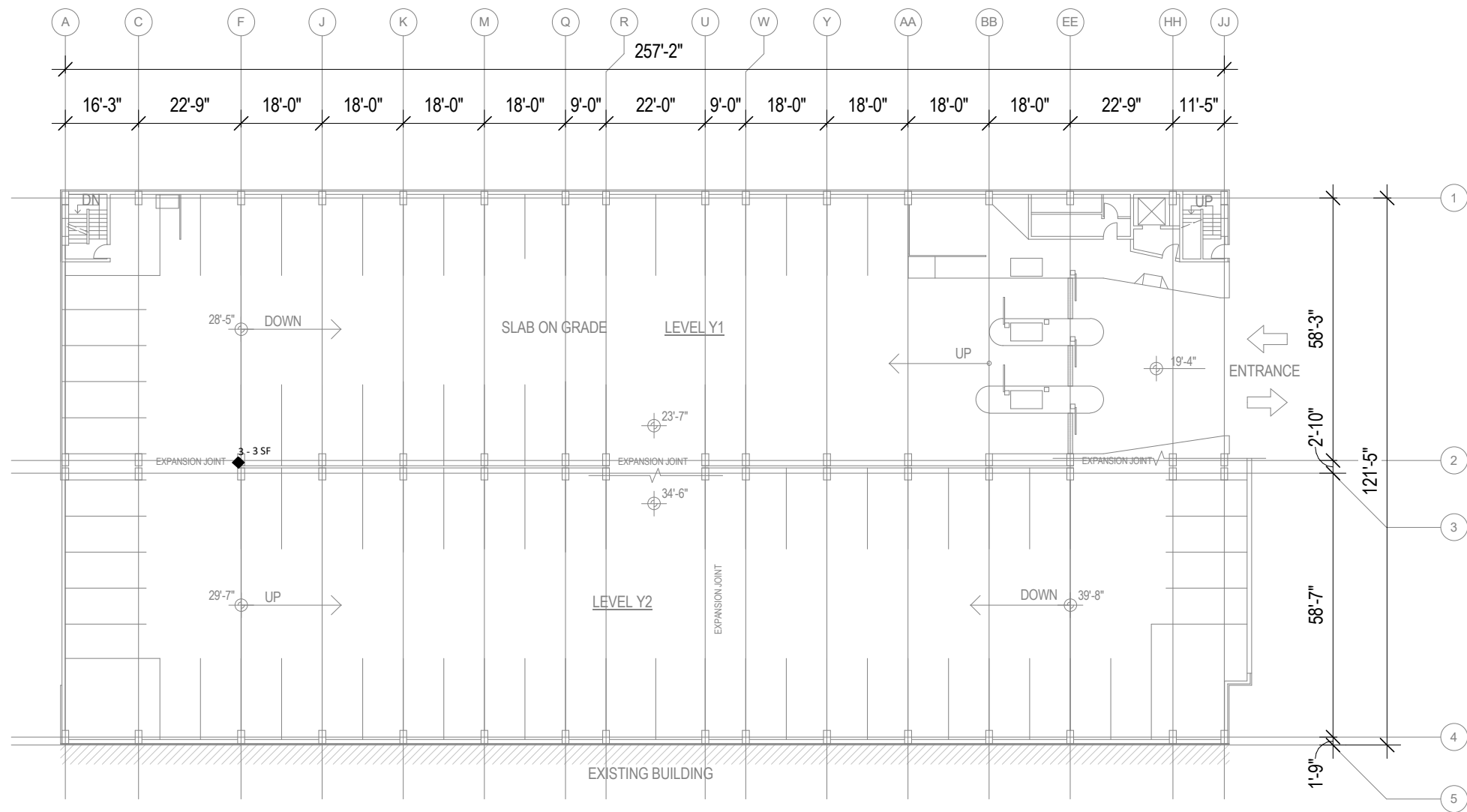
OC-S101

OVERTURE CENTER (OC) - LEVEL X1/X2

1/32" = 1'-0"

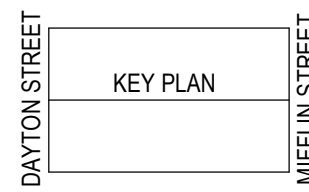
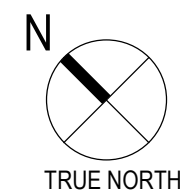
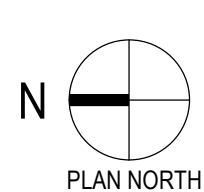


3/10/2022 1:12:22 PM



OVERTURE CENTER (OC) - LEVEL Y1/Y2

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

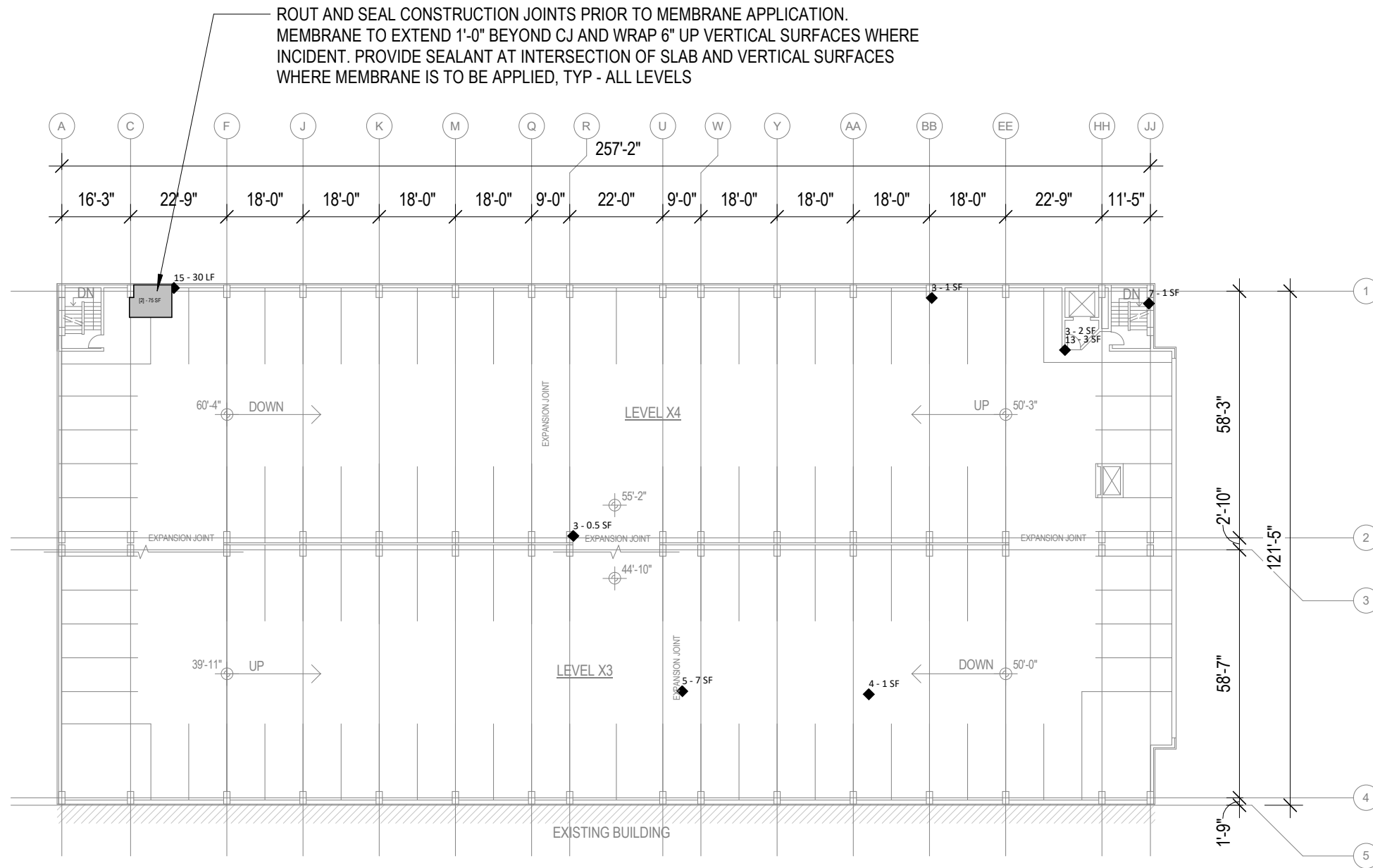
SHEET TITLE:

OVERTURE CENTER LEVEL
Y1/Y2 PLAN

SHEET NUMBER:

OC-S102

3/10/2022 1:12:23 PM



OVERTURE CENTER (OC) - LEVEL X3/X4

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

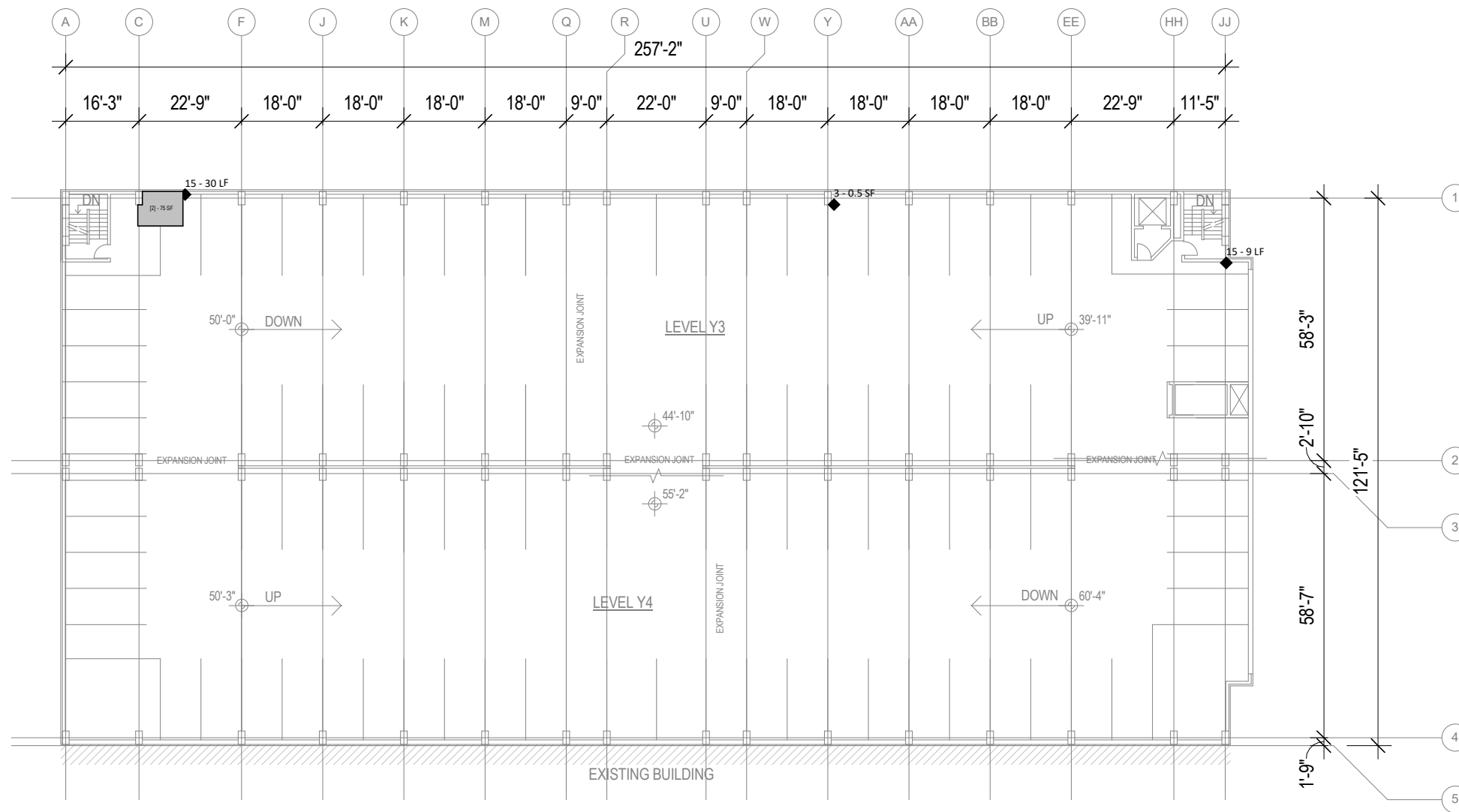
SHEET TITLE:

OVERTURE CENTER LEVEL
X3/X4 PLAN

SHEET NUMBER:

OC-S103

3/10/2022 1:12:23 PM



OVERTURE CENTER (OC) - LEVEL Y3/Y4

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com

CLIENT:



Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

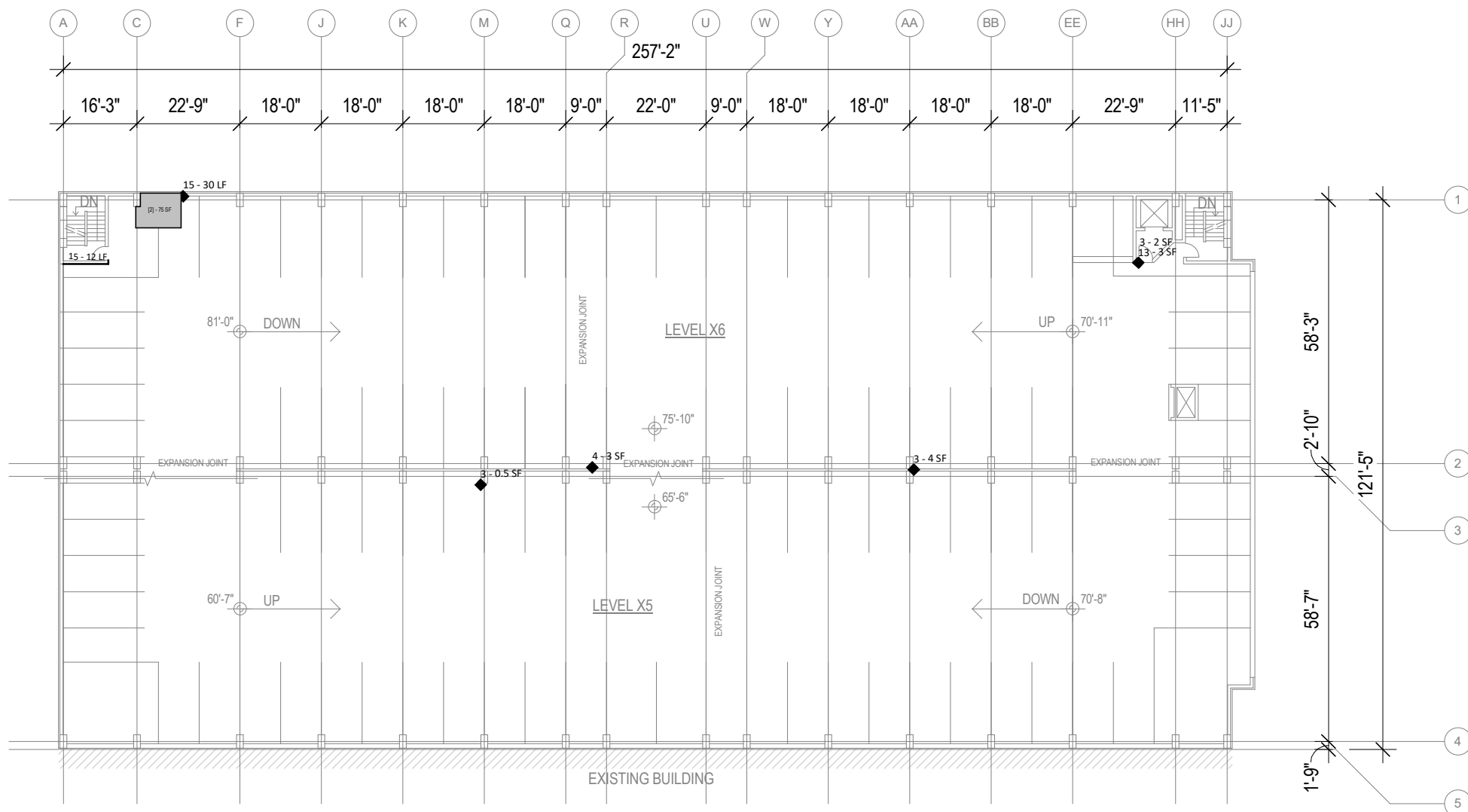
SHEET TITLE:

OVERTURE CENTER LEVEL
Y3/Y4 PLAN

SHEET NUMBER:

OC-S104

3/10/2022 1:12:23 PM



OVERTURE CENTER (OC) - LEVEL X5/X6

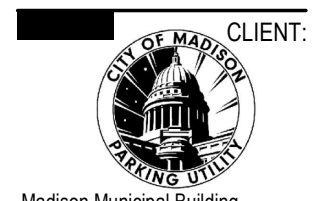
1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550
www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

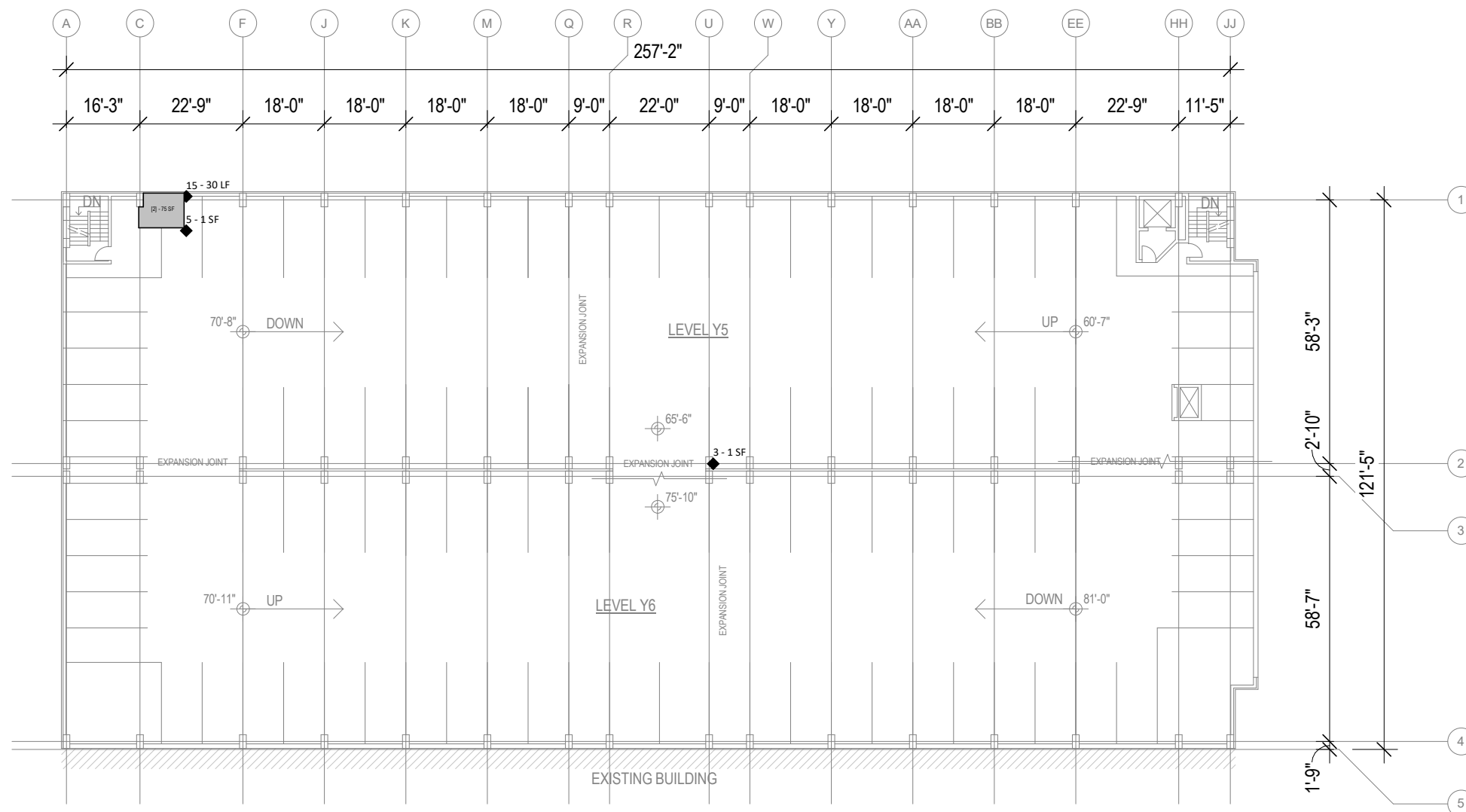
SHEET TITLE:

OVERTURE CENTER LEVEL
X5/X6 PLAN

SHEET NUMBER:

OC-S105

3/10/2022 1:12:24 PM



OVERTURE CENTER (OC) - LEVEL Y5/Y6

1/32" = 1'-0"

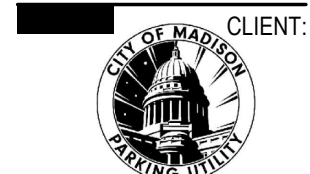


PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

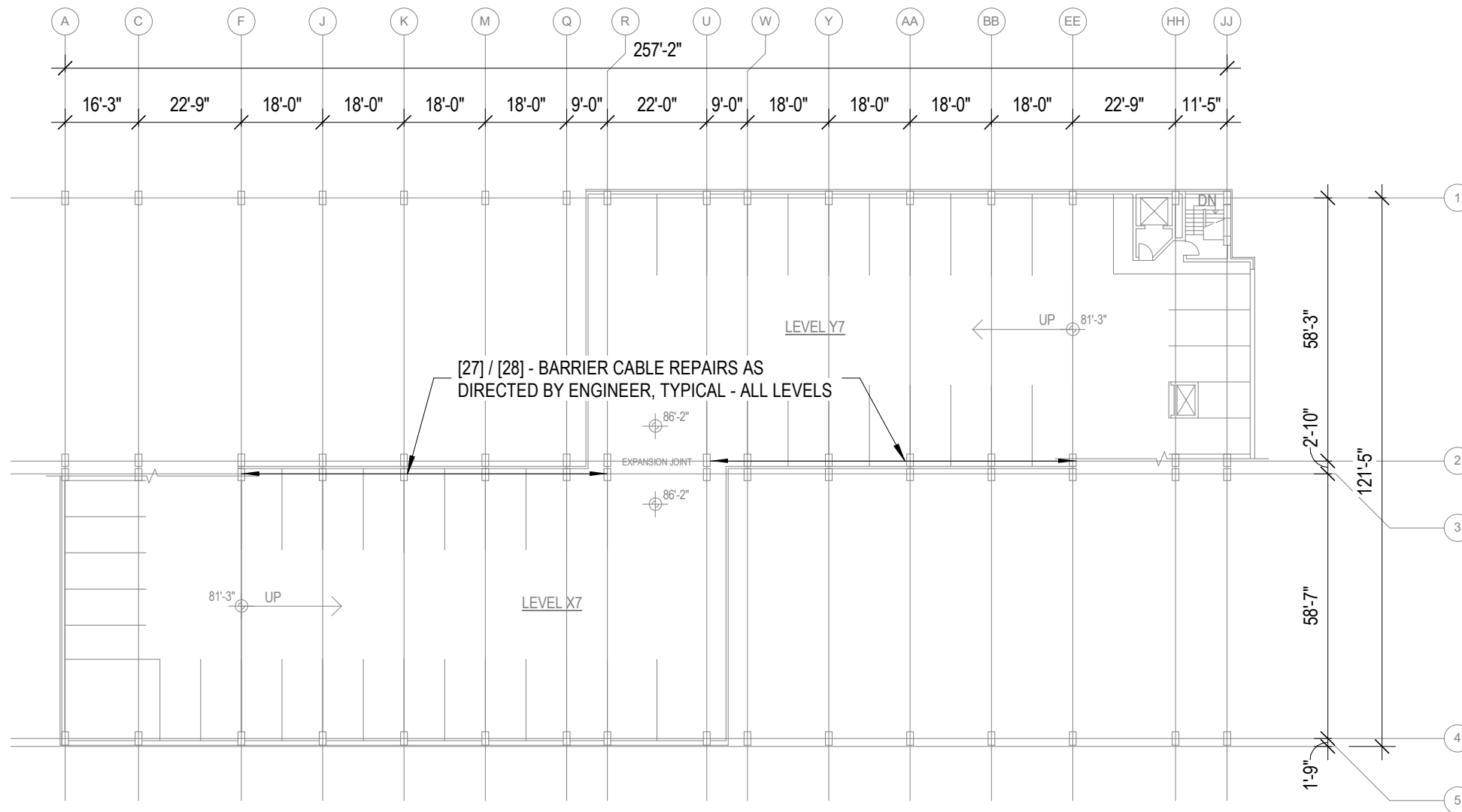
SHEET TITLE:

OVERTURE CENTER LEVEL
Y5/Y6 PLAN

SHEET NUMBER:

OC-S106

3/10/2022 1:12:24 PM



OVERTURE CENTER (OC) - LEVEL X7/Y7

1/32" = 1'-0"



PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:
2022 PARKING GARAGE
MAINTENANCE

ISSUE:
1 03/10/2022 BID
DOCUMENTS

PROJECT INFORMATION:
PROJECT NUMBER: 2021-5006.04

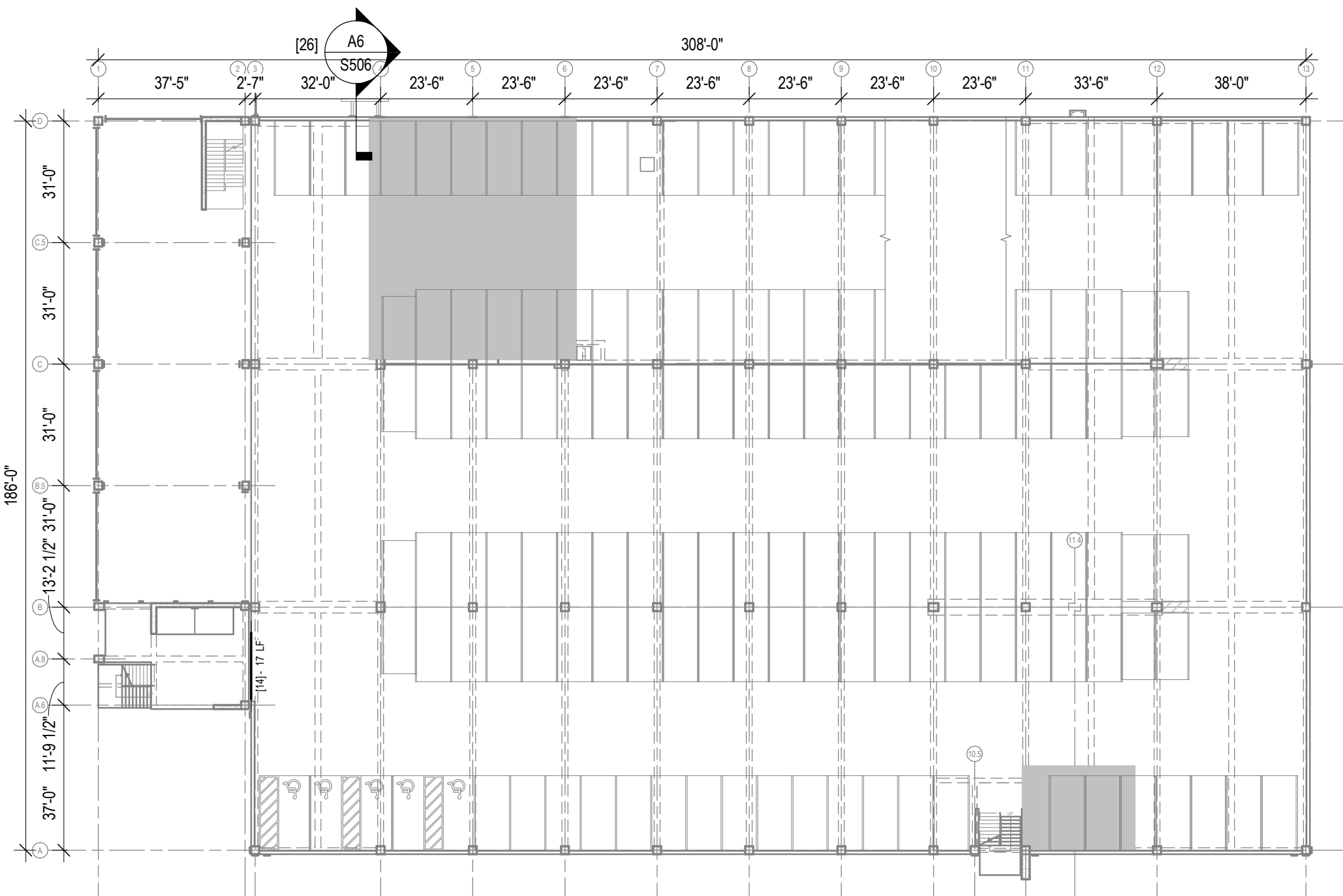
DATE: 03/10/2022
DRAWN BY: AMG
CHECKED BY: AMG
APPROVED BY: DFW
SCALE: AS NOTED

SHEET TITLE:
OVERTURE CENTER LEVEL
X7/Y7 PLAN

SHEET NUMBER:

OC-S107

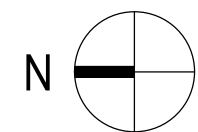
3/10/2022 1:12:20 PM



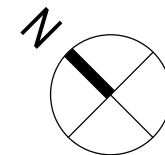
PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

SOUTH LIVINGSTON STREET (SLS) - LEVEL 2

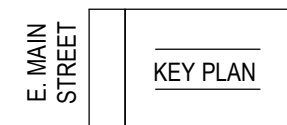
1/32" = 1'-0"



PLAN NORTH



TRUE NORTH



S. LIVINGSTON STREET



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

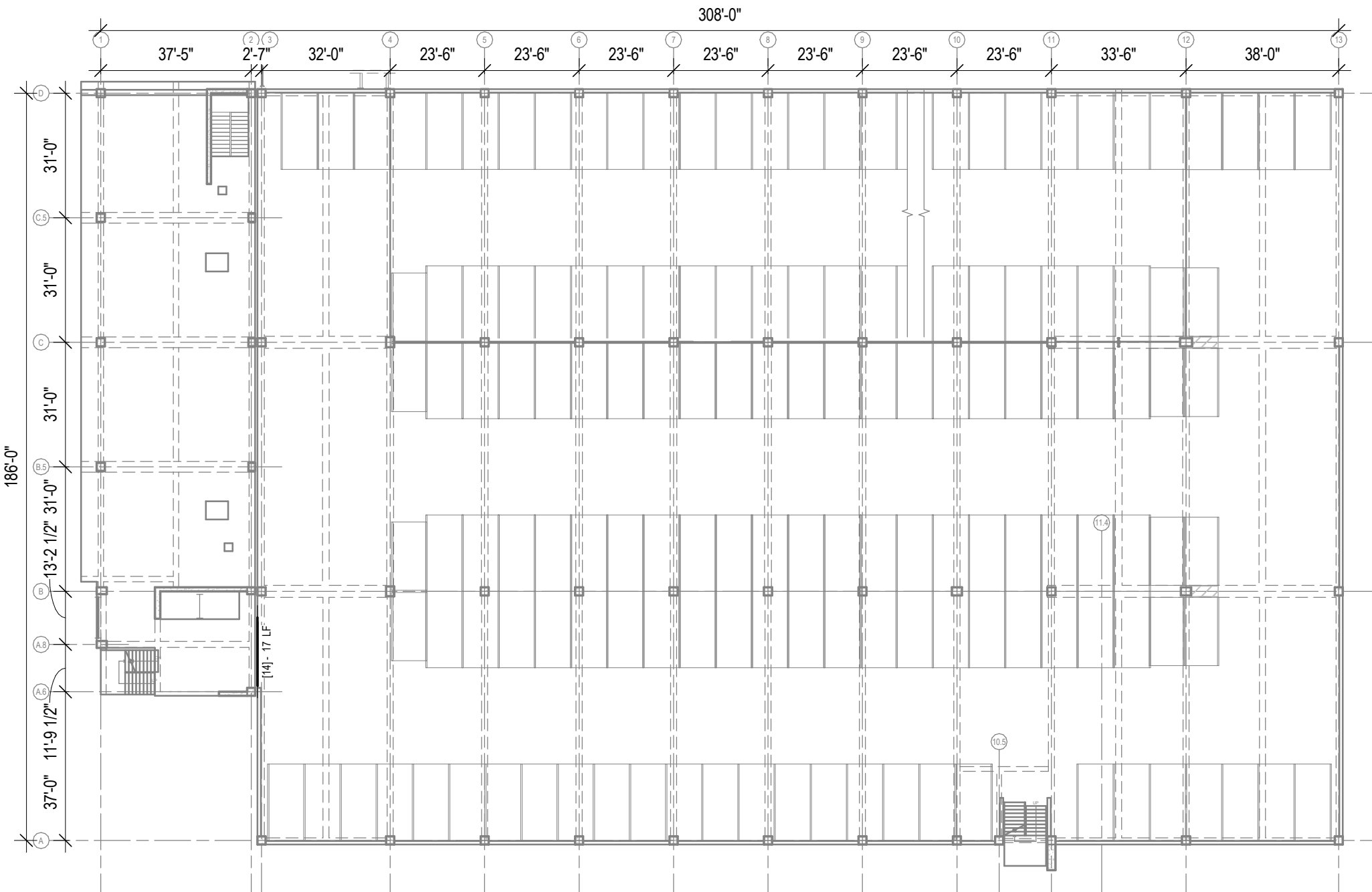
SHEET TITLE:

SOUTH LIVINGSTON STREET
LEVEL 2 PLAN

SHEET NUMBER:

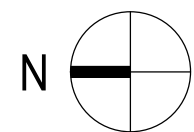
LS-S102

3/10/2022 1:12:21 PM

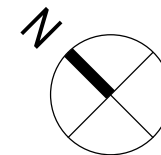


SOUTH LIVINGSTON STREET (SLS) - LEVEL 3

1/32" = 1'-0"



PLAN NORTH



TRUE NORTH



S. LIVINGSTON STREET

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

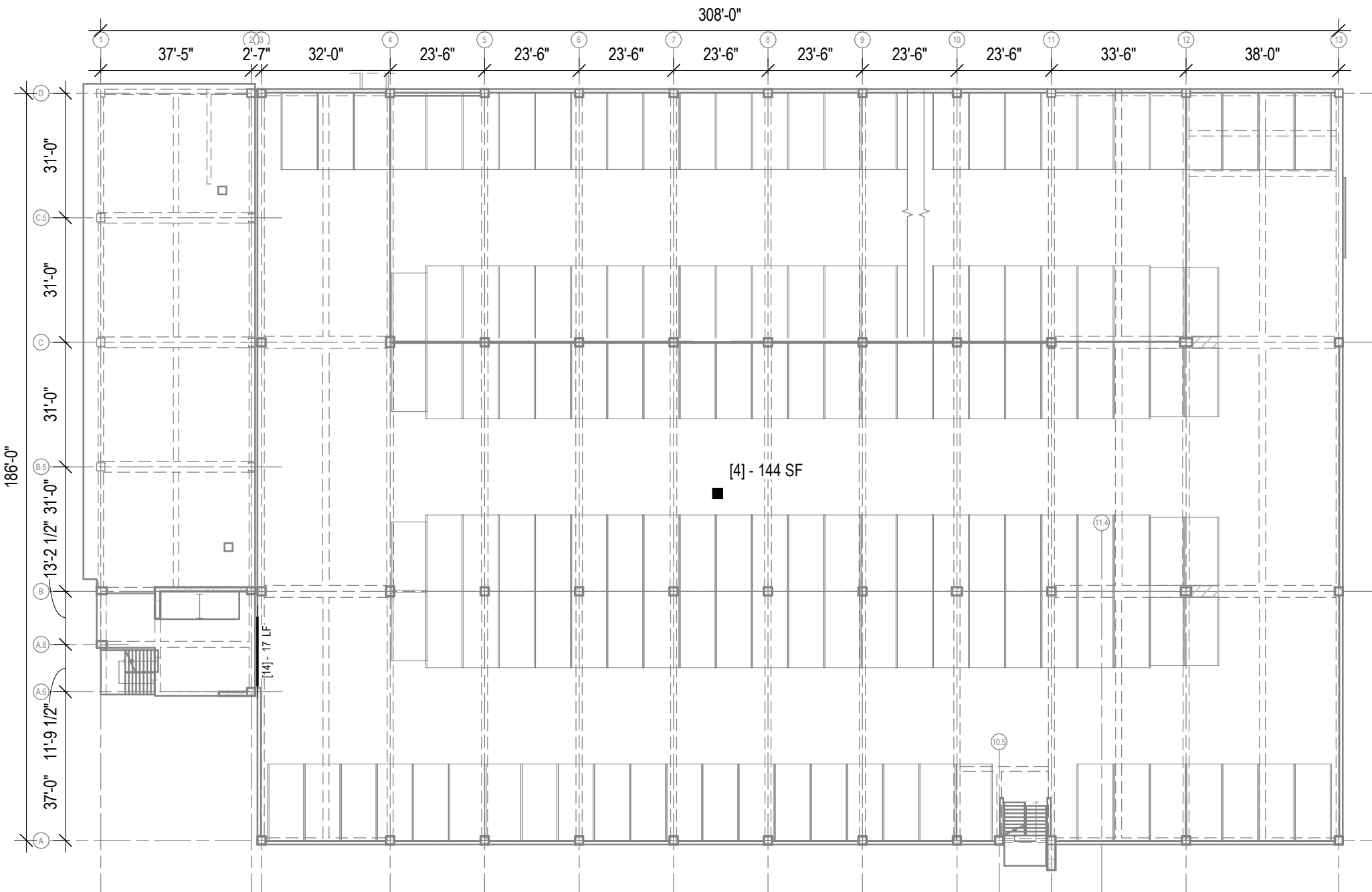
SHEET TITLE:

SOUTH LIVINGSTON STREET
LEVEL 3 PLAN

SHEET NUMBER:

LS-S103

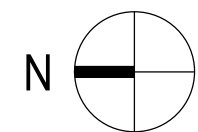
3/10/2022 1:12:21 PM



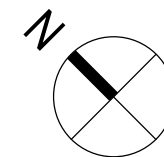
PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

SOUTH LIVINGSTON STREET (SLS) - LEVEL 4

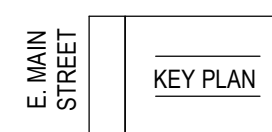
1/32" = 1'-0"



PLAN NORTH



TRUE NORTH



S. LIVINGSTON STREET



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

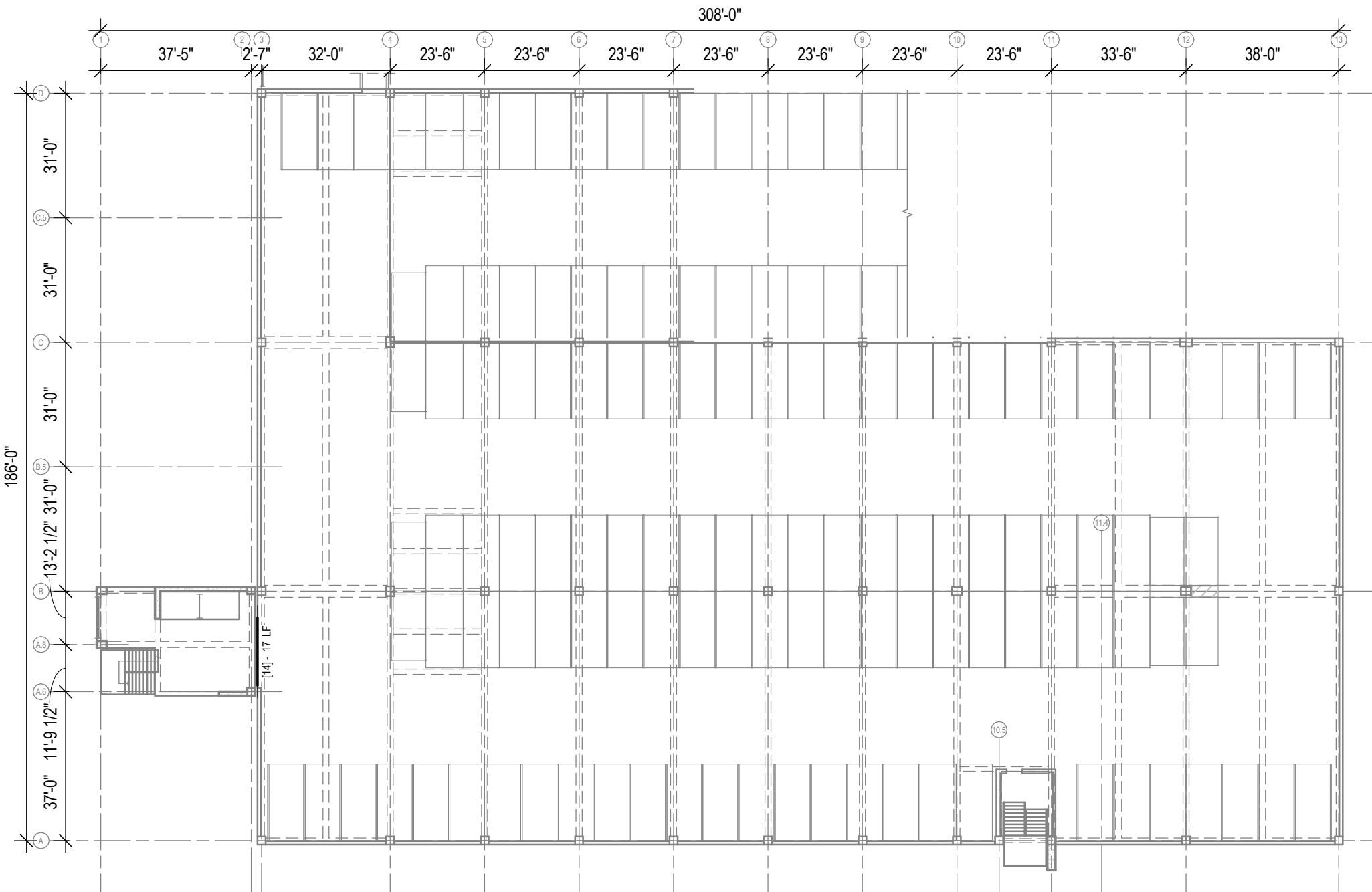
SHEET TITLE:

SOUTH LIVINGSTON STREET
LEVEL 4 PLAN

SHEET NUMBER:

LS-S104

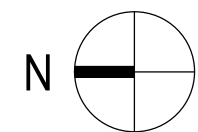
3/10/2022 1:12:21 PM



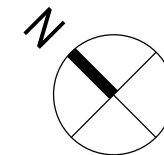
PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

SOUTH LIVINGSTON STREET (SLS) - LEVEL 5

1/32" = 1'-0"



PLAN NORTH



TRUE NORTH



S. LIVINGSTON STREET



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

SOUTH LIVINGSTON STREET
LEVEL 5 PLAN

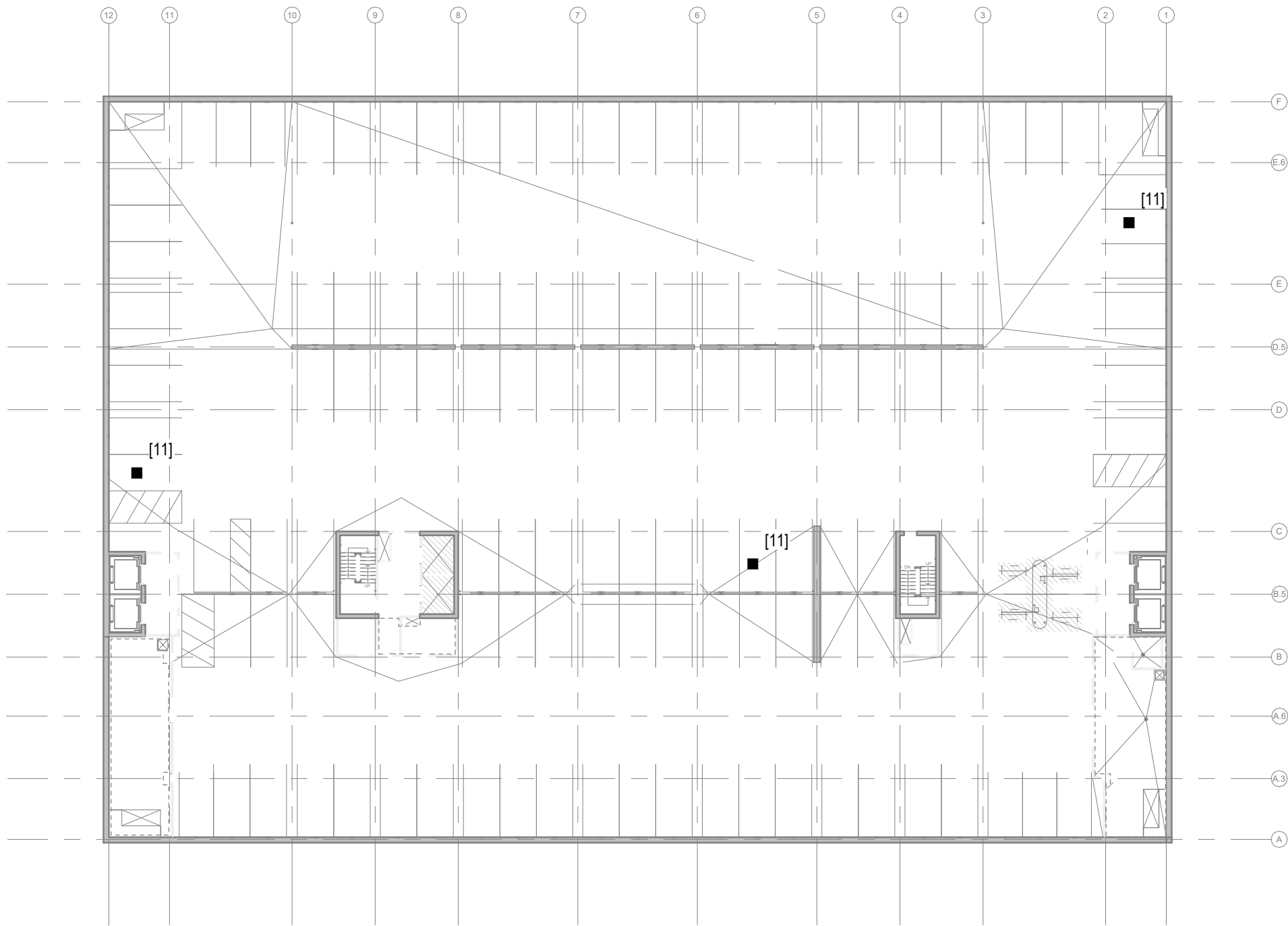
SHEET NUMBER:

LS-S105

3/10/2022 1:12:35 PM

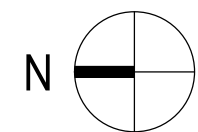
WILSON STREET (WSG) - LOWER LEVEL 2 PLAN

1/32" = 1'-0"

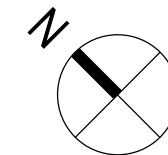


PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

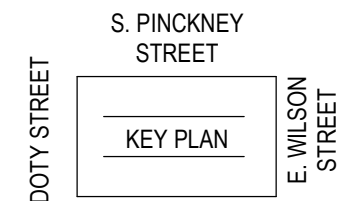
NOTE: FINAL LOCATIONS AND QUANTITIES OF [11] - CONCRETE SLAB CRACK REPAIR TO BE DEFINED PRIOR TO CONSTRUCTION AT WSG.



PLAN NORTH



TRUE NORTH



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

WILSON STREET LOWER LEVEL
2 PLAN

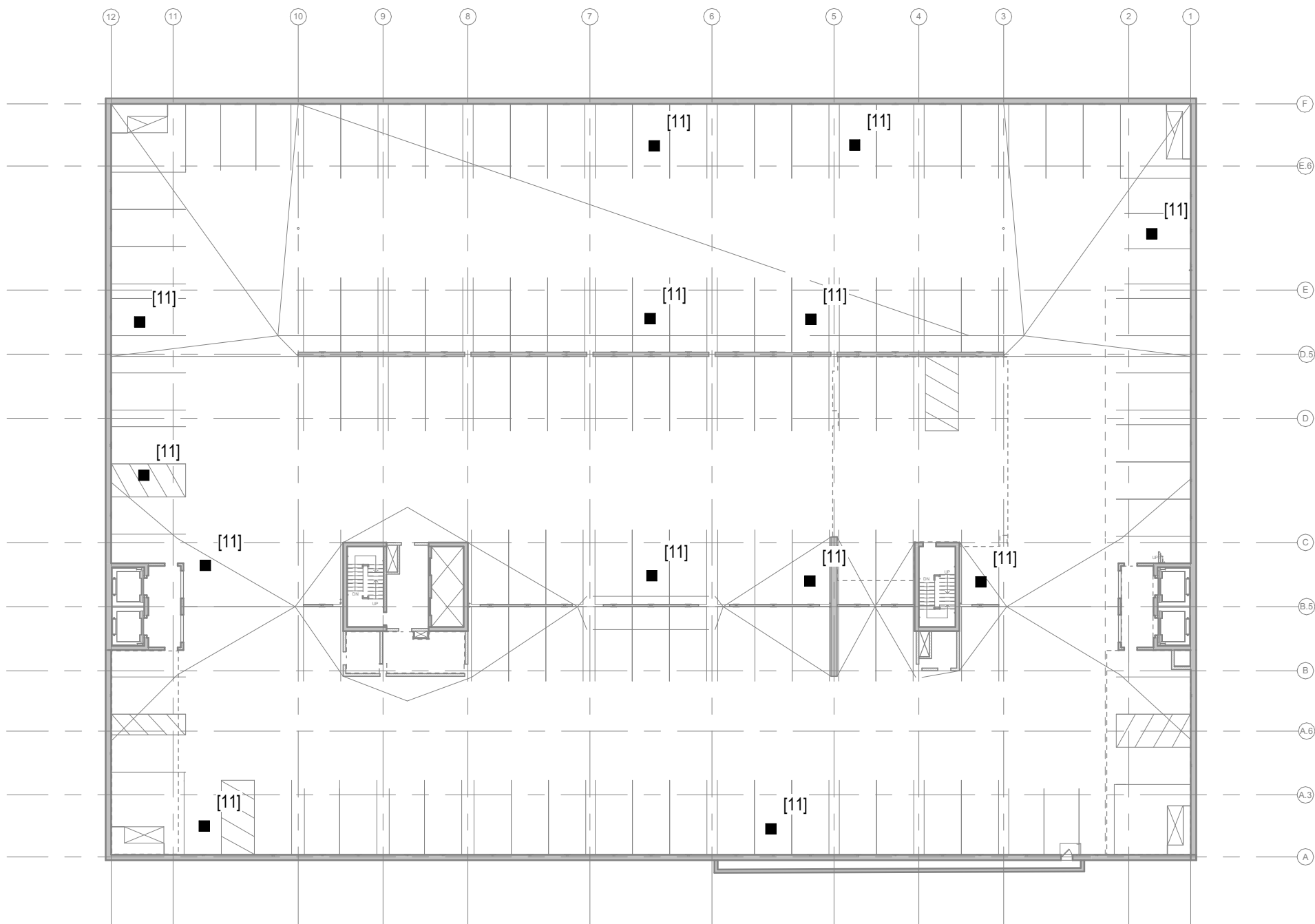
SHEET NUMBER:

WS-S098

3/10/2022 1:12:35 PM

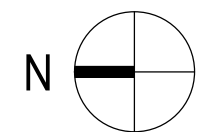
WILSON STREET (WSG) - LOWER LEVEL 1 PLAN

1/32" = 1'-0"

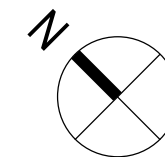


PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

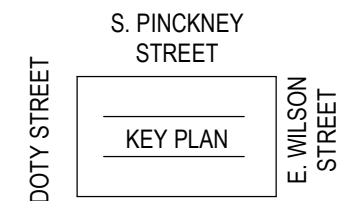
NOTE: FINAL LOCATIONS AND QUANTITIES OF [11] - CONCRETE SLAB CRACK REPAIR TO BE DEFINED PRIOR TO CONSTRUCTION AT WSG.



PLAN NORTH



TRUE NORTH



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

WILSON STREET LOWER LEVEL
1 PLAN

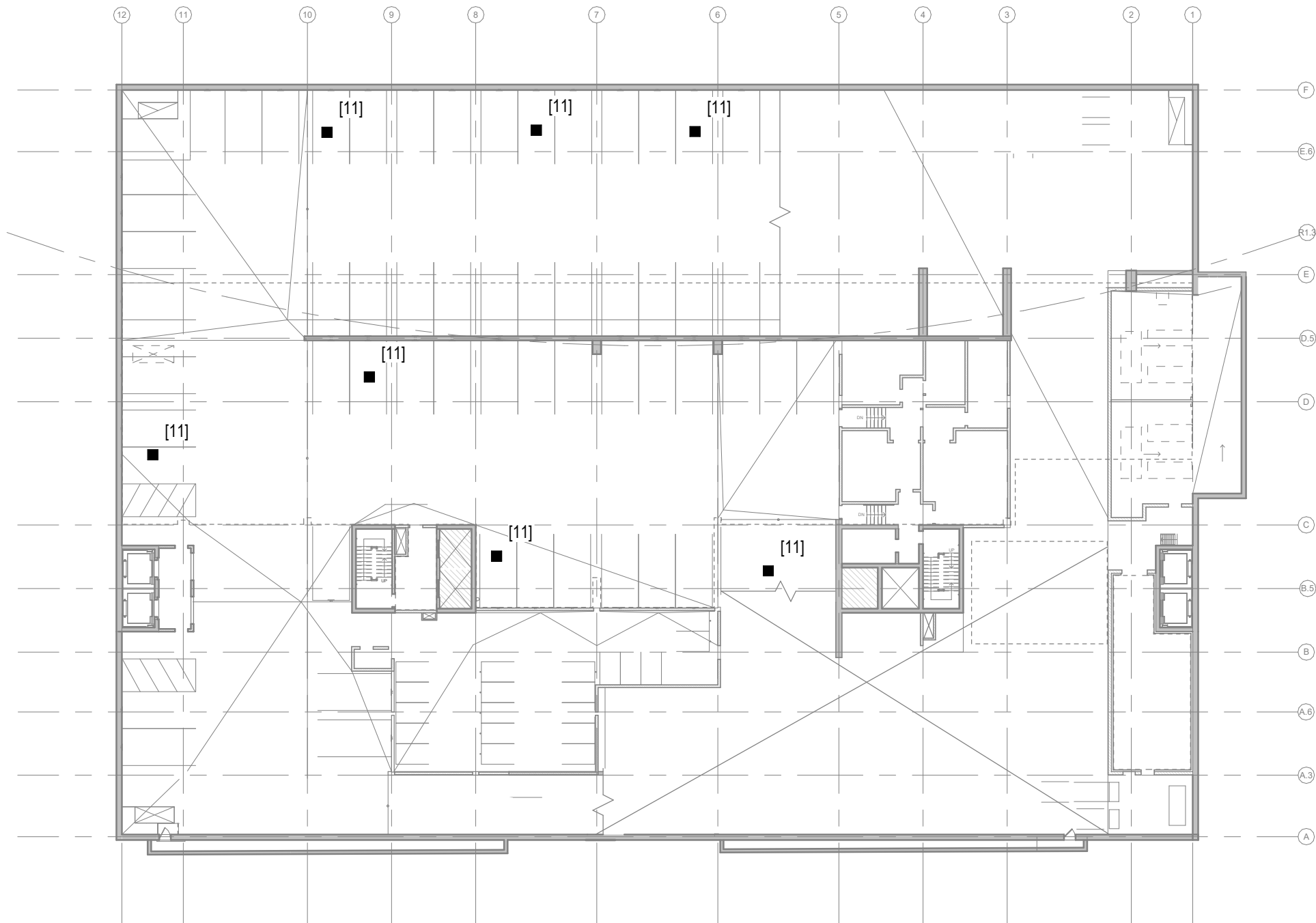
SHEET NUMBER:

WS-S099

3/10/2022 1:12:35 PM

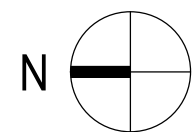
WILSON STREET (WSG) - LOWER LEVEL 0 PLAN

1/32" = 1'-0"

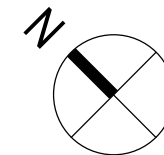


PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

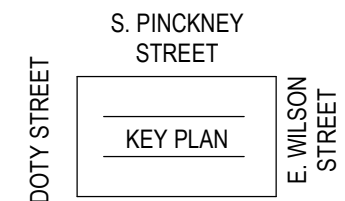
NOTE: FINAL LOCATIONS AND QUANTITIES OF [11] - CONCRETE SLAB CRACK REPAIR TO BE DEFINED PRIOR TO CONSTRUCTION AT WSG.



PLAN NORTH



TRUE NORTH



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:
Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

WILSON STREET LOWER LEVEL
0 PLAN

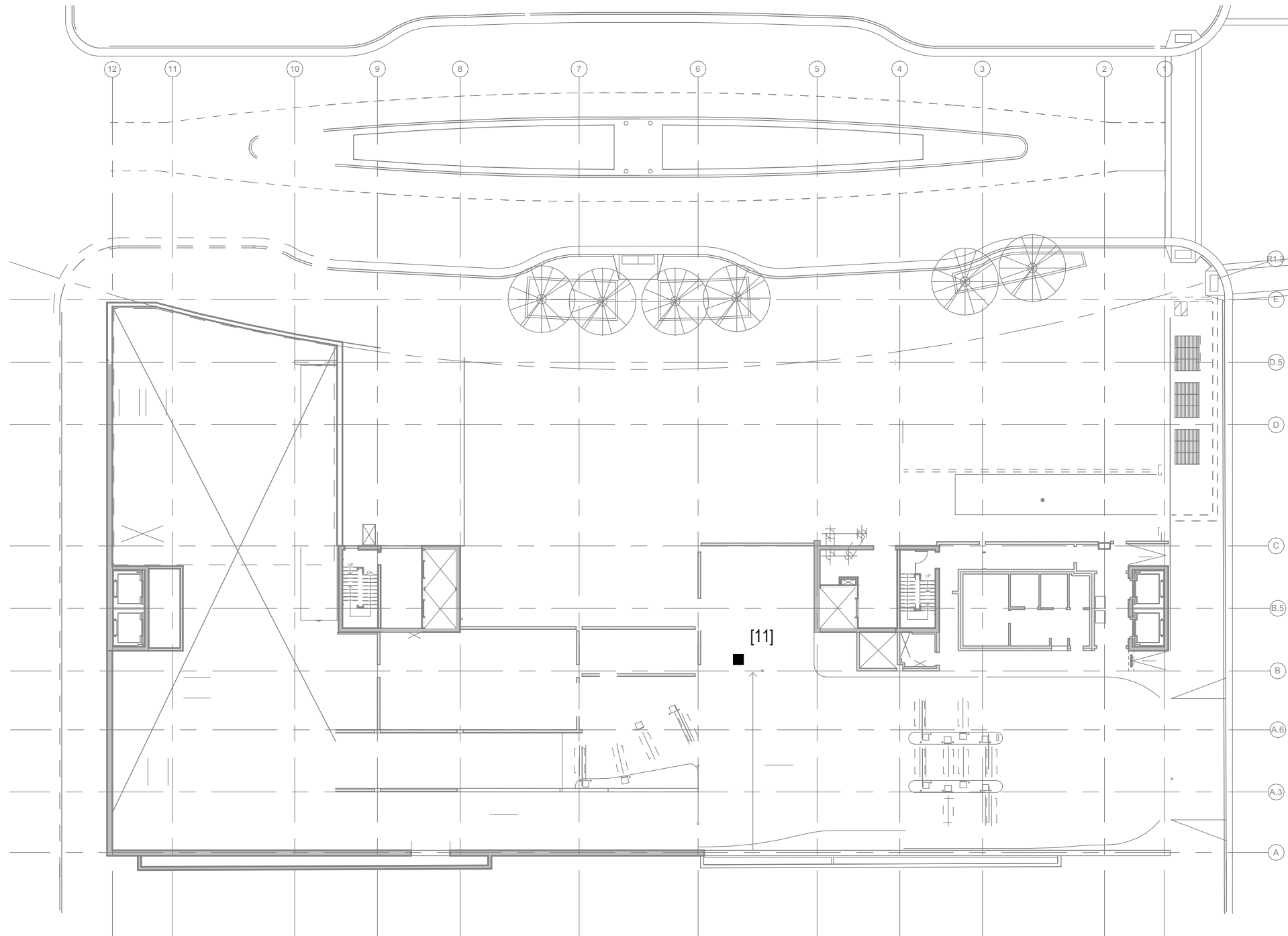
SHEET NUMBER:

WS-S100

3/10/2022 1:12:36 PM

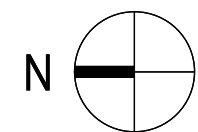
WILSON STREET (WSG) - LEVEL 1 PLAN

1/32" = 1'-0"

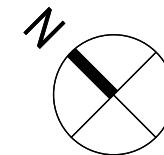


PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	CONCRETE VERTICAL SURFACE REPAIR	A5 / S502 A6 / S502 B5 / S501
4	TOPSIDE SURFACE SPALL REPAIR	A6 / S501
5	OVERHEAD SURFACE SPALL REPAIR	B5 / S501 B6 / S501
6	FULL-DEPTH SLAB SPALL REPAIR	B6 / S506
7	STAIR SPALL REPAIR	A6 / S503
8	OVERHEAD CONCRETE JOIST SPALL REPAIR	B6 / S503
9	RE-ANCHOR STAIR TREAD	N/A
10	EPOXY INJECTION OF TOPPING SLABS	N/A
11	CONCRETE SLAB CRACK REPAIR	B5 / S503
12	CMU CRACK/MORTAR JOINT REPAIR	N/A
13	CMU REPLACEMENT	N/A
14	REPLACE EXISTING COMPRESSION SEAL JOINT	N/A
15	REMOVE AND REPLACE EXISTING SEALANT	N/A
16	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
17	PRECAST SHEAR CONNECTOR REPAIR	A5 / S503
18	BRICK MASONRY REPAIR	N/A
19	BRICK MASONRY SEALING (CSN)	N/A
20	REPLACE BRICK LEDGE CONNECTION (SSL)	B5 / S504
21	REPLACE PIPE-HANGER CONNECTION (SSL)	A5 / S504
22	REPLACE STAIR LANDING CONNECTION (SSL)	B6 / S504
23	COLUMN STUB ATTACHMENT (CSN)	A5 / S506
24	POUR STRIP REPLACEMENT (CSN)	A5 / S505
25	BARRIER REPAIRS (CSN)	A6 / S504
26	SNOW CHUTE DEFLECTOR REPAIR (SLS)	A6 / S506
27	BARRIER CABLE CLEANING AND PAINTING (OC)	B5 / S505
28	BARRIER CABLE SHEATHING REPAIR (OC)	B5 / S505

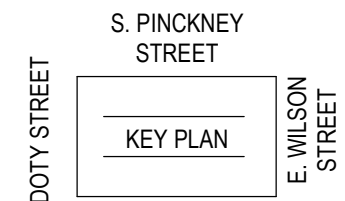
NOTE: FINAL LOCATIONS AND QUANTITIES OF [11] - CONCRETE SLAB CRACK REPAIR TO BE DEFINED PRIOR TO CONSTRUCTION AT WSG.



PLAN NORTH



TRUE NORTH



1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

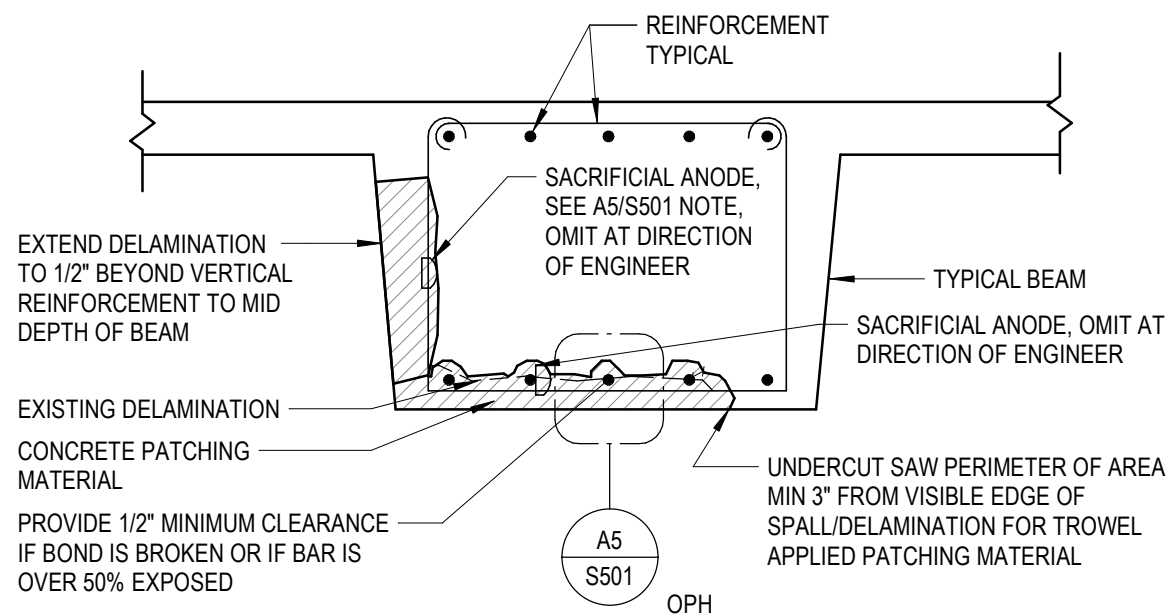
SHEET TITLE:

WILSON STREET LEVEL 1 PLAN

SHEET NUMBER:

WS-S101

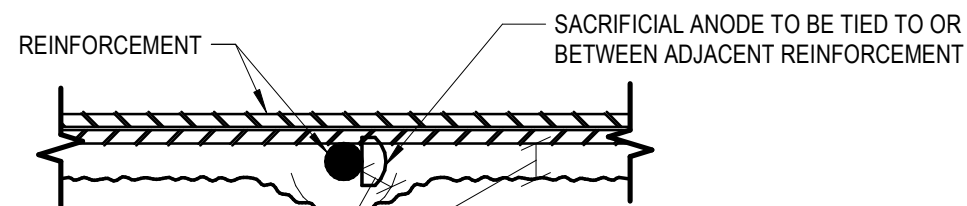
NOTE: FOR REMOVAL OF MORE THAN 1" OF CONCRETE, SCAN FOR AND AVOID TENDONS OF POST-TENSIONED SLABS AT SSCO (L4-L6), OC (ALL STRUCTURAL LEVELS), SSF (L1-L2), AND CSN (ALL STRUCTURAL LEVELS) PRIOR TO REMOVAL



B5

TYPICAL BEAM SPALL REPAIR

3/4" = 1'-0"



PROVIDE CLEARANCE IF BOND TO CONCRETE IS BROKEN OR IF BAR IS OVER 50% EXPOSED. CLEARANCE VARIES. SEE INDIVIDUAL SPALL REPAIR DETAIL.

NOTES:

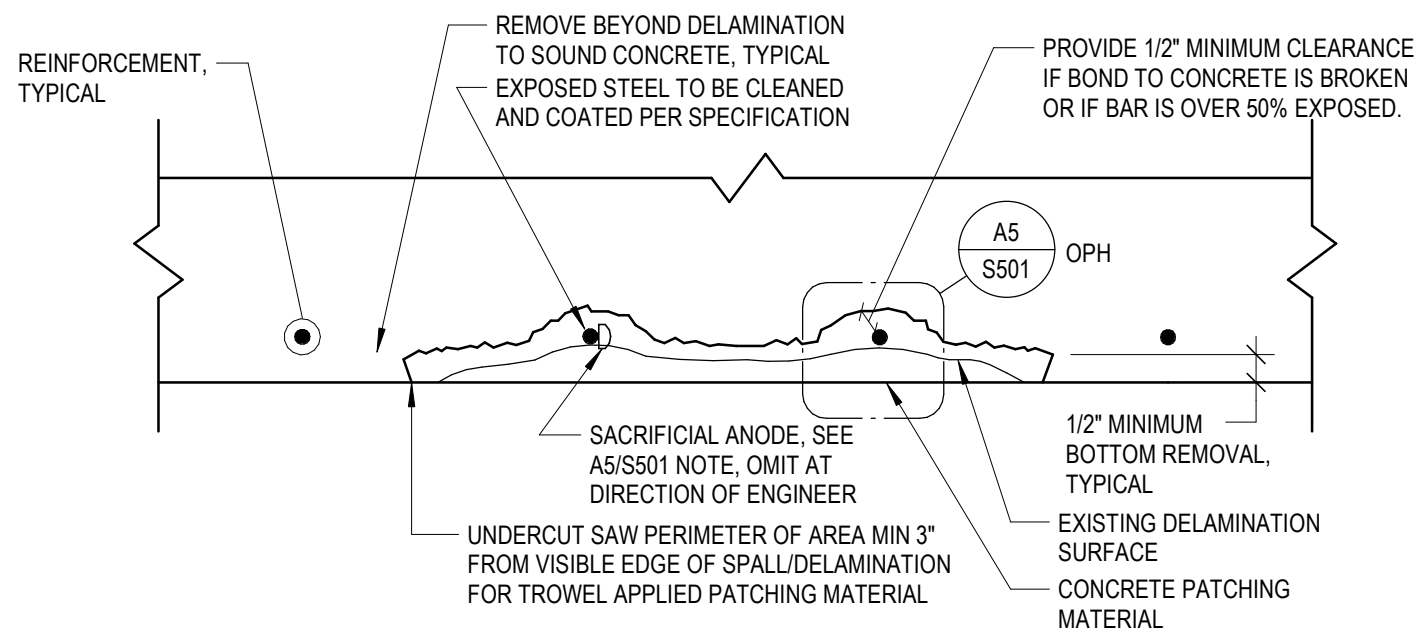
1. GALVANIC ANODES TO BE TIED TO EXISTING STEEL REINFORCING AFTER REMOVAL OF CORROSION BUT PRIOR TO PROTECTIVE COATING APPLICATION. FOR REPAIRS OF 4 SF OR GREATER: PLACE ON GRID OF 2'-0"x2'-0" WITH A MINIMUM OF (4) SPACED EQUALLY ABOUT REPAIR PERIMETER. REPAIRS OF 1 SF OR LESS: PLACE MINIMUM OF (1) WITHIN THE REPAIR AREA.

A5

TYPICAL REBAR/STRAND CLEARANCE

3" = 1'-0"

NOTE: FOR REMOVAL OF MORE THAN 1" OF CONCRETE, SCAN FOR AND AVOID TENDONS OF POST-TENSIONED SLABS AT SSCO (L4-L6), OC (ALL STRUCTURAL LEVELS), SSF (L1-L2), AND CSN (ALL STRUCTURAL LEVELS) PRIOR TO REMOVAL

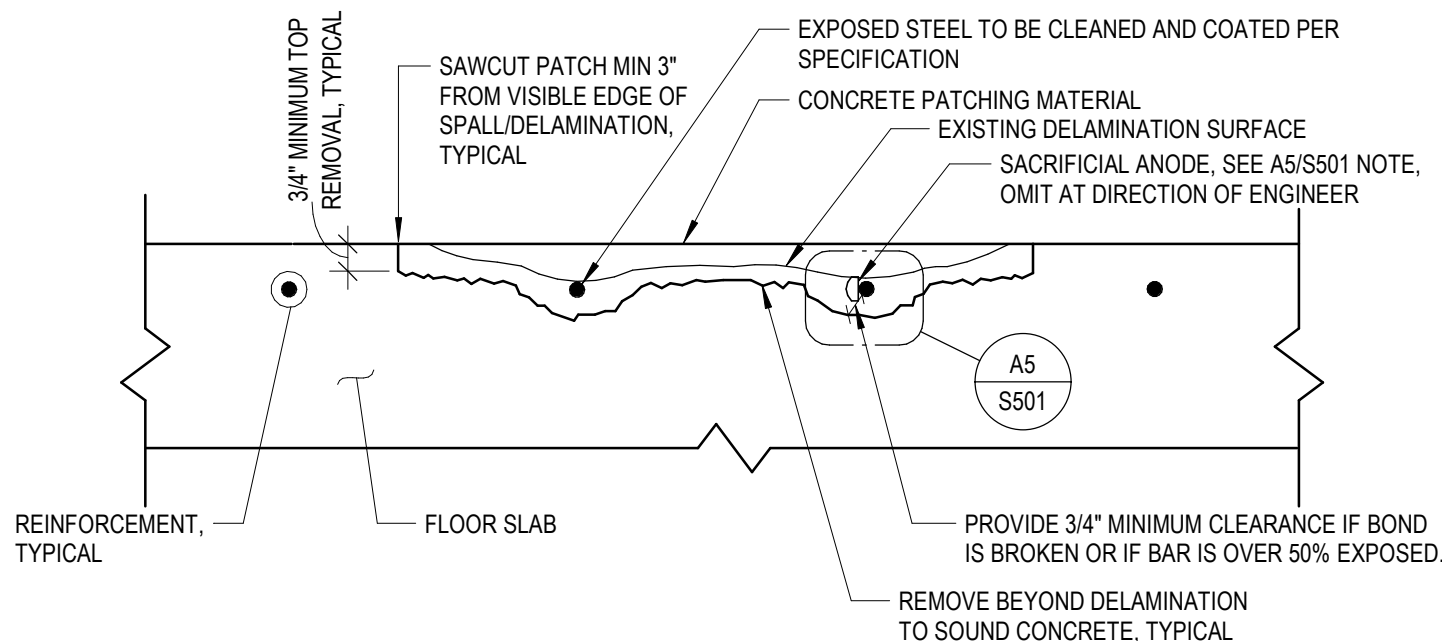


B6

TYPICAL OVERHEAD SPALL REPAIR

1 1/2" = 1'-0"

NOTE: FOR REMOVAL OF MORE THAN 1" OF CONCRETE, SCAN FOR AND AVOID TENDONS OF POST-TENSIONED SLABS AT SSCO (L4-L6), OC (ALL STRUCTURAL LEVELS), SSF (L1-L2), AND CSN (ALL STRUCTURAL LEVELS) PRIOR TO REMOVAL



A6

TYPICAL TOPSIDE SPALL REPAIR

1 1/2" = 1'-0"

GRAEF

1010 East Washington Avenue
Suite 202
Madison, WI 53703-3130
608 / 242 1550

www.graef-usa.com



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

DETAILS

SHEET NUMBER:

S501



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

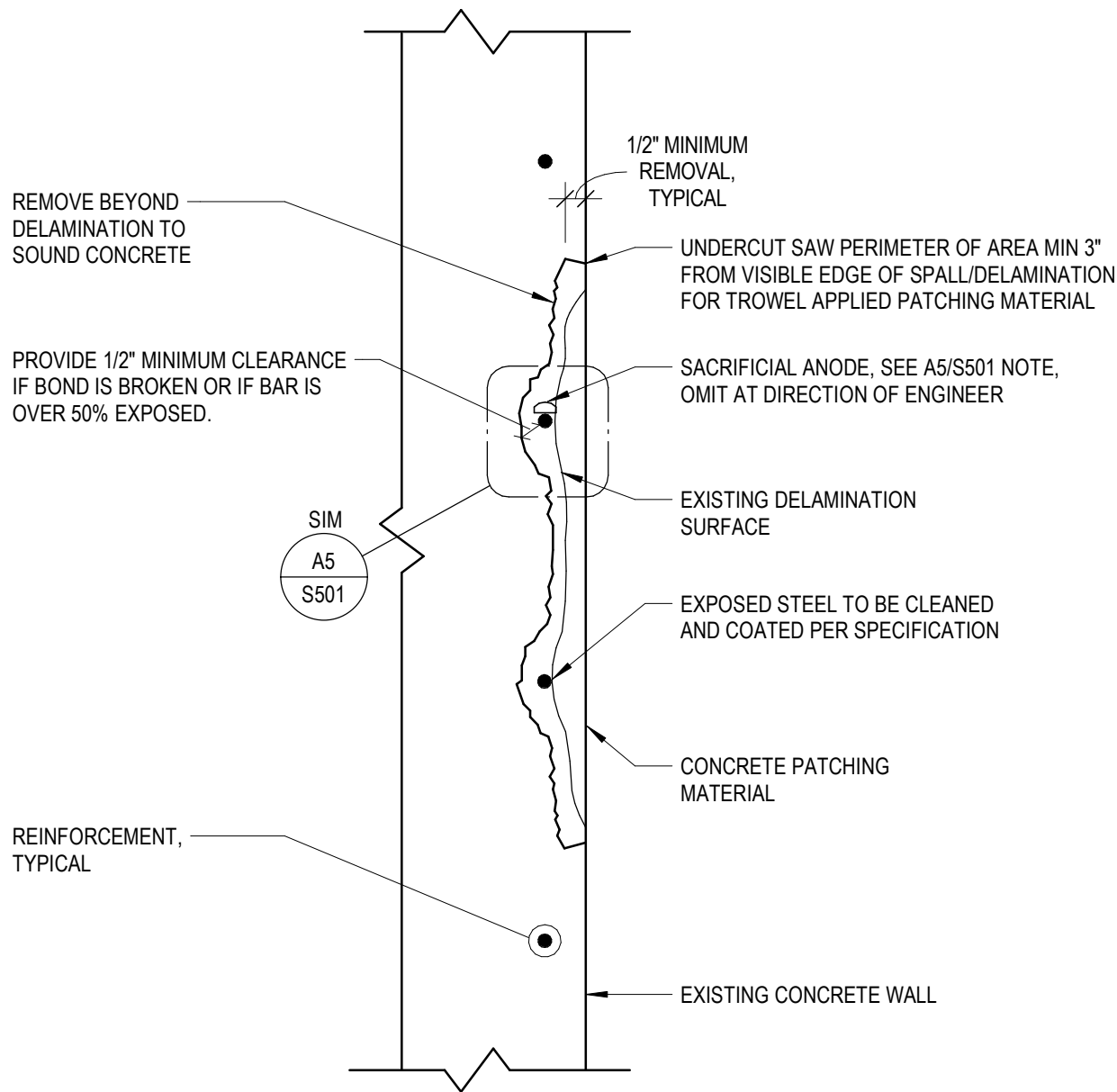
SCALE: AS NOTED

SHEET TITLE:

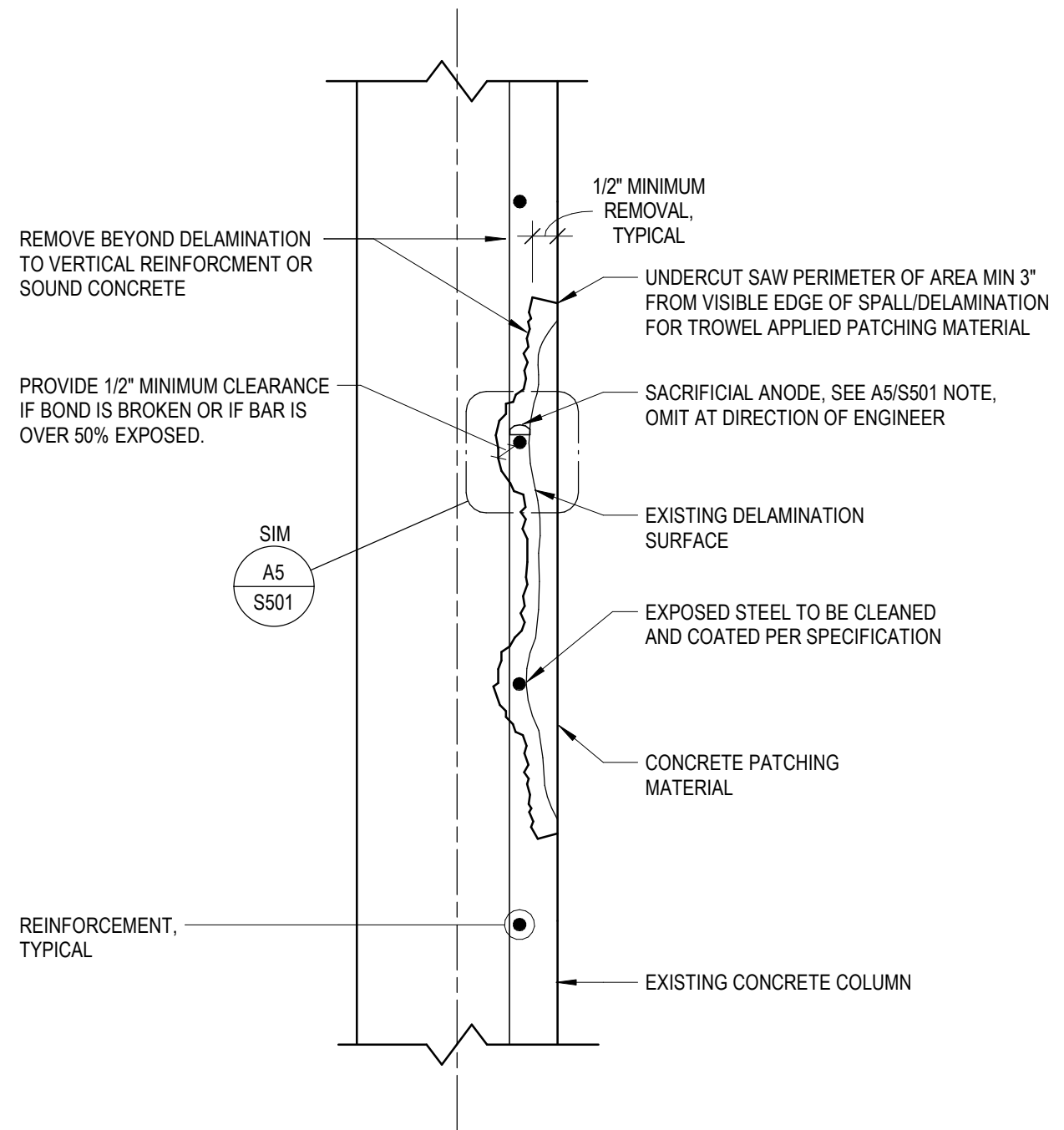
DETAILS

SHEET NUMBER:

S502



A5 TYPICAL CONCRETE WALL SPALL REPAIR
1 1/2" = 1'-0"



A6 TYPICAL COLUMN SPALL REPAIR
1 1/2" = 1'-0"



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

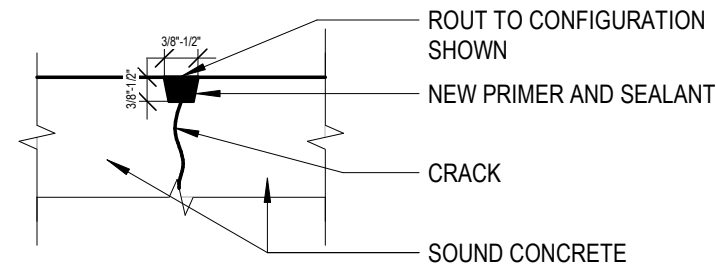
SCALE: AS NOTED

SHEET TITLE:

DETAILS

SHEET NUMBER:

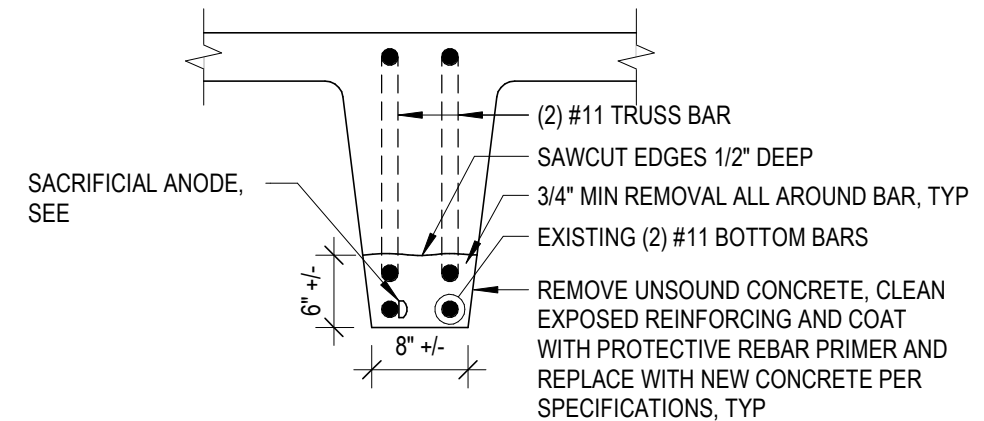
S503



NOTE: CRACK WIDTH VARIES, DIMENSIONS SHOWN FOR PROPORTIONALITY REFERENCE

B5 ROUTE AND SEAL DETAIL

NTS

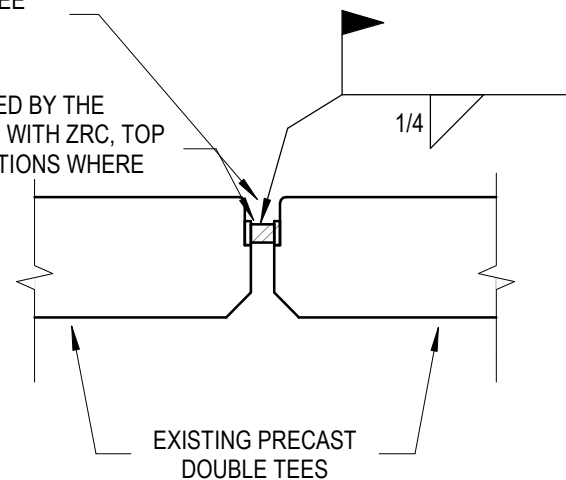


B6 BOTTOM OF JOIST REPAIR

3/4" = 1'-0"

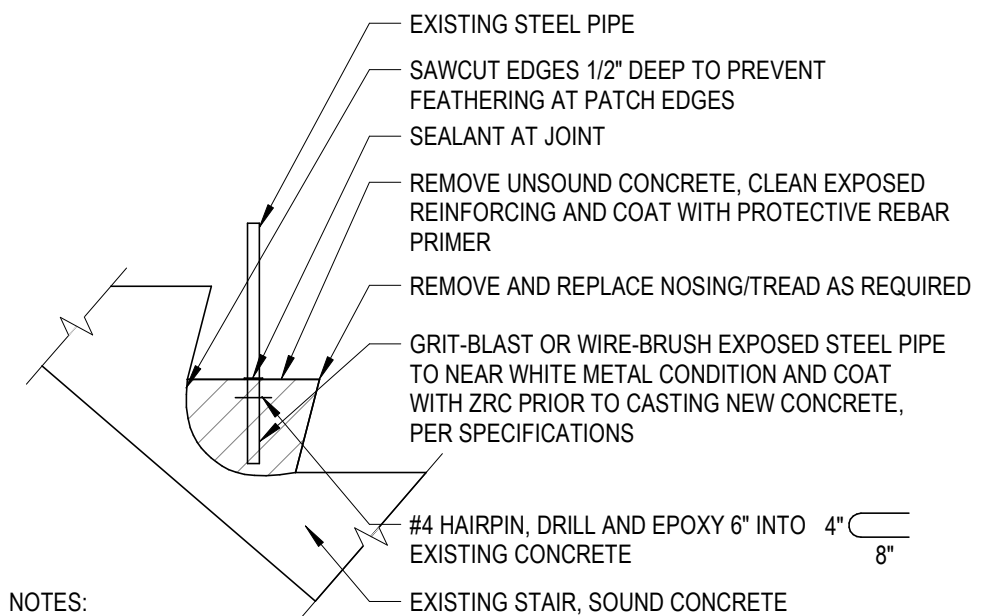
REMOVE AND REPLACE SEALANT ABOVE DOUBLE TEE CONNECTION FOR FULL LENGTH OF JOINT

RE-WELD EXISTING PLATE OR REPLACE AS DIRECTED BY THE ENGINEER. CLEAN AND PAINT ENTIRE CONNECTION WITH ZRC, TOP AND BOTTOM. ENGINEER TO BE NOTIFIED OF LOCATIONS WHERE UNDERSIDE OF CONNECTOR IS INACCESSIBLE



A5 PRECAST SHEAR CONNECTOR REPAIR

1 1/2" = 1'-0"

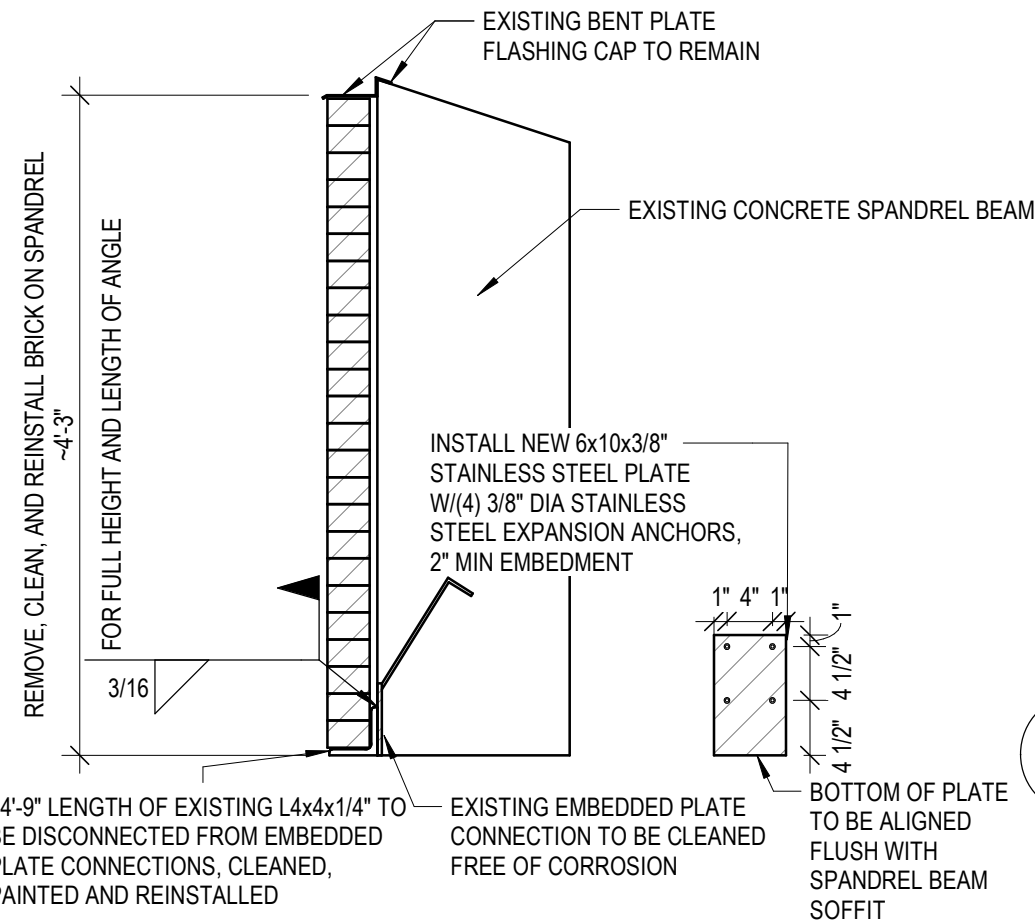


NOTES:

1. IF REINFORCEMENT IN THE STAIR IS EPOSED, ADD SACRIFICIAL ANODES AS DIRECTED BY THE ENGINEER AFTER STEEL IS CLEANED BUT PRIOR TO ZINC COATING.

A6 STAIR SPALL REPAIR

NTS



B6

SPALL AT STAIR LANDING CONNECTION (SSL)

1" = 1'-0"

SPALL ON BEAM FACE REPAIRED PER TYPICAL DETAIL, SEE A5/S501. PAID BY PAY ITEM 3

STAIR LANDING AT L1 TO BE SHORED TO GRADE BELOW FOR FULL DESIGN LOADING FOR DURATION OF REPAIR

EXISTING SS ANGLE/BENT PLATE CAST INTEGRAL TO STAIR LANDING SLAB TO REMAIN

EMBEDMENT INTO SOUND CONCRETE

EXISTING EXPANSION ANCHORS TO BE COMPLETELY REMOVED WHERE DISTURBED BY REMOVAL OF SPALLED CONCRETE WITHIN 6 INCHES OF ANCHOR

REPLACE REMOVED 3/4" DIA EXPANSION ANCHORS ONE-FOR-ONE WITH NEW DRILLED AND EPOXIED 3/4" DIA SS THREADED RODS

EXISTING REINFORCING TO REMAIN

EXISTING BEAM

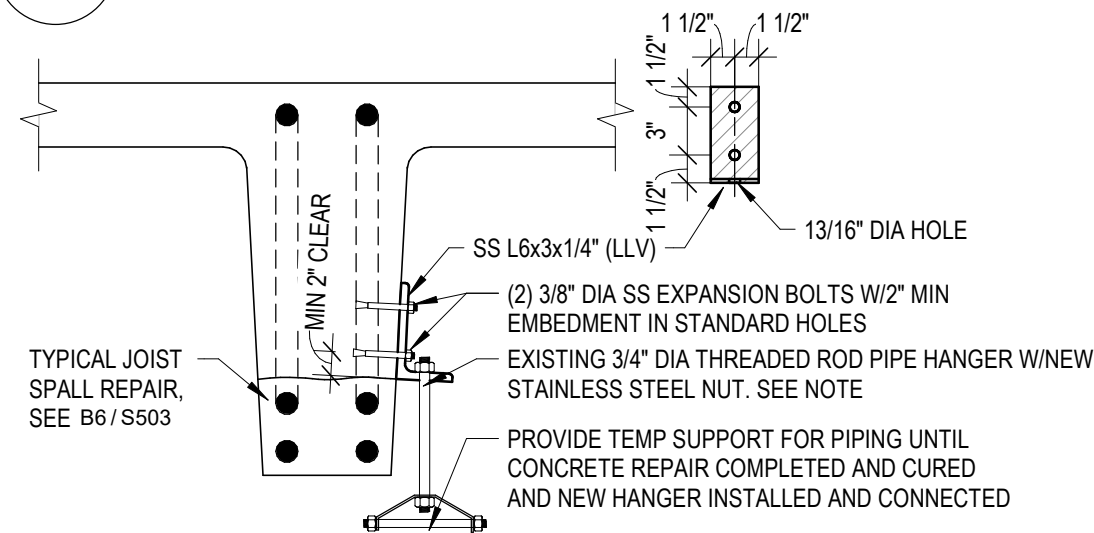
MIN 4"

NOTE: IF SECTION LOSS TO EXISTING EMBEDDED PLATE IS SIGNIFICANT, INSTALL NEW PLATE CONNECTION AS DETAILED DIRECTLY ADJACENT AS DIRECTED BY ENGINEER.

B5

REPLACE BRICK LEDGE CONNECTION

3/4" = 1'-0"



A5

PIPE HANGER (SSL)

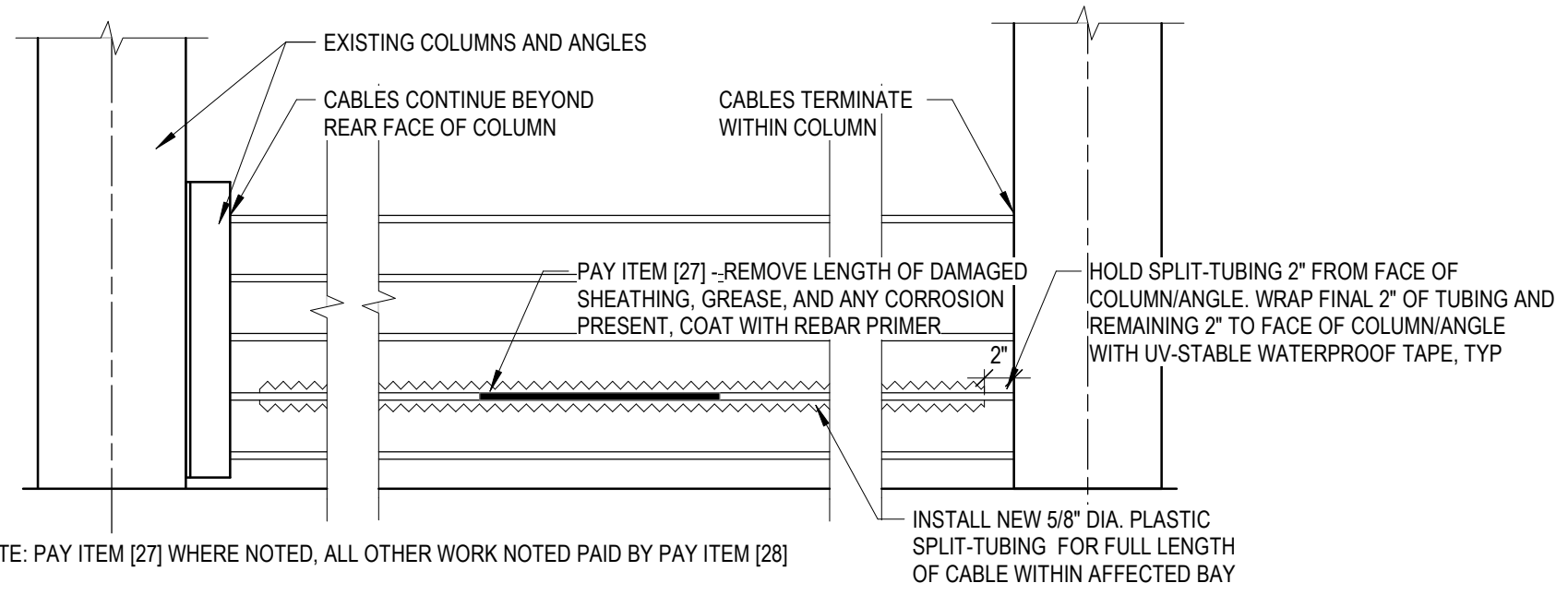
1" = 1'-0"

NOTE: IF EXISTING PITCH OF PLUMBING CANNOT BE MAINTAINED THROUGH USE OF EXISTING THREADED ROD, SUPPLY NEW STAINLESS STEEL ROD OF SUFFICIENT LENGTH

A6

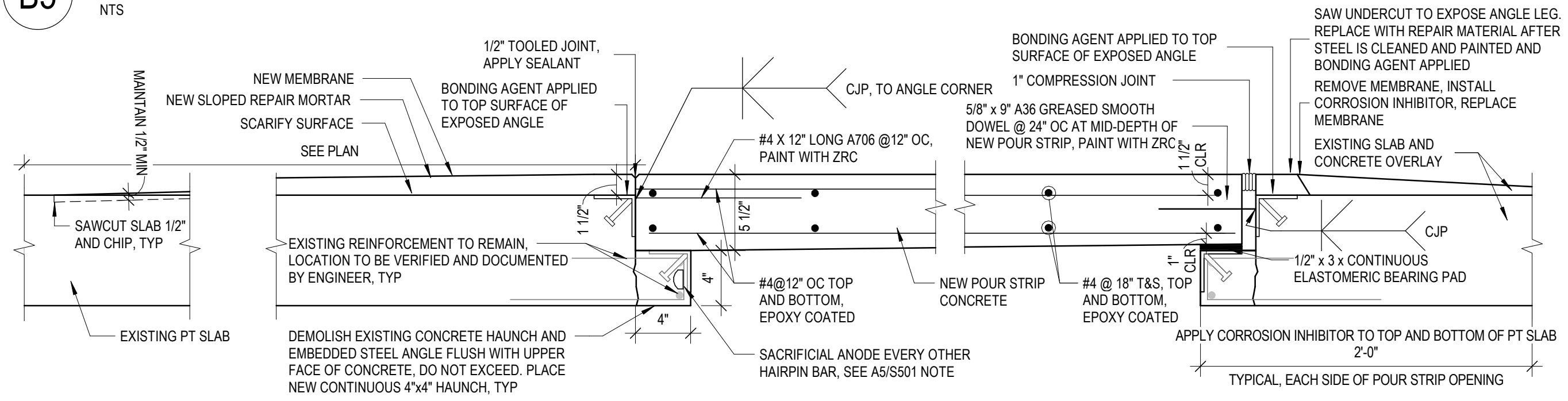
BARRIER REPAIRS (CSN)

1" = 1'-0"



B5 BARRIER CABLE REPAIRS

NTS



- REPAIR SEQUENCE: ALL ITEMS TO BE PAID AS INCLUDED IN LUMP SUM FOR POUR STRIP REPLACEMENT
1. DEMO EXISTING POUR STRIP AND HAUNCHES
 2. VERIFY, CLEAN, AND PAINT EXPOSED REINFORCING STEEL
 3. INSTALL SUPPLEMENTAL REINFORCING AS DIRECTED BY ENGINEER
 4. FORM AND CAST NEW HAUNCHES
 5. CLEAN EXPOSED EMBEDDED STEEL TO WHITE METAL
 6. WELD STEEL BARS PER DETAIL
 7. COAT ALL EXPOSED STEEL WITH ZRC COLD-GALVANIZING PAINT
 8. FORM AND CAST NEW POUR STRIP
 9. APPLY CORROSION INHIBITOR TO TOP AND BOTTOM OF EXISTING CONCRETE FOR 2'-0" FROM EDGE OF POST-TENSIONED SLABS
 10. APPLY BONDING AGENT TO TOPSIDE ANGLE LEGS
 11. PLACE NEW SLOPED REPAIR MORTAR
 12. SEAL
 13. INSTALL NEW COMPRESSION JOINT AND SEAL JOINT IN CURBS
 14. ROUT AND SEAL ALL SHRINKAGE CRACKS IN NEW CONCRETE
 15. APPLY MEMBRANE TO EXPOSED CONCRETE

A5 POUR STRIP REPLACEMENT (CSN)

1 1/2" = 1'-0"

3/10/2022 1:12:27 PM



CLIENT:

Madison Municipal Building
215 Martin Luther King Blvd
Suite 109
Madison, Wisconsin 53703

PROJECT TITLE:

2022 PARKING GARAGE
MAINTENANCE

ISSUE:

1 03/10/2022 BID
DOCUMENTS

PROJECT
INFORMATION:

PROJECT NUMBER: 2021-5006.04

DATE: 03/10/2022

DRAWN BY: AMG

CHECKED BY: AMG

APPROVED BY: DFW

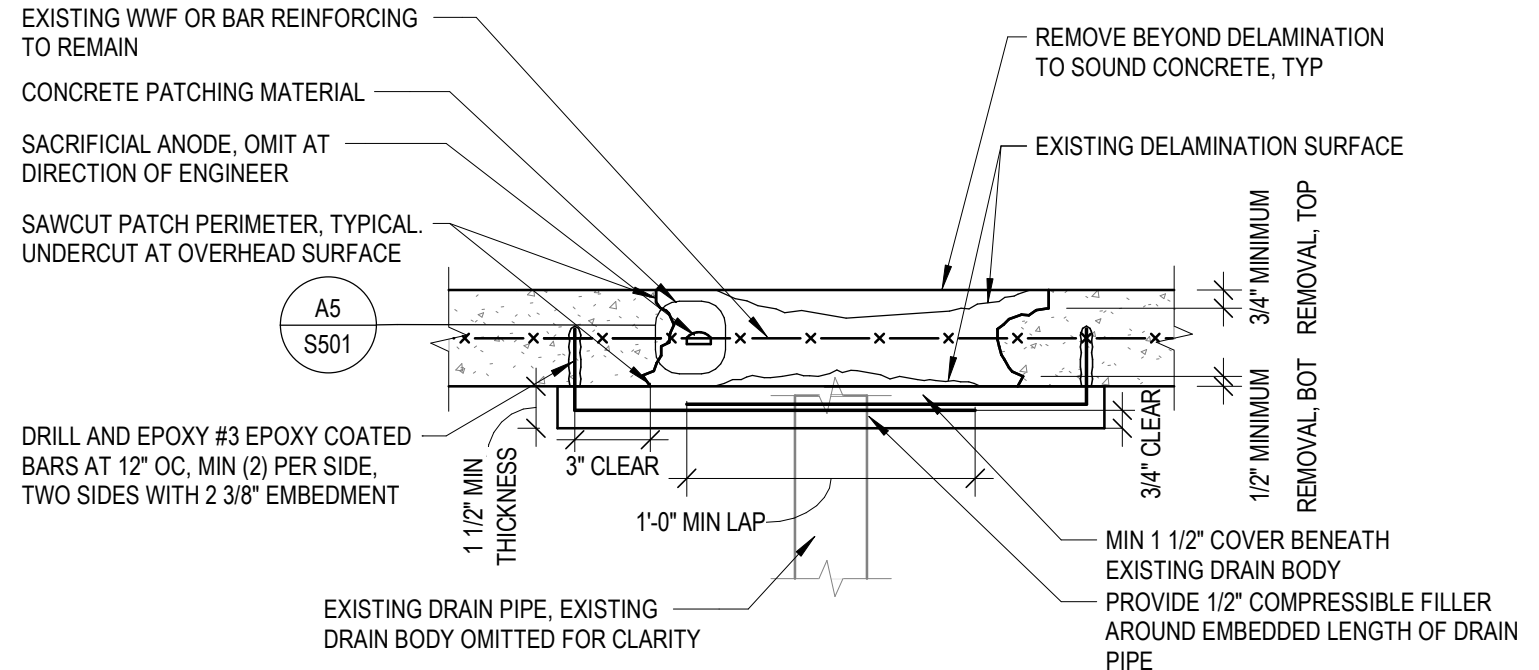
SCALE: AS NOTED

SHEET TITLE:

DETAILS

SHEET NUMBER:

S506

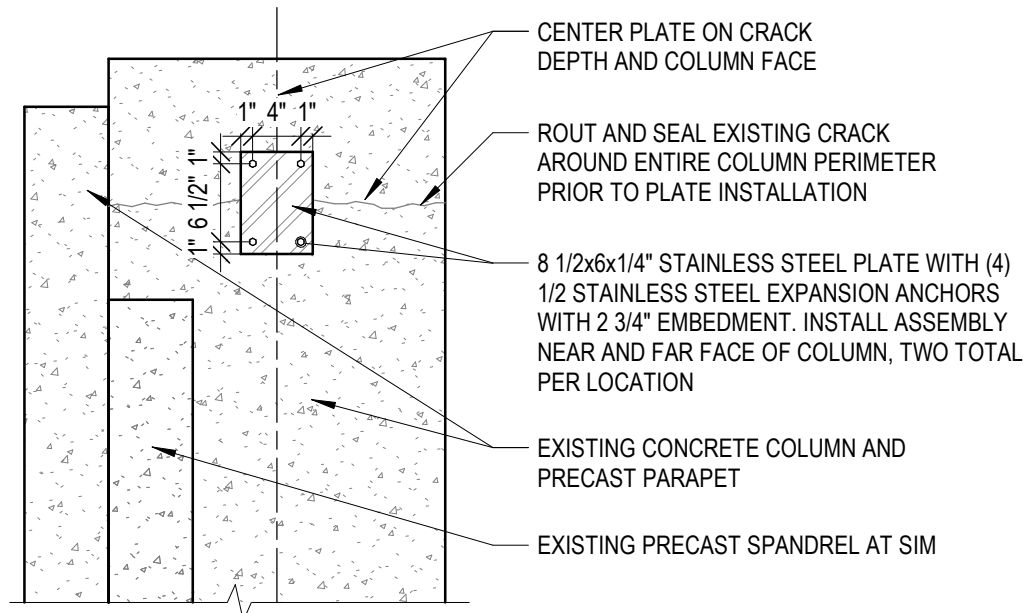


NOTE: ADDITIONAL SLAB DEPTH AND ASSOCIATED REINFORCING AND DETAILING TO BE PROVIDED WHERE FULL-DEPTH SPALL OCCURS AT EXISTING SSL FLOOR DRAIN, SEE SL-S101

B6

1 1/2" = 1'-0"

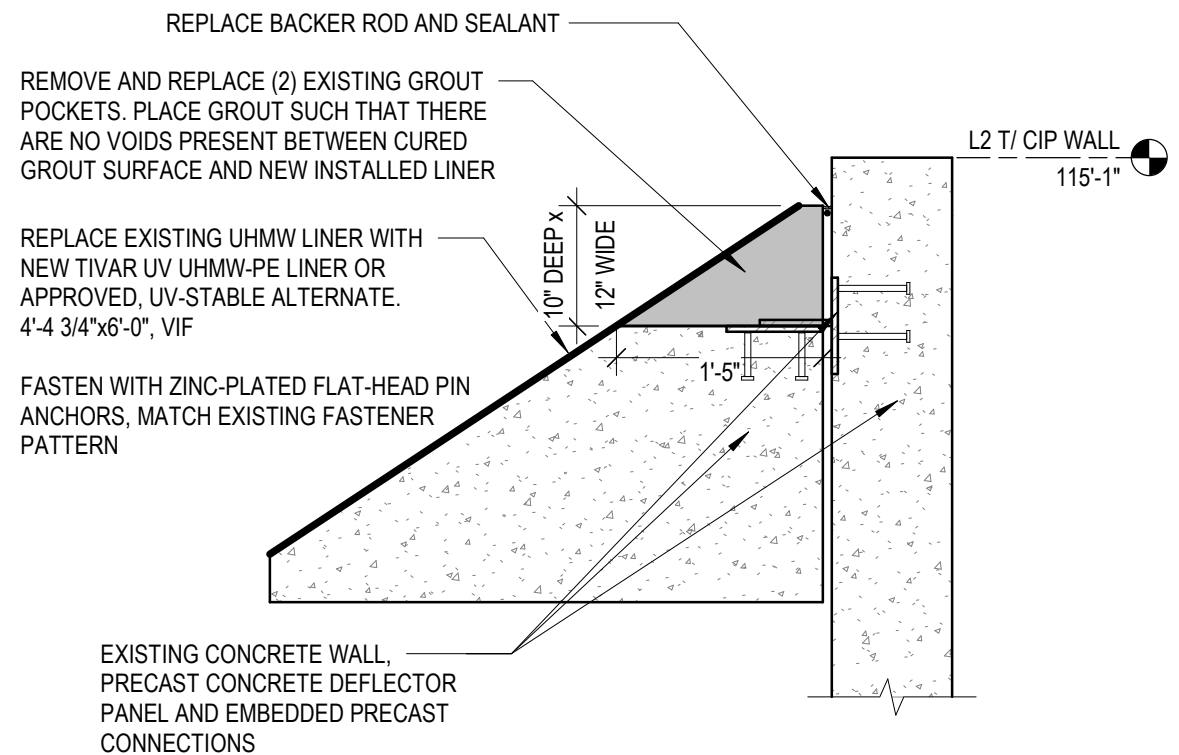
FULL-DEPTH SPALL REPAIR



TOP OF COLUMN PLATE ATTACHMENT

A5

3/4" = 1'-0"



SNOW CHUTE DELFECTOR REPAIR

A6

3/4" = 1'-0"