

# CITY OF MADISON

## 2021 PARKING GARAGE MAINTENANCE MADISON, WISCONSIN CITY OF MADISON CONTRACT NO. 8591 BID DRAWINGS

**GRÄEF**

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:

2020 PARKING GARAGE  
MAINTENANCE

ISSUE:

1 02/12/2021 BID  
DOCUMENTS

PROJECT  
INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

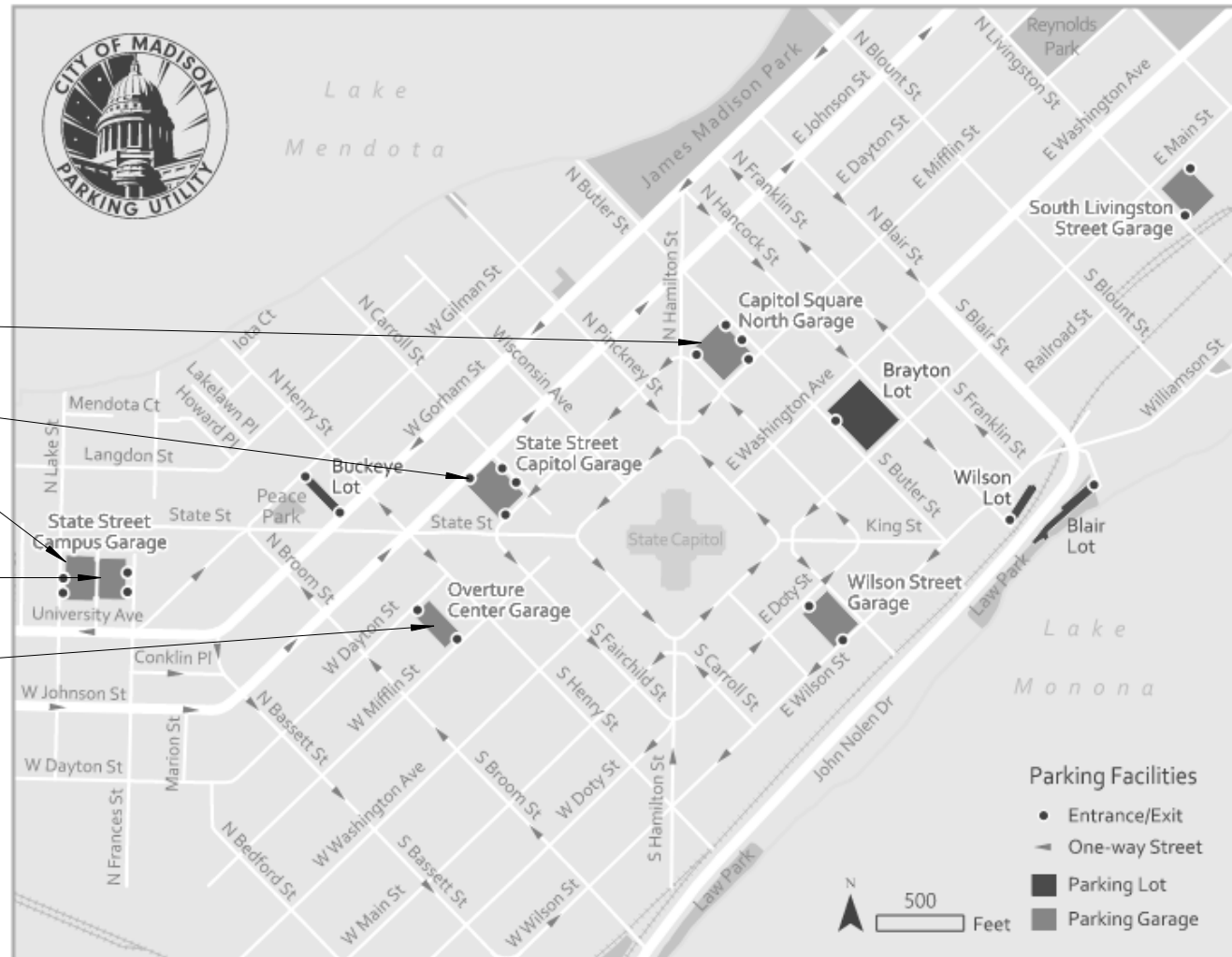
COVER SHEET

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-S100 - 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
REPAIR DETAILS	S501 - S506



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

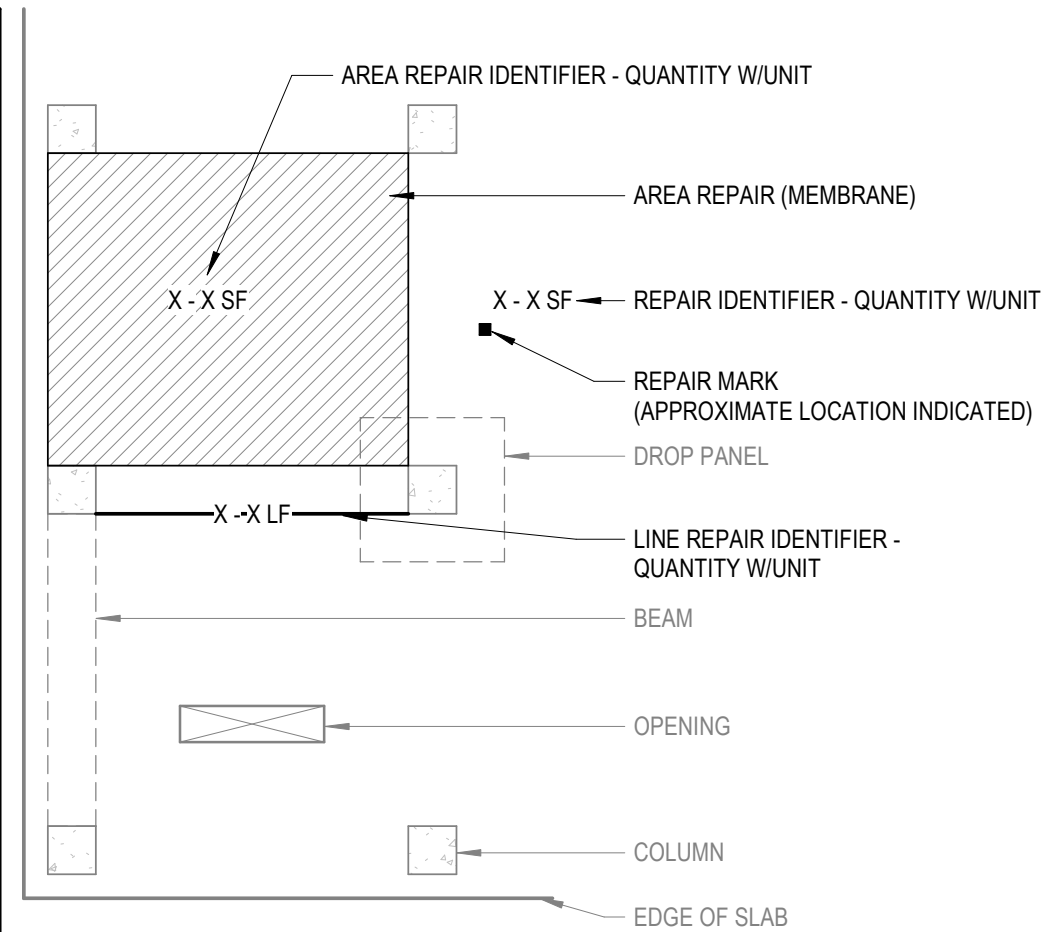
OVERTURE CENTER (OC)  
318 WEST MIFFLIN STREET



# ESTIMATED PLAN QUANTITIES

# CONCRETE REPAIR PLAN LEGEND

PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE	UNITS	SSL QUANTITY	SSF QUANTITY	SSCO QUANTITY	CSN QUANTITY	OC QUANTITY	TOTAL QUANTITY
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A	SF	10	0	0	0	0	10
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A	SF	119	0	0	10	0	129
3	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A	SF	10	0	0	0	0	10
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502	SF	244	3	86	77	30	440
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502	SF	2	9	7	15	4	37
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502	SF	119	3	299	7	8	436
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502	SF	0	7	0	2	2	11
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502	SF	247	21	342	35	30	675
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502	SF	2	1	7	2	0	12
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504	ITEM	0	0	2	0	3	5
11	STAIR SPALL REPAIR	A6 / S504	ITEM	5	3	11	0	0	19
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505	SF	246	0	0	0	0	246
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505	SF	10	0	0	0	0	10
14	RE-ANCHOR STAIR TREAD	N/A	ITEM	0	0	7	10	0	17
15	EPOXY INJECTION	N/A	LF	10	0	0	0	0	10
16	CONCRETE SLAB CRACK REPAIR	B5 / S504	LF	435	118	0	0	352	905
17	CMU CRACK/MORTAR JOINT REPAIR	N/A	LF	0	171	224	11	0	406
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504	LF	172	0	214	0	0	386
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504	LF	0	0	0	0	43	43
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504	LF	29	0	0	0	177	206
21	STEEL CLEANING/PAINTING	N/A	SF	0	10	0	0	0	10
22	REMOVE AND REPLACE EXISTING SEALANT	N/A	LF	477	989	1324	69	22	2881
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505	ITEM	0	61	0	0	0	61
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A	LF	0	0	7	5	0	12
25	BRICK MASONRY REPAIR	N/A	SF	0	4	0	9	4	17
26	BRICK MASONRY SEALING (CSN)	N/A	SF	0	0	0	1320	0	1320
27	ANCHOR REPLACEMENT	N/A	ITEM	2	0	0	9	0	11
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505	ITEM	0	0	2	0	0	2
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505	LS	0	0	1	0	0	1
30	LEVEL 2 RESLOPING (SSCO)	N/A	LS	0	0	1	0	0	1
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501	LS	0	0	1	0	0	1
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A	LF	0	2688	0	0	0	2688
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A	SF	0	0	411	0	0	411
34	POUR STRIP REPLACEMENT (CSN)	C6 / S506	LS	0	0	0	1	0	1



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:

2020 PARKING GARAGE  
MAINTENANCE

ISSUE:

1 02/12/2021 BID  
DOCUMENTS

PROJECT  
INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

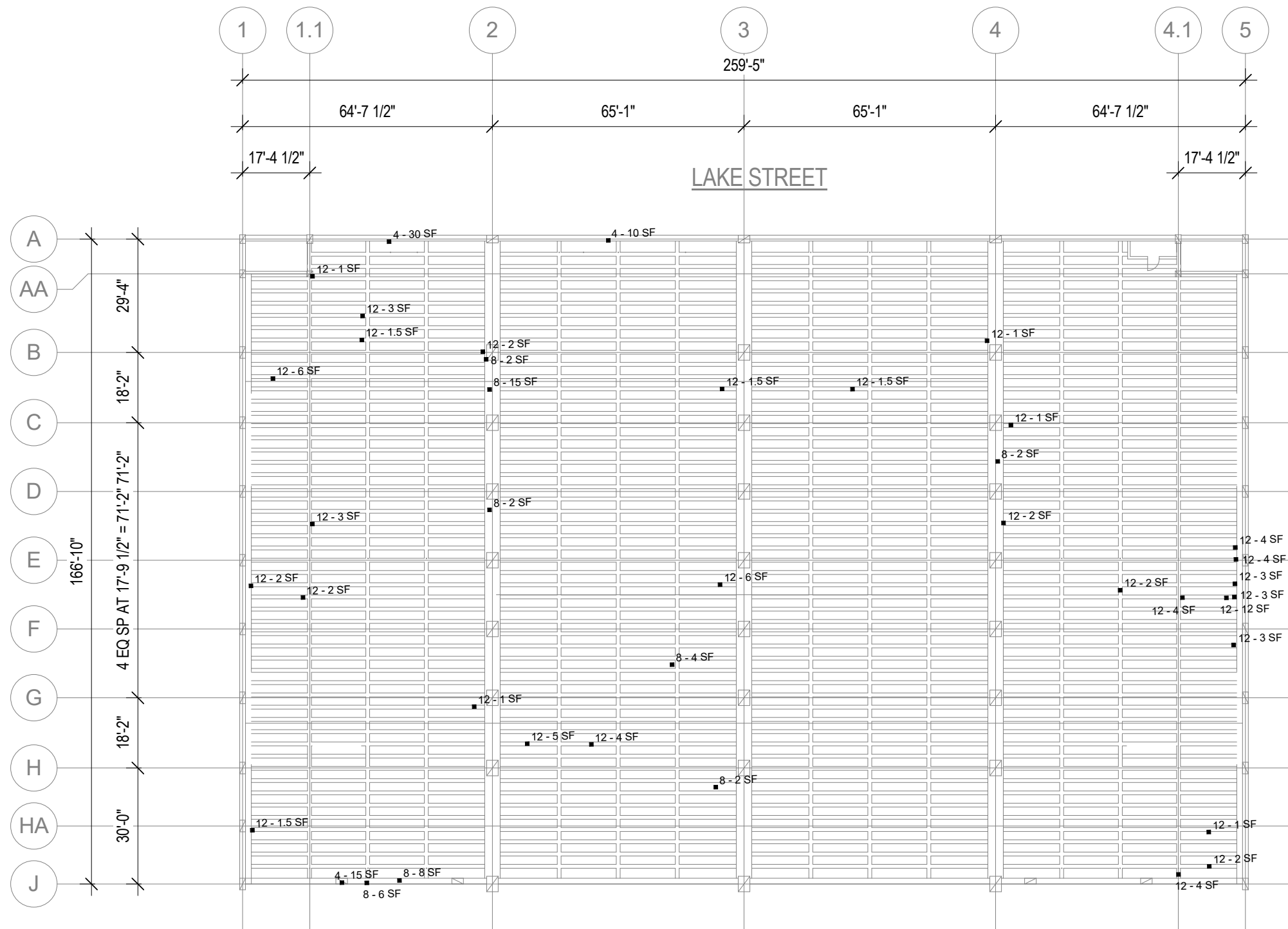
SHEET TITLE:

ESTIMATED PLAN QUANTITIES

SHEET NUMBER:

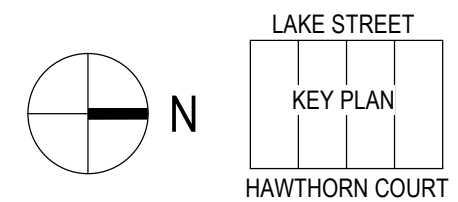
**G002**

2/12/2021 8:52:25 AM



**1 STATE STREET CAMPUS: LAKE (SSL) - LOWER LEVEL (OVERHEAD)**  
 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE MAINTENANCE

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
 DATE: 02/12/2021  
 DRAWN BY: JJJ  
 CHECKED BY: AMG  
 APPROVED BY: DFW  
 SCALE: AS NOTED

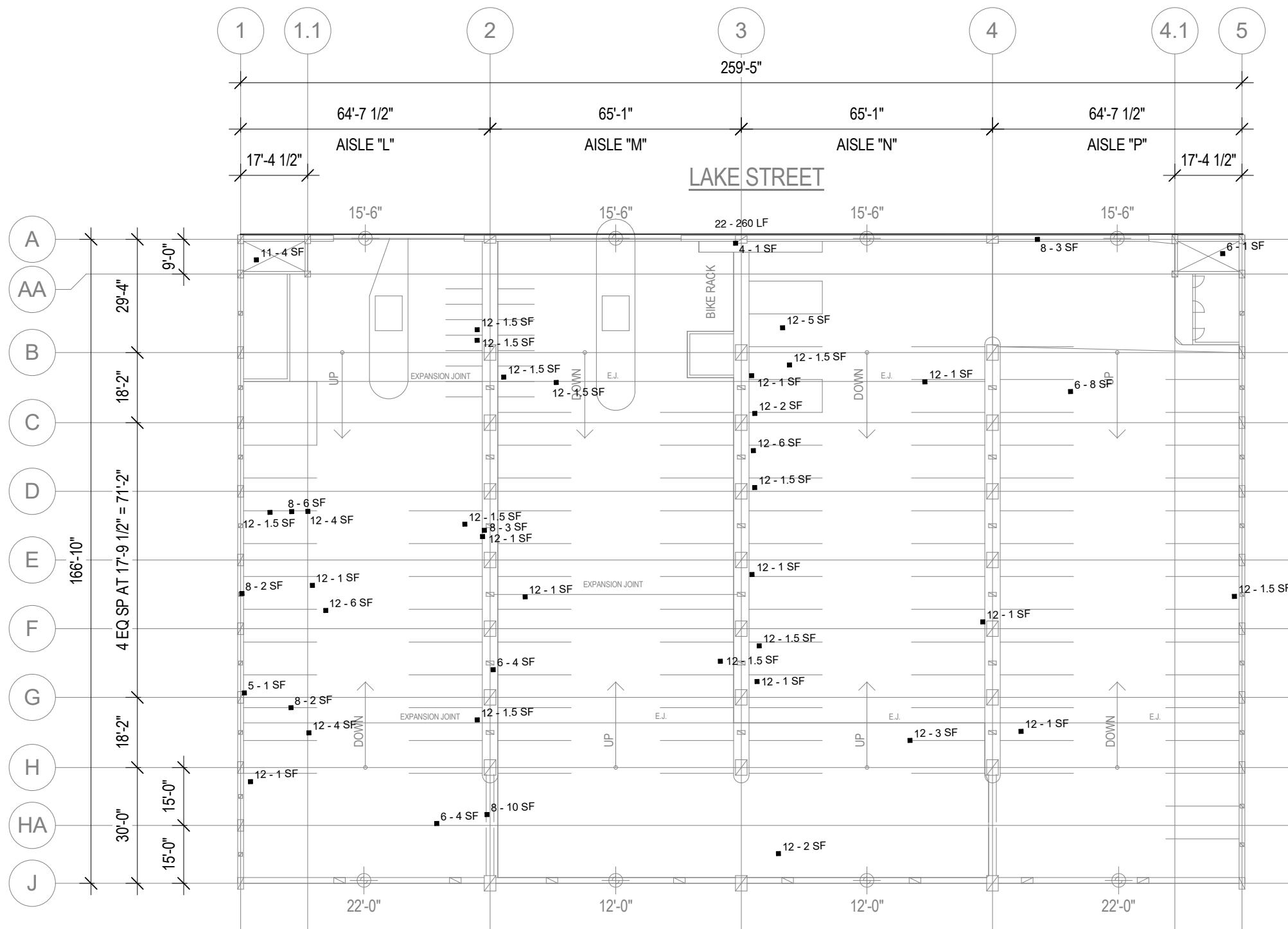
SHEET TITLE:

STATE STREET CAMPUS LAKE LOWER LEVEL PLAN (OVERHEAD)

SHEET NUMBER:

**SL-S100**

2/12/2021 8:52:25 AM

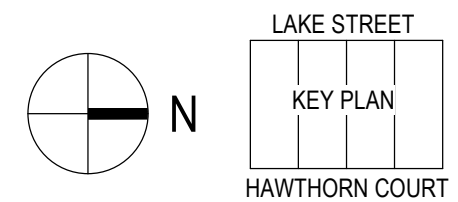


1

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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

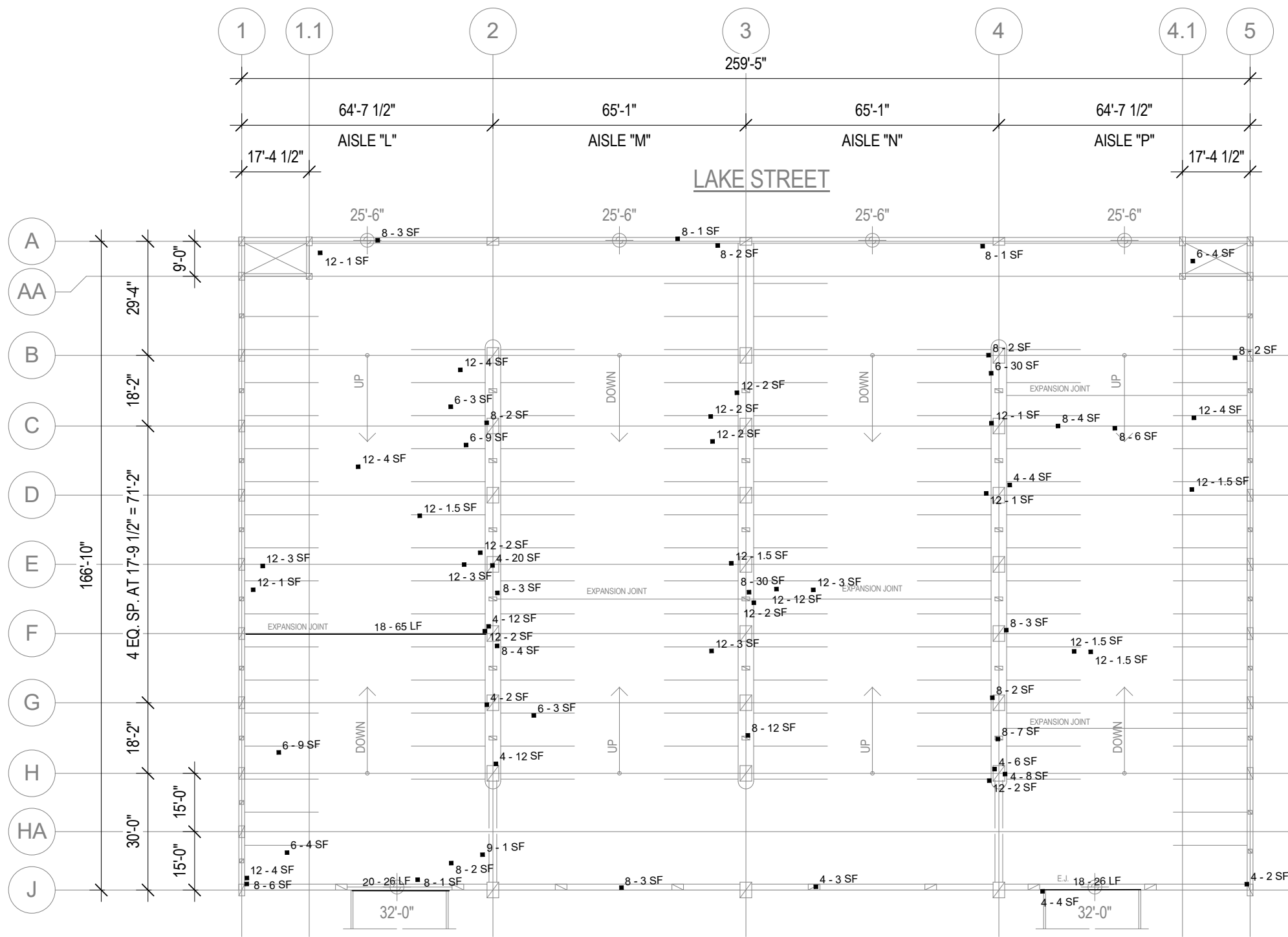
SHEET TITLE:

STATE STREET CAMPUS LAKE LEVEL 1 PLAN

SHEET NUMBER:

SL-S101

2/12/2021 8:52:26 AM

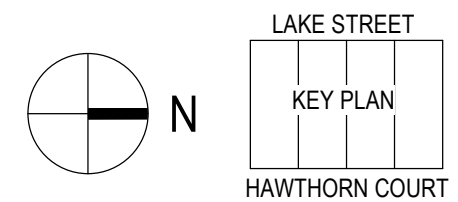


PAY ITEM	X - X UNIT DESCRIPTION	DETAIL REFERENCE
1	TOP/WEAR COAT MEMBRANE INSTALLATION	N/A
2	LOCALIZED FULL SYSTEM MEMBRANE REPAIR	N/A
3	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	

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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

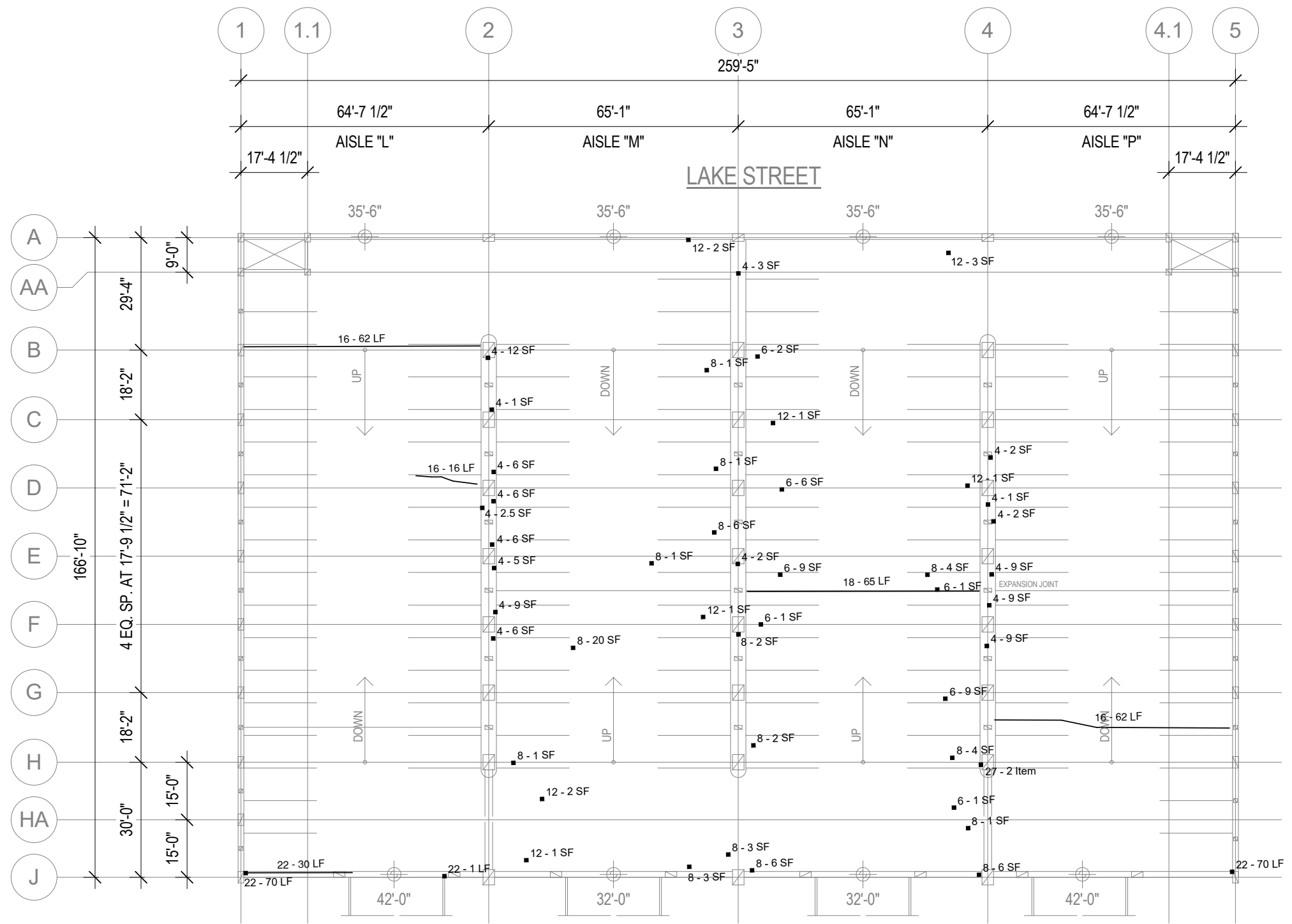
SHEET TITLE:

STATE STREET CAMPUS LAKE  
LEVEL 2 PLAN

SHEET NUMBER:

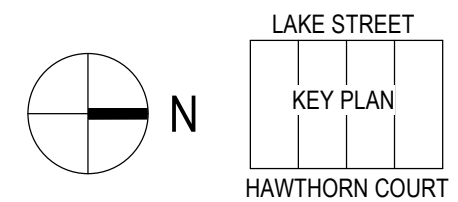
**SL-S102**

2/12/2021 8:52:26 AM



**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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
 2020 PARKING GARAGE MAINTENANCE

ISSUE:  
 1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

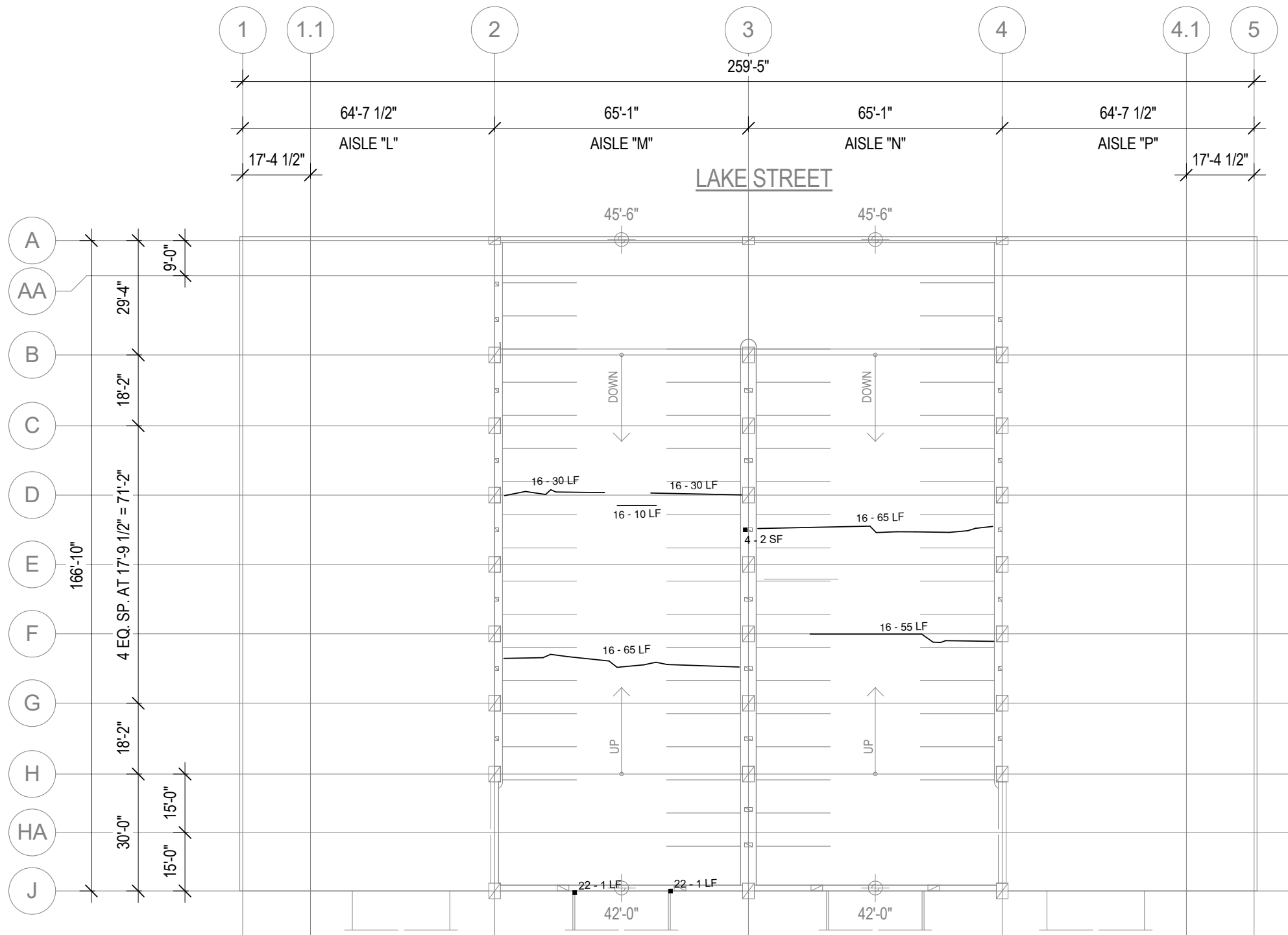
PROJECT NUMBER: 20205012  
 DATE: 02/12/2021  
 DRAWN BY: JJJ  
 CHECKED BY: AMG  
 APPROVED BY: DFW  
 SCALE: AS NOTED

SHEET TITLE:  
 STATE STREET CAMPUS LAKE LEVEL 3 PLAN

SHEET NUMBER:

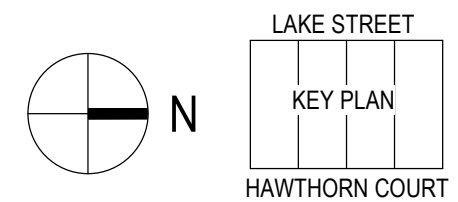
**SL-S103**

2/12/2021 8:52:26 AM



**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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
 2020 PARKING GARAGE MAINTENANCE

ISSUE:  
 1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
 DATE: 02/12/2021  
 DRAWN BY: JJJ  
 CHECKED BY: AMG  
 APPROVED BY: DFW  
 SCALE: AS NOTED

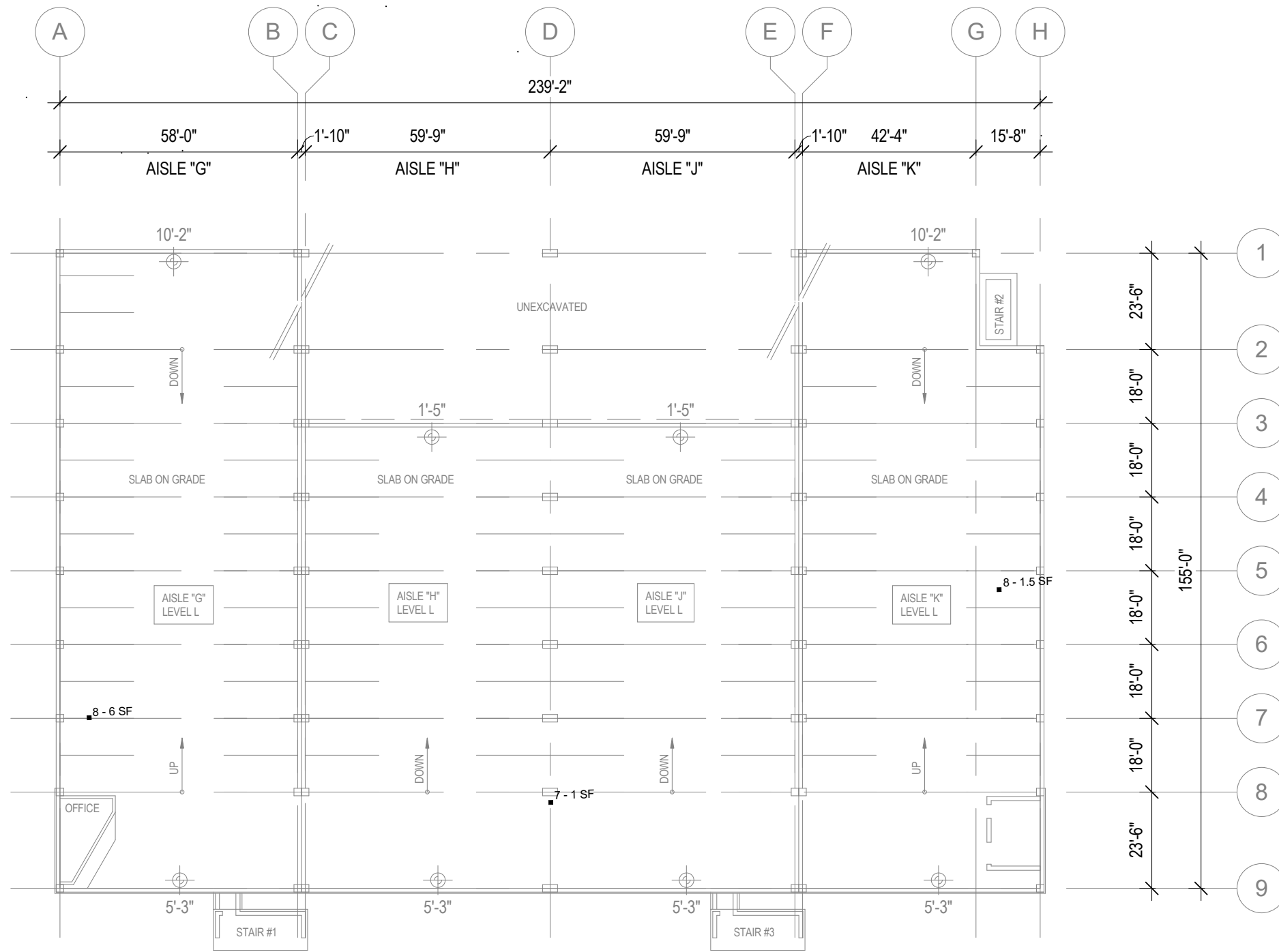
SHEET TITLE:

STATE STREET CAMPUS LAKE LEVEL 4 PLAN

SHEET NUMBER:

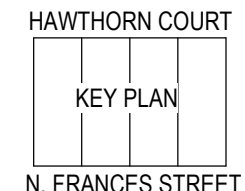
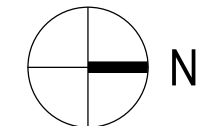
**SL-S104**

2/12/2021 8:52:23 AM



# STATE STREET CAMPUS: FRANCES (SSF) - 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

SHEET TITLE:

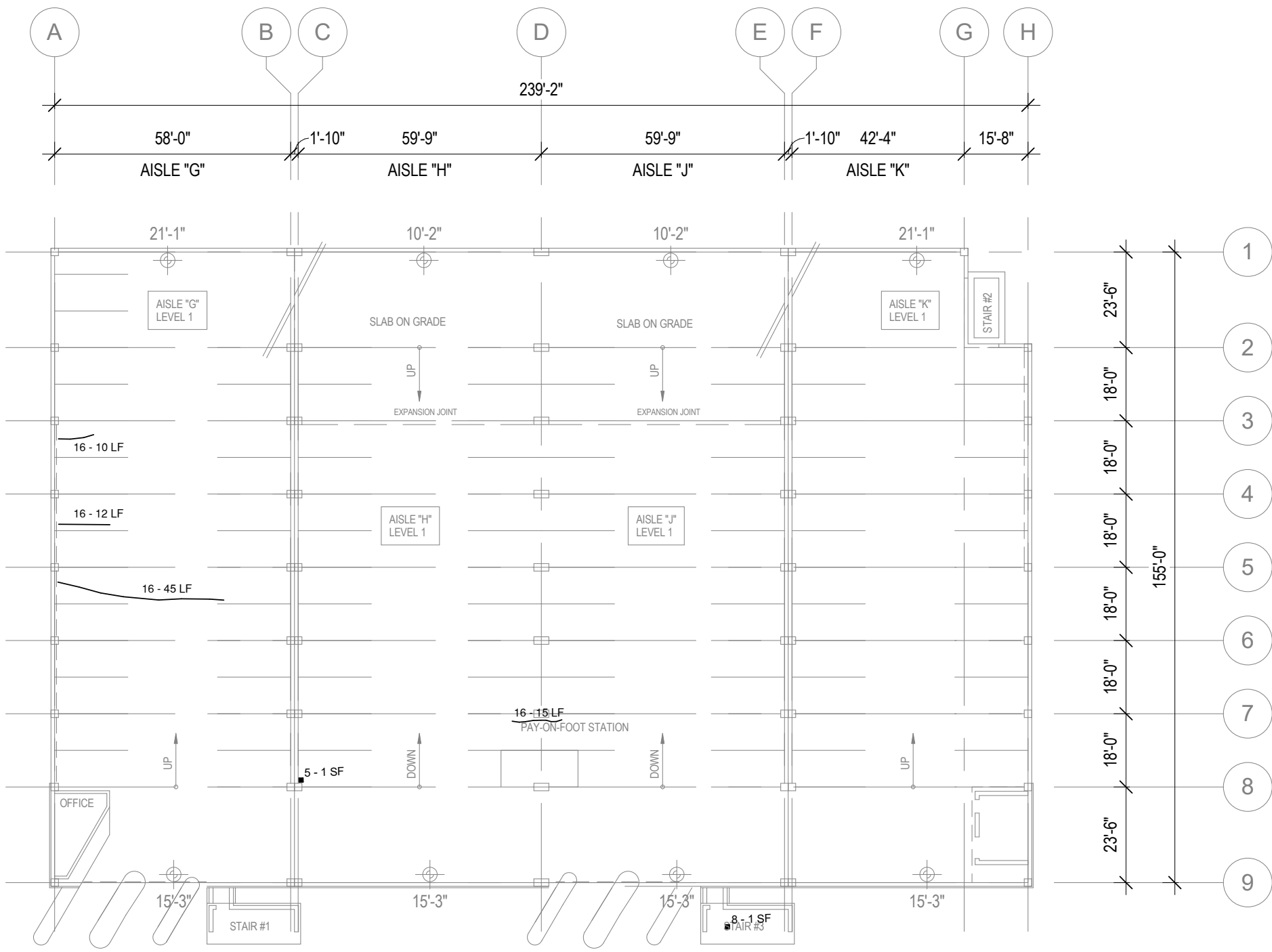
STATE STREET CAMPUS  
FRANCES LOWER LEVEL PLAN

SHEET NUMBER:

**SF-S100**

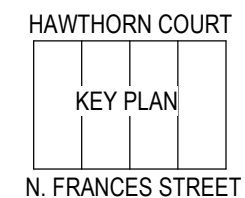
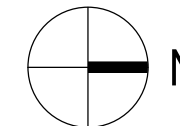


2/12/2021 8:52:23 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

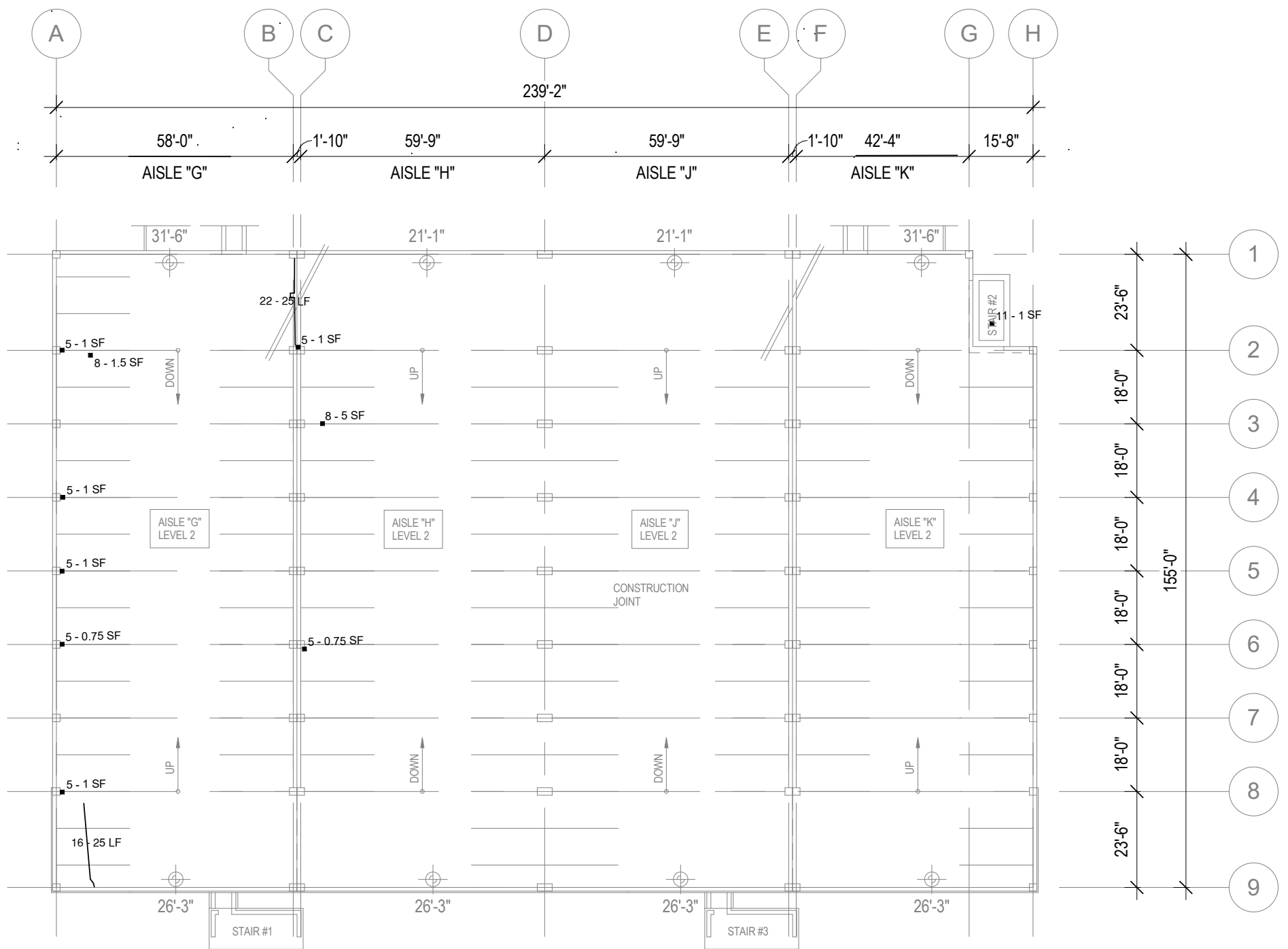
SHEET TITLE:

STATE STREET CAMPUS FRANCES LEVEL 1 PLAN

SHEET NUMBER:

**SF-S101**

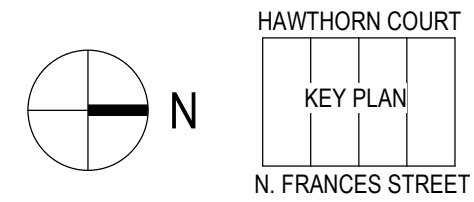
2/12/2021 8:52:23 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

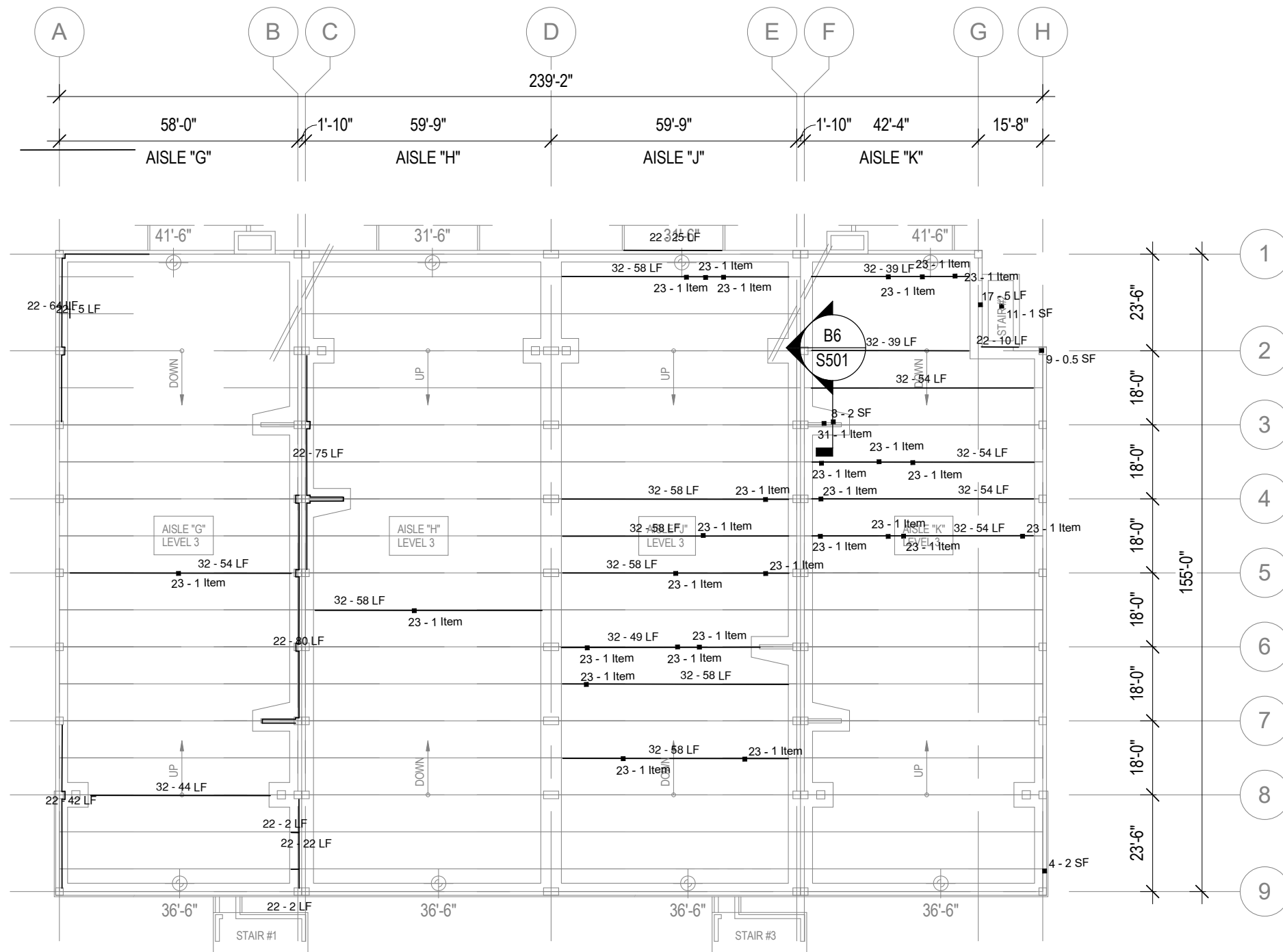
SHEET TITLE:

STATE STREET CAMPUS  
FRANCES LEVEL 2 PLAN

SHEET NUMBER:

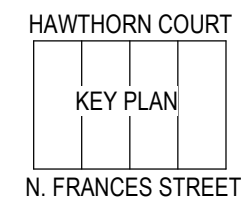
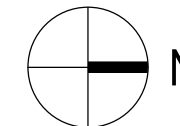
**SF-S102**

2/12/2021 8:52:24 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

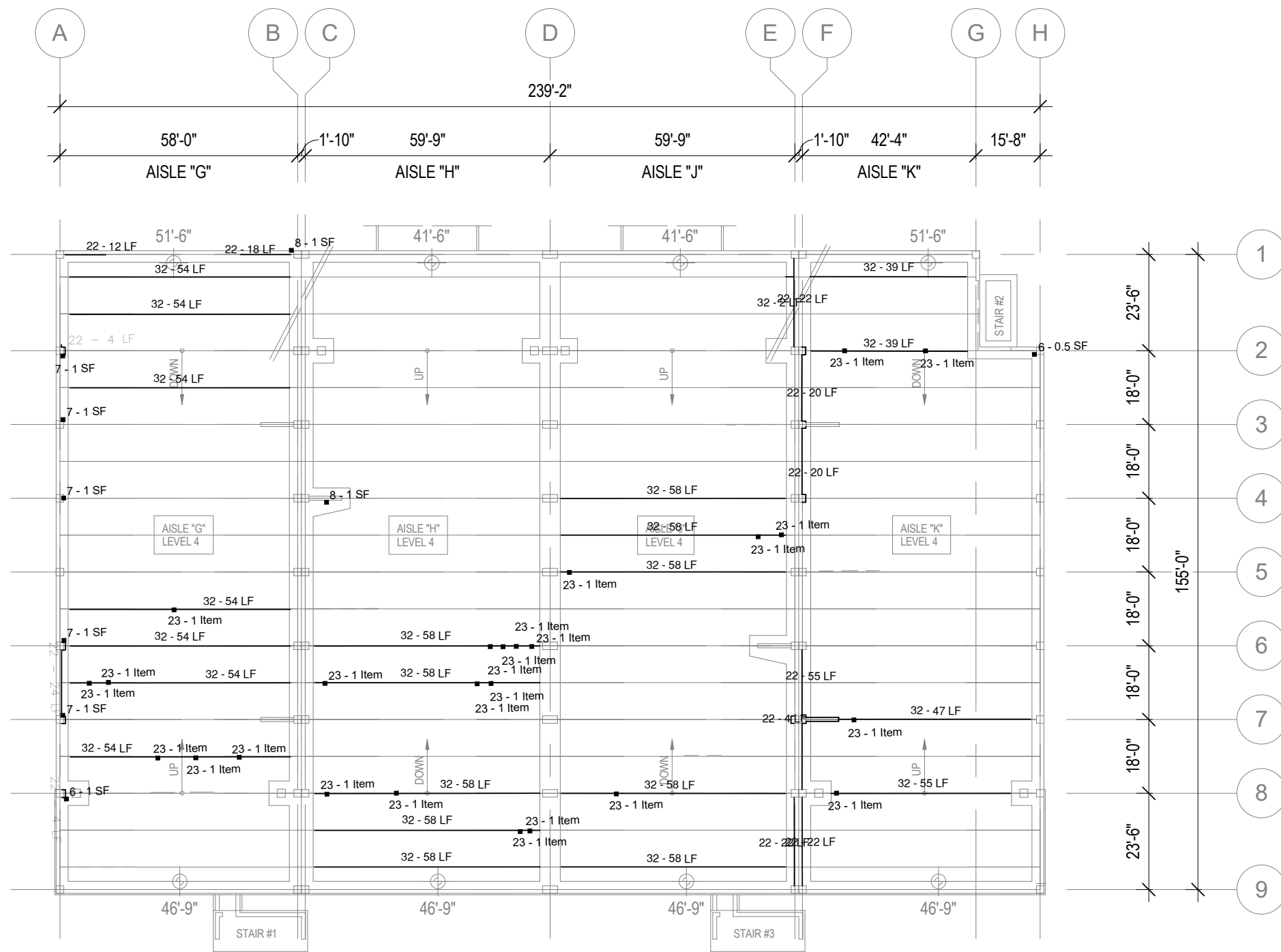
SHEET TITLE:

STATE STREET CAMPUS  
FRANCES LEVEL 3 PLAN

SHEET NUMBER:

**SF-S103**

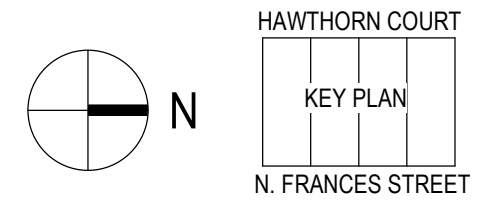
2/12/2021 8:52:24 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

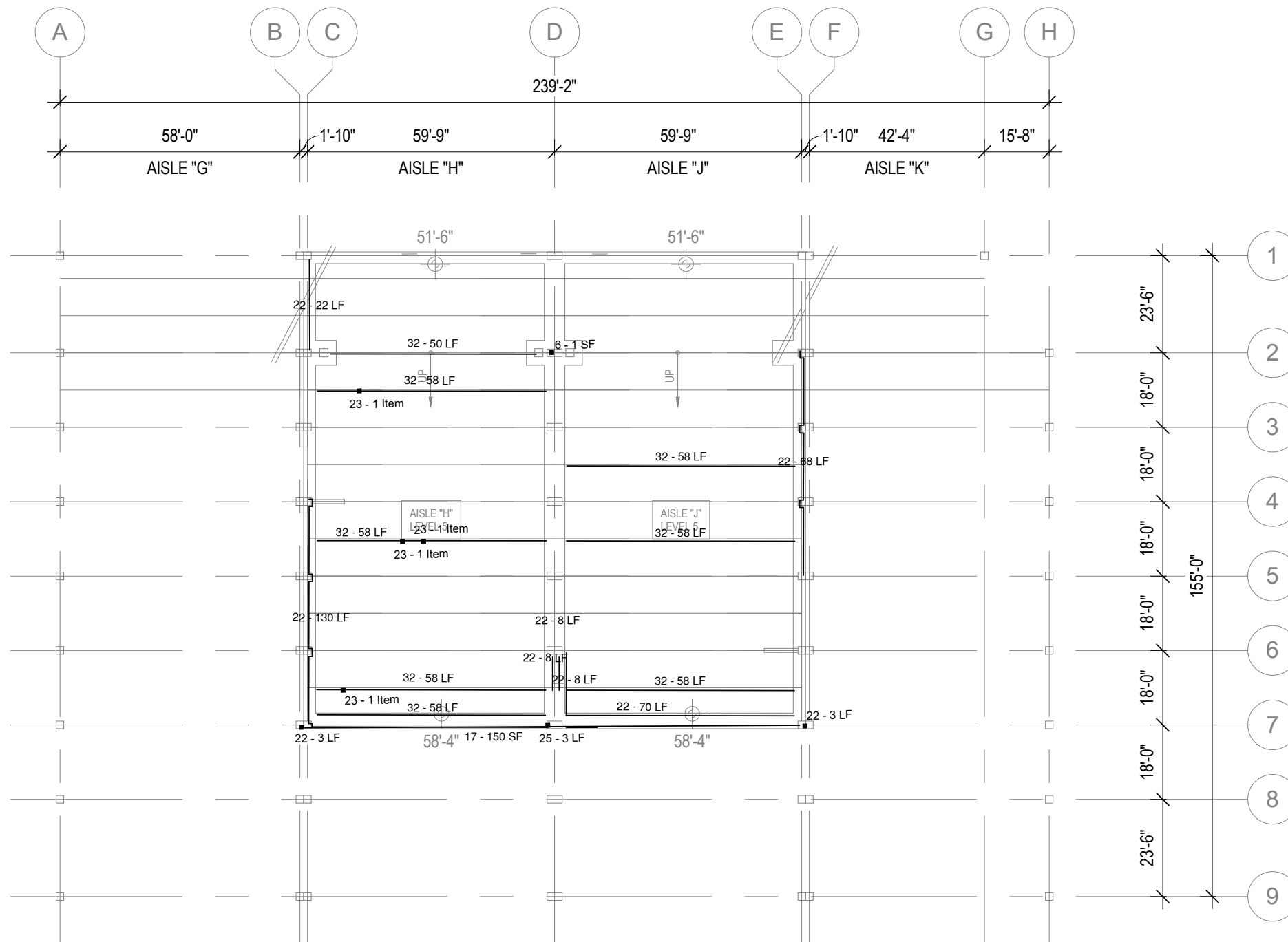
SHEET TITLE:

STATE STREET CAMPUS  
FRANCES LEVEL 4 PLAN

SHEET NUMBER:

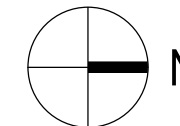
**SF-S104**

2/12/2021 8:52:24 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE MAINTENANCE

ISSUE:

1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

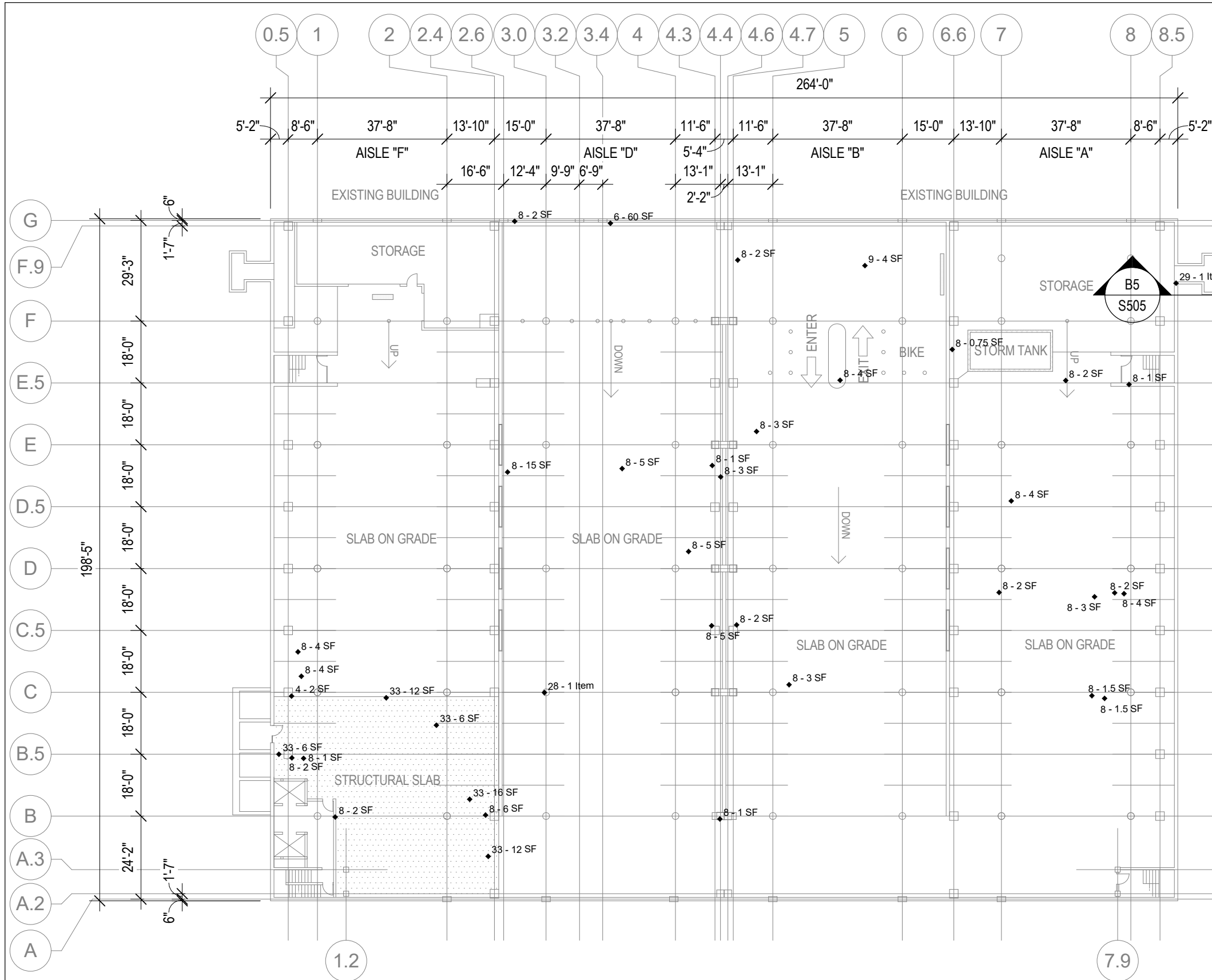
SHEET TITLE:

STATE STREET CAMPUS  
FRANCES LEVEL 5 PLAN

SHEET NUMBER:

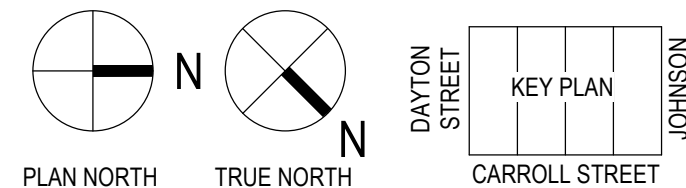
**SF-S105**

2/12/2021 8:52:20 AM



# STATE STREET CAPITOL (SSCO) - 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

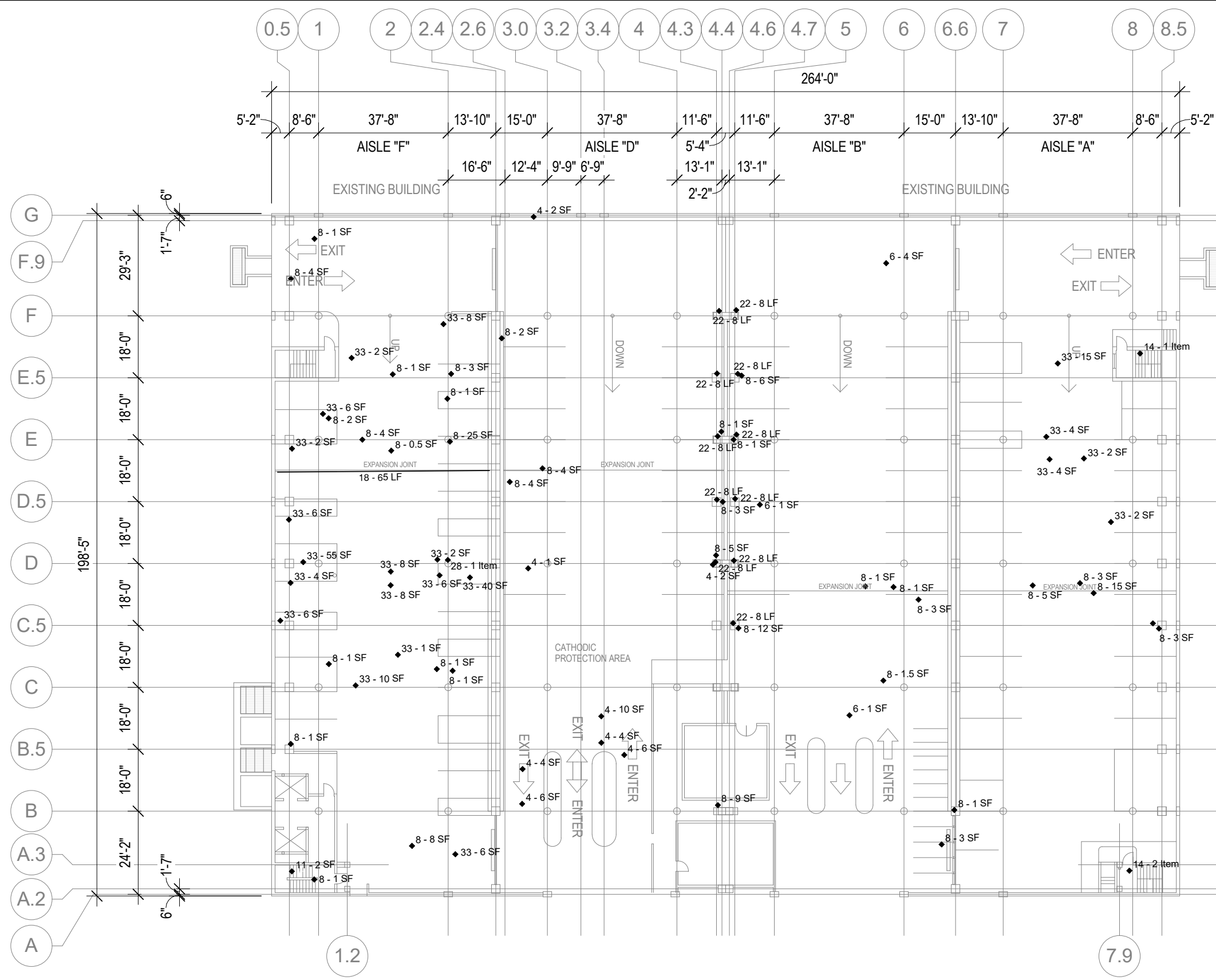
SHEET TITLE:

STATE STREET CAPITOL LOWER LEVEL PLAN

SHEET NUMBER:

**SC-S100**

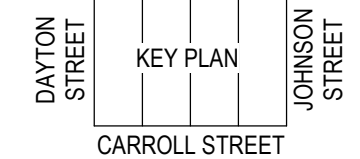
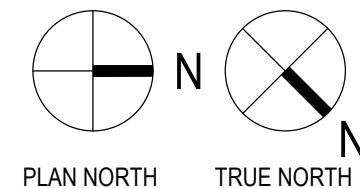
2/12/2021 8:52:20 AM



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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	

# STATE STREET CAPITOL (SSCO) - LEVEL 1

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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

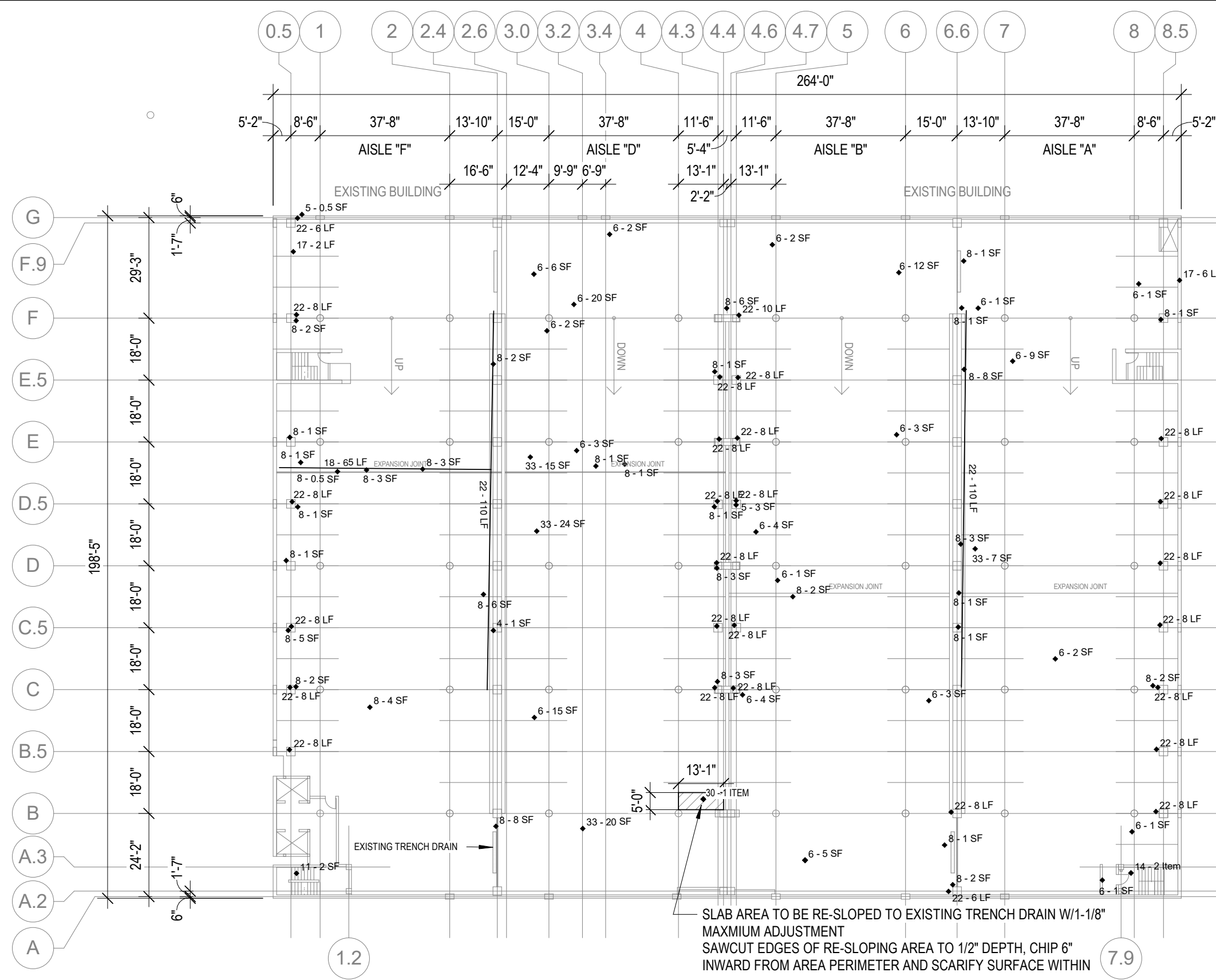
SHEET TITLE:

STATE STREET CAPITOL LEVEL 1 PLAN

SHEET NUMBER:

**SC-S101**

2/12/2021 9:04:29 AM



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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	

# 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



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

PROJECT TITLE:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

SHEET TITLE:

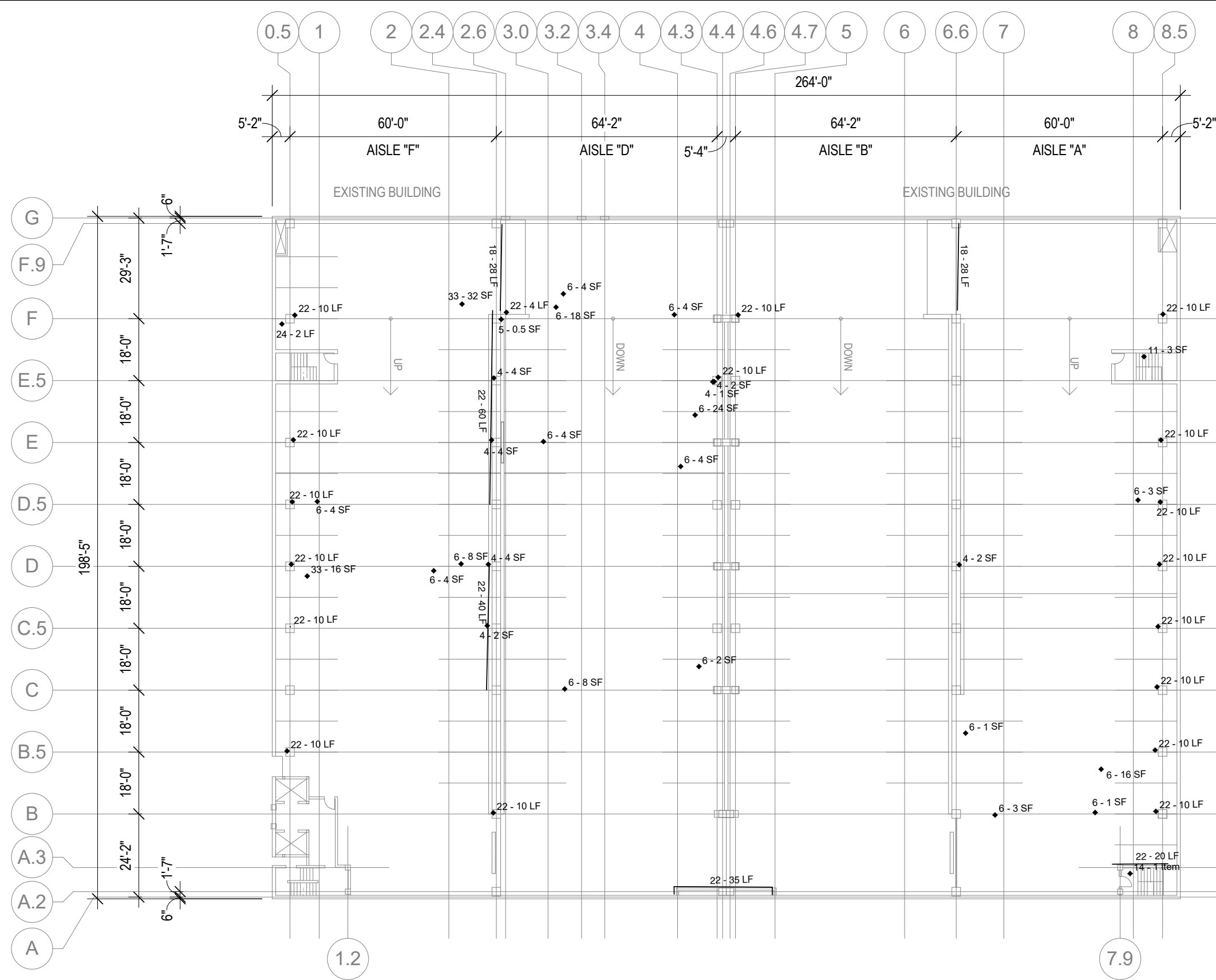
STATE STREET CAPITOL LEVEL  
2 PLAN

SHEET NUMBER:

## SC-S102

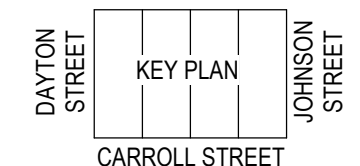
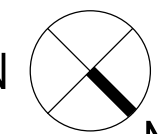
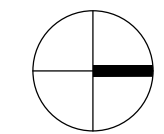


2/12/2021 8:52:21 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

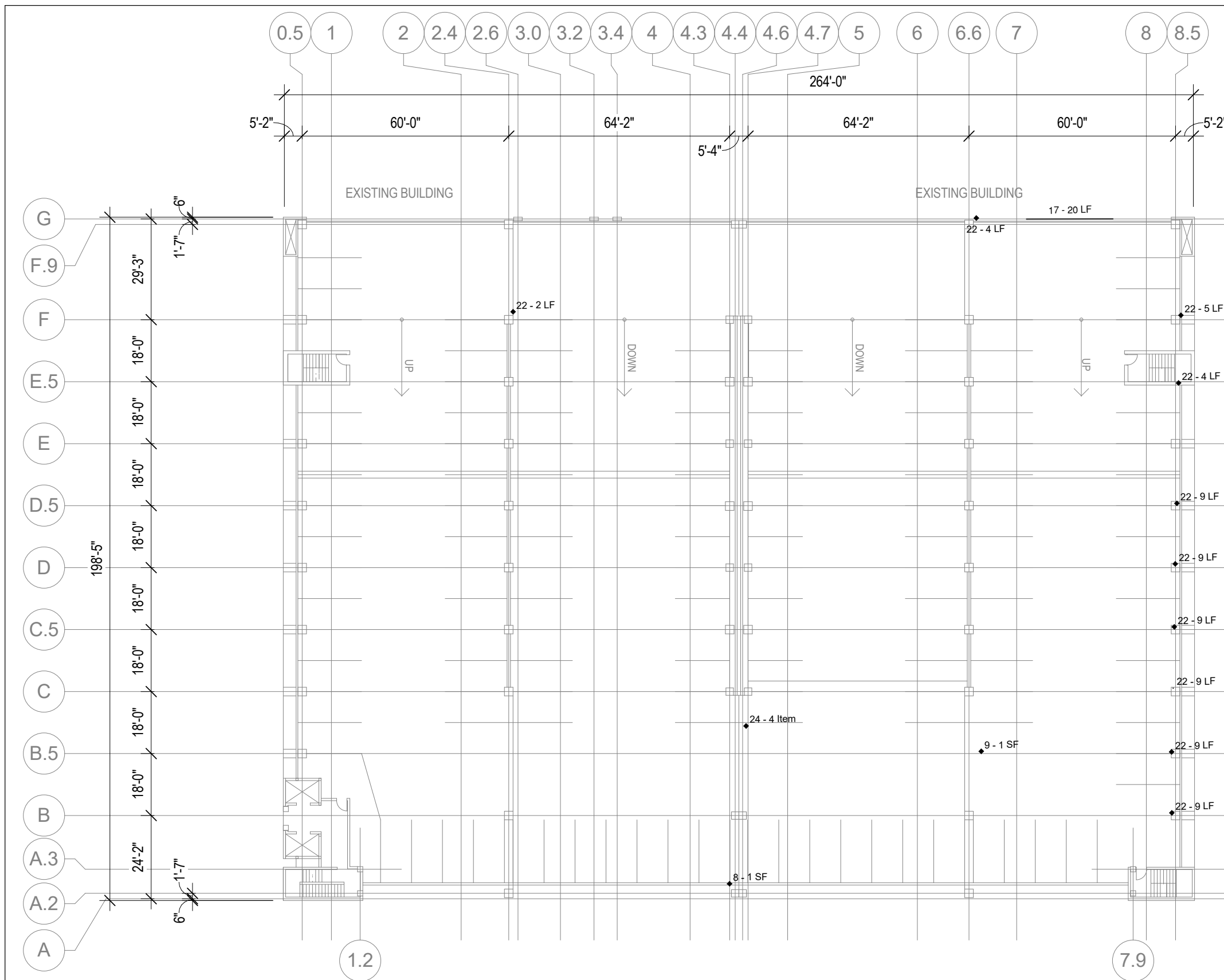
SHEET TITLE:

STATE STREET CAPITOL LEVEL 3 PLAN

SHEET NUMBER:

**SC-S103**

2/12/2021 8:52:22 AM



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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	

# 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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

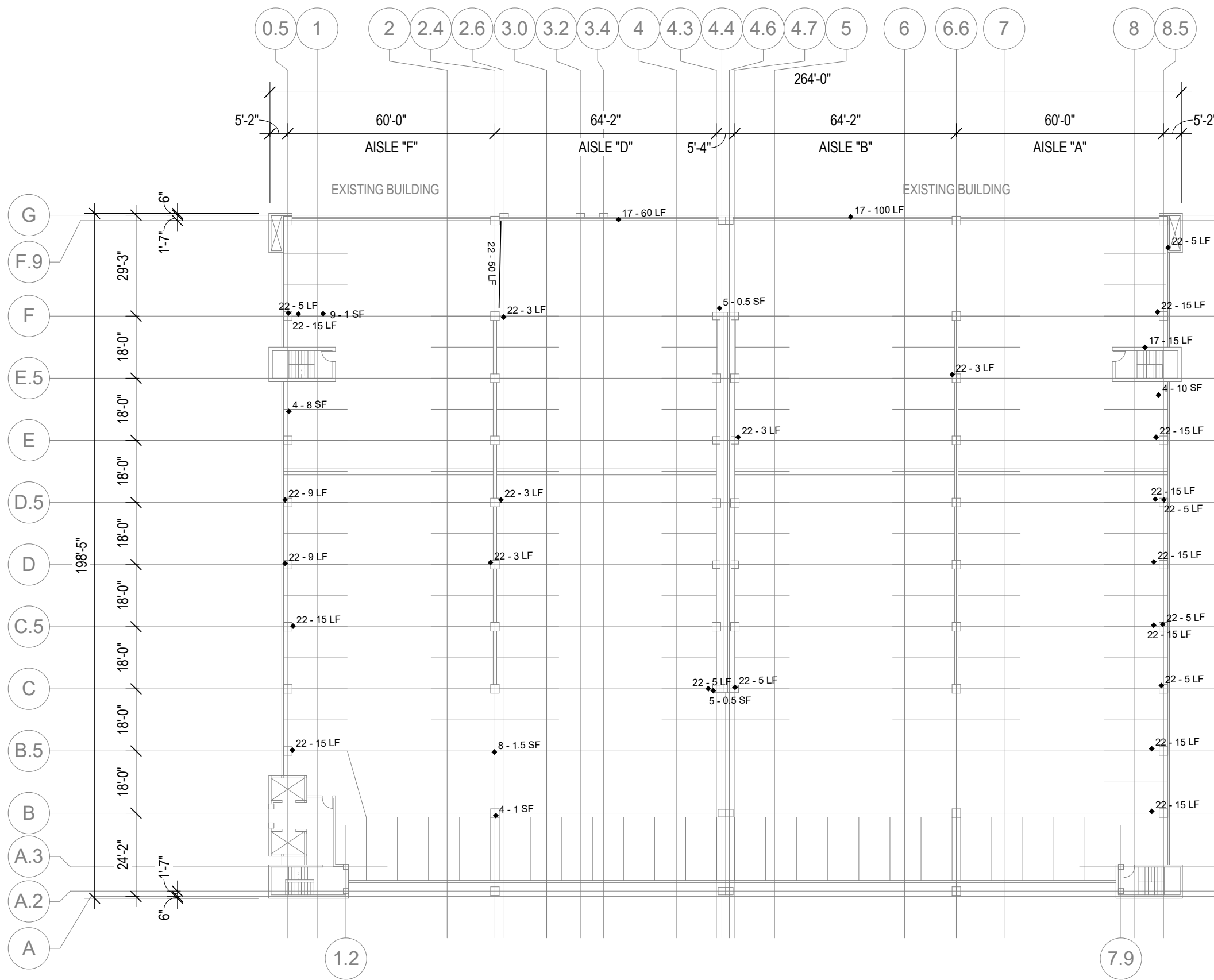
SHEET TITLE:

STATE STREET CAPITOL LEVEL  
4 PLAN

SHEET NUMBER:

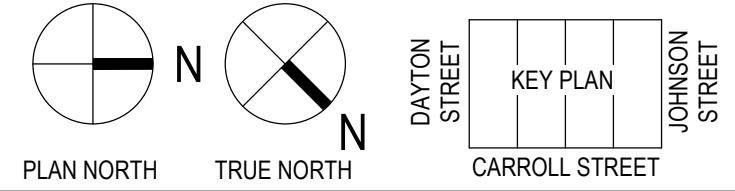
**SC-S104**

2/12/2021 8:52:22 AM



# STATE STREET CAPITOL (SSCO) - 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE MAINTENANCE

ISSUE:

1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

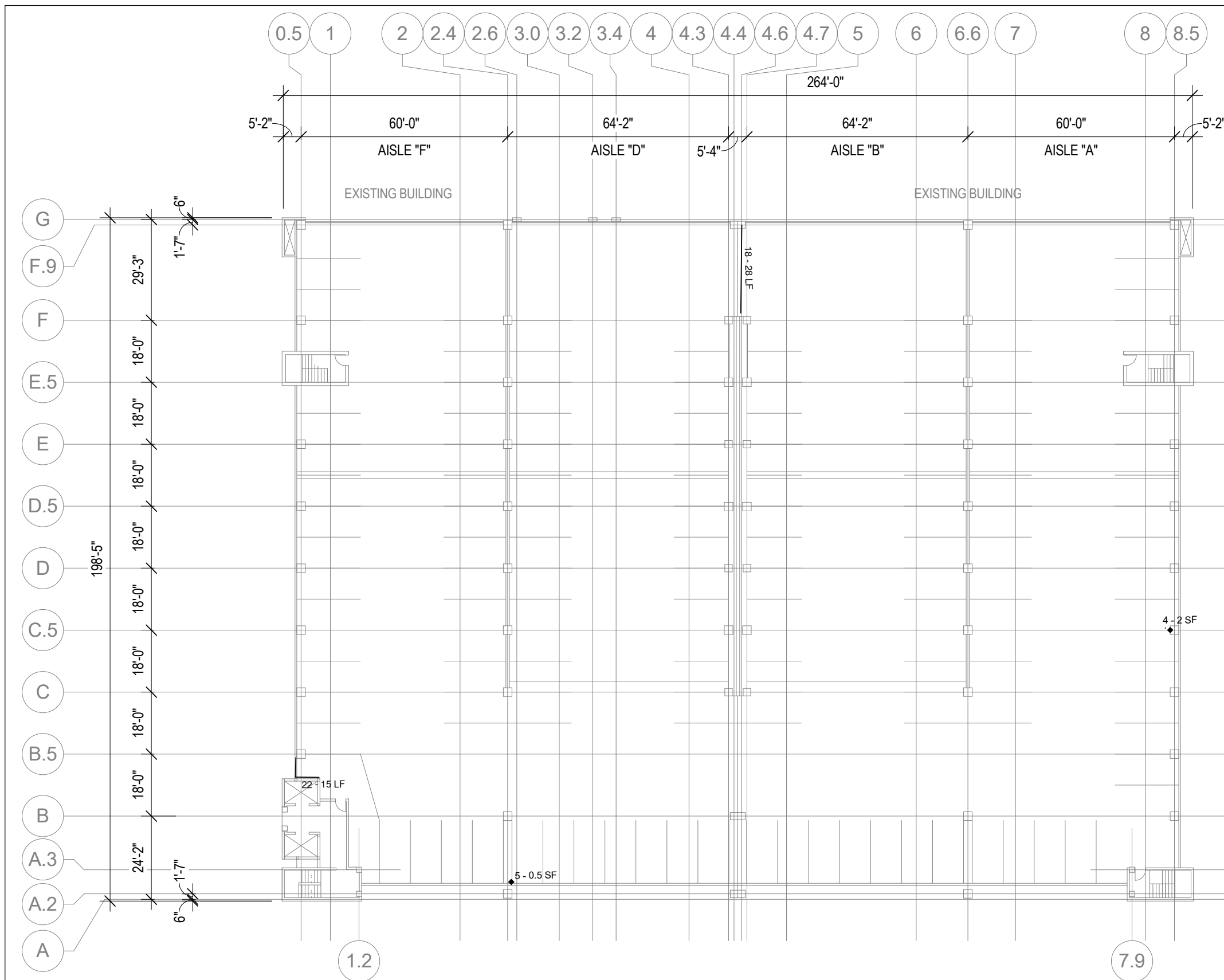
SHEET TITLE:

STATE STREET CAPITOL LEVEL 5 PLAN

SHEET NUMBER:

**SC-S105**

2/12/2021 8:52:22 AM



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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	

# 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:

2020 PARKING GARAGE MAINTENANCE

ISSUE:

1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

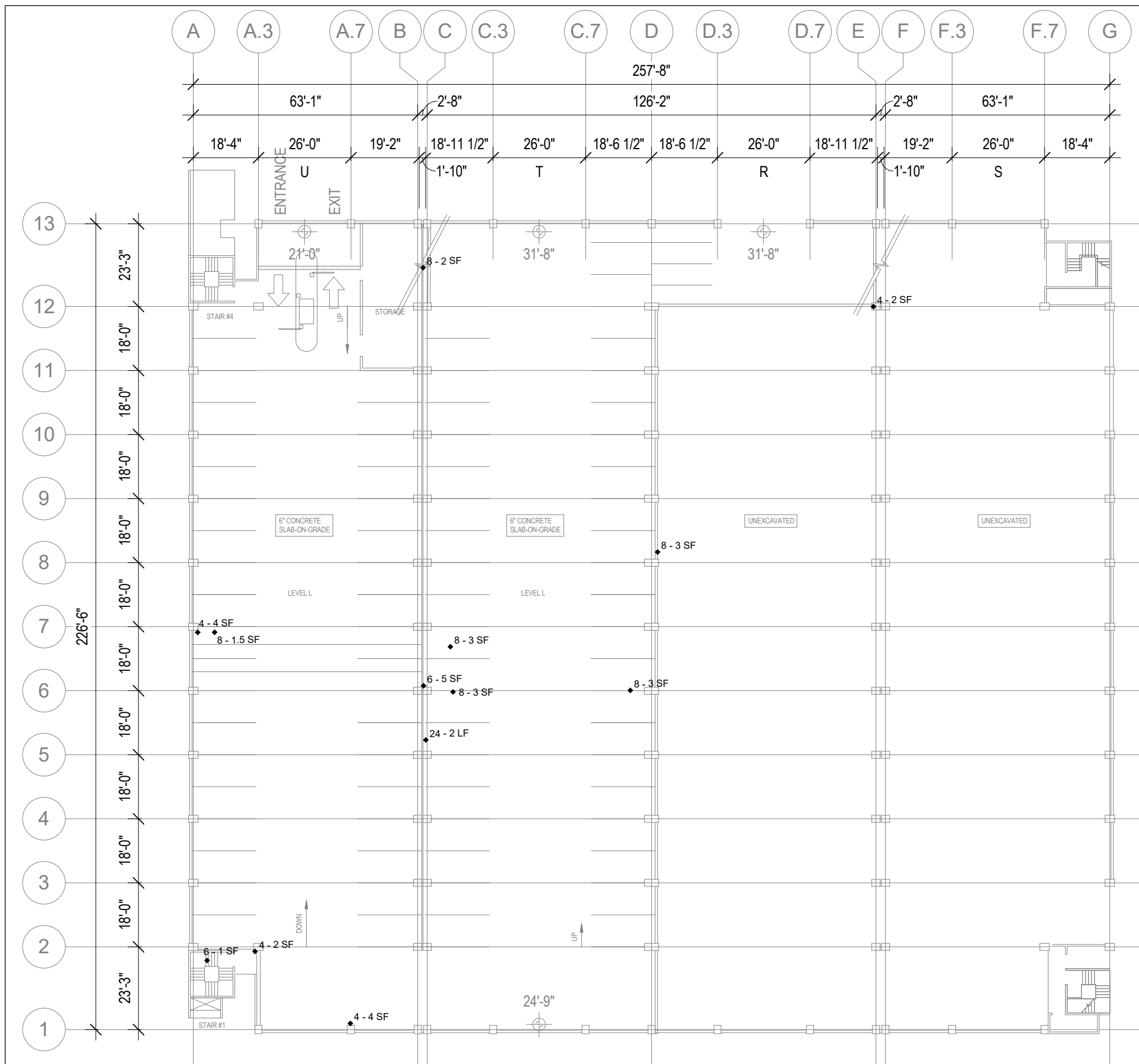
SHEET TITLE:

STATE STREET CAPITOL LEVEL 6 PLAN

SHEET NUMBER:

**SC-S106**

2/12/2021 8:52:10 AM



# CAPITAL 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE  
MAINTENANCE

ISSUE:

1 02/12/2021 BID  
DOCUMENTS

PROJECT  
INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

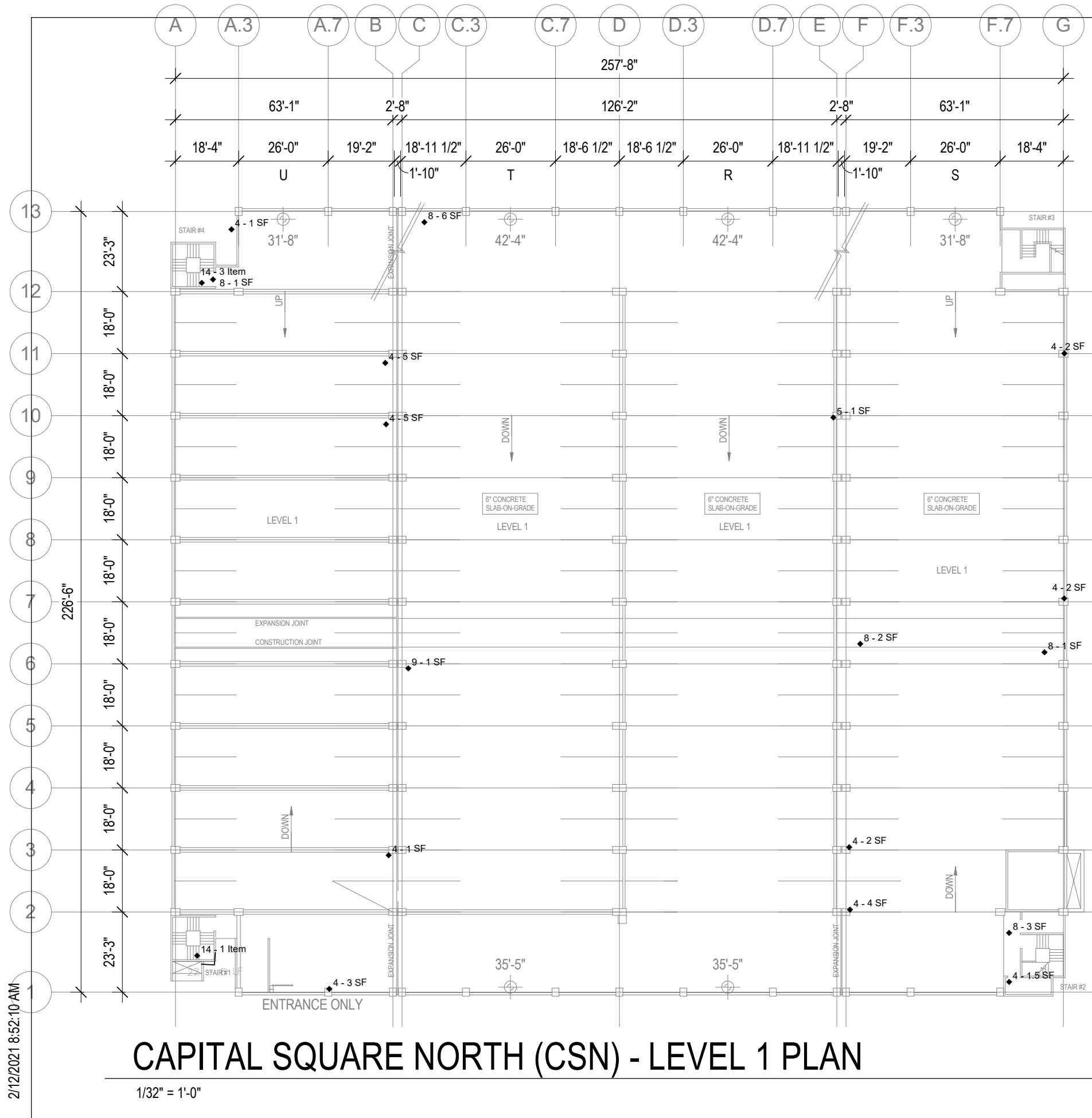
SCALE: AS NOTED

SHEET TITLE:

CAPITOL SQUARE NORTH  
LOWER LEVEL PLAN

SHEET NUMBER:

**CN-S100**

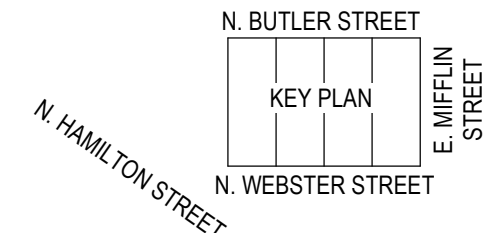
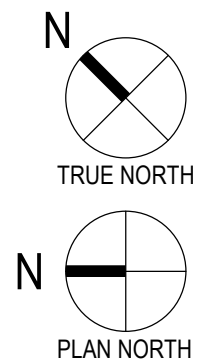


# CAPITAL SQUARE NORTH (CSN) - LEVEL 1 PLAN

1/32" = 1'-0"

2/12/2021 8:52:10 AM

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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE  
MAINTENANCE

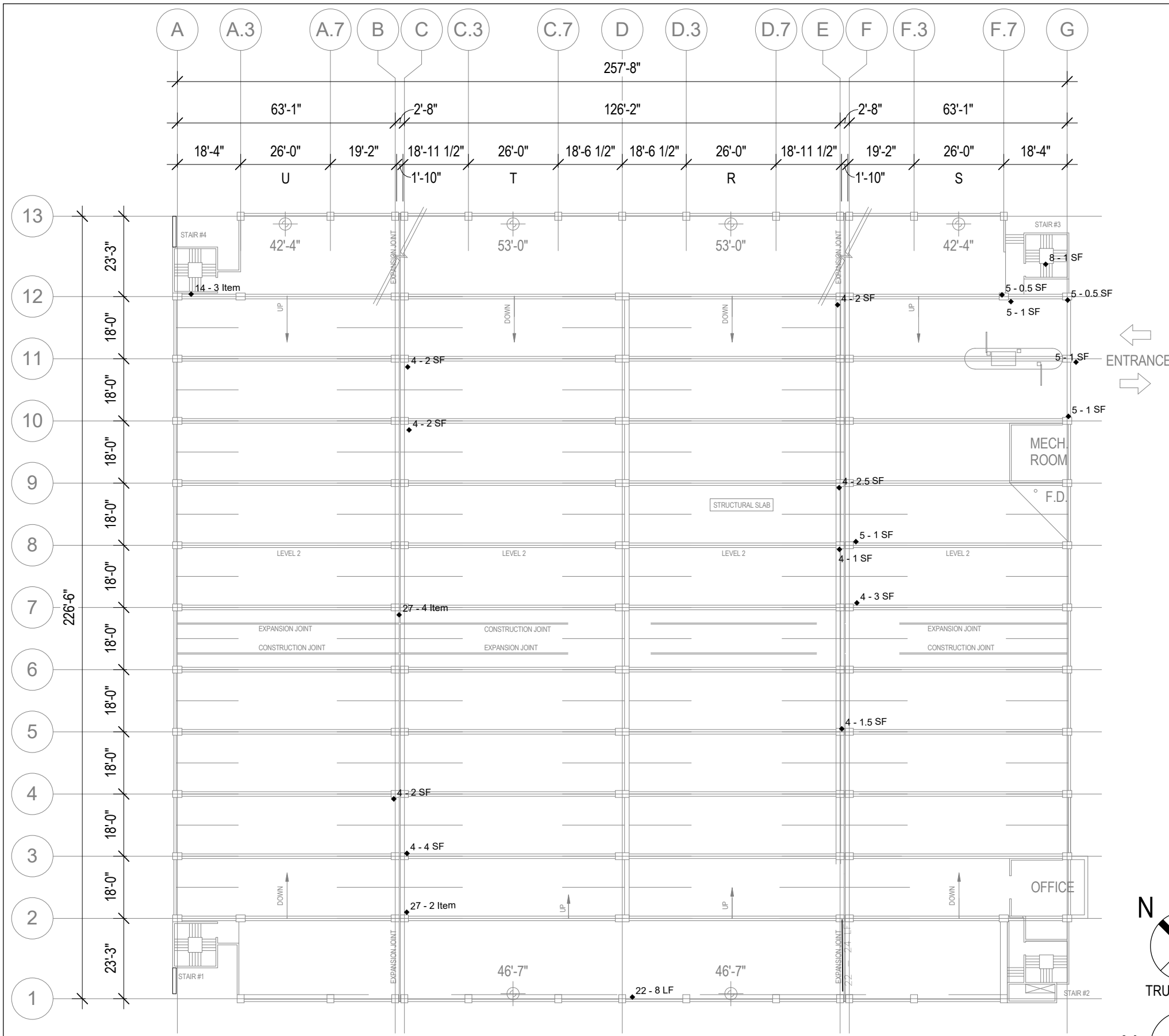
ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:  
PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

SHEET TITLE:  
CAPITOL SQUARE NORTH  
LEVEL 1 PLAN

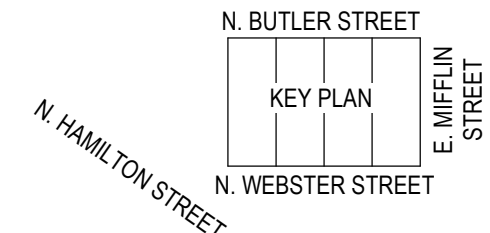
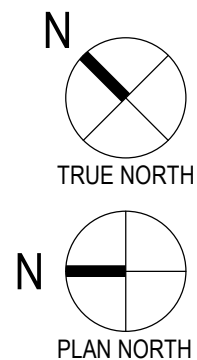
SHEET NUMBER:  
**CN-S101**

2/12/2021 8:52:11 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE MAINTENANCE

ISSUE:

1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

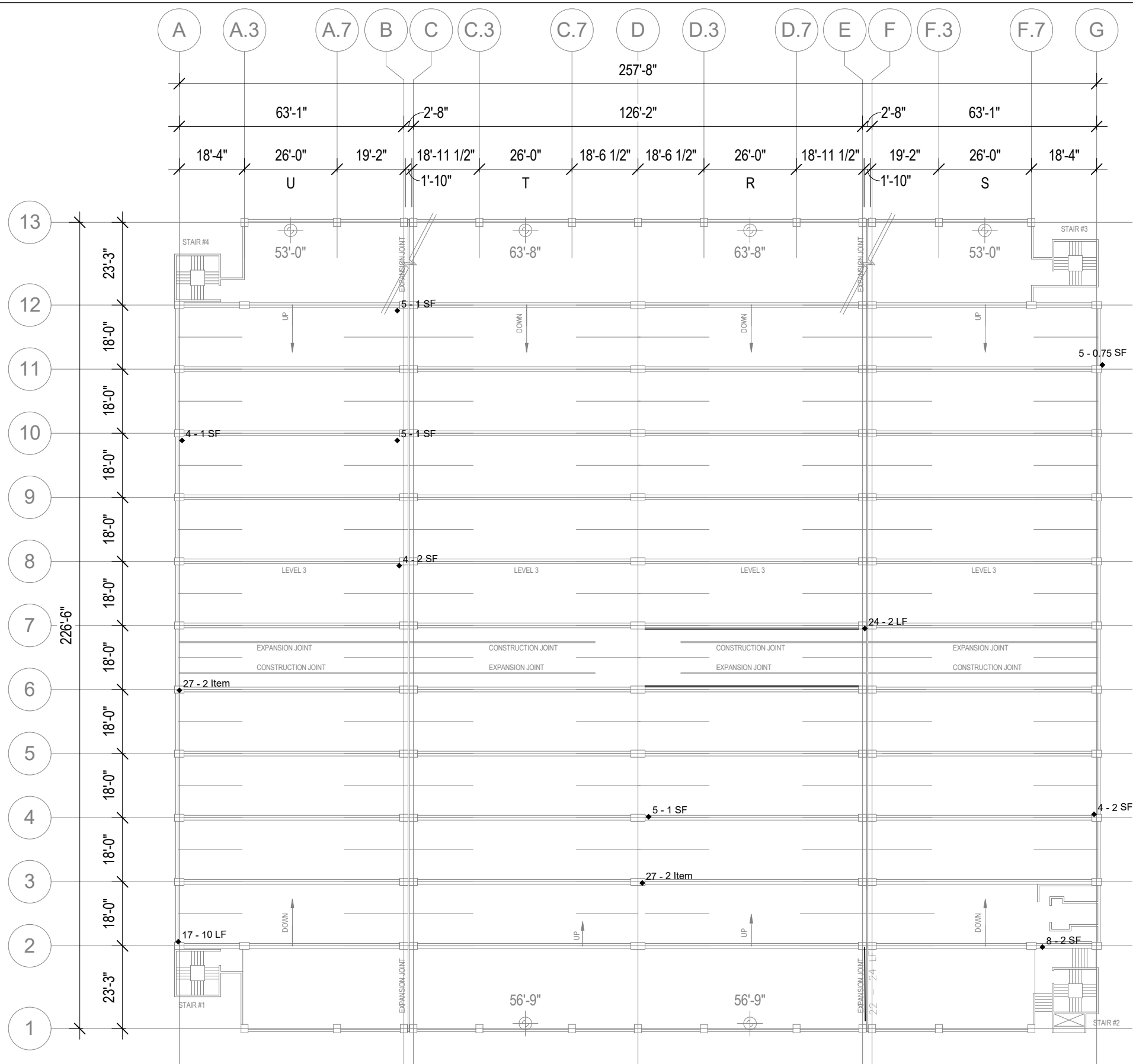
SHEET TITLE:

CAPITOL SQUARE NORTH LEVEL 2 PLAN

SHEET NUMBER:

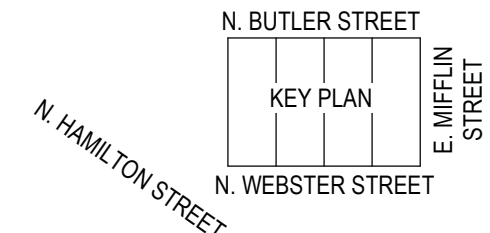
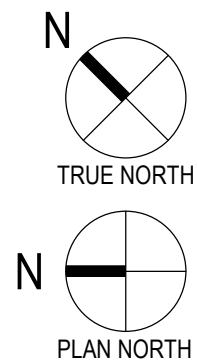
**CN-S102**

2/12/2021 8:52:11 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE MAINTENANCE

ISSUE:

1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

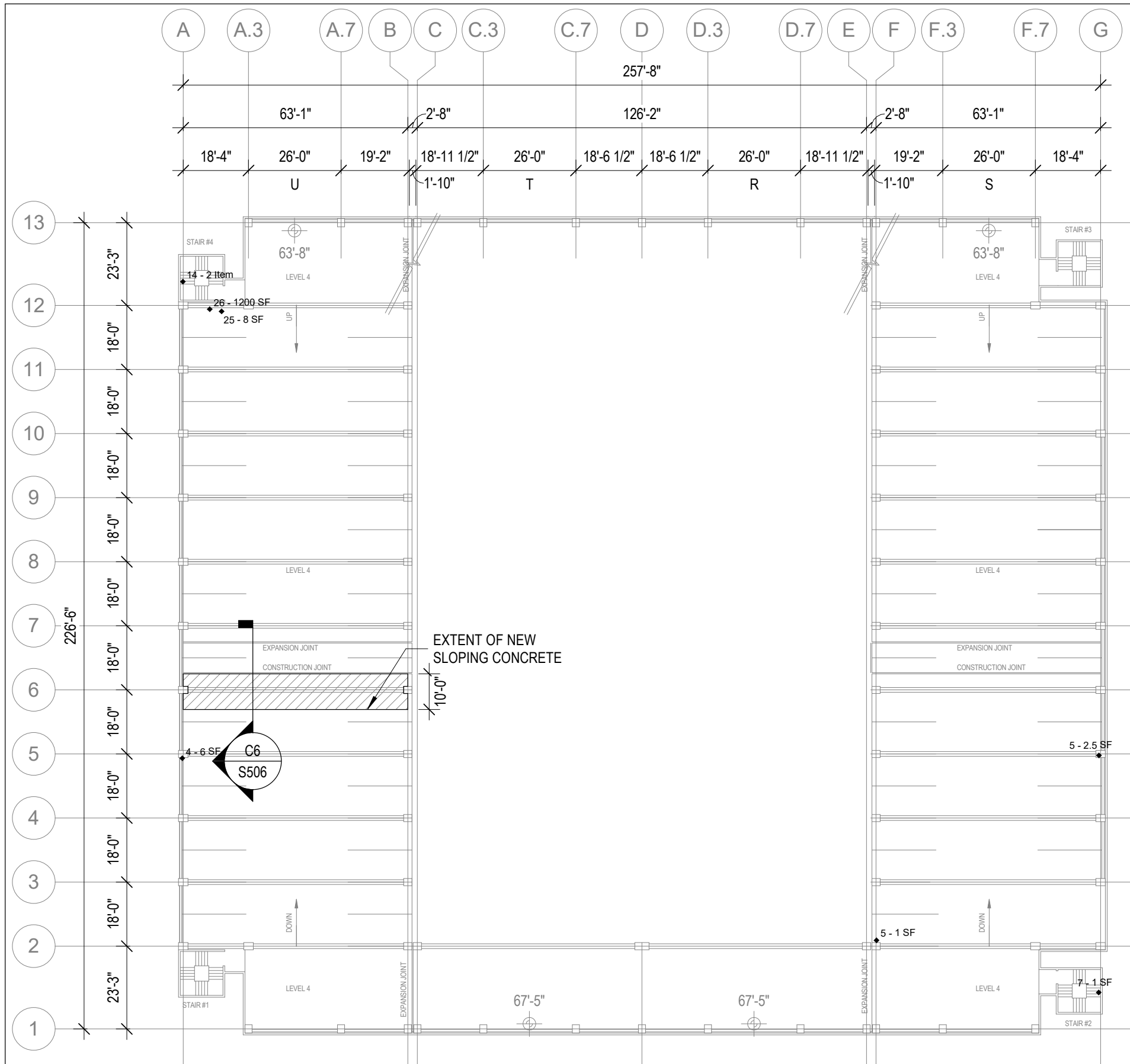
CAPITOL SQUARE NORTH LEVEL 3 PLAN

SHEET NUMBER:

**CN-S103**



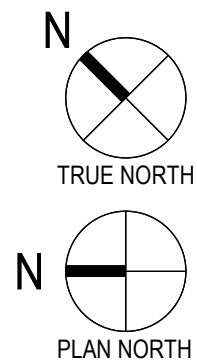
2/12/2021 8:52:12 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

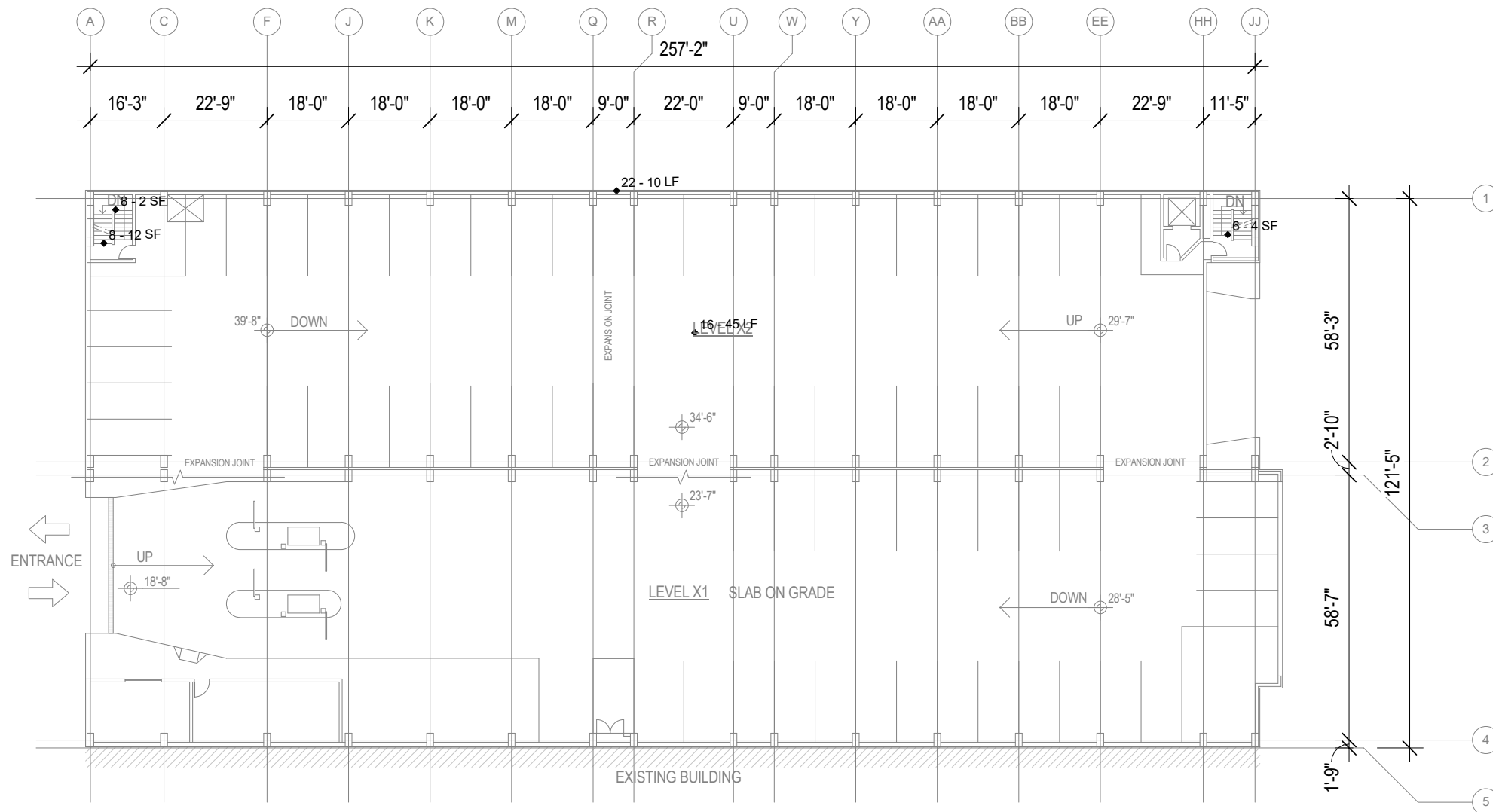
SHEET TITLE:

CAPITOL SQUARE NORTH  
LEVEL 4 PLAN

SHEET NUMBER:

**CN-S104**

2/12/2021 8:52:14 AM



# OVERTURE CENTER (OC) - LEVEL X1/X2

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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

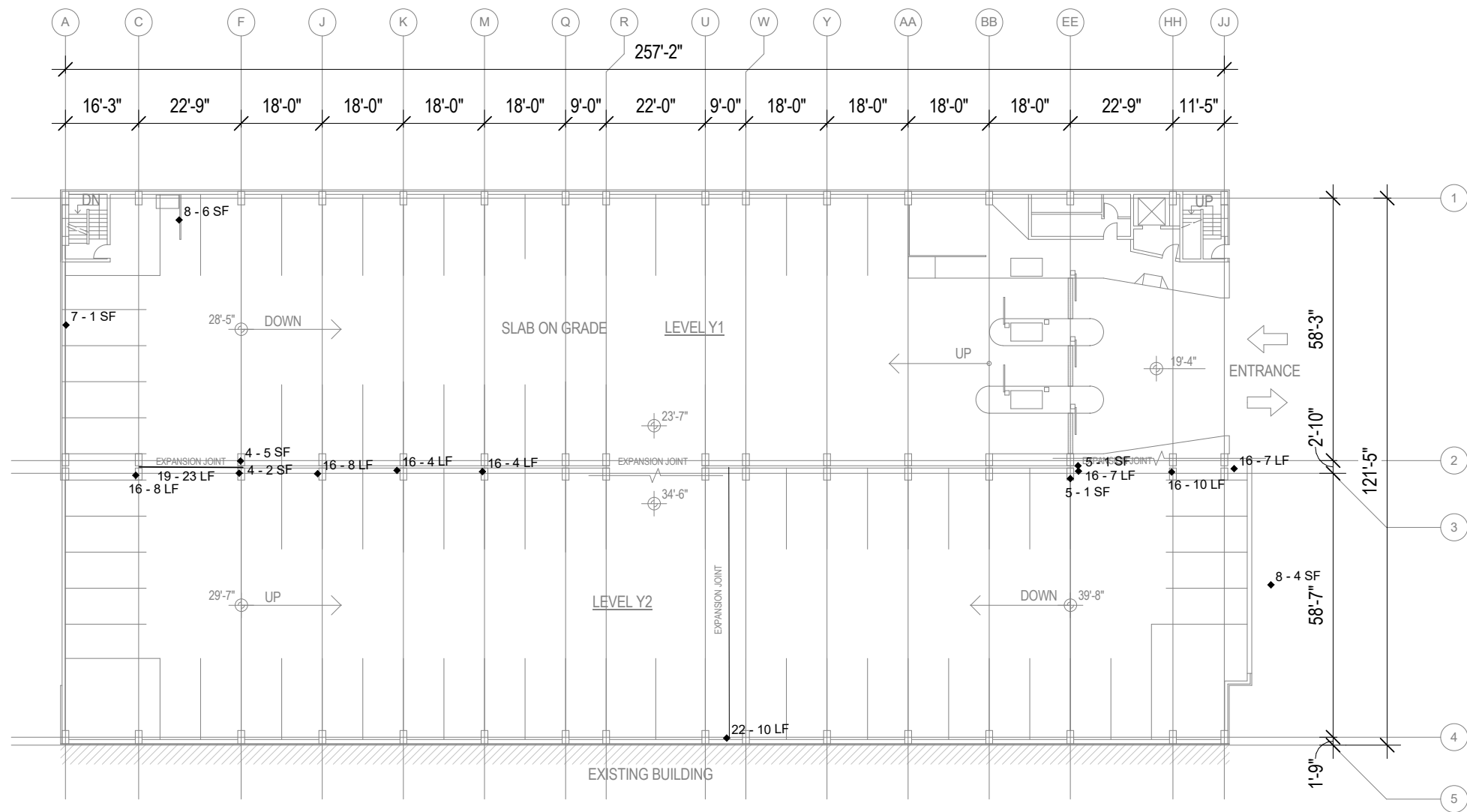
PROJECT INFORMATION:  
PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

SHEET TITLE:  
OVERTURE CENTER LEVEL X1/X2 PLAN

SHEET NUMBER:

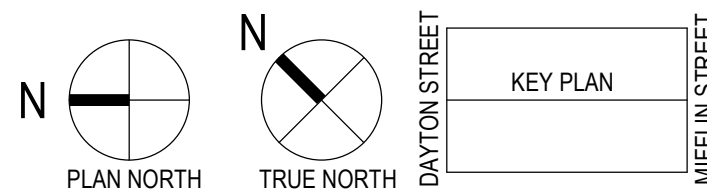
**OC-S101**

2/12/2021 8:52:15 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE  
MAINTENANCE

ISSUE:

1 02/12/2021 BID  
DOCUMENTS

PROJECT  
INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

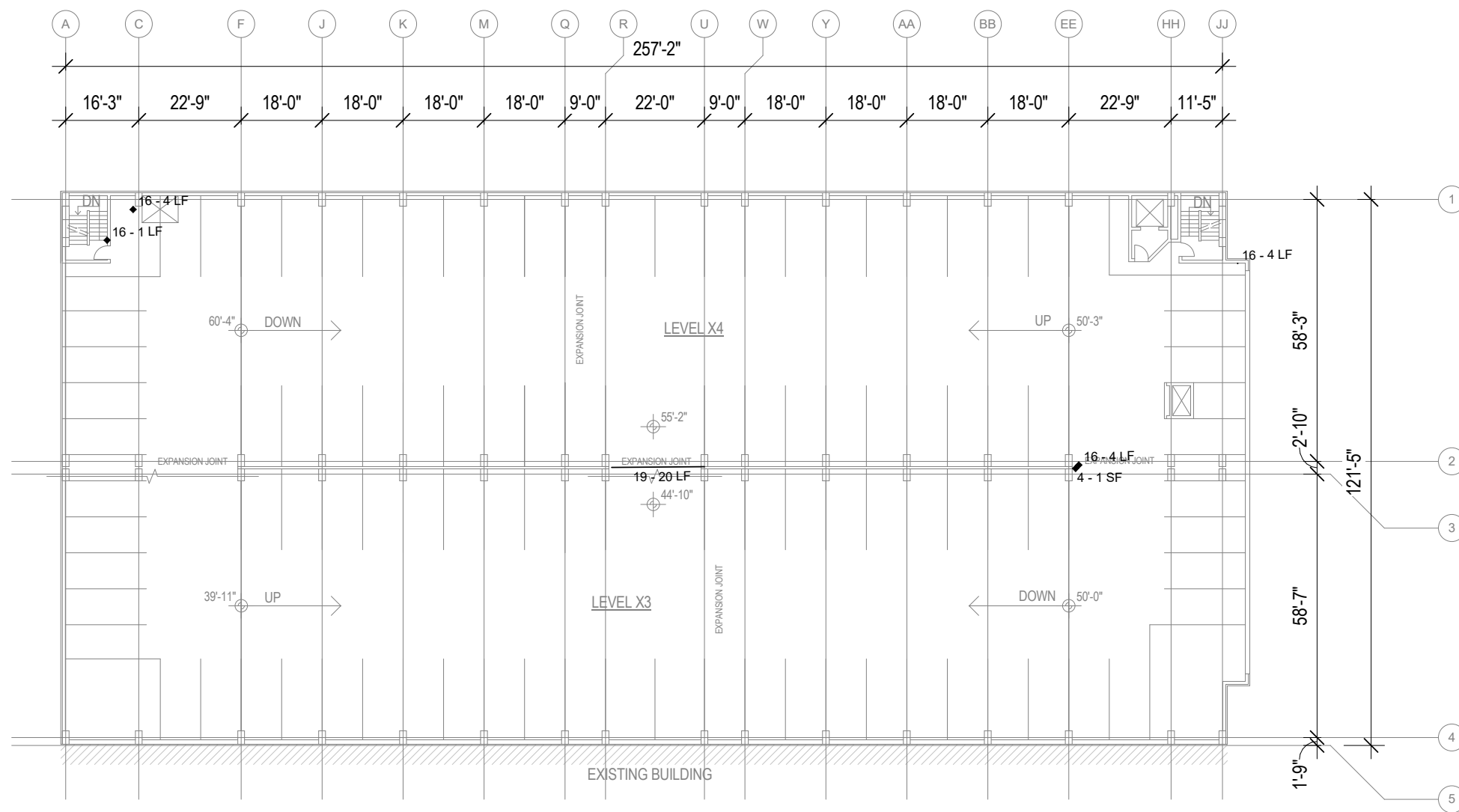
SHEET TITLE:

OVERTURE CENTER LEVEL  
Y1/Y2 PLAN

SHEET NUMBER:

**OC-S102**

2/12/2021 8:52:15 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:

2020 PARKING GARAGE MAINTENANCE

ISSUE:

1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

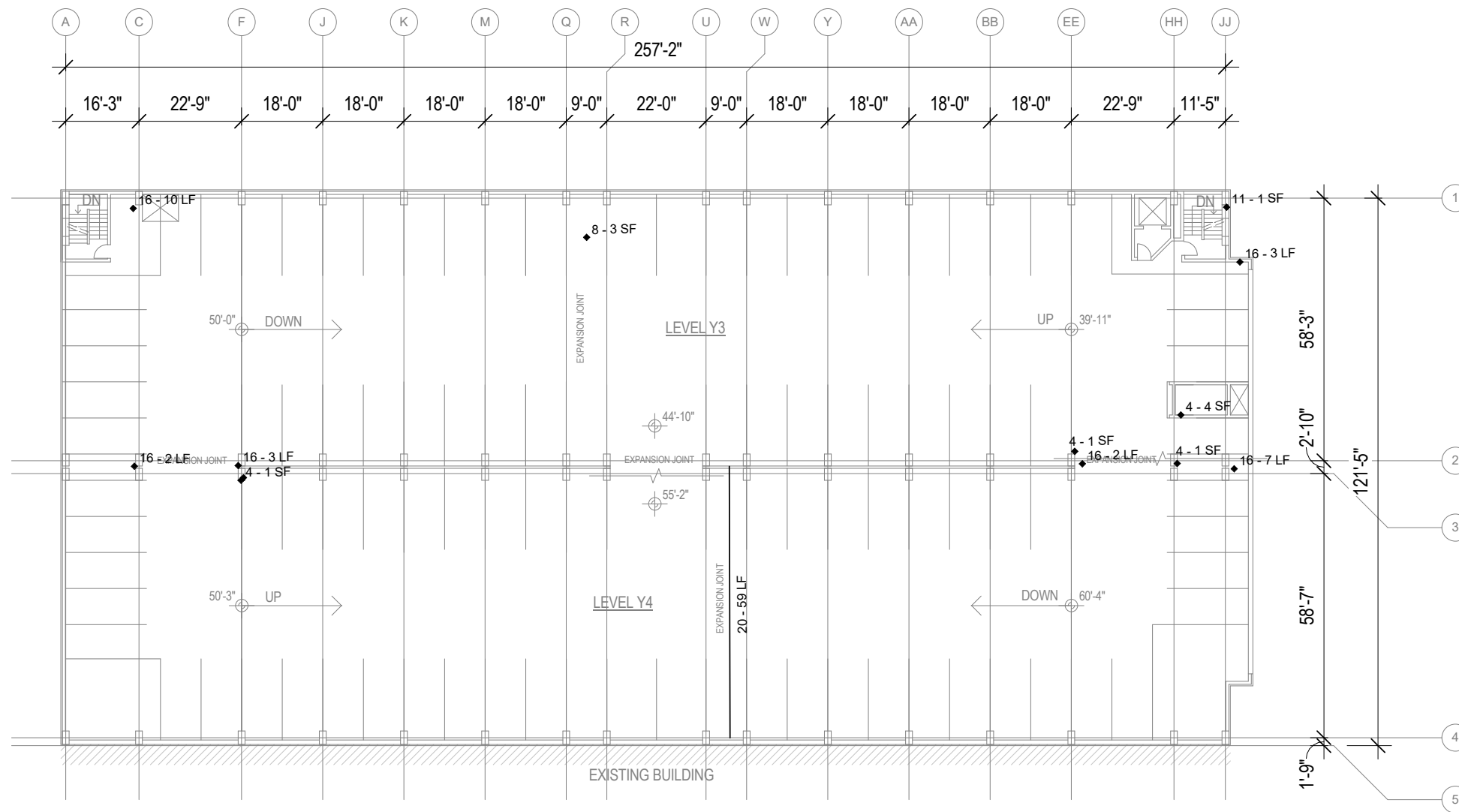
SHEET TITLE:

OVERTURE CENTER LEVEL X3/X4 PLAN

SHEET NUMBER:

**OC-S103**

2/12/2021 8:52:15 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

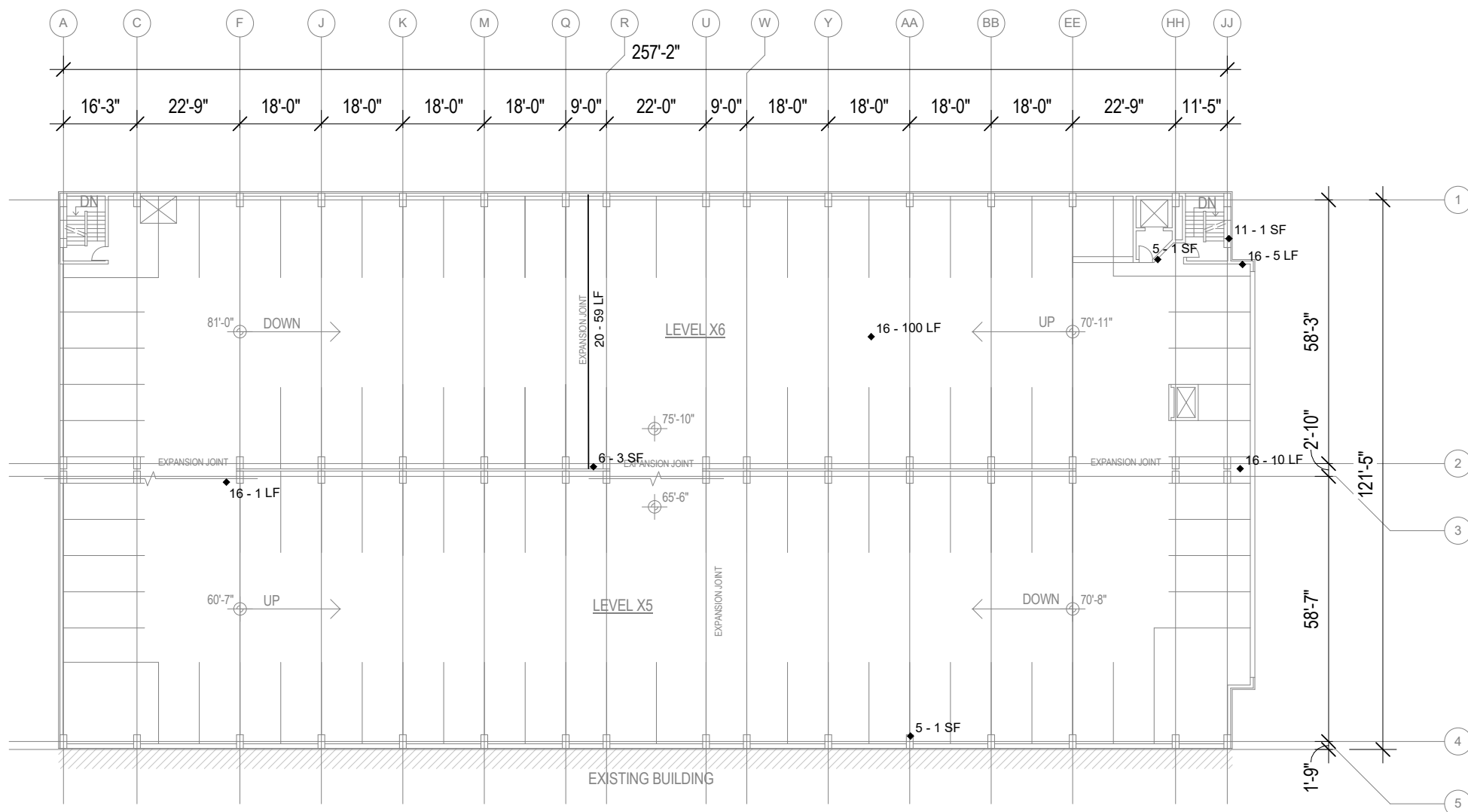
SHEET TITLE:

OVERTURE CENTER LEVEL  
Y3/Y4 PLAN

SHEET NUMBER:

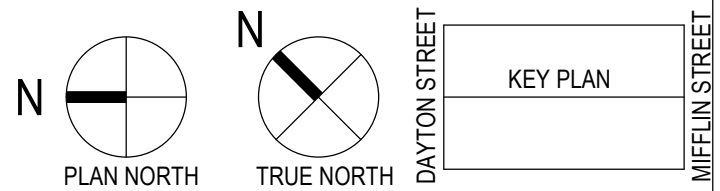
**OC-S104**

2/12/2021 8:52:16 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE MAINTENANCE

ISSUE:  
1 02/12/2021 BID DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

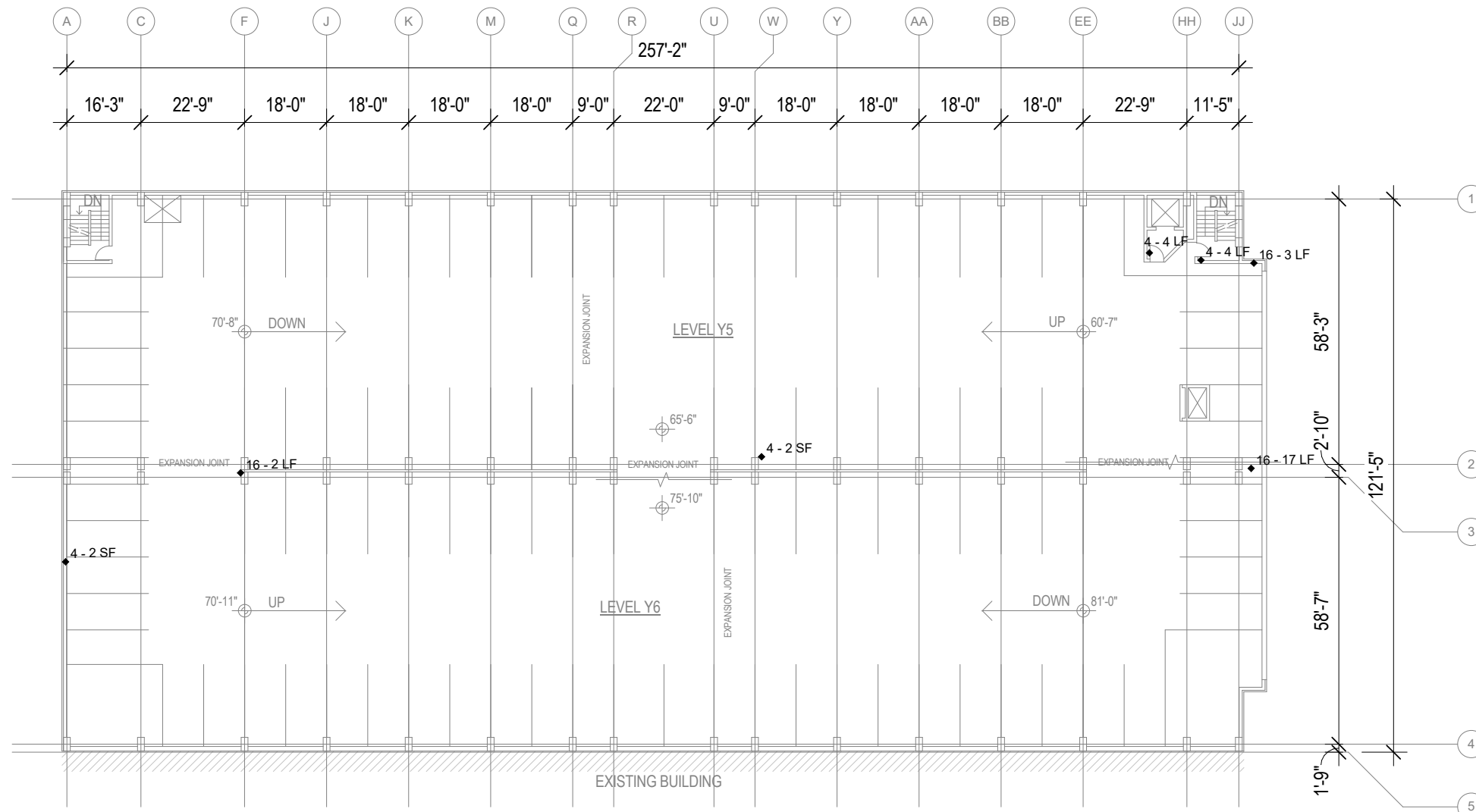
SHEET TITLE:

OVERTURE CENTER LEVEL X5/X6 PLAN

SHEET NUMBER:

**OC-S105**

2/12/2021 8:52:16 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

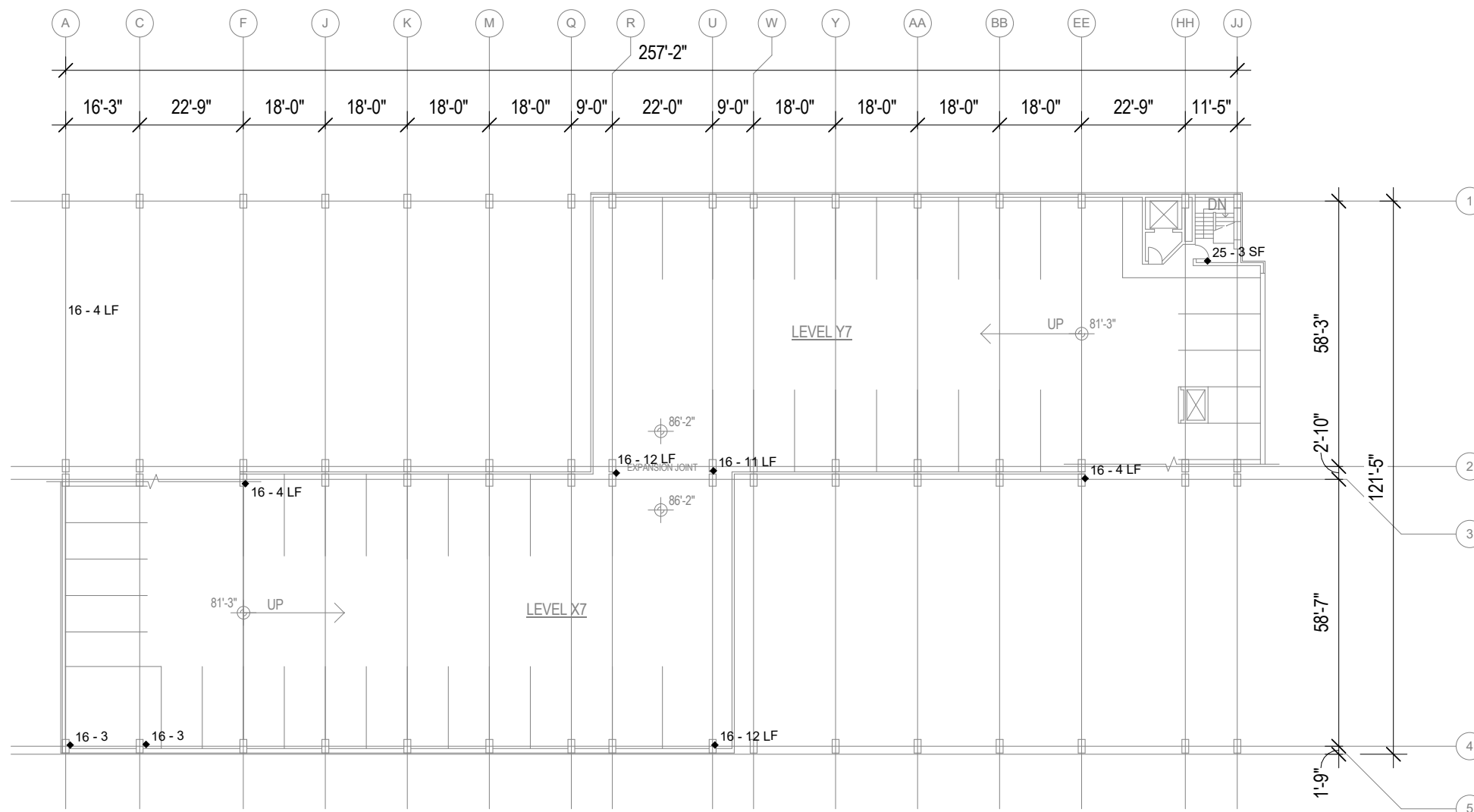
SHEET TITLE:

OVERTURE CENTER LEVEL  
Y5/Y6 PLAN

SHEET NUMBER:

**OC-S106**

2/12/2021 8:52:17 AM



# 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	FULL SYSTEM MEMBRANE REMOVAL AND REPLACEMENT	N/A
4	CONCRETE VERTICAL SURFACE REPAIR WITH GALVANIC ANODES	C5 / S503 D5 / S503 B4 / S502
5	CONCRETE VERTICAL SURFACE REPAIR	C5 / S503 D5 / S503 B4 / S502
6	TOPSIDE SURFACE SPALL REPAIR WITH GALVANIC ANODES	A5 / S502
7	TOPSIDE SURFACE SPALL REPAIR	A5 / S502
8	OVERHEAD SURFACE SPALL REPAIR WITH GALVANIC ANODES	B5 / S502
9	OVERHEAD SURFACE SPALL REPAIR	B5 / S502
10	STAIR SPALL REPAIR WITH GALVANIC ANODES	A6 / S504
11	STAIR SPALL REPAIR	A6 / S504
12	OVERHEAD CONCRETE JOIST SPALL REPAIR WITH GALVANIC ANODES	A5 / S505
13	OVERHEAD CONCRETE JOIST SPALL REPAIR	A5 / S505
14	RE-ANCHOR STAIR TREAD	N/A
15	EPOXY INJECTION	N/A
16	CONCRETE SLAB CRACK REPAIR	B5 / S504
17	CMU CRACK/MORTAR JOINT REPAIR	N/A
18	EXPANSION JOINT REPLACEMENT - WING JOINT	B6 / S504
19	REPLACE 4" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
20	REPLACE 8" POLYURETHANE SEAL JOINT WITH WING JOINT	B6 / S504 C5 / S504
21	STEEL CLEANING/PAINTING	N/A
22	REMOVE AND REPLACE EXISTING SEALANT	N/A
23	PRECAST SHEAR CONNECTOR REPAIR	C6 / S505
24	CLEAN AND PAINT EXPOSED STEEL REINFORCING	N/A
25	BRICK MASONRY REPAIR	N/A
26	BRICK MASONRY SEALING (CSN)	N/A
27	ANCHOR REPLACEMENT	N/A
28	TAPERED COLUMN REPAIR (SSCO)	A6 / S505
29	WEEP DRAIN REPAIR (SSCO)	B5 / S505
30	LEVEL 2 RESLOPING (SSCO)	N/A
31	PRECAST SHEAR WALL CONNECTION REPLACEMENT (SSF)	B6 / S501
32	SEALANT REMOVAL AND REPLACEMENT WITH SHEAR CONNECTORS (SSF)	N/A
33	EPOXY INJECTION OF TOPPING SLABS (SSCO)	N/A
33	POUR STRIP REPLACEMENT (CSN)	



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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

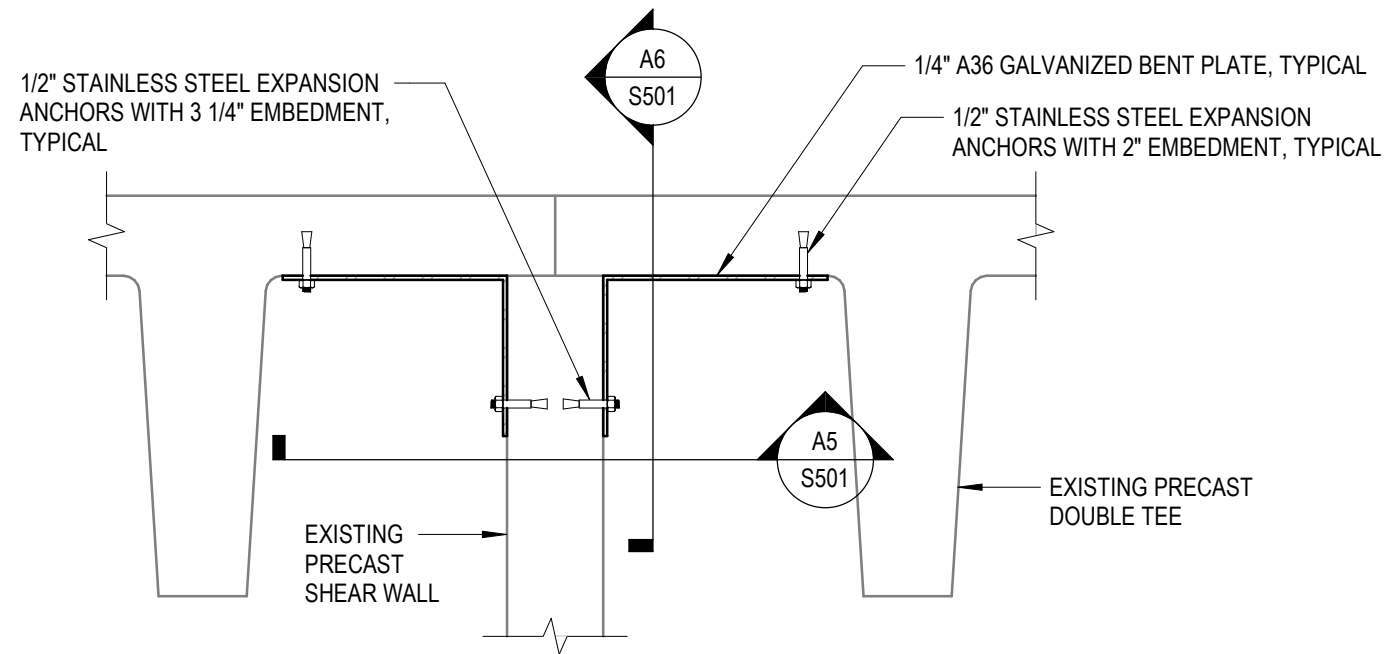
SHEET TITLE:

OVERTURE CENTER LEVEL  
X7/Y7 PLAN

SHEET NUMBER:

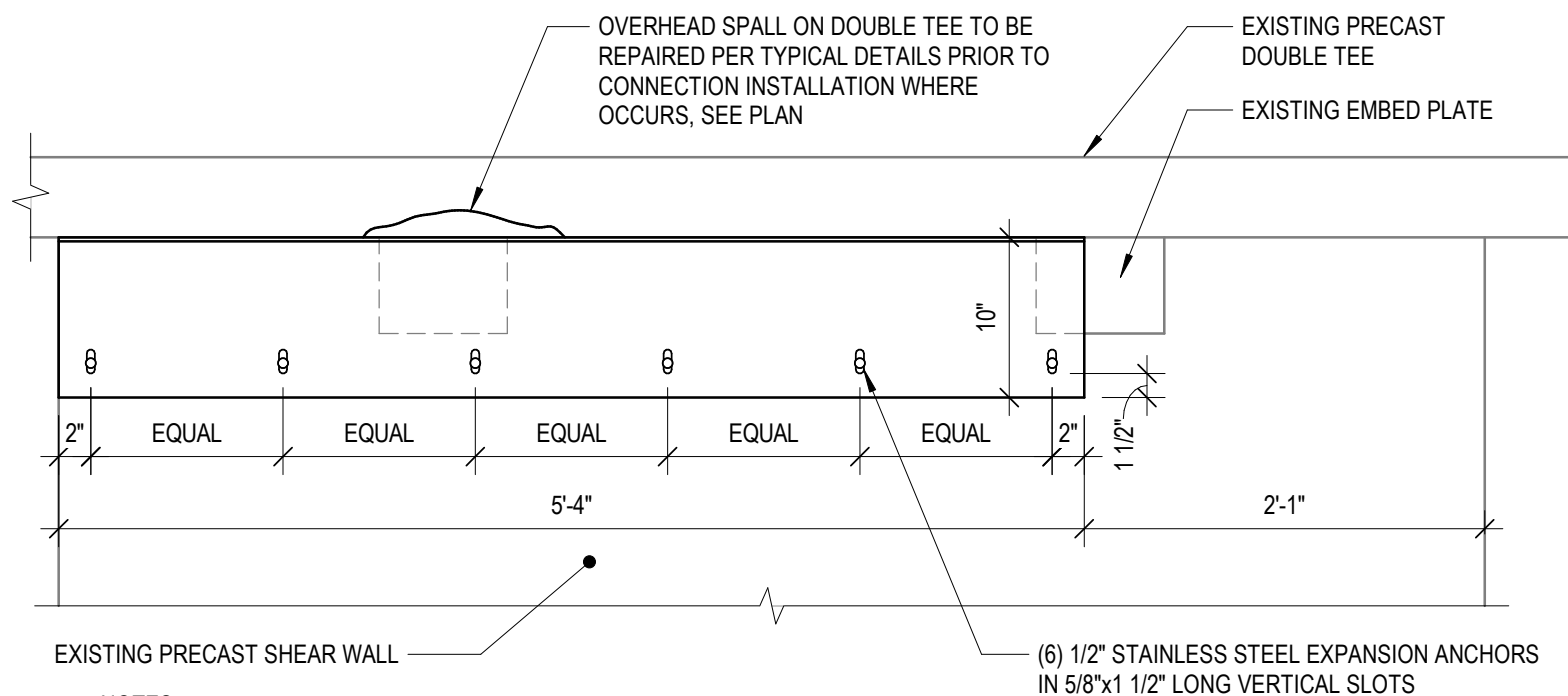
**OC-S107**





### B6 SECTION AT SHEAR WALL

1" = 1'-0"

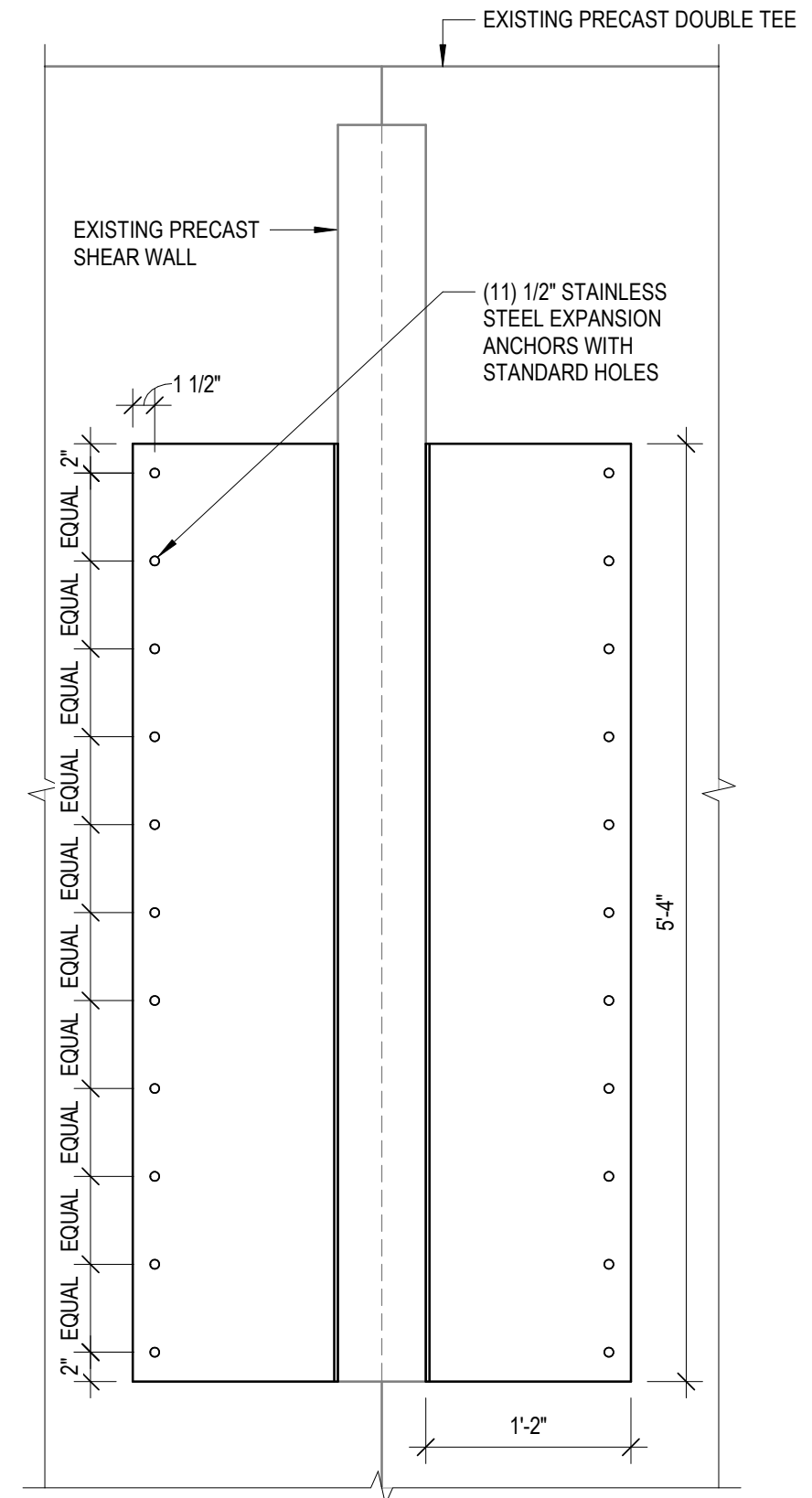


NOTES:

- EXISTING PLATE CONNECTIONS TO BE CUT FREE OF EMBED PLATES IN SHEAR WALL FACE AND UNDERSIDE OF DOUBLE TEE. REMOVE EXISTING CONNECTIONS AND REPLACE WITH NEW BENT PLATE CONNECTION ONE FACE OF THE SHEAR WALL AT A TIME.

### A6 PARTIAL SHEAR WALL ELEVATION

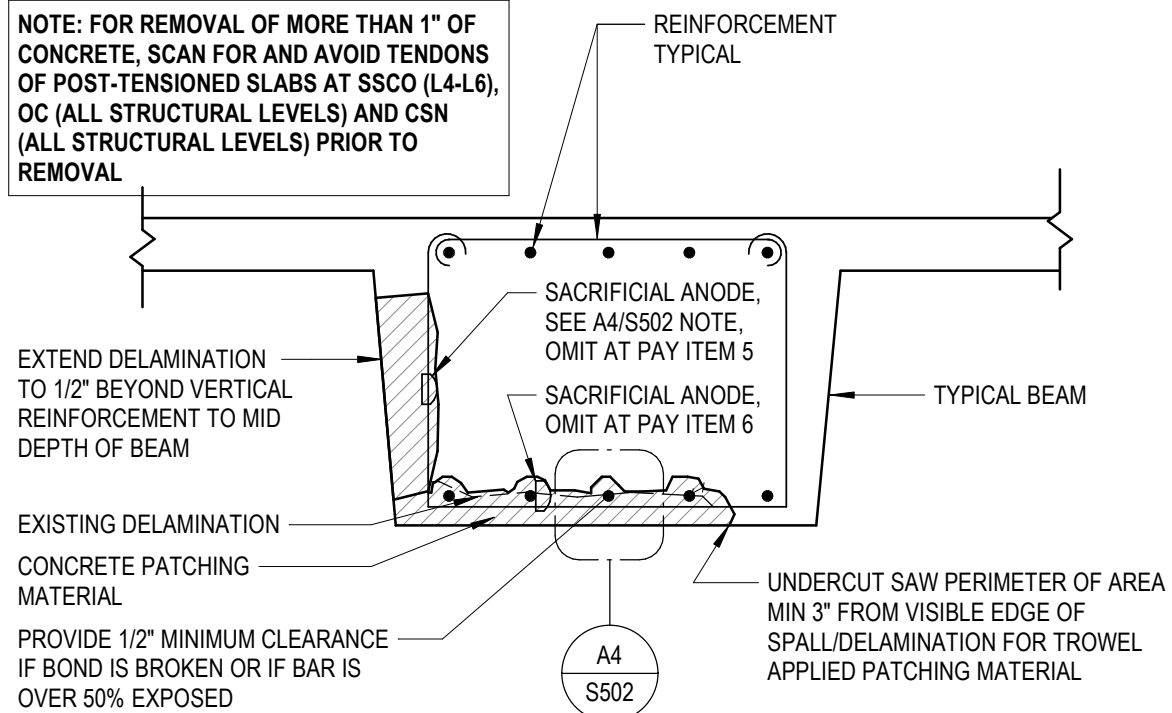
1" = 1'-0"



### A5 OVERHEAD DOUBLE TEE CONNECTION

1" = 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) AND CSN (ALL STRUCTURAL LEVELS) PRIOR TO REMOVAL

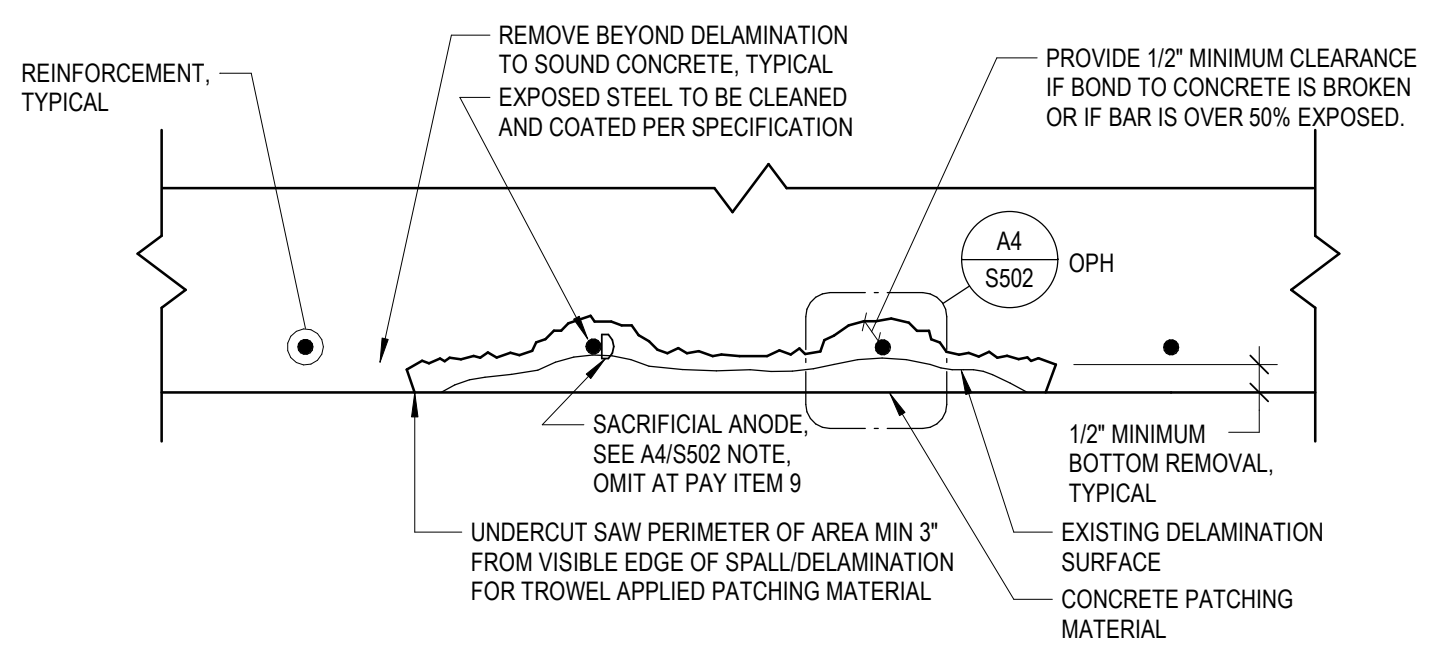


B4

### TYPICAL BEAM SPALL REPAIR

3/4" = 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) AND CSN (ALL STRUCTURAL LEVELS) PRIOR TO REMOVAL

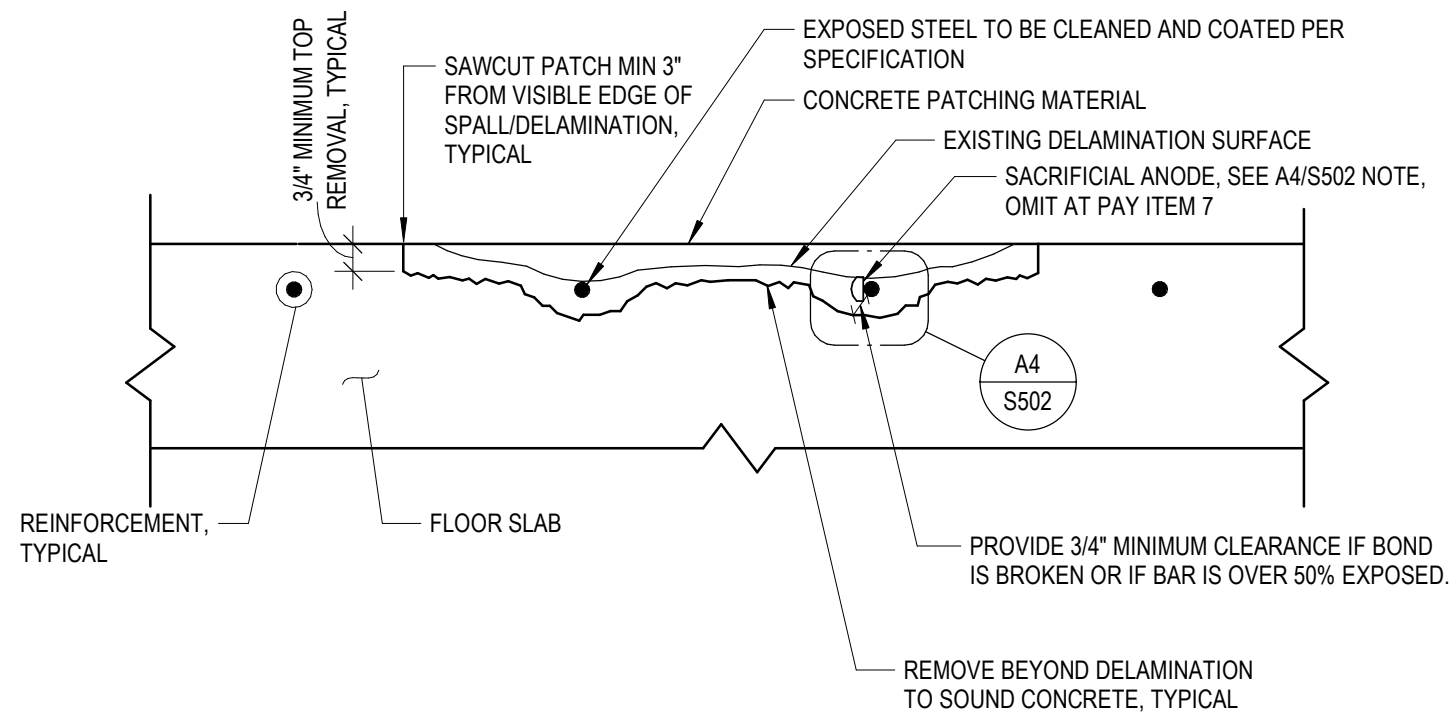


B5

### TYPICAL OVERHEAD SPALL REPAIR

1 1/2" = 1'-0"

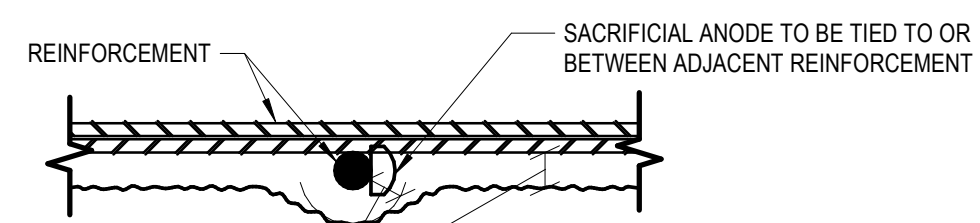
NOTE: FOR REMOVAL OF MORE THAN 1" OF CONCRETE, SCAN FOR AND AVOID TENDONS OF POST-TENSIONED SLABS AT SSCO (L4-L6), OC (ALL STRUCTURAL LEVELS) AND CSN (ALL STRUCTURAL LEVELS) PRIOR TO REMOVAL



A5

### TYPICAL TOPSIDE SPALL REPAIR

1 1/2" = 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.

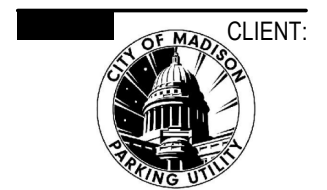
A4

### TYPICAL REBAR/STRAND CLEARANCE

3" = 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:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:  
PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

SHEET TITLE:  
DETAILS

SHEET NUMBER:

S502

2/12/2021 8:52:18 AM



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

PROJECT TITLE:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT  
INFORMATION:

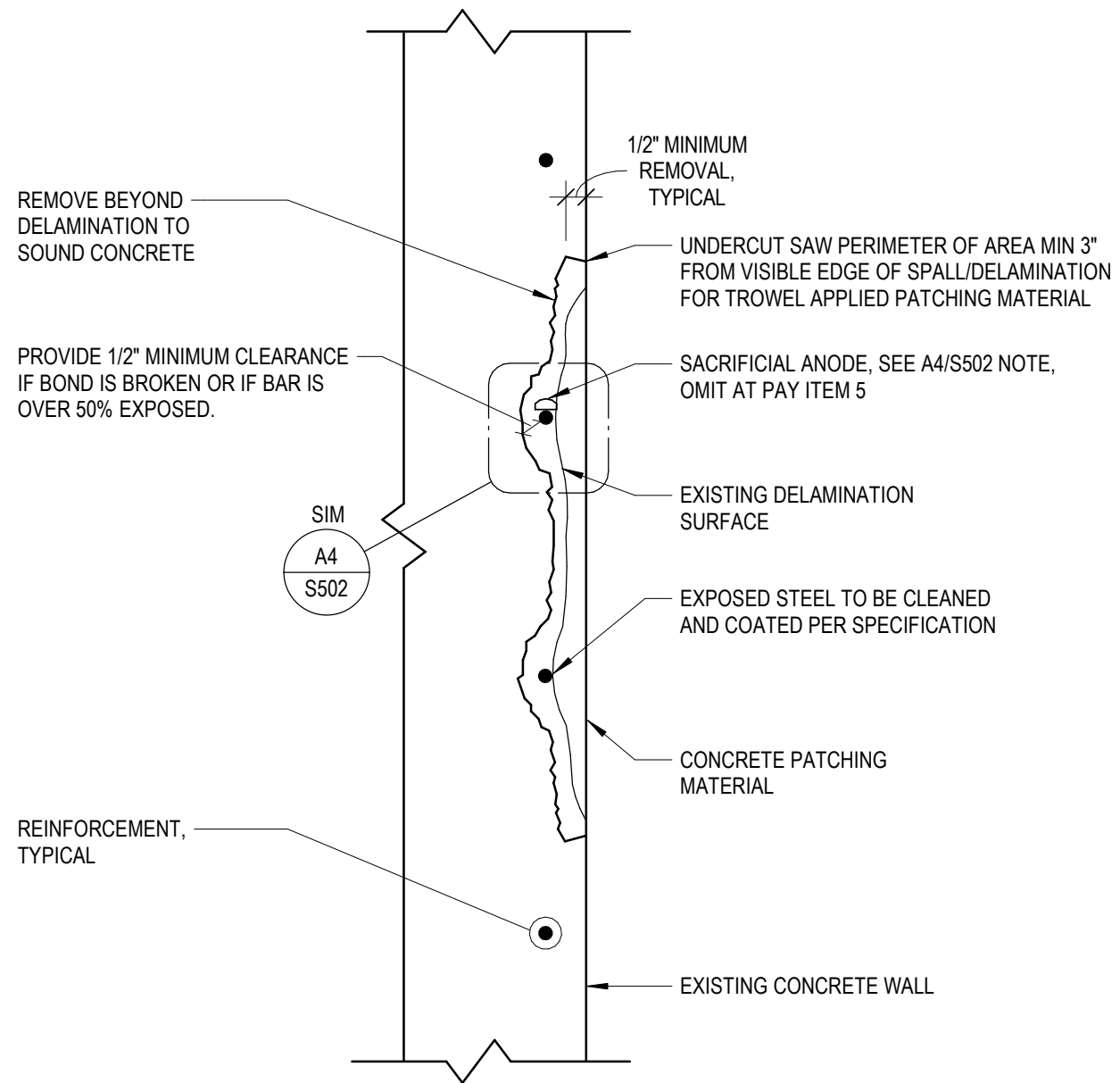
PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

SHEET TITLE:

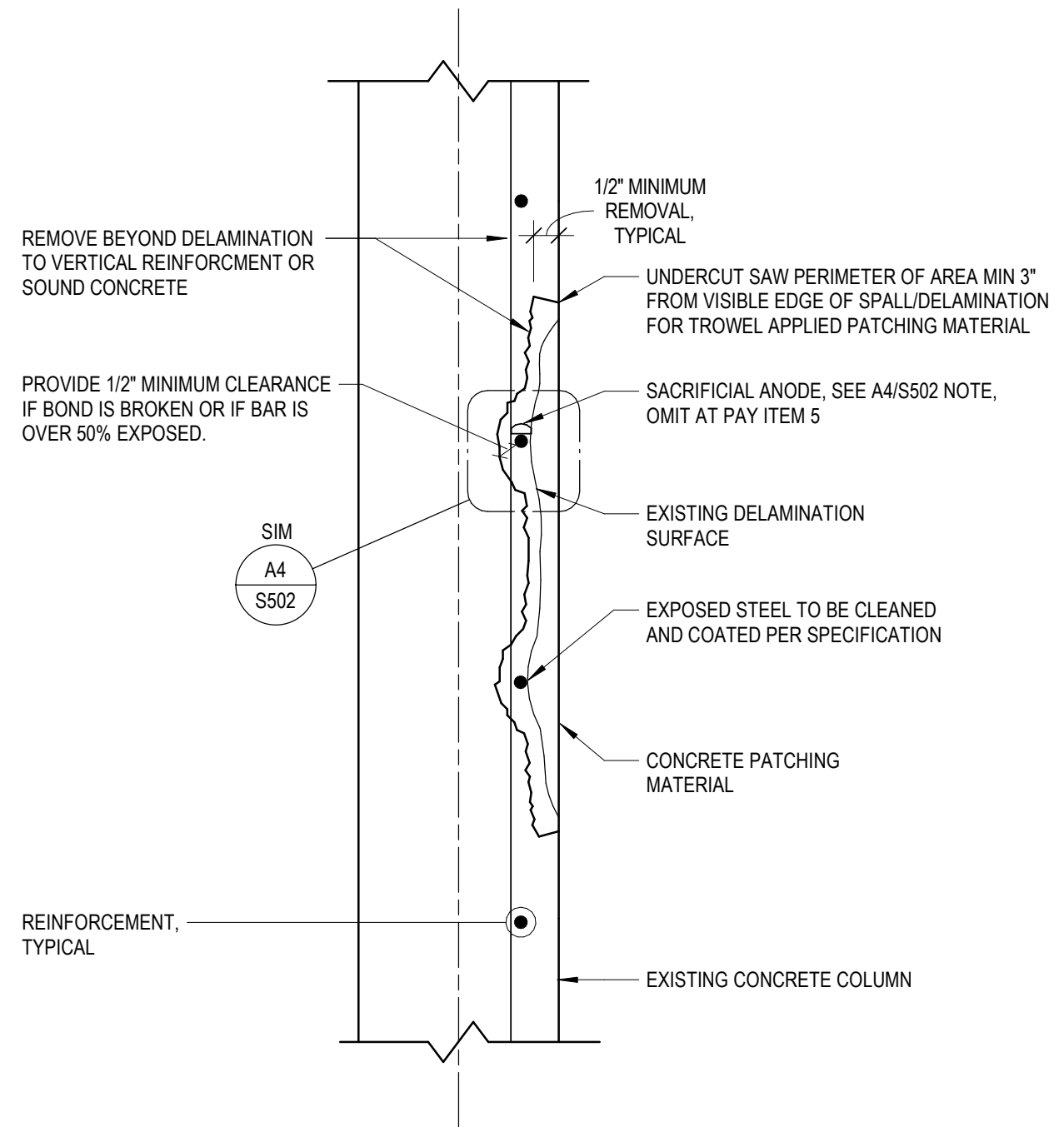
DETAILS

SHEET NUMBER:

## S503

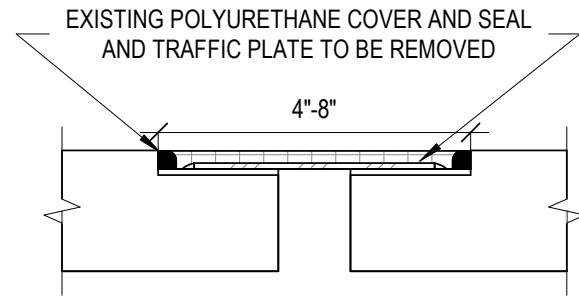


**C5** TYPICAL CONCRETE WALL SPALL REPAIR  
1 1/2" = 1'-0"

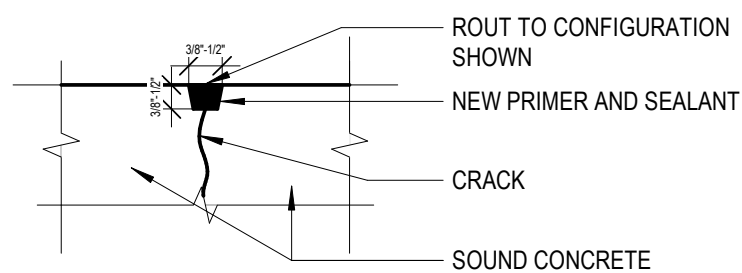


**D5** TYPICAL COLUMN SPALL REPAIR  
1 1/2" = 1'-0"

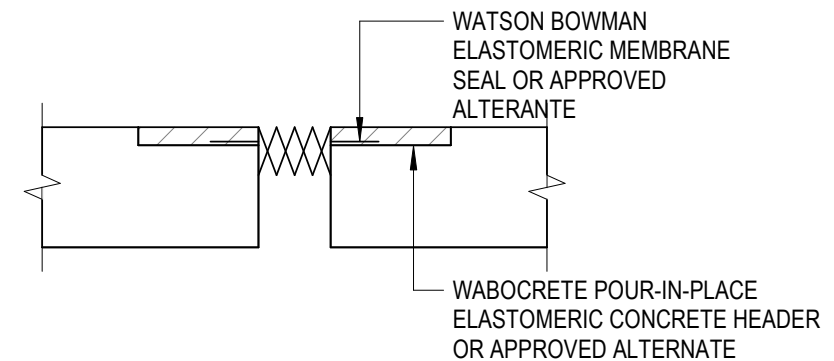
2/12/2021 8:52:18 AM



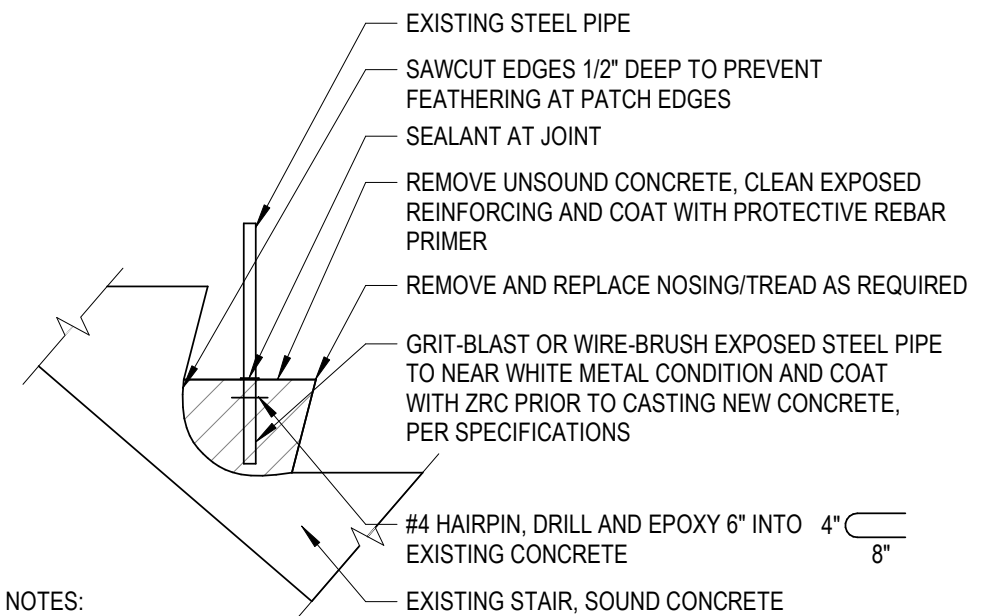
**C5** EXISTING POLYURETHANE SEAL EXPANSION JOINT  
NTS



**B5** ROUTE AND SEAL DETAIL  
NTS



**B6** WING JOINT  
NTS



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

**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:

2020 PARKING GARAGE  
MAINTENANCE

ISSUE:

1 02/12/2021 BID  
DOCUMENTS

PROJECT  
INFORMATION:

PROJECT NUMBER: 20205012

DATE: 02/12/2021

DRAWN BY: JJJ

CHECKED BY: AMG

APPROVED BY: DFW

SCALE: AS NOTED

SHEET TITLE:

DETAILS

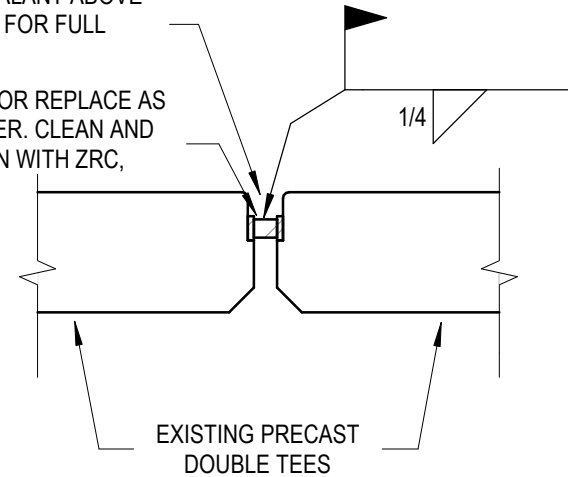
SHEET NUMBER:

**S504**



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

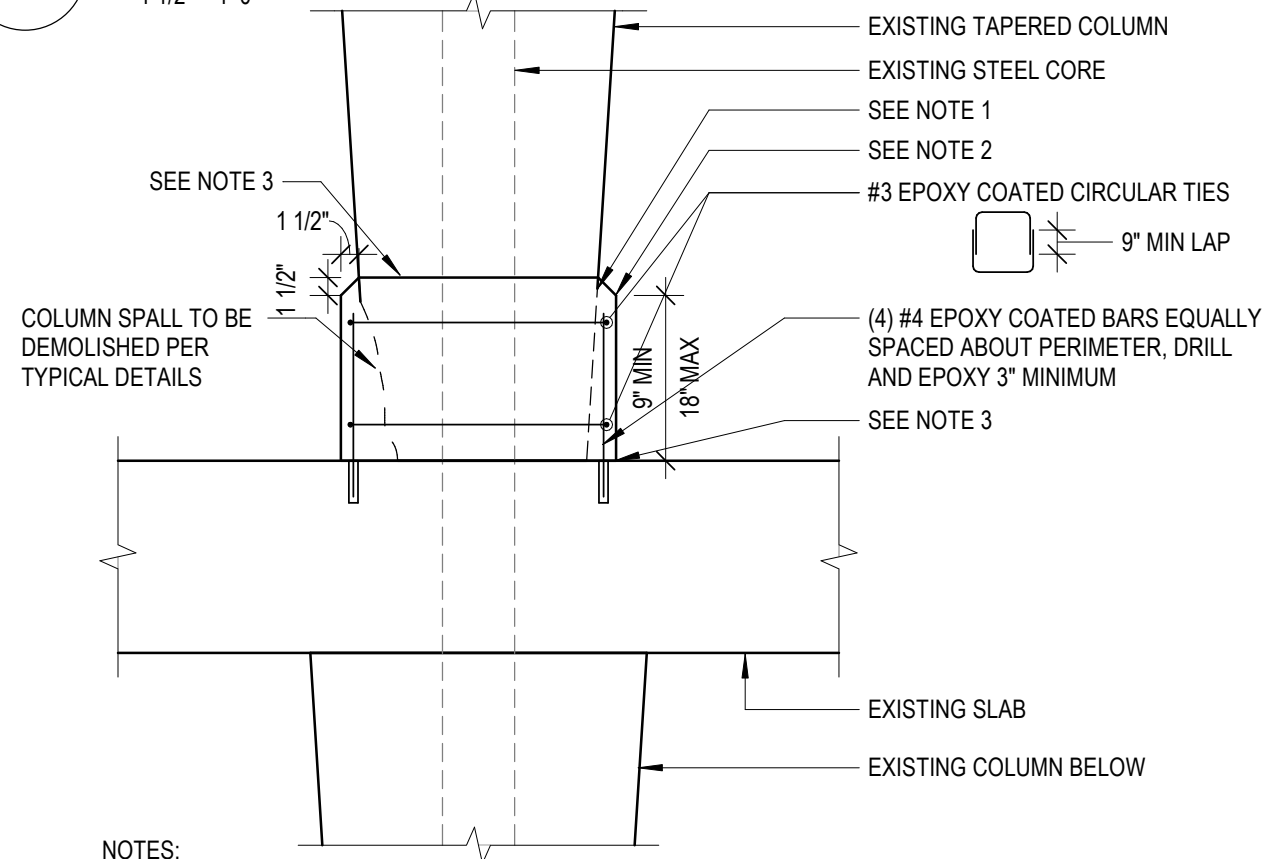
RE-WELD EXISTING PLATE OR REPLACE AS  
DIRECTED BY THE ENGINEER. CLEAN AND  
PAINT ENTIRE CONNECTION WITH ZRC,  
TOP AND BOTTOM



### C6 PRECAST SHEAR CONNECTION REPAIR (SSF)

C6

1 1/2" = 1'-0"



NOTES:

1. SCARIFY ALL SURFACES OF NON-SPALLED CONCRETE
2. EXTEND WIDENED SECTION MINIMUM OF 1 1/2" ABOVE LIMITS OF CONCRETE DEMOLITION
3. APPLY POLYURETHANE SEALANT AT COLD JOINT BETWEEN WIDENED SECTION AND EXISTING COLUMN/SLAB
4. ENTIRE COLUMN TO BE REPAINTED YELLOW TO MATCH EXISTING

A6

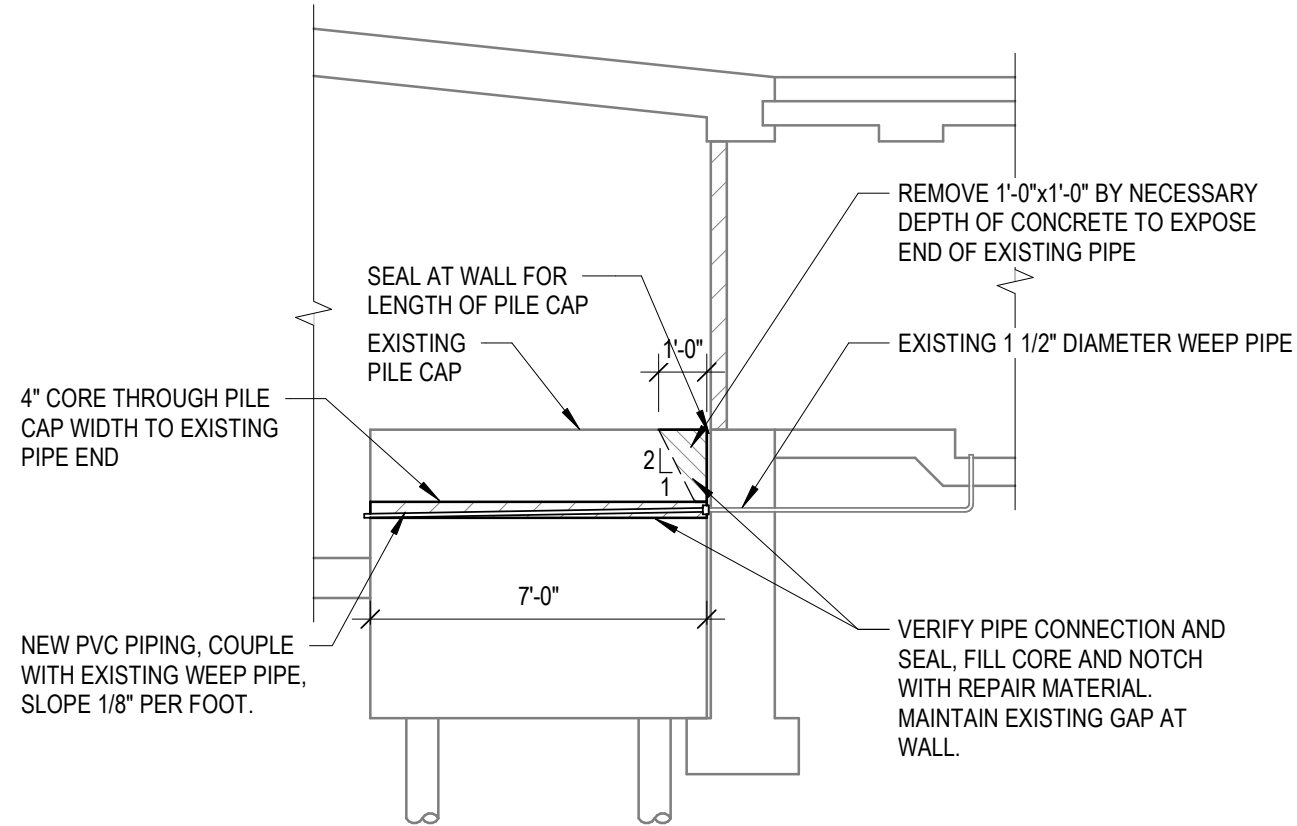
### TAPERED COLUMN SPALL REPAIR

3/4" = 1'-0"

### B5 SECTION THROUGH AREA WELL AT WEEP

B5

1/4" = 1'-0"



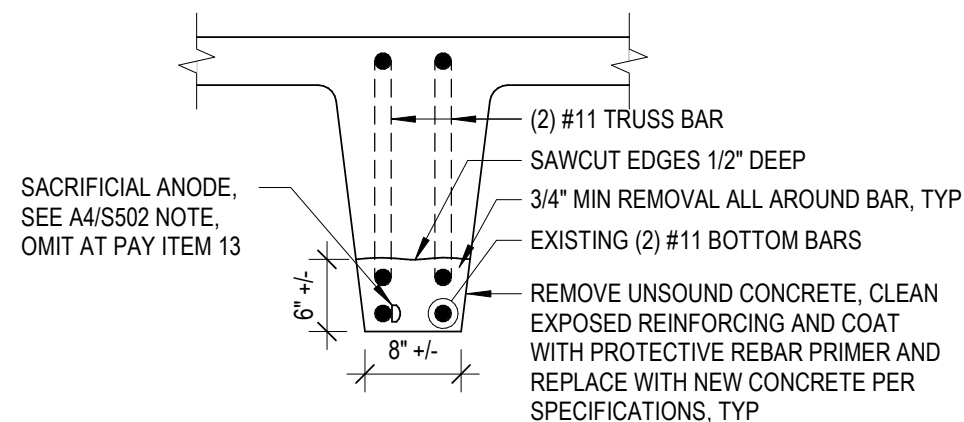
NEW PVC PIPING, COUPLE  
WITH EXISTING WEEP PIPE,  
SLOPE 1/8" PER FOOT.

VERIFY PIPE CONNECTION AND  
SEAL, FILL CORE AND NOTCH  
WITH REPAIR MATERIAL.  
MAINTAIN EXISTING GAP AT  
WALL.

### A5 BOTTOM OF JOIST REPAIR

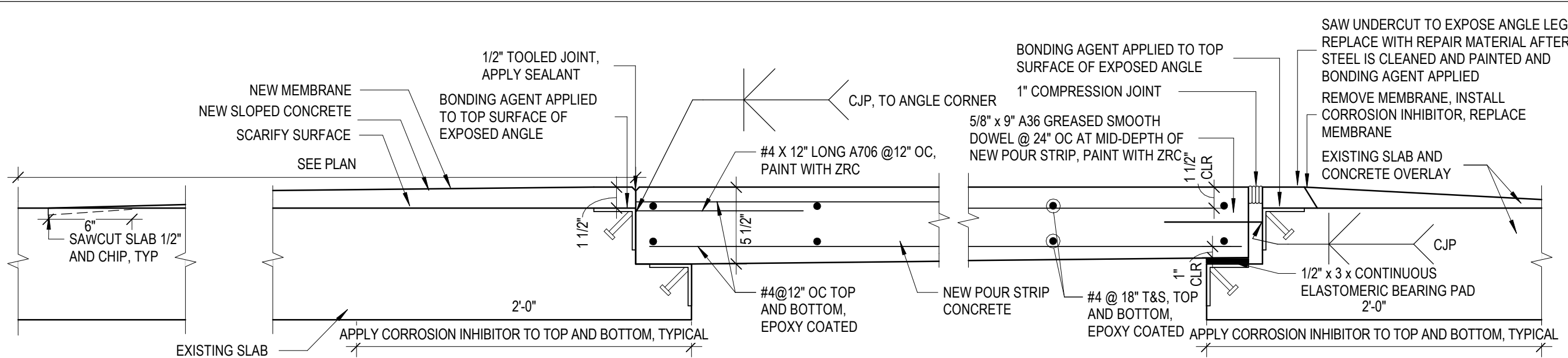
A5

3/4" = 1'-0"



SACRIFICIAL ANODE,  
SEE A4/S502 NOTE,  
OMIT AT PAY ITEM 13

(2) #11 TRUSS BAR  
SAWCUT EDGES 1/2" DEEP  
3/4" MIN REMOVAL ALL AROUND BAR, TYP  
EXISTING (2) #11 BOTTOM BARS  
REMOVE UNSOUND CONCRETE, CLEAN  
EXPOSED REINFORCING AND COAT  
WITH PROTECTIVE REBAR PRIMER AND  
REPLACE WITH NEW CONCRETE PER  
SPECIFICATIONS, TYP



REPAIR SEQUENCE: ALL ITEMS TO BE PAID AS INCLUDED IN LUMP SUM FOR POUR STRIP REPLACEMENT

1. DEMO EXISTING POUR STRIP
2. CLEAN EXPOSED EMBEDDED STEEL TO WHITE METAL
3. WELD STEEL BARS PER DETAIL
4. COAT ALL EXPOSED STEEL WITH ZRC COLD-GALVANIZING PAINT
5. FORM AND CAST NEW POUR STRIP
6. APPLY CORROSION INHIBITOR TO TOP AND BOTTOM OF EXISTING CONCRETE FOR 2'-0" FROM EDGE OF POST-TENSIONED SLABS
7. APPLY BONDING AGENT TO TOPSIDE ANGLE LEGS
8. PLACE NEW SLOPED CONCRETE
9. SEAL
10. INSTALL NEW COMPRESSION JOINT
11. APPLY MEMBRANE TO EXPOSED CONCRETE

C6

# POUR STRIP REPLACEMENT (CSN)

1 1/2" = 1'-0"



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



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

PROJECT TITLE:  
2020 PARKING GARAGE  
MAINTENANCE

ISSUE:  
1 02/12/2021 BID  
DOCUMENTS

PROJECT INFORMATION:  
PROJECT NUMBER: 20205012  
DATE: 02/12/2021  
DRAWN BY: JJJ  
CHECKED BY: AMG  
APPROVED BY: DFW  
SCALE: AS NOTED

SHEET TITLE:  
DETAILS

SHEET NUMBER:  
**S506**

3/18/2021 10:09:49 AM