DESIGN CRITERIA AND LOADS

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH:
   IBC 2015
   ASCE/SEI 7-10
   ACI 318-14
2. RISK CATEGORY II
3. LIVE LOADS:
   PARKING 40 PSF (UNREDUCIBLE)

GENERAL

1. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR THEIR EMPLOYEES AND SUBCONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE THE CONTRACTOR AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND THEIR PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE JOBSITE SAFETY. THE ENGINEER AND THE ENGINEER'S CONSULTANTS SHALL BE MADE ADDITIONAL INSUREDS UNDER THE CONTRACTOR'S GENERAL LIABILITY INSURANCE POLICY.
2. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE SEOR PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR SEOR.
3. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO CONSTRUCTION. START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
4. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.
5. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE SEOR PRIOR TO PROCEEDING WITH THE WORK.
6. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO DETERMINE FINAL DIMENSION WITH SEOR.
7. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
8. THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE ABOVE.
9. NO HOLES, NOTCHES, BLOCKOUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
10. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, EACH BIDDER SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPE OF EQUIPMENT, ETC. THE BID SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK WITHIN THE EXISTING CONDITIONS.
11. SHOP DRAWINGS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE SEOR. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR AND REVIEW BY THE SEOR SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE STRUCTURAL ENGINEER.
12. SHOP DRAWINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THE STRUCTURAL ENGINEER ON THE SHOP DRAWINGS DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS.
13. THE STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS, SPECIFICATIONS AND THE STRUCTURAL NOTES, THE STRICTEST PROVISION SHALL GOVERN.
14. WORK CONSTRUCTED PER THESE DRAWINGS SHALL BE INSPECTED BY AN INDEPENDENT TESTING AGENCY RETAINED BY CONTRACTOR TO ENSURE COMPLIANCE WITH THE REQUIREMENTS SHOWN ON THE DRAWINGS. SPECIAL INSPECTIONS REQUIRED BY THE BUILDING CODE, LOCAL BUILDING DEPARTMENT AND THE CONTRACT DOCUMENTS SHALL BE PERFORMED BY A QUALIFIED SPECIAL INSPECTOR. PROJECT SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE OR REPLACE INSPECTION.
15. USE OF ENGINEERING DRAWINGS AS ERECTION DRAWINGS BY THE CONTRACTOR IS STRICTLY PROHIBITED.
16. EXISTING CONDITIONS:
   A. EXISTING STRUCTURAL INFORMATION SHOWN WAS OBTAINED FROM EXISTING DRAWINGS DATED AUGUST 1991 BY PHILLIPS SWAGER ASSOCIATES.
   B. EXISTING STRUCTURAL INFORMATION SHOWN WAS OBTAINED FROM FIELD TAKE-OFF BY IMEG AS PERMITTED BY ACCESS RESTRICTIONS DURING DESIGN.
   C. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE. CONTRACTOR TO VERIFY EXISTING INFORMATION, DIMENSIONS AND SIZES AS REQUIRED TO COMPLETE THEIR WORK. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE AOR OR SEOR SO PROPER CLARIFICATION MAY BE MADE. MODIFICATION OF CONSTRUCTION DETAILS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.
17. EXISTING BUILDING MATERIAL PROPERTIES:
   A. CONCRETE SUPERSTRUCTURE - 4000PSI TYPICAL

REINFORCING STEEL

1. CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS:

DEFORMED BARS	ASTM A615, GR60	Fy = 60 KSI
WELDED WIRE REINFORCING	ASTM A1064	Fy = 65 KSI
EPOXY-COATED BARS	ASTM A775	Fy = 60 KSI
GALVANIZED-COATED BARS	ASTM A767	Fy = 60 KSI

2. MINIMUM CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS TO THE OUTERMOST REINFORCING BARS:

CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 BARS OR LARGER	2"
#5 BARS OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, JOISTS AND WALLS WITH #14 AND #18 BARS	1 1/2"
SLABS, JOISTS AND WALLS WITH #11 BARS OR SMALLER	3/4"
BEAMS, COLUMNS, PEDESTALS AND TENSION TIES	1 1/2"

3. BAR SPLICES SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS. ALL SPLICES SHALL BE CLASS 'B' AS DEFINED IN ACI 318. IF SPLICE LENGTH IS NOT GIVEN ON THE DRAWINGS, PROVIDE LAP LENGTH (IN INCHES) AS FOLLOWS:

BAR SIZE	4000 PSI CONCRETE OTHER	TOP
#3	19	25
#4	25	33
#5	31	41
#6	37	49
#7	54	71
#8	62	81
#9	70	91

   LAP LENGTHS ASSUME CLEAR SPACING BETWEEN BARS OF 2 BAR DIAMETERS, AND A MINIMUM COVER OF 1 BAR DIAMETER. FOR DEVELOPMENT LENGTHS, DIVIDE BY 1.3. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 1'-0" OF FRESH CONCRETE BELOW.
4. ALL REINFORCING IN CONCRETE USED FOR THE CONTAINMENT OF WATER SHALL BE HOT-DIP GALVANIZED OR EPOXY-COATED.
5. USE LOW HYDROGEN ELECTRODES, GRADE E-90, FOR WELDING OF REINFORCING BARS.

CAST-IN-PLACE CONCRETE

1. CONCRETE STRENGTHS SHALL CONFORM TO:

INTENDED USE	28-DAY STRENGTH (PSI)	MAX W/C RATIO	A/E	SLUMP
UNLESS NOTED OTHERWISE	4500	0.45	5-8%	1"-4"

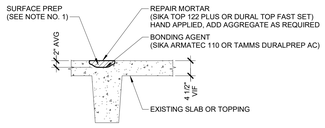
2. DRYPACK SHALL BE 1:3-1/2 PORTLAND CEMENT TO SAND WITH A MINIMUM 28-DAY STRENGTH OF 7000 PSI.
3. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, EDGES OF WALLS/GRADE BEAMS AND PIERS.
4. NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER 48 HOURS MINIMUM PRIOR TO ALL POURS.

POST-INSTALLED ANCHORS

1. ANCHORS SERVING AS THE BASIS OF DESIGN ARE SHOWN ON THE DRAWINGS. ACCEPTABLE ALTERNATIVE ANCHORS MAY BE SUPPLIED PROVIDED THE QUANTITY AND CONFIGURATION MATCH THE CAPACITY OF THE DESIGN ANCHOR QUANTITY AND CONFIGURATION. ANY ALTERNATES ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. BELOW SUMMARIZES EACH ANCHOR TYPE USED ON THE PROJECT.
2. ADHESIVE ANCHORS: SHALL CONSIST OF DEFORMED REINFORCING BARS OR ASTM A193 GRADE B7 RODS, HEAVY DUTY NUTS AND WASHERS AND A TWO COMPONENT STRUCTURAL ADHESIVE. WHERE ANCHORING INTO HOLLOW MASONRY, A SCREEN TUBE SHALL BE PROVIDED.

ANCHORED INTO	BASIS OF DESIGN	ACCEPTABLE ALTERNATES
CONCRETE	HILTI HIT-HY 200	DEWALT AC 200+ SIMPSON SET-3G

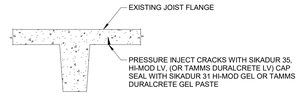
3. CRACKED CONCRETE REPRESENTS ALL CONCRETE FOR PROJECTS LOCATED IN SEISMIC DESIGN CATEGORY C OR HIGHER. TENSILE ZONES SUCH AS BOTTOMS OF BEAMS AND SLABS, OR WHERE NOTED ON THE DRAWINGS.



NOTES:

1. SURFACE PREPARATION:
   AREAS TO BE REPAIRED MUST BE CLEAN, SOUND AND FREE ON CONTAMINANTS. ALL LOOSE AND DETERIORATED CONCRETE SHALL BE REMOVED BY MECHANICAL MEANS - SAND BLASTING, SHOT BLASTING, OR WATER BLASTING.
2. PERIMETER OF CONCRETE REMOVAL WILL BE SAW CUT TO A 3/4" MIN. DEPTH.
3. WHERE HALF OR MORE OF THE PERIMETER OF REINFORCING BAR IS EXPOSED, BOND BETWEEN REINFORCING BAR AND SURROUNDING CONCRETE IS BROKEN, OR REINFORCING BAR IS CORRODED, REMOVE CONCRETE FROM ENTIRE PERIMETER OF BAR TO PROVIDE AT LEAST A 3/4" CLEARANCE AROUND BAR.

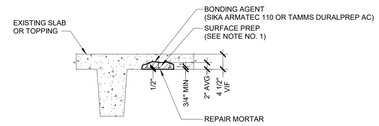
1 SPALL ON TOP OF SLAB REPAIR
3/4" = 1'-0"



NOTES:

1. SURFACE PREPARATION THE CRACKS AND ADJACENT SURFACE MUST BE CLEAN AND FREE OF FROST. REMOVE DUST, LAITANCE, GREASE, FOREIGN PARTICLES, EFFLORESENCE AND OTHER BOND INHIBITING MATERIALS FROM THE SURFACE BY MECHANICAL MEANS. I.E. - SAND BLASTING, HIGH PRESSURE WATER BLASTING. CONTRACTOR IS RESPONSIBLE TO CONTAIN DUST & DEBRIS.
2. REPAIR AREA MAY BE DRY OR DAMP. BUT FREE OF STANDING WATER PRIOR TO PRODUCT APPLICATION.
3. REMOVE CAP SEAL AFTER INJECTION.

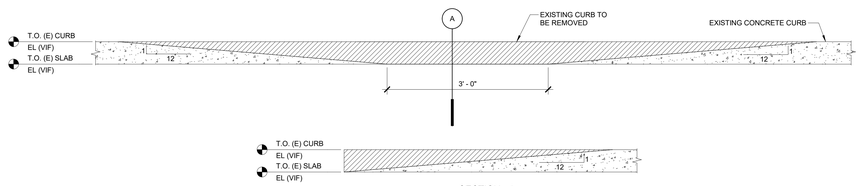
2 CRACK ON BOTTOM OF SLAB OR JOIST REPAIR
3/4" = 1'-0"



NOTES:

1. REMOVE EXISTING CONCRETE IN REPAIR AREA (HATCHED AREA) INCLUDING REMOVING DELAMINATED CONCRETE AND SAW CUTTING PERIMETER OF REPAIR AREA TO 3/4" MIN. DEPTH.
2. EXPOSED REINFORCING BARS WILL BE CLEANED TO NEAR WHITE METAL AND COATED AS PER SECTION 030130.
3. INSTALL HILTI KWIK CON II ANCHORS (3/16"Ø 1 3/4" EMBEDMENT) @ 8" OC EACH WAY.
4. REPAIR MATERIAL WILL BE SIKATOP 111 PLUS (FROM & POUR) OR SIKATOP 123 PLUS/DURAL TOP GEL (HAND APPLIED). FORMWORK IS INCLUDED IN THIS WORK ITEM. APPLY BONDING AGENT (SIKA ARMATEC 110 EPOCEM OR DURALPREP A.C.) BEFORE APPLYING REPAIR MATERIAL.

3 SPALL ON BOTTOM OF SLAB REPAIR
3/4" = 1'-0"

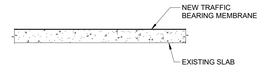


SECTION - A

NOTE:

1. CURB CUT APPLIES AT (2) LOCATIONS SHOWN IN PLAN, AND ALSO (2) IDENTICAL LOCATIONS AT THE BASEMENT LEVEL.

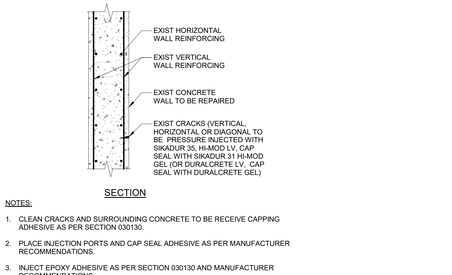
4 CONCRETE CURB SLAB CUT
1" = 1'-0"



NOTES:

1. REMOVE EXISTING TRAFFIC BEARING MEMBRANE.
2. PREPARE SURFACE FOR TRAFFIC-BEARING MEMBRANE COATING AS PER SECTION 071800.
3. APPLY TRAFFIC-BEARING MEMBRANE COATING AS PER SECTION 078100 AND MANUFACTURER RECOMMENDATIONS.
4. RESTRIPE SURFACE AS PER SPECS SECTION 099000.

5 TRAFFIC BEARING MEMBRANE ON SLAB
3/4" = 1'-0"

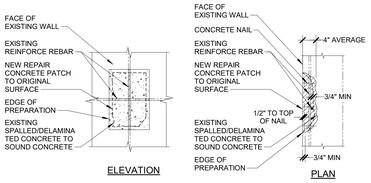


SECTION

NOTES:

1. CLEAN CRACKS AND SURROUNDING CONCRETE TO BE RECEIVE CAPPING ADHESIVE AS PER SECTION 030130.
2. PLACE INJECTION PORTS AND CAP SEAL ADHESIVE AS PER MANUFACTURER RECOMMENDATIONS.
3. INJECT EPOXY ADHESIVE AS PER SECTION 030130 AND MANUFACTURER RECOMMENDATIONS.
4. REMOVE CAP SEAL AFTER INJECTION.

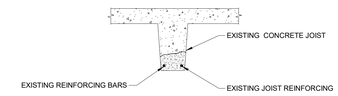
6 WALL CRACK REPAIR
3/4" = 1'-0"



NOTES:

1. REMOVE EXISTING CONCRETE IN REPAIR AREA (HATCHED AREA) INCLUDING REMOVING DELAMINATED CONCRETE AND SAW CUTTING PERIMETER OF REPAIR AREA TO 3/4" MIN. DEPTH.
2. EXPOSED REINFORCING BARS WILL BE CLEANED TO NEAR WHITE METAL AND COATED AS PER SECTION 030130.
3. INSTALL HILTI KWIK CON II ANCHORS (3/16"Ø 1 3/4" EMBEDMENT) @ 8" OC EACH WAY.
4. REPAIR MATERIAL WILL BE SIKATOP 111 PLUS (FROM & POUR) OR SIKATOP 123 PLUS/DURAL TOP GEL (HAND APPLIED). FORMWORK IS INCLUDED IN THIS WORK ITEM. APPLY BONDING AGENT (SIKA ARMATEC 110 EPOCEM OR DURALPREP A.C.) BEFORE APPLYING REPAIR MATERIAL.

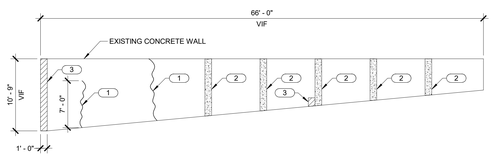
7 WALL SPALL REPAIR
3/4" = 1'-0"



NOTES:

1. REMOVE EXISTING CONCRETE IN REPAIR AREA (HATCHED AREA) INCLUDING REMOVING DELAMINATED CONCRETE AND SAW CUTTING PERIMETER OF REPAIR AREA TO 3/4" MIN. DEPTH. (APPROXIMATELY 10 FEET LONG EACH BEAM).
2. REINFORCING BAR PREPARATION: REMOVE LOOSE AND FLAKING RUST FROM REINFORCING BARS BY ABRASIVE BLAST CLEANING UNTIL ONLY TIGHTLY BONDED LIGHT RUST REMAINS. IF HALF OR MORE PERIMETER OF REINFORCING BAR IS EXPOSED, CHIP OUT BEHIND REINFORCEMENT BAR 3/4". WHERE SECTION LOSS OF REINFORCING BAR IS MORE THAN 25%, ADD NEW #5 BAR ADJACENT TO DISTRESSED BAR WITH SPLICE LENGTH OF 2'-0" EA. END BEYOND DISTRESSED AREA. REMOVE ADDITIONAL CONCRETE AS NECESSARY TO PROVIDE AT LEAST 3/4" CLEARANCE AT EXISTING AND REPLACEMENT BARS. EXPOSED REINFORCING BARS WILL BE CLEANED TO NEAR WHITE METAL. APPLY SIKA ARMATEC 100 EPOCEM TO EXPOSED EXISTING AND NEW REINFORCING BARS.
3. NEW REPAIR CONCRETE: XYPEX MEGA MIX II HAND APPLIED:
   a. FOLLOW MANUFACTURER'S INSTRUCTIONS.
   b. SUBSTRATE TO BE SATURATED SURFACE DRY DURING APPLICATION.
   c. INCLUDE XYPEX XYCYLIC ADMIX IN 2 PARTS OF WATER TO 1 PART OF XYCRYLIC IN MIX LIQUID.
   d. APPLY CURING COMPOUND CONFORMING TO ASTM C309, TYPE I, CLASS B AFTER FINISHING.
4. ALTERNATE APPLICATION: XYPEX MEGA MIX II SPRAYED:
   a. FOLLOW MANUFACTURER'S INSTRUCTIONS AND ACI 506.2.
   b. SUBSTRATE TO BE SATURATED SURFACE DRY DURING APPLICATION.
   c. INCLUDE XYPEX XYCYLIC ADMIX IN 2 PARTS OF WATER TO 1 PART OF XYCRYLIC IN MIX LIQUID.
   d. PROVIDE NATURAL ROD FINISH (SCREEDING).
   e. APPLY CURING COMPOUND CONFORMING TO ASTM C309, TYPE I, CLASS B AFTER FINISHING.

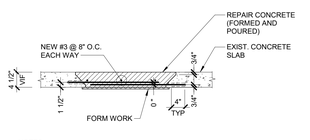
8 CONCRETE JOIST SPALL REPAIR
3/4" = 1'-0"



KEYNOTES: (#)

1. CONCRETE WALL CRACK REPAIR PER 6/S0.0.
2. CONCRETE WALL SPALL REPAIR PER 7/S0.0.
3. EXISTING WALL PATCHING TO BE REMOVED AND REPAIRED PER 7/S0.0.

9 EXISTING EXTERIOR WALL ELEVATION
1/8" = 1'-0"



NOTES:

1. REMOVE EXISTING CONCRETE IN REPAIR AREA (HATCHED AREA) INCLUDING REMOVING DELAMINATED CONCRETE AND SAW CUTTING PERIMETER OF REPAIR AREA TO 3/4" MIN. DEPTH.
2. EXPOSED REINFORCING BARS WILL BE CLEANED TO NEAR WHITE METAL AND COATED AS PER SECTION 030130. EXISTING REINFORCING NOT SHOWN FOR CLARITY.
3. INSTALL NEW REINFORCING BARS AS SHOWN EMBEDDED INTO EXISTING CONCRETE WITH HILTI-HIT HY 200. COAT NEW REINFORCING BARS AS PER SECTION 030130.
4. REPAIR CONCRETE WILL BE MICROSILICA CONCRETE AS PER SECTION 030130. FORMWORK IS INCLUDED IN THIS WORK ITEM.
5. FULL DEPTH REPAIR TO BE PERFORMED AS NEEDED DURING CONSTRUCTION. ESTIMATED QUANTITIES SHOWN IN SECTION 004113.

10 FULL DEPTH SLAB REPAIR
3/4" = 1'-0"

Palatine Public Library

700 N NORTH CT
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NAPERVILLE, IL
60563

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PROFESSIONAL SEAL

KEY PLAN

AGENCY APPROVAL

REVISIONS

No.	Date	Revision / Issue

SHEET INFORMATION

Issue	CONSTRUCTION/BIDDING
Date	11/13/2020
Job Number	20004468.00
Drawn	NITBIS
Checked	MICKUO
Approved	GLESPA

SHEET TITLE

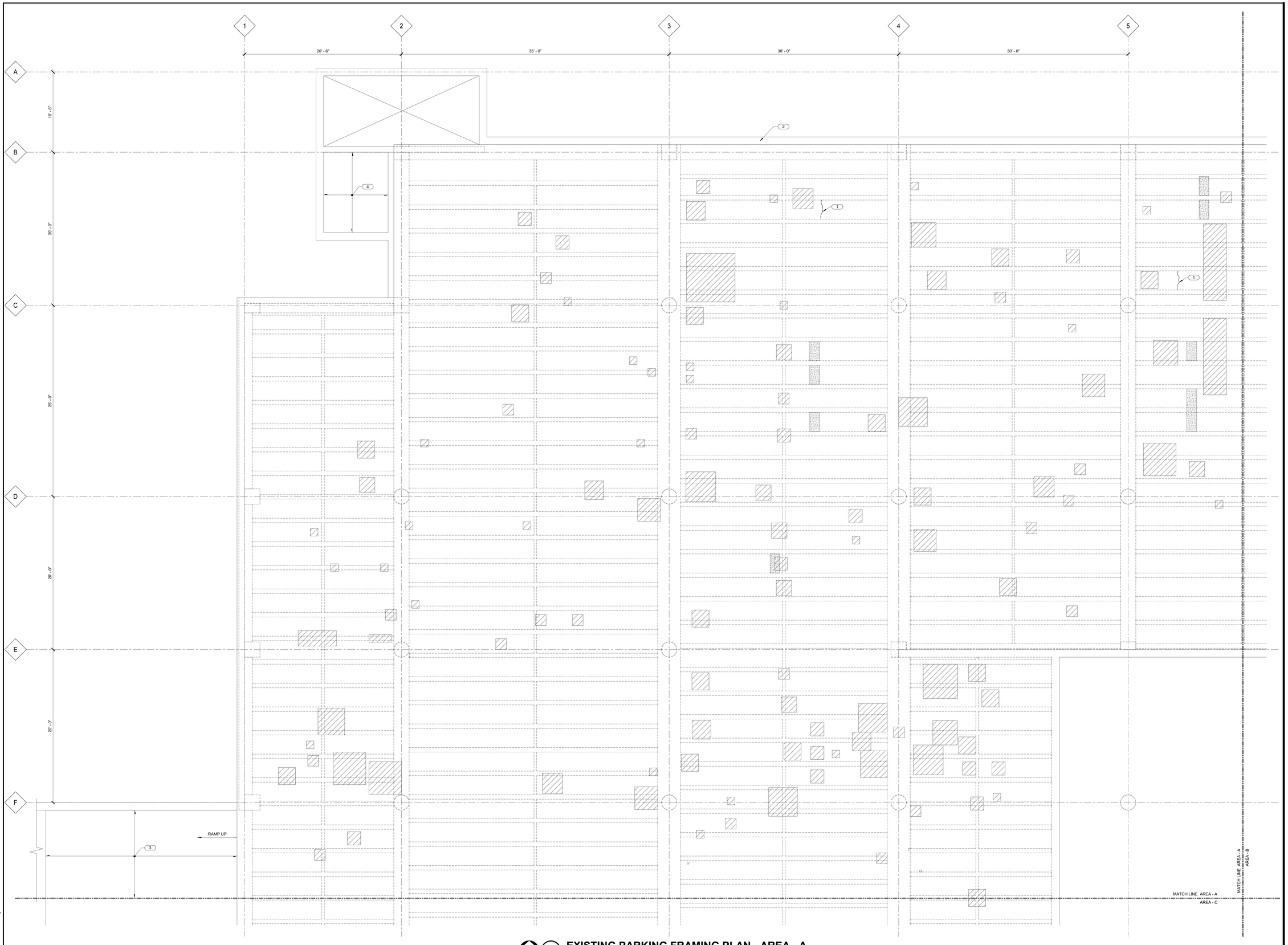
GENERAL NOTES AND DETAILS

SCALE

Scale: As indicated

SHEET NUMBER

S0.0



1 EXISTING PARKING FRAMING PLAN - AREA - A

1/4" = 1'-0"

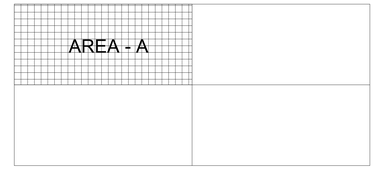
NORTH

NOTES:

1. ▨ INDICATES CONCRETE REPAIR ON TOP OF SLAB. SEE 1/S0.0.
2. ▨ INDICATES SPALL REPAIR ON BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 3/S0.0 AND 8/S0.0
3. REMOVE AND REPLACE ALL TRAFFIC BEARING MEMBRANE IN PLAN PER 5/S0.0. LOWER LEVEL PARKING IS NOT IN TRAFFIC BEARING MEMBRANE REPLACEMENT SCOPE.
4. VERIFY IN FIELD ALL EXISTING DIMENSIONS AND ELEVATIONS.

KEYNOTES: (#)

1. CONCRETE CRACK REPAIR AT BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 2/S0.0.
2. CONCRETE WALL CRACK REPAIR AT BASEMENT. SEE 6/S0.0.
3. EXISTING EXTERIOR CONCRETE SLAB-ON-GRADE RAMP REQUIRING RE-LEVELING. ESTIMATED AREA OF WORK IS 625 FT SQ. CONTRACTOR OPTIONS AS FOLLOWS:
   A. PUMP FLOWABLE CEMENT GROUT UNDERNEATH EXISTING SLAB TO JACK EXISTING SLAB BACK UP 1 1/2" MAX.
   B. DEMOLISH SLAB. MECHANICALLY COMPACT EXISTING SOILS AND NEW BACKFILL TO 95% MAXIMUM DRY DENSITY PER ASTM D1557. POUR NEW 5" PAVEMENT ON GRADE WITH TOP OF SLAB ALIGNED WITH PARKING STRUCTURE SLAB.
4. INTERIOR SLAB - NOT IN SCOPE.



KEYPLAN

20004468.00 11/13/2020 12:34:15 PM Palatine Public Library

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PROFESSIONAL SEAL

KEY PLAN

AGENCY APPROVAL

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SHEET INFORMATION

Issue	**CONSTRUCTION/BIDDING**
Date	**11/13/2020**
Job Number	**20004468.00**
Drawn	**NITBIS**
Checked	**MICKUO**
Approved	**GLESPA**

SHEET TITLE

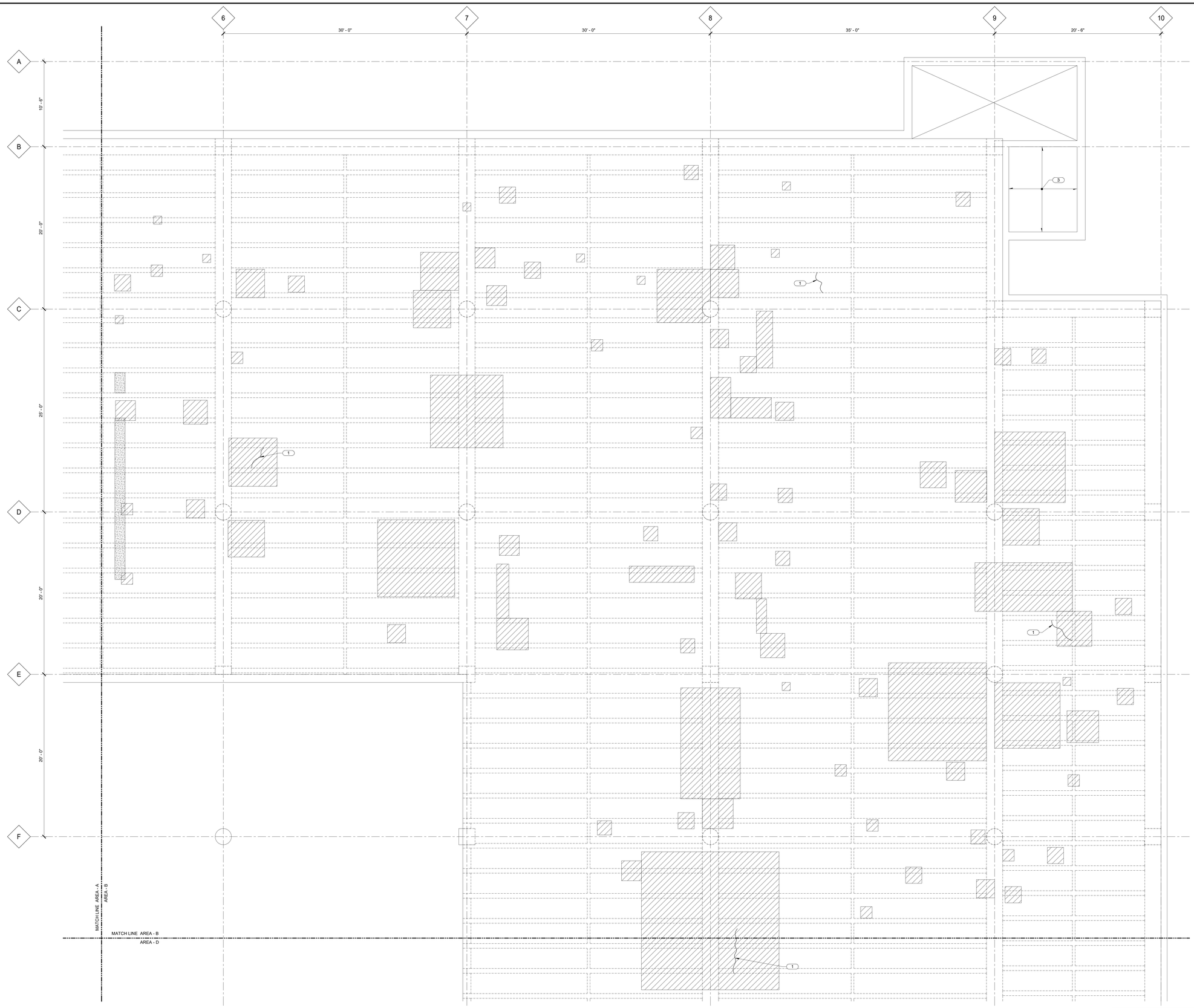
EXISTING PARKING FRAMING PLAN - AREA - A

SCALE

Scale: **As indicated**

SHEET NUMBER

S1.0



1 EXISTING PARKING FRAMING PLAN - AREA - B

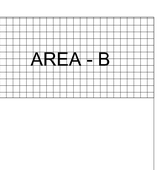
1/4" = 1'-0"

NOTES:

1. INDICATES CONCRETE REPAIR ON TOP OF SLAB. SEE 1/S0.0.
2. INDICATES SPALL REPAIR ON BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 3/S0.0 AND 8/S0.0
3. REMOVE AND REPLACE ALL TRAFFIC BEARING MEMBRANE IN PLAN PER 5/S0.0. LOWER LEVEL PARKING IS NOT IN TRAFFIC BEARING MEMBRANE REPLACEMENT SCOPE.
4. VERIFY IN FIELD ALL EXISTING DIMENSIONS AND ELEVATIONS.

KEYNOTES: (#)

1. CONCRETE CRACK REPAIR AT BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 2/S0.0.
2. CONCRETE WALL CRACK REPAIR AT BASEMENT. SEE 6/S0.0.
3. INTERIOR SLAB - NOT IN SCOPE.



KEYPLAN

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PROFESSIONAL SEAL

KEY PLAN

AGENCY APPROVAL

REVISIONS

No.	Date	Revision / Issue

SHEET INFORMATION

Issue	CONSTRUCTION/BIDDING
Date	11/13/2020
Job Number	20004468.00
Drawn	NITBIS
Checked	MICKUO
Approved	GLESPA

SHEET TITLE

EXISTING PARKING FRAMING PLAN - AREA - B

SCALE

Scale: **As indicated**

SHEET NUMBER

S1.1

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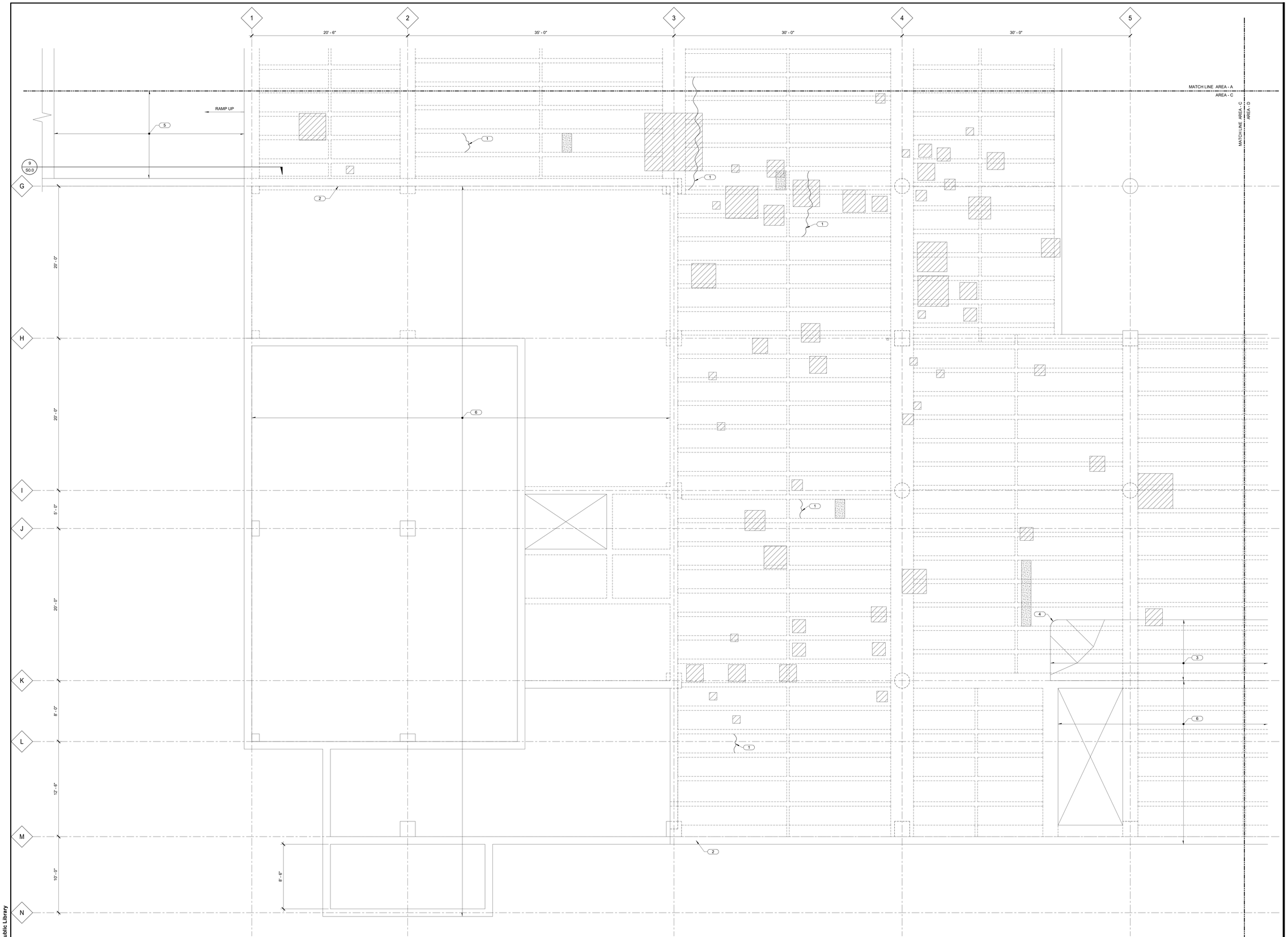


EXISTING PARKING FRAMING PLAN - AREA - C

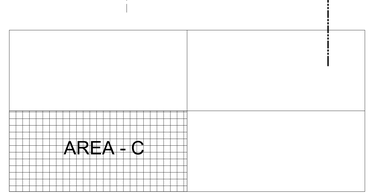
1/4" = 1'-0"

NOTES:

1. INDICATES CONCRETE REPAIR ON TOP OF SLAB. SEE 1/S0.0.
2. INDICATES SPALL REPAIR ON BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 3/S0.0 AND 8/S0.0
3. REMOVE AND REPLACE ALL TRAFFIC BEARING MEMBRANE IN PLAN PER 5/S0.0. LOWER LEVEL PARKING IS NOT IN TRAFFIC BEARING MEMBRANE REPLACEMENT SCOPE.
4. VERIFY IN FIELD ALL EXISTING DIMENSIONS AND ELEVATIONS.

KEYNOTES: (#)

1. CONCRETE CRACK REPAIR AT BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 2/S0.0.
2. CONCRETE WALL CRACK REPAIR AT BASEMENT. SEE 6/S0.0.
3. EXISTING CONCRETE CURB.
4. PROVIDE WHEELCHAIR ACCESSIBILITY CURB CUT PER 4/S0.0.
5. EXISTING EXTERIOR CONCRETE SLAB-ON-GRADE RAMP. SEE SHEET S1.0 FOR SCOPE OF WORK.
6. INTERIOR SLAB - NOT IN SCOPE.



KEYPLAN

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REVISIONS

No.	Date	Revision / Issue

SHEET INFORMATION

Issue	**CONSTRUCTION/BIDDING**
Date	**11/13/2020**
Job Number	**20004468.00**
Drawn	**NITBIS**
Checked	**MICKUO**
Approved	**GLESPA**

SHEET TITLE

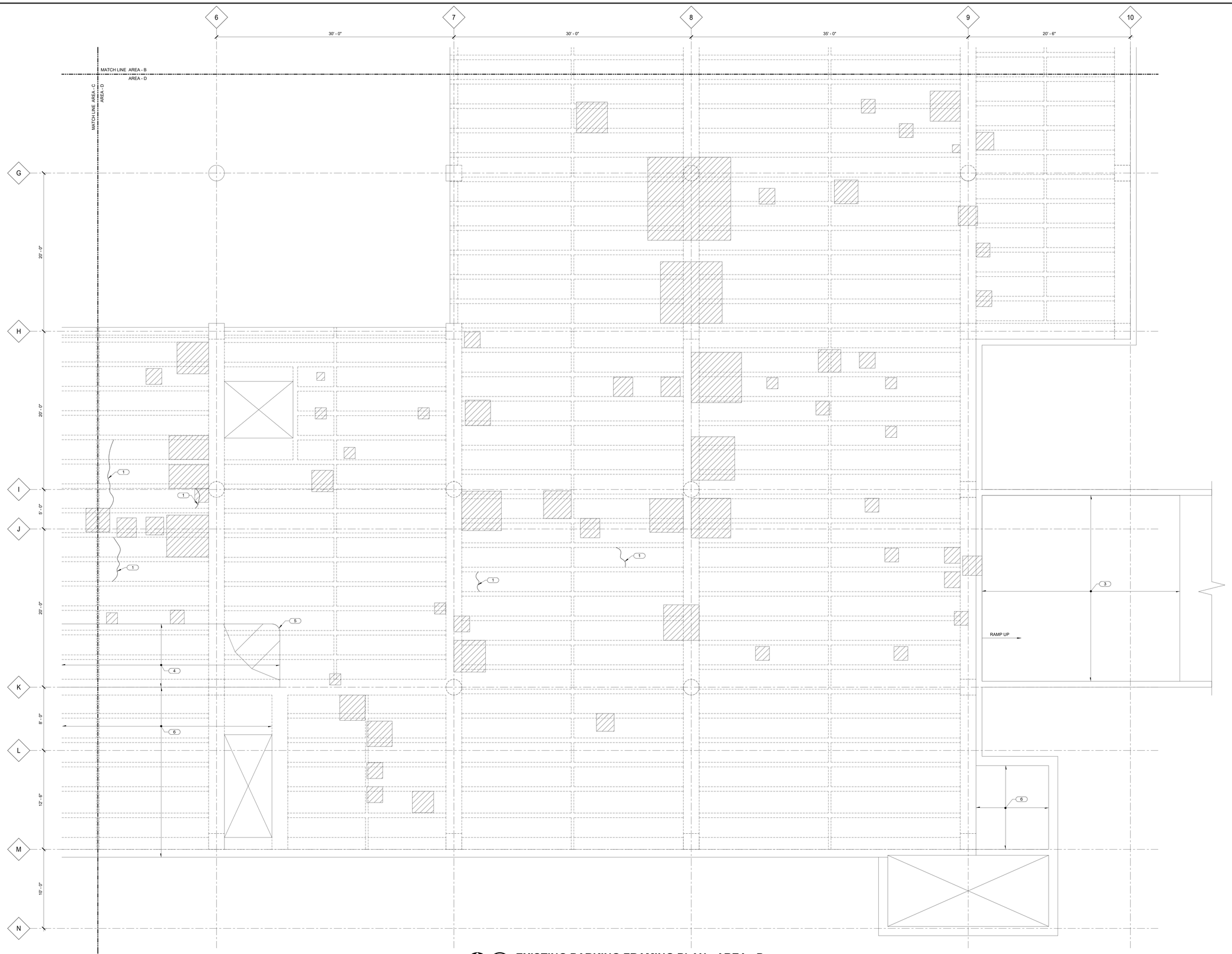
EXISTING PARKING FRAMING PLAN - AREA - C

SCALE

Scale: **As indicated**

SHEET NUMBER

S1.2



1 EXISTING PARKING FRAMING PLAN - AREA - D

1/4" = 1'-0"

NORTH

NOTES:

1. INDICATES CONCRETE REPAIR ON TOP OF SLAB. SEE 1/S0.0.
2. INDICATES SPALL REPAIR ON BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 3/S0.0 AND 8/S0.0
3. REMOVE AND REPLACE ALL TRAFFIC BEARING MEMBRANE IN PLAN PER 5/S0.0. LOWER LEVEL PARKING IS NOT IN TRAFFIC BEARING MEMBRANE REPLACEMENT SCOPE.
4. VERIFY IN FIELD ALL EXISTING DIMENSIONS AND ELEVATIONS.

KEYNOTES: (#)

1. CONCRETE CRACK REPAIR AT BOTTOM OF CONCRETE SLAB AND/OR JOIST. SEE 2/S0.0.
2. CONCRETE WALL CRACK REPAIR AT BASEMENT. SEE 6/S0.0.
3. EXISTING EXTERIOR CONCRETE SLAB-ON-GRADE RAMP. SOIL BELOW RAMP REQUIRING RE-LEVELING. ESTIMATED AREA OF WORK IS 625 FT². CONTRACTOR OPTIONS AS FOLLOWS:
   A. PUMP FLOWABLE CEMENT GROUT UNDERNEATH EXISTING SLAB TO JACK EXISTING SLAB BACK UP 2 1/2" MAX.
   B. DEMOLISH SLAB. MECHANICALLY COMPACT EXISTING SOILS AND NEW BACKFILL TO 95% MAXIMUM DRY DENSITY PER ASTM D1557. POUR NEW 5" PAVEMENT ON GRADE WITH TOP OF SLAB ALIGNED WITH PARKING STRUCTURE SLAB.
4. EXISTING CONCRETE CURB.
5. PROVIDE WHEELCHAIR ACCESSIBILITY CURB CUT PER 4/S0.0.
6. INTERIOR SLAB - NOT IN SCOPE.

KEYPLAN

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Drawn	NITBIS
Checked	MICKUO
Approved	GLESPA

SHEET TITLE

EXISTING PARKING FRAMING PLAN - AREA - D

SCALE

Scale: **As Indicated**

SHEET NUMBER

S1.3