

RENAISSANCE PLACE PARKING GARAGE 2021 PARKING FACILITY REPAIRS

PROJECT NO. RPPG 21-0603

ENGINEER

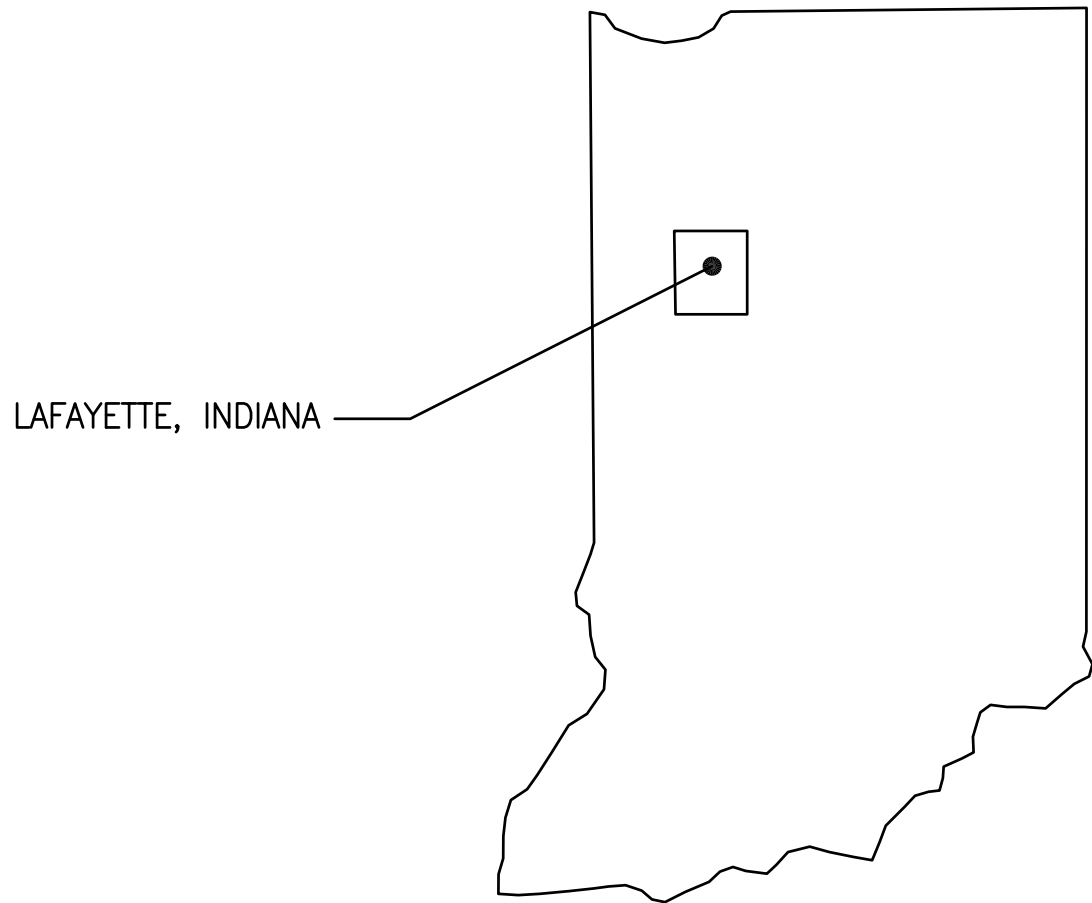
ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9470 317/594-9590 FAX

OWNER

RP PARKING FACILITY, LLC

215 E. FERRY ST.
LAFAYETTE, IN 47906



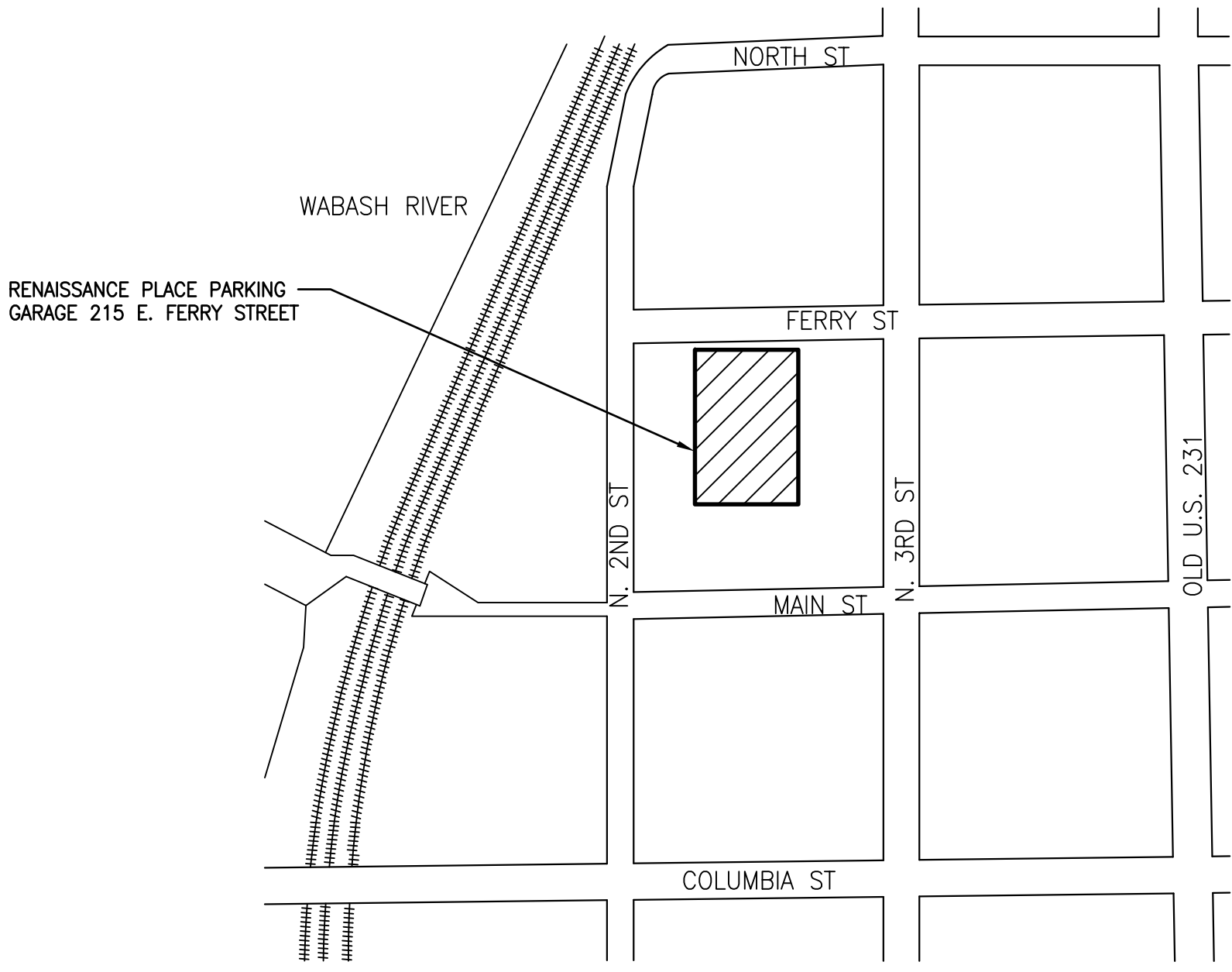
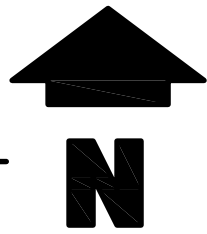
LAFAYETTE, INDIANA

ISSUED MAY 7, 2021

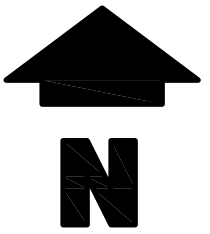
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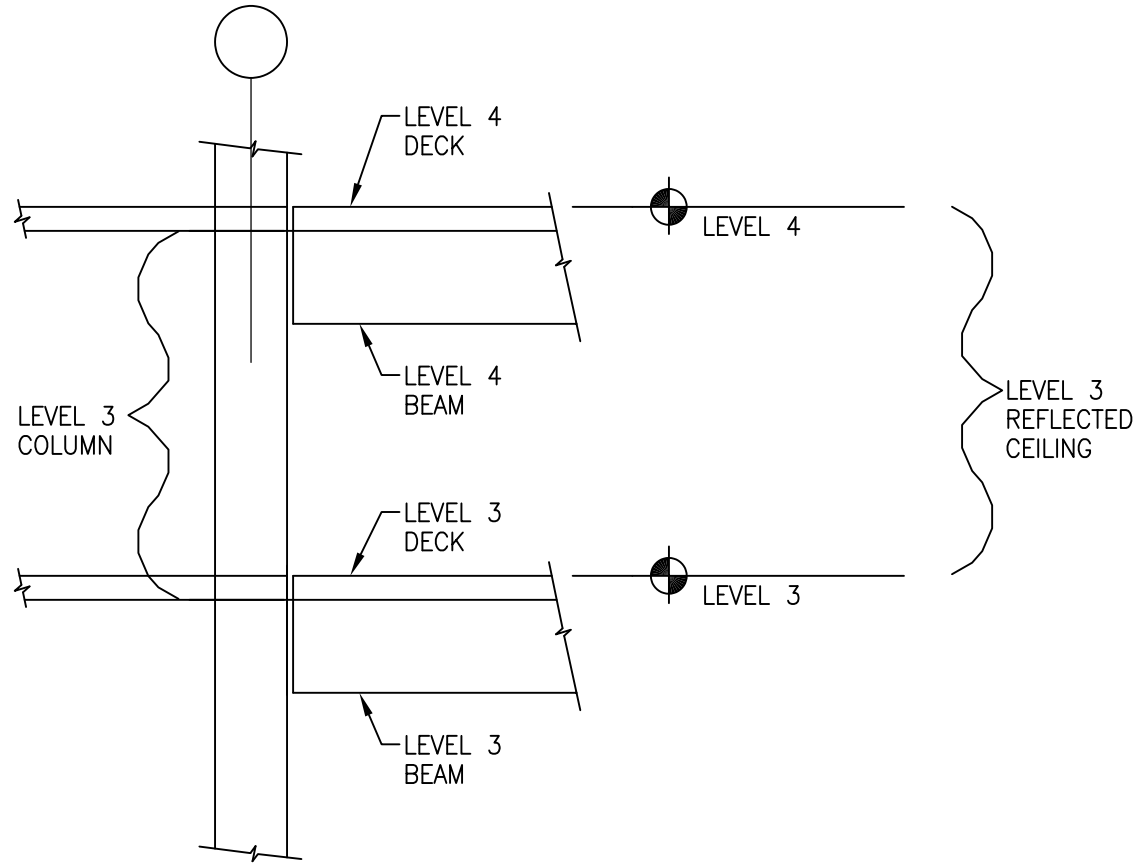
LOCATION MAP



VICINITY MAP



REPAIR FLOOR DESIGNATION



BASE BID WORK:

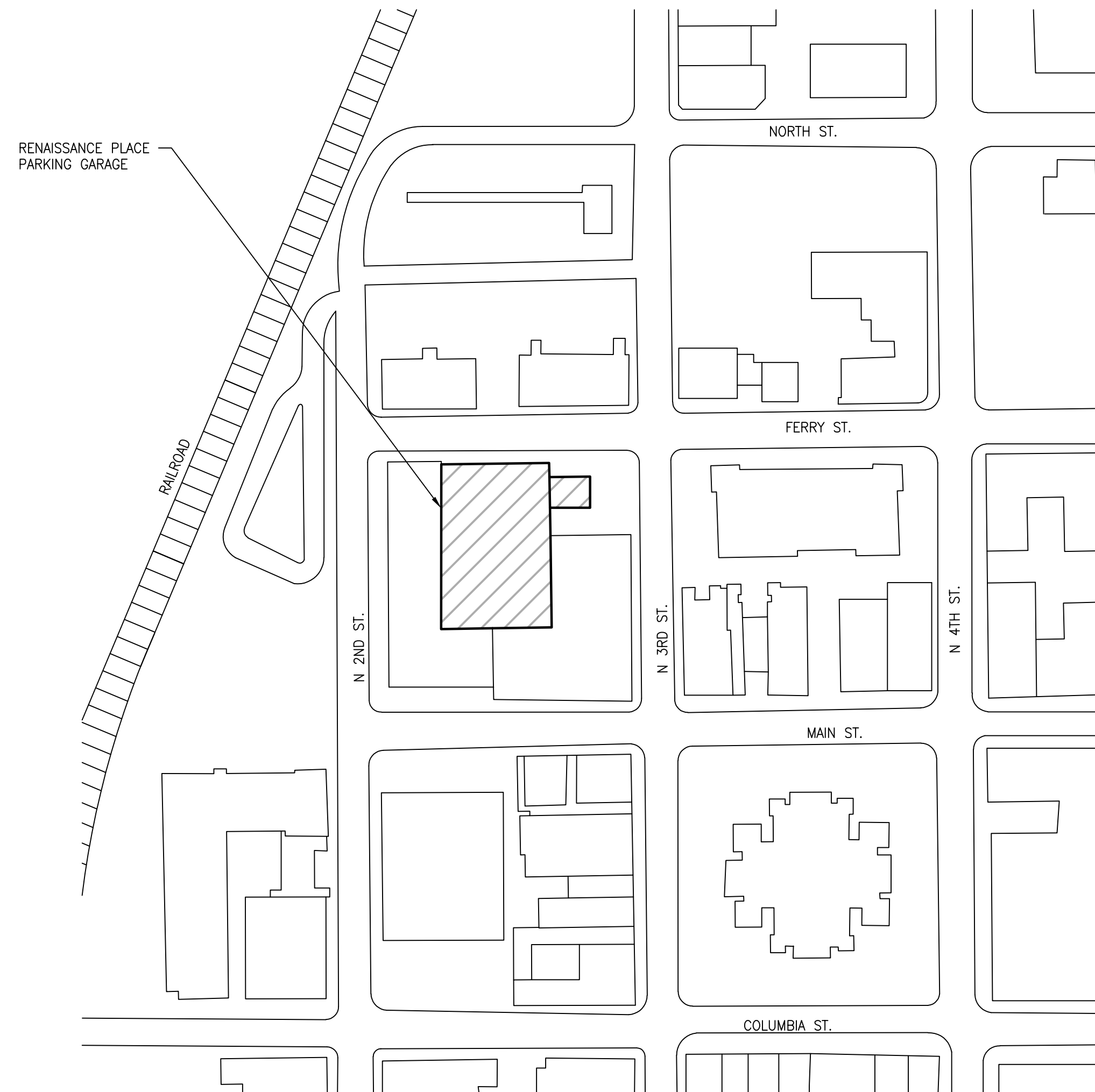
- ALL WORK NECESSARY TO PERFORM THE FOLLOWING GENERAL TASKS AS SHOWN OR CALLED FOR IN THE DRAWINGS AND SPECIFICATIONS.
- HORIZONTAL AND VERTICAL/OVERHEAD CONCRETE REPAIRS.
 - REPLACEMENT OF ALL HORIZONTAL SEALANT JOINTS IN CONCRETE DECK.
 - ROUT AND SEAL CRACKS IN CONCRETE.
 - INSTALL TRAFFIC-BEARING MEMBRANE.
 - SAFETY KNOCKDOWN OF LOOSE OVERHEAD CONCRETE.

ALTERNATE #1 WORK:

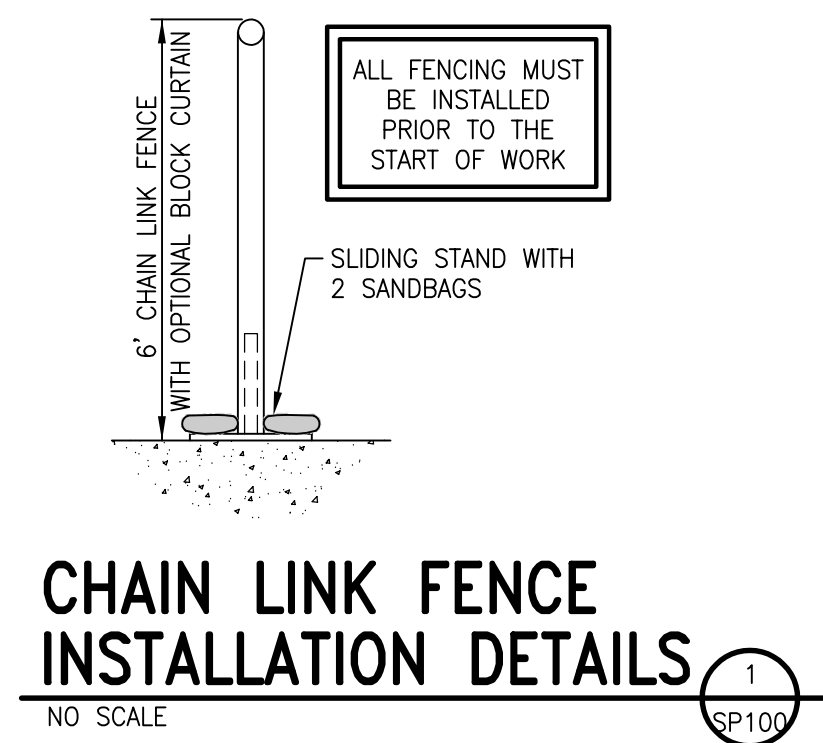
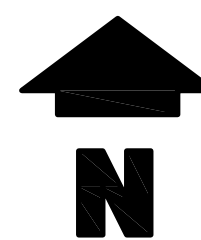
- ALL WORK NECESSARY TO PERFORM THE FOLLOWING GENERAL TASKS AS SHOWN OR CALLED FOR IN THE DRAWINGS AND SPECIFICATIONS.
- INSTALL SHEET METAL GUTTER SYSTEM ALONG LEVEL 4 RAMP WALL.

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R500	TYPICAL SECTIONS AND DETAILS
R501	LEVEL 4 GUTTER DETAILS (ALT. #1)



SITE PLAN
3"=1'-0"



FIELD VERIFY ALL EXISTING DIMENSIONS

CONTRACTOR NOTE:

PRIOR TO ANCHOR BOLT INSTALLATION IN CONC., THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL PROP. ANCHORS TO AVOID EXISTING STEEL REINFORCEMENT IN CONCRETE DECK AT ALL CONNECTION LOCATIONS. REPORT ALL INTERFERENCES TO THE ENGINEER. DO NOT DAMAGE EMBEDDED STEEL REINFORCEMENT.

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL QUANTITIES, CONDITIONS, AND DIMENSIONS SHOWN ON THESE DRAWINGS.
- CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY PROTECTION FOR PEDESTRIANS, EQUIPMENT, AND VEHICLES.
- CONTRACTOR SHALL PROTECT THE EXISTING STRUCTURE AGAINST THE INTRUSION OF MOISTURE AT ALL TIMES.
- CONTRACTOR SHALL PROTECT SIDEWALKS, CURBS, PLANTERS, AND LANDSCAPE MATERIAL FROM DAMAGE.
- PERMISSION SHALL BE OBTAINED BEFORE DRIVING A VEHICLE OR MOVING EQUIPMENT OF ANY SORT ACROSS HARDSCAPE OR LANDSCAPING. SHOULD DAMAGE OCCUR, THE CONTRACTOR SHALL RETURN EACH ITEM TO ITS PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO THE BUILDING COMPONENTS TO REMAIN. SHOULD DAMAGE OCCUR, THE CONTRACTOR SHALL RETURN EACH ITEM TO ITS PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- THROUGHOUT THE WORK OF THIS CONTRACT IT IS IMPERATIVE THAT THE CONTRACTOR'S OPERATION, INCLUDING THE STORAGE OF MATERIALS AND EQUIPMENT, NOT RESTRICT OR INTERFERE WITH THE NORMAL OPERATION OF ANY ACTIVITY OF THE PROJECT BUILDING OR SURROUNDING FACILITIES UNLESS APPROVED BY THE OWNER.
- CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CONDITIONS NOT IDENTIFIED ON THESE PLANS. NO WORK SHALL BE PERFORMED TO SUCH AREAS UNTIL APPROVED BY THE OWNER AND ENGINEER.
- ALL MEANS OF EGRESS SHALL BE MAINTAINED OPERATIONAL THROUGHOUT THE WORK OF THIS CONTRACT UNLESS NOTED OTHERWISE.

SPECIAL NOTE - CONTRACTOR SHALL RESTRICT PEDESTRIAN ACCESS TO STAIR TOWER WHILE THE SPECIFIED REPAIR WORK WITHIN THAT STAIR IS BEING PERFORMED. ALL OTHER STAIR TOWERS SHALL REMAIN OPERATIONAL. REMOVE RESTRICTED ACCESS FOLLOWING COMPLETION OF THE SPECIFIED WORK AND BEFORE PROCEEDING TO THE NEXT STAIR TOWER.
- CONTRACTOR SHALL NOT PARK OR TEMPORARILY STORE ANY EQUIPMENT, CONSTRUCTION MATERIALS, DUMPSTERS, OR DEBRIS OUTSIDE OF A DESIGNATED WORK AREA OR THE STAGING AREA.
- CONTRACTOR SHALL PROTECT ALL VEHICLES AND OCCUPANTS FROM DUST AND DEBRIS THAT RESULTS FROM THE WORK. CONTRACTOR IS TO COORDINATE HIS ACTIVITIES AND SCHEDULE WITH OWNER'S REPRESENTATIVE TO ENSURE THAT THE AREA WHERE HE INTENDS TO WORK IS VACATED IN A TIMELY MANNER.
- CONTRACTOR TO REPAIR ALL DISTURBED CAULKED JOINTS NOT SPECIFICALLY INCLUDED IN THE SCOPE OF WORK.
- CONTRACTOR SHALL PLACE PROTECTIVE CHAIN LINK FENCE AROUND ALL AREAS WHERE WORK IS BEING PERFORMED OR EQUIPMENT/MATERIALS ARE STORED. THE INTENT IS TO CREATE A PROTECTIVE BARRIER BETWEEN THE WORK SPACE AND THE PUBLIC. ALL ACCESS POINTS TO THE WORK SITE SHALL HAVE GATES THAT CAN BE SECURED.
- CONTRACTOR SHALL ADHERE TO ALL OSHA REGULATIONS AND REQUIREMENTS RELATED TO RESPIRABLE CRYSTALLINE SILICA. ALL GRINDERS AND OTHER DUST-GENERATING EQUIPMENT SHALL HAVE PROPER VACUUM DUST COLLECTION UNITS ATTACHED TO THEM IN ACCORDANCE WITH OSHA REQUIREMENTS.

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RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

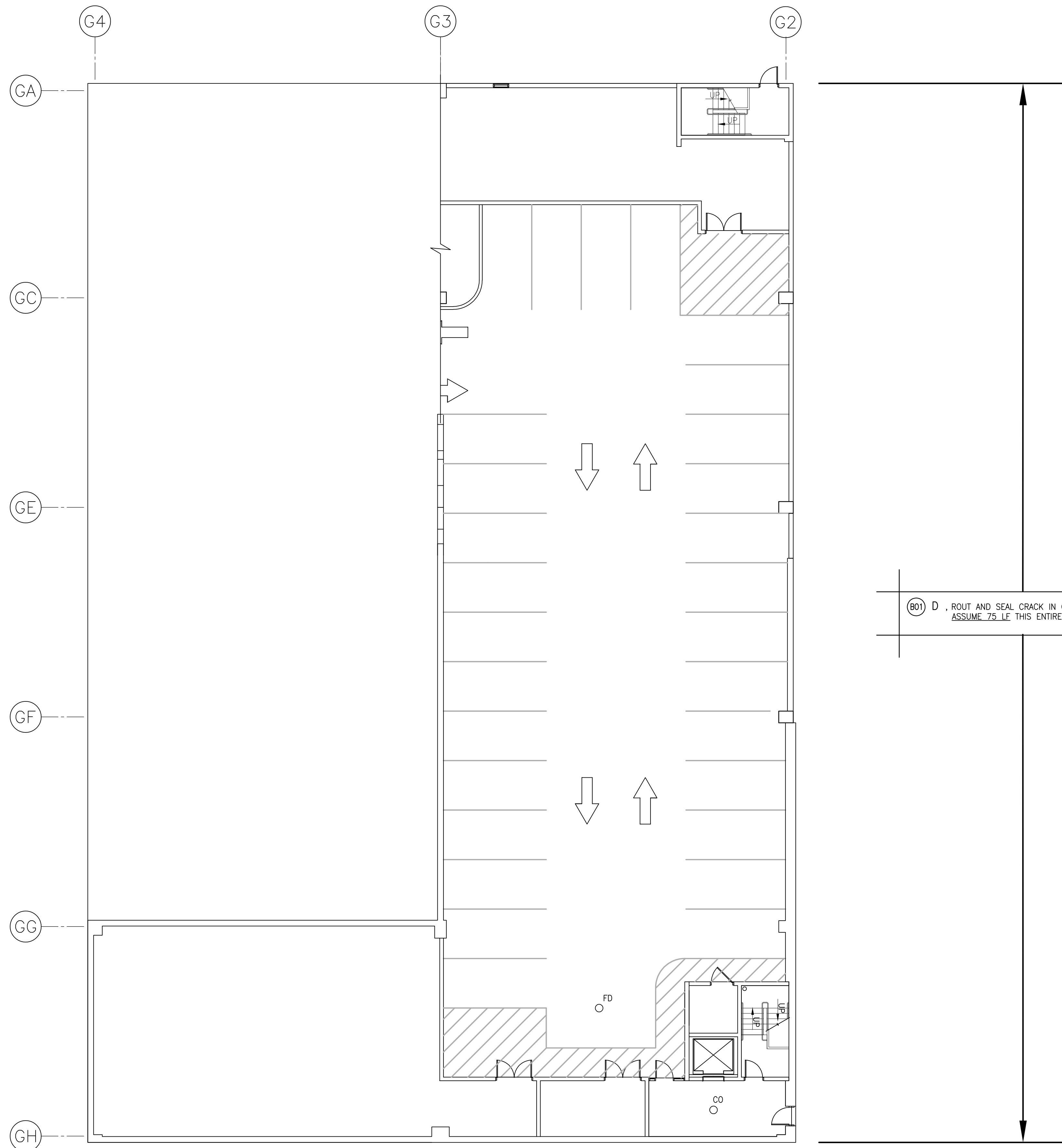
SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
0	FOR BID	05/07/21

TITLE
SITE PLAN
AND GENERAL NOTES

CHECKED BY: DMC
DRAWN BY: AWR
SCALE: 3"=1'-0"
DATE: MAY 7, 2021

SHEET NO.
SP100

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THE FOLLOWING IS THE ENGINEER'S ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

REPAIR PROCEDURE LEGEND

- ☒ A - CONCRETE DECK REPAIR (TOPSIDE).
- ☒ B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- ☐ F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- ☐ G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO BASEMENT LEVEL

- ☉ (B01) REPAIR PROCEDURE D, ESTIMATE 75 LF.

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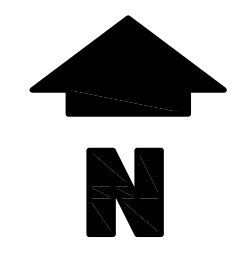
RENAISSANCE PLACE
 PARKING GARAGE
 2021 PHASE 1 PARKING FACILITY REPAIRS
 215 E. MAIN ST.
 LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
**BASEMENT LEVEL
 REPAIR PLAN**

CHECKED BY: DMC
 DRAWN BY: AWR
 SCALE: 3/32"=1'-0"
 DATE: MAY 7, 2021
 SHEET NO.: **R100**

BASEMENT LEVEL REPAIR PLAN 1
 3/32"=1'-0" R100



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THE FOLLOWING IS THE ENGINEER'S ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

REPAIR PROCEDURE LEGEND

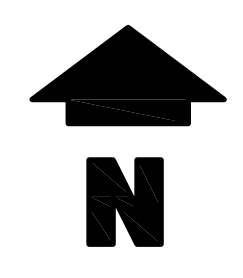
- A - CONCRETE DECK REPAIR (TOPSIDE).
- B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 1

- 101 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 102 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 103 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 104 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 105 REPAIR PROCEDURE A, ESTIMATE 3 SF.
- 106 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 107 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 108 REPAIR PROCEDURE F, ESTIMATE 350 SF.
- 109 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 110 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 111 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 112 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 113 REPAIR PROCEDURE A, ESTIMATE 15 SF.
- 114 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 115 REPAIR PROCEDURE A, ESTIMATE 25 SF.
- 116 REPAIR PROCEDURE A, ESTIMATE 5 SF.
- 117 REPAIR PROCEDURE A, ESTIMATE 15 SF.
- 118 REPAIR PROCEDURE C, ALL DECK SEALANT JOINTS. (PRECAST AREA ONLY)
- 119 REPAIR PROCEDURE D, ESTIMATE 50 SF.
- 120 REPAIR PROCEDURE G, ESTIMATE 2,450 SF.

- 118 C, REMOVE AND REPLACE ALL DECK SEALANT JOINTS THIS ENTIRE LEVEL (PRECAST AREA ONLY).
- 119 D, ROUT AND SEAL CRACK IN CONCRETE DECK (PRECAST AREA ONLY). ESTIMATE 50 LF THIS LEVEL.
- 120 G, INSTALL TRAFFIC-BEARING MEMBRANE. ESTIMATE 2,450 SF THIS LEVEL AS SHOWN BY .

LEVEL 1 REPAIR PLAN
3/32"=1'-0" 1 R101



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RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 1 REPAIR PLAN

CHECKED BY
DMC

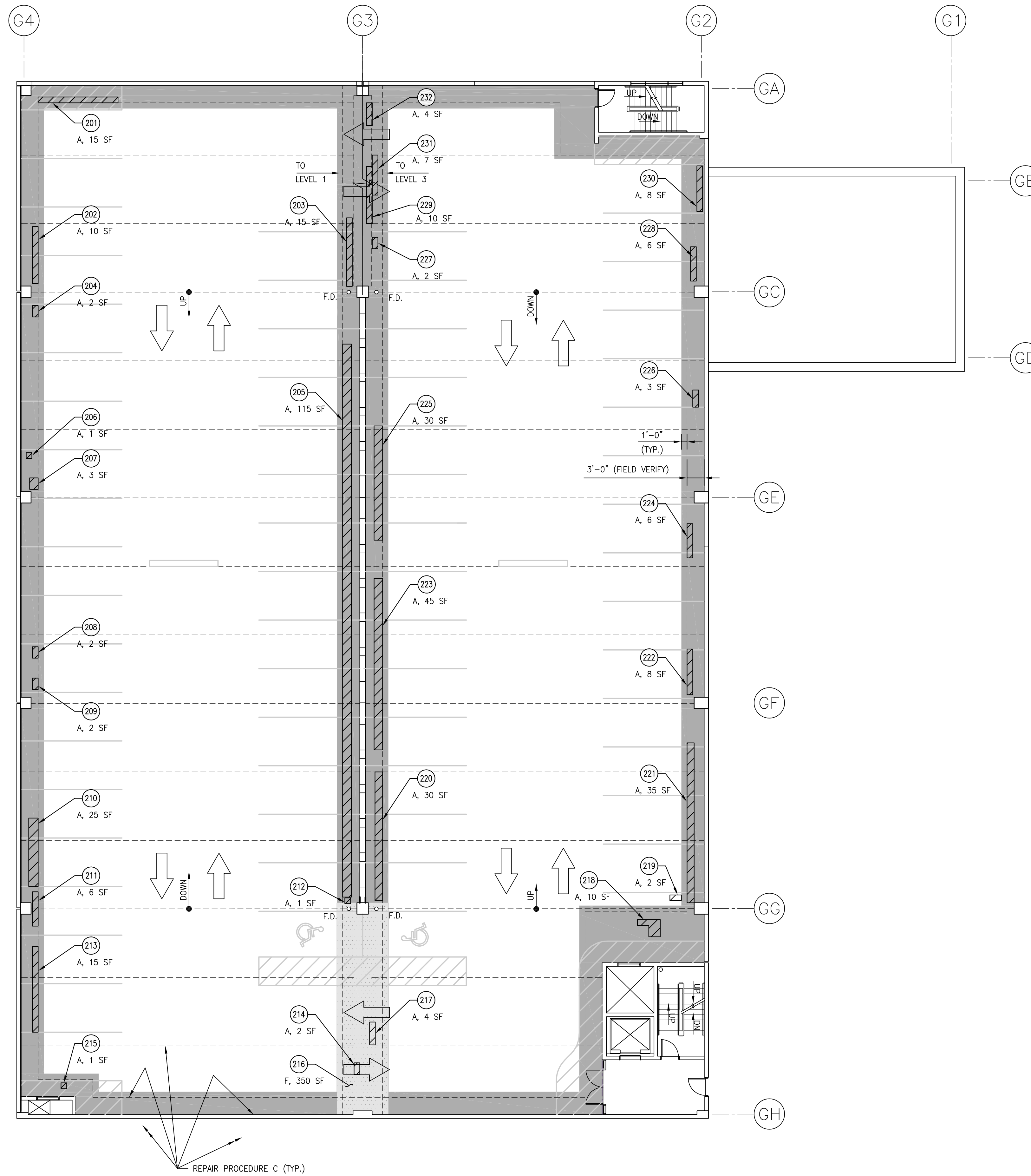
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SCALE
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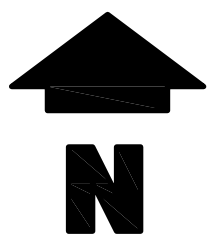
DATE
MAY 7, 2021

SHEET NO.
R101

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LEVEL 2 REPAIR PLAN
3/32"=1'-0" (1)



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REPAIR PROCEDURE LEGEND

- A - CONCRETE DECK REPAIR (TOPSIDE).
- B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 2

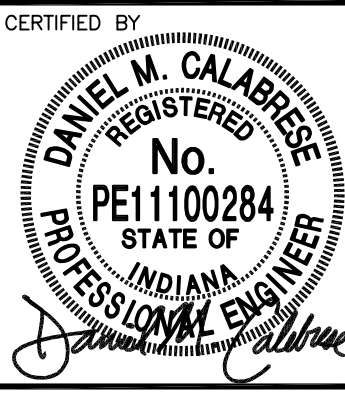
- 201 REPAIR PROCEDURE A, ESTIMATE 15 SF.
- 202 REPAIR PROCEDURE A, ESTIMATE 10 SF.
- 203 REPAIR PROCEDURE A, ESTIMATE 15 SF.
- 204 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 205 REPAIR PROCEDURE A, ESTIMATE 115 SF.
- 206 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 207 REPAIR PROCEDURE A, ESTIMATE 3 SF.
- 208 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 209 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 210 REPAIR PROCEDURE A, ESTIMATE 25 SF.
- 211 REPAIR PROCEDURE A, ESTIMATE 6 SF.
- 212 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 213 REPAIR PROCEDURE A, ESTIMATE 15 SF.
- 214 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 215 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 216 REPAIR PROCEDURE F, ESTIMATE 350 SF.
- 217 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 218 REPAIR PROCEDURE A, ESTIMATE 10 SF.
- 219 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 220 REPAIR PROCEDURE A, ESTIMATE 30 SF.
- 221 REPAIR PROCEDURE A, ESTIMATE 35 SF.
- 222 REPAIR PROCEDURE A, ESTIMATE 8 SF.
- 223 REPAIR PROCEDURE A, ESTIMATE 45 SF.
- 224 REPAIR PROCEDURE A, ESTIMATE 6 SF.
- 225 REPAIR PROCEDURE A, ESTIMATE 30 SF.
- 226 REPAIR PROCEDURE A, ESTIMATE 3 SF.
- 227 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 228 REPAIR PROCEDURE A, ESTIMATE 6 SF.
- 229 REPAIR PROCEDURE A, ESTIMATE 10 SF.
- 230 REPAIR PROCEDURE A, ESTIMATE 8 SF.
- 231 REPAIR PROCEDURE A, ESTIMATE 7 SF.
- 232 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 233 REPAIR PROCEDURE C, ESTIMATE ALL DECK SEALANT JOINTS.
- 234 REPAIR PROCEDURE D, ESTIMATE 200 LF.
- 235 REPAIR PROCEDURE G, ESTIMATE 4,000 SF.

233 C, REMOVE AND REPLACE ALL DECK SEALANT JOINTS THIS ENTIRE LEVEL.

234 D, ROUT AND SEAL CRACK IN CONCRETE DECK. ESTIMATE 200 LF THIS LEVEL.

235 G, INSTALL TRAFFIC-BEARING MEMBRANE. ESTIMATE 4,000 SF THIS LEVEL AS SHOWN BY

ARSEE ENGINEERS, INC.
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215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 2 REPAIR PLAN

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DMC

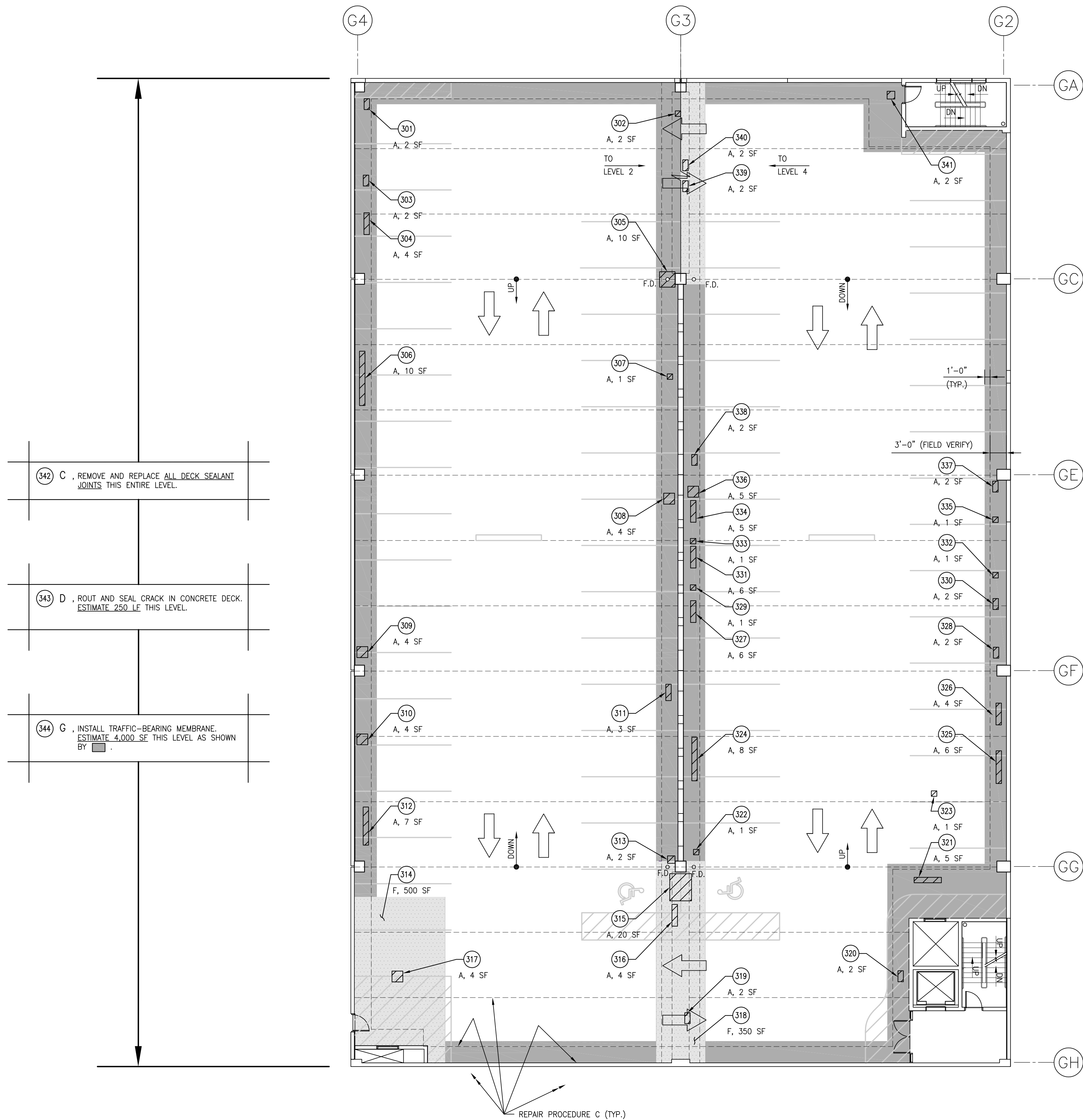
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AWR

SCALE
3/32"=1'-0"

DATE
MAY 7, 2021

SHEET NO.
R102

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REPAIR PROCEDURE LEGEND

- ▨ A - CONCRETE DECK REPAIR (TOPSIDE).
- ▨ B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 3

- 301 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 302 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 303 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 304 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 305 REPAIR PROCEDURE A, ESTIMATE 10 SF.
- 306 REPAIR PROCEDURE A, ESTIMATE 10 SF.
- 307 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 308 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 309 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 310 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 311 REPAIR PROCEDURE A, ESTIMATE 3 SF.
- 312 REPAIR PROCEDURE A, ESTIMATE 7 SF.
- 313 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 314 REPAIR PROCEDURE F, ESTIMATE 500 SF.
- 315 REPAIR PROCEDURE A, ESTIMATE 20 SF.
- 316 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 317 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 318 REPAIR PROCEDURE F, ESTIMATE 350 SF.
- 319 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 320 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 321 REPAIR PROCEDURE A, ESTIMATE 5 SF.
- 322 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 323 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 324 REPAIR PROCEDURE A, ESTIMATE 8 SF.
- 325 REPAIR PROCEDURE A, ESTIMATE 6 SF.
- 326 REPAIR PROCEDURE A, ESTIMATE 4 SF.
- 327 REPAIR PROCEDURE A, ESTIMATE 6 SF.
- 328 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 329 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 330 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 331 REPAIR PROCEDURE A, ESTIMATE 6 SF.
- 332 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 333 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 334 REPAIR PROCEDURE A, ESTIMATE 5 SF.
- 335 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 336 REPAIR PROCEDURE A, ESTIMATE 5 SF.
- 337 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 338 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 339 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 340 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 341 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 342 REPAIR PROCEDURE C, ESTIMATE ALL DECK SEALANT JOINTS.
- 343 REPAIR PROCEDURE D, ESTIMATE 250 LF.
- 344 REPAIR PROCEDURE G, ESTIMATE 4,000 SF.

342 C, REMOVE AND REPLACE ALL DECK SEALANT JOINTS THIS ENTIRE LEVEL.

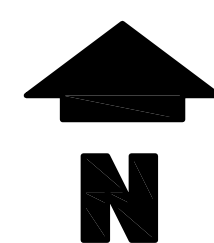
343 D, ROUT AND SEAL CRACK IN CONCRETE DECK. ESTIMATE 250 LF THIS LEVEL.

344 G, INSTALL TRAFFIC-BEARING MEMBRANE. ESTIMATE 4,000 SF THIS LEVEL AS SHOWN BY ■.

LEVEL 3 REPAIR PLAN

3/32"=1'-0"

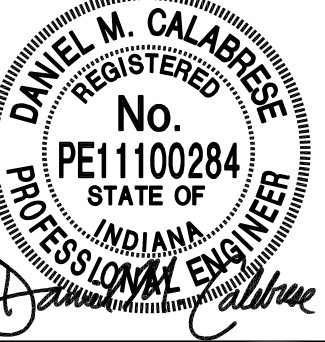
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R103



ARSEE ENGINEERS, INC.
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9715 KINCAID DRIVE, SUITE 100
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317/594-5152 PHONE
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CERTIFIED BY



RENAISSANCE PLACE
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2021 PHASE 1 PARKING FACILITY REPAIRS
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SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 3 REPAIR PLAN

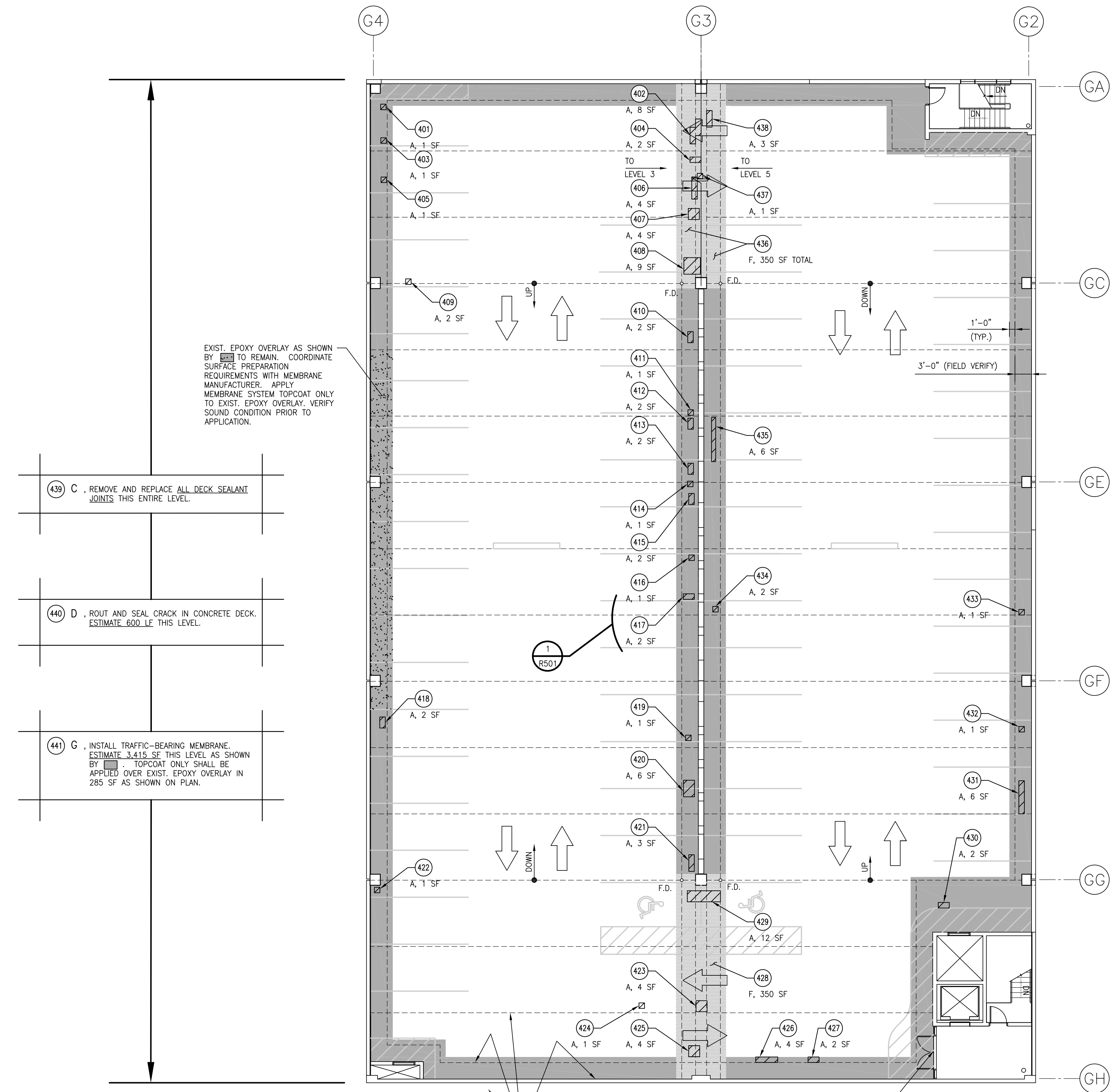
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DMC

DRAWN BY
AWR

SCALE
3/32"=1'-0"

DATE
MAY 7, 2021

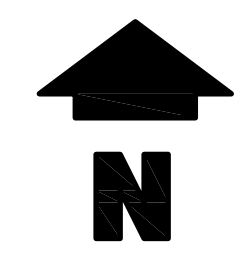
SHEET NO.
R103



- 439 C . REMOVE AND REPLACE ALL DECK SEALANT JOINTS THIS ENTIRE LEVEL.
- 440 D . ROUT AND SEAL CRACK IN CONCRETE DECK. ESTIMATE 600 LF THIS LEVEL.
- 441 G . INSTALL TRAFFIC-BEARING MEMBRANE. ESTIMATE 3,415 SF THIS LEVEL AS SHOWN BY [hatched pattern]. TOPCOAT ONLY SHALL BE APPLIED OVER EXIST. EPOXY OVERLAY IN 285 SF AS SHOWN ON PLAN.

REMOVE THRESHOLD AND EXTEND NEW MEMBRANE BELOW. INSTALL FULL BED OF BUTYL SEALANT. RE-INSTALL EXIST. THRESHOLD WITH NEW TYPE 304 S.S. HARDWARE.

LEVEL 4 REPAIR PLAN
3/32"=1'-0"



THE FOLLOWING IS THE ENGINEERS ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

REPAIR PROCEDURE LEGEND

- [hatched pattern] A - CONCRETE DECK REPAIR (TOPSIDE).
- [diagonal lines] B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- [stippled pattern] F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- [solid grey] G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 4

- 401 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 402 REPAIR PROCEDURE A , ESTIMATE 8 SF.
- 403 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 404 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 405 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 406 REPAIR PROCEDURE A , ESTIMATE 4 SF.
- 407 REPAIR PROCEDURE A , ESTIMATE 4 SF.
- 408 REPAIR PROCEDURE A , ESTIMATE 9 SF.
- 409 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 410 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 411 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 412 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 413 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 414 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 415 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 416 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 417 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 418 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 419 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 420 REPAIR PROCEDURE A , ESTIMATE 6 SF.
- 421 REPAIR PROCEDURE A , ESTIMATE 3 SF.
- 422 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 423 REPAIR PROCEDURE A , ESTIMATE 4 SF.
- 424 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 425 REPAIR PROCEDURE A , ESTIMATE 4 SF.
- 426 REPAIR PROCEDURE A , ESTIMATE 4 SF.
- 427 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 428 REPAIR PROCEDURE F , ESTIMATE 350 SF.
- 429 REPAIR PROCEDURE A , ESTIMATE 12 SF.
- 430 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 431 REPAIR PROCEDURE A , ESTIMATE 6 SF.
- 432 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 433 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 434 REPAIR PROCEDURE A , ESTIMATE 2 SF.
- 435 REPAIR PROCEDURE A , ESTIMATE 6 SF.
- 436 REPAIR PROCEDURE F , ESTIMATE 350 SF TOTAL.
- 437 REPAIR PROCEDURE A , ESTIMATE 1 SF.
- 438 REPAIR PROCEDURE A , ESTIMATE 3 SF.
- 439 REPAIR PROCEDURE C , ESTIMATE ALL DECK SEALANT JOINTS.
- 440 REPAIR PROCEDURE D , ESTIMATE 600 LF.
- 441 REPAIR PROCEDURE A , ESTIMATE 3,415 SF.

ARSEE ENGINEERS, INC.
CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 FISHERS, INDIANA 46037-9469
317/594-5152 PHONE
317/594-6590 FAX

CERTIFIED BY

 DANIEL M. CALABRESE
 REGISTERED PROFESSIONAL ENGINEER
 No. PE11100284
 STATE OF INDIANA

RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 4 REPAIR PLAN

CHECKED BY
DMC

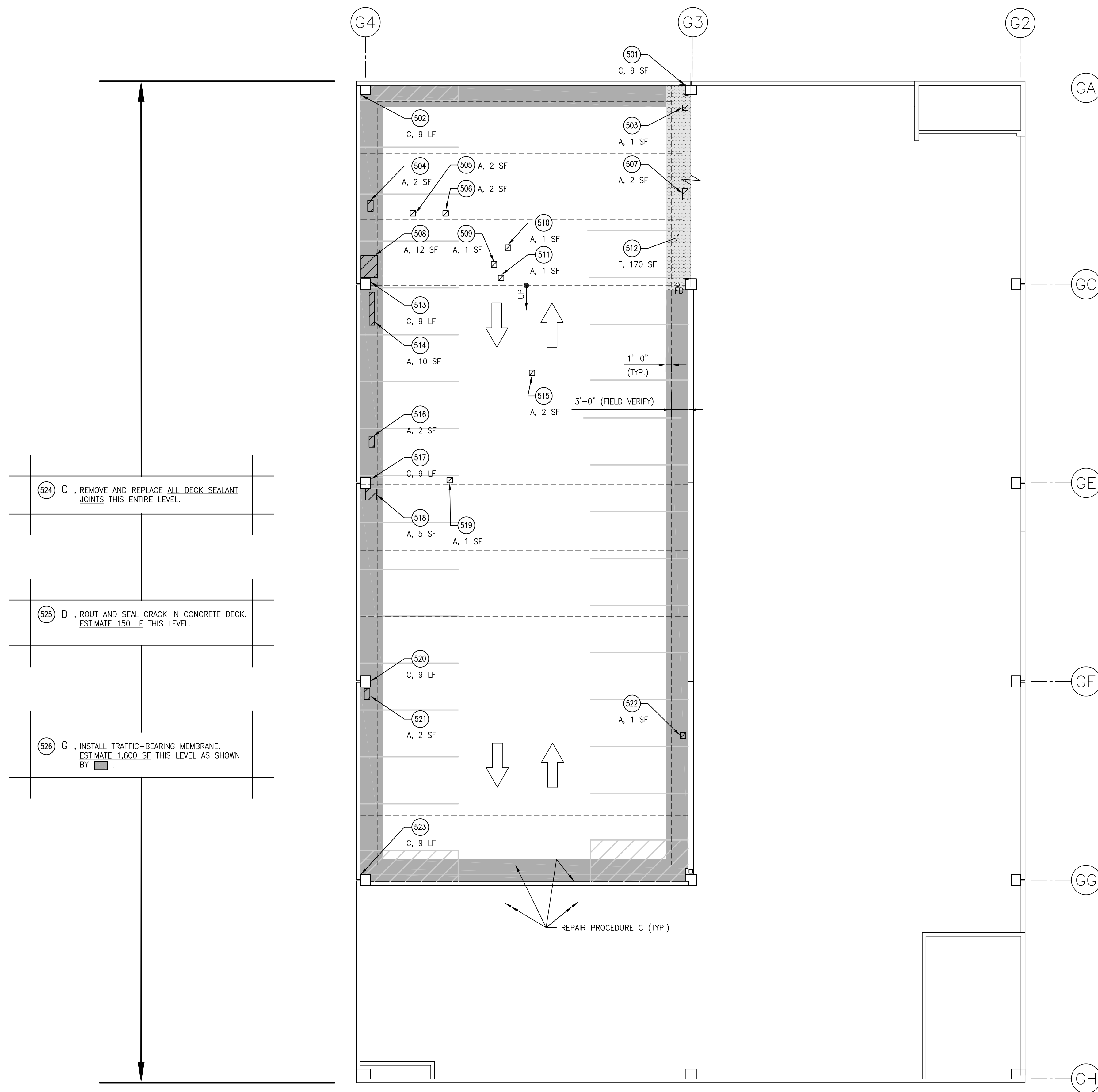
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AWR

SCALE
3/32"=1'-0"

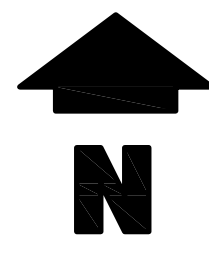
DATE
MAY 7, 2021

SHEET NO.
R104

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LEVEL 5 REPAIR PLAN 1
3/32"=1'-0" R105



THE FOLLOWING IS THE ENGINEER'S ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

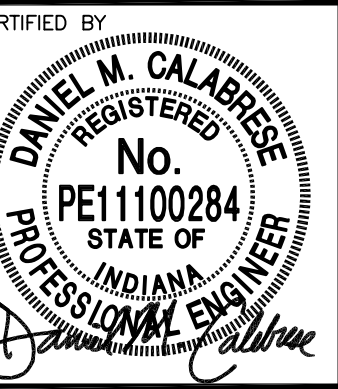
REPAIR PROCEDURE LEGEND

- ▨ A - CONCRETE DECK REPAIR (TOPSIDE).
- ▨ B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- ▨ F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- ▨ G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 5

- 501 REPAIR PROCEDURE C, ESTIMATE 9 LF.
- 502 REPAIR PROCEDURE C, ESTIMATE 9 LF.
- 503 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 504 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 505 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 506 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 507 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 508 REPAIR PROCEDURE A, ESTIMATE 12 SF.
- 509 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 510 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 511 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 512 REPAIR PROCEDURE F, ESTIMATE 170 SF.
- 513 REPAIR PROCEDURE C, ESTIMATE 9 LF.
- 514 REPAIR PROCEDURE A, ESTIMATE 10 SF.
- 515 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 516 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 517 REPAIR PROCEDURE C, ESTIMATE 9 LF.
- 518 REPAIR PROCEDURE A, ESTIMATE 5 SF.
- 519 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 520 REPAIR PROCEDURE C, ESTIMATE 9 LF.
- 521 REPAIR PROCEDURE A, ESTIMATE 2 SF.
- 522 REPAIR PROCEDURE A, ESTIMATE 1 SF.
- 523 REPAIR PROCEDURE C, ESTIMATE 9 LF.
- 524 REPAIR PROCEDURE C, ESTIMATE ALL DECK SEALANT JOINTS.
- 525 REPAIR PROCEDURE D, ESTIMATE 150 LF.
- 526 REPAIR PROCEDURE G, ESTIMATE 1,600 SF.

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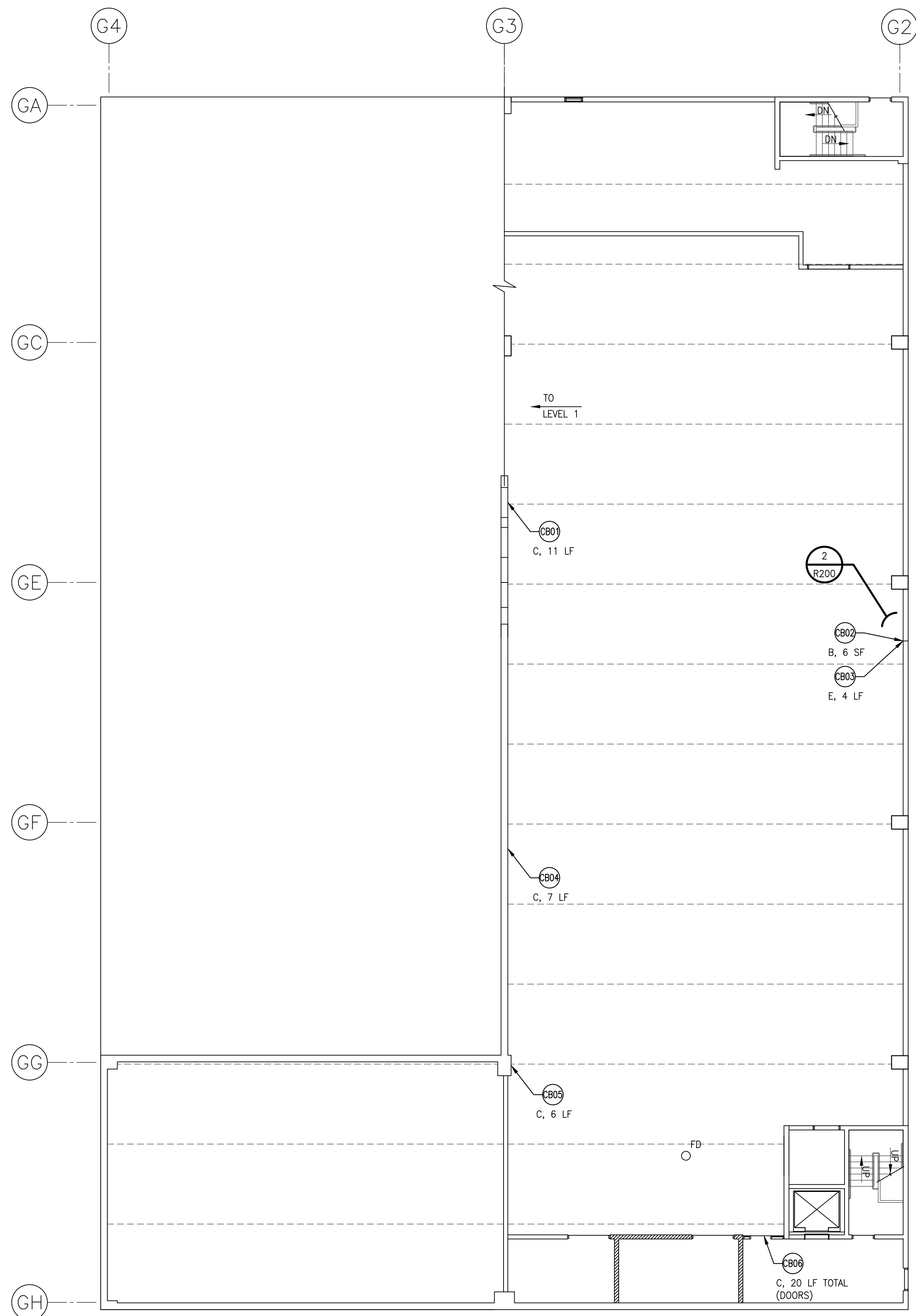
RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 5 REPAIR PLAN

CHECKED BY	DMC
DRAWN BY	AWR
SCALE	3/32"=1'-0"
DATE	MAY 7, 2021
SHEET NO.	R105

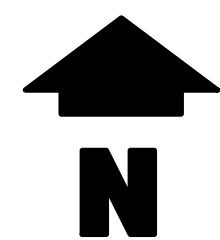
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BASEMENT LEVEL REFLECTED CEILING REPAIR PLAN

3/32"=1'-0"

1
R200



THE FOLLOWING IS THE ENGINEERS ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

REPAIR PROCEDURE LEGEND

- A - CONCRETE DECK REPAIR (TOPSIDE).
- B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO BASEMENT LEVEL REFLECTED CEILING

- CB01 REPAIR PROCEDURE C, ESTIMATE 11 LF.
- CB02 REPAIR PROCEDURE B, ESTIMATE 6 SF.
- CB03 REPAIR PROCEDURE E, ESTIMATE 4 LF.
- CB04 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- CB05 REPAIR PROCEDURE C, ESTIMATE 6 LF.
- CB06 REPAIR PROCEDURE C, ESTIMATE 20 LF TOTAL (DOORS).
- CB07 REPAIR PROCEDURE I, REMOVE ALL LOOSE VERTICAL AND OVERHEAD CONCRETE THIS ENTIRE LEVEL. CLEAN AND COAT ALL EXPOSED STEEL.

CB07 I, REMOVE ALL LOOSE VERTICAL AND OVERHEAD CONCRETE THIS ENTIRE LEVEL. CLEAN AND COAT ALL EXPOSED STEEL.

DURING VERTICAL CONCRETE REPAIR WORK, COORDINATE DETAILS WITH ENGINEER FOR NEW BEARING PAD. CONTRACTOR TO PROVIDE AND INSTALL NEW FABREEKA-PTFE BEARING PAD BELOW PRECAST SPANDREL WALL PANEL. FIELD VERIFY DIMENSIONS. PROVIDE SHORING AS NECESSARY TO SUPPORT END OF PANEL DURING REPAIR WORK.



REPAIR PROCEDURES B & E

BASEMENT LEVEL PRECAST BEARING REPAIR

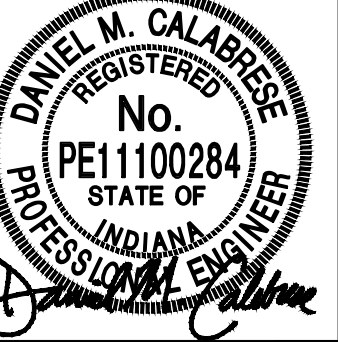
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R200

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RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

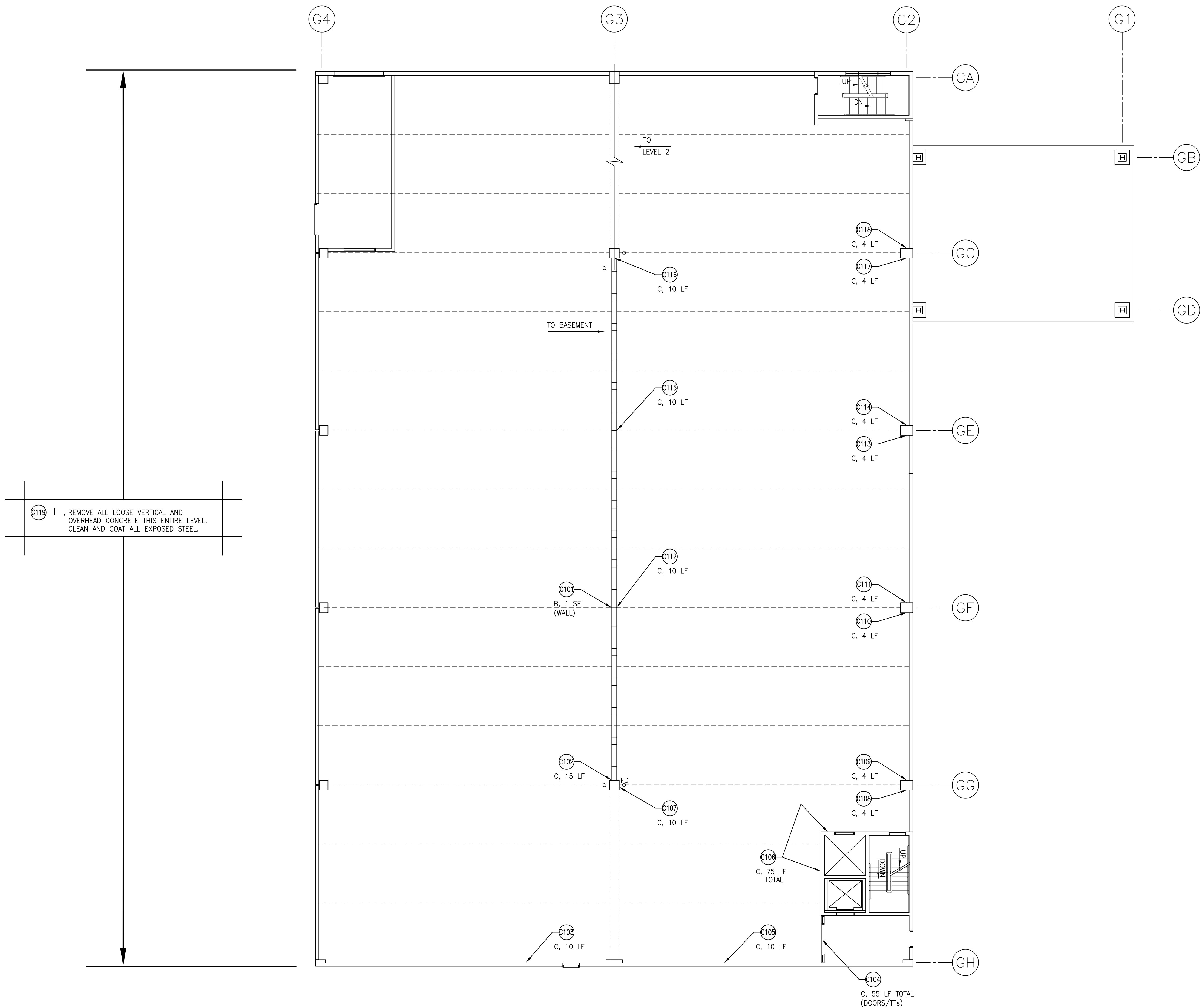
SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
BASEMENT REFLECTED CEILING REPAIR PLAN

CHECKED BY: DMC
DRAWN BY: AWR
SCALE: 3/32"=1'-0"
DATE: MAY 7, 2021

SHEET NO.
R200

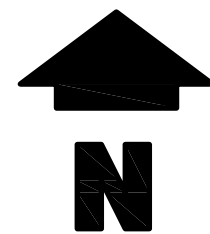
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LEVEL 1 REFLECTED CEILING REPAIR PLAN

3/32"=1'-0"

1
R201



THE FOLLOWING IS THE ENGINEERS ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

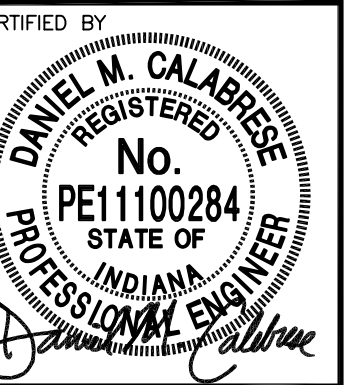
REPAIR PROCEDURE LEGEND

- A - CONCRETE DECK REPAIR (TOPSIDE).
- B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 1 REFLECTED CEILING

- REPAIR PROCEDURE B, ESTIMATE 1 SF (WALL).
- REPAIR PROCEDURE C, ESTIMATE 15 LF.
- REPAIR PROCEDURE C, ESTIMATE 10 LF.
- REPAIR PROCEDURE C, ESTIMATE 55 LF TOTAL (DOORS & TTs).
- REPAIR PROCEDURE C, ESTIMATE 10 LF.
- REPAIR PROCEDURE C, ESTIMATE 75 LF TOTAL.
- REPAIR PROCEDURE C, ESTIMATE 10 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE C, ESTIMATE 10 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE C, ESTIMATE 10 LF.
- REPAIR PROCEDURE C, ESTIMATE 10 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE C, ESTIMATE 4 LF.
- REPAIR PROCEDURE I, REMOVE ALL LOOSE VERTICAL AND OVERHEAD CONCRETE THIS ENTIRE LEVEL. CLEAN AND COAT ALL EXPOSED STEEL.

ARSEE ENGINEERS, INC.
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RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

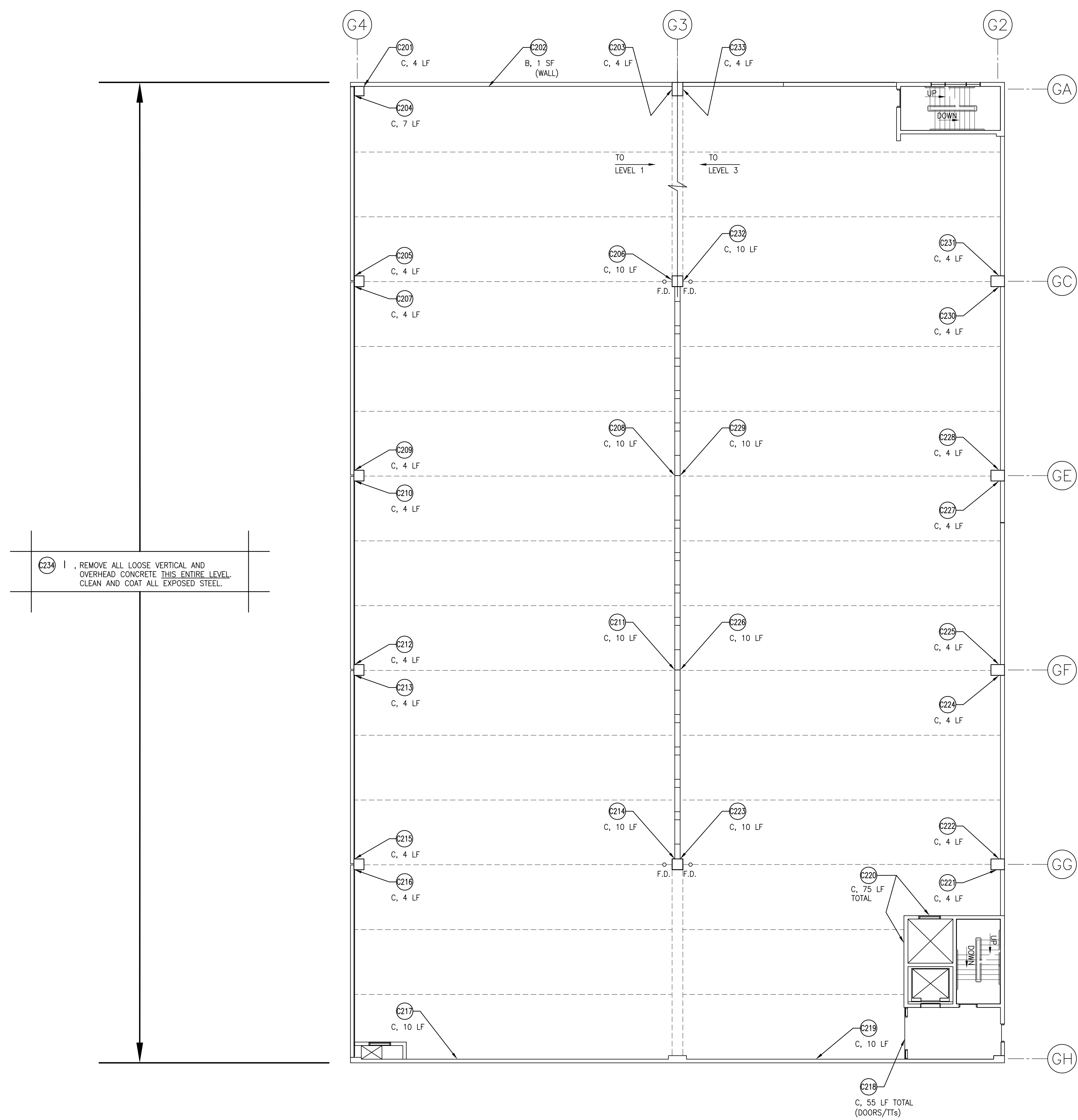
SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 1
REFLECTED CEILING
REPAIR PLAN

CHECKED BY: DMC
DRAWN BY: AWR
SCALE: 3/32"=1'-0"
DATE: MAY 7, 2021
SHEET NO.:

R201

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THE FOLLOWING IS THE ENGINEERS ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

REPAIR PROCEDURE LEGEND

- ☐ A - CONCRETE DECK REPAIR (TOPSIDE).
- ☐ B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- ☐ F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- ☐ G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 2 REFLECTED CEILING

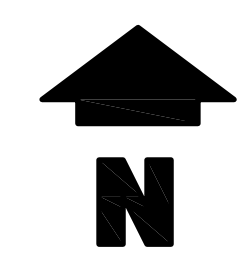
- C201 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C202 REPAIR PROCEDURE B, ESTIMATE 1 SF (WALL).
- C203 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C204 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C205 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C206 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C207 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C208 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C209 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C210 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C211 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C212 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C213 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C214 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C215 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C216 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C217 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C218 REPAIR PROCEDURE C, ESTIMATE 55 LF TOTAL (DOORS/TTs).
- C219 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C220 REPAIR PROCEDURE C, ESTIMATE 75 LF TOTAL.
- C221 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C222 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C223 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C224 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C225 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C226 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C227 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C228 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C229 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C230 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C231 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C232 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C233 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C234 REPAIR PROCEDURE I, REMOVE ALL LOOSE VERTICAL AND OVERHEAD CONCRETE THIS ENTIRE LEVEL. CLEAN AND COAT ALL EXPOSED STEEL.

C234 I, REMOVE ALL LOOSE VERTICAL AND OVERHEAD CONCRETE THIS ENTIRE LEVEL. CLEAN AND COAT ALL EXPOSED STEEL.

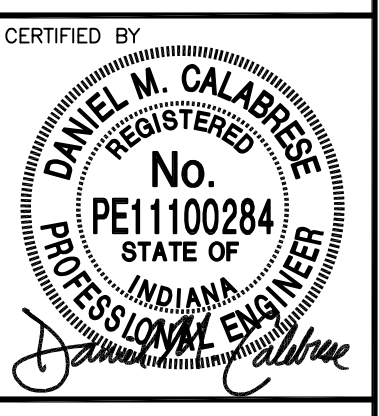
LEVEL 2 REFLECTED CEILING REPAIR PLAN

3/32"=1'-0"

1
R202



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RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 2 REFLECTED CEILING REPAIR PLAN

CHECKED BY: DMC
DRAWN BY: AWR
SCALE: 3/32"=1'-0"
DATE: MAY 7, 2021
SHEET NO.: **R202**

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THE FOLLOWING IS THE ENGINEER'S ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

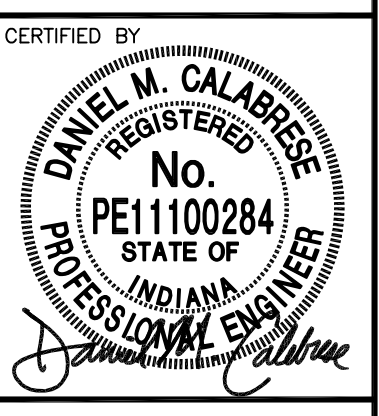
REPAIR PROCEDURE LEGEND

- A - CONCRETE DECK REPAIR (TOPSIDE).
- B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 3 REFLECTED CEILING

- C-301 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-302 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C-303 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-304 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-305 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-306 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-307 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-308 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-309 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-310 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-311 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-312 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-313 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-314 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-315 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-316 REPAIR PROCEDURE H, ESTIMATE 4 LF.
- C-317 REPAIR PROCEDURE H, ESTIMATE 2 LF.
- C-318 REPAIR PROCEDURE H, ESTIMATE 5 LF.
- C-319 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-320 REPAIR PROCEDURE C, ESTIMATE 55 LF TOTAL (DOORS/TTs).
- C-321 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-322 REPAIR PROCEDURE H, ESTIMATE 15 LF.
- C-323 REPAIR PROCEDURE H, ESTIMATE 30 LF.
- C-324 REPAIR PROCEDURE C, ESTIMATE 75 LF TOTAL.
- C-325 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-326 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-327 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-328 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-329 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-330 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-331 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-332 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-333 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-334 REPAIR PROCEDURE B, ESTIMATE 2 SF (FLANGE).
- C-335 REPAIR PROCEDURE E, ESTIMATE 2 LF.
- C-336 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-337 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-338 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C-339 REPAIR PROCEDURE B, ESTIMATE 1 SF (FLANGE).
- C-340 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-341 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C-342 REPAIR PROCEDURE I, REMOVE ALL LOOSE VERTICAL AND OVERHEAD CONCRETE THIS ENTIRE LEVEL. CLEAN AND COAT ALL EXPOSED STEEL.

ARSEE ENGINEERS, INC.
 CLIENT ORIENTED - BY DESIGN
 9715 KINCAID DRIVE, SUITE 100 FISHERS, INDIANA 46037-9459
 317/594-5152 PHONE
 317/594-9590 FAX



CERTIFIED BY
**RENAISSANCE PLACE
 PARKING GARAGE
 2021 PHASE 1 PARKING FACILITY REPAIRS
 215 E. MAIN ST.
 LAFAYETTE, INDIANA 47901**

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
**LEVEL 3
 REFLECTED CEILING
 REPAIR PLAN**

CHECKED BY
 DMC

DRAWN BY
 AWR

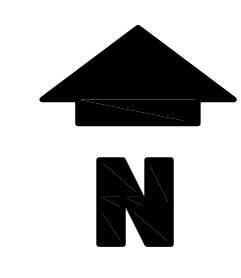
SCALE
 3/32"=1'-0"

DATE
 MAY 7, 2021

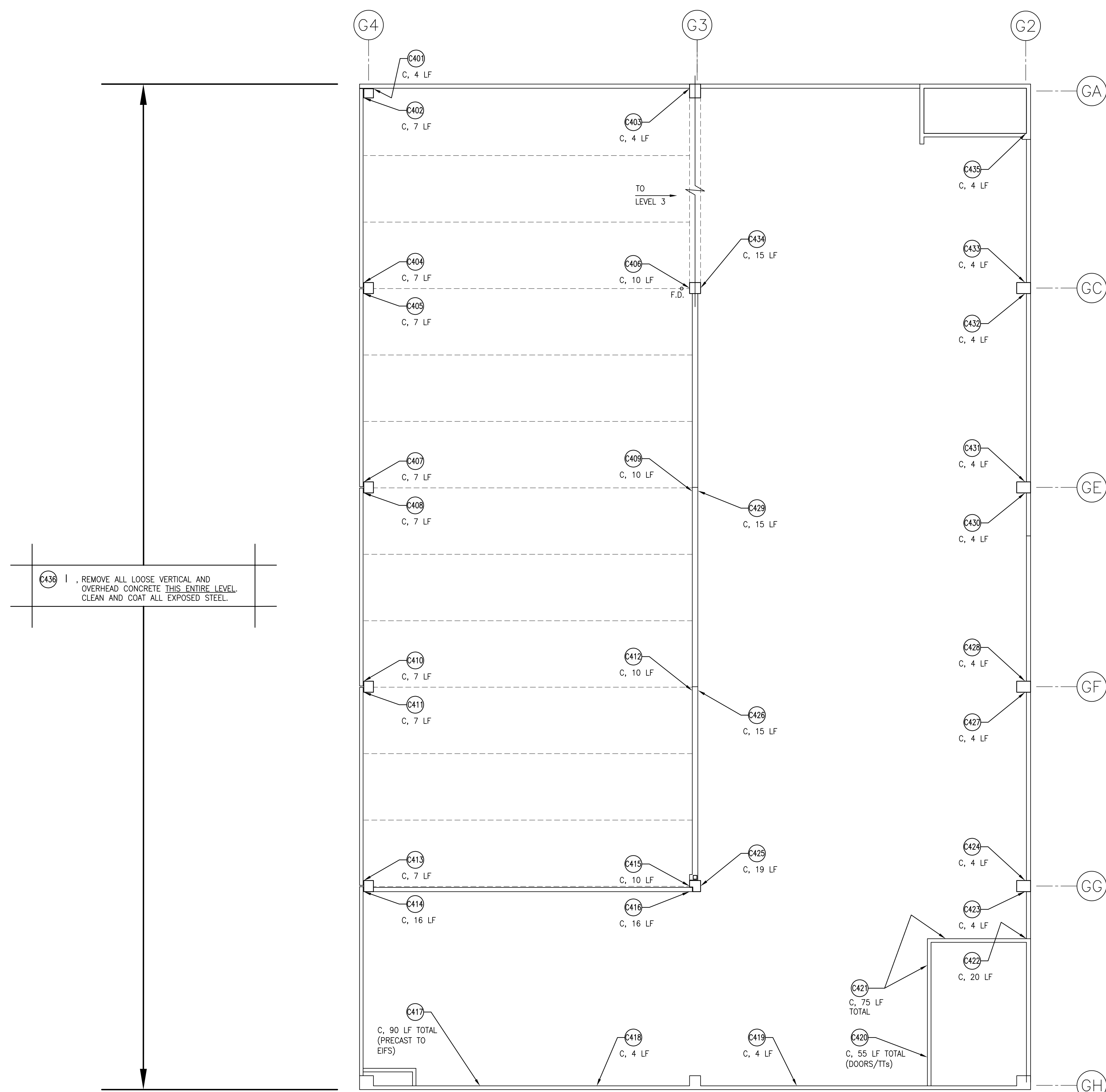
SHEET NO.
R203

LEVEL 3 REFLECTED CEILING REPAIR PLAN

1
 R203

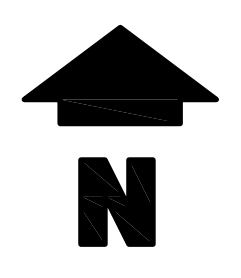


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LEVEL 4 REFLECTED CEILING REPAIR PLAN
3/32"=1'-0"

1
R204



THE FOLLOWING IS THE ENGINEER'S ESTIMATE OF QUANTITIES FOR EACH TYPE OF REPAIR SPECIFIED. THESE ARE PROVIDED FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE BUILDING THOROUGHLY PRIOR TO BIDDING TO DETERMINE THE QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY COMPLETE THE SPECIFIED REPAIRS AND TO INCLUDE THESE IN THEIR BID.

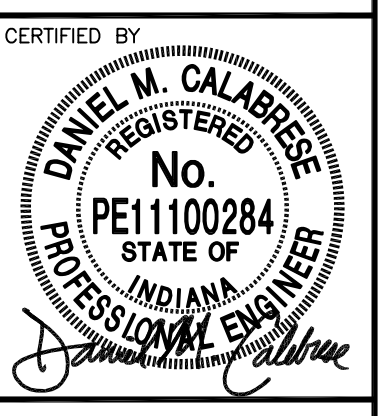
REPAIR PROCEDURE LEGEND

- ☐ A - CONCRETE DECK REPAIR (TOPSIDE).
- ☐ B - CONCRETE REPAIR (VERTICAL AND OVERHEAD).
- C - REMOVE AND REPLACE SEALANT JOINT.
- D - ROUT AND SEAL CRACK IN CONCRETE.
- E - EPOXY INJECT CRACK IN CONCRETE.
- ☐ F - REMOVE AND REPLACE TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- ☐ G - INSTALL TRAFFIC-BEARING MEMBRANE SYSTEM ON DECK.
- H - PGR INJECT CRACK IN CONCRETE.
- I - REMOVE LOOSE VERTICAL AND OVERHEAD CONCRETE; CLEAN AND COAT EXPOSED STEEL.

BASE BID REPAIRS TO LEVEL 4 REFLECTED CEILING

- C401 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C402 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C403 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C404 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C405 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C406 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C407 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C408 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C409 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C410 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C411 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C412 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C413 REPAIR PROCEDURE C, ESTIMATE 7 LF.
- C414 REPAIR PROCEDURE C, ESTIMATE 16 LF.
- C415 REPAIR PROCEDURE C, ESTIMATE 10 LF.
- C416 REPAIR PROCEDURE C, ESTIMATE 16 LF.
- C417 REPAIR PROCEDURE C, ESTIMATE 90 LF TOTAL (PRECAST TO EIFS).
- C418 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C419 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C420 REPAIR PROCEDURE C, ESTIMATE 55 LF TOTAL (DOOR/TTS).
- C421 REPAIR PROCEDURE C, ESTIMATE 75 LF TOTAL.
- C422 REPAIR PROCEDURE C, ESTIMATE 20 LF.
- C423 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C424 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C425 REPAIR PROCEDURE C, ESTIMATE 19 LF.
- C426 REPAIR PROCEDURE C, ESTIMATE 15 LF.
- C427 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C428 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C429 REPAIR PROCEDURE C, ESTIMATE 15 LF.
- C430 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C431 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C432 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C433 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C434 REPAIR PROCEDURE C, ESTIMATE 15 LF.
- C435 REPAIR PROCEDURE C, ESTIMATE 4 LF.
- C436 REPAIR PROCEDURE I, REMOVE ALL LOOSE VERTICAL AND OVERHEAD CONCRETE THIS ENTIRE LEVEL. CLEAN AND COAT ALL EXPOSED STEEL.

ARSEE ENGINEERS, INC.
CLIENT ORIENTED - BY DESIGN
9715 KINCAID DRIVE, SUITE 100 FISHERS, INDIANA 46037-9459
317/594-9590 FAX

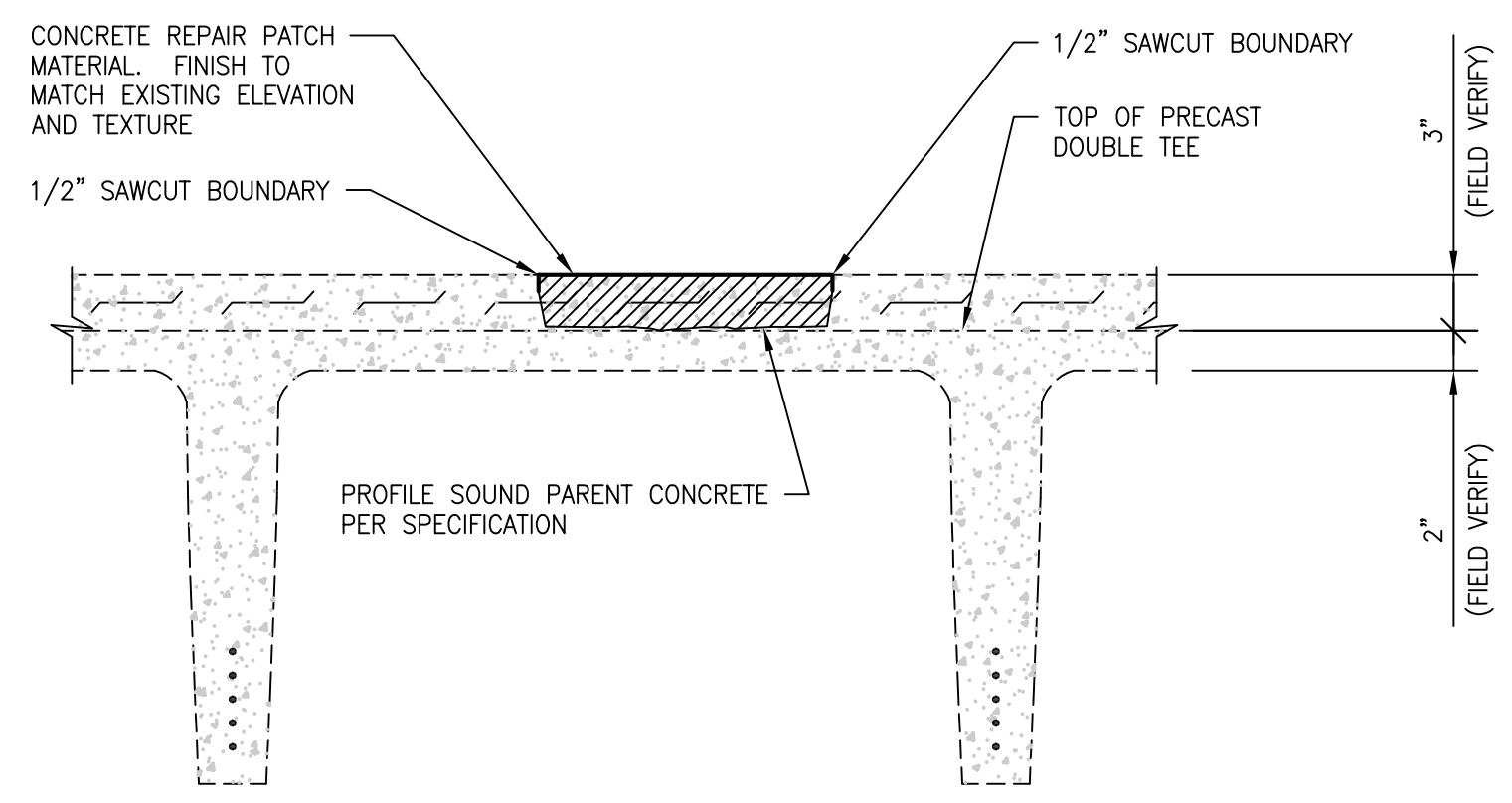


RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 4 REFLECTED CEILING REPAIR PLAN

CHECKED BY: DMC
DRAWN BY: AWR
SCALE: 3/32"=1'-0"
DATE: MAY 7, 2021
SHEET NO.: **R204**

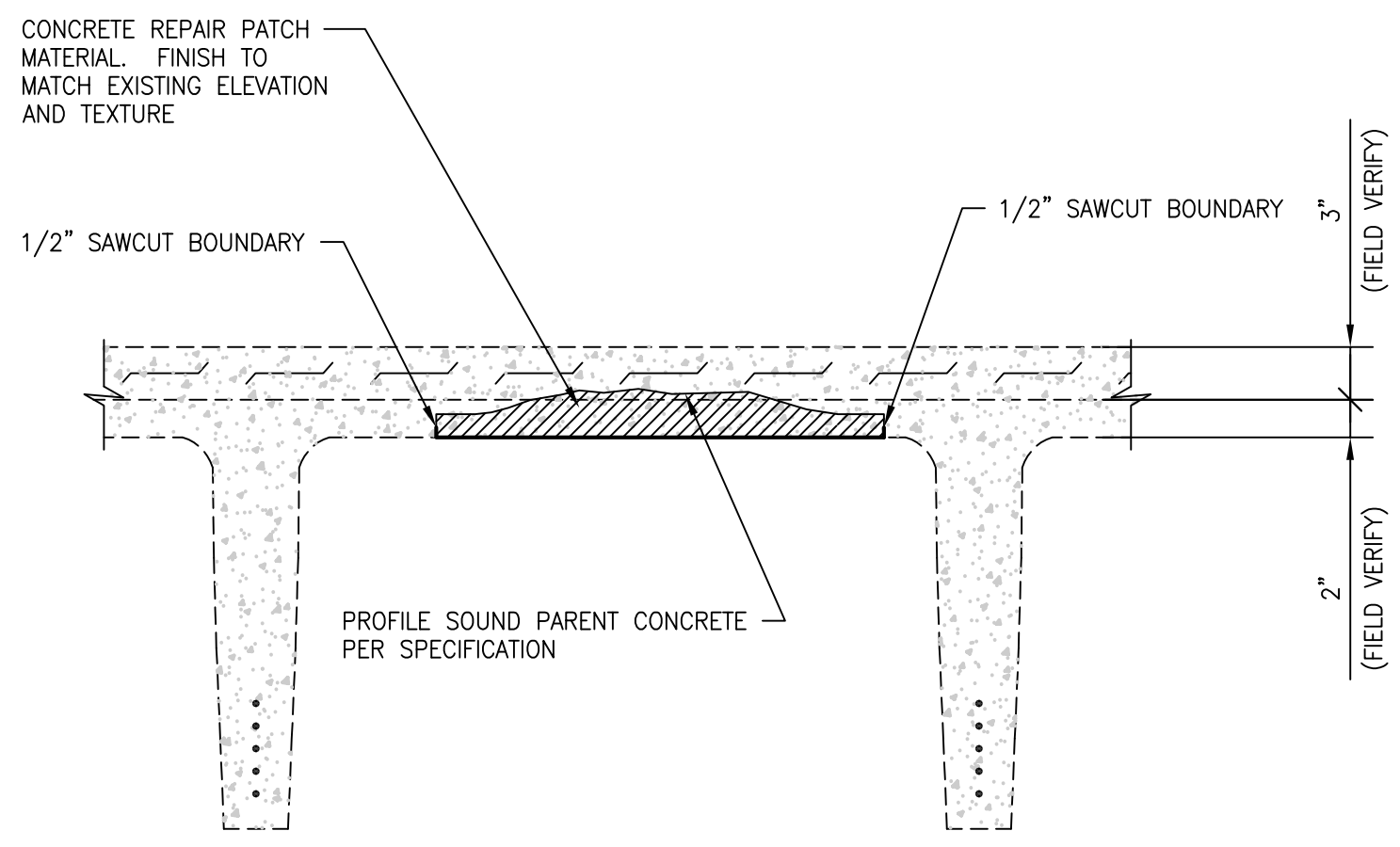


TYP. HORIZONTAL CONCRETE REPAIR

N.T.S.

1
R500

REPAIR PROCEDURE A

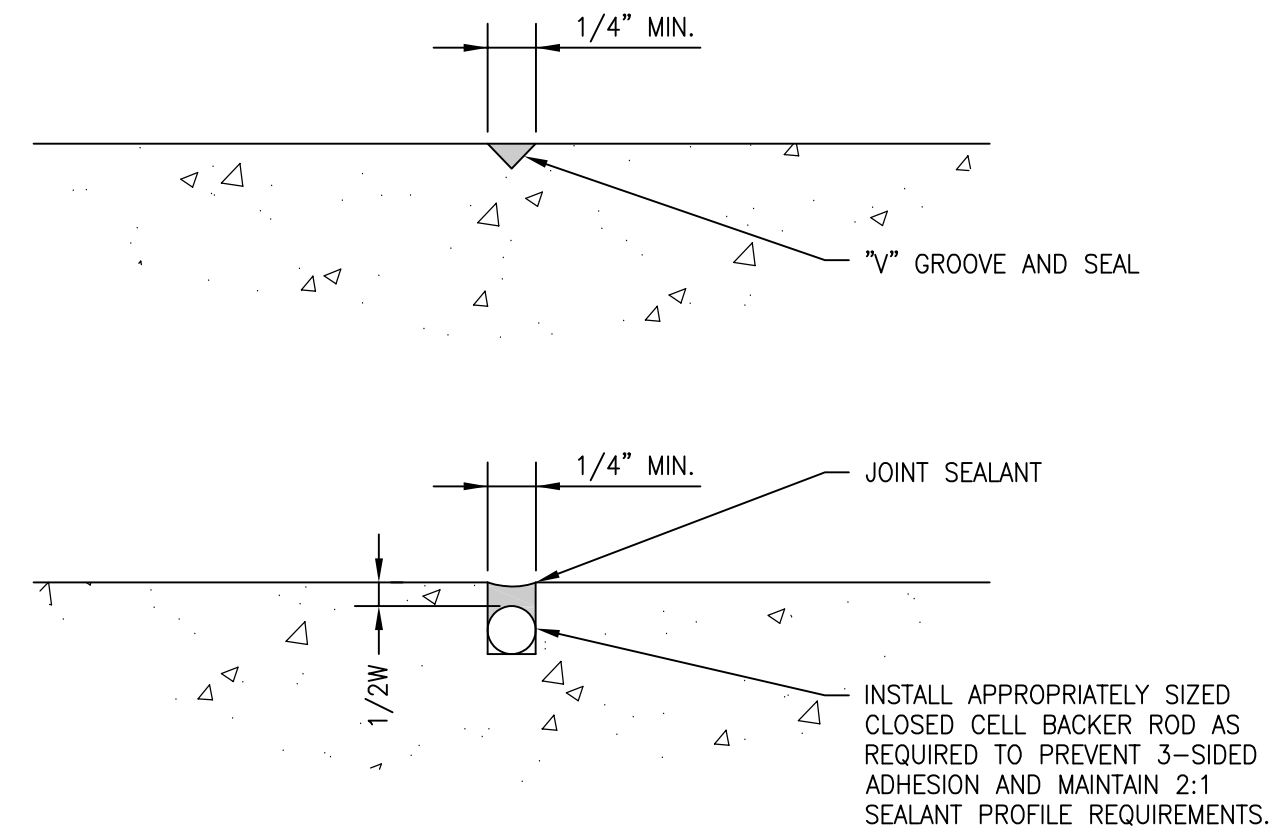


TYP. VERTICAL & OVERHEAD CONCRETE REPAIR

N.T.S.

2
R500

REPAIR PROCEDURE B



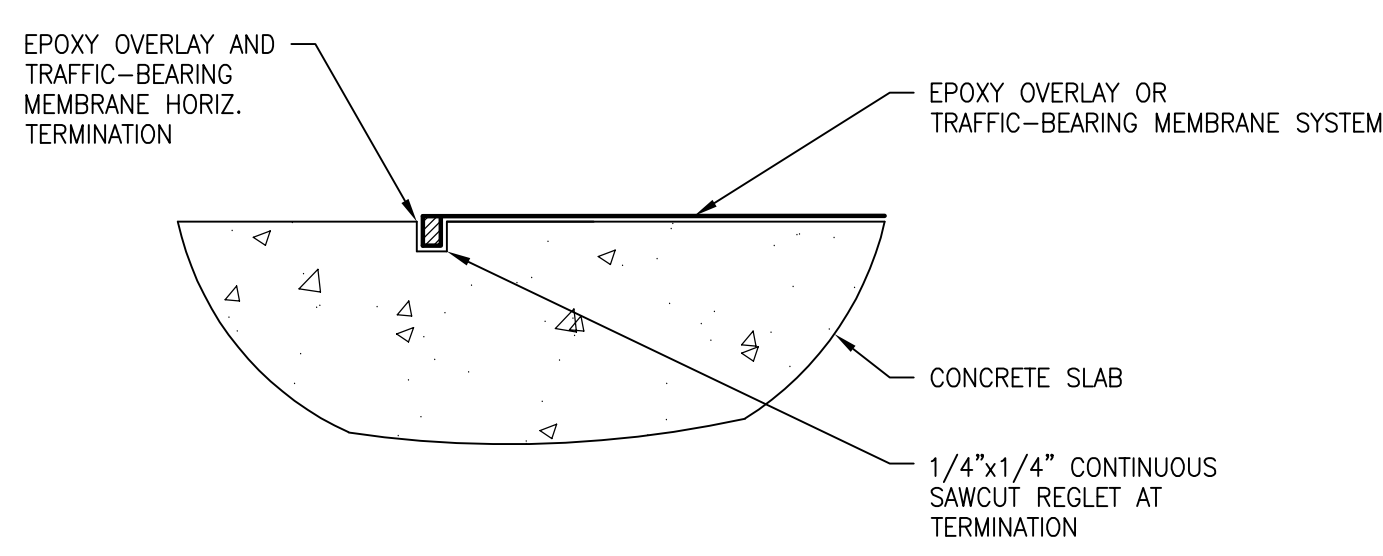
NOTE: CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING SEALANT JOINT PROFILES PRIOR TO BIDDING.

TYP. DECK SEALANT JOINT PROFILES

N.T.S.

3
R500

REPAIR PROCEDURE C

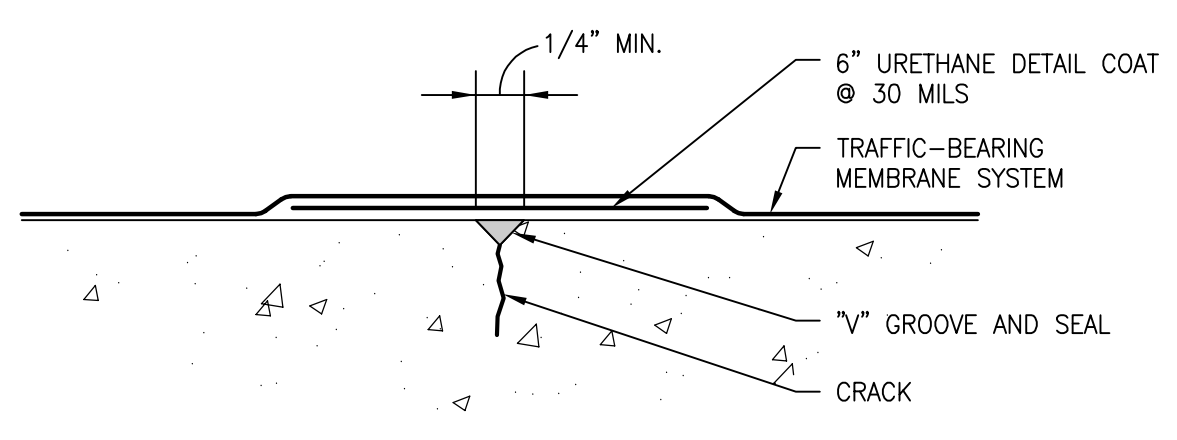


TYP. MEMBRANE HORIZONTAL TERMINATION

N.T.S.

4
R500

REPAIR PROCEDURES F & G

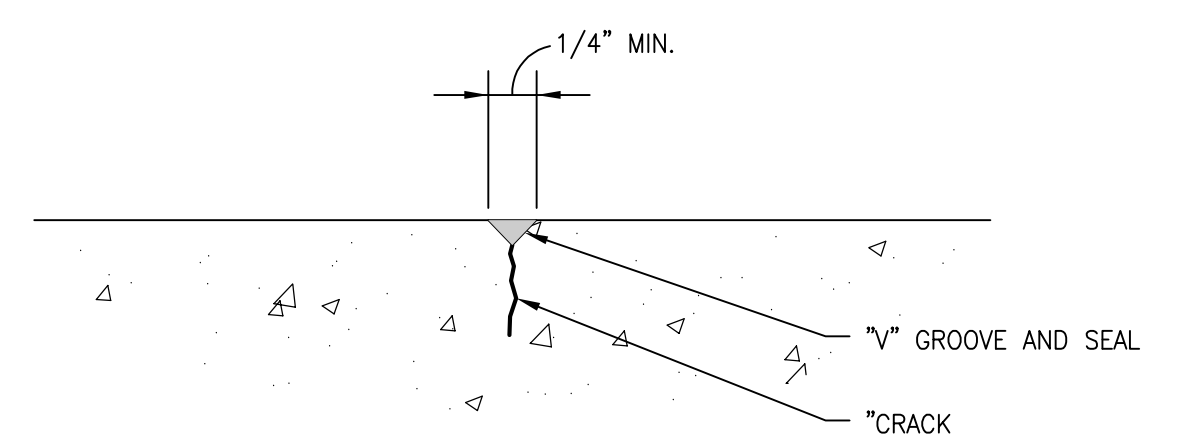


TYP. CRACK AT MEMBRANE

N.T.S.

5
R500

REPAIR PROCEDURES F & G

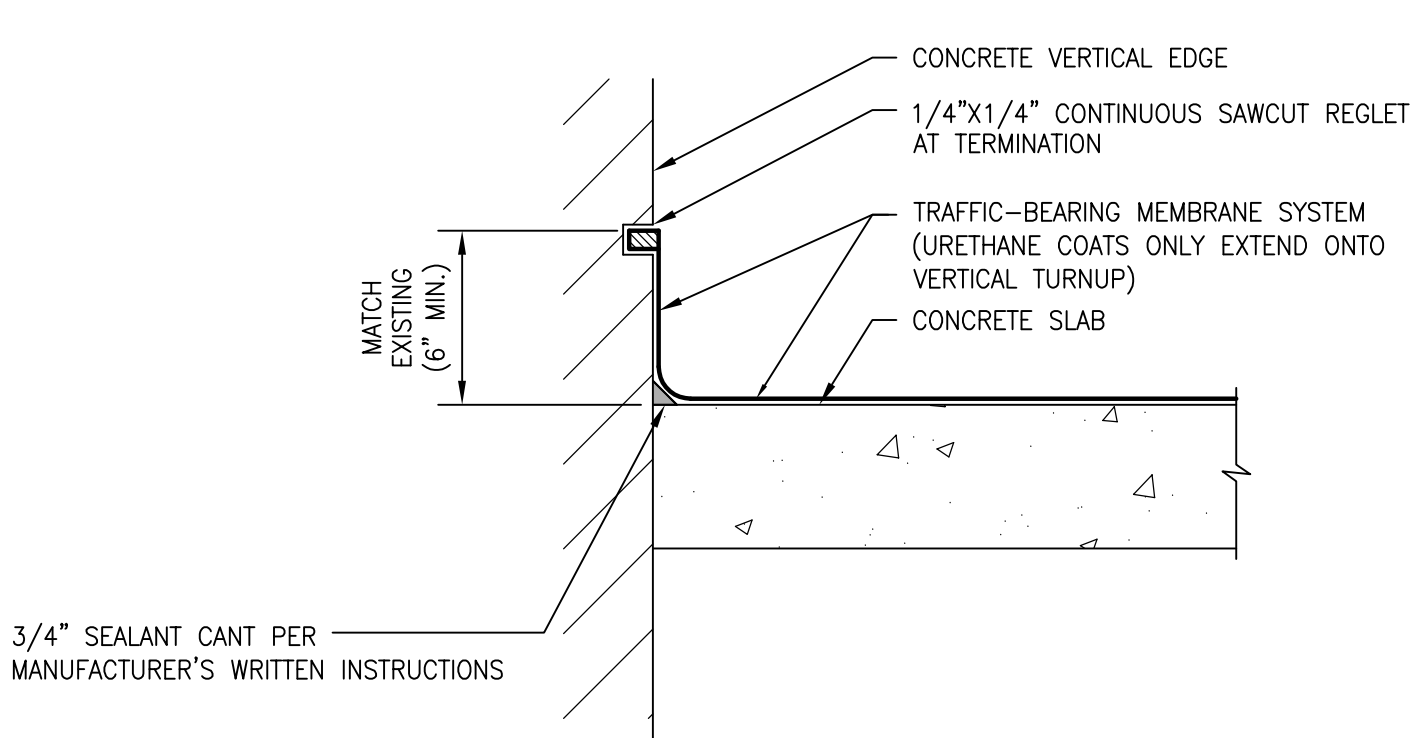


TYP. ROUT AND SEAL CRACK

N.T.S.

6
R500

REPAIR PROCEDURE D

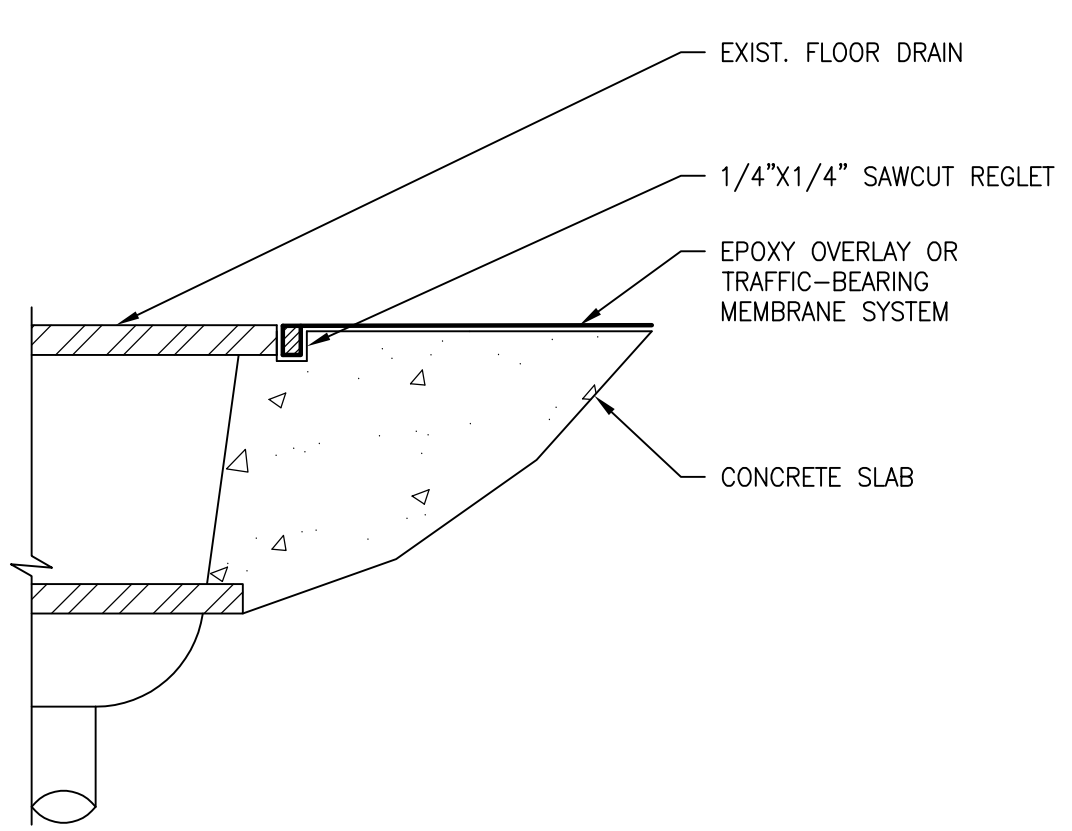


TYP. VERTICAL MEMBRANE TERMINATION WITH INSIDE CORNER

N.T.S.

7
R500

REPAIR PROCEDURES F & G

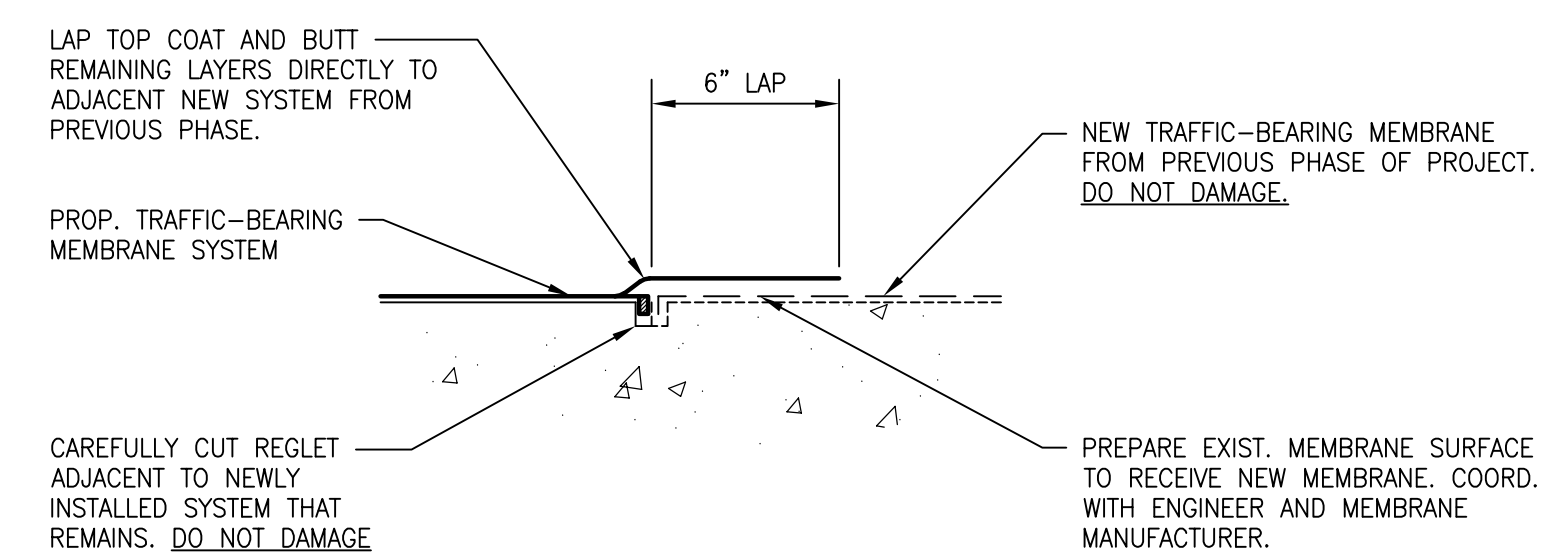


TYP. FLOOR DRAIN TERMINATION DETAIL

N.T.S.

8
R500

REPAIR PROCEDURES F & G



TYP. MEMBRANE TRANSITION DETAIL

N.T.S.

9
R500

REPAIR PROCEDURES F & G

ARSEE ENGINEERS, INC.
CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 FISHERS, INDIANA 46037-9459
317/594-5152 PHONE
317/594-9590 FAX

CERTIFIED BY
DANIEL M. CALABRESE
REGISTERED
No. PE11100284
STATE OF INDIANA
PROFESSIONAL ENGINEER

RENAISSANCE PLACE
PARKING GARAGE
2021 PHASE 1 PARKING FACILITY REPAIRS
215 E. MAIN ST.
LAFAYETTE, INDIANA 47901

SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
TYPICAL SECTIONS
AND DETAILS

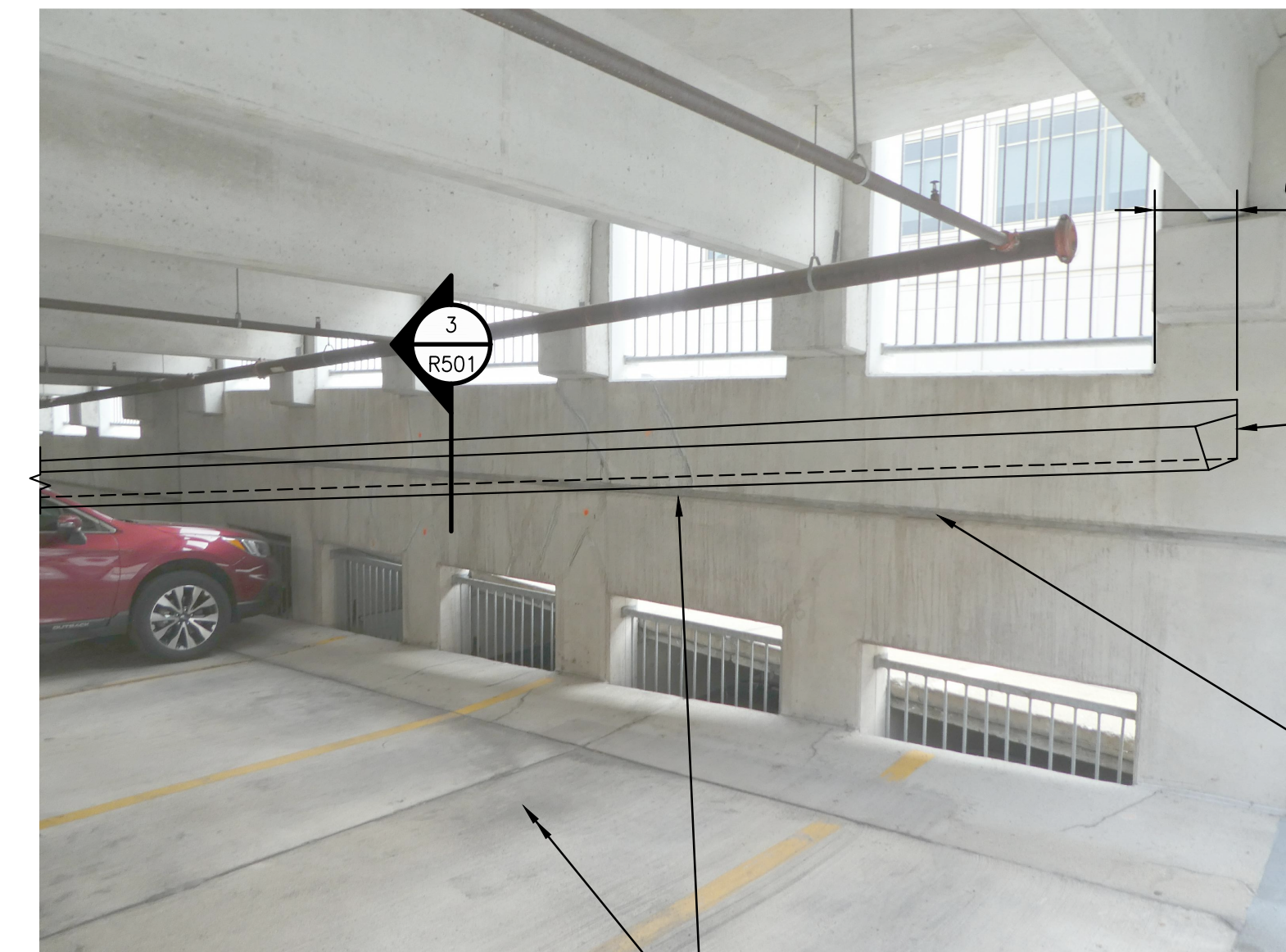
CHECKED BY: DMC
DRAWN BY: AWR
SCALE: NTS
DATE: MAY 7, 2021
SHEET NO.: R500



18 GA. TYPE 304 STAINLESS STEEL CONTINUOUS BOX GUTTER SYSTEM. FIELD VERIFY LENGTH AND SLOPE TO MAINTAIN MIN. CONTINUOUS CLEARANCE OF 4" BELOW THE BOTTOM OF THE EXIST. RAMP WALL OPENINGS. SEE SPECIFICATIONS FOR ADDITIONAL SHEET METAL REQUIREMENTS.

EXIST. FLOOR DRAIN — STAINLESS STEEL TYPE 304 DOWNSPOUT WITH 12" EXTENSION ANGLED TOWARDS TOP OF CONCRETE DECK IN DIRECTION OF ADJACENT FLOOR DRAIN. FASTEN DOWNSPOUT WITH STAINLESS STEEL BRACKETS AND CONC. SCREWS TOP AND BOTTOM.

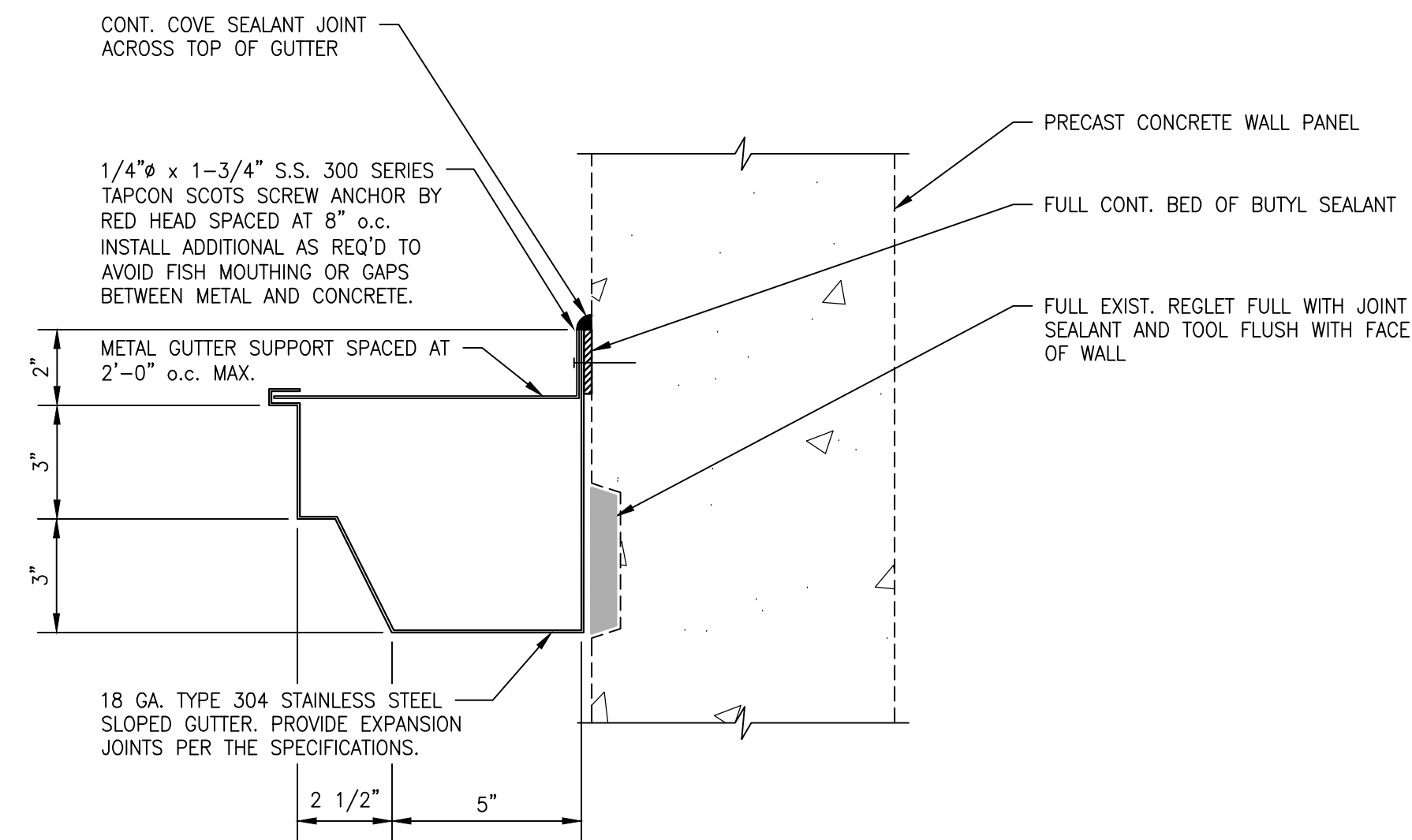
LEVEL 4 RAMP WALL 1
NTS R501



6" MIN. (TYP. EA. END)
WATERTIGHT SS 304 METAL END CAP DETAIL (TYP. EA. END)
REVEAL BELOW PROP. GUTTER SYSTEM DOES NOT RECEIVE JOINT SEALANT

FILL EXISTING REVEAL IN PRECAST PANEL FULL WITH JOINT SEALANT AT ALL LOCATIONS WHERE GUTTER PASSES OVER THE REVEAL AND WHERE THE REVEAL EXISTS ABOVE THE INSTALLED GUTTER ELEVATION

GUTTER SYSTEM DETAIL 2
NTS R501



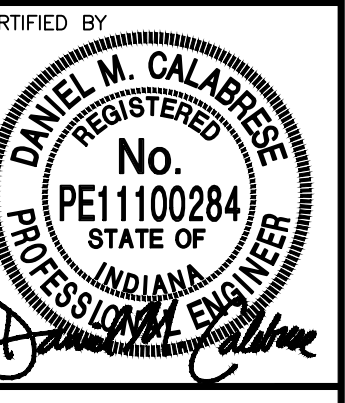
TYP. CUTTER SECTION 3
3"=1'-0" R501

FIELD VERIFY ALL EXISTING DIMENSIONS

CONTRACTOR NOTE:

PRIOR TO ANCHOR INSTALLATION IN CONC., THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL PROP. ANCHORS TO AVOID EXISTING STEEL REINFORCEMENT IN CONCRETE AT ALL CONNECTION LOCATIONS. REPORT ALL INTERFERENCES TO THE ENGINEER. DO NOT DAMAGE STEEL REINFORCEMENT.

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RENAISSANCE PLACE
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2021 PHASE 1 PARKING FACILITY REPAIRS
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SYM.	REVISION	DATE
A	OWNER REVIEW	04/20/21
O	FOR BID	05/07/21

TITLE
LEVEL 4
GUTTER DETAILS
(ALTERNATE #1)

CHECKED BY: DMC
DRAWN BY: AWR
SCALE: NTS
DATE: MAY 7, 2021
SHEET NO.: R501