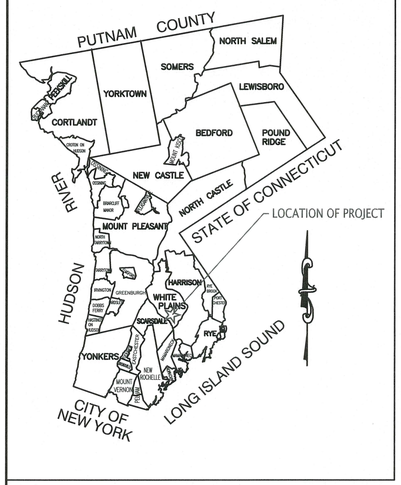
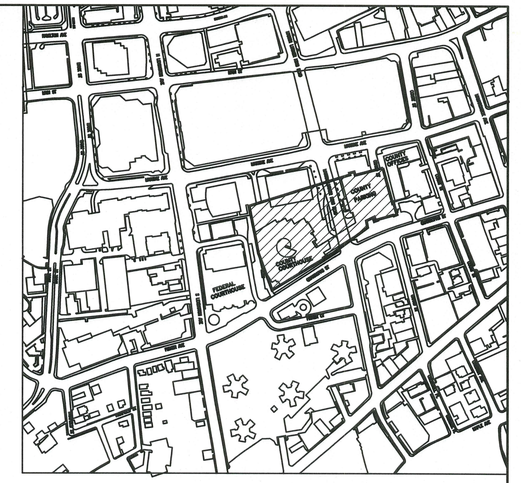


WESTCHESTER COUNTY
LOCATION MAP

Westchester gov.com

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT No. 19-515
PARKING GARAGE REHABILITATION - PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE
WHITE PLAINS, NEW YORK



LOCATION PLAN

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION
☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE
DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

APPROVED FOR NYS BUILDING & ENERGY CODE COMPLIANCE
Joseph Nicoletti Jr.
JOSEPH NICOLETTI JR. P.E.
County Building Inspector

RECOMMENDED FOR CONSTRUCTION 7/24/20 DATE
ROBERT S. DONNELLY, P.E.
DIRECTOR OF DESIGN COORDINATION
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

RECOMMENDED FOR CONSTRUCTION 7.24.2020 DATE
GAYLE M. KATZMAN, P.E.
FIRST DEPUTY COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

APPROVED FOR CONSTRUCTION DATE
HUGH J. GREECHAN, JR., P.E.
COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

TITLE SHEET

CONTRACT NUMBER 19-515
SHEET NUMBER A000
SHEET NO. 1 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-T-348-0
REV. NO.

PROJECT: Westchester County Parking Garage — **CODE ANALYSIS**
ADDRESS: 148 Martine Ave White Plains, NY
PREPARED BY: Lothrop Associates LLP
Project No.: 2058-01 — **July 16, 2020**

International Property Maintenance Code Analysis - IPMC 2020

THESE PLANS ARE IN CONFORMANCE WITH THE FOLLOWING CODES TO THE EXTENT THAT THEY APPLY TO THE EXISTING BUILDING WHERE THE SCOPE OF WORK IS A REPAIR IN ACCORDANCE WITH CHAPTER 4 OF THE EXISTING BUILDING CODE OF NEW YORK STATE:

2020 International Building Code
2020 International Existing Building Code
2020 International Fire Code
2020 International Plumbing Code
2020 International Mechanical Code
2020 International Fuel Gas Code
2020 International Property Maintenance Code
2020 International Energy Conservation Code
2016 ASHRAE 90.1
NFPA 70

CHAPTER 1 - SCOPE AND ADMINISTRATION

CHAPTER 2 - DEFINITIONS

CHAPTER 3 - GENERAL REQUIREMENTS

301 GENERAL - APPLIES
302 EXTERIOR PROPERTY AREAS - APPLIES
303 SWIMMING POOLS, SPAS AND HOT TOPS - N/A
304 EXTERIOR STRUCTURE - APPLIES
305 INTERIOR STRUCTURE - APPLIES
306 COMPONENT SERVICEABILITY - APPLIES
307 HANDRAILS AND GUARDRAILS - APPLIES
308 RUBBISH AND GARBAGE - APPLIES
309 PEST ELIMINATION - APPLIES
310 LIVE FIRE TRAINING FACILITIES - N/A

CHAPTER 4 - LIGHT, VENTILATION AND OCCUPANCY LIMITATIONS

401 GENERAL - APPLIES
402 LIGHT - APPLIES
403 VENTILATION - APPLIES
404 OCCUPANCY LIMITATIONS - APPLIES

CHAPTER 5 - PLUMBING FACILITIES AND FIXTURE REQUIREMENTS

501 GENERAL - APPLIES
502 REQUIRED FACILITIES - N/A
503 TOILET ROOMS - N/A
504 PLUMBING SYSTEMS AND FIXTURES - N/A
505 WATER SYSTEM - N/A
506 SANITARY DRAINAGE SYSTEM - N/A
507 STORM DRAINAGE - APPLIES

CHAPTER 6 - MECHANICAL AND ELECTRICAL REQUIREMENTS

601 GENERAL - APPLIES
602 HEATING FACILITIES - N/A
603 MECHANICAL EQUIPMENT - N/A
604 ELECTRICAL FACILITIES - APPLIES
605 ELECTRICAL EQUIPMENT - APPLIES
606 ELEVATORS, ESCALATORS AND DUMBWAITERS - APPLIES
607 DUCT SYSTEMS - APPLIES
608 ASSISTIVE LISTENING SYSTEMS - N/A

CHAPTER 7 - FIRE SAFETY REQUIREMENTS

701 GENERAL - APPLIES
702 MEANS OF EGRESS - APPLIES
703 FIRE-RESISTANCE RATINGS - APPLIES
704 FIRE PROTECTION SYSTEMS - APPLIES
705 CARBON MONOXIDE ALARMS AND DETECTION - N/A

PROJECT: Westchester County Parking Garage — **CODE ANALYSIS**
ADDRESS: 148 Martine Ave White Plains, NY
PREPARED BY: Lothrop Associates LLP
Project No.: 2058-01 — **July 16, 2020**

International Existing Building Code Analysis - IEBC 2020

THESE PLANS ARE IN CONFORMANCE WITH THE FOLLOWING CODES TO THE EXTENT THAT THEY APPLY TO THE EXISTING BUILDING WHERE THE SCOPE OF WORK IS A REPAIR IN ACCORDANCE WITH CHAPTER 4 OF THE EXISTING BUILDING CODE OF NEW YORK STATE:

2020 International Building Code
2020 International Existing Building Code
2020 International Fire Code
2020 International Plumbing Code
2020 International Mechanical Code
2020 International Fuel Gas Code
2020 International Property Maintenance Code
2020 International Energy Conservation Code
2016 ASHRAE 90.1
NFPA 70

USE AND OCCUPANCY CLASSIFICATION

EXISTING OCCUPANCY: PARKING GARAGE — **LOW HAZARD STORAGE, S2**
PROPOSED OCCUPANCY: PARKING GARAGE — **LOW HAZARD STORAGE, S2**

CONSTRUCTION CLASSIFICATION

CONSTRUCTION CLASSIFICATION IS TYPE 1A - NONCOMBUSTIBLE, CONCRETE STRUCTURE

STORIES

(3) STORIES BELOW GRADE, (9) STORIES ABOVE GRADE

SPRINKLER

BUILDING IS PARTIALLY SPRINKLERED - BELOW GRADE ONLY

FIRE ALARM

BUILDING IS PROTECTED WITH A FIRE ALARM SYSTEM

CHAPTER 4 - REPAIRS

401 GENERAL

401.1 REPAIRS SHALL COMPLY WITH THE REQUIREMENTS OF THIS CHAPTER

401.2 THE WORK SHALL NOT MAKE THE BUILDING LESS COMPLYING THAN IT WAS BEFORE THE REPAIR WAS UNDERTAKEN

402 BUILDING ELEMENTS AND MATERIALS

402.1 REPLACEMENT GLAZING IN HAZARDOUS LOCATIONS SHALL COMPLY WITH THE SAFETY GLAZING REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE

EXCEPTION: GLASS BLOCK WALLS, LOUVERED WINDOWS AND JALOUSIES REPAIRED WITH LIKE MATERIALS

403 FIRE PROTECTION

403.1 REPAIRS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED

404 MEANS OF EGRESS

404.1 REPAIRS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS

405 STRUCTURAL

405.1 STRUCTURAL REPAIRS SHALL BE IN COMPLIANCE WITH THIS SECTION AND SECTION 401.2

405.2 REPAIRS TO DAMAGED BUILDINGS SHALL COMPLY WITH THIS SECTION

405.2.1 UNLESS OTHERWISED REQUIRED BY THIS SECTION, FOR DAMAGE LESS THAN SUBSTANTIAL STRUCTURAL DAMAGE, THE DAMAGED ELEMENTS SHALL BE PERMITTED TO BE RESTORED TO THEIR PREDAMAGED CONDITION

405.2.1.1 STRUCTURAL COMPONENTS WHOSE DAMAGE WAS CAUSED BY OR RELATED TO SNOW LOAD EFFECTS SHALL BE REPAIRED, REPLACED OR ALTERED TO SATISFY THE REQUIREMENTS OF SECTION 1608 OF THE BUILDING CODE OF NEW YORK STATE

405.2.2 A BUILDING ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F THAT HAS SUSTAINED DISPROPORTIONATE EARTHQUAKE DAMAGE SHALL BE SUBJECT TO THE REQUIREMENTS FOR BUILDINGS WITH SUBSTANTIAL STRUCTURAL DAMAGE TO VERTICAL ELEMENTS OF THE LATERAL FORCE SYSTEM

405.2.3 A BUILDING THAT HAS SUSTAINED SUBSTANTIAL STRUCTURAL DAMAGE TO THE VERTICAL ELEMENTS OF ITS LATERAL FORCE-RESISTING SYSTEM SHALL BE EVALUATED IN ACCORDANCE WITH SECTION 405.2.3.1, AND EITHER REPAIRED IN ACCORDANCE WITH SECTION 405.2.3.2 OR REPAIRED AND RETROFITTED IN ACCORDANCE WITH SECTION 405.2.3.3, DEPENDING ON THE RESULTS OF THE EVALUATION.

EXCEPTIONS:

1. BUILDINGS ASSIGNED TO SEISMIC DESIGN CATEGORY A, B OR C WHOSE SUBSTANTIAL STRUCTURAL DAMAGE WAS NOT CAUSED BY EARTHQUAKE NEED NOT BE EVALUATED OR RETROFITTED FOR LOAD COMBINATIONS THAT INCLUDE EARTHQUAKE EFFECTS

2. ONE-AND TWO-FAMILY DWELLINGS NEED NOT BE EVALUATED OR RETROFITTED FOR LOAD COMBINATIONS THAT INCLUDE EARTHQUAKE EFFECTS

405.2.3.1 THE BUILDING SHALL BE EVALUATED BY A REGISTERED DESIGN PROFESSIONAL, AND THE EVALUTION FINDINGS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL. THE EVALUATION SHALL ESTABLISH WHETHER THE DAMAGED BUILDING, IF REPAIRED TO ITS PREDAMAGED STATE, WOULD COMPLY WITH THE PROVISIONS OF THE BUILDING CODE OF NEW YORK STATE FOR LOAD COMBINATIONS THAT INCLUDE WIND OR EARTHQUAKE EFFECTS, EXCEPT THAT THE SEISMIC FORCES SHALL BE THE REDUCED SEISMIC FORCES.

405.2.3.2 IF THE EVALUATION ESTABLISHES THAT THE BUILDING IN ITS PREDAMAGED CONDITION COMPLIES WITH THE PROVISIONS OF SECTION 405.2.3.1, THEN THE DAMAGED ELEMENTS SHALL BE PERMITTED TO BE RESTORED TO THEIR PREDAMAGED CONDITION.

405.2.3.3 IF THE EVALUATION DOES NOT ESTABLISH THAT THE BUILDING IN ITS PREDAMAGED CONDITION COMPLIES WITH THE PROVISIONS OF SECTION 405.2.3.1, THEN THE BUILDING SHALL BE RETROFITTED TO COMPLY WITH THE PROVISIONS OF THIS SECTION. THE WIND LOADS FOR THE REPAIR AND RETROFIT SHALL BE THOSE REQUIRED BY THE BUILDING CODE IN EFFECT AT THE TIME OF ORIGINAL CONSTRUCTION, UNLESS THE DAMAGE WAS CAUSED BY WIND, IN WHICH CASE THE WIND LOADS SHALL BE IN ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE. THE SEISMIC LOADS FOR THIS RETORFIT DESIGN SHALL BE THOSE REQUIRED BY THE BUILDING CODE IN EFFECT AT THE TIME OF THE ORIGINAL CONSTRUCTION, BUT NOT LESS THAN THE REDUCED SEISMIC FORCES.

405.2.4 GRAVITY LOAD-CARRYING COMPONENTS THAT HAVE SUSTAINED SUBSTANTIAL STRUCTURAL DAMAGE SHALL BE REHABILITATED TO COMPLY WITH THE APPLICABLE PROVISIONS FOR DEAD AND LIVE LOADS IN THE BUILDING CODE OF NEW YORK STATE. SNOW LOADS SHALL BE CONSIDERED IF THE SUBSTANTIAL STRUCTURAL DAMAGE WAS CAUSED BY OR RELATED TO SNOW LOAD EFFECTS. UNDAMAGED GRAVITY LOAD-CARRYING COMPONENTS SHALL ALSO BE REHABILITATED IF REQUIRED TO COMPLY WITH THE DESIGN LOADS OF THE REHABILITATION DESIGN.

405.2.4.1 REGARDLESS OF THE LEVEL OF DAMAGE TO VERTICAL ELEMENTS OF THE LATERAL FORCE-RESISTING SYSTEM, IF SUBSTANTIAL STRUCTURAL DAMAGE TO GRAVITY LOAD-CARRYING COMPONENTS WAS CAUSED PRIMARILY BY WIND OR SEISMIC EFFECTS, THEN THE BUILDING SHALL BE EVALUATED IN ACCORDANCE WITH SECTION 405.2.3.1 AND, IF NONCOMPLIANT, RETROFITTED IN ACCORDANCE WITH SECTION 405.2.3.3.

EXCEPTIONS:

1. BUILDING ASSIGNED TO SEISMIC DESIGN CATEGORY A, B OR C WHOSE SUESTANTIAL STRUCTURAL DAMAGE WAS NOT CAUSED BY EARTHQUAKE NEED NOT BE EVALUATED OR RETROFITTED FOR LOAD COMBINATIONS THAT INCLUDE EARTHQUAKE EFFECTS

2. ONE-AND TWO-FAMILY DWELLINGS NEED NOT BE EVALUATED OR RETROFITTED FOR LOAD COMBINATIONS THAT INCLUDE EARTHQUAKE EFFECTS

405.2.5 IN FLOOD HAZARD AREAS, BUILDINGS THAT HAVE SUSTAINED SUBSTANTIAL DAMAGE SHALL BE BROUGHT INTO COMPLIANCE WITH SECTION 1612 OF THE BUILDING CODE OF NEW YORK STATE, OR SECTION R322 OF THE RESIDENTIAL CODE OF NEW YORK STATE, AS APPLICABLE.

406 ELECTRICAL

406.1 EXISTING ELECTRICAL WIRING AND EQUIPMENT UNDERGOING REPAIR SHALL BE ALLOWED TO BE REPAIRED OR REPLACED WITH LIKE MATERIAL

406.1.1 REPLACEMENT OF ELECTRICAL RECEPTACLES SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF SECTION 406.4(D) OF NFPA 70

406.1.2 PLUG FUSES OF THE EDISON-BASE TYPE SHALL BE USED FOR REPLACEMENTS ONLY WHERE THERE IS NO EVIDENCE OF OVER FUSING OR TAMPERING PER APPLICABLE REQUIREMENTS OF SECTION 240.51(B) OF NFPA 70.

406.1.3 FOR REPLACEMENT OF NONGROUNDING-TYPE RECEPTACLES WITH GROUNDING-TYPE RECEPTACLES AND FOR BRANCH CIRCUITS THAT DO NOT HAVE AN EQUIPMENT GROUNDING CONDUCTOR IN THE BRANCH CIRCUITRY, THE GROUNDING CONDUCTOR OF A GROUNDING-TYPE RECEPTACLE OUTLET SHALL BE PERMITTED TO BE GROUNDED TO ANY ACCESSIBLE POINT ON THE GROUNDING ELECTRODE SYSTEM OR TO ANY ACCESSIBLE POINT ON THE GROUNDING ELECTRODE CONDUCTOR IN ACCORDANCE WITH SECTION 250.130(C) OF NFPA 70.

406.1.4 GROUP I-2 RECEPTACLES - N/A

406.1.5 GROUNDING OF APPLIANCES - N/A

407 MECHANICAL

407.1 EXISTING MECHANICAL SYSTEMS UNDERGOING REPAIR SHALL NOT MAKE THE BUILDING LESS COMPLYING THAN IT WAS BEFORE THE DAMAGE OCCURRED

407.2 MECHANICAL DRAFT SYSTEMS FOR MANUALLY FIRED APPLIANCES AND FIREPLACES - N/A

408 PLUMBING

408.1 PLUMBING MATERIALS AND SUPPLIES SHALL NOT BE USED FOR REPAIRS THAT ARE PROHIBITED IN THE PLUMBING CODE OF NEW YORK STATE

408.2 WHEN ANY WATER CLOSET IS REPLACED, THE REPLACEMENT WATER CLOSET SHALL COMPLY WITH SECTION 604.4 OF THE PLUMBING CODE OF NEW YORK STATE

EXCEPTION: BLOWOUT-DESIGN WATER CLOSETS [3.5 GALLONS (1.3 L) PER FLUSHING CYCLE]

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	BH	MB	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

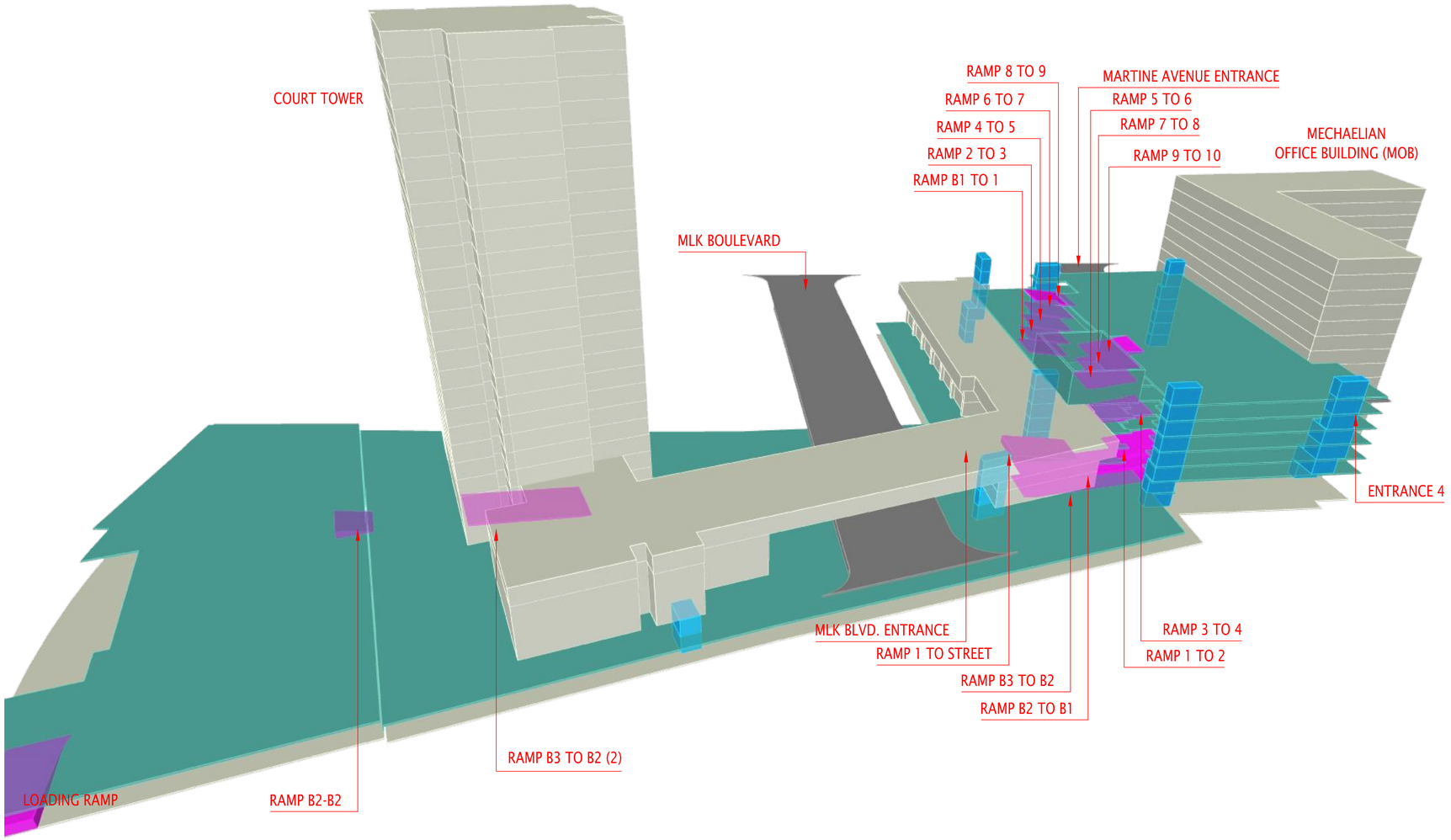
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

CODE COMPLIANCE SHEET

CONTRACT NUMBER: 19-515
SHEET NUMBER: A000.1
SHEET NO. 2 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-A-349-0
REV. NO.:

NOTE: THIS DRAWING SHOULD BE PRINTED IN COLOR FOR MAXIMUM READABILITY



3D RAMP LOCATION DIAGRAM

SUGGESTED CONSTRUCTION SEQUENCE

DESCRIPTION OF WORK	DURATION
RAMP FROM MARTIN LUTHER BLVD. TO LEVEL 1 TO LEVEL 2 NOTE: CONTRACTOR TO BE RESPONSIBLE TO PROVIDE SECURITY SERVICES AT MARTINE AVENUE ENTRANCE DURING REPAIRS TO RAMP AT MARTIN LUTHER BLVD. TO LEVEL 2 UNTIL COMPLETED. REFER TO SECTIONS 015000 OF THE SPECIFICATION MANUAL FOR ADDITIONAL INFORMATION.	75 DAYS TO COMPLETE
RAMP FROM LEVEL B2 TO LEVEL B1	60 DAYS TO COMPLETE
RAMP FROM LEVEL 8 TO LEVEL 9	45 DAYS TO COMPLETE
RAMP FROM LEVEL 9 TO LEVEL 10	45 DAYS TO COMPLETE
LEVEL 9 (INCLUDING ALL REPAIRS, WATERPROOFING, STRIPING AND LEVEL 8 TO LEVEL 9 RAMP)	45 DAYS TO COMPLETE
LEVEL 10 (INCLUDING ALL REPAIRS, WATERPROOFING, STRIPING AND LEVEL 9 TO LEVEL 10 RAMP)	60 DAYS TO COMPLETE
NOTE: THE FOLLOWING WORK CAN BE DONE CONCURRENT WITH OTHER WORK:	
RAMP LEVEL B1 TO LEVEL 1 – MAY BE REPLACED AT THE SAME TIME THE RAMP FROM MARTIN LUTHER BLVD. TO LEVEL 1 TO LEVEL 2 IS BEING REPLACED	45 DAYS TO COMPLETE
LEVEL B3 – ALL WORK AS SHOWN AROUND COLUMN LINE E–11 (INCLUDING EXPANSION JOINT REPLACEMENT, CONCRETE SLAB REPAIR, STRIPING, LOBBY REPAIRS AND WATERPROOFING SEALER)	50 DAYS TO COMPLETE
LEVEL B2 – ALL WORK AS SHOWN AROUND COLUMN LINE E–11 (INCLUDING EXPANSION JOINT REPLACEMENT, CONCRETE SLAB REPAIR, STRIPING, LOBBY REPAIRS AND WATERPROOFING SEALER)	50 DAYS TO COMPLETE
PLAZA AT COURTHOUSE – REPLACE EXPANSION JOINT, REMOVE AND REPLACE CONCRETE SIDEWALK (MATCH EXISTING PATTERN)	30 DAYS TO COMPLETE
ALTERNATE NO. 1 – REPLACE EXISTING EXPANSION JOINT AS SHOWN ON PLANS, INSTALL ALL DRAINAGE, REMOVE AND REPLACE CONCRETE SIDEWALK (MATCH EXISTING PATTERN)	85 DAYS TO COMPLETE
ALTERNATE NO. 2 – LEVEL 8 COLUMN REPAIRS (STRUCTURAL AND MISCELLANEOUS REPAIRS)	60 DAYS TO COMPLETE

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
3D RAMP LOCATION DIAGRAM

CONTRACT NUMBER: 19–515
SHEET NUMBER: A001
SHEET NO. 3 OF 87
SCALE: NOT TO SCALE
DATE: 7–23–2020
DPW FILE NO.: 52–01–A–350–0
REV. NO.:

IN CHARGE OF: BOB GABALSKI
CHECKED BY: MICHAEL BERTA
MADE BY: BRETT HUTTMAN

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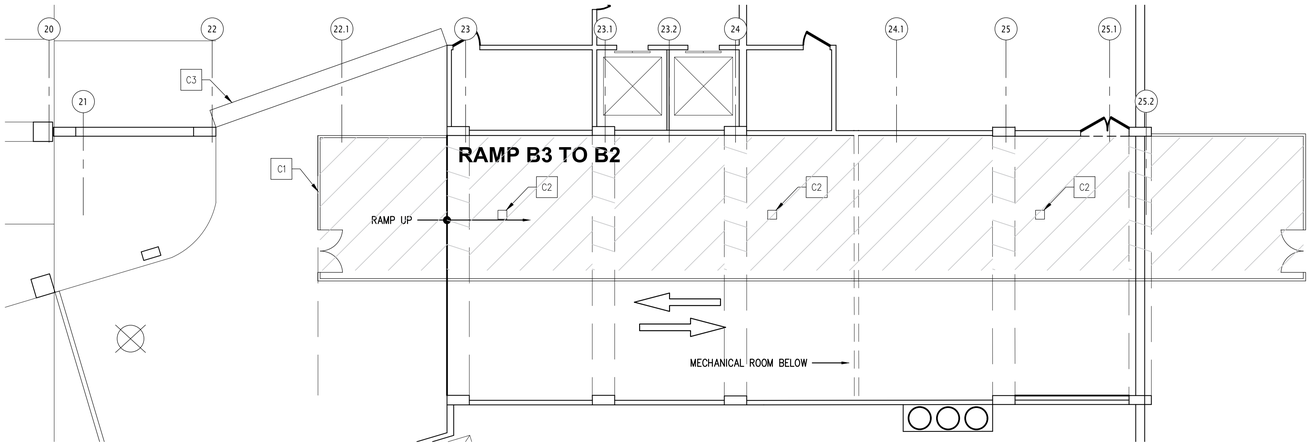
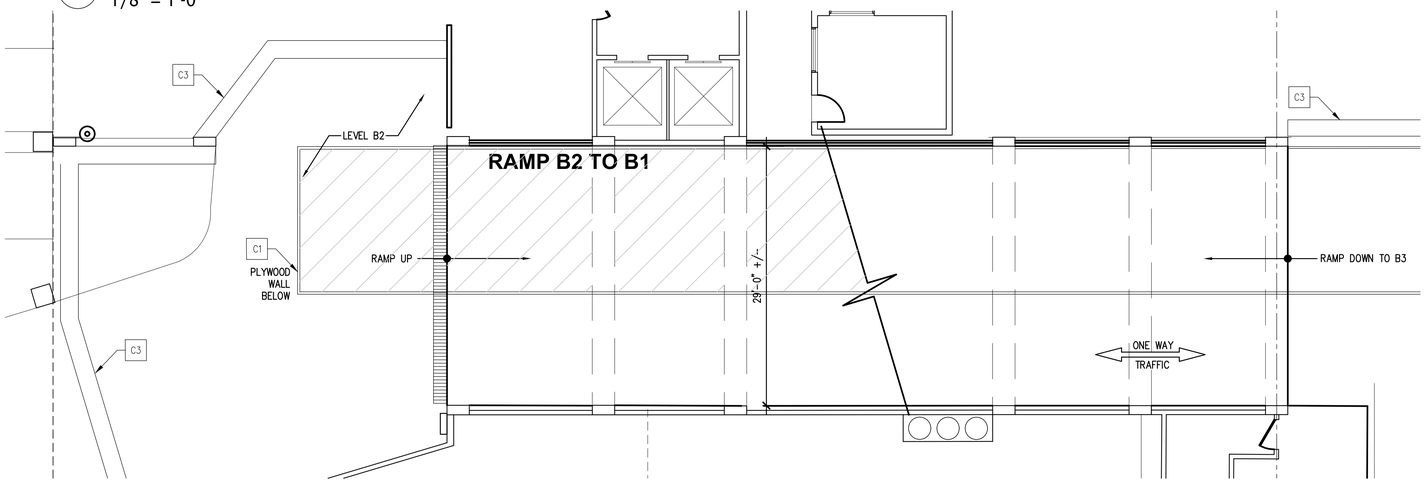
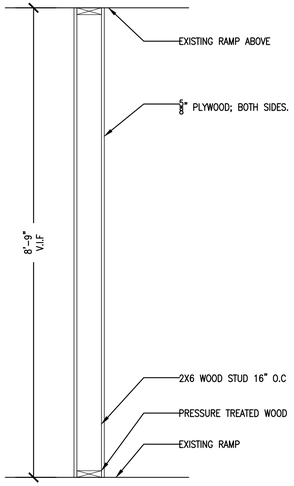


1 PHASE 1 - RAMP B3 TO B2 ENLARGED PLAN (AS VIEWED FROM LEVEL B3)
1/8" = 1'-0"



2 PHASE 1 - RAMP B2 TO B1 ENLARGED PLAN (AS VIEWED FROM LEVEL B2)
1/8" = 1'-0"



3 CONSTRUCTION PARTITION DETAIL
3/4" = 1'-0"

PHASE I:
1. BUILD PLYWOOD WALL (B-3 TO B-2)
2. INSTALL TEMPORARY LIGHTING
3. PROVIDE SHORING AS REQUIRED
4. INSTALL TRAFFIC CONTROL DEVICES AT TOP AND BOTTOM OF RAMP
5. INSTALL JERSEY BARRIERS (B-2 TO B-1)
6. CUT OUT SLAB (B-2 TO B-1). SEE ENGINEERING DRAWINGS.
7. PREPARE BEAMS FOR REPAIR. (B-2 TO B-1)
8. INSTALL REBAR AT BEAMS
9. INSTALL SLAB FORMWORK
10. INSTALL SLAB REBAR AND WATER STOP. SEE ENGINEERING DRAWINGS.
11. POUR BEAMS AND SLAB
12. CURE CONCRETE FOR 7 DAYS
13. REMOVE SOME FORMWORK SUPPORTS
14. CURE CONCRETE FOR 28 DAYS
15. REMOVE ALL FORMWORK

PHASE II
1. BUILD PLYWOOD WALL (B-3 TO B-2)
2. INSTALL TEMPORARY LIGHTING
3. PROVIDE SHORING AS REQUIRED
4. INSTALL TRAFFIC CONTROL DEVICES AT TOP AND BOTTOM OF RAMP.
5. INSTALL JERSEY BARRIERS (B-2 TO B-1)
6. CUT OUT SLAB (B-2 TO B-1) SEE ENGINEERING DRAWINGS
7. PREPARE BEAMS FOR REPAIR. (B-2 TO B-1)
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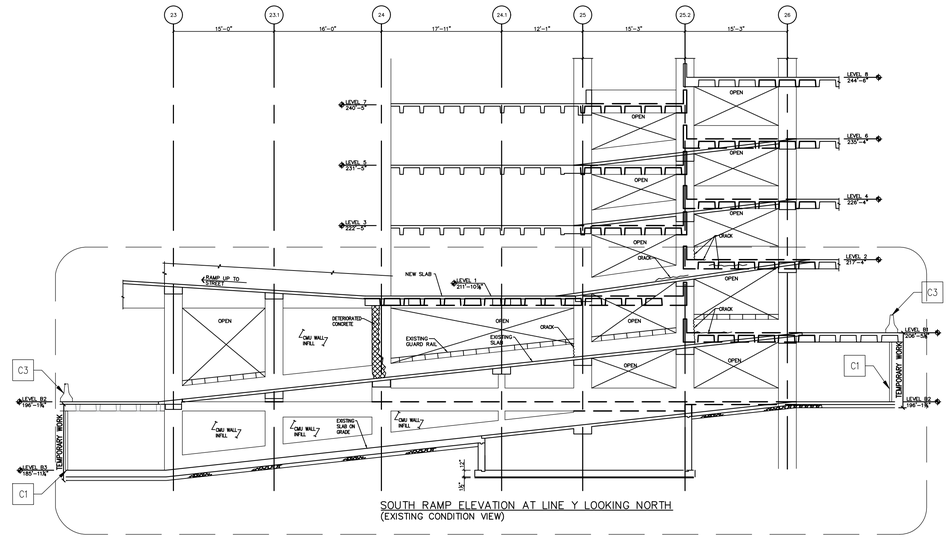

SOUTH RAMP ELEVATION AT LINE Y LOOKING NORTH
(EXISTING CONDITION VIEW)

PHASE 1

4 RAMP SECTION
3/32" = 1'-0"

RAMP PHASING KEY NOTES	
C1	INSTALL PLYWOOD WALL
C2	INSTALL TEMPORARY LIGHTING
C3	INSTALL TEMPORARY JERSEY BARRIERS
C4	CUT OUT RAMP SLAB. SEE ENGINEERING DRAWINGS.
C5	INSTALL SLAB REBAR AND WATER STOP. SEE ENGINEERING DRAWINGS.
C6	REMOVE EXISTING PARKING LINES AND CREATE TEMPORARY DRIVE LANE

CONSTRUCTION LEGEND	
	TEMPORARY STOP LINE
	TEMPORARY TRAFFIC LIGHT
	AREA OF WORK
	TEMPORARY TRAFFIC PATTERN

REGISTERED ARCHITECT ROBERT A. GABALSKI 024235 STATE OF NEW YORK

IN CHARGE OF BOB GABALSKI
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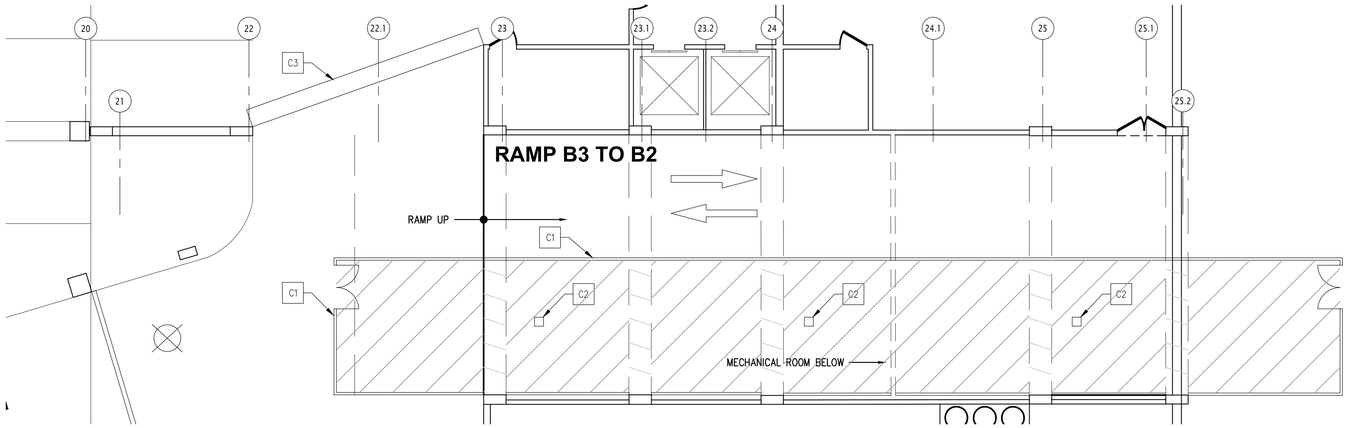
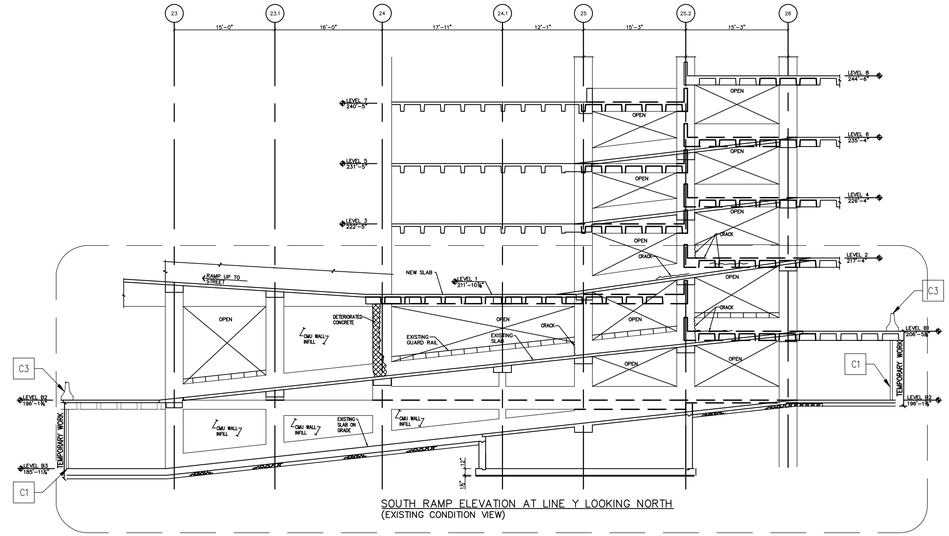
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
RAMP CONSTRUCTION PHASING PLAN 1

CONTRACT NUMBER 19-515
SHEET NUMBER A002
SHEET NO. 4 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-A-351-0
REV. NO.

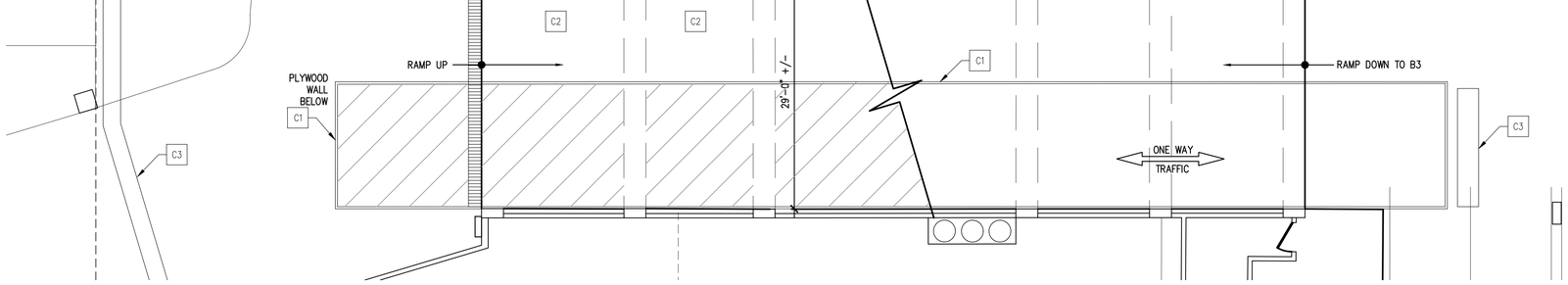


1 PHASE 2 - RAMP B3 TO B2 ENLARGED PLAN (AS VIEWED FROM LEVEL B3)
1/8" = 1'-0"



PHASE 1

3 RAMP SECTION
3/32" = 1'-0"



2 PHASE 2 - RAMP B2 TO B1 ENLARGED PLAN (AS VIEWED FROM LEVEL B2)
1/8" = 1'-0"

PHASE I:
1. BUILD PLYWOOD WALL (B-3 TO B-2)
2. INSTALL TEMPORARY LIGHTING
3. PROVIDE SHORING AS REQUIRED
4. INSTALL TRAFFIC CONTROL DEVICES AT TOP AND BOTTOM OF RAMP
5. INSTALL JERSEY BARRIERS (B-2 TO B-1)
6. CUT OUT SLAB (B-2 TO B-1). SEE ENGINEERING DRAWINGS.
7. PREPARE BEAMS FOR REPAIR. (B-2 TO B-1)
8. INSTALL REBAR AT BEAMS
9. INSTALL SLAB FORMWORK
10. INSTALL SLAB REBAR AND WATER STOP. SEE ENGINEERING DRAWINGS.
11. POUR BEAMS AND SLAB
12. CURE CONCRETE FOR 7 DAYS
13. REMOVE SOME FORMWORK SUPPORTS
14. CURE CONCRETE FOR 28 DAYS
15. REMOVE ALL FORMWORK

PHASE II
1. BUILD PLYWOOD WALL (B-3 TO B-2)
2. INSTALL TEMPORARY LIGHTING
3. PROVIDE SHORING AS REQUIRED
4. INSTALL TRAFFIC CONTROL DEVICES AT TOP AND BOTTOM OF RAMP.
5. INSTALL JERSEY BARRIERS (B-2 TO B-1)
6. CUT OUT SLAB (B-2 TO B-1) SEE ENGINEERING DRAWINGS
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15. REMOVE ALL FORMWORK

RAMP PHASING KEY NOTES	
C1	INSTALL PLYWOOD WALL
C2	INSTALL TEMPORARY LIGHTING
C3	INSTALL TEMPORARY JERSEY BARRIERS
C4	CUT OUT RAMP SLAB. SEE ENGINEERING DRAWINGS.
C5	INSTALL SLAB REBAR AND WATER STOP. SEE ENGINEERING DRAWINGS.
C6	REMOVE EXISTING PARKING LINES AND CREATE TEMPORARY DRIVE LANE

CONSTRUCTION LEGEND	
	TEMPORARY STOP LINE
	TEMPORARY TRAFFIC LIGHT
	AREA OF WORK
	TEMPORARY TRAFFIC PATTERN

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

RAMP CONSTRUCTION PHASING PLAN 2

CONTRACT NUMBER 19-515
SHEET NUMBER A003
SHEET NO. 5 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-A-352-0
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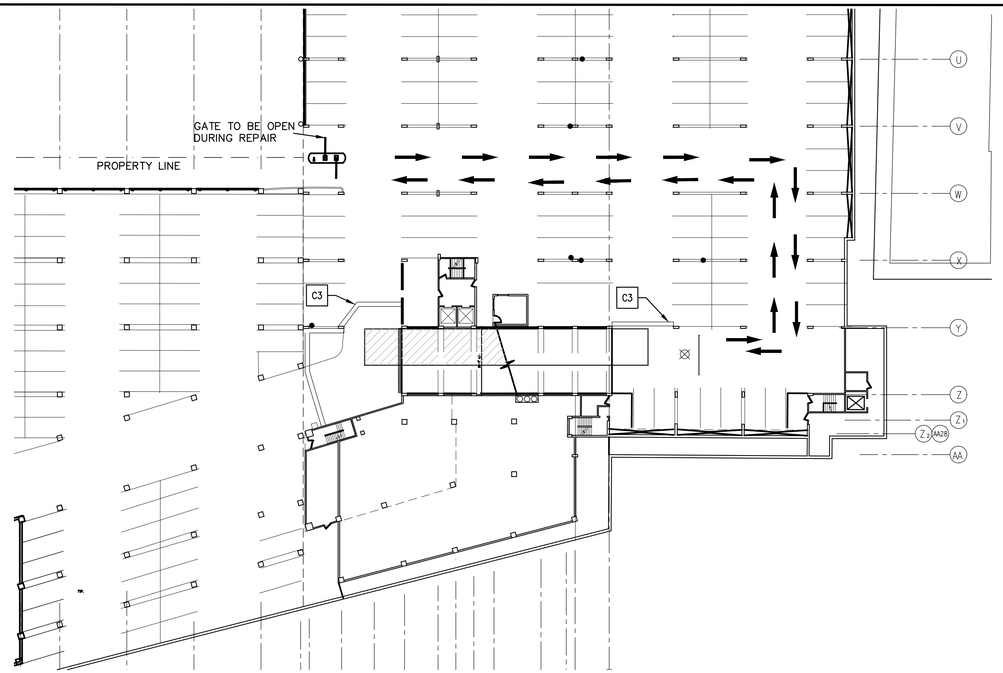
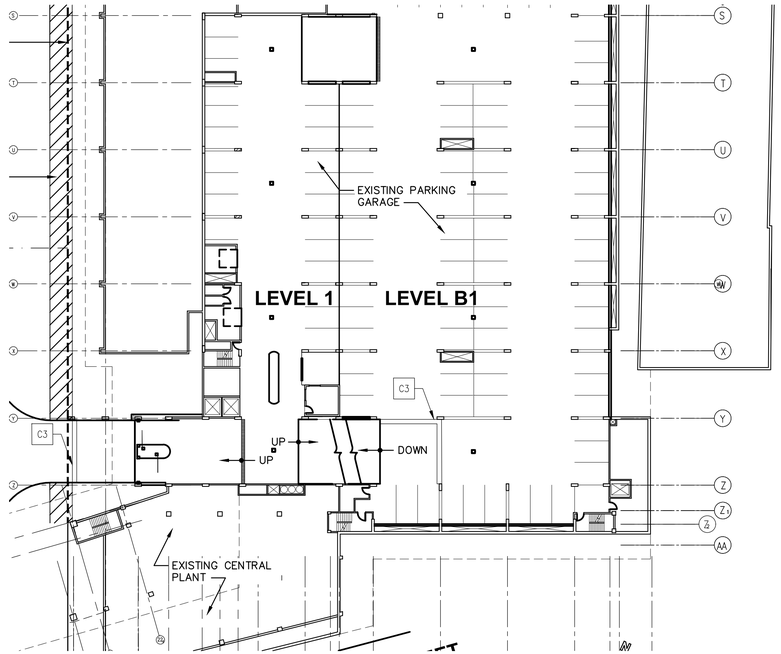
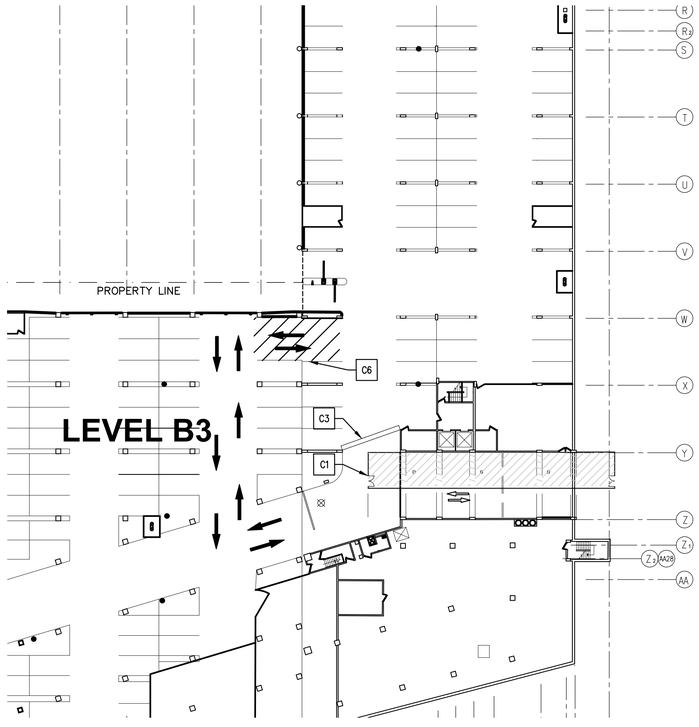


1 REDUCED SCALE PLAN - TRAFFIC PATTERN LEVEL B2
1/32" = 1'-0"



2 REDUCED SCALE PLAN - TRAFFIC PATTERN LEVEL B1
1/32" = 1'-0"



3 REDUCED SCALE PLAN - TRAFFIC PATTERN LEVEL B3
1/32" = 1'-0"

PHASE I:
1. BUILD PLYWOOD WALL (B-3 TO B-2)
2. INSTALL TEMPORARY LIGHTING
3. PROVIDE SHORING AS REQUIRED
4. INSTALL TRAFFIC CONTROL DEVICES AT TOP AND BOTTOM OF RAMP
5. INSTALL JERSEY BARRIERS (B-2 TO B-1)
6. CUT OUT SLAB (B-2 TO B-1). SEE ENGINEERING DRAWINGS.
7. PREPARE BEAMS FOR REPAIR. (B-2 TO B-1)
8. INSTALL REBAR AT BEAMS
9. INSTALL SLAB FORMWORK
10. INSTALL SLAB REBAR AND WATER STOP. SEE ENGINEERING DRAWINGS.
11. POUR BEAMS AND SLAB
12. CURE CONCRETE FOR 7 DAYS
13. REMOVE SOME FORMWORK SUPPORTS
14. CURE CONCRETE FOR 28 DAYS
15. REMOVE ALL FORMWORK

PHASE II
1. BUILD PLYWOOD WALL (B-3 TO B-2)
2. INSTALL TEMPORARY LIGHTING
3. PROVIDE SHORING AS REQUIRED
4. INSTALL TRAFFIC CONTROL DEVICES AT TOP AND BOTTOM OF RAMP.
5. INSTALL JERSEY BARRIERS (B-2 TO B-1)
6. CUT OUT SLAB (B-2 TO B-1) SEE ENGINEERING DRAWINGS
7. PREPARE BEAMS FOR REPAIR. (B-2 TO B-1)
8. INSTALL REBAR AT BEAMS
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14. CURE CONCRETE FOR 28 DAYS
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RAMP PHASING KEY NOTES	
C1	INSTALL PLYWOOD WALL
C2	INSTALL TEMPORARY LIGHTING
C3	INSTALL TEMPORARY JERSEY BARRIERS
C4	CUT OUT RAMP SLAB. SEE ENGINEERING DRAWINGS.
C5	INSTALL SLAB REBAR AND WATER STOP. SEE ENGINEERING DRAWINGS.
C6	REMOVE EXISTING PARKING LINES AND CREATE TEMPORARY DRIVE LANE

CONSTRUCTION LEGEND	
	TEMPORARY STOP LINE
	TEMPORARY TRAFFIC LIGHT
	AREA OF WORK
	TEMPORARY TRAFFIC PATTERN

REGISTERED ARCHITECT
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074235
STATE OF NEW YORK

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

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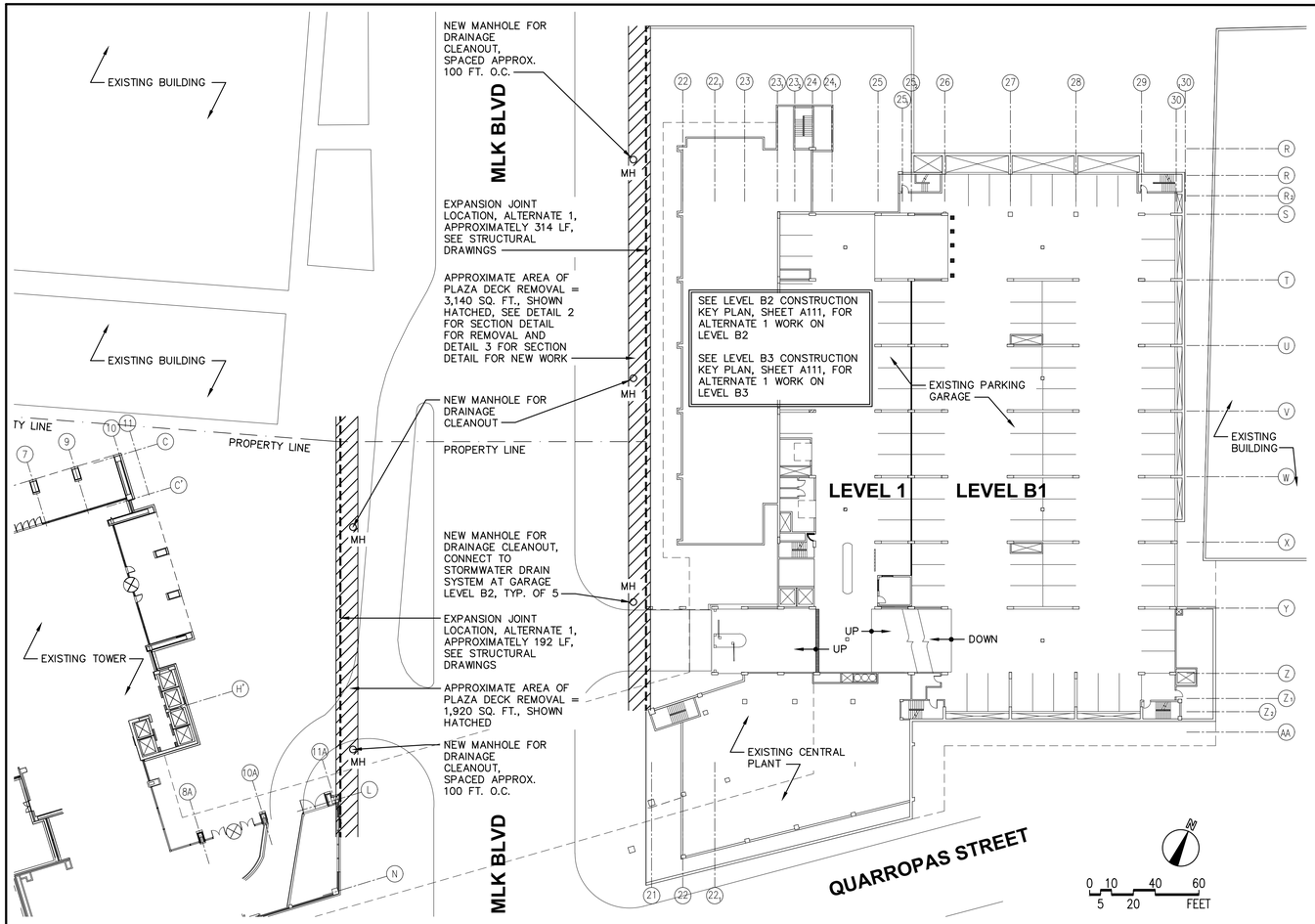
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

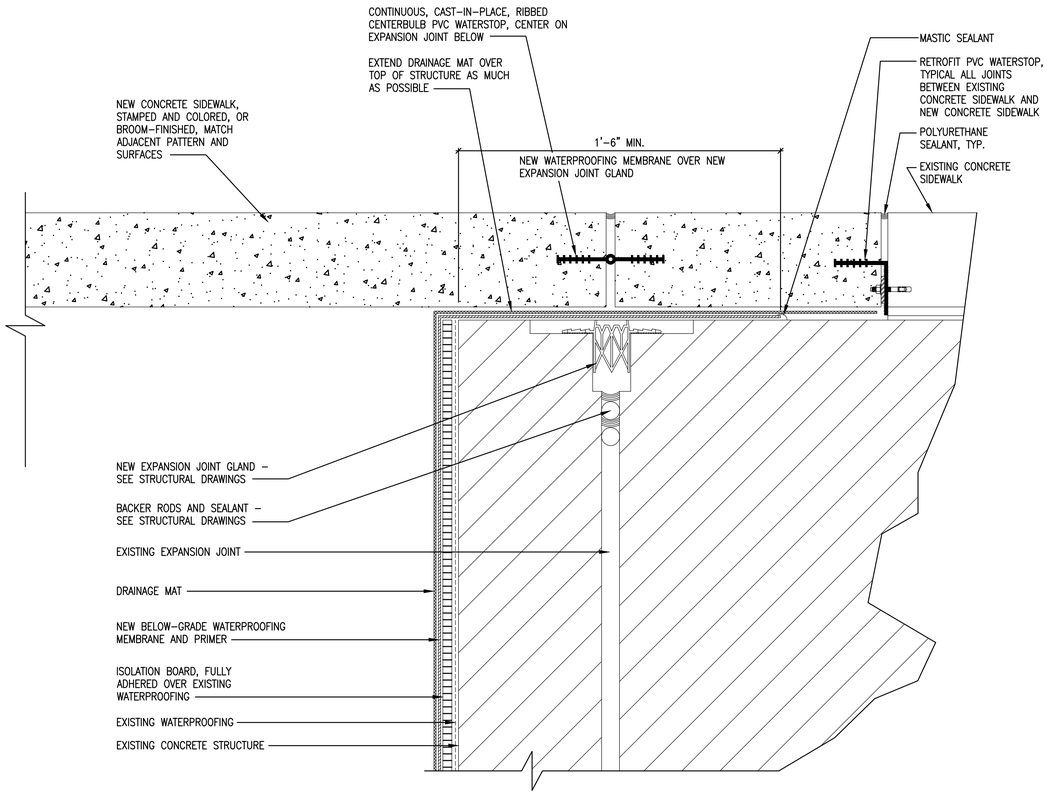
CONTRACT NUMBER 19-515
SHEET NUMBER A004
SHEET NO. 6 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
TEMPORARY TRAFFIC PATTERN PLAN

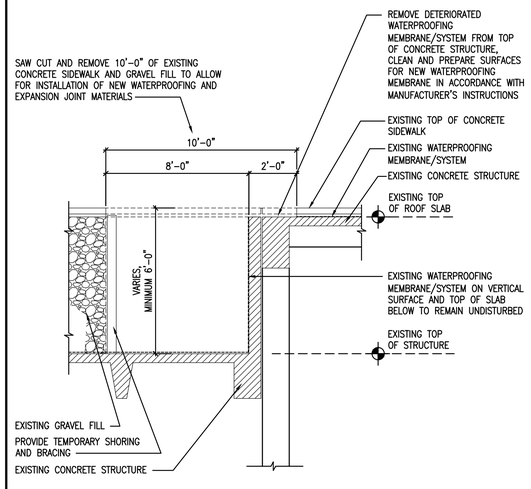
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-A-353-0
REV. NO.



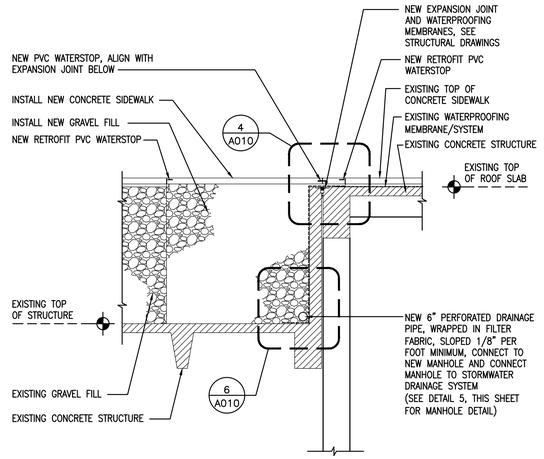
1 PLAZA LEVEL EXPANSION JOINT LOCATION PLAN - ALTERNATE 1
1/32" = 1'-0"



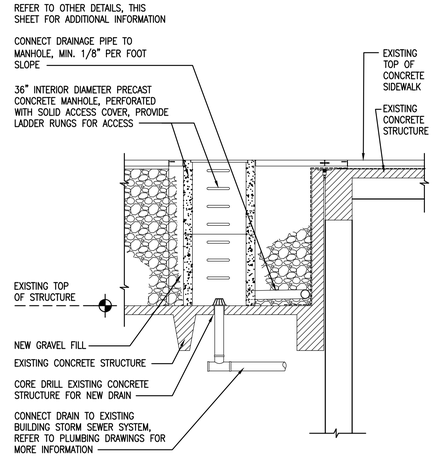
4 PLAZA LEVEL EXPANSION JOINT WATERSTOP DETAIL - ALTERNATE 1
3" = 1'-0"



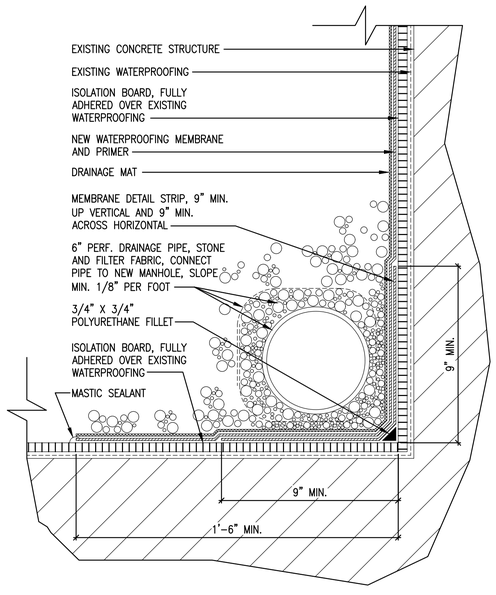
2 PLAZA LEVEL EXPANSION JOINT DEMOLITION - ALTERNATE 1
1/4" = 1'-0"



3 PLAZA LEVEL EXPANSION JOINT NEW WORK - ALTERNATE 1
1/4" = 1'-0"



5 PLAZA LEVEL MANHOLE NEW WORK - ALTERNATE 1
1/4" = 1'-0"



6 PLAZA LEVEL EXPANSION JOINT DRAINAGE DETAIL - ALTERNATE 1
3" = 1'-0"

ALTERNATE 1 - CALCULATED QUANTITIES

ITEM DESCRIPTION	CALCULATED QUANTITY
EXPANSION JOINT	506 LF.
PLAZA DECK REMOVAL	5,060 SQ. FT.
PLAZA DECK EXCAVATION	1,750 CU. YDS.
WATERPROOFING MATERIALS	6,060 SQ. FT.

ABBREVIATIONS:
LF. = LINEAL FEET
SQ. FT. = SQUARE FEET
CU. YDS. = CUBIC YARDS

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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	7/23/2020	BH	MB	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION
☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

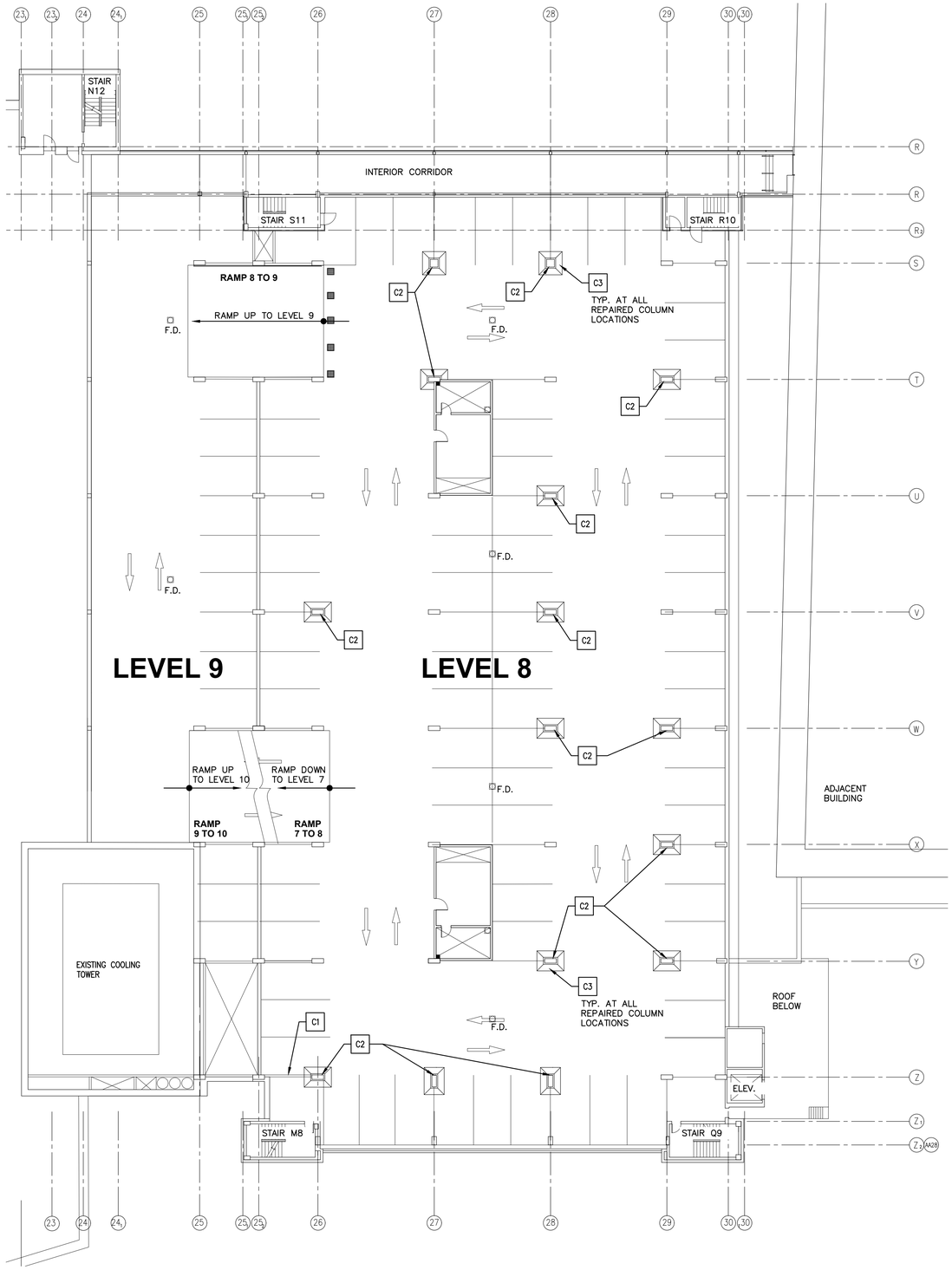
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER A010
SHEET NO. 7 OF 97

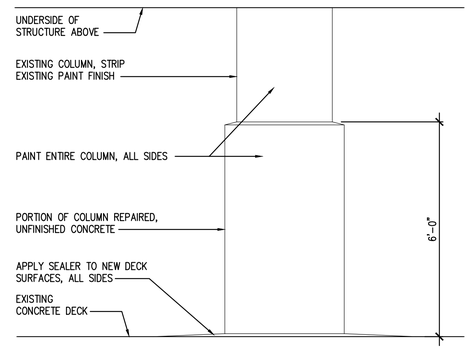
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.
REV. NO.

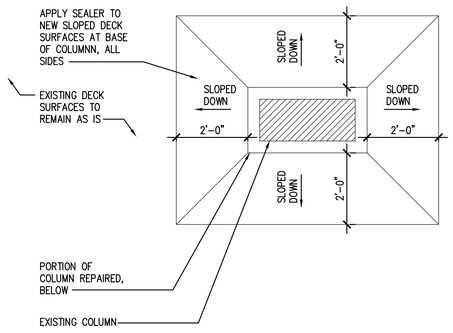
PLAZA LEVEL EXPANSION JOINT LOCATION PLAN AND DETAILS – ALTERNATE 1
52-01-A-354-0



1 LEVEL 8 COLUMN REPAIR PLAN - ALTERNATE 2
1/16" = 1'-0"



2 REPAIRED COLUMN ELEVATION
1/2" = 1'-0"



3 REPAIRED COLUMN PLAN SECTION
1/2" = 1'-0"

ALTERNATE CONSTRUCTION KEY NOTES	
C1	TEMPORARILY REMOVE EXISTING GUARDRAIL OR OTHER ITEMS AS NECESSARY FOR NEW WORK, RE-INSTALL FOLLOWING COMPLETION OF REPAIRS
C2	STRIP EXISTING PAINT FINISH FROM COLUMN AND PREPARE ALL SURFACES FOR NEW PAINT AS PER MANUFACTURERS INSTRUCTIONS. PAINT ENTIRE REPAIRED COLUMN FROM DECK TO STRUCTURE ABOVE, SEE DETAIL 2 FOR MORE INFORMATION
C3	PREPARE SURFACE FOR APPLICATION OF SILANE SEALER IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. APPLY SILANE SEALER TO NEW CONCRETE DECK SURFACES, SEE DETAIL 3 FOR MORE INFORMATION

GENERAL NOTES

1. TEMPORARILY REMOVE ALL EXISTING ITEMS, DEVICES, SIGNAGE, ETC. FROM COLUMNS INDICATED FOR REPAIR, WHERE NECESSARY, TO ACCOMMODATE THE REPAIR WORK. RE-INSTALL ALL ITEMS PREVIOUSLY REMOVED, FOLLOWING COMPLETION OF PAINTING. ALLOW SUFFICIENT TIME FOR PAINT TO CURE BEFORE RE-INSTALLATION.
2. ALL NEWLY INSTALLED OR REPAIRED ITEMS ARE TO BE FINISHED TO MATCH ADJACENT EXISTING ITEMS UNLESS OTHERWISE INDICATED. SUCH ITEMS MAY INCLUDE HANDRAILS, GUARDRAILS, DOORS, DOOR FRAMES, GFRC WALL PANELS, ETC.
3. INSTALL NEW "KEEP RIGHT" SIGNS AT EACH RAMP APPROACH AT EACH LEVEL. APPROXIMATE LOCATION AS SHOWN ON DRAWINGS.
4. PRIOR TO ANY WORK, TEST EXISTING PAINTED SURFACES THAT WILL BE DISTURBED OR REMOVED FOR LEAD PAINT CONTENT. IF FOUND, ABATE LEAD-BASED PAINT MATERIALS WITH APPROVED DUMOND PEEL AWAY PAINT REMOVER SYSTEM.

WATERPROOFING DEMOLITION AND PREPARATION NOTES

1. REMOVE ALL EXISTING JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, WITHIN ALL AREAS OF WORK IDENTIFIED TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
2. SHOT-BLAST ALL CONCRETE SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
3. CLEAN ALL SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL AS PER MANUFACTURER'S RECOMMENDATIONS OR WRITTEN INSTRUCTIONS.

WATERPROOFING INSTALLATION NOTES

1. INSTALL WATERPROOFING AND SEALER MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. INSTALL NEW JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, AS INDICATED AND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

PAINTING NOTES

1. SEE PAINTING SCHEDULE ON SHEET A111 FOR COLORS

ALTERNATE 2 - CALCULATED QUANTITIES

ITEM DESCRIPTION	CALCULATED QUANTITY
COLUMNS REQUIRING REPAIR AND PAINT	15
PARKING DECK SEALING	600 SQ. FT.

ABBREVIATIONS:
LIN. FT. = LINEAR FEET
SQ. FT. = SQUARE FEET
CU. YDS. = CUBIC YARDS

IN CHARGE OF BOB GABALSKI
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MADE BY BRETT HUTTMAN

REGISTERED ARCHITECT ROBERT N. GABALSKI 024455 STATE OF NEW YORK

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MEP ENGINEERS
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CBK ENGINEERING, PC
44-46 FOSTER ROAD
HOPEWELL JUNCTION, NY 12533
914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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RECORD DRAWING CERTIFICATION
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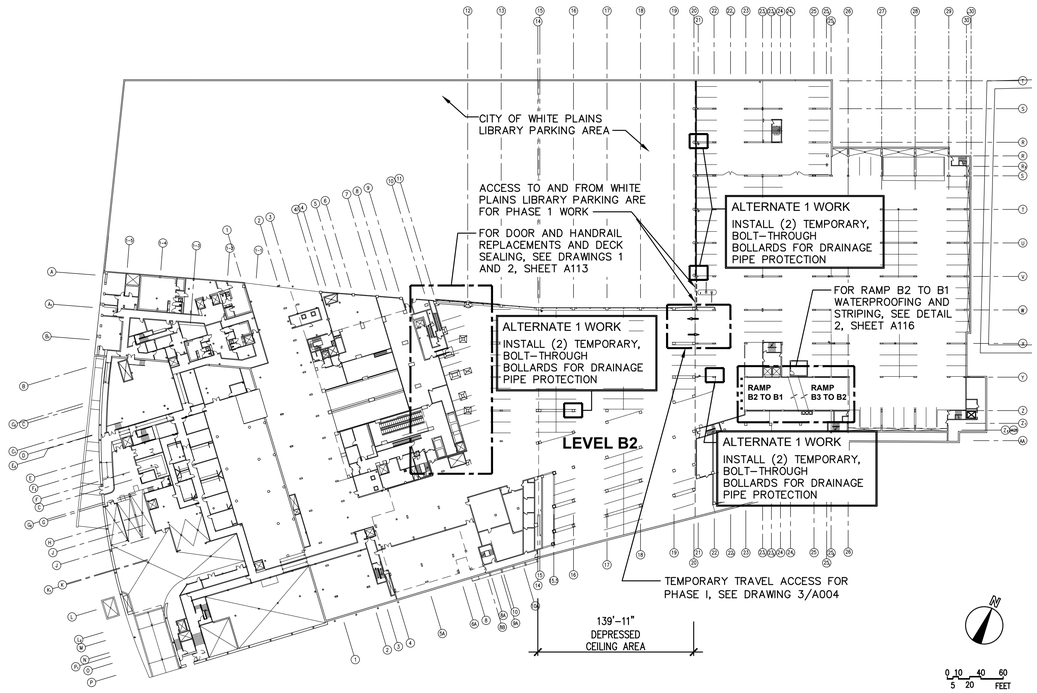
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

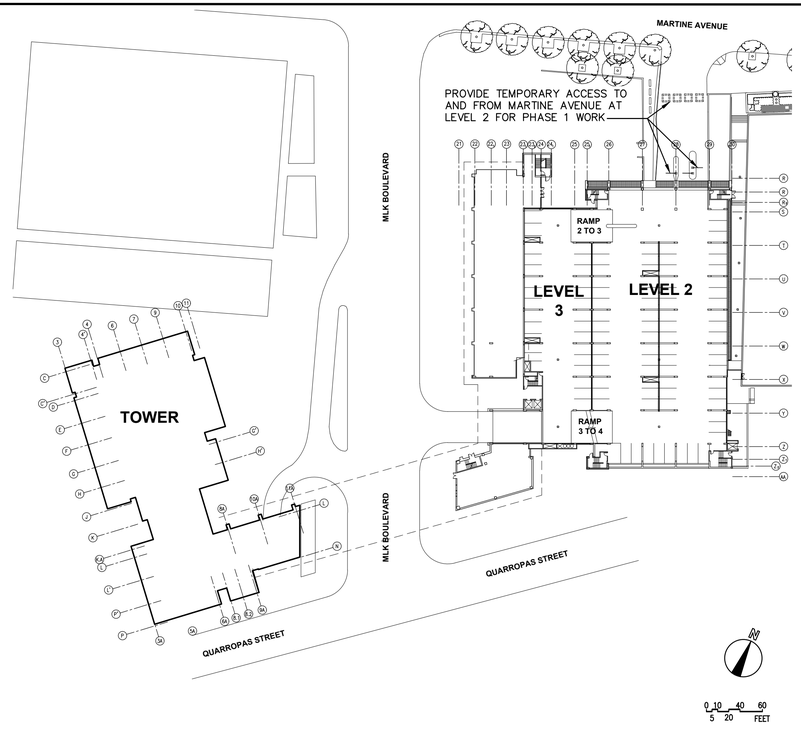
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

LEVEL 8 COLUMN REPAIR PLAN – ALTERNATE 2

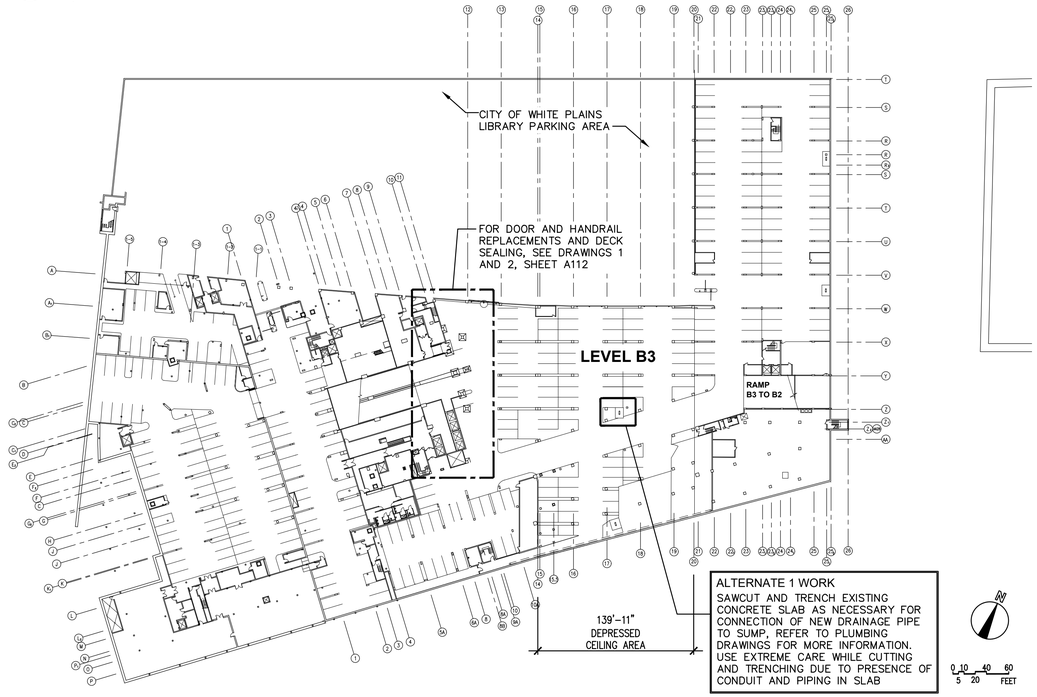
CONTRACT NUMBER 19-515
SHEET NUMBER A030
SHEET NO. 8 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-A-355-0
REV. NO.



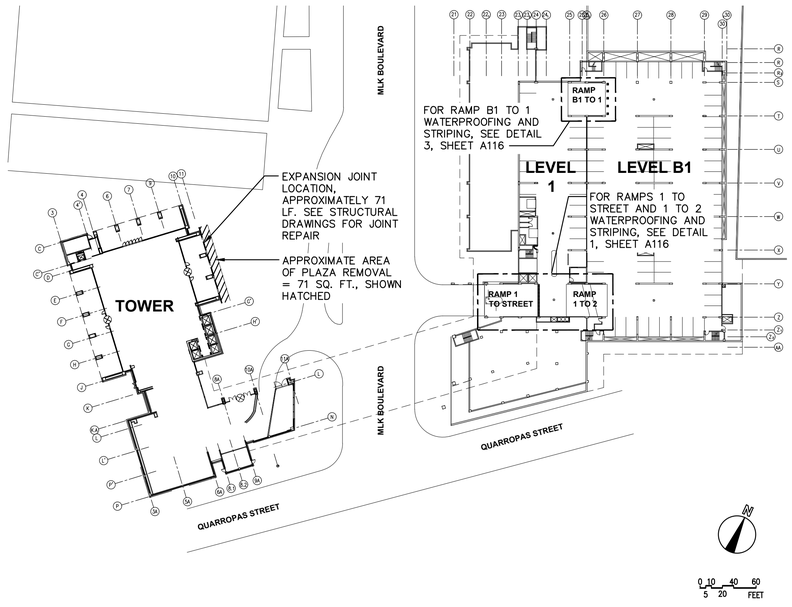
1 LEVEL B2 CONSTRUCTION KEY PLAN
1/64" = 1'-0"



2 LEVELS 2 AND 3 CONSTRUCTION KEY PLAN
1/64" = 1'-0"



3 LEVEL B3 CONSTRUCTION KEY PLAN
1/64" = 1'-0"



4 LEVELS B1 AND 1 CONSTRUCTION KEY PLAN
1/64" = 1'-0"

PAINTING SCHEDULE

DOORS AND FRAMES:	GRAY
PARKING AREA GUARDRAILS:	WHITE
REPAIRED CONCRETE COLUMNS:	SAFETY YELLOW
PARKING STALL STRIPING:	WHITE
"NO PARKING" AREAS:	SAFETY YELLOW
DRIVE AISLE DIRECTIONAL ARROWS:	WHITE

PAINT COLORS AS APPROVED BY WESTCHESTER COUNTY

5 PAINTING SCHEDULE
NOT TO SCALE

CONSTRUCTION ACCESS NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PARKING ATTENDANTS TO MAINTAIN ACCESS AT MARTINE AVENUE ENTRANCE BETWEEN THE HOURS OF 6:00 AM AND 7:30 PM FOR VEHICLE ACCESS.
2. ACCESS GATES SHALL REMAIN LOCKED AT ALL OTHER TIMES.
3. REFER TO PARKING GARAGE ACCESS GATE EXHIBIT AND REPORT, AS PREPARED BY WESTCHESTER COUNTY DPW FOR ADDITIONAL INFORMATION.
4. REFER TO DRAWING A004 FOR TEMPORARY TRAFFIC PATTERN PLANS.

BASE BID - CALCULATED QUANTITIES

ITEM DESCRIPTION	CALCULATED QUANTITY
PARKING DECK AND RAMP WATERPROOFING	46,800 SQ. FT.
PARKING DECK SEALING	6,600 SQ. FT.
COLUMNS REQUIRING REPAIR AND PAINT	18
GUARDRAILS/HANDRAILS TO BE PAINTED	850 LF.
GFRC PANEL REPAIR	20 SQ. FT.
PARKING DECK PATCH REPAIR	1,730 SQ. FT.
PARKING DECK CRACK REPAIR	1,150 LF.
NEW GUARDRAILS/HANDRAILS	175 LF.
METAL SIDING PANEL REMOVED	18 LF.
DAMAGED METAL FLASHING REPAIR	55 LF.
GFRC PANEL REPLACEMENT	25 SQ. FT.
"NO PARKING" AREA TO BE PAINTED	1,600 SQ. FT.
PARKING STALLS TO BE STRIPED	88
PARKING STOPS	15
PRECAST CONCRETE WALL PANEL SEALING	1,025 SQ. FT.
EXPANSION JOINT	71 LF.
PLAZA DECK REMOVAL	71 SQ. FT.

ABBREVIATIONS:
LF. = LINEAL FEET
SQ. FT. = SQUARE FEET
CU. YDS. = CUBIC YARDS

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

REGISTERED ARCHITECT ROBERT A. GABALSKI 031434 STATE OF NEW YORK

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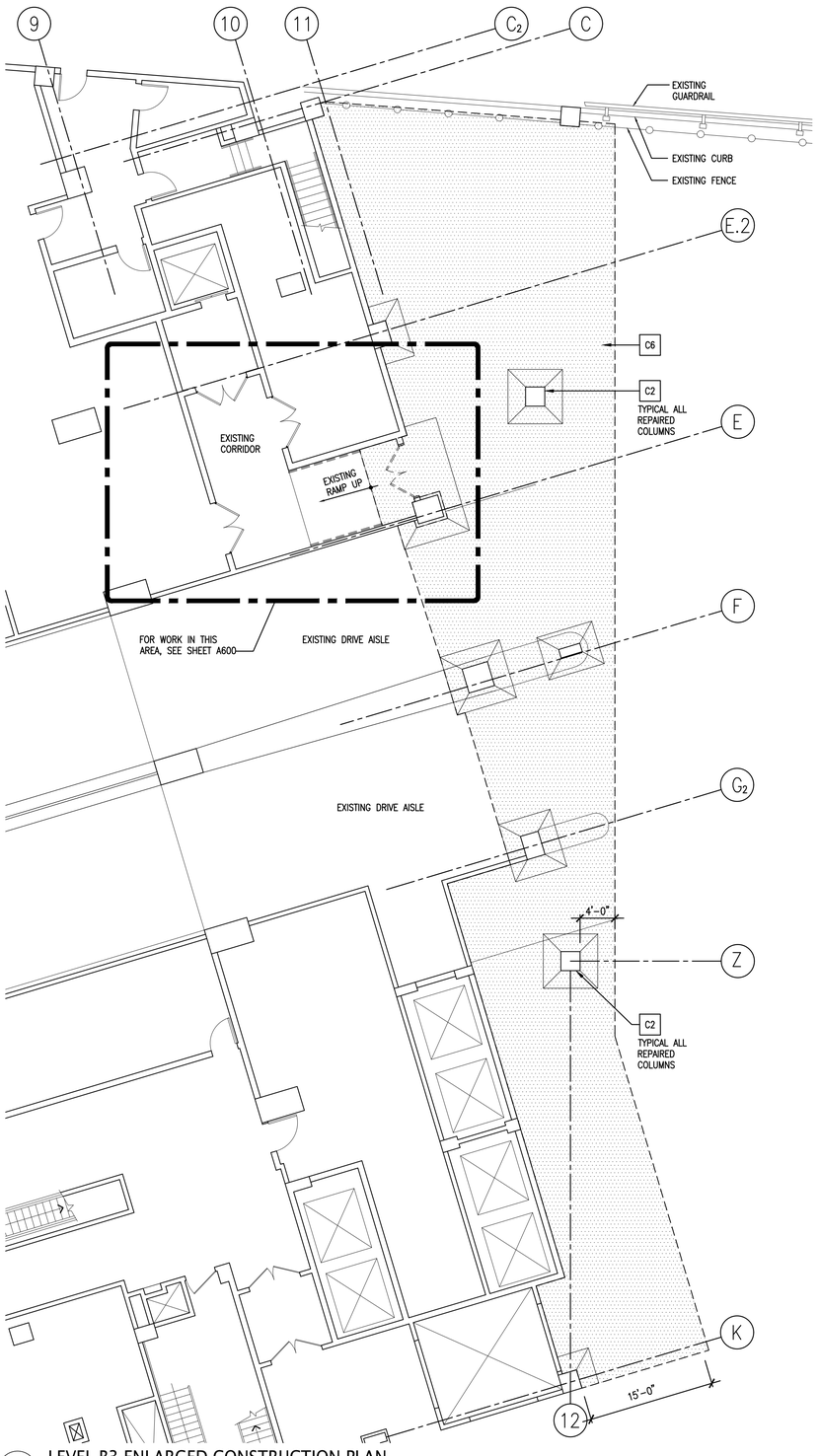
PROJECT COORDINATOR — NAME / SIGNATURE / TITLE / DATE

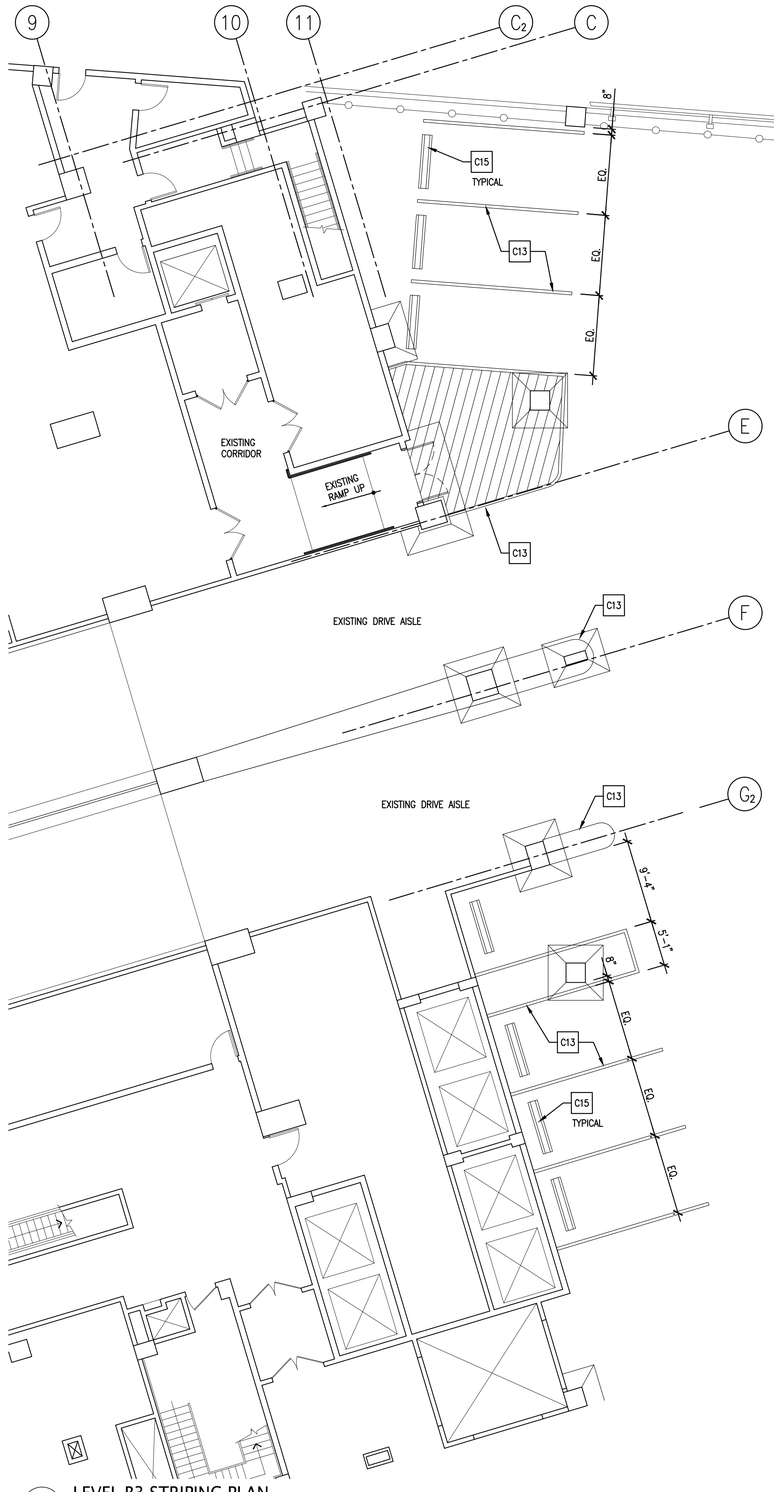
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19–515 | SHEET NUMBER A111
SHEET NO. 9 OF 97
SCALE: AS NOTED
DATE: 7–23–2020
DPW FILE NO. 52–01–A–356–0
REV. 0

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
CONSTRUCTION KEY PLANS



1 LEVEL B3 ENLARGED CONSTRUCTION PLAN
1/8" = 1'-0"



2 LEVEL B3 STRIPING PLAN
1/8" = 1'-0"

CONSTRUCTION KEY NOTES	
C1	PREPARE CONCRETE SURFACES IN ACCORDANCE WITH WATERPROOFING MANUFACTURER'S INSTRUCTIONS FOR APPLICATION OF NEW WATERPROOFING. APPLY WATERPROOFING IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN APPLICATION INSTRUCTIONS. REFER TO STRUCTURAL DRAWINGS FOR REPAIR INFORMATION.
C2	STRIP EXISTING FINISH FROM COLUMN AND PREPARE SURFACES FOR NEW PAINT AS PER MANUFACTURER'S INSTRUCTIONS. PAINT REPAIRED COLUMN AS INDICATED, SEE DETAIL 4 SHEET A116 FOR MORE INFORMATION. SEE STRUCTURAL DRAWINGS FOR REPAIR INFO.
C3	REMOVED AND DISPOSE OF ANY ABANDONED RAILINGS IN THIS AREA
C4	PREPARE RAILING SURFACES AND SUPPORTS FOR APPLICATION OF NEW PAINT IN ACCORDANCE WITH PAINT MANUFACTURER'S INSTRUCTIONS. PAINT ALL EXPOSED SURFACES
C5	REPAIR DAMAGED GFRC PANEL, PATCH AND FINISH TO MATCH
C6	PREPARE CONCRETE DECK, IN AREA SHADED, AS PER MANUFACTURERS SPECIFICATIONS FOR APPLICATION OF NEW SILANE SEALER. APPLY SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SEE DETAIL 5, SHEET A116 FOR MORE INFORMATION
C7	REMOVE AND REPLACE DAMAGED/BENT RAILING (SEE DETAIL 1/A500)
C8	REMOVE METAL SIDING PANEL (SEE DETAIL 6/A500)
C9	REPAIR DAMAGED METAL FLASHING (SEE DETAIL 5/A500)
C10	REPLACE MISSING GFRC PANEL, MATCH EXISTING (SEE DETAIL 7/A500)
C11	N O T U S E D N O T U S E D
C12	REMOVE EXISTING DOOR AND FRAME, REPLACE WITH NEW AS INDICATED, SEE DOOR SCHEDULE
C13	STRIPE PARKING STALLS, GUIDANCE LINES, AND "NO PARKING" AREAS (SEE DETAIL 3/A117)
C14	PAINT NEW DIRECTION ARROWS
C15	INSTALL NEW PARKING STOPS – SEE 3/A117
C16	REPAIR DAMAGED CONCRETE BLOCK DOOR THRESHOLD FOR INSTALLATION OF NEW DOORWAY SADDLE FOR A WEATHER-TIGHT FIT, SEE STRUCTURAL DRAWINGS PAINT INTERIOR AND EXTERIOR SURFACES OF THRESHOLD WITH YELLOW PAINT
C17	PREPARE PRECAST CONCRETE WALL PANEL AS PER MANUFACTURERS SPECIFICATIONS FOR APPLICATION OF NEW SILANE SEALER. APPLY SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

GENERAL NOTES

1. TEMPORARILY REMOVE ALL EXISTING ITEMS, DEVICES, SIGNAGE, ETC. FROM COLUMNS INDICATED FOR REPAIR, WHERE NECESSARY, TO ACCOMMODATE THE REPAIR WORK. RE-INSTALL ALL ITEMS PREVIOUSLY REMOVED, FOLLOWING COMPLETION OF PAINTING. ALLOW SUFFICIENT TIME FOR PAINT TO CURE BEFORE RE-INSTALLATION.
2. ALL NEWLY INSTALLED OR REPAIRED ITEMS ARE TO BE FINISHED TO MATCH ADJACENT EXISTING ITEMS UNLESS OTHERWISE INDICATED. SUCH ITEMS MAY INCLUDE HANDRAILS, GUARDRAILS, DOORS, DOOR FRAMES, GFRC WALL PANELS, ETC.
3. INSTALL NEW "KEEP RIGHT" SIGNS AT EACH RAMP APPROACH AT EACH LEVEL. APPROXIMATE LOCATION AS SHOWN ON DRAWINGS.
4. PRIOR TO ANY WORK, TEST EXISTING PAINTED SURFACES THAT WILL BE DISTURBED OR REMOVED FOR LEAD PAINT CONTENT. IF FOUND, ABATE LEAD-BASED PAINT MATERIALS WITH APPROVED DUMOND PEEL AWAY PAINT REMOVER SYSTEM.

WATERPROOFING DEMOLITION AND PREPARATION NOTES

1. REMOVE ALL EXISTING JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, WITHIN ALL AREAS OF WORK IDENTIFIED TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
2. SHOT-BLAST ALL CONCRETE SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
3. CLEAN ALL SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL AS PER MANUFACTURER'S RECOMMENDATIONS OR WRITTEN INSTRUCTIONS.

WATERPROOFING INSTALLATION NOTES

1. INSTALL WATERPROOFING AND SEALER MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. INSTALL NEW JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, AS INDICATED AND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

PAINTING NOTES

1. SEE PAINTING SCHEDULE ON SHEET A111 FOR COLORS

CONSTRUCTION LEGEND	
	PREPARATION AND SEALANT APPLICATION AREA
	"NO PARKING" AREA STRIPING

REGISTERED ARCHITECT ROBERT A. GABALSKI 034235 STATE OF NEW YORK

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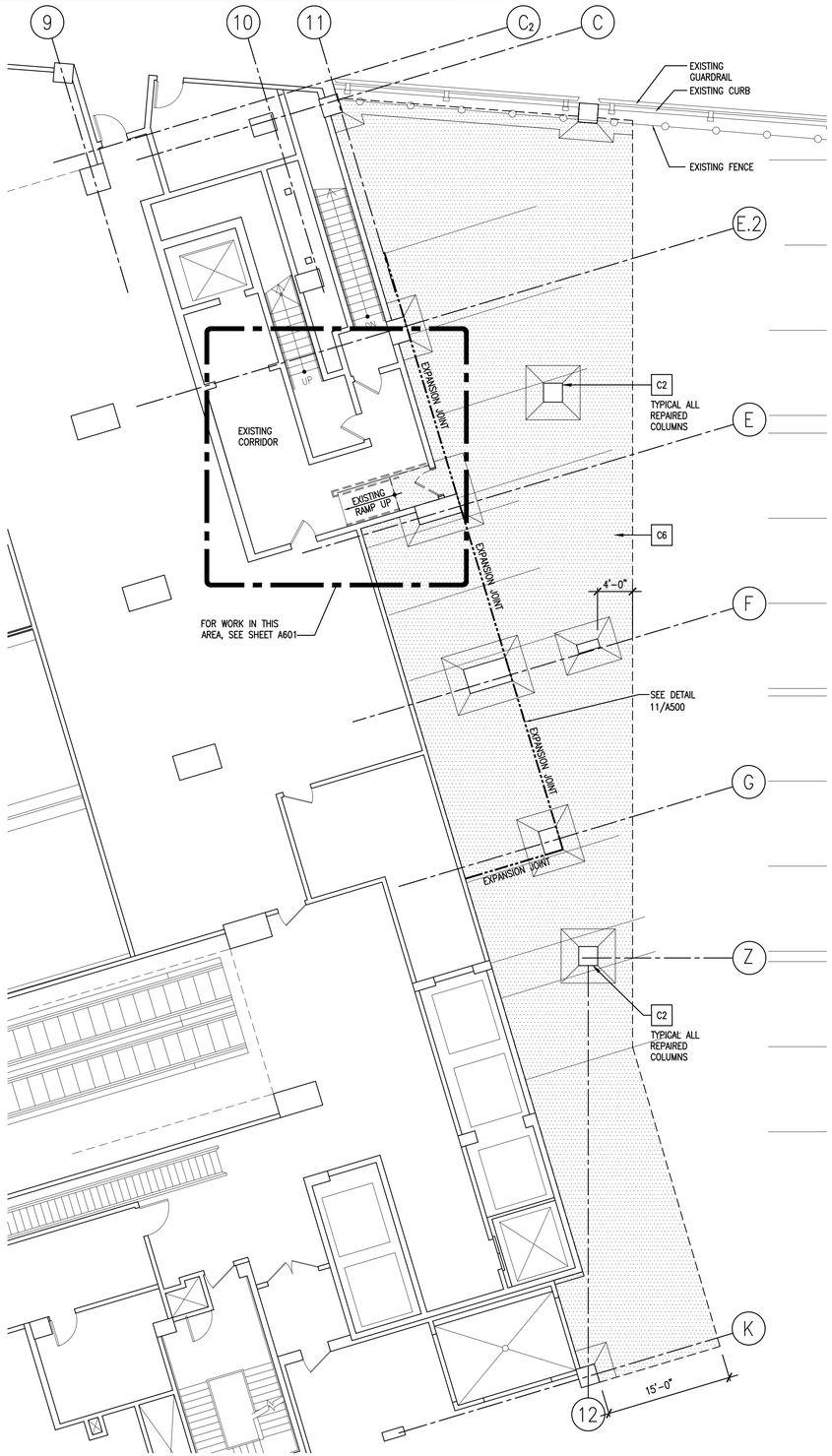
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

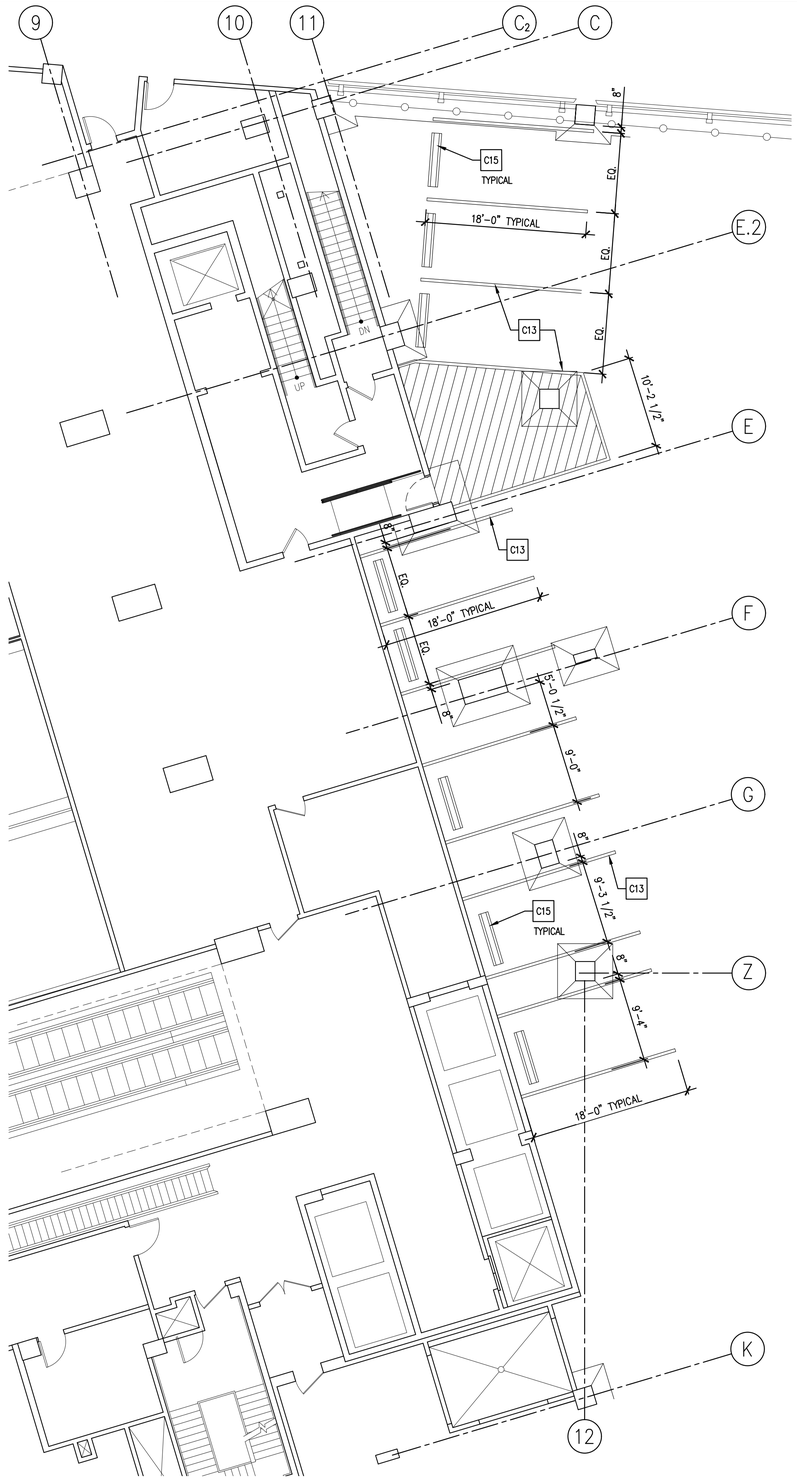
LEVEL B3 ENLARGED CONSTRUCTION AND STRIPING PLANS

CONTRACT NUMBER: 19-515
SHEET NUMBER: A112
SHEET NO. 10 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-A-357-0
REV. NO.

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN



1 LEVEL B2 ENLARGED CONSTRUCTION PLAN
1/8" = 1'-0"



2 LEVEL B2 STRIPING PLAN
1/8" = 1'-0"

CONSTRUCTION KEY NOTES	
C1	PREPARE CONCRETE SURFACES IN ACCORDANCE WITH WATERPROOFING MANUFACTURER'S INSTRUCTIONS FOR APPLICATION OF NEW WATERPROOFING. APPLY WATERPROOFING IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN APPLICATION INSTRUCTIONS. REFER TO STRUCTURAL DRAWINGS FOR REPAIR INFORMATION.
C2	STRIP EXISTING FINISH FROM COLUMN AND PREPARE SURFACES FOR NEW PAINT AS PER MANUFACTURERS INSTRUCTIONS. PAINT REPAIRED COLUMN AS INDICATED, SEE DETAIL 4 SHEET A116 FOR MORE INFORMATION. SEE STRUCTURAL DRAWINGS FOR REPAIR INFO.
C3	REMOVED AND DISPOSE OF ANY ABANDONED RAILINGS IN THIS AREA
C4	PREPARE RAILING SURFACES AND SUPPORTS FOR APPLICATION OF NEW PAINT IN ACCORDANCE WITH PAINT MANUFACTURER'S INSTRUCTIONS. PAINT ALL EXPOSED SURFACES
C5	REPAIR DAMAGED GFRC PANEL, PATCH AND FINISH TO MATCH
C6	PREPARE CONCRETE DECK, IN AREA SHADED, AS PER MANUFACTURERS SPECIFICATIONS FOR APPLICATION OF NEW SILANE SEALER. APPLY SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SEE DETAIL 5, SHEET A116 FOR MORE INFORMATION
C7	REMOVE AND REPLACE DAMAGED/BENT RAILING (SEE DETAIL 1/A500)
C8	REMOVE METAL SIDING PANEL (SEE DETAIL 6/A500)
C9	REPAIR DAMAGED METAL FLASHING (SEE DETAIL 5/A500)
C10	REPLACE MISSING GFRC PANEL, MATCH EXISTING (SEE DETAIL 7/A500)
C11	N O T U S E D N O T U S E D
C12	REMOVE EXISTING DOOR AND FRAME, REPLACE WITH NEW AS INDICATED, SEE DOOR SCHEDULE
C13	STRIPE PARKING STALLS, GUIDANCE LINES, AND "NO PARKING" AREAS (SEE DETAIL 3/A117)
C14	PAINT NEW DIRECTION ARROWS
C15	INSTALL NEW PARKING STOPS – SEE 3/A117
C16	REPAIR DAMAGED CONCRETE BLOCK DOOR THRESHOLD FOR INSTALLATION OF NEW DOORWAY SADDLE FOR A WEATHER-TIGHT FIT, SEE STRUCTURAL DRAWINGS PAINT INTERIOR AND EXTERIOR SURFACES OF THRESHOLD WITH YELLOW PAINT
C17	PREPARE PRECAST CONCRETE WALL PANEL AS PER MANUFACTURERS SPECIFICATIONS FOR APPLICATION OF NEW SILANE SEALER. APPLY SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

GENERAL NOTES

1. TEMPORARILY REMOVE ALL EXISTING ITEMS, DEVICES, SIGNAGE, ETC. FROM COLUMNS INDICATED FOR REPAIR, WHERE NECESSARY, TO ACCOMMODATE THE REPAIR WORK. RE-INSTALL ALL ITEMS PREVIOUSLY REMOVED, FOLLOWING COMPLETION OF PAINTING. ALLOW SUFFICIENT TIME FOR PAINT TO CURE BEFORE RE-INSTALLATION.
2. ALL NEWLY INSTALLED OR REPAIRED ITEMS ARE TO BE FINISHED TO MATCH ADJACENT EXISTING ITEMS UNLESS OTHERWISE INDICATED. SUCH ITEMS MAY INCLUDE HANDRAILS, GUARDRAILS, DOORS, DOOR FRAMES, GFRC WALL PANELS, ETC.
3. INSTALL NEW "KEEP RIGHT" SIGNS AT EACH RAMP APPROACH AT EACH LEVEL. APPROXIMATE LOCATION AS SHOWN ON DRAWINGS.
4. PRIOR TO ANY WORK, TEST EXISTING PAINTED SURFACES THAT WILL BE DISTURBED OR REMOVED FOR LEAD PAINT CONTENT. IF FOUND, ABATE LEAD-BASED PAINT MATERIALS WITH APPROVED DUMOND PEEL AWAY PAINT REMOVER SYSTEM.

WATERPROOFING DEMOLITION AND PREPARATION NOTES

1. REMOVE ALL EXISTING JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, WITHIN ALL AREAS OF WORK IDENTIFIED TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
2. SHOT-BLAST ALL CONCRETE SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
3. CLEAN ALL SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL AS PER MANUFACTURER'S RECOMMENDATIONS OR WRITTEN INSTRUCTIONS.

WATERPROOFING INSTALLATION NOTES

1. INSTALL WATERPROOFING AND SEALER MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. INSTALL NEW JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, AS INDICATED AND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

PAINTING NOTES

1. SEE PAINTING SCHEDULE ON SHEET A111 FOR COLORS

REGISTERED ARCHITECT ROBERT A. GABALSKI STATE OF NEW YORK 034255

CONSTRUCTION LEGEND
PREPARATION AND SEALANT APPLICATION AREA
"NO PARKING" AREA STRIPING

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

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☐ AS BUILT – CHANGES AS NOTED
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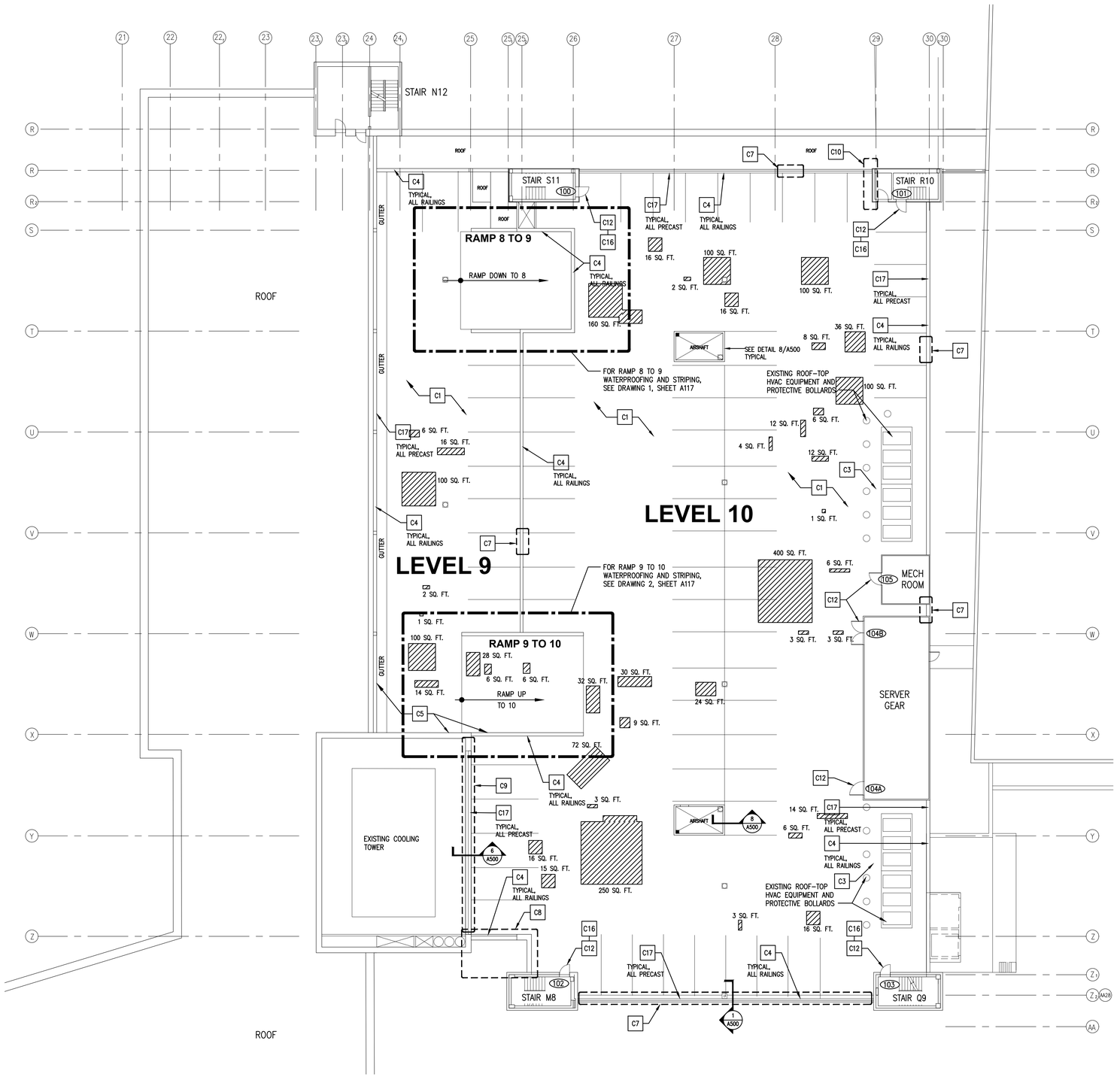
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL B2 ENLARGED CONSTRUCTION AND STRIPING PLANS

CONTRACT NUMBER: 19-515
SHEET NUMBER: A113
SHEET NO. 11 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-A-358-0
REV. NO.



1 LEVELS 9 & 10 CONSTRUCTION PLAN
1/16" = 1'-0"

IN CHARGE OF	BOB GABALSKI
CHECKED BY	MICHAEL BERTA
MADE BY	BRETT HUTTMAN

CONSTRUCTION KEY NOTES

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PAINTING NOTES

1. SEE PAINTING SCHEDULE ON SHEET A111 FOR COLORS

CONSTRUCTION LEGEND

AREA OF DAMAGED CONCRETE SLAB FOR PATCH AND REPAIR TOTALING APPROXIMATELY 1,730 SQ. FT. – REFER TO STRUCTURAL DRAWINGS FOR REPAIR INFORMATION, INCLUDING APPROXIMATELY 1,150 LIN. FT. OF CRACK REPAIR NOT SHOWN ON THIS PLAN

LEVELS 9 AND 10
LEVEL 9 = APPROXIMATELY 6,016 SF
LEVEL 10 = APPROXIMATELY 29,184 SF
TOTAL AREA = APPROXIMATELY 35,200 SF

REGISTERED ARCHITECT ROBERT A. GABALSKI 024335 STATE OF NEW YORK

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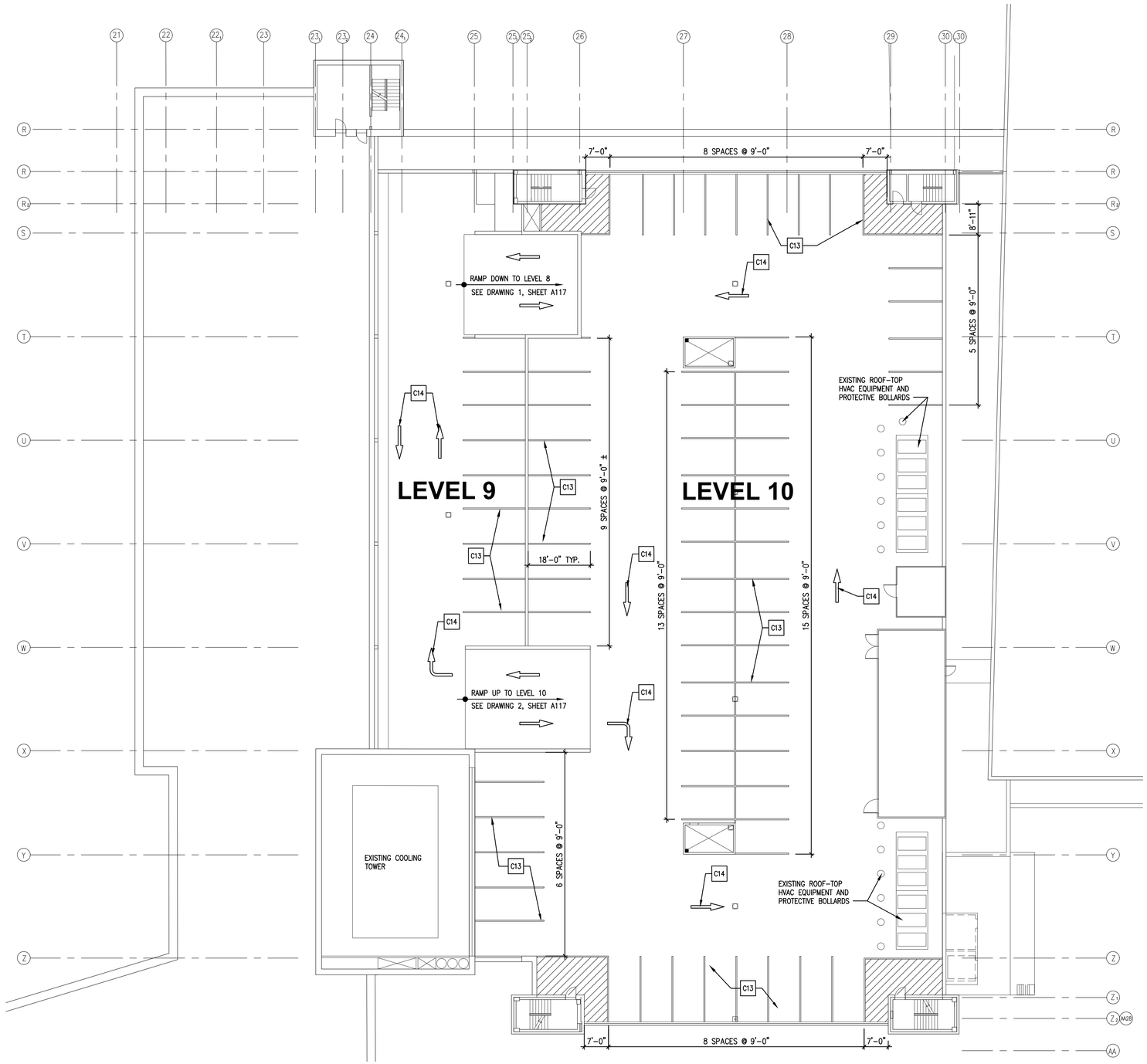
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVELS 9 & 10 CONSTRUCTION PLAN

CONTRACT NUMBER: 19-515
SHEET NUMBER: A114
SHEET NO. 12 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-A-359-0
REV. NO.:



1 LEVELS 9 & 10 STRIPING PLAN
1/16 = 1'-0"

IN CHARGE OF	BOB GABALSKI
CHECKED BY	MICHAEL BERTA
MADE BY	BRETT HUTTMAN

CONSTRUCTION KEY NOTES

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PAINTING NOTES

1. SEE PAINTING SCHEDULE ON SHEET A111 FOR COLORS

REGISTERED ARCHITECT ROBERT A. GABALSKI 034235 STATE OF NEW YORK

CONSTRUCTION LEGEND

"NO PARKING" AREA STRIPING

LEVELS 9 AND 10
LEVEL 9 = APPROXIMATELY 6,016 SF
LEVEL 10 = APPROXIMATELY 29,184 SF
TOTAL AREA = APPROXIMATELY 35,200 SF

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SIGNATURE
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PROJECT COORDINATOR
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVELS 9 & 10 STRIPING PLAN

CONTRACT NUMBER 19-515
SHEET NUMBER A115
SHEET NO. 13 OF 87
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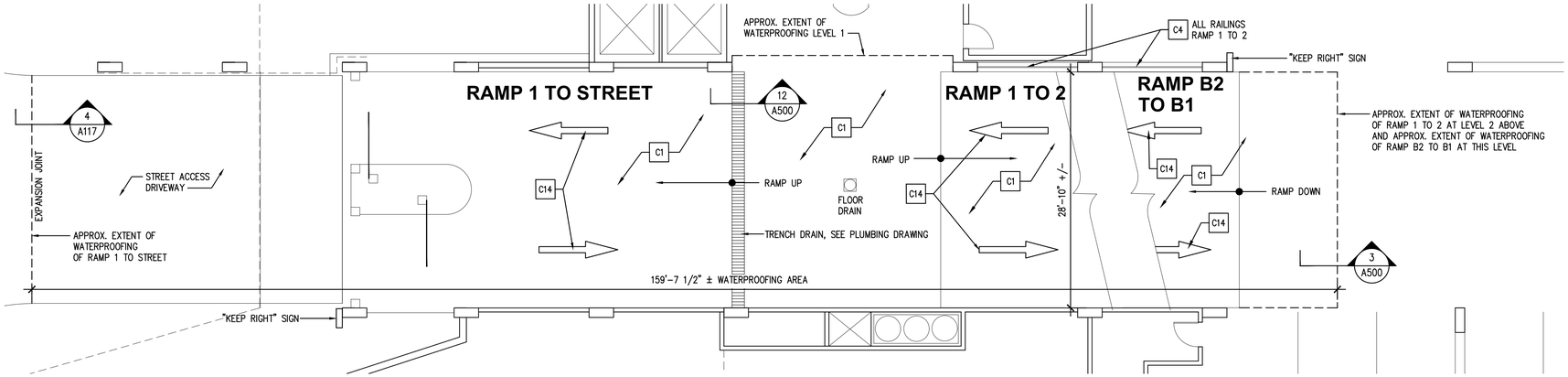
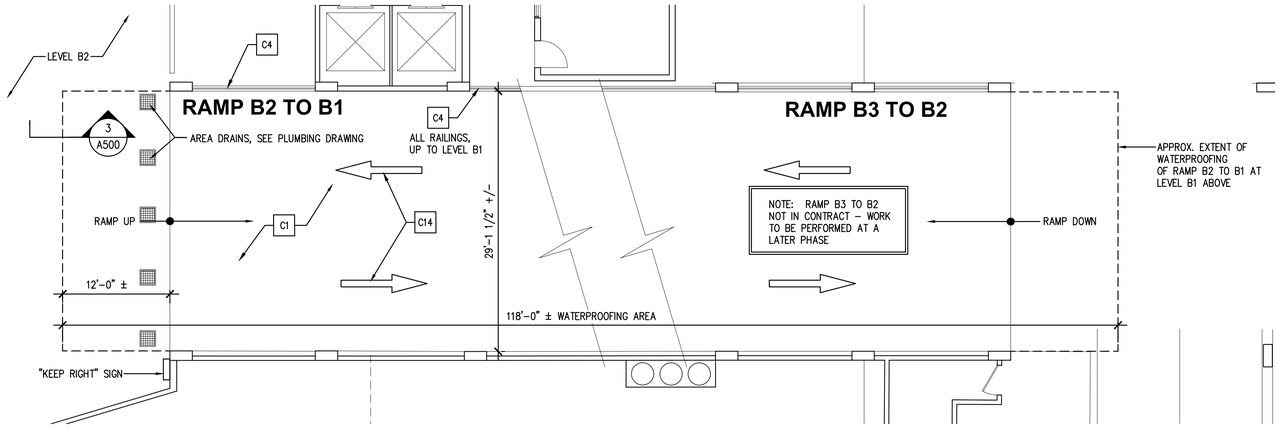
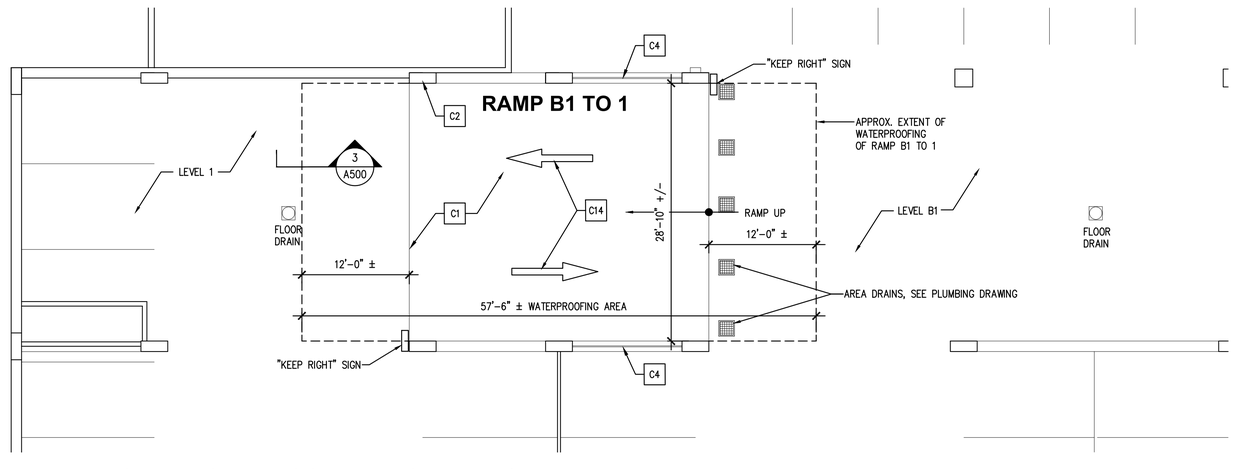
REV. NO.



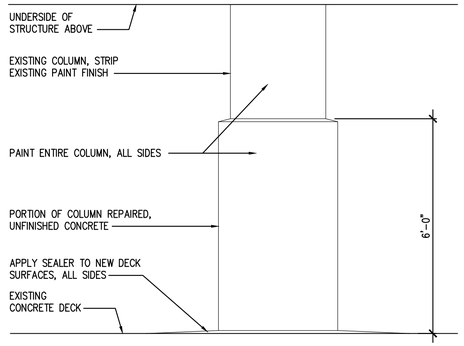
1 RAMPS 1 TO STREET AND 1 TO 2 ENLARGED PLAN (AS VIEWED FROM LEVEL 1)
1/8" = 1'-0"



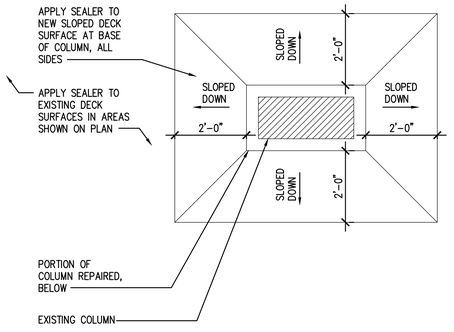
2 RAMP B2 TO B1 ENLARGED PLAN (AS VIEWED FROM LEVEL B2)
1/8" = 1'-0"



3 RAMP B1 TO 1 ENLARGED PLAN (AS VIEWED FROM LEVEL B1)
1/8" = 1'-0"



4 REPAIRED COLUMN ELEVATION
1/2" = 1'-0"



5 REPAIRED COLUMN PLAN SECTION
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2. ALL NEWLY INSTALLED OR REPAIRED ITEMS ARE TO BE FINISHED TO MATCH ADJACENT EXISTING ITEMS UNLESS OTHERWISE INDICATED. SUCH ITEMS MAY INCLUDE HANDRAILS, GUARDRAILS, DOORS, DOOR FRAMES, GFRC WALL PANELS, ETC.
3. INSTALL NEW "KEEP RIGHT" SIGNS AT EACH RAMP APPROACH AT EACH LEVEL. APPROXIMATE LOCATION AS SHOWN ON DRAWINGS.
4. PRIOR TO ANY WORK, TEST EXISTING PAINTED SURFACES THAT WILL BE DISTURBED OR REMOVED FOR LEAD PAINT CONTENT. IF FOUND, ABATE LEAD–BASED PAINT MATERIALS WITH APPROVED DUMOND PEEL AWAY PAINT REMOVER SYSTEM.

WATERPROOFING DEMOLITION AND PREPARATION NOTES

1. REMOVE ALL EXISTING JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, WITHIN ALL AREAS OF WORK IDENTIFIED TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
2. SHOT–BLAST ALL CONCRETE SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL.
3. CLEAN ALL SURFACES TO RECEIVE NEW WATERPROOFING OR DECK SEALING MATERIAL AS PER MANUFACTURER'S RECOMMENDATIONS OR WRITTEN INSTRUCTIONS.

WATERPROOFING INSTALLATION NOTES

1. INSTALL WATERPROOFING AND SEALER MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. INSTALL NEW JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, AS INDICATED AND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

PAINTING NOTES

1. SEE PAINTING SCHEDULE ON SHEET A111 FOR COLORS

REGISTERED ARCHITECT ROBERT A. GABALSKI 034235 STATE OF NEW YORK

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
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PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ENLARGED RAMP PLANS

CONTRACT NUMBER: 19–515
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SHEET NO. 14 OF 97
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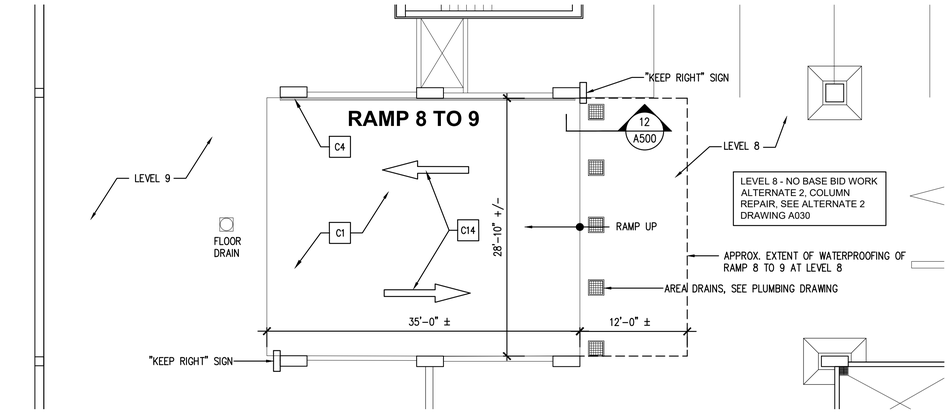
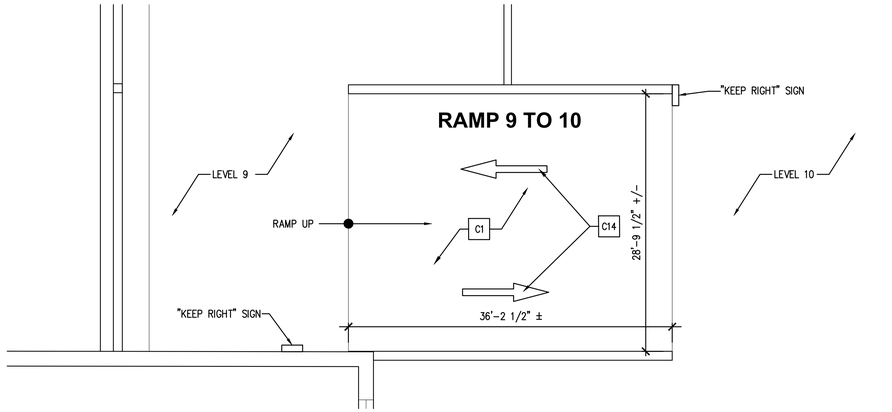
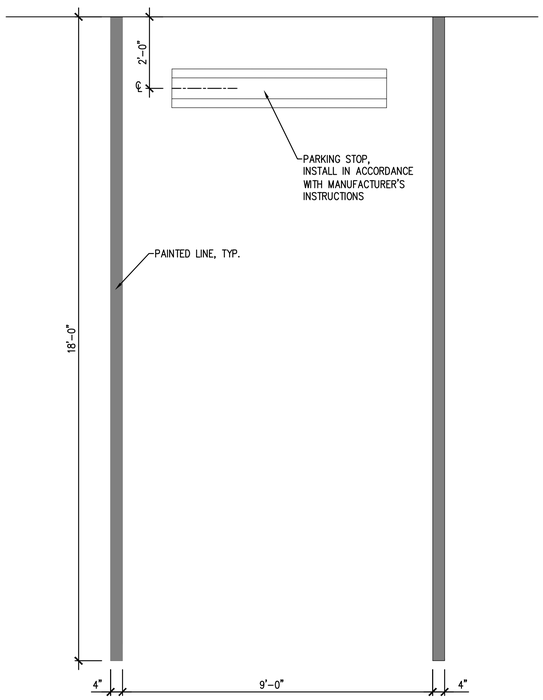
REV NO.:



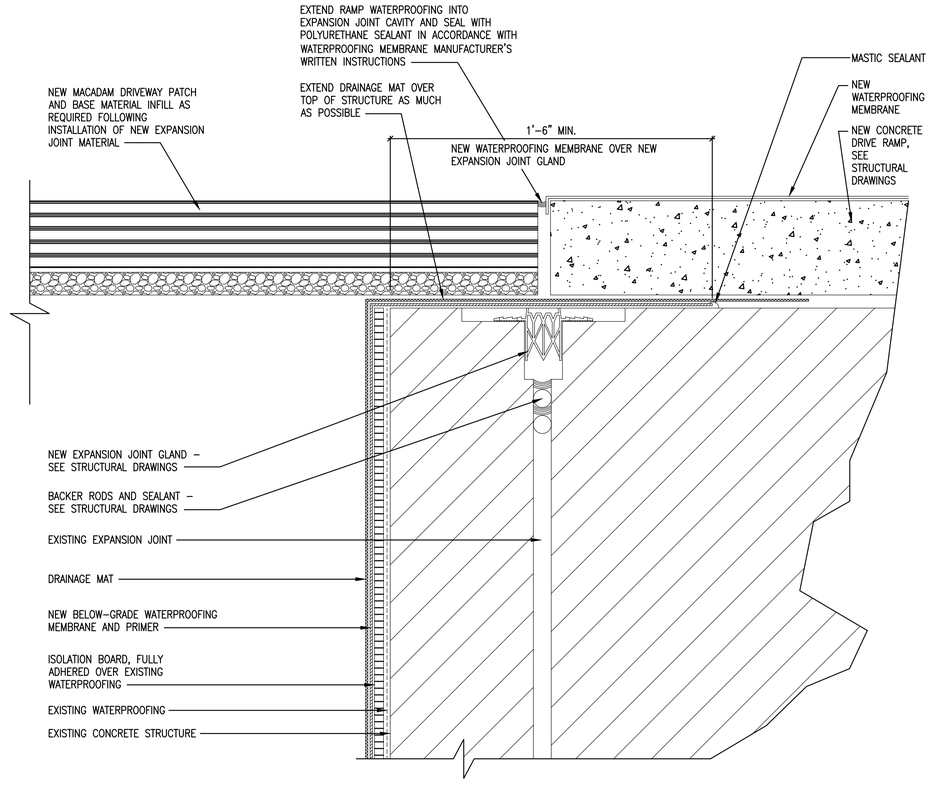
1 RAMP 8 TO 9 ENLARGED PLAN (AS VIEWED FROM LEVEL 8)
1/8" = 1'-0"



2 RAMP 9 TO 10 ENLARGED PLAN (AS VIEWED FROM LEVEL 9)
1/8" = 1'-0"



3 TYPICAL PARKING STALL STRIPING LAYOUT
1/2" = 1'-0"



4 EXPANSION JOINT AND RAMP WATERPROOFING DETAIL - RAMP 1 TO STREET
3" = 1'-0"

CONSTRUCTION KEY NOTES	
C1	PREPARE CONCRETE SURFACES IN ACCORDANCE WITH WATERPROOFING MANUFACTURER'S INSTRUCTIONS FOR APPLICATION OF NEW WATERPROOFING. APPLY WATERPROOFING IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN APPLICATION INSTRUCTIONS. REFER TO STRUCTURAL DRAWINGS FOR REPAIR INFORMATION.
C2	STRIP EXISTING FINISH FROM COLUMN AND PREPARE SURFACES FOR NEW PAINT AS PER MANUFACTURERS INSTRUCTIONS. PAINT REPAIRED COLUMN AS INDICATED, SEE DETAIL 4 SHEET A116 FOR MORE INFORMATION. SEE STRUCTURAL DRAWINGS FOR REPAIR INFO.
C3	REMOVED AND DISPOSE OF ANY ABANDONED RAILINGS IN THIS AREA
C4	PREPARE RAILING SURFACES AND SUPPORTS FOR APPLICATION OF NEW PAINT IN ACCORDANCE WITH PAINT MANUFACTURER'S INSTRUCTIONS. PAINT ALL EXPOSED SURFACES
C5	REPAIR DAMAGED GFRC PANEL, PATCH AND FINISH TO MATCH
C6	PREPARE CONCRETE DECK, IN AREA SHADED, AS PER MANUFACTURERS SPECIFICATIONS FOR APPLICATION OF NEW SILANE SEALER. APPLY SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SEE DETAIL 5, SHEET A116 FOR MORE INFORMATION
C7	REMOVE AND REPLACE DAMAGED/BENT RAILING (SEE DETAIL 1/A500)
C8	REMOVE METAL SIDING PANEL (SEE DETAIL 6/A500)
C9	REPAIR DAMAGED METAL FLASHING (SEE DETAIL 5/A500)
C10	REPLACE MISSING GFRC PANEL, MATCH EXISTING (SEE DETAIL 7/A500)
C11	N O T U S E D N O T U S E D
C12	REMOVE EXISTING DOOR AND FRAME, REPLACE WITH NEW AS INDICATED, SEE DOOR SCHEDULE
C13	STRIPE PARKING STALLS, GUIDANCE LINES, AND "NO PARKING" AREAS (SEE DETAIL 3/A117)
C14	PAINT NEW DIRECTION ARROWS
C15	INSTALL NEW PARKING STOPS – SEE 3/A117
C16	REPAIR DAMAGED CONCRETE BLOCK DOOR THRESHOLD FOR INSTALLATION OF NEW DOORWAY SADDLE FOR A WEATHER-TIGHT FIT, SEE STRUCTURAL DRAWINGS PAINT INTERIOR AND EXTERIOR SURFACES OF THRESHOLD WITH YELLOW PAINT
C17	PREPARE PRECAST CONCRETE WALL PANEL AS PER MANUFACTURERS SPECIFICATIONS FOR APPLICATION OF NEW SILANE SEALER. APPLY SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

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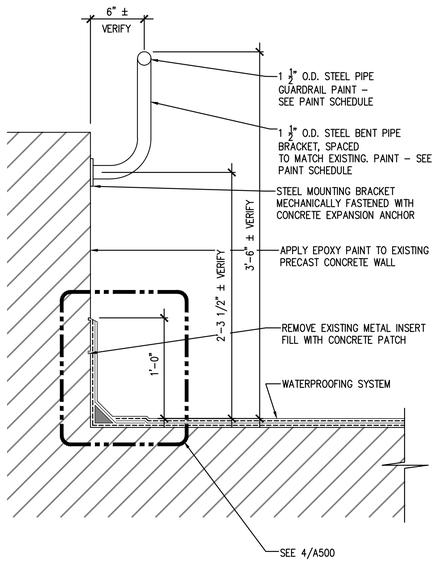
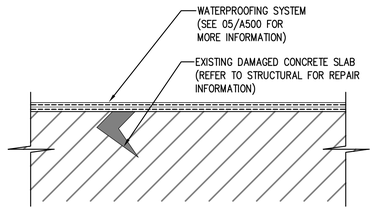
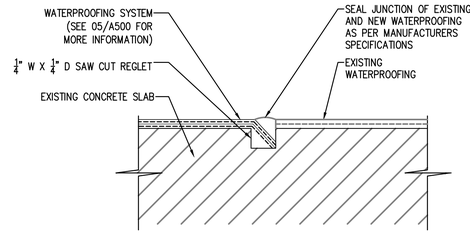


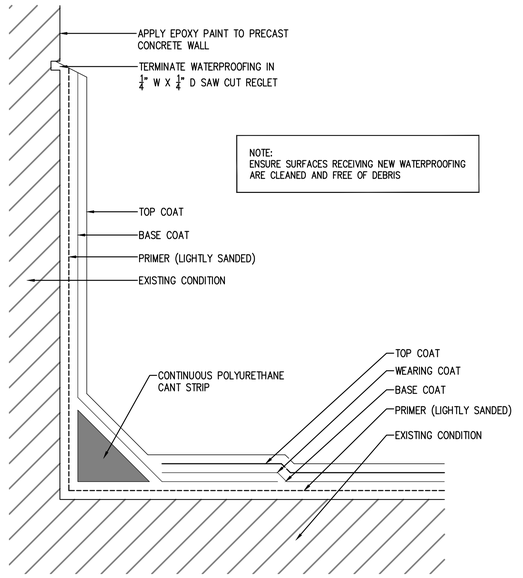
1 TYPICAL WATERPROOFING TERMINATION AT PARAPET
1 1/2" = 1'-0"



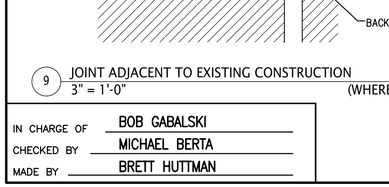
2 WATERPROOFING AT DAMAGED SLAB
NOT TO SCALE



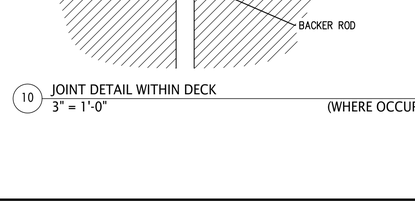
3 WATERPROOFING TERMINATION
NOT TO SCALE



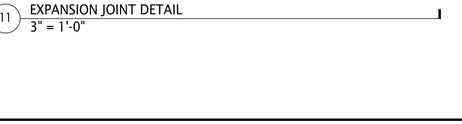
4 WATERPROOFING DETAIL
6" = 1'-0"



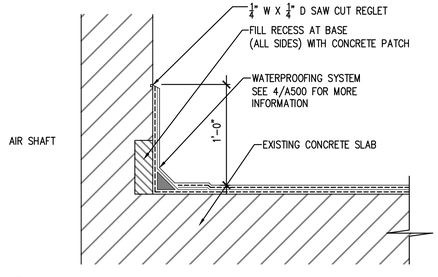
5 COOLING TOWER FLASHING REPAIR
1 1/2" = 1'-0"



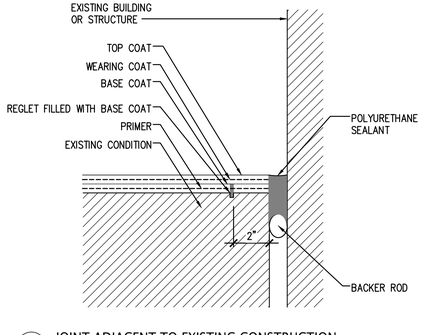
6 SECTION DETAIL AT EXISTING METAL SIDING
1 1/2" = 1'-0"



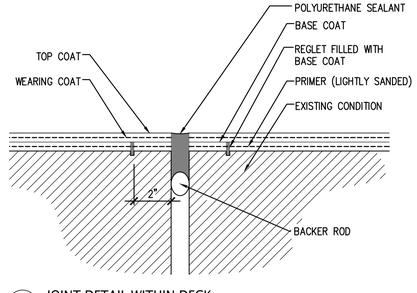
7 SECTION DETAIL AT GFRC
1 1/2" = 1'-0"



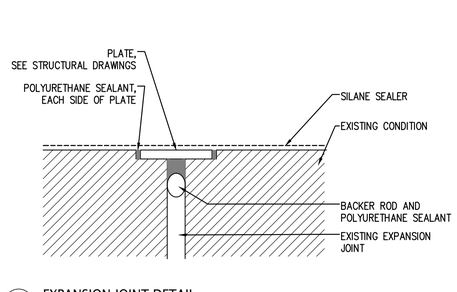
8 SECTION DETAIL AT AIR SHAFTS ON LEVEL 10
1 1/2" = 1'-0"



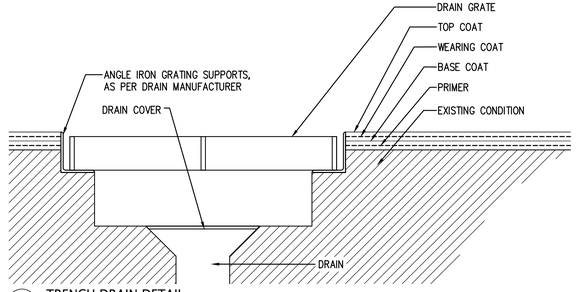
9 JOINT ADJACENT TO EXISTING CONSTRUCTION
3" = 1'-0" (WHERE OCCURS)



10 JOINT DETAIL WITHIN DECK
3" = 1'-0" (WHERE OCCURS)



11 EXPANSION JOINT DETAIL
3" = 1'-0"



12 TRENCH DRAIN DETAIL
3" = 1'-0"

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

GENERAL NOTES

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3. PREPARE ALL SURFACES TO RECEIVE NEW PAINT OR WATERPROOFING MATERIALS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN DIRECTIONS.

WATERPROOFING DEMOLITION AND PREPARATION NOTES

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WATERPROOFING INSTALLATION NOTES

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2. INSTALL NEW JOINTING MATERIALS, INCLUDING BACKER AND SEALANT, AS INDICATED AND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. TERMINATE ALL WATERPROOFING IN 1/4" X 1/4" SAWCUT REGLET, UNLESS OTHERWISE NOTED OR INSTRUCTED BY MANUFACTURER FOR THE CONDITION ENCOUNTERED.

PAINTING NOTES

1. REFER TO SHEET A111 FOR PAINT SCHEDULE

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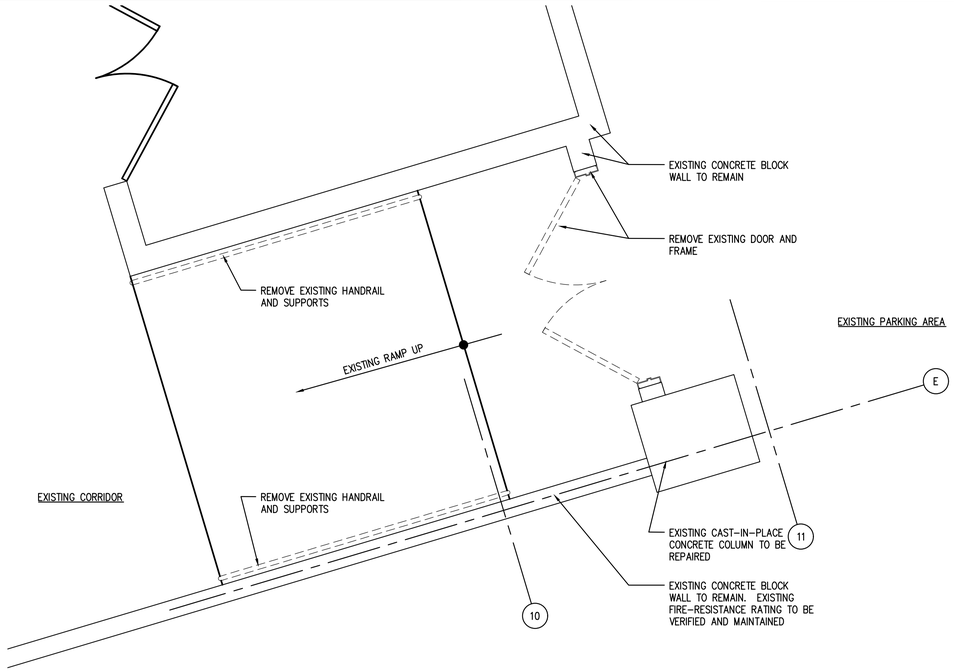
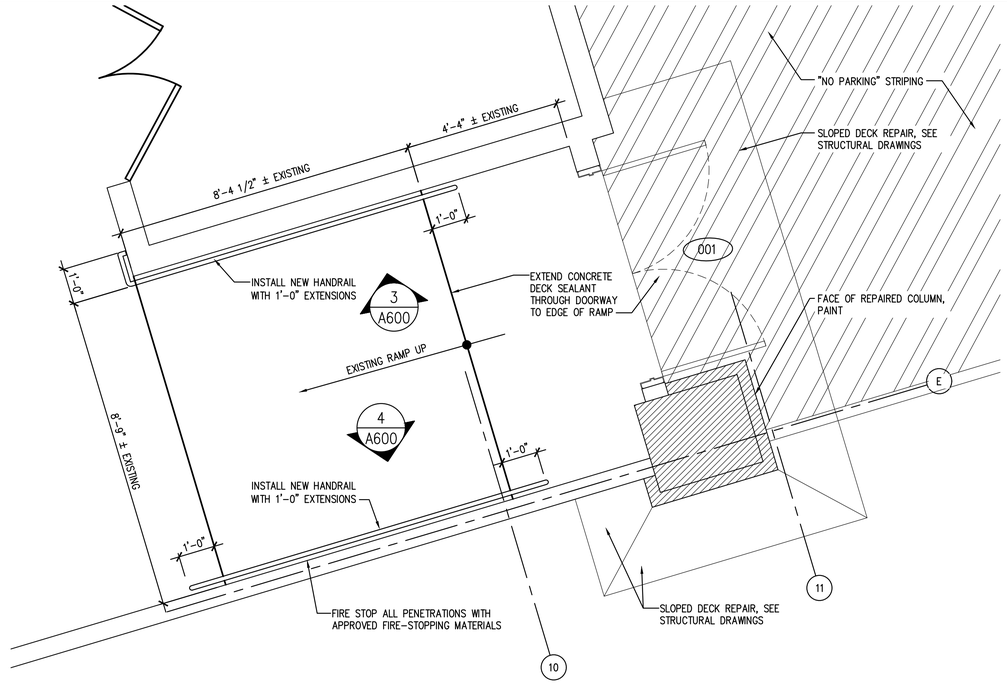
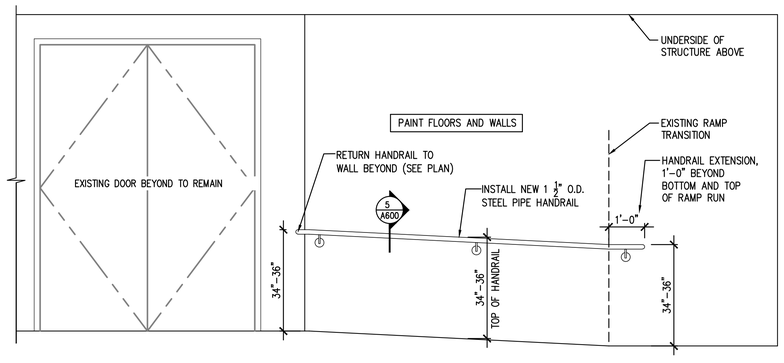


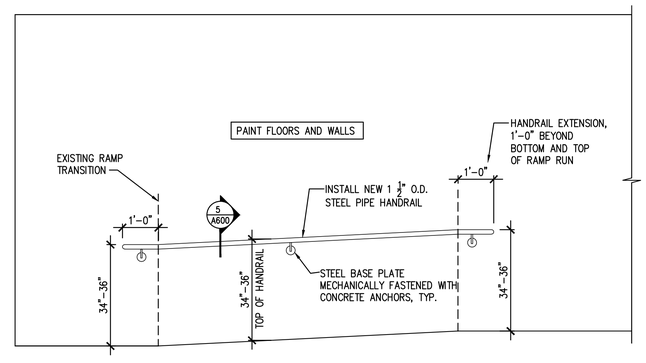
1 ENLARGED DEMOLITION PLAN LEVEL B3 CORRIDOR AND E-11 COLUMN
1/2" = 1'-0"



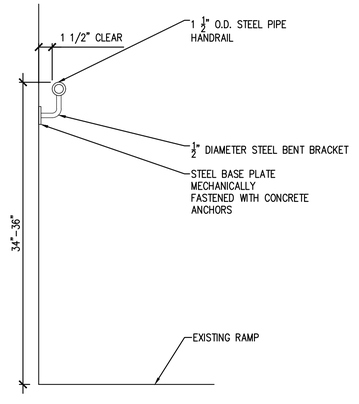
2 ENLARGED CONSTRUCTION PLAN LEVEL B3 CORRIDOR AND E-11 COLUMN
1/2" = 1'-0"



3 INTERIOR ELEVATION AT LEVEL B3 CORRIDOR
1/2" = 1'-0"



4 INTERIOR ELEVATION AT LEVEL B3 CORRIDOR
1/2" = 1'-0"



5 RAILING DETAIL AT LEVEL B3 HALLWAY
1-1/2" = 1'-0"

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

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☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE
DATE

PROJECT COORDINATOR
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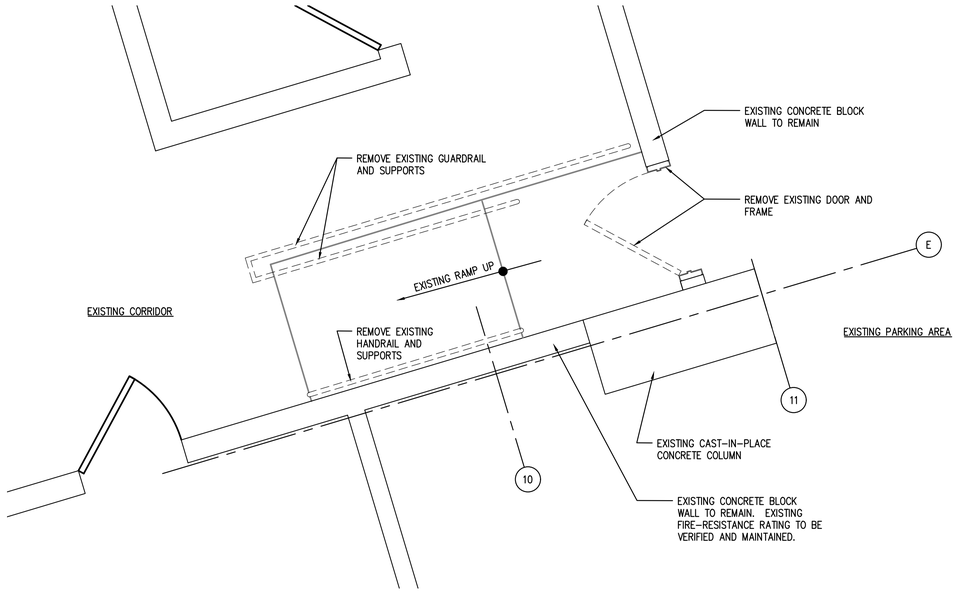
SIGNATURE
TITLE
DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

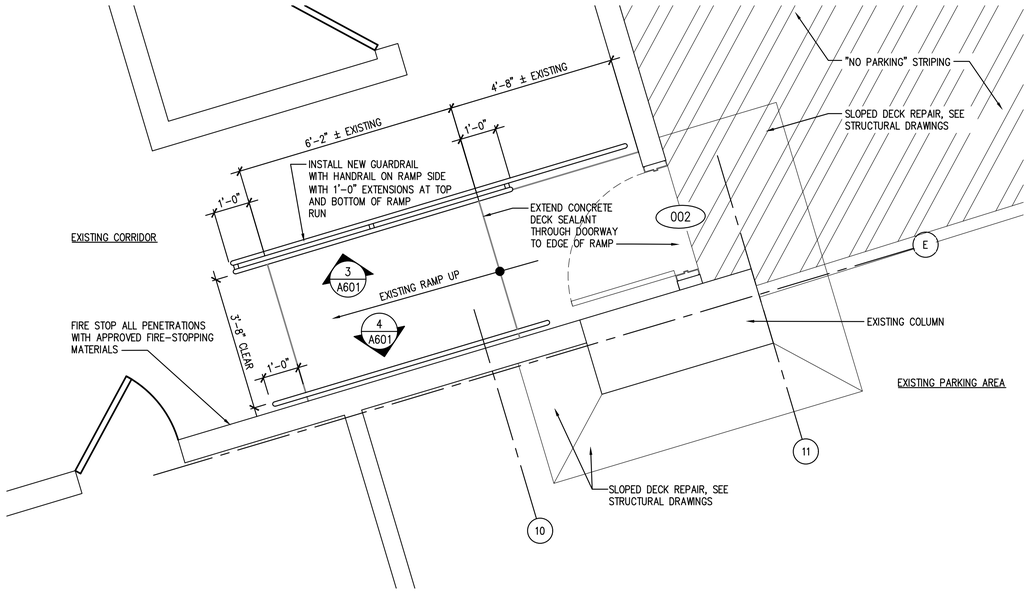
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

B3 ENLARGED PLANS, ELEVATIONS AND DETAILS

CONTRACT NUMBER: 19-515
SHEET NUMBER: A600
SHEET NO. 17 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-A-364-0
REV. NO.:



1 ENLARGED DEMOLITION PLAN LEVEL B2 CORRIDOR AND E-11 COLUMN
1/2" = 1'-0"



2 ENLARGED CONSTRUCTION PLAN LEVEL B2 CORRIDOR AND E-11 COLUMN
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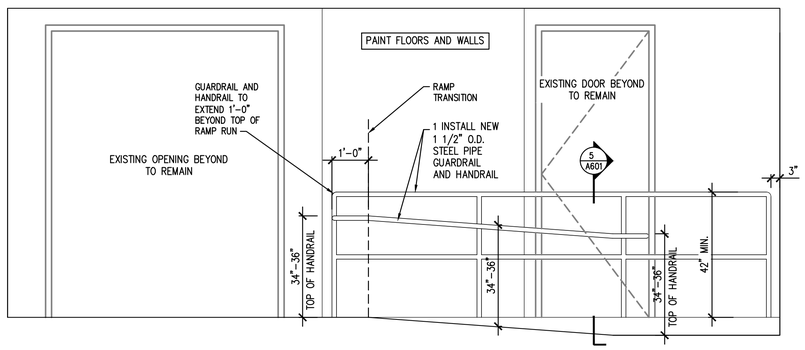
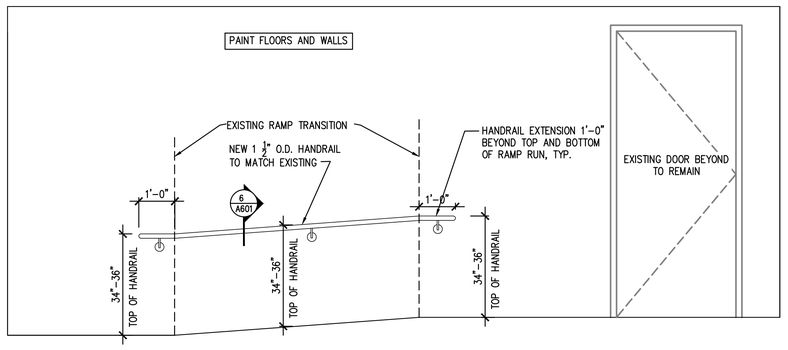
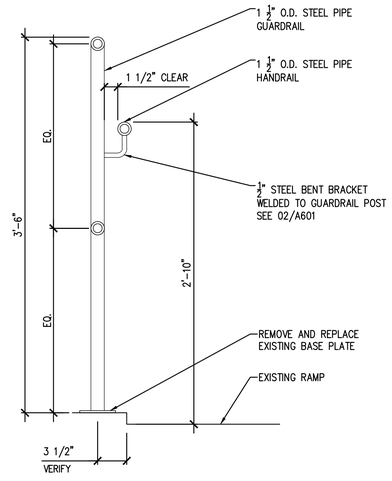


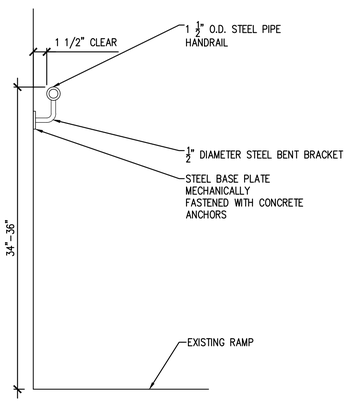
3 INTERIOR ELEVATION AT LEVEL B2 CORRIDOR
1/2" = 1'-0"



4 INTERIOR ELEVATION AT LEVEL B2 CORRIDOR
1/2" = 1'-0"



5 GUARDRAIL AND HANDRAIL SECTION DETAIL
1 1/2" = 1'-0"



6 RAILING DETAIL AT LEVEL B2 CORRIDOR
1-1/2" = 1'-0"

IN CHARGE OF BOB GABALSKI
CHECKED BY MICHAEL BERTA
MADE BY BRETT HUTTMAN

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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PARKING GARAGE REHABILITATION – PHASE 1
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B2 ENLARGED PLANS, ELEVATIONS AND DETAILS

CONTRACT NUMBER 19-515
SHEET NUMBER A601
SHEET NO. 18 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-A-365-0
REV. NO.

DOOR SCHEDULE

	DOOR NO.	FROM/TO	DOOR SIZE	DOOR MAT	FRAME MAT	PANEL OPT	ELEV.	HEAD DTL.	JAMB DTL.	SADDLE	FIRE RTG	ADDITIONAL NOTES	HARDWARE SET
B3 & B2	001	LEVEL B3 CORRIDOR/PARKING	MATCH EXISTING (2 AT 3'-0" X 7'-0" ±)	HM	HM	GL	TYPE B	3/A800	4/A800	TYPE C	'B' LABEL		3
	002	LEVEL B2 CORRIDOR/PARKING	MATCH EXISTING (± 3'-0" X 7'-0")	HM	HM	GL	TYPE A	3/A800	4/A800	TYPE C	'B' LABEL		1

MAT. DEFINTIONS:
HM HOLLOW METAL

PANEL OPTION DEFINITIONS:
GL GLASS PANEL
NA NOT APPLICABLE

REFER TO SPECIFICATION SECTION 087100 "DOOR HARDWARE"
ALL DOORS SHALL BE ADA COMPLIANT IN OPERATION INCLUDING OPENING AND CLOSING FORCES WHERE CLOSERS ARE PROVIDED.
ALL DOORS AND FRAMES SHALL BE PAINTED

GLAZING NOTES:
1. FIRE RATED DOORS: 90 MINUTE FIRE-RATED GLASS, MIN. 1/4" THICK
2. NON-FIRE RATED DOORS: 1/4" THICK, TEMPERED, CLEAR GLASS

1 DOOR SCHEDULE FOR LEVEL B3 & B2
N.T.S.

DOOR SCHEDULE

	DOOR NO.	FROM/TO	DOOR SIZE	DOOR MAT	FRAME MAT	PANEL OPT	ELEV.	HEAD DTL.	JAMB DTL.	SADDLE	FIRE RTG	ADDITIONAL NOTES	HARDWARE SET
LEVEL 10	100	STAIR S11/LEVEL 10	MATCH EXISTING (± 3'-0" X 7'-0")	HM	HM	GL	TYPE E	3/A800	4/A800	TYPE A	–		1
	101	STAIR R10/LEVEL 10	MATCH EXISTING (± 3'-0" X 7'-0")	HM	HM	GL	TYPE E	3/A800	4/A800	TYPE A	–		1
	102	STAIR M8/LEVEL 10	MATCH EXISTING (± 3'-0" X 7'-0")	HM	HM	GL	TYPE E	3/A800	4/A800	TYPE A	–		1
	103	STAIR Q9/LEVEL 10	MATCH EXISTING (± 3'-0" X 7'-0")	HM	HM	GL	TYPE E	3/A800	4/A800	TYPE A	–		1
	104A	SERVER GEAR/LEVEL 10	MATCH EXISTING (± 3'-0" X 7'-0")	HM	HM	NA	TYPE C	3/A800	4/A800	TYPE B	–		2
	104B	SERVER GEAR/LEVEL 10	MATCH EXISTING (2 AT 3'-0" X 7'-0" ±)	HM	HM	NA	TYPE D	3/A800	4/A800	TYPE B	–		3
	105	MECH ROOM/LEVEL 10	MATCH EXISTING (± 3'-0" X 7'-0")	HM	HM	NA	TYPE C	3/A800	4/A800	TYPE B	–		2

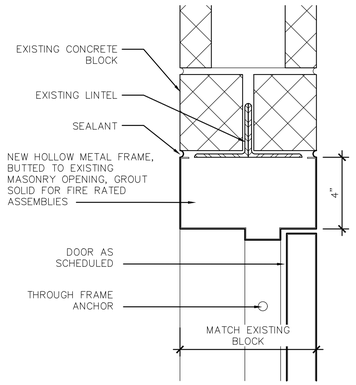
MAT. DEFINTIONS:
HM HOLLOW METAL

PANEL OPTION DEFINITIONS:
GL GLASS PANEL
NA NOT APPLICABLE

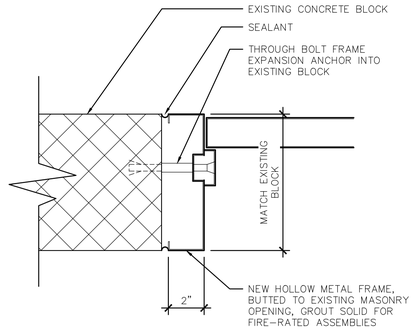
REFER TO SPECIFICATION SECTION 087100 "DOOR HARDWARE"
ALL DOORS SHALL BE ADA COMPLIANT IN OPERATION INCLUDING OPENING AND CLOSING FORCES WHERE CLOSERS ARE PROVIDED.
ALL DOORS AND FRAMES SHALL BE PAINTED

GLAZING NOTES:
1. FIRE RATED DOORS: 90 MINUTE FIRE-RATED GLASS, MIN. 1/4" THICK
2. NON-FIRE RATED DOORS: 1/4" THICK, TEMPERED, CLEAR GLASS

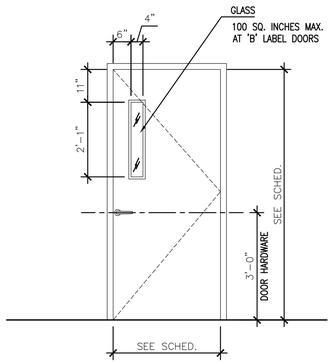
2 DOOR SCHEDULE FOR LEVEL 10
N.T.S.



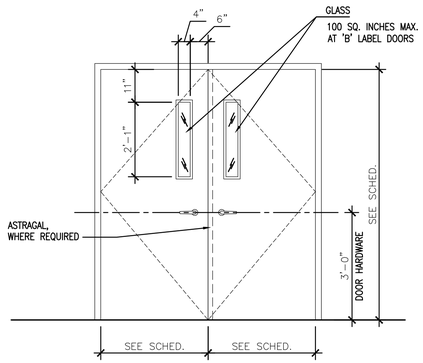
3 HEAD DETAIL TYPE 'A'
3" = 1'-0"



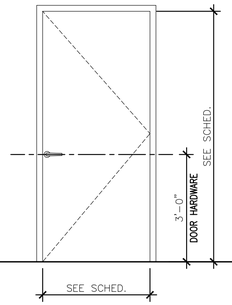
4 JAMB DETAIL TYPE 'A'
3" = 1'-0"



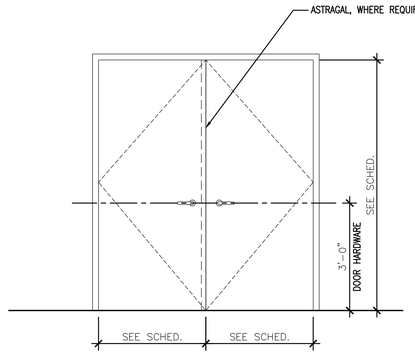
5 DOOR ELEVATION TYPE 'A'
1/2" = 1'-0"



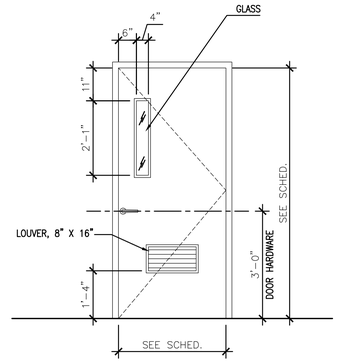
6 DOOR ELEVATION TYPE 'B'
1/2" = 1'-0"



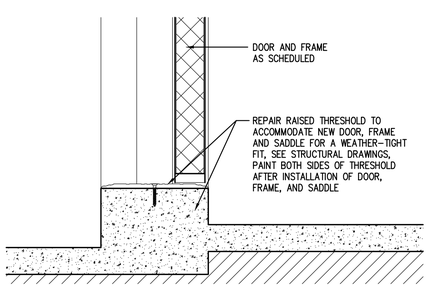
7 DOOR ELEVATION TYPE 'C'
1/2" = 1'-0"



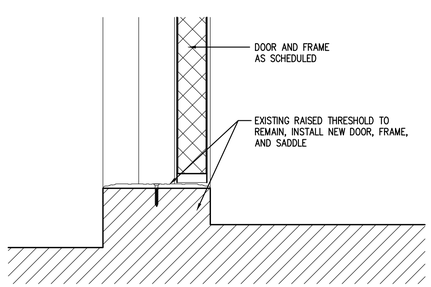
8 DOOR ELEVATION TYPE 'D'
1/2" = 1'-0"



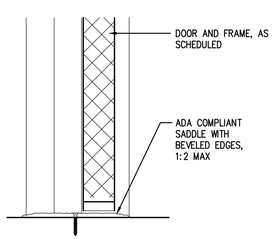
9 DOOR ELEVATION TYPE 'E'
1/2" = 1'-0"



10 SADDLE DETAIL TYPE 'A'
3" = 1'-0"



11 SADDLE DETAIL TYPE 'B'
3" = 1'-0"



12 SADDLE DETAIL TYPE 'C'
3" = 1'-0"

IN CHARGE OF BOB GABALSKI
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MADE BY BRETT HUTTMAN

REGISTERED ARCHITECT ROBERT A. GABALSKI 034235 STATE OF NEW YORK

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PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

DOOR SCHEDULE AND DETAILS

CONTRACT NUMBER 19-515
SHEET NUMBER A800
SHEET NO. 19 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-A-366-0
REV. NO.

GENERAL NOTES

DIMENSIONS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS HAVE BEEN OBTAINED FROM OR BASED ON EXISTING DRAWINGS, LIMITED FIELD MEASUREMENT AND SURVEY. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS WHICH MAY EFFECT FABRICATION AND CONSTRUCTION BEFORE THE COMMENCEMENT OF CONSTRUCTION WORK.

VISIT THE SITE BEFORE BIDDING TO FAMILIARIZE ONESELF WITH THE PRESENT CONDITIONS AND JUDGE THE EXTENT AND NATURE OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT (SEE SPECIFICATIONS FOR PRE-BID INSPECTION REQUIREMENTS).

SHORE IN ACCORDANCE WITH SHORING NOTES AND REQUIREMENTS OF THE SPECIFICATIONS. SUBMIT SHORING PLANS FOR A/E REVIEW. SHORING PLANS SHALL INCLUDE THE DESIGN CALCULATIONS, SHORING SEQUENCE AND METHOD OF BRACING AND SIGNED AND SEALED BY A STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER.

DIRECT ATTENTION TO THE FACT THAT PRECISE EXTENT OF CONCRETE DETERIORATION CAN NOT BE KNOWN UNTIL CHIPPING AND REMOVAL PROCEEDS. AREAS MARKED FOR REPAIR, OR AREAS DESIGNATED FOR REPAIR ON THE PLANS ARE TO BE CONSIDERED TENTATIVE, SUBJECT TO FINAL DIRECTION AS THE WORK PROGRESSES. THE ACTUAL EXTENT OF REPAIRS, AND DETAILS TO BE INCORPORATED IN THE WORK, MAY CHANGE AS THE WORK PROGRESSES.

PERFORM WORK WITH CARE SO MATERIALS REMAINING IN PLACE WILL NOT BE DAMAGED. THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

CAREFULLY REMOVE CONCRETE DESIGNATED FOR REMOVAL. DAMAGED WIRE MESH, SHALL BE REMOVED TO WITHIN 10" OF THE EDGE OF CONCRETE REMOVAL AND REPLACED. USE CARE AND LEAVE REINFORCING STEEL UNDAMAGED, UNTIL CONDITION HAS BEEN DETERMINED BY A LICENSED SITE INSPECTOR, ARCHITECT AND ENGINEERING TEAM.

CHIPPING HAMMERS FOR REMOVAL OF CONCRETE ON COLUMNS, SHALL BE AIR OR ELECTRIC POWERED, AND WEIGH NO MORE THAN 15 POUNDS WITH BITS REMOVED.

ERECT TRANSPARENT PLASTIC SHEETING AROUND THE ENTIRE WORK AREA, EXTENDING FULL HEIGHT, AND SECURED TO TEMPORARY NAILING STRIPS. A VACUUM BOX, WITH FANS AND MINIMUM OF 36 SQUARE FEET OF HEPA FILTER, SHALL WITHDRAW AIR FROM THE ENCLOSURE DURING DEMOLITION. FANS WILL WITHDRAW AND FILTER AIR AT THE RATE OF 2000 CUBIC FEET PER MINUTE.

DO NOT DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL ONTO THE AREA BELOW AND/OR ADJACENT TO THE WORK AREA. USE PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES TO CATCH MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES. PROTECTIVE DEVICES SHALL BE FURNISHED AND INSTALLED TO THE SATISFACTION OF THE ENGINEER

SAND BLAST OR WIRE WHEELED CLEAN EXPOSED REINFORCING STEEL FOR INSPECTION AND AGAIN PRIOR TO PLACEMENT OF NEW CONCRETE.

REPLACE REINFORCING STEEL FOUND WITH A REDUCTION OF 20% OR MORE IN CROSS-SECTIONAL AREA DUE TO CORROSION OR OTHER MEANS. PERFORM SPLICING IN ACCORDANCE WITH REPAIR NOTES AND DETAILS FOUND IN THESE DRAWINGS.

CONCRETE SURFACES SHALL BE AIR BLASTED CLEAN OF DUST, DEBRIS OR SURFACE LAITANCE, PRIOR TO PLACING BONDING AGENT FOR NEW CONCRETE. REMOVE LOOSE FRAGMENTS.

EXISTING SIGNS AND OTHER ELEMENTS THAT DO NOT INTERFERE WITH CONSTRUCTION MAY REMAIN IN PLACE. PROTECT ELEMENTS DURING CONSTRUCTION. SIGNS AND OTHER ELEMENTS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND RE-INSTALLED AFTER REPAIR.

EXISTING WATER AND ELECTRIC POWER ARE AVAILABLE FOR THE CONTRACTOR TO CONNECT TO AND USE FOR CONSTRUCTION RELATED PURPOSES. CONNECTIONS AND FEED LINES ARE THE CONTRACTORS RESPONSIBILITY. VERIFY LOCATIONS AND CAPACITIES OF EXISTING UTILITIES AND SUPPLEMENT SERVICES AS REQUIRED BY CONSTRUCTION.

WHERE LIGHTING CIRCUITS ARE DE-ENERGIZED TO PERMIT CONSTRUCTION, OR DUE TO CONSTRUCTION ACTIVITY, PROVIDE TEMPORARY LIGHTING.

CONSIDER AND INCORPORATE OVERHEAD CLEARANCE LIMITATIONS IN SELECTING VEHICLES, EQUIPMENT, CONSTRUCTION METHODS, DEBRIS REMOVAL TECHNIQUES AND SITE ACCESS MEANS.

BECOME FAMILIAR WITH EXISTING FEATURES, SIGNS, PARKING BLOCKS, DRAIN AND SPRINKLER PIPING, AIR DUCTS/SHAFTS, BOLLARDS AND OTHER ELEMENTS AFFECTING THE WORK.

DURING WORK, SPACES RESERVED FOR THE HANDICAPPED SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER.

PROVIDE 3/4" CHAMFERS ON CORNERS OF POURED CONCRETE MEMBERS.

CONTRACTOR NEEDS TO TEST FOR ASBESTOS AND LEAD IN EXPANSION JOINTS, MEMBRANE, PAINT, AND OTHER NON-CONCRETE PRODUCTS.

ALL EXISTING MEMBRANE AND PAINT SHALL BE REMOVED PRIOR TO ANY CONCRETE REPAIRS ON ALL BEAMS, COLUMNS, FLOORS, SPANDRELS AND WALLS.

COLUMN REPAIR AND ENCASEMENT AND GENERAL REPAIR NOTES

1. ALL SUPPLEMENTAL REINFORCING SHALL BE EPOXY COATED.
2. SHORE JOISTS AND BEAMS AROUND COLUMN REPAIR AREA AT A MINIMUM OF FIVE (5) FEET FROM THE FACE OF THE EXISTING COLUMN IN ALL DIRECTIONS. SEE DETAILS 376/S353 AND 377/S353
3. SLAB AREA EXTENDING TWO (2) FEET FROM ALL SIDES OF THE EXISTING CONCRETE COLUMNS SHALL BE INCORPORATED INTO THE COLUMN REPAIR. SEE 301/S300.
4. SAW-CUT A ONE (1) INCH DEEP JOINT FOR THE EXTENDED SLAB AREA.
5. REMOVE A MINIMUM OF TWO (2) INCHES DEEP OF CONCRETE IN THE EXTENDED SLAB AREA. ALL DETERIORATED CONCRETE SHALL BE REMOVED IN BOTH THE SLAB AND COLUMN.
6. ALL DETERIORATED, LOOSE, OR SPALLING CONCRETE SHALL BE REMOVED IN THE EXTENDED CONCRETE SLAB AREA AND FROM ALL VERTICAL FACES OF THE CONCRETE COLUMN. ANY EXISTING REINFORCING WITH REINFORCING BARS EXPOSED MORE THAN 20% SHALL HAVE THE CONCRETE REMOVED ALL AROUND WITH A 1" GAP.
7. CLEAN EXPOSED REINFORCING STEEL BY ABRASIVE METHODS AND COAT WITH GROUT PASTE OR SIKADUR 32, HIMOD. ADD #5 BARS AS REQUIRED TO SUPPLEMENT DETERIORATED EXISTING REINFORCING BARS ADJACENT TO EXISTING REINFORCING.
8. ALL EXISTING COLUMN EXTERIOR SURFACES SHALL BE ROUGHENED BY ABRASIVE METHODS UP TO 5'-11" ABOVE EXISTING FINISH FLOOR (1" BELOW THE TOP OF CONCRETE ENCASEMENT). ALL PAINT SHALL BE REMOVED FROM COLUMN EXTERIOR SURFACES FOR THE FULL HEIGHT OF THE COLUMN USING DUMOND PEEL AWAY PAINT REMOVER..
9. FOUR (4) INCH CONCRETE ENCASEMENT OF COLUMN SHALL BE POURED WITH THE CONCRETE PRIOR TO THE SLAB CONCRETE BEING POURED. RECOMMEND TO USE SIKA 211 OR EQUIVALANT.
10. DO NOT REMOVE FORMS UNTIL NEW CONCRETE HAS REACHED SEVEN (7) DAYS OLD AND A MINIMUM CONCRETE STRENGTH OF 3500 psi BASED ON TESTING RESULTS.
11. APPLY BONDING AGENT (SUCH AS GROUT PASTE OR SIKADUR 32 HIMOD OR EQUIVALENT) TO THE COLUMN SURFACE AND SLAB AREA JUST PRIOR TO POURING THE NEW CONCRETE. DO NOT ALLOW TO HARDEN.
12. POUR SLAB AREA AROUND COLUMN ENCASEMENT.
13. SLAB AREAS SHALL BE CURED BY COVERING FOR A MINIMUM OF TWO (2) DAYS AND A MINIMUM CONCRETE STRENGTH OF 3500 psi.
14. APPLY POLYURETHANE SEALANT AS DEFINED IN SPECIFICATION.
15. PAINT COLUMNS TO MATCH ORIGINAL.
16. SEE SHEET S300 SERIES FOR COLUMN ENCASEMENT REPAIR DETAILS.

GENERAL REPAIR NOTES

PLACE AND SECURE FORMING TO PREVENT ANY MOVEMENT OF CONCRETE DURING PLACEMENT OR CURING. CLEAN STEEL AND CONCRETE BY AIR AND/OR SAND BLASTING TECHNIQUES AS DIRECTED BY THE ENGINEER, PRIOR TO PLACEMENT OF NEW CONCRETE.

THE CONCRETE QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.

AREAS SHOWING EXPOSED CORRODED STEEL BARS MUST BE CLEANED OF ALL CORRODED MATERIAL, OIL, OR DIRT BY SANDBLASTING OR BY WIRE BRUSHING. CONCRETE SHALL BE REMOVED TO EXPOSE SOUND STEEL OF LENGTH REQUIRED FOR LAP WITH NEW STEEL AND TO A DEPTH OF NOT LESS THAN ONE INCH BEHIND THE REINFORCING STEEL. AREAS EXPOSING NON-CORRODED STEEL BARS SHALL BE CLEANED AND CONCRETE SHALL BE KEYED BY REMOVAL OF CONCRETE A MINIMUM OF ONE INCH BEHIND THE BARS TO INSURE THE BOND BETWEEN THE NEW CONCRETE AND THE REINFORCING BARS.

SANDBLAST ALL CONCRETE SURFACES RECEIVING NEW CONCRETE. JUST PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED, WET DOWN AND COATED WITH A THIN COATING OF 1:1 MORTAR OR NEAT CEMENT PASTE THOROUGHLY BRUSHED INTO THE SURFACE. IT WILL NOT BE NECESSARY TO BRUSH THE MORTAR INTO SURFACES MADE INACCESSIBLE BY MESH OR CLOSELY SPACED REINFORCEMENT WHEN SO DETERMINED BY THE ENGINEER. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

THE CONTRACTOR SHALL IDENTIFY THE CONCRETE SUPPLIER FOR APPROVAL, PRIOR TO PROCEEDING. AS A MINIMUM, THE SELECTED CONCRETE SUPPLIER MUST PROVIDE DOCUMENTATION WITH EACH LOAD OF CONCRETE DELIVERED WHICH GIVES THE FOLLOWING INFORMATION:
A. CEMENT CONTENT BY WEIGHT.
B. AGGREGATE CONTENT BY WEIGHT, FOR THE VARIOUS TYPES.
C. ADMIXTURES, BY TYPE AND AMOUNT.
D. WATER ADDED, BY WEIGHT.
E. MOISTURE CONTENT OF ALL AGGREGATE, AND EQUIVALENT MIX WATER.
F. DATE OF BATCHING.
G. TIME OF BATCHING.

CONCRETE COMPREHENSIVE STRENGTH IS TO BE A MINIMUM OF 3500 PSI AT 7 DAYS AND 5000 PSI AT 28 DAYS AS MEASURED IN ACCORDANCE WITH ACI 318. GREATER STRENGTH IS EXPECTED FOR THE REQUIRED MIXTURE, SINCE DENSITY AND LOW POROSITY ARE THE MOST DESIRABLE CHARACTERISTICS OF THE FINISHED CONCRETE.

ADD WWR 4 X 4 - W4.0 X W4.0 TO ALL SLAB REPAIRS UNLESS NOTED OTHERWISE (U.N.O.) (MINIMUM CONCRETE COVER OF 1½")

ALL FLOOR SLABS SHALL BE FLOAT FINISHED FOLLOWED BY A LIGHT BROOM FINISHING. FINISHING WILL NOT COMMENCE UNTIL AFTER THE CONCRETE HAS ACHIEVED INITIAL SET. IN NO INSTANCE WILL THE FRESH CONCRETE BE DISTURBED WHILE SURFACE WATER IS VISIBLE, OR WHILE A STEEL TROWEL CAN MAKE VISIBLE FURROWS IN THE SURFACE OF THE MATERIAL.

WET CURING BLANKETS WILL BE PLACED AND MAINTAINED IN A WET CONDITION FOR A MINIMUM OF 72 HOURS AFTER FINISHING OF NEW CONCRETE. CURING COMPOUNDS WILL ONLY BE PERMITTED WHERE THIS IS NOT POSSIBLE.

CONTRACTOR TO MAINTAIN BARRICADES AND CONTROLS TO PROHIBIT ALL LIVE LOADS ON THE NEWLY PLACED CONCRETE FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT (FOR ALL NON-RAMP CONCRETE), OR AS DIRECTED BY THE ENGINEER.

STRIP FORMS CONCURRENTLY WITH REMOVAL OF SHORING.

DUE TO THE HIGH WATER TABLE, THE FLOOR OF THE B3 LEVEL WILL OFTEN PUDDLE. THE CONTRACTOR WILL REMOVE ANY WATER ACCUMULATING AROUND THE BASES OF THE COLUMNS IN ORDER TO PERFORM THE REPAIR WORK. THE COST OF REMOVING THIS WATER WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE REPAIR ITEMS.

UTILITY NOTES

CONTRACTOR WILL USE REFERENCE DRAWINGS ATTACHED TO MARK THE LOCATION OF CONDUIT, JUNCTION BOXES AND OTHER EMBEDDED ELECTRICAL EQUIPMENT AS DESCRIBED IN THE APPROPRIATE SPECIFICATION ITEMS. CONCRETE REMOVAL IN AREAS WHERE PIPES, CONDUITS OR OTHER EMBEDDED OR SUSPENDED ITEMS ARE PRESENT WILL BE DONE WITH THE UTMOST CARE TO PREVENT DAMAGE.

EXPOSED (SURFACE MOUNTED) CONDUITS AND LIGHTING FIXTURES WHICH INTERFERE WITH THE PROPOSED WORK SHALL BE MOVED AND PROTECTED DURING CONSTRUCTION, AND REINSTALLED AFTER CONCRETE WORK IS COMPLETE.

ANY DAMAGE DONE TO CONDUIT OR BOXES BY THE CONTRACTORS OPERATIONS SHALL BE REPAIRED BY INSTALLATION OF A NEW JUNCTION BOX OR INSTALLING A NEW SECTION OF CONDUIT TO REPLACE THE DAMAGED SECTION. NEW CONDUCTORS SHALL BE INSTALLED IN THE SECTION OF CONDUIT OF THE SAME GAUGE AS THAT REMOVED. NO SPLICING OF CONDUCTORS WITHIN CONDUIT SHALL BE PERMITTED. PAYMENT TO THE CONTRACTOR FOR THE COST OF REPAIRS, IF REPAIRS ARE DIRECTED BY THE ENGINEER OR IF CONDUIT AND JUNCTION BOXES ARE FOUND AWAY FROM THE AREAS MARKED AS IN THE NOTE ABOVE, SHALL BE AS DESCRIBED IN THE APPROPRIATE SPECIFICATION SECTIONS. THE COST OF REPAIRS, INCLUDING REPLACEMENT OF CONDUCTORS, IF DAMAGED BY CONTRACTOR OPERATIONS IN AREAS MARKED AS CONTAINING CONDUIT, SHALL BE INCLUDED IN THE APPROPRIATE UNIT PRICE FOR THE TYPE OF REPAIR WHICH WAS UNDERWAY AT THE TIME OF THE DAMAGE.

SPRINKLER SYSTEM IS TO REMAIN OPERATIONAL AT ALL TIMES. SPRINKLER PIPES AND HEADS WHICH INTERFERE WITH THE PROPOSED WORK SHALL BE TEMPORARILY SUPPORTED AND MAY BE MOVED WITH THE APPROVAL OF THE ENGINEER. THEY SHALL BE PROTECTED FROM ANY DAMAGE, AND RESTORED TO THE INITIAL POSITION AFTER OTHER WORK IS COMPLETED. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

SHORING NOTES

INITIALLY, STEEL SHORING POSTS WITH A MINIMUM CAPACITY OF 10 KIPS EACH, SHALL BE INSTALLED AT 6 FEET CENTERS, A MINIMUM OF 6 FT AHEAD OF THE WORK IN ALL AREAS WHERE REPAIRS ARE CONTEMPLATED. COORDINATE WITH PHASING PLANS.

TIMBERS MEASURING A NOMINAL 4" X 4" SHALL BE PLACED UNDER THE POSTS FOR LOAD DISTRIBUTION.

AS THE WORK PROGRESSES, A DETERMINATION WILL BE MADE BY THE CONTRACTOR OF WHETHER TENSION REINFORCING IS LIKELY TO BE EXPOSED IN THE AREA CONTRIBUTING LOAD TO THE SHORING.

WHERE TENSION STEEL IS EXPOSED, ADDITIONAL SHORING AT A MINIMUM OF EACH RIB INTERSECTION OR 3' ON CENTER WILL BE PLACED. ALL SHORING AND FORM WORK IS PART OF THE REPAIRS, AND IS INCLUDED IN THE PRICE PER SQUARE FOOT FOR EACH REPAIR, WHETHER OR NOT ANY REPAIRS ARE ACTUALLY CARRIED OUT OVER THE SHORING.

NO ADJUSTMENT IN STEEL SHORING SHALL BE PERMITTED AFTER THE REMOVAL OF THE DEAD LOAD.

SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF 3500 PSI BASED ON TESTING RESULTS.

SEE DETAILS 376 & 377 ON SHEET S353 FOR SHORING.

EQUIPMENT AND LOADING

THE CONTRACTOR IS TO BE AWARE THAT THE PARKING STRUCTURE HAS LIMITED VERTICAL CLEARANCES AND SHALL SELECT HIS EQUIPMENT ACCORDINGLY.

DESIGN LIVE LOADING FOR ALL AREAS OF THE GARAGE, UNLESS OTHERWISE NOTED IS 50 LBS PER SQUARE FOOT. THE CONTRACTOR SHALL SELECT HIS EQUIPMENT ACCORDINGLY AND SUBMIT HIS PROPOSED EQUIPMENT LOADING (PREPAIRED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK) FOR REVIEW AND APPROVAL PRIOR TO THE START OF THE WORK.

MAINTENANCE AND PROTECTION OF TRAFFIC

NO MORE THAN 50 PARKING SPACES MAY BE TAKEN OUT OF SERVICE AT ANY GIVEN TIME UNLESS DIRECTED BY THE ARCHITECT OR ENGINEER.

ACCESS TO EXISTING DOORWAYS AND FIRE EXITS MUST BE MAINTAINED AT ALL TIMES.

NOTES FOR RAMP REPAIRS

1. PROVIDE POST SHORING FOR EXISTING CONCRETE RAMP SLAB ON EACH SIDE OF THE BEAMS TO A MINIMUM OF TWO LEVELS BELOW.
2. REMOVE DETERIORATED CONCRETE FROM THE SIDES AND UNDERSIDE OF THE EXISTING CONCRETE BEAM.
3. FOLLOW REPAIR NOTES OUTLINED ON DRAWING S-040 FOR ADDITIONAL NOTES.
4. PATCH REPAIR THE EXISTING CONCRETE BEAM ALL THE WAY AROUND THE EXPOSED SURFACE.
5. PROVIDE SUPPLEMENTAL REINFORCING AS OUTLINED ON DRAWINGS.
6. REMOVE FORMWORK AND SLAB SHORING AFTER THE BEAM CONCRETE REPAIR PATCHES HAVE CURED FOR SEVEN (7) DAYS. CONCRETE STRENGTH SHALL BE A MINIMUM OF 3500 PSI BASED ON TESTING RESULTS.
7. ADD SHORING UNDER THE CENTER OF THE REPAIRED BEAM A MINIMUM OF ONE (1) LEVEL BELOW.
8. REMOVE THE ENTIRE RAMP SLAB ON EACH SIDE OF THE BEAM AND OVER THE TOP OF THE EXISTING BEAM.
9. PLACE SHORING AND FORM WORK REQUIRED TO REPOUR THE RAMP SLABS.
10. PLACE NEW EPOXY COATED REINFORCING AS SHOW ON DETAILS FOR NEW CONCRETE RAMP SLABS.
11. REPOUR SLAB AREA 8-INCH CONCRETE MINIMUM 5000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
12. REMOVE RAMP SLAB SHORING AND FORMS AFTER THE CONCRETE HAS CURED FOR SEVEN (7) DAYS. CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 3500 PSI.
13. AFTER 28 DAYS (OR MANUFACTURER REQUIREMENTS) APPLY THE WATERPROOF MEMBRANE TO THE TOP SURFACE OF THE RAMP SLABS.

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

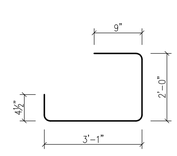
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S040
SHEET NO. 20 OF 87

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NOTES

SCALE AS NOTED
DATE 7-23-2020
DPW FILE NO. 52-01-S-367-0
REV. NO.

#4 BENT REINFORCING BARS



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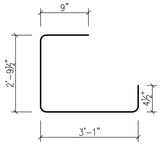

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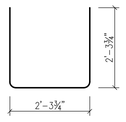

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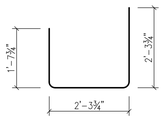

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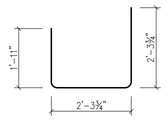

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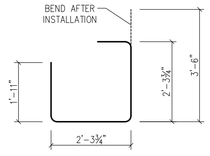

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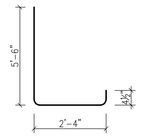

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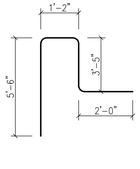

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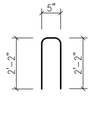

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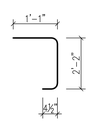

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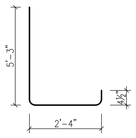

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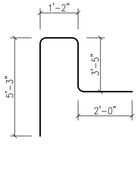

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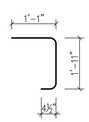

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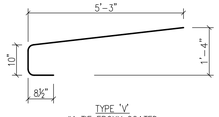

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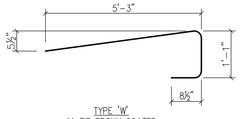

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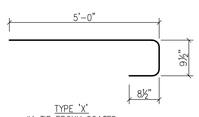

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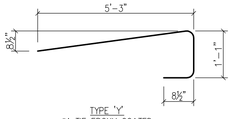

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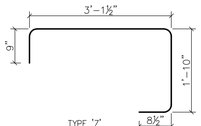

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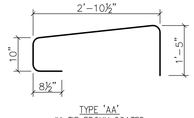

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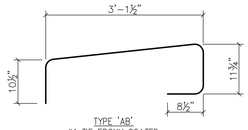

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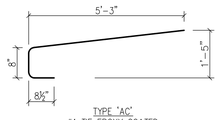

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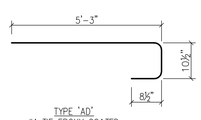

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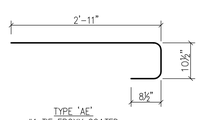

TYPE 'AE'
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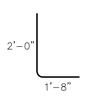
#5 BENT REINFORCING BARS



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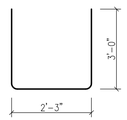

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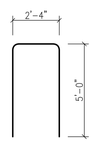
#7 BENT REINFORCING BARS



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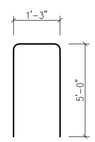

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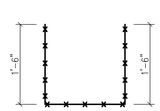
BENT MESH



BENT MESH
WWR 4 X 4 – W4.0 X W4.0

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

NOTE:

FIELD DETERMINATION AND MODIFICATION FOR SHAPE AND SIZE OF BARS IS ALLOWED. SUBJECT TO ENGINEERS APPROVAL.

MINIMUM LAP LENGTHS	
BAR SIZE \ f'c =	5000 psi
#3	1'-7" (19")
#4	2'-1" (25")
#5	2'-8" (32")
#6	3'-2" (38")
#7	4'-8" (56")
#8	5'-4" (64")
#9	6'-0" (72")
#10	6'-9" (81")
#11	7'-6" (90")

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HOPEWELL JUNCTION, NY 12533
914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S060
SHEET NO. 21 OF 87

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
BENT REINFORCING BAR DETAILS

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-368-0
REV. NO.

PHASE 1 NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE S300 SHEET FOR COLUMN ENCASEMENT REPAIR DETAIL.
3. SEE S350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.
4. N.I.S. = NOT IN SCOPE

KEY:

= COLUMNS FOR REPAIR

= PRIORITY COLUMNS FOR REPAIR

= PRIORITY COLUMNS COMPLETED

SECOND SUB-BASEMENT FLOOR PLAN (B3)

LEVEL B3

1/32" = 1'-0" 0 5 10 20 40 60 FEET

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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White Plains, New York 10604
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MOUNT PROSPECT, ILLINOIS 60056
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07/27/20

MEP ENGINEERS
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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

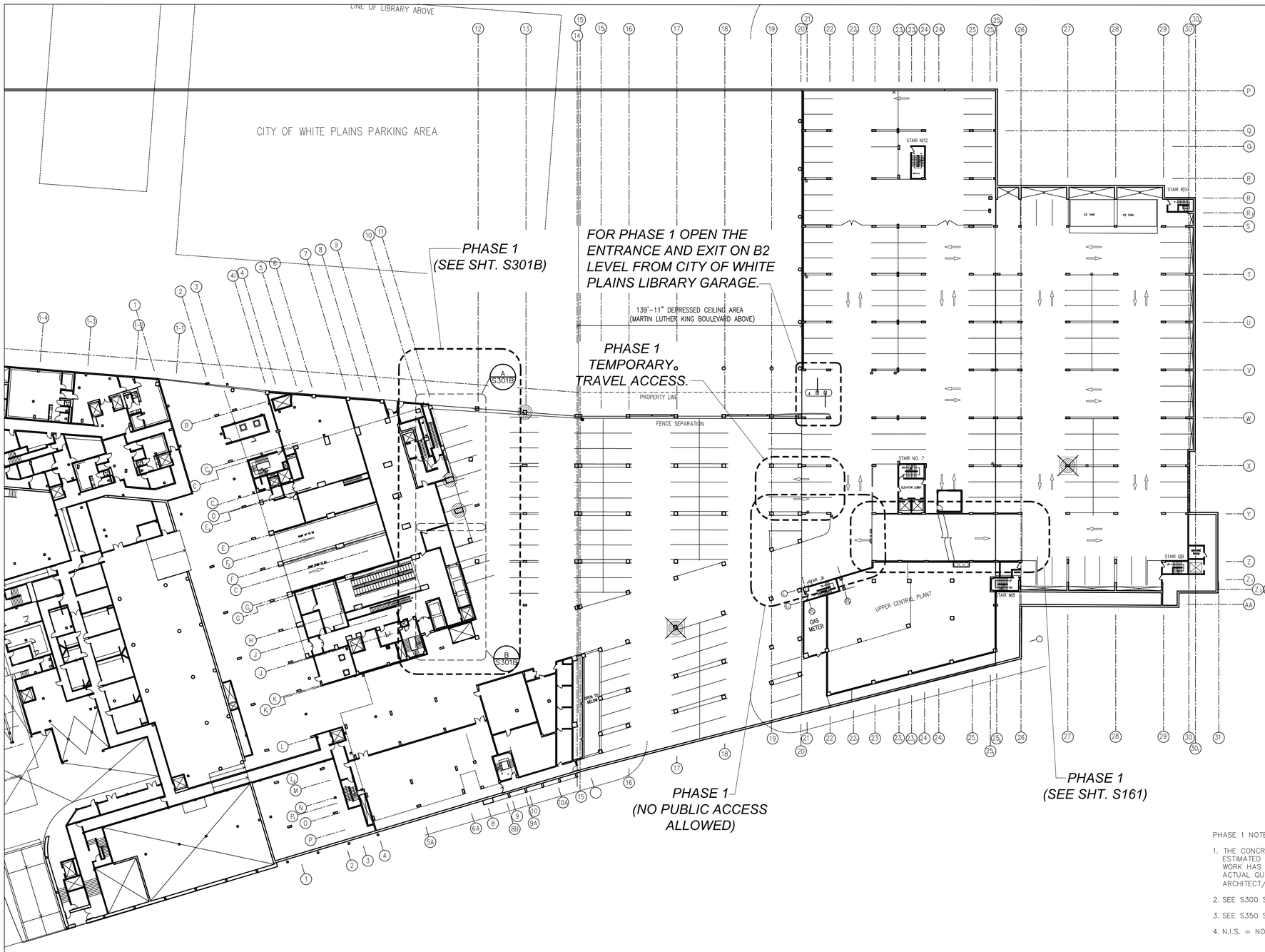
CONTRACTOR
NAME
SIGNATURE
TITLE
DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

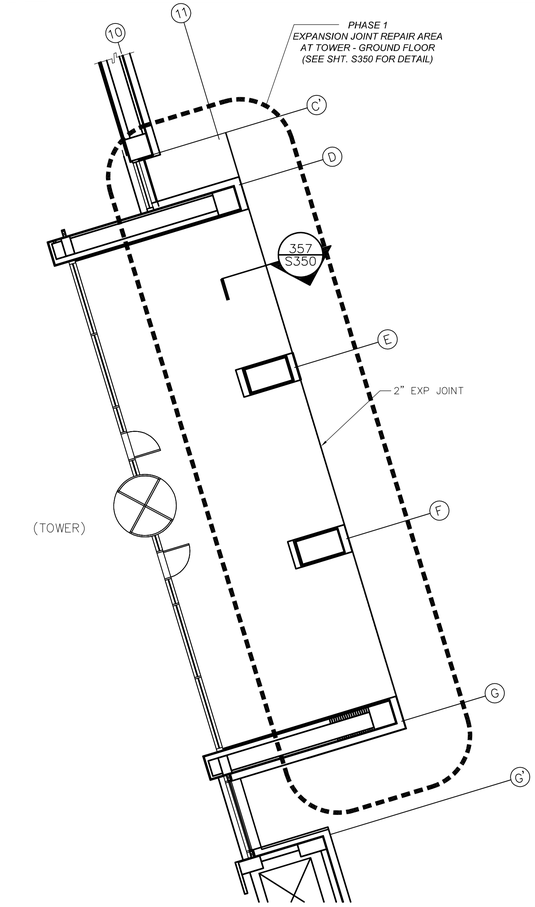
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL B-3 COLUMN REPAIRS & SHORING

CONTRACT NUMBER 19-515
SHEET NUMBER S100
SHEET NO. 22 OF 87
SCALE AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-369-0
REV. NO.



EXPANSION JOINT REPAIR AREA GROUND FLOOR – PHASE 1		
LOCATION	LINEAR FEET (LF)	DETAIL
TOWER	71 LF	357/S350



EXPANSION JOINT REPAIR AREA AT TOWER – GROUND FLOOR

A SCALE 1/8" = 1'-0"

PHASE 1 NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE S300 SHEET FOR COLUMN ENCASEMENT REPAIR DETAIL.
3. SEE S350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.
4. N.I.S. = NOT IN SCOPE

KEY:

= COLUMNS FOR REPAIR

= PRIORITY COLUMNS FOR REPAIR

= PRIORITY COLUMNS COMPLETED

LEVEL B2

1/32" = 1'-0" 0 5 10 20 40 60 FEET

FIRST SUB-BASEMENT FLOOR PLAN (B2)

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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44-46 FOSTER ROAD
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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

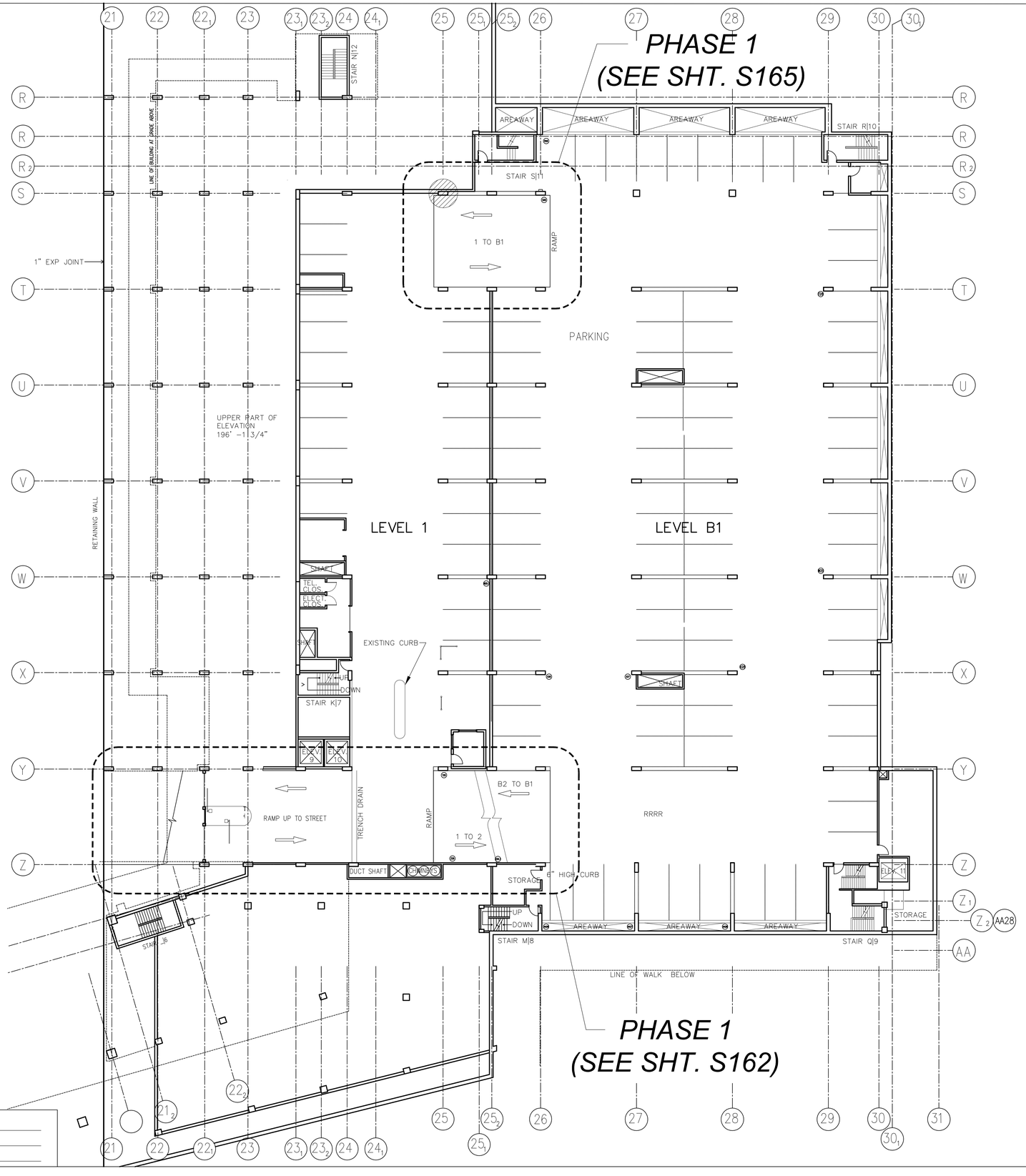
CONTRACTOR — NAME / SIGNATURE / TITLE / DATE

PROJECT COORDINATOR — NAME / SIGNATURE / TITLE / DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL B-2 (B) COLUMN REPAIRS & SHORING

CONTRACT NUMBER 19-515 | SHEET NUMBER S102
SHEET NO. 23 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-370-0
REV. NO.



IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

PHASE 1 NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE S300 SHEET FOR COLUMN ENCASEMENT REPAIR DETAIL.
3. SEE S350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.
4. N.I.S. = NOT IN SCOPE

KEY:
= COLUMN REPAIR

LEVEL B1+1

1/16" = 1'-0" 0 5 10 20 40 60 FEET

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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

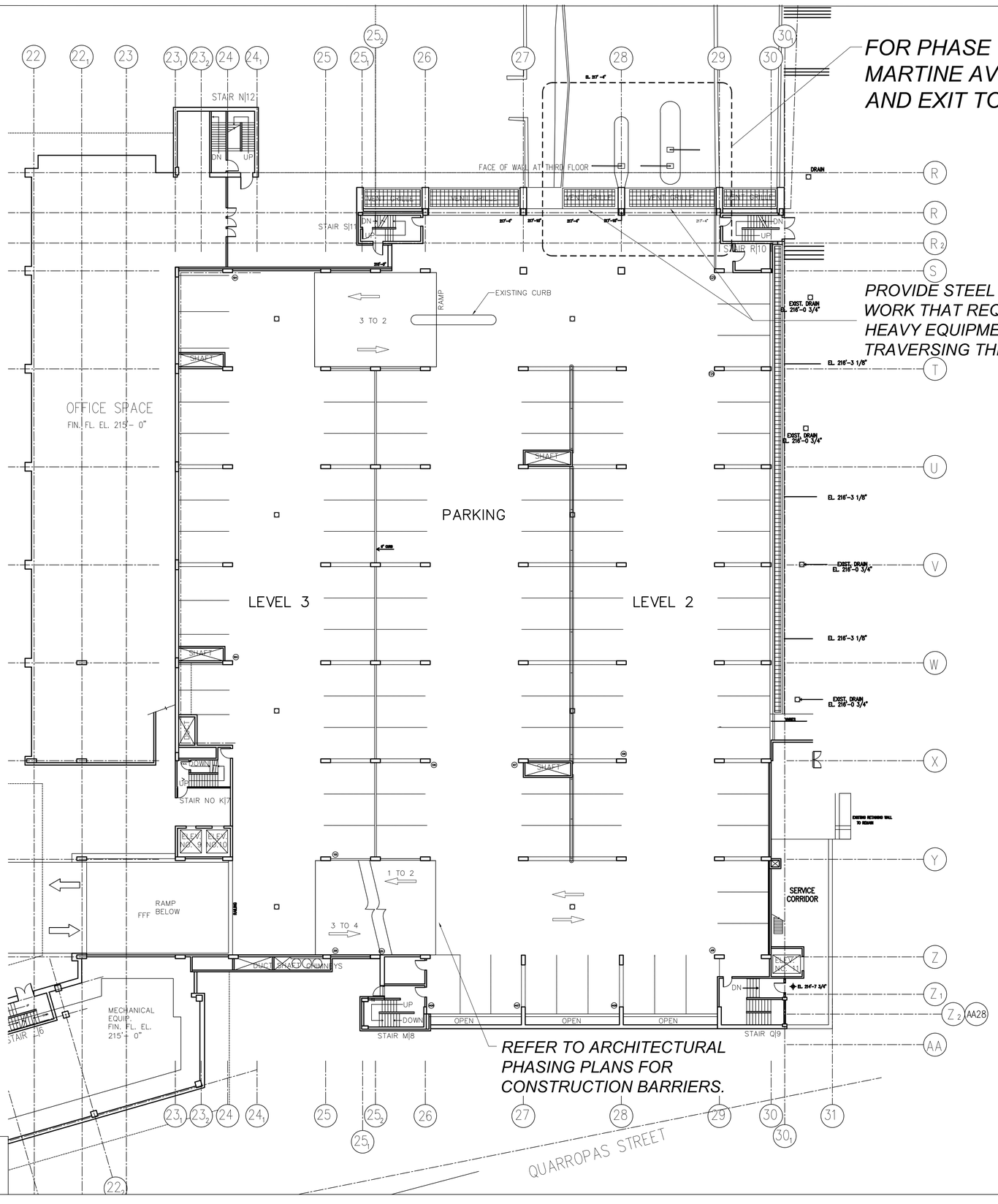
CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL B-1 + 1 COLUMN REPAIRS & SHORING

CONTRACT NUMBER 19-515
SHEET NUMBER S103
SHEET NO. 24 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-371-0
REV. NO.



FOR PHASE 1 OPEN THE MARTINE AVENUE ENTRANCE AND EXIT TO LEVEL 2.

PROVIDE STEEL PLATES FOR WORK THAT REQUIRES HEAVY EQUIPMENT TRAVERSING THE GRATING.

REFER TO ARCHITECTURAL PHASING PLANS FOR CONSTRUCTION BARRIERS.

PHASE 1 NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE S300 SHEET FOR COLUMN ENCASEMENT REPAIR DETAIL.
3. SEE S350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.
4. N.I.S. = NOT IN SCOPE

KEY:

▨ = COLUMN REPAIR

LEVEL 2+3

1/16" = 1'-0" 0 5 10 20 40 60 FEET

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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07/27/20

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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/31/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

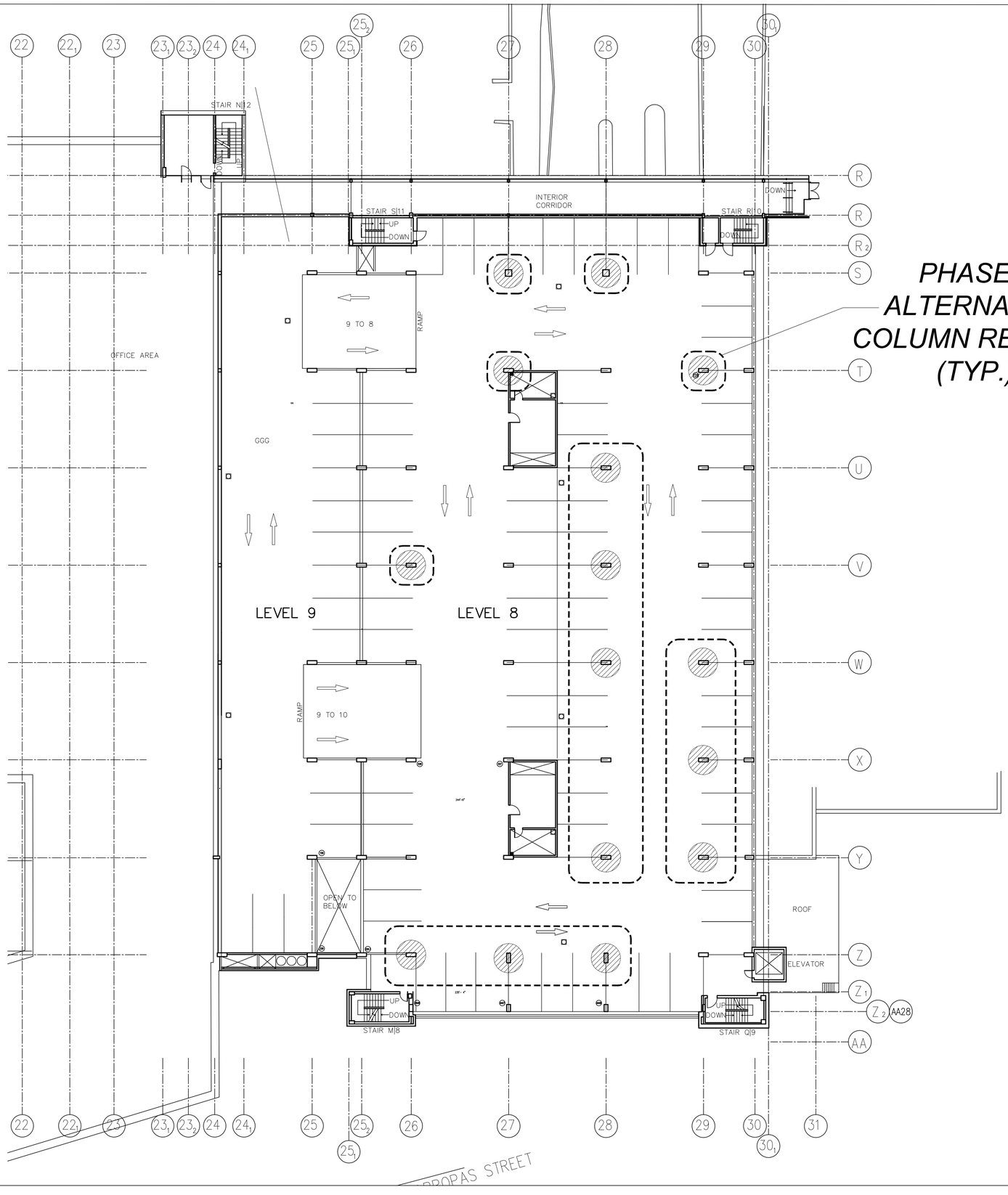
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S104
SHEET NO. 25 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-372-0

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL 2+3 COLUMN REPAIRS & SHORING

PHASE 1 ALTERNATE 2



PHASE 1 ALTERNATE 2 COLUMN REPAIRS (TYP.)

PHASE 1 NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE S300 SHEET FOR COLUMN ENCASEMENT REPAIR DETAIL.
3. SEE S350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.
4. N.I.S. = NOT IN SCOPE

KEY:

= COLUMN REPAIR

LEVEL 8

1/16" = 1'-0" 0 5 10 20 40 60 FEET

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

ARCHITECTS
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07/27/20

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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR — NAME / SIGNATURE / TITLE / DATE

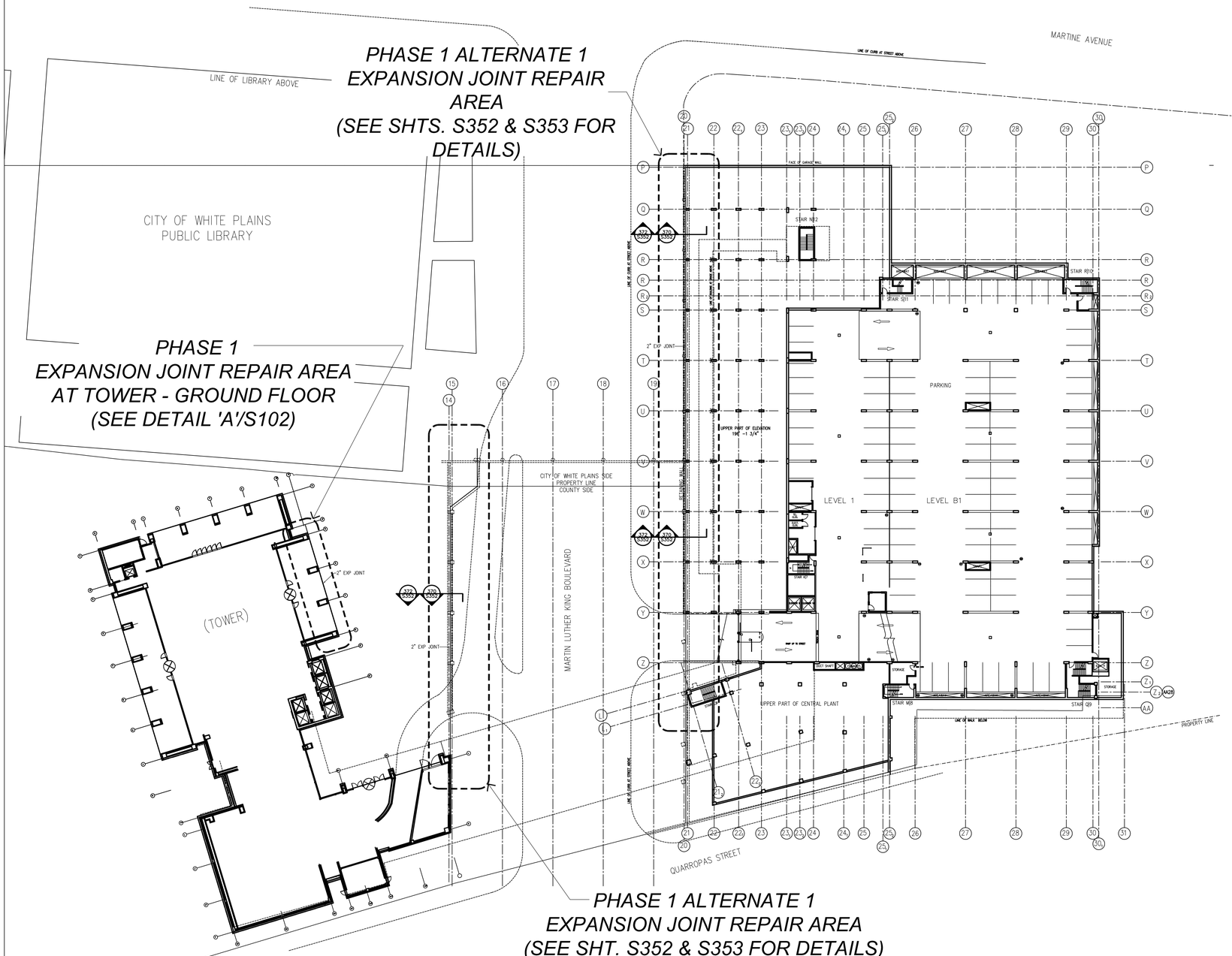
PROJECT COORDINATOR — NAME / SIGNATURE / TITLE / DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL 8 COLUMN REPAIRS & SHORING – ALTERNATE 2

CONTRACT NUMBER: 19–515
SHEET NUMBER: S107
SHEET NO. 28 OF 87
SCALE: AS NOTED
DATE: 7–23–2020
DPW FILE NO.: 52–01–S–373–0
REV. NO.: 1

PHASE 1 ALTERNATE 1



EXPANSION JOINT REPAIR AREA GROUND FLOOR – PHASE 1		
LOCATION	LINEAR FEET (LF)	DETAIL
EAST SIDE	314 LF	370 & 372/S352
WEST SIDE	192 LF	370 & 372/S352

NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED, CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. CARE MUST BE TAKEN WHEN REMOVING DELAMINATIONS IN CONCRETE ELEMENTS DUE TO CONDUIT.
3. SEE SHEETS S352 & S353 FOR EXPANSION JOINT REPAIR DETAILS.

EXPANSION JOINT REPAIR AREA GROUND FLOOR (SIDEWALK AREA)

1/32" = 1'-0" 0 5 10 20 40 60 FEET

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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07/27/20

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HOPEWELL JUNCTION, NY 12533
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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

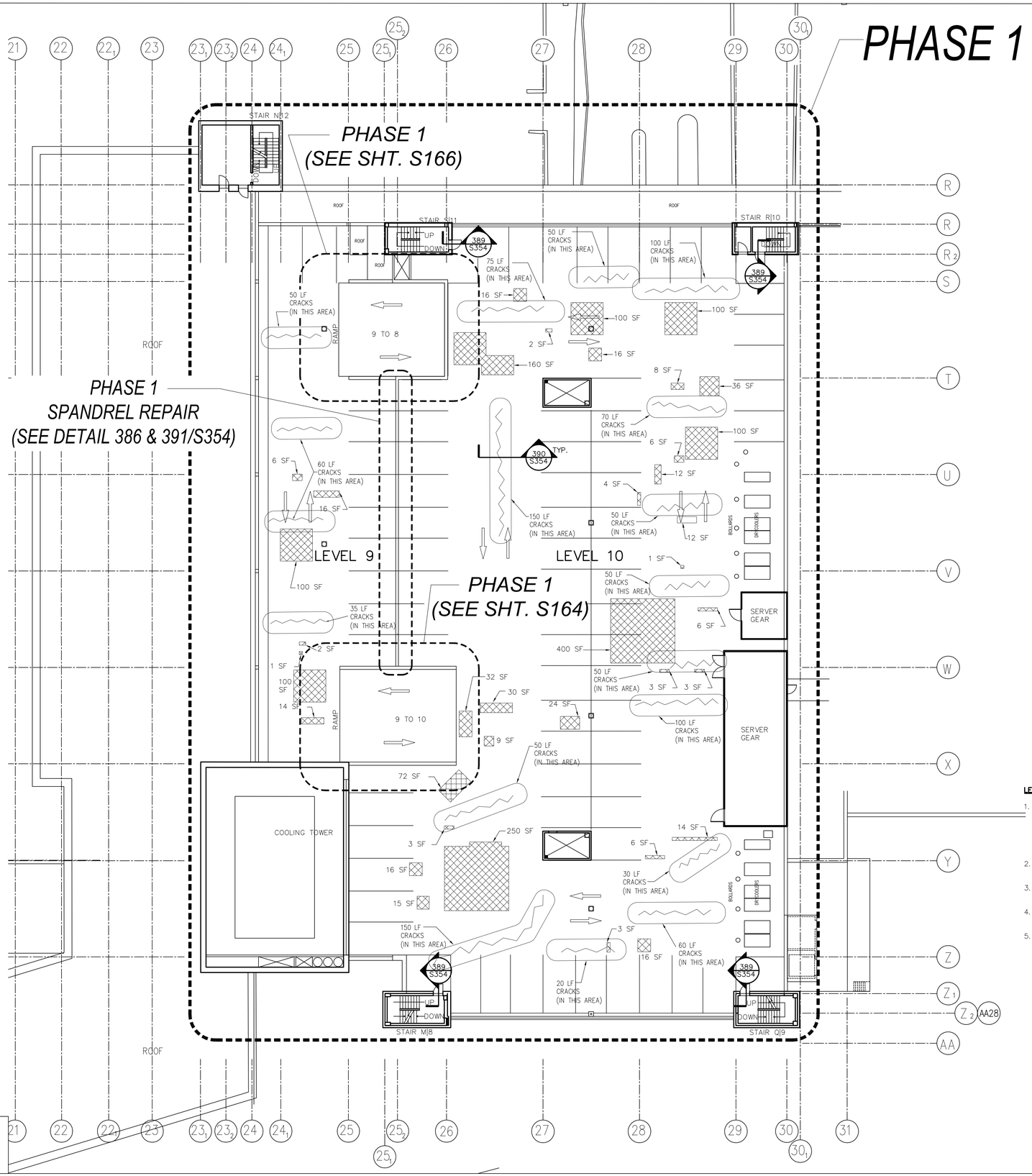
☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR — NAME, SIGNATURE, TITLE, DATE
PROJECT COORDINATOR — NAME, SIGNATURE, TITLE, DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
EXPANSION JOINT REPAIR AREA GROUND FLOOR – ALTERNATE 1

CONTRACT NUMBER 19–515 | SHEET NUMBER S122
SHEET NO. 27 OF 97
SCALE: AS NOTED
DATE: 7–23–2020
DPW FILE NO. 52–01–S–374–0
REV. 0



TOTAL FLOOR AREA REPAIR – PHASE 1				
KEY	LEVEL	QTY.	DESCRIPTION	DETAILS
	LEVEL 9	84 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	350/S350 351/S350 352/S350 353/S350
		167 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
		28 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
		279 LF	TOTAL SQUARE FEET – LEVEL 9	
	LEVEL 10	443 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	
		885 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
		28 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
		147 LF	TOTAL SQUARE FEET – LEVEL 10	
	TOTAL	1,754 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EPOXY INJECT OR GROUT AND SEAL – PHASE 1				
KEY	LEVEL	QTY.	DESCRIPTION	DETAILS
	LEVEL 9	41 LF	EPOXY INJECT IN LINEAR FEET (LF)	390/S354
		164 LF	GROUT AND SEAL IN LINEAR FEET (LF)	
		205 LF	TOTAL LINEAR FEET – LEVEL 9	
	LEVEL 10	201 LF	EPOXY INJECT IN LINEAR FEET (LF)	
		804 LF	GROUT AND SEAL IN LINEAR FEET (LF)	
		1,005 LF	TOTAL LINEAR FEET – LEVEL 10	
	TOTAL	1,210 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	

TOTAL SPANDREL AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	20 SF	TOTAL SPANDREL AREA FOR REPAIR IN SQUARE FEET (SF)	386/S354
	8 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR VERTICAL REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	391/S354

LEVELS 9 & 10 (REPAIR) NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED, CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE SHEET S040 FOR GENERAL AND RAMP REPAIR NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.
5. CARE MUST BE TAKEN WHEN REMOVING DELAMINATIONS IN CONCRETE ELEMENTS DUE TO COUNDUIT.

LEVEL 9+10

1/16" = 1'-0" 0 5 10 20 40 60 FEET

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

ARCHITECTS
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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

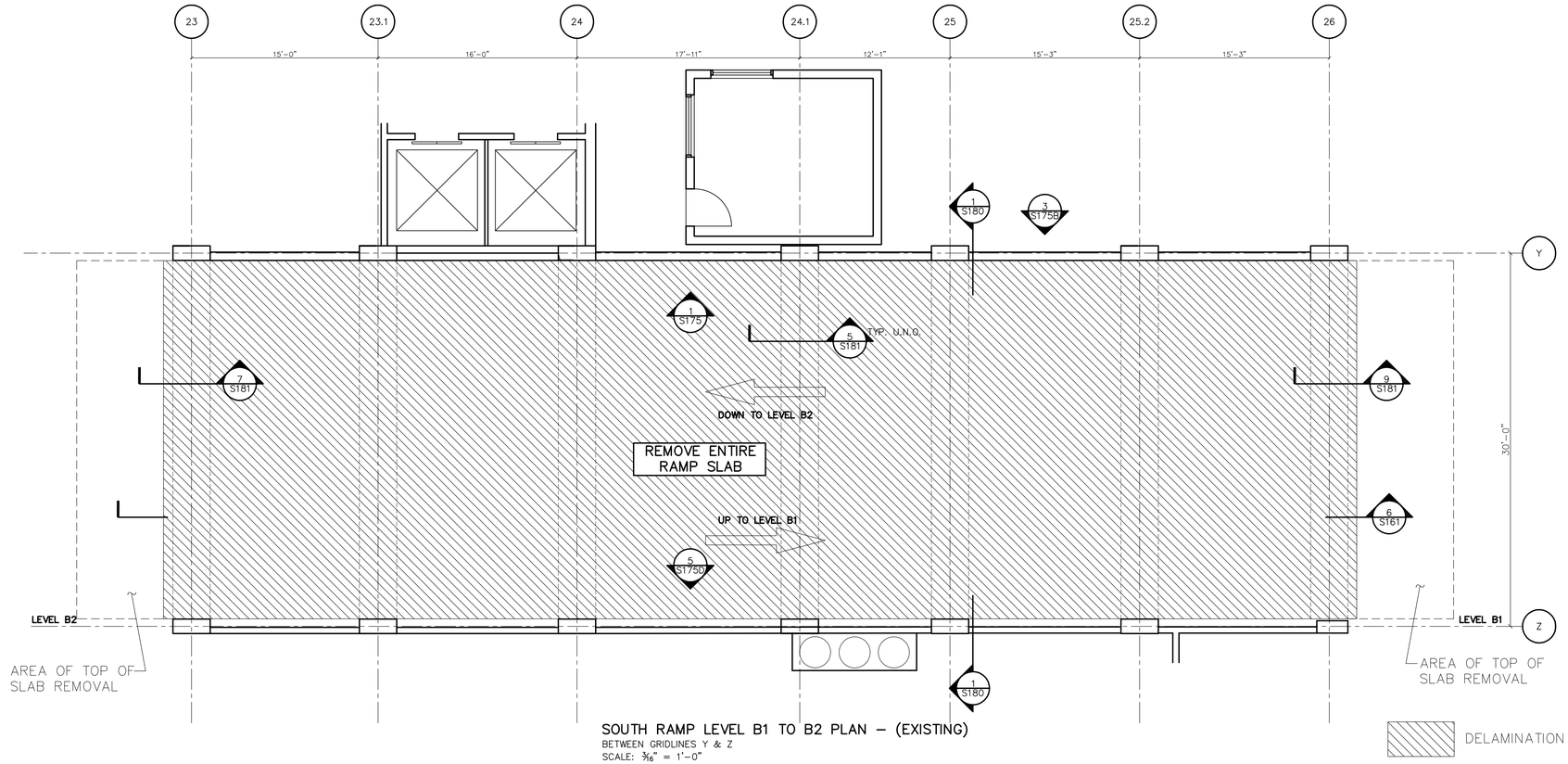
CONTRACTOR — NAME, SIGNATURE, TITLE, DATE
PROJECT COORDINATOR — NAME, SIGNATURE, TITLE, DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

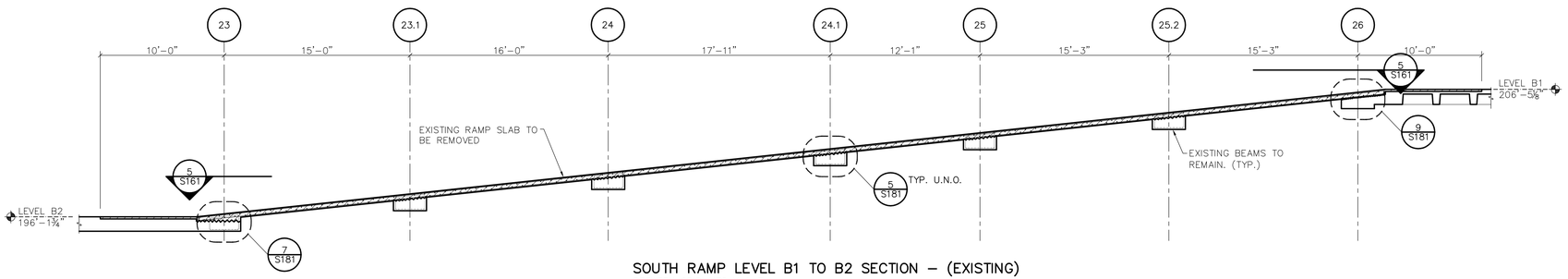
CONTRACT NUMBER 19-515 | SHEET NUMBER S128
SHEET NO. 28 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MICHELIN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL 9 & 10 FLOOR DELAMINATION

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-375-0
REV. NO.



SOUTH RAMP LEVEL B1 TO B2 PLAN – (EXISTING)
BETWEEN GRIDLINES Y & Z
SCALE: 3/16" = 1'-0"



SOUTH RAMP LEVEL B1 TO B2 SECTION – (EXISTING)
BETWEEN GRIDLINES Y & Z
SCALE: 3/16" = 1'-0"

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

5

6

RAMP (EXISTING) NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE S175 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

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07/27/20

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MARK VELZY
CBK ENGINEERING, PC
44-46 FOSTER ROAD
HOPEWELL JUNCTION, NY 12533
914-509-8161 IO)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
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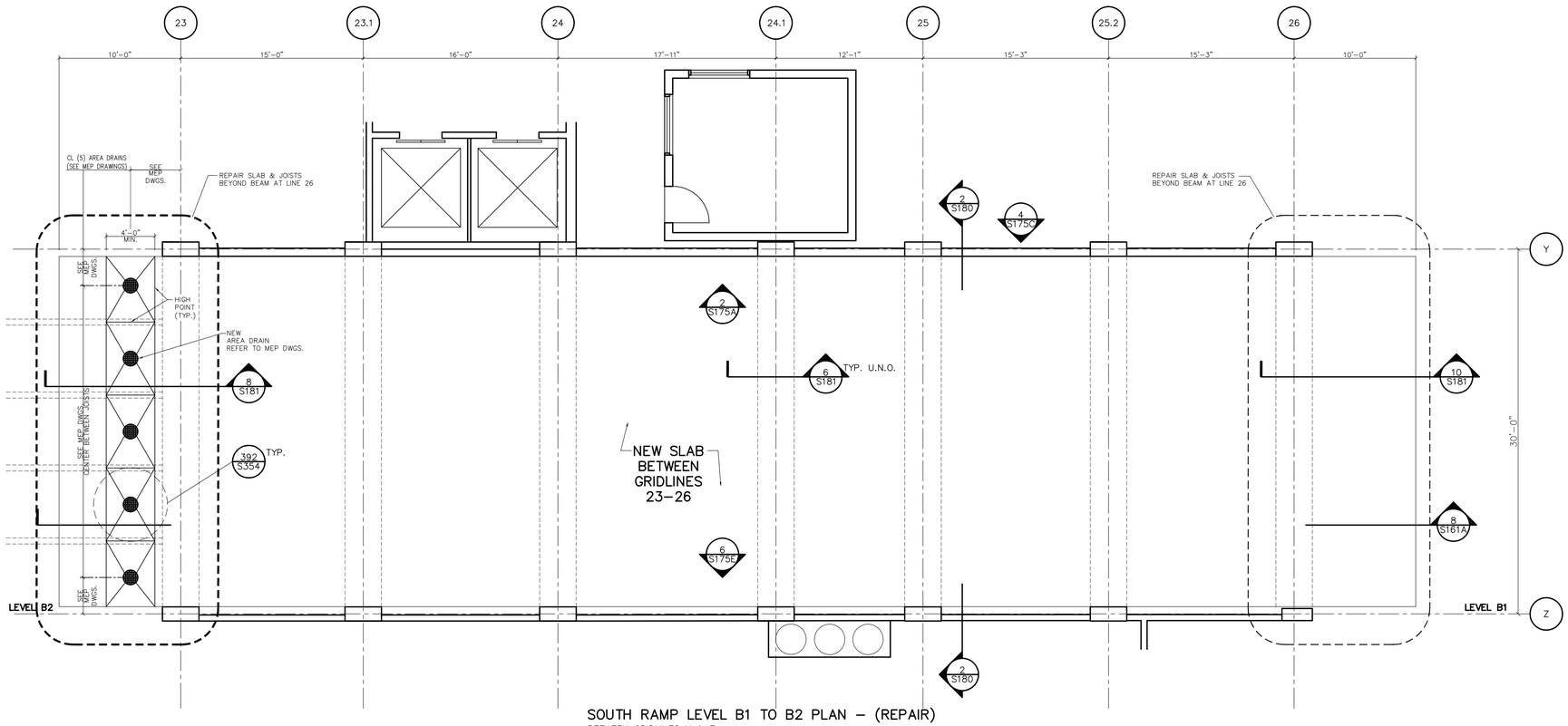
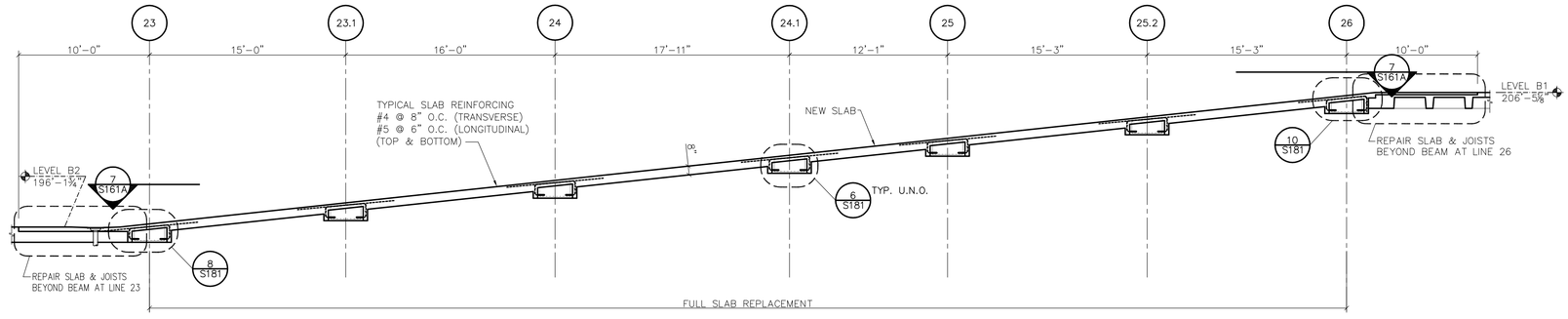
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S161
SHEET NO. 29 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-376-0
REV. NO. 1

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP EXISTING PLAN & SECTION (Y-Z)



SOUTH RAMP LEVEL B1 TO B2 PLAN – (REPAIR)
BETWEEN GRIDLINES Y & Z
SCALE: 3/16" = 1'-0"



SOUTH RAMP LEVEL B1 TO B2 SECTION – (REPAIR)
BETWEEN GRIDLINES Y & Z
SCALE: 3/16" = 1'-0"

NEW SLAB AREA FOR RAMP B1 TO B2 – PHASE 1	
QTY.	DESCRIPTION
3,345 SF	NEW SLAB AREA IN SQUARE FEET (SF)
72 CY	NEW SLAB IN CUBIC YARDS (CY)

RAMP (REPAIR) NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE SHEET S040 FOR GENERAL AND RAMP REPAIR NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. SEE S175 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.
5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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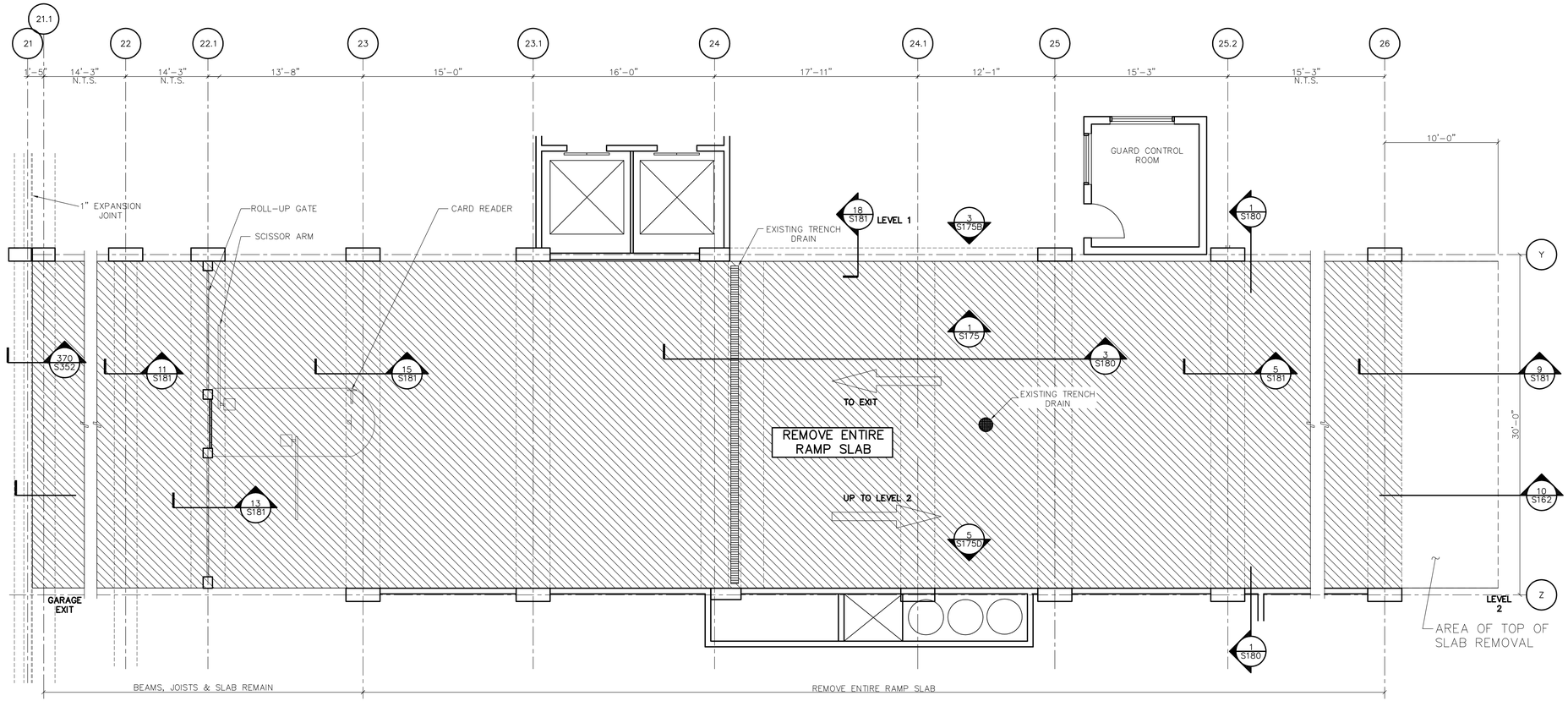
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER: 19-515
SHEET NUMBER: S161A
SHEET NO. 39 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-377-0
REV. NO.

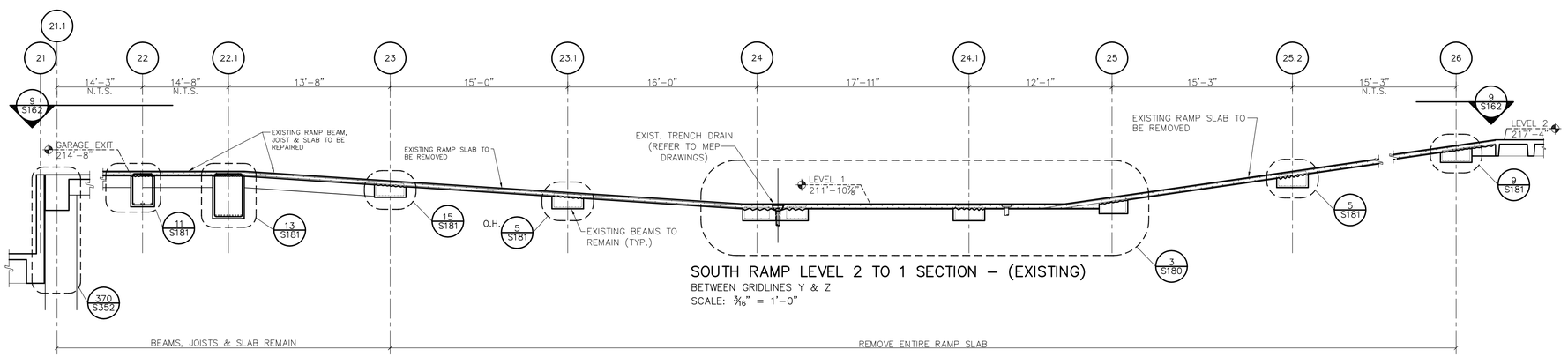
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP REPAIRED PLAN & SECTION (Y-Z)



SOUTH RAMP LEVEL 2 TO 1 PLAN – (EXISTING)

BETWEEN GRIDLINES Y & Z
SCALE: 3/16" = 1'-0"

DELAMINATION



SOUTH RAMP LEVEL 2 TO 1 SECTION – (EXISTING)

BETWEEN GRIDLINES Y & Z
SCALE: 3/16" = 1'-0"

RAMP (EXISTING) NOTES:

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2. SEE S175 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

9

10

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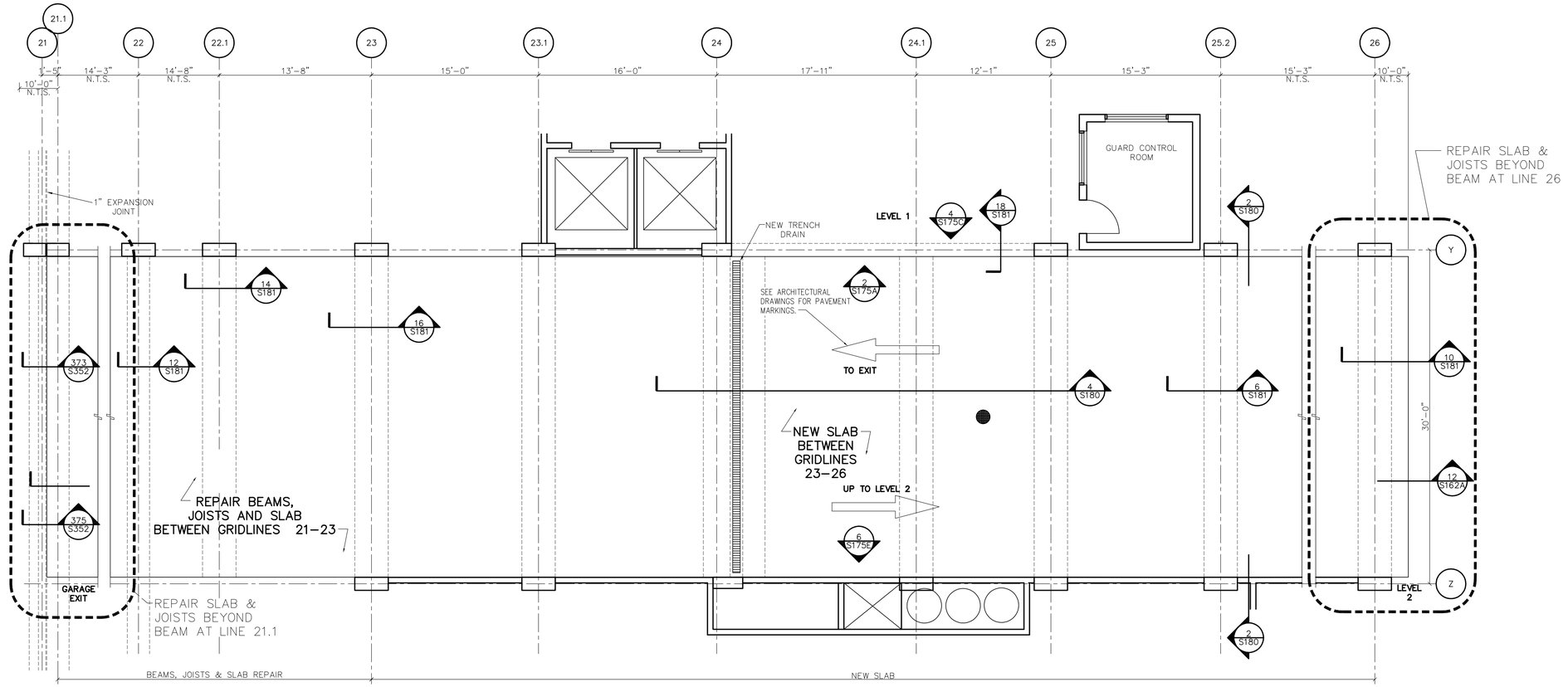
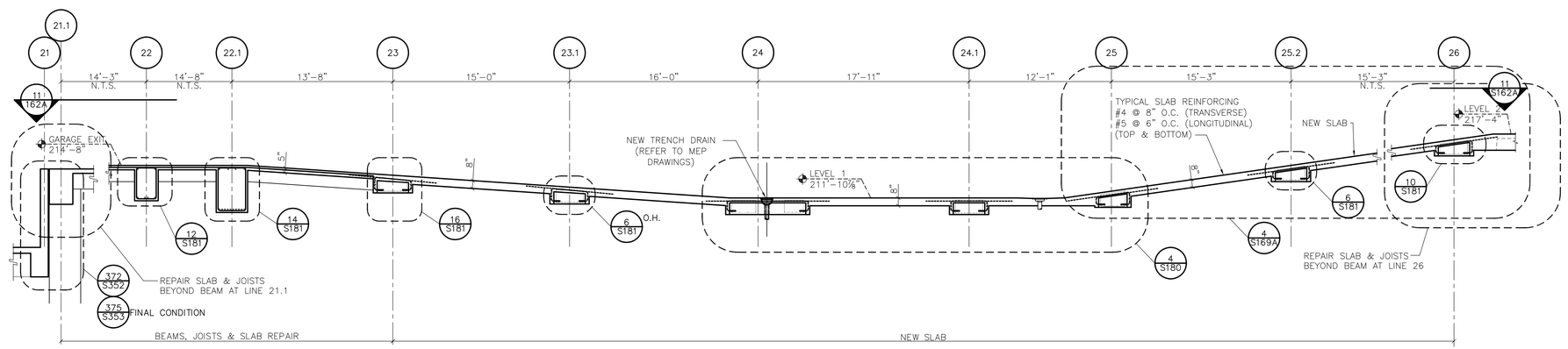
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP EXISTING PLAN & SECTION (Y–Z)

CONTRACT NUMBER 19-515
SHEET NUMBER S162
SHEET NO. 31 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-378-0
REV. NO.





SOUTH RAMP LEVEL 2 TO 1 SECTION – (REPAIR)

BETWEEN GRIDLINES Y & Z

SCALE: 3/16" = 1'-0"

NEW SLAB AREA FOR RAMP LEVEL 1 TO LEVEL 2 – PHASE 1	
QTY.	DESCRIPTION
3,070 SF	NEW SLAB AREA IN SQUARE FEET (SF)
70 CY	NEW SLAB IN CUBIC YARDS (CY)

SLAB REPAIR AREA FOR RAMP GRID 23 TO EXIT – PHASE 1	
QTY.	DESCRIPTION
540 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)
1,080 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)
180 SF	FULL REPAIR AREA IN SQUARE FEET (SF)
1,800 SF	TOTAL SLAB REPAIR AREA IN SQUARE FEET (SF)
12 CY	TOTAL SLAB REPAIR IN CUBIC YARD (CY)

RAMP (REPAIR) NOTES:

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5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

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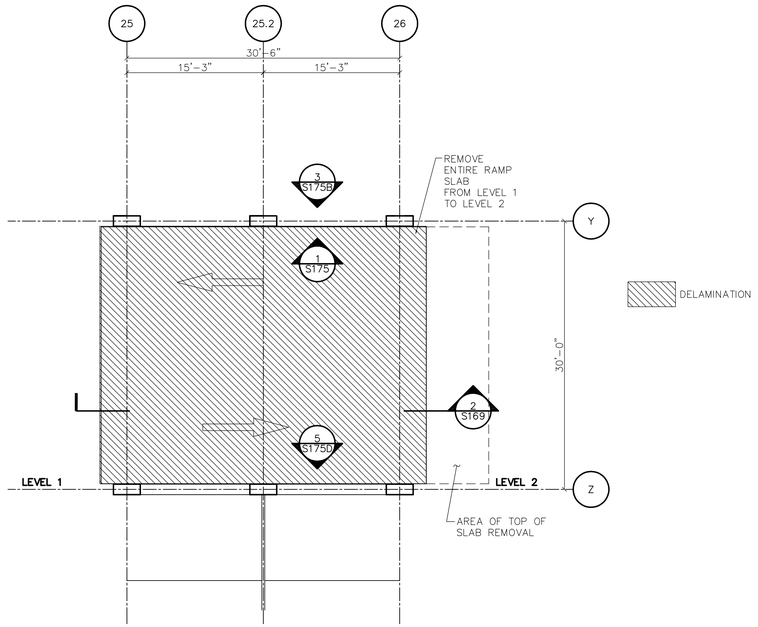
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP REPAIRED PLAN & SECTION (Y-Z)

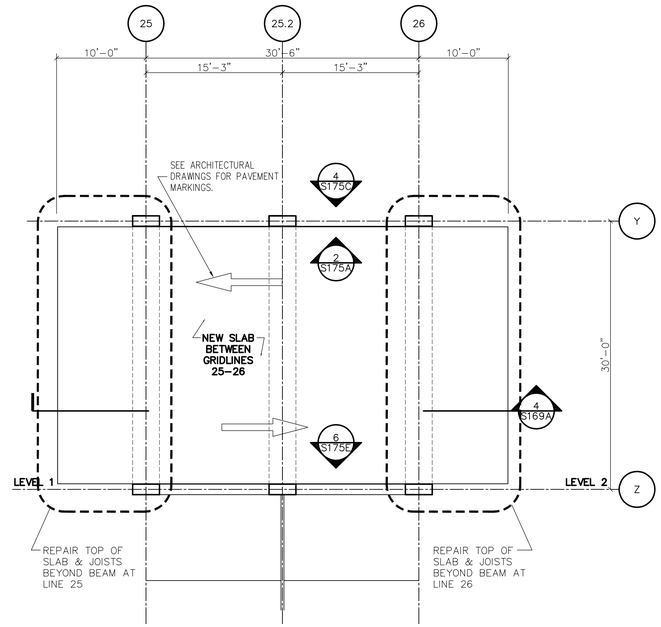
CONTRACT NUMBER: 19-515
SHEET NUMBER: S162A
SHEET NO. 38 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-379-0
REV. NO.

IN CHARGE OF: JEFFREY CARLSON
CHECKED BY: WOJCIECH TROCKI
MADE BY: DAN STEVENS



SOUTH RAMP LEVEL 1 TO 2 PLAN (TOP) (EXISTING)

SCALE: ⅛" = 1'-0"



SOUTH RAMP LEVEL 1 TO 2 PLAN (TOP) (REPAIR)

SCALE: ⅛" = 1'-0"

RAMP (EXISTING) NOTES:

1. SEE S175 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

RAMP (REPAIR) NOTES:

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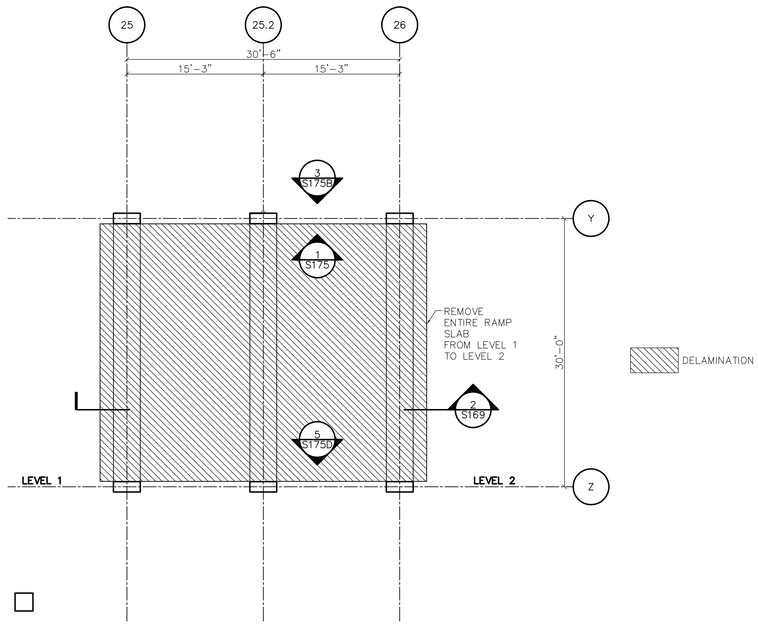
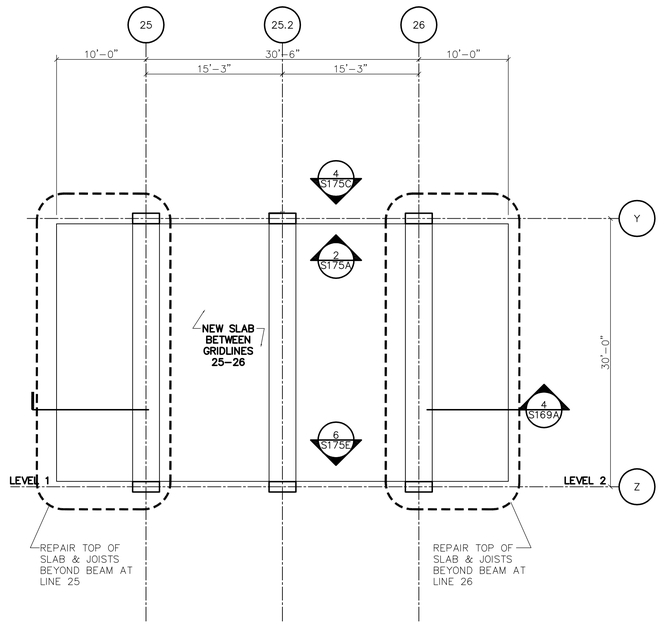
NOTE:
NEW SLAB AREA FOR RAMP LEVEL 1 TO LEVEL 2 – PHASE 1 SEE S162A.



SOUTH RAMP LEVEL 1 TO 2 PLAN (UNDERSIDE) (EXISTING)

SCALE: ⅛" = 1'-0"



SOUTH RAMP LEVEL 1 TO 2 PLAN (UNDERSIDE) (REPAIR)

SCALE: ⅛" = 1'-0"

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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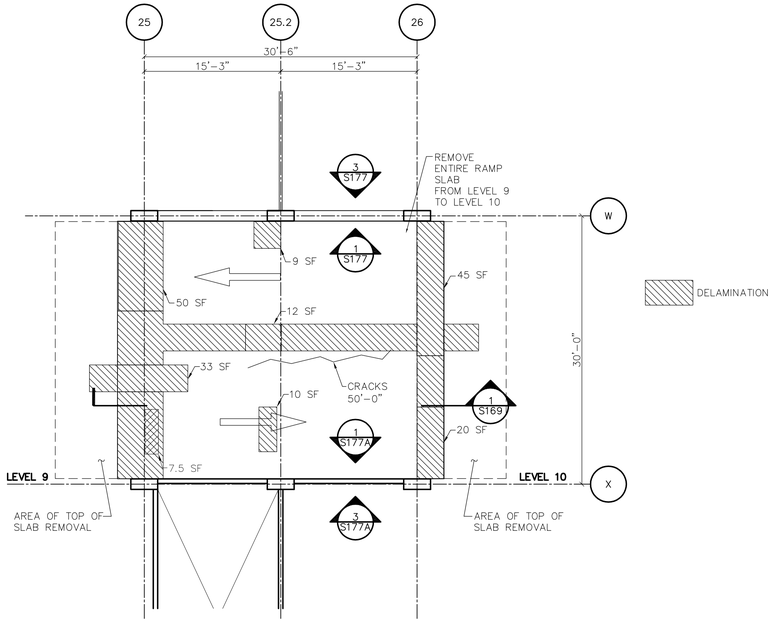
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

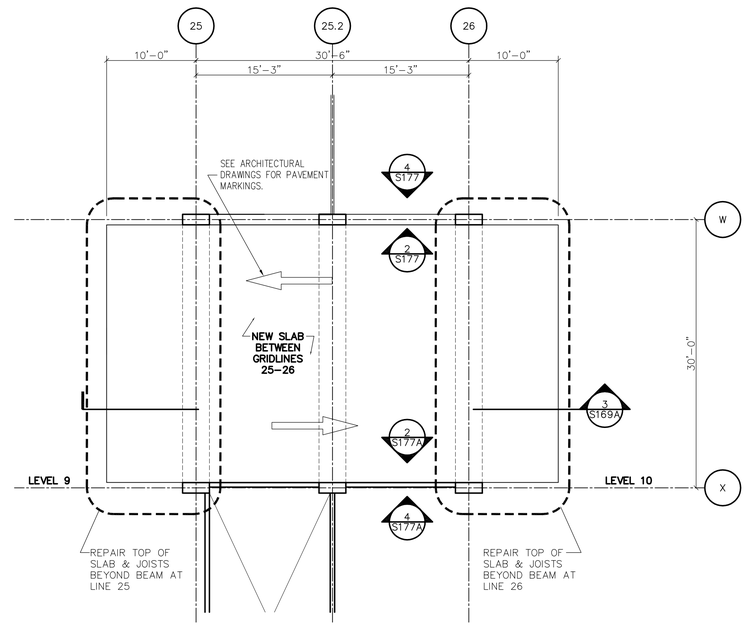
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP PLANS (Y-Z)

CONTRACT NUMBER 19-515
SHEET NUMBER S163
SHEET NO. 33 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-380-0
REV. NO.



SOUTH RAMP LEVEL 9 TO 10 PLAN (TOP) (EXISTING)

SCALE: ⅛" = 1'-0"



SOUTH RAMP LEVEL 9 TO 10 PLAN (TOP) (REPAIR)

SCALE: ⅛" = 1'-0"

NEW SLAB AREA FOR RAMP LEVEL 9 TO LEVEL 10 – PHASE 1	
QTY.	DESCRIPTION
455 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)
909 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)
151 SF	FULL REPAIR AREA IN SQUARE FEET (SF)
1,515 SF	TOTAL SLAB REPAIR AREA IN SQUARE FEET (SF)
23 CY	TOTAL SLAB REPAIR IN CUBIC YARD (CY)

RAMP (EXISTING) NOTES:

1. SEE S177 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

RAMP (REPAIR) NOTES:

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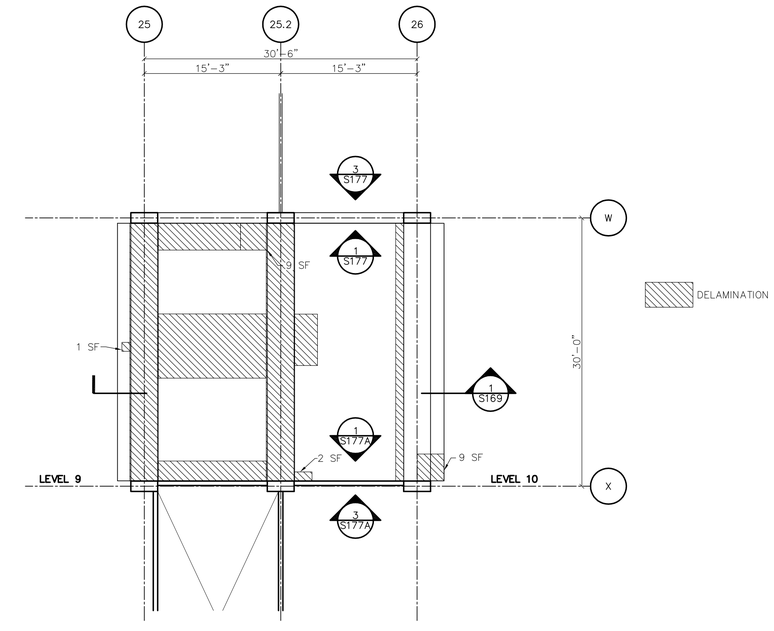
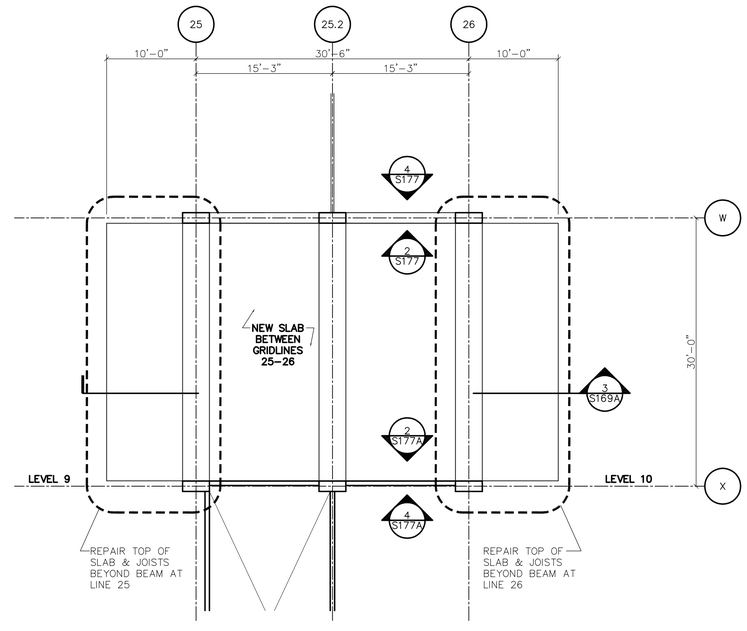


SOUTH RAMP LEVEL 9 TO 10 PLAN (UNDERSIDE) (EXISTING)

SCALE: ⅛" = 1'-0"



SOUTH RAMP LEVEL 9 TO 10 PLAN (UNDERSIDE) (REPAIR)

SCALE: ⅛" = 1'-0"

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MADE BY DAN STEVENS

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PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP PLANS (W–X)

CONTRACT NUMBER 19-515
SHEET NUMBER S164
SHEET NO. 34 OF 97
SCALE: AS NOTED
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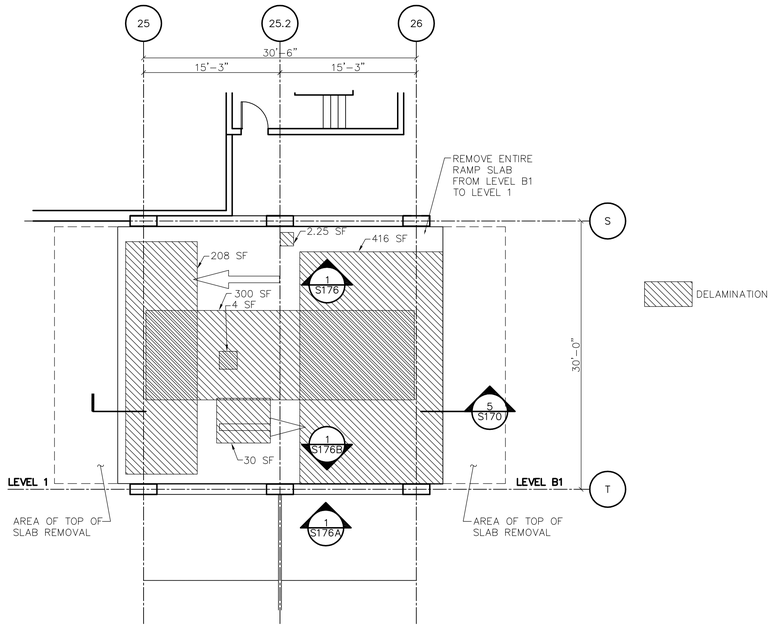
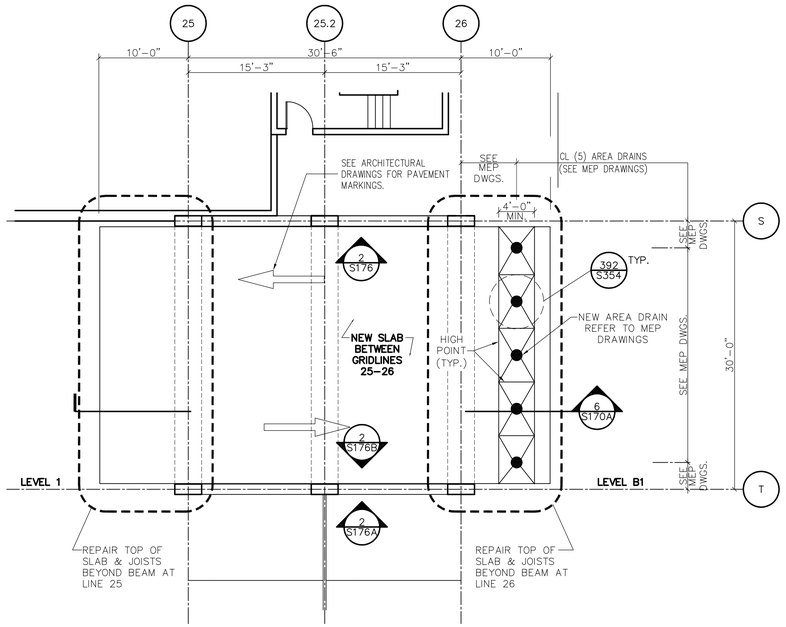
REV. NO.



NORTH RAMP LEVEL B1 TO 1 PLAN (TOP) (EXISTING)
SCALE: ⅛" = 1'-0"



NORTH RAMP LEVEL B1 TO 1 PLAN (TOP) (REPAIR)
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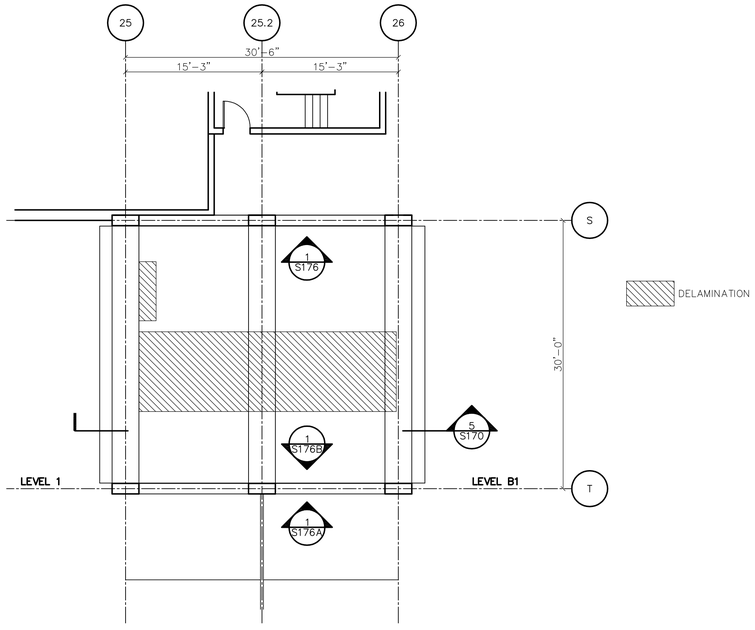
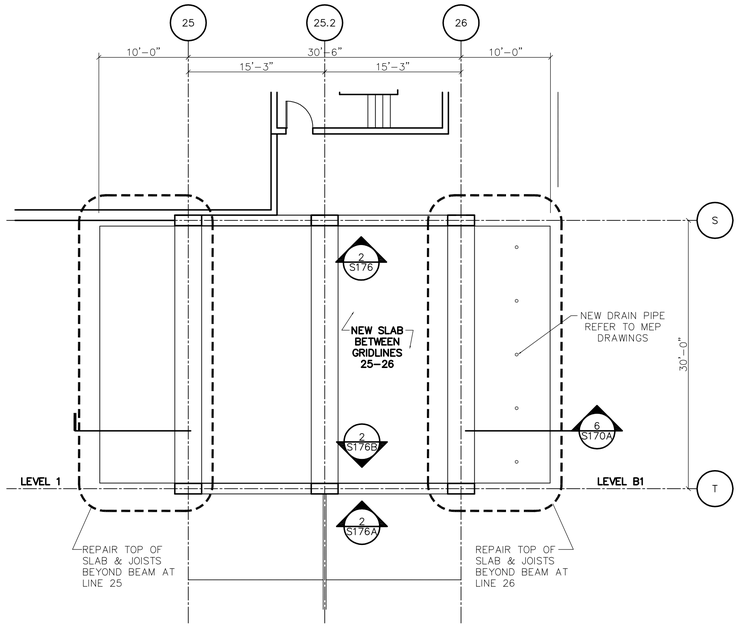


NORTH RAMP LEVEL B1 TO 1 PLAN (UNDERSIDE) (EXISTING)
SCALE: ⅛" = 1'-0"



NORTH RAMP LEVEL B1 TO 1 PLAN (UNDERSIDE) (REPAIR)
SCALE: ⅛" = 1'-0"

NEW SLAB AREA FOR RAMP LEVEL B1 TO LEVEL 1 – PHASE 1	
QTY.	DESCRIPTION
455 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)
909 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)
151 SF	FULL REPAIR AREA IN SQUARE FEET (SF)
1,515 SF	TOTAL SLAB REPAIR AREA IN SQUARE FEET (SF)
23 CY	TOTAL SLAB REPAIR IN CUBIC YARD (CY)

RAMP (EXISTING) NOTES:

1. SEE S176 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

RAMP (REPAIR) NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE SHEET S040 FOR GENERAL AND RAMP REPAIR NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. SEE S176 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.
5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

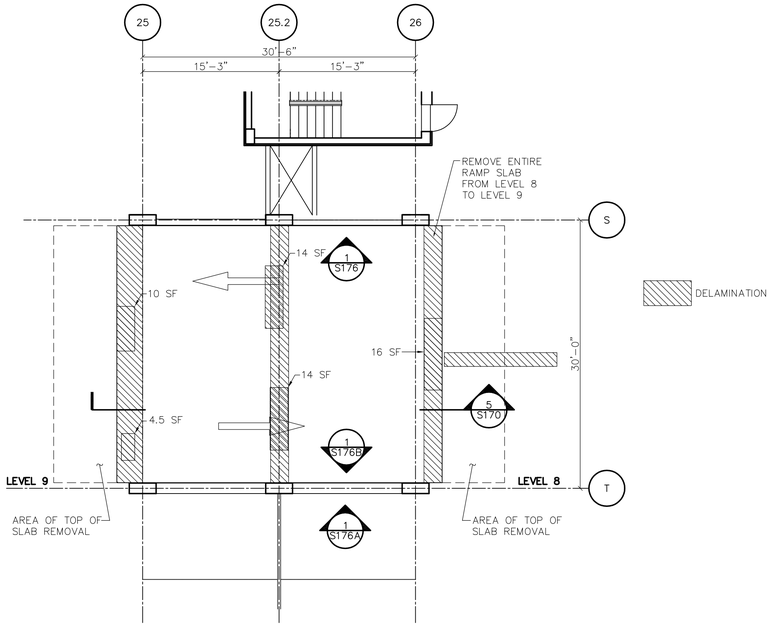
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S165
SHEET NO. 35 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH RAMP PLANS (S-T)

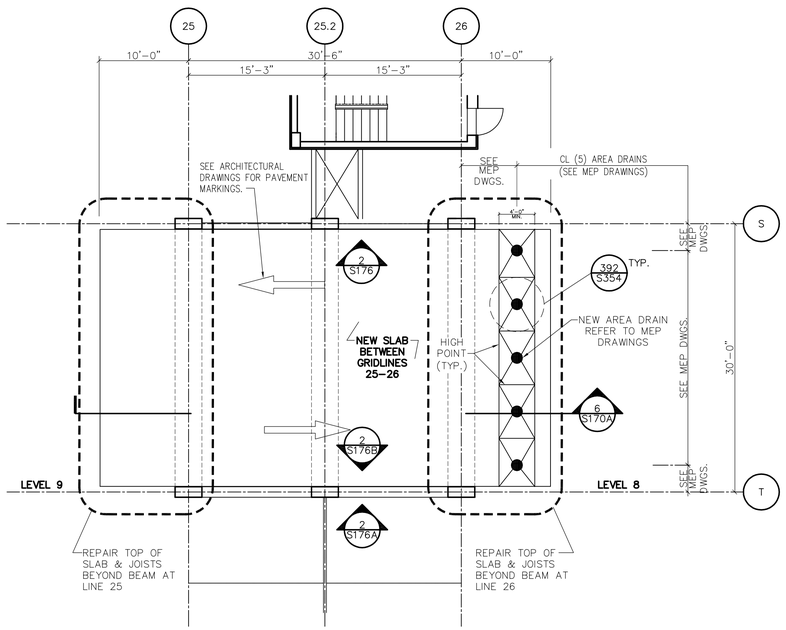
SCALE: AS NOTED
DATE: 7-23-2020

DPW FILE NO. 52-01-S-382-0
REV. NO.



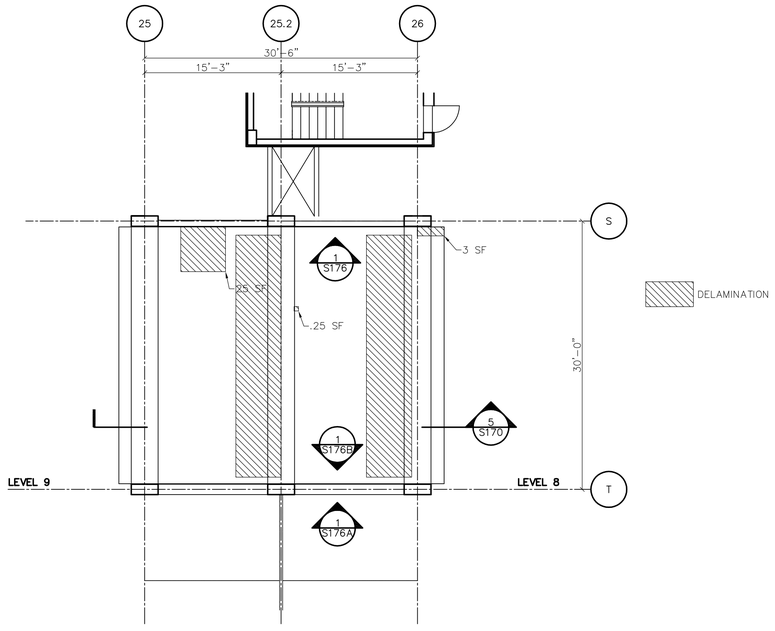
NORTH RAMP LEVEL 8 TO 9 PLAN (TOP) (EXISTING)

SCALE: ⅛" = 1'-0"



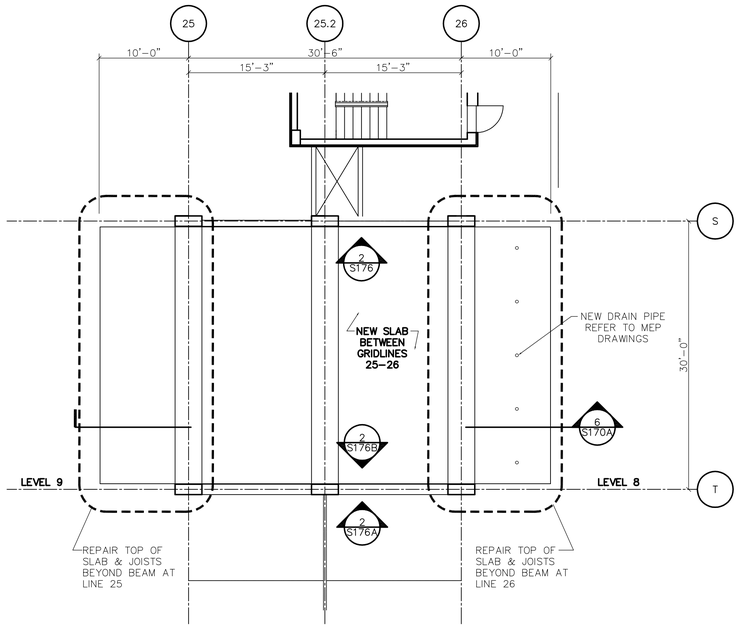
NORTH RAMP LEVEL 8 TO 9 PLAN (TOP) (REPAIR)

SCALE: ⅛" = 1'-0"



NORTH RAMP LEVEL 8 TO 9 PLAN (UNDERSIDE) (EXISTING)

SCALE: ⅛" = 1'-0"



NORTH RAMP LEVEL 8 TO 9 PLAN (UNDERSIDE) (REPAIR)

SCALE: ⅛" = 1'-0"

NEW SLAB AREA FOR RAMP LEVEL 8 TO LEVEL 9 – PHASE 1	
QTY.	DESCRIPTION
455 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)
909 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)
151 SF	FULL REPAIR AREA IN SQUARE FEET (SF)
1,515 SF	TOTAL SLAB REPAIR AREA IN SQUARE FEET (SF)
23 CY	TOTAL SLAB REPAIR IN CUBIC YARD (CY)

RAMP (EXISTING) NOTES:

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2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

RAMP (REPAIR) NOTES:

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5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

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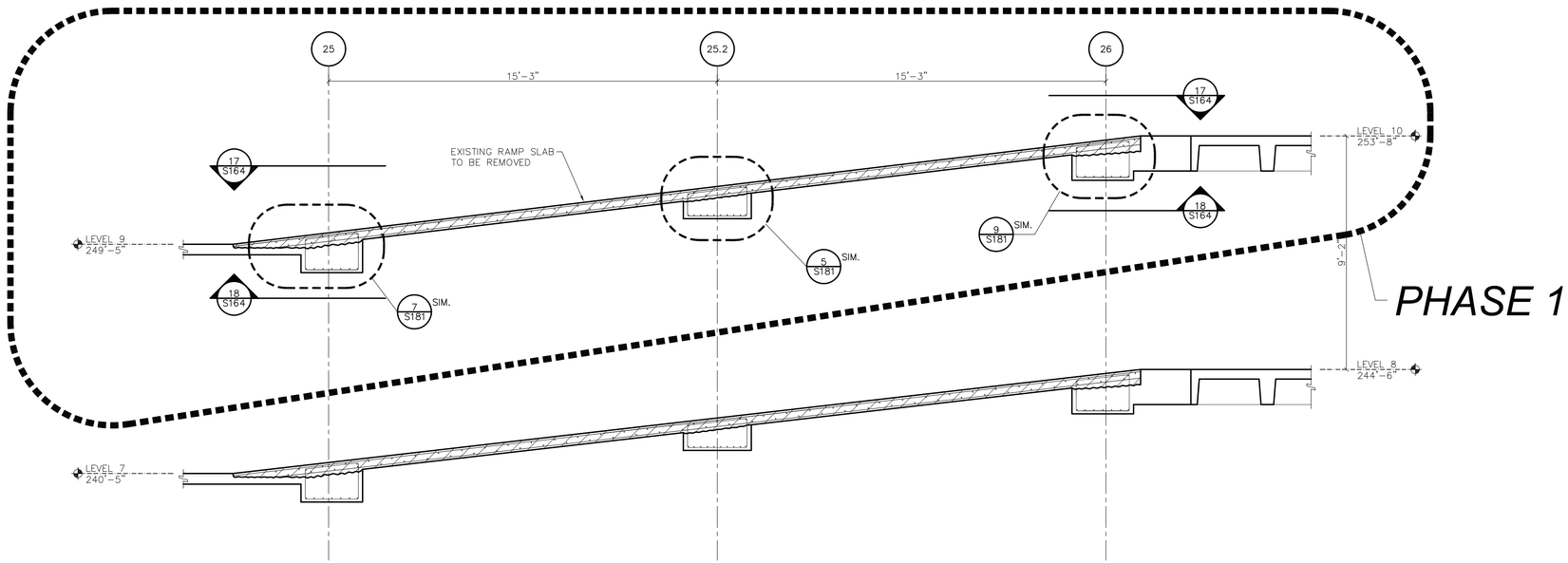
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

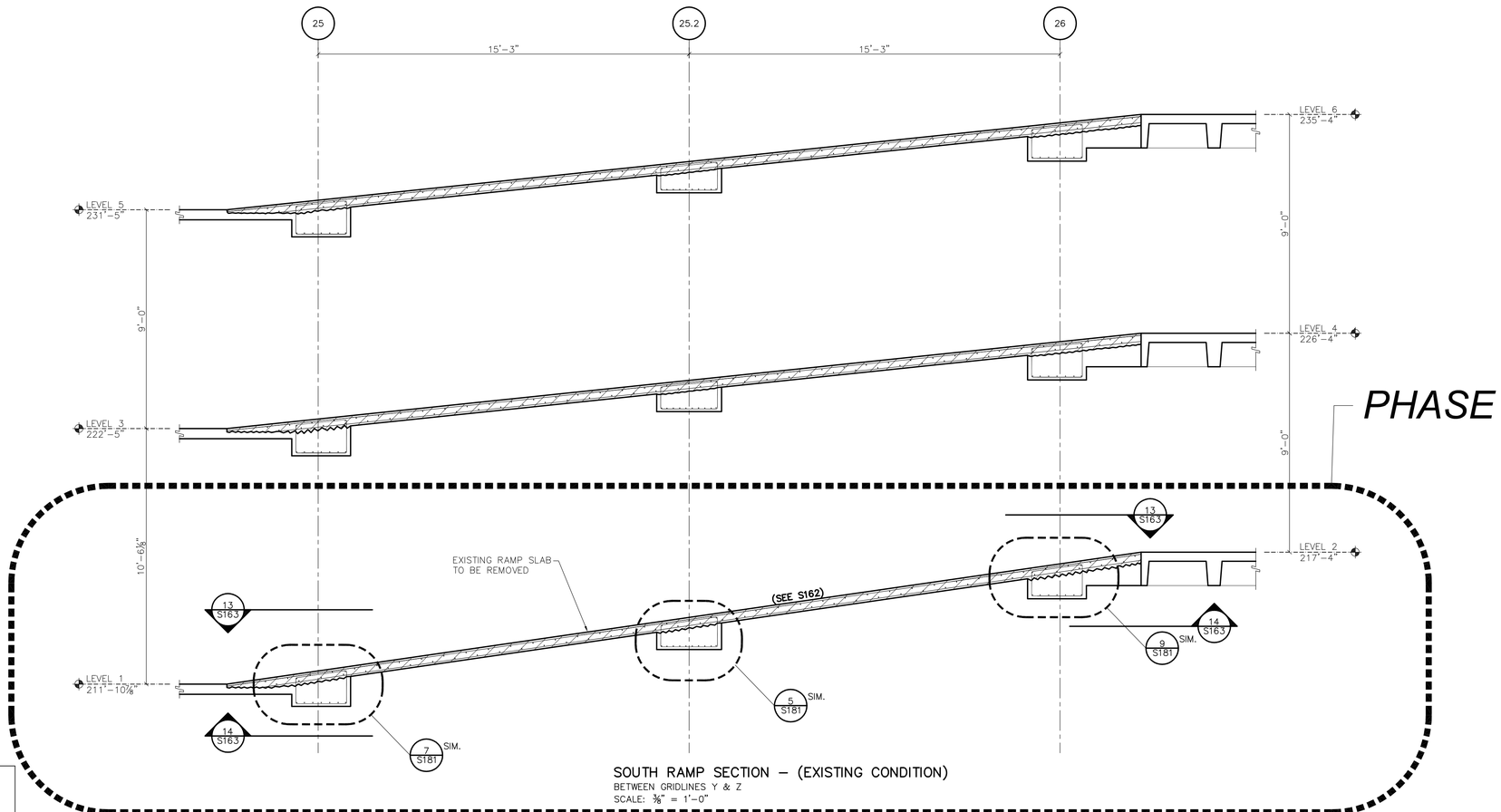
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH RAMP PLANS (S-T)

CONTRACT NUMBER 19-515
SHEET NUMBER S166
SHEET NO. 26 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-383-0
REV. NO.



SOUTH RAMP SECTION – (EXISTING CONDITION)
BETWEEN GRIDLINES W & X
SCALE: 3/8" = 1'-0"

1



SOUTH RAMP SECTION – (EXISTING CONDITION)
BETWEEN GRIDLINES Y & Z
SCALE: 3/8" = 1'-0"

2

RAMP (EXISTING) NOTES:

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2. SEE SHEETS S163 & S164 FOR EXISTING RAMP PLANS.
3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

NOTE:
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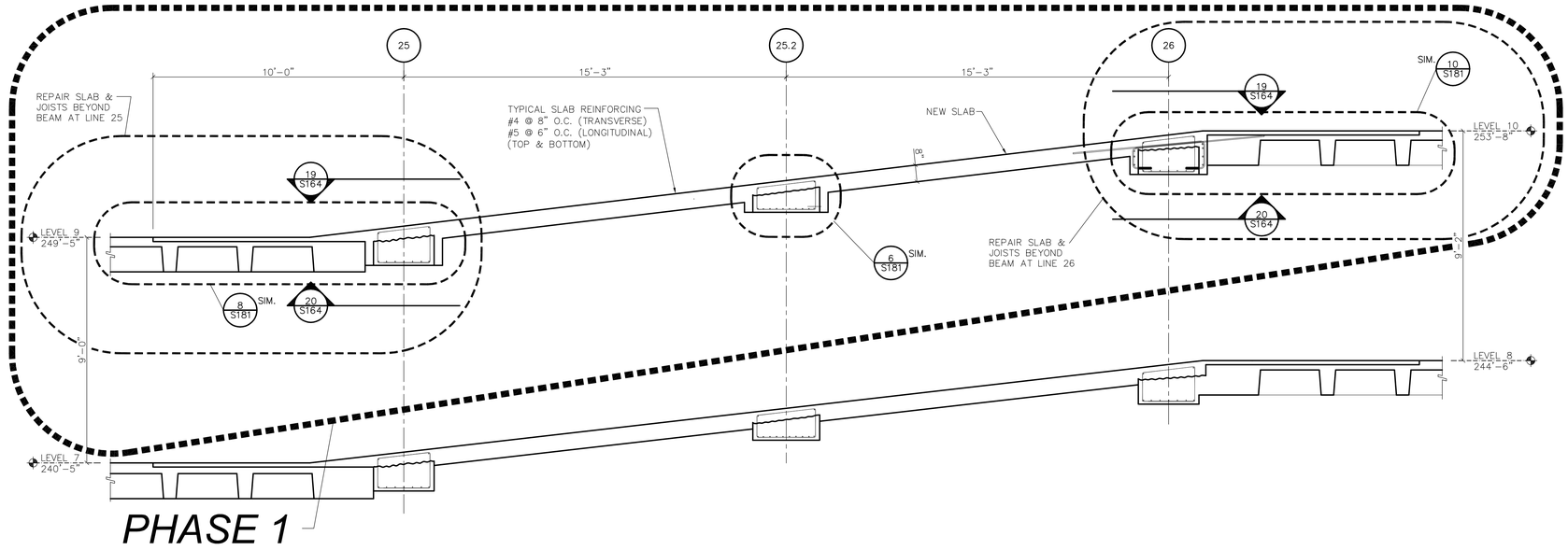
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

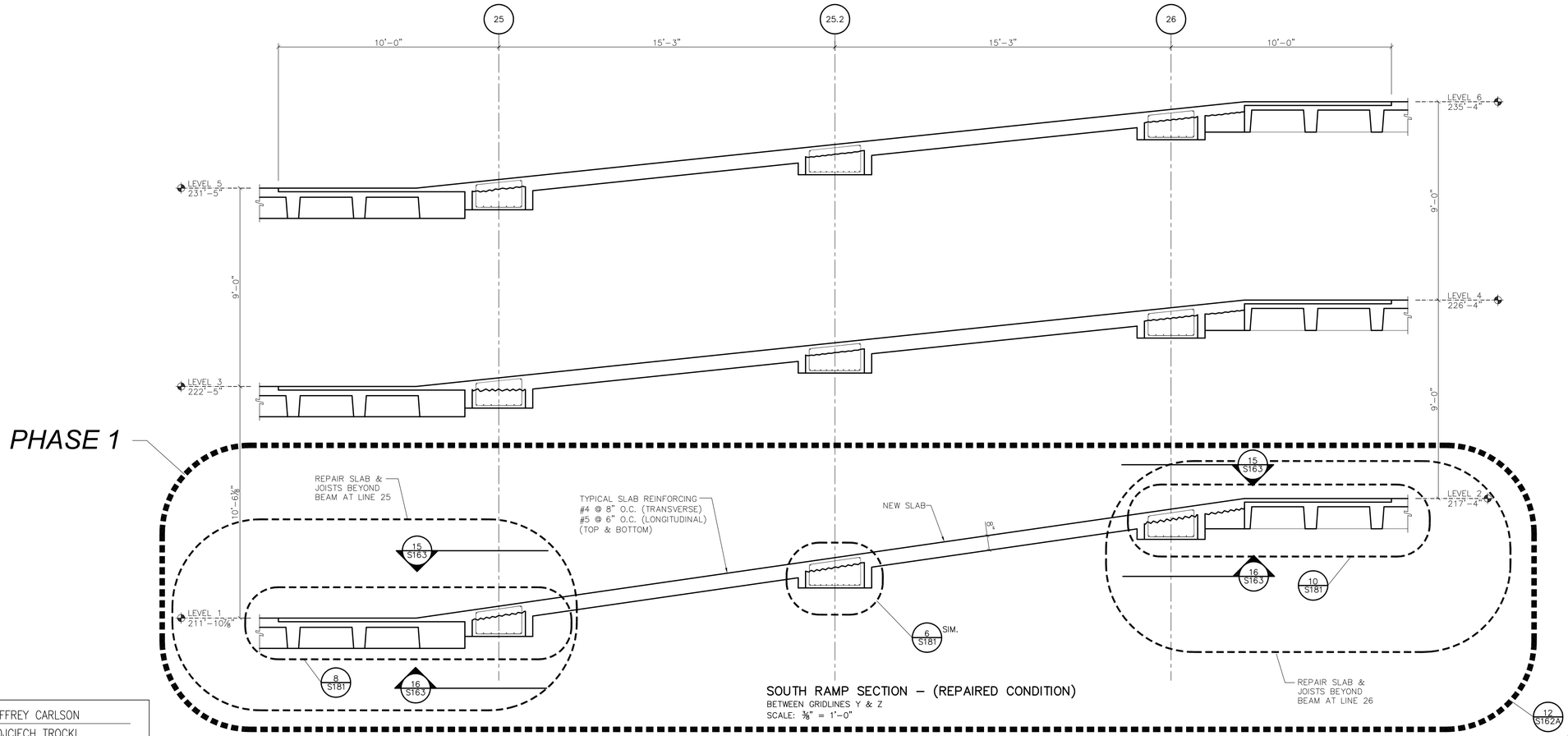
CONTRACT NUMBER: 19-515
SHEET NUMBER: S169
SHEET NO. 37 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MCNEILAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP SECTIONS – (EXISTING CONDITION)

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-384-0
REV. NO.



SOUTH RAMP SECTION – (REPAIRED CONDITION)
BETWEEN GRIDLINES W & X
SCALE: ⅜" = 1'-0"



SOUTH RAMP SECTION – (REPAIRED CONDITION)
BETWEEN GRIDLINES Y & Z
SCALE: ⅜" = 1'-0"

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6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

NOTE:
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3

4

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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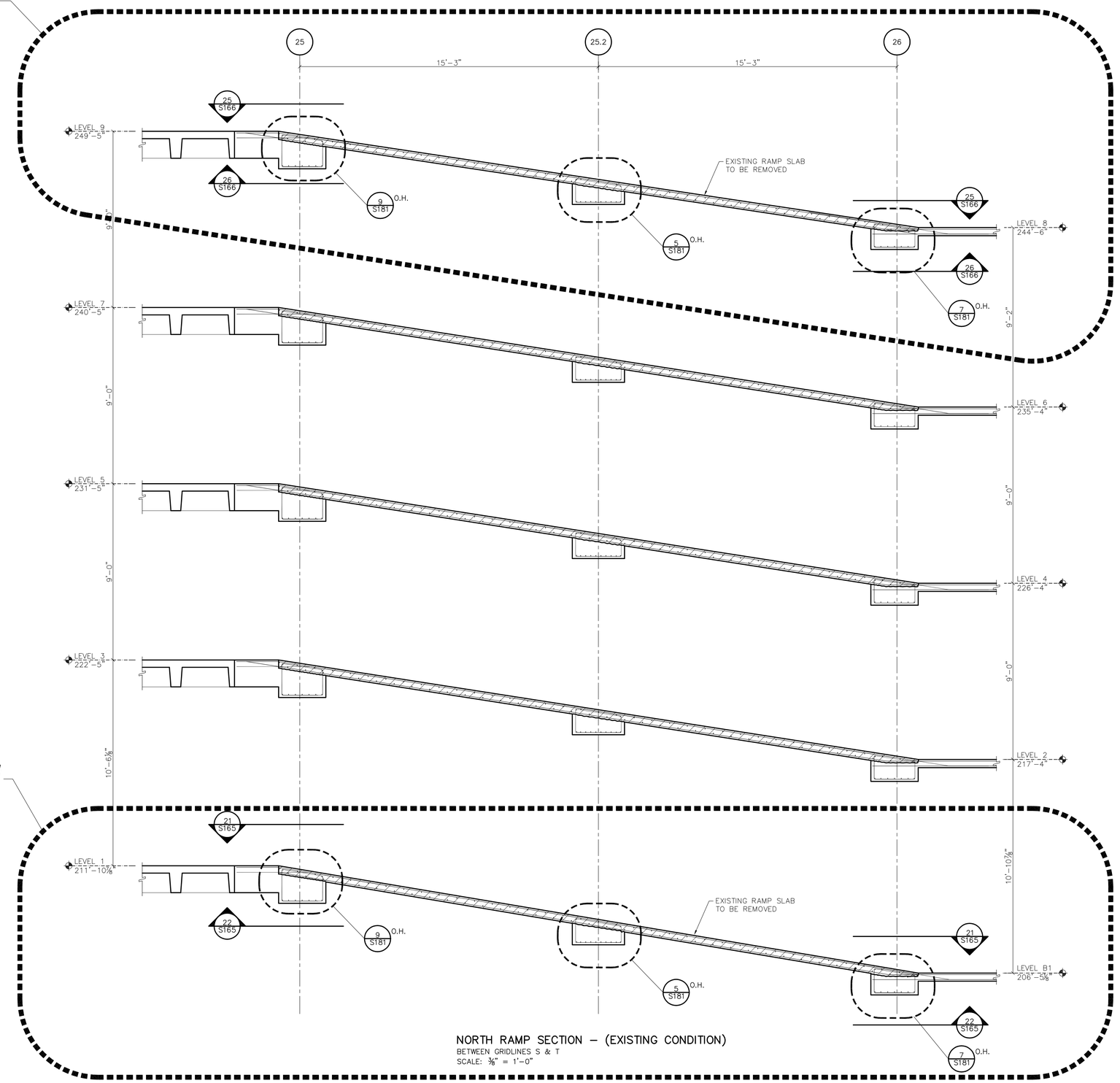
CONTRACT NUMBER 19-515
SHEET NUMBER S169A
SHEET NO. 38 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-385-0
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP SECTIONS – (REPAIRED CONDITION)

PHASE 1



NORTH RAMP SECTION – (EXISTING CONDITION)
BETWEEN GRIDLINES S & T
SCALE: ⅜" = 1'-0"

RAMP (EXISTING) NOTES:

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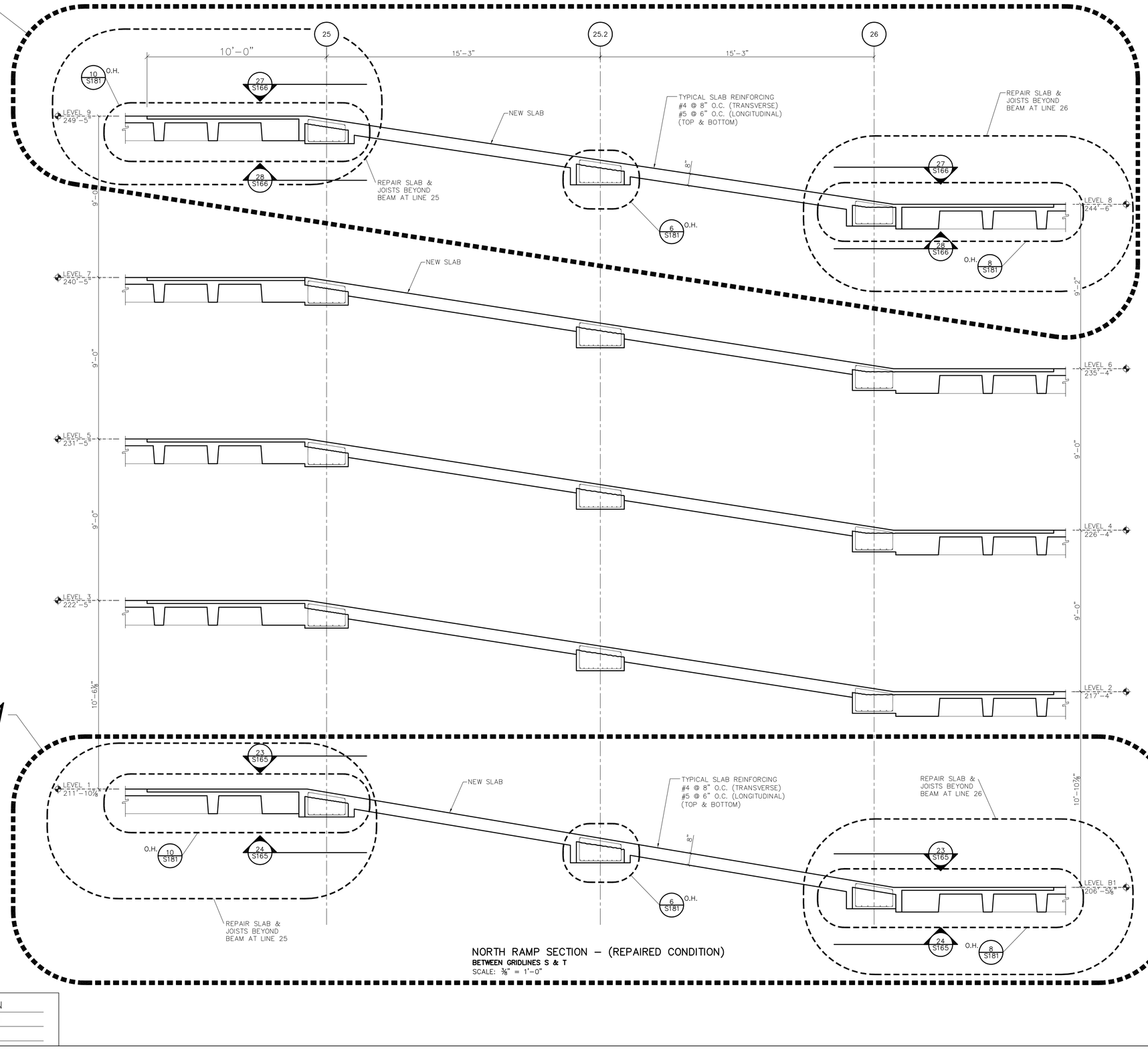
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S170
SHEET NO. 39 OF 87

PARKING GARAGE REHABILITATION – PHASE 1
MICHELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH RAMP SECTION – (EXISTING CONDITION)

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-386-0
REV. NO.

PHASE 1



NORTH RAMP SECTION – (REPAIRED CONDITION)

BETWEEN GRIDLINES S & T

SCALE: ⅜" = 1'-0"

RAMP (REPAIR) NOTES:

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WESTCHESTER COUNTY, NEW YORK
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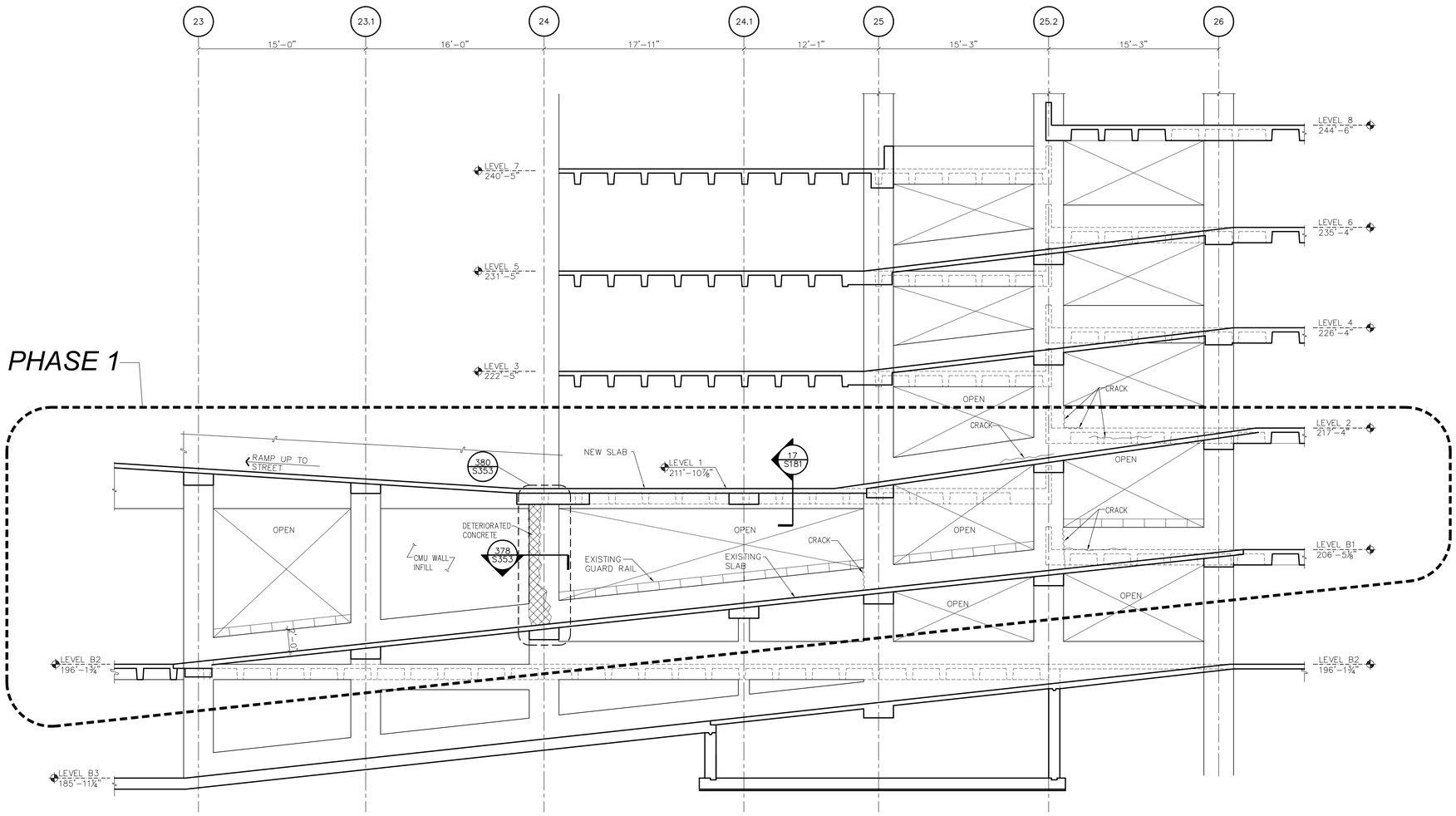
CONTRACT NUMBER 19-515
SHEET NUMBER S170A
SHEET NO. 40 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-387-0
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH RAMP SECTION – (REPAIRED CONDITION)



SOUTH RAMP ELEVATION AT LINE Y LOOKING NORTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"

NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
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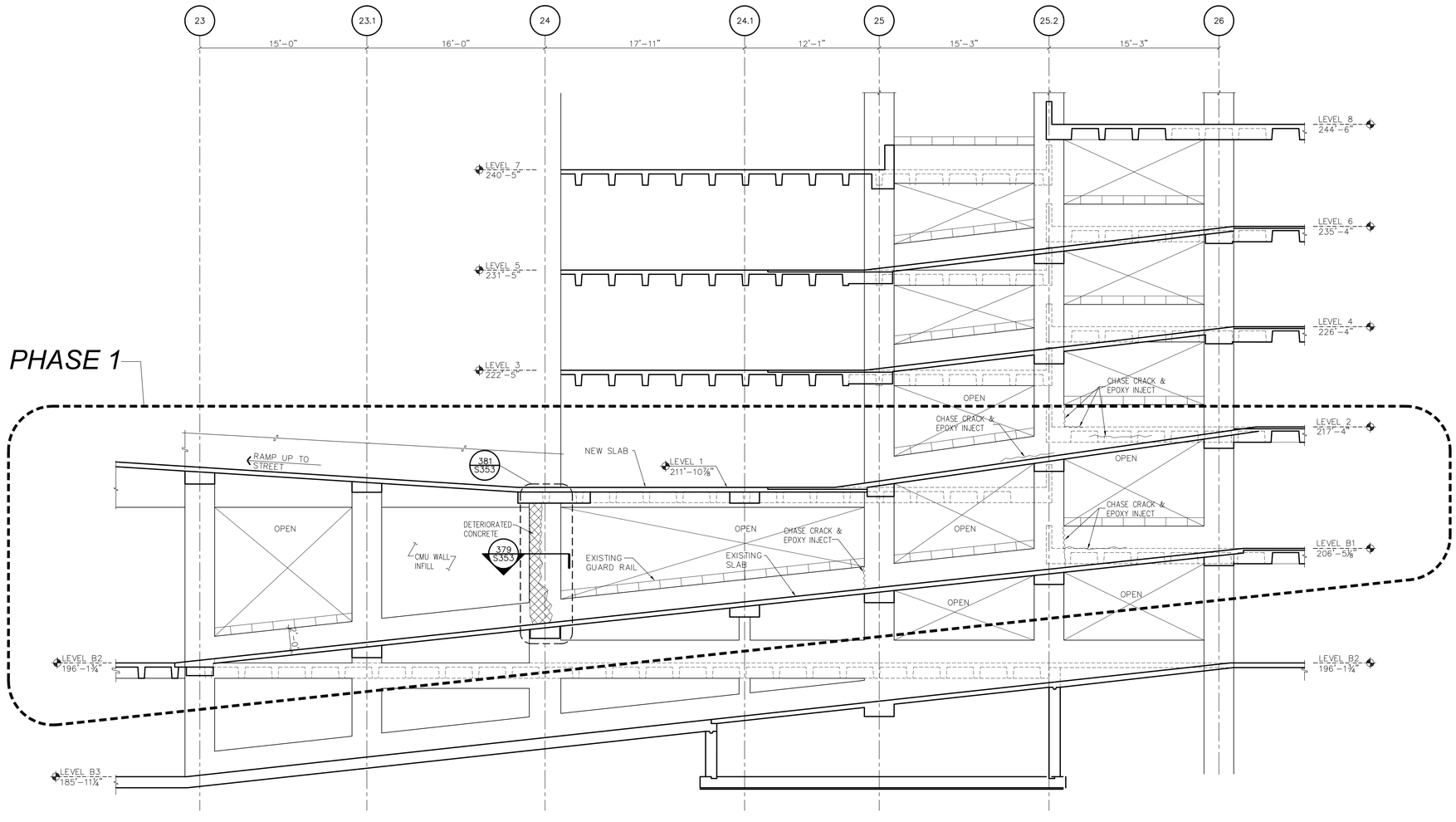
CONTRACT NUMBER 19-515
SHEET NUMBER S175
SHEET NO. 41 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-388-0
REV.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP ELEVATION AT LINE Y LOOKING NORTH (EXISTING CONDITION)

TOTAL ELEVATION AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	4 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	386/S354
	9 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	1 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
	14 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EPOXY INJECT OR GROUT AND SEAL – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	9 LF	EPOXY INJECT IN LINEAR FEET (LF)	390/S354
	20 LF	GROUT AND SEAL IN LINEAR FEET (SF)	
	29 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	

PHASE 1



SOUTH RAMP ELEVATION AT LINE Y LOOKING NORTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

NOTES:

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NOTE:
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914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE
DATE

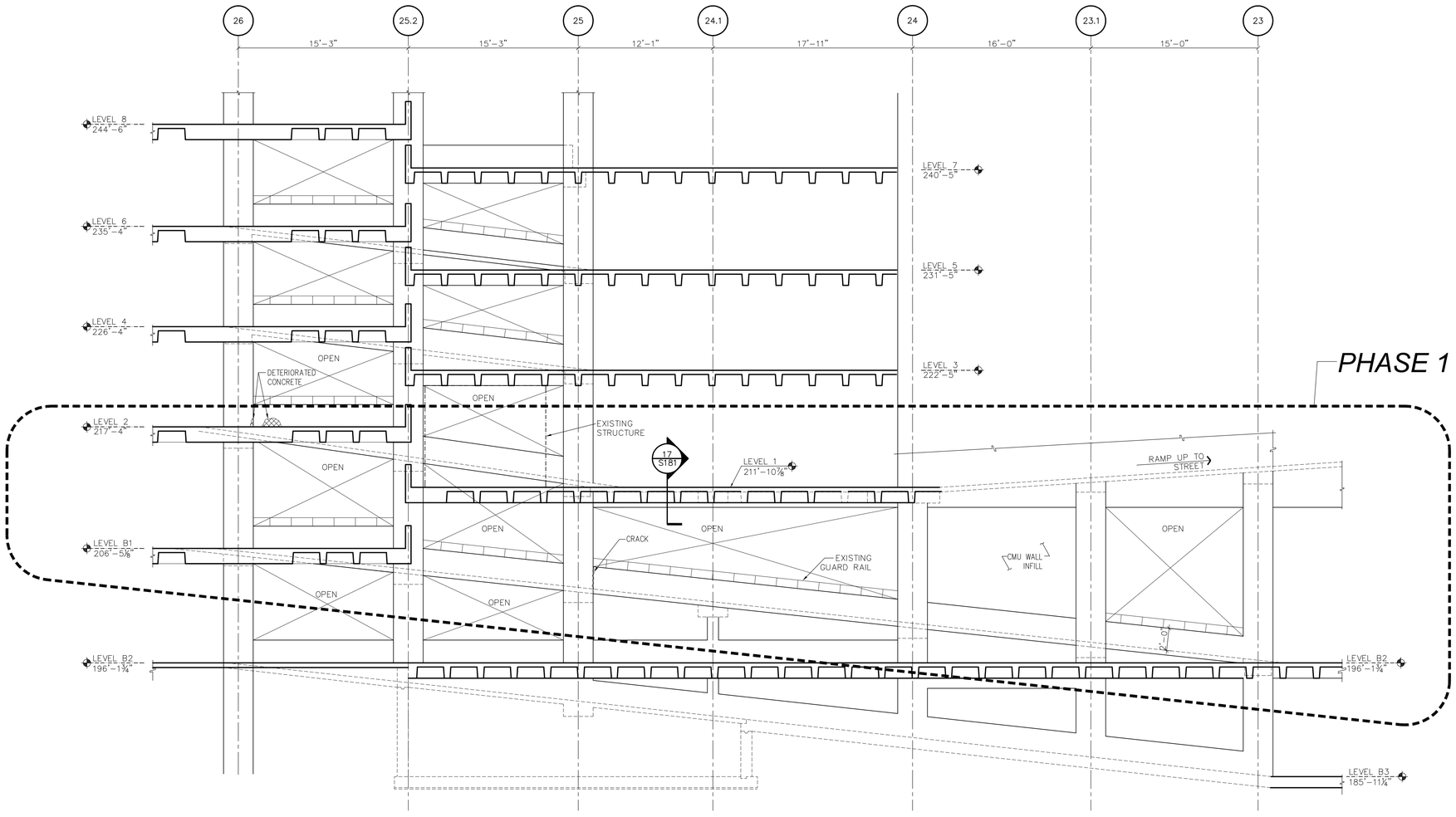
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP ELEVATION AT LINE Y LOOKING NORTH (REPAIRED CONDITION)

CONTRACT NUMBER: 19-515
SHEET NUMBER: S175A
SHEET NO. 42 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-389-0
REV. NO.:

IN CHARGE OF: JEFFREY CARLSON
CHECKED BY: WOJCIECH TROCKI
MADE BY: DAN STEVENS



SOUTH RAMP ELEVATION AT LINE Y LOOKING SOUTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"

NOTES:

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3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
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DIVISION OF ENGINEERING

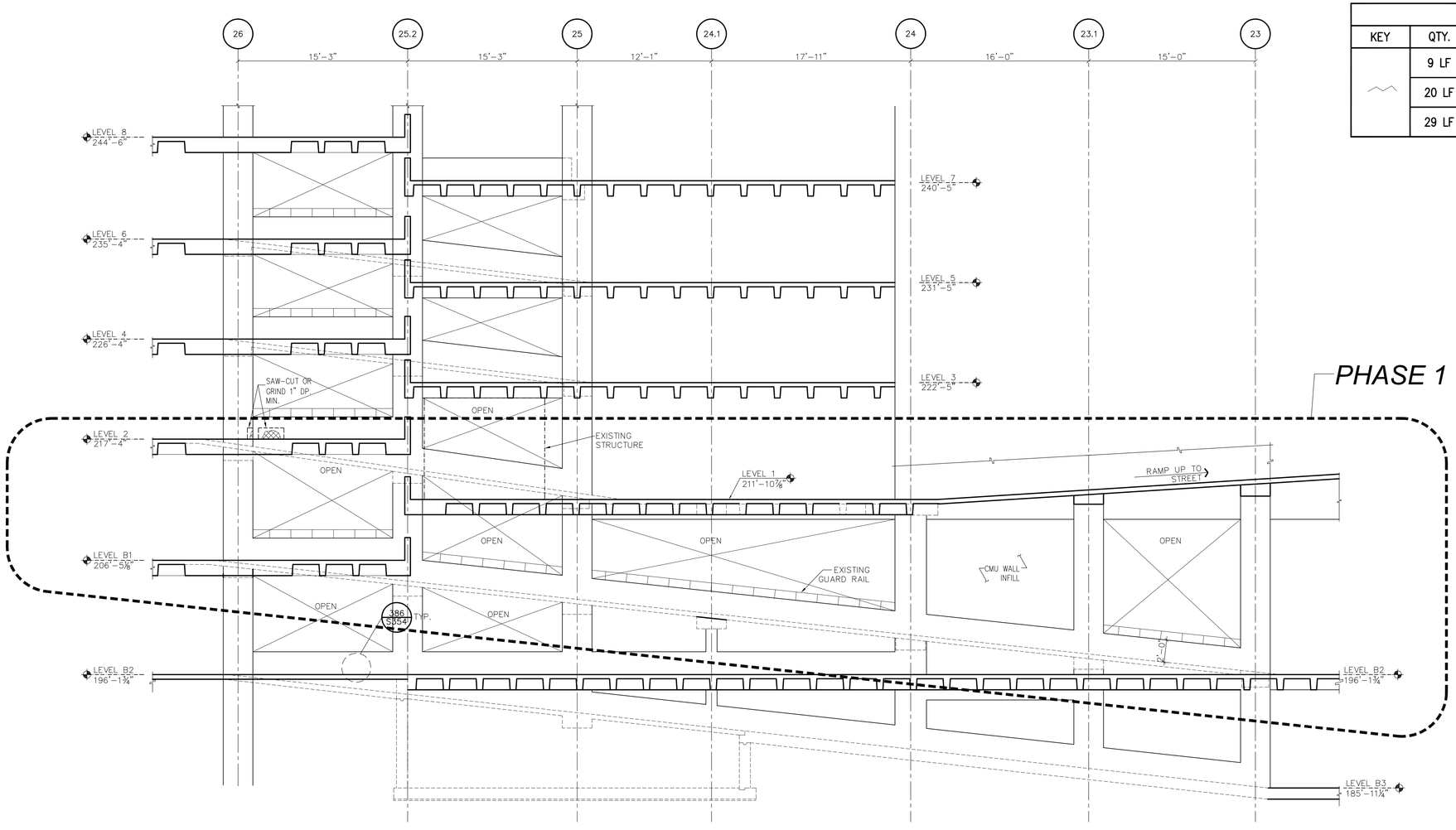
CONTRACT NUMBER: 19-515
SHEET NUMBER: S1758
SHEET NO. 43 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-390-0
REC. FILE

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP ELEVATION AT LINE Y LOOKING SOUTH (EXISTING CONDITION)

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

TOTAL ELEVATION AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	–	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	386/S354
	4 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	–	FULL REPAIR AREA IN SQUARE FEET (SF)	
	4 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EPOXY INJECT OR GROUT AND SEAL – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	9 LF	EPOXY INJECT IN LINEAR FEET (LF)	390/S354
	20 LF	GROUT AND SEAL IN LINEAR FEET (SF)	
	29 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	



SOUTH RAMP ELEVATION AT LINE Y LOOKING SOUTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

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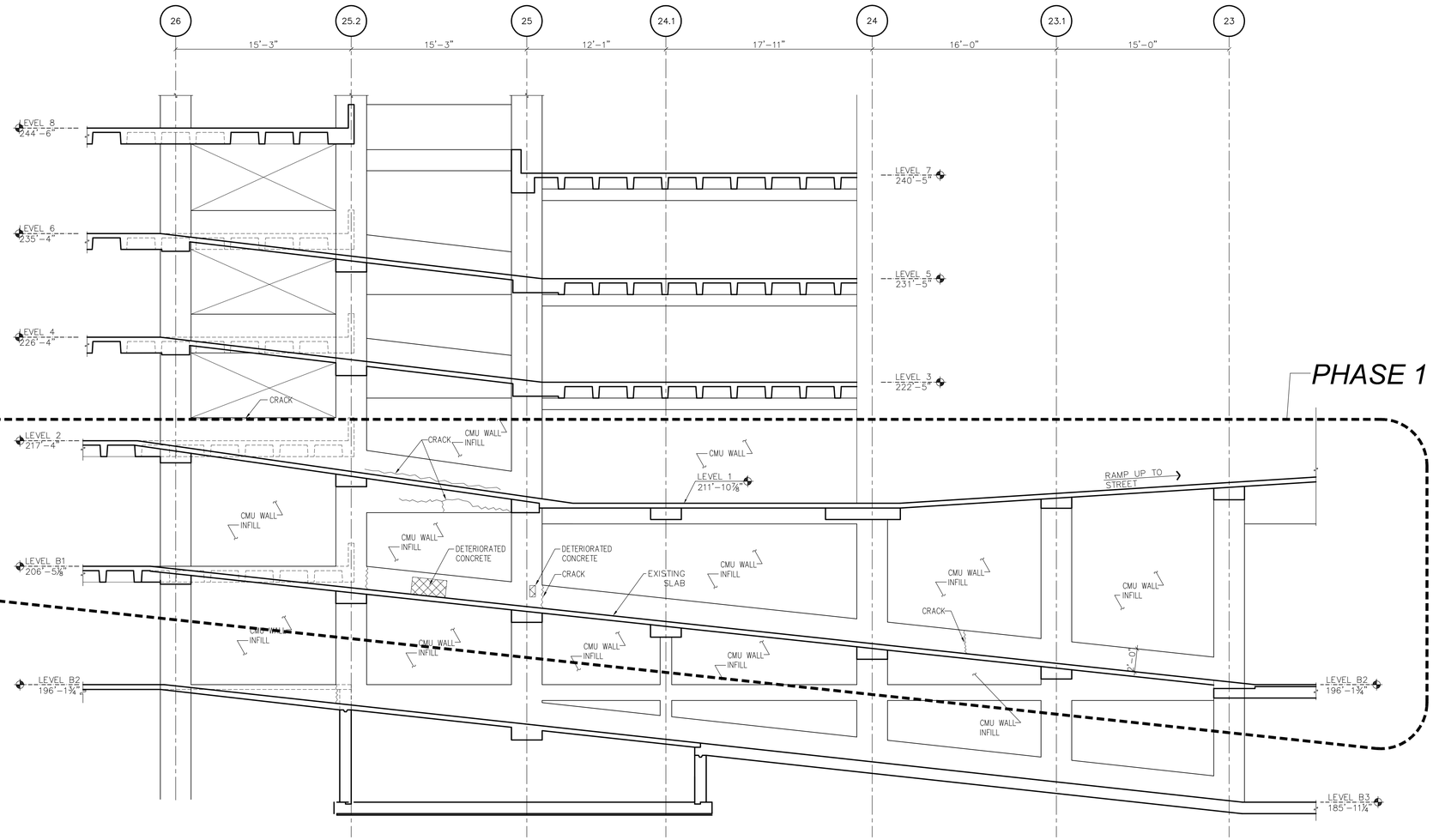
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S175C
SHEET NO. 44 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-391-0
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP ELEVATION AT LINE Y LOOKING SOUTH (REPAIRED CONDITION)

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS



SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"

NOTES:

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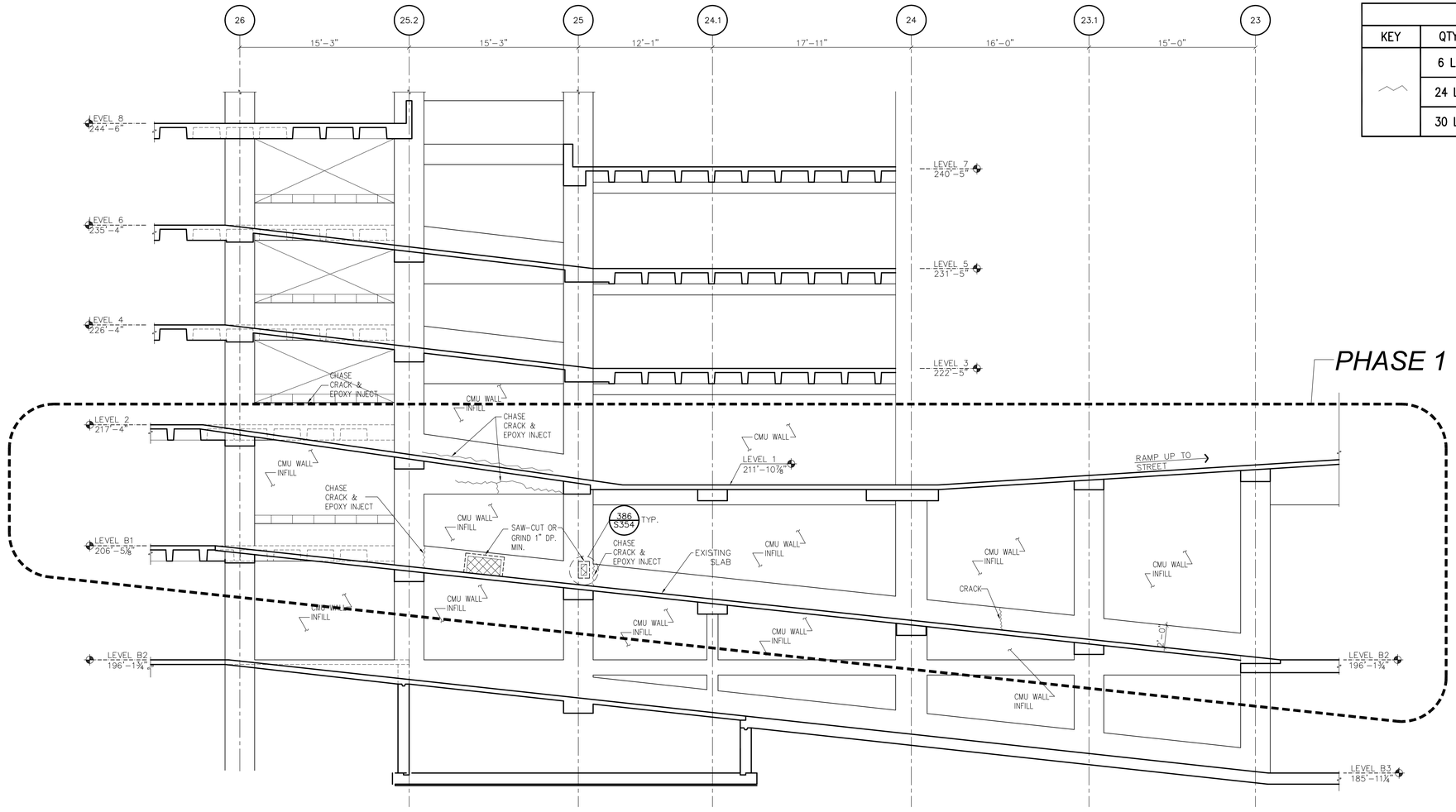
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH (EXISTING CONDITION)

CONTRACT NUMBER 19-515
SHEET NUMBER S175D
SHEET NO. 45 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-392-0
REV. NO.

TOTAL ELEVATION AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	3 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	386/S354
	6 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	1 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
	10 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EPOXY INJECT OR GROUT AND SEAL – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	6 LF	EPOXY INJECT IN LINEAR FEET (LF)	390/S354
	24 LF	GROUT AND SEAL IN LINEAR FEET (SF)	
	30 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	



SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
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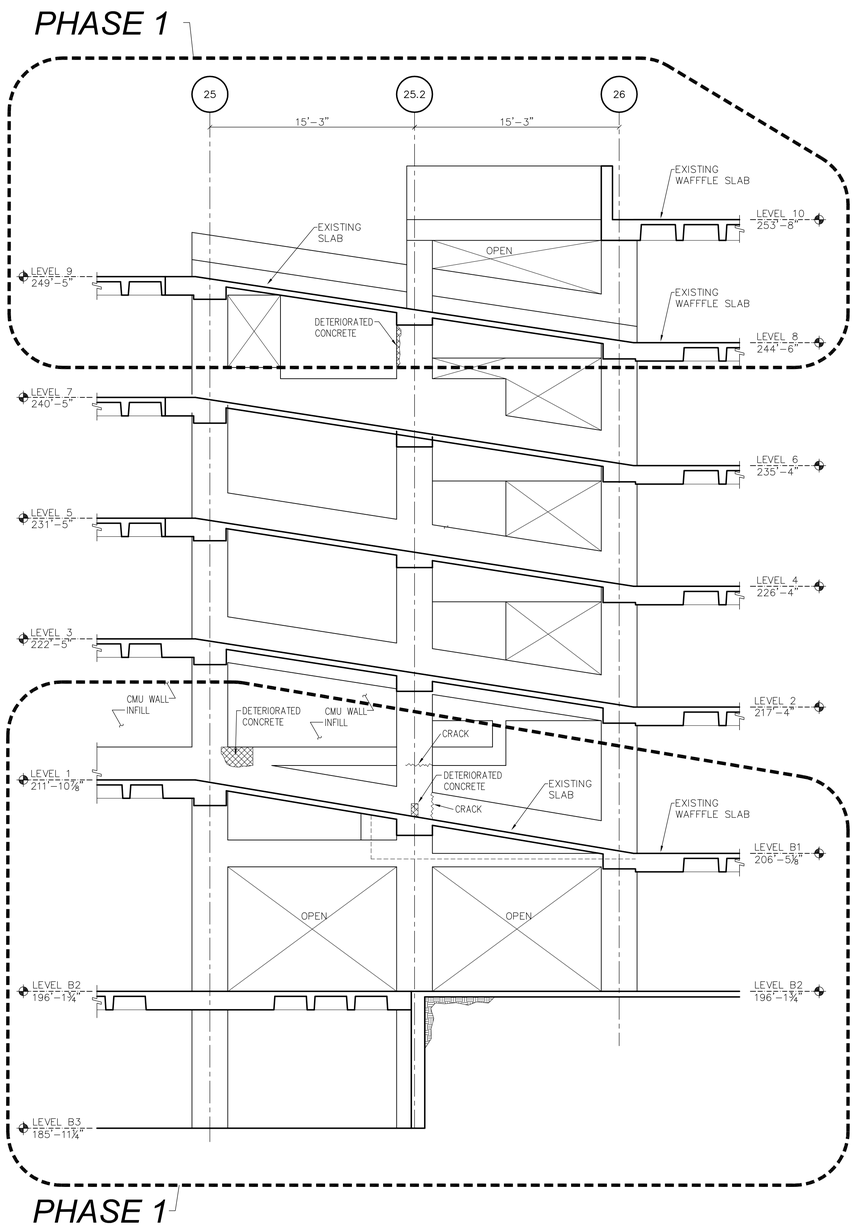
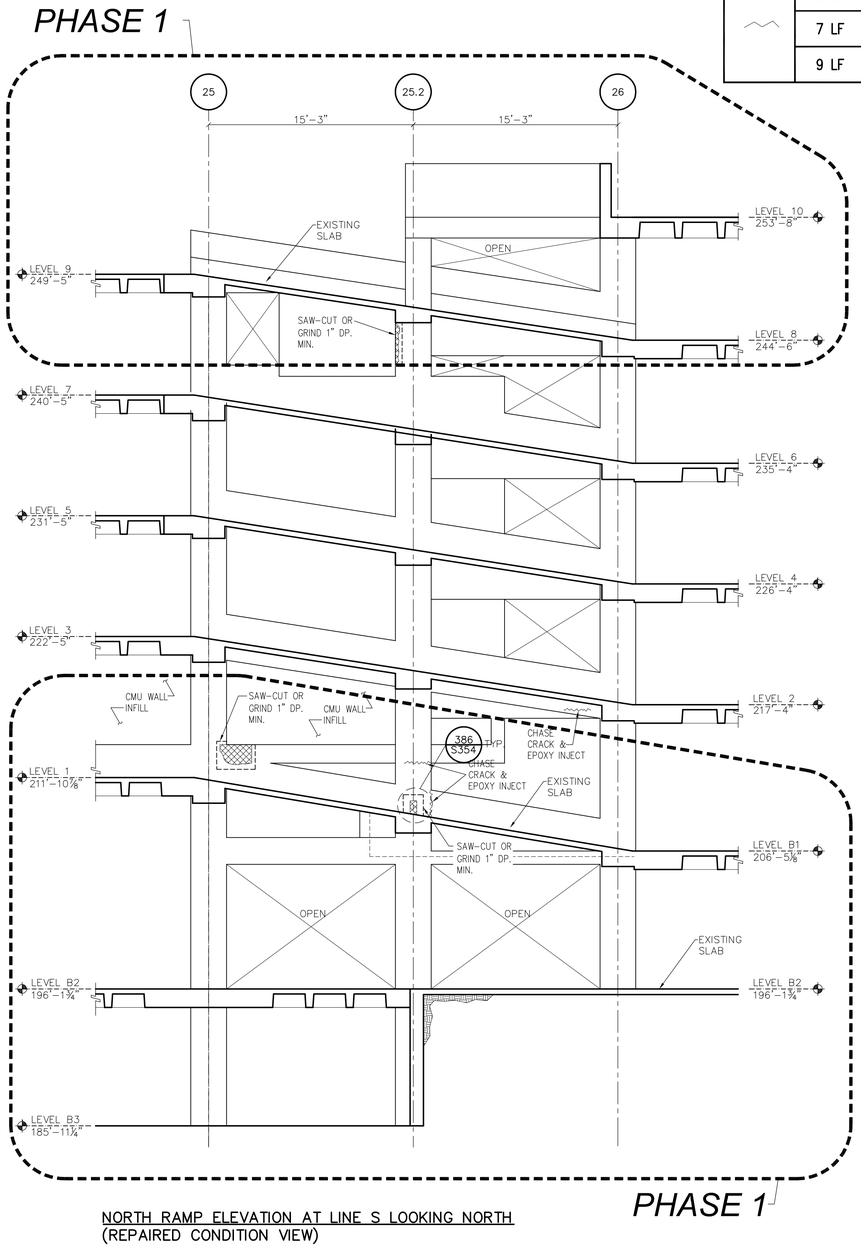
CONTRACT NUMBER 19-515 | SHEET NUMBER S175E
SHEET NO. 48 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-393-0
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH (REPAIRED CONDITION)

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS



NORTH RAMP ELEVATION AT LINE S LOOKING NORTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"



NORTH RAMP ELEVATION AT LINE S LOOKING NORTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

TOTAL ELEVATION AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	5 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	386/S354
	10 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	21 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
	17 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EPOXY INJECT OR GROUT AND SEAL – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	2 LF	EPOXY INJECT IN LINEAR FEET (LF)	390/S354
	7 LF	GROUT AND SEAL IN LINEAR FEET (SF)	
	9 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	

NOTES:

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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CONTRACT NUMBER 19-515
SHEET NUMBER S176
SHEET NO. 47 OF 87
SCALE: AS NOTED
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DPW FILE NO. 52-01-S-394-0
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH RAMP ELEVATION AT LINE S LOOKING NORTH (EXISTING AND REPAIRED CONDITION)

IN CHARGE OF JEFFREY CARLSON
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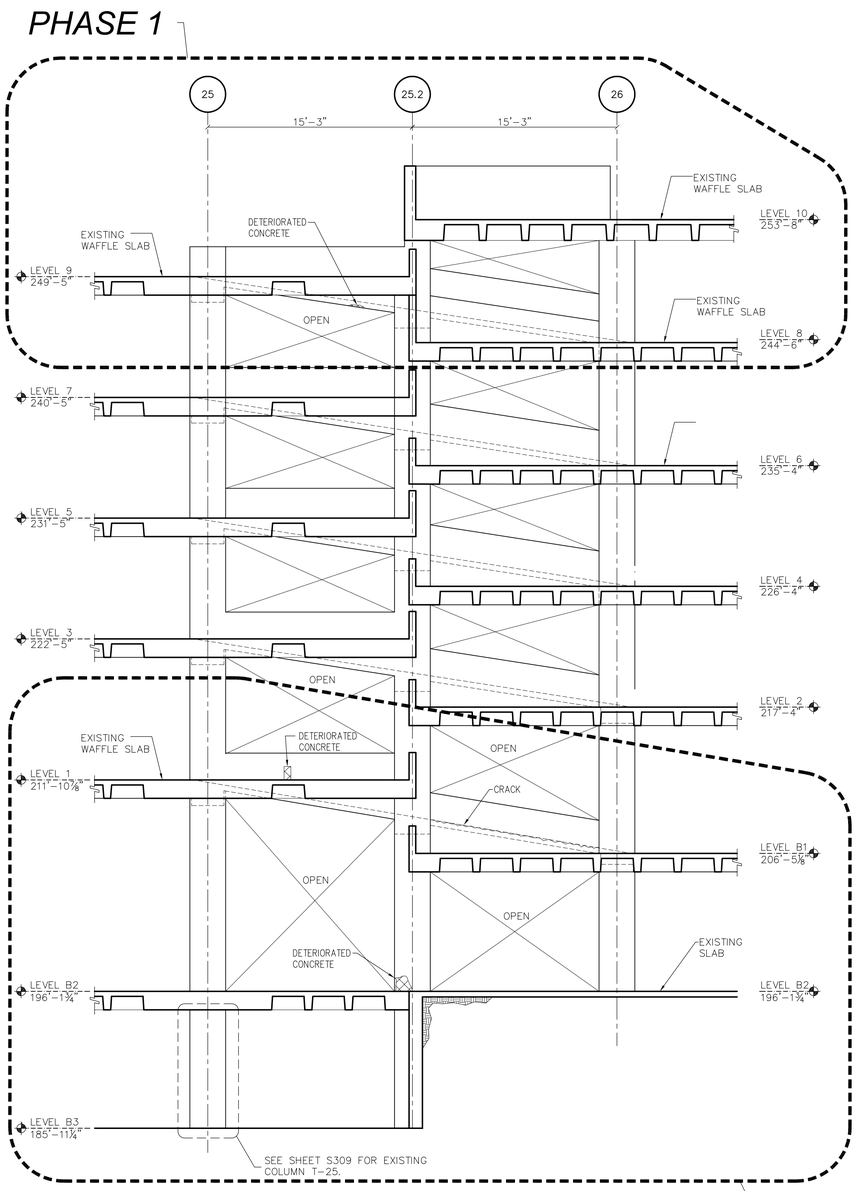

NORTH RAMP ELEVATION AT LINE T LOOKING NORTH
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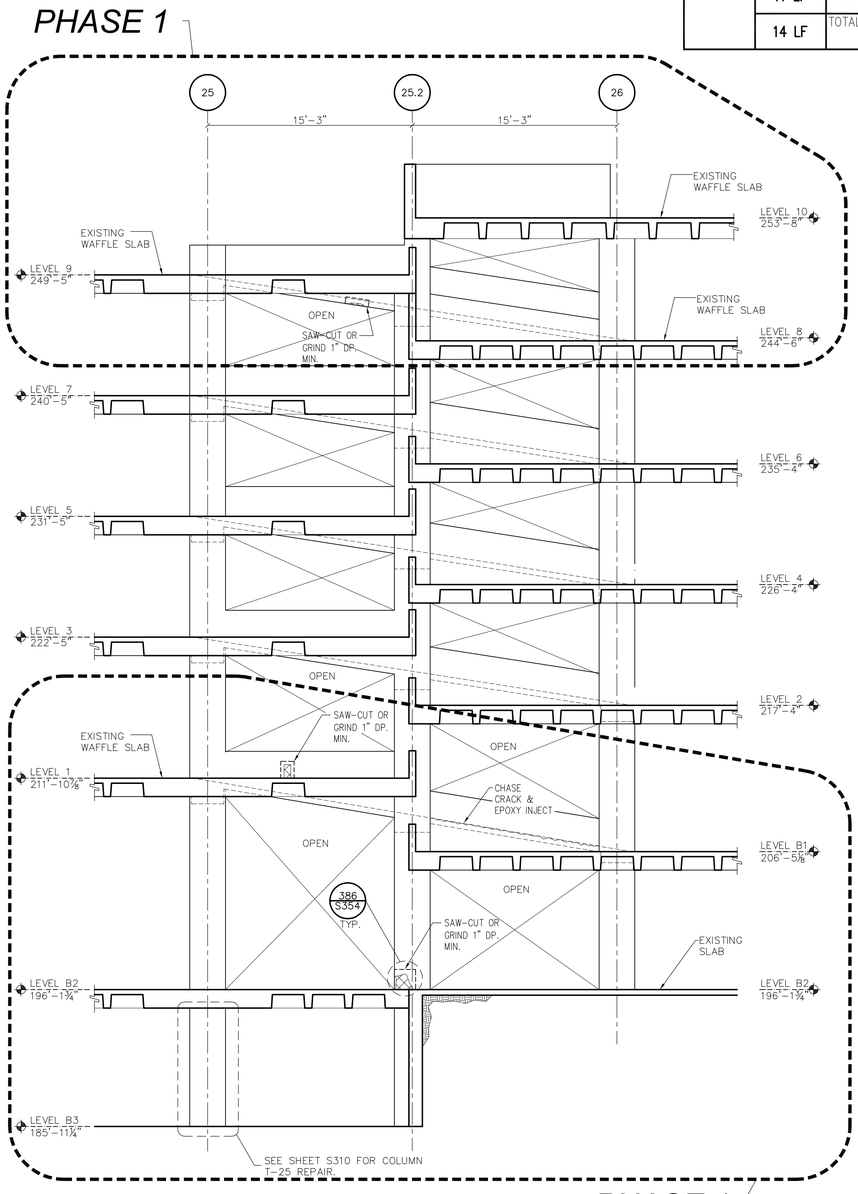

NORTH RAMP ELEVATION AT LINE T LOOKING NORTH
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SCALE: 3/16" = 1'-0"

TOTAL ELEVATION AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	4 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	386/S354
	8 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	1 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
	13 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EPOXY INJECT OR GROUT AND SEAL – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	3 LF	EPOXY INJECT IN LINEAR FEET (LF)	390/S354
	11 LF	GROUT AND SEAL IN LINEAR FEET (SF)	
	14 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	

NOTES:

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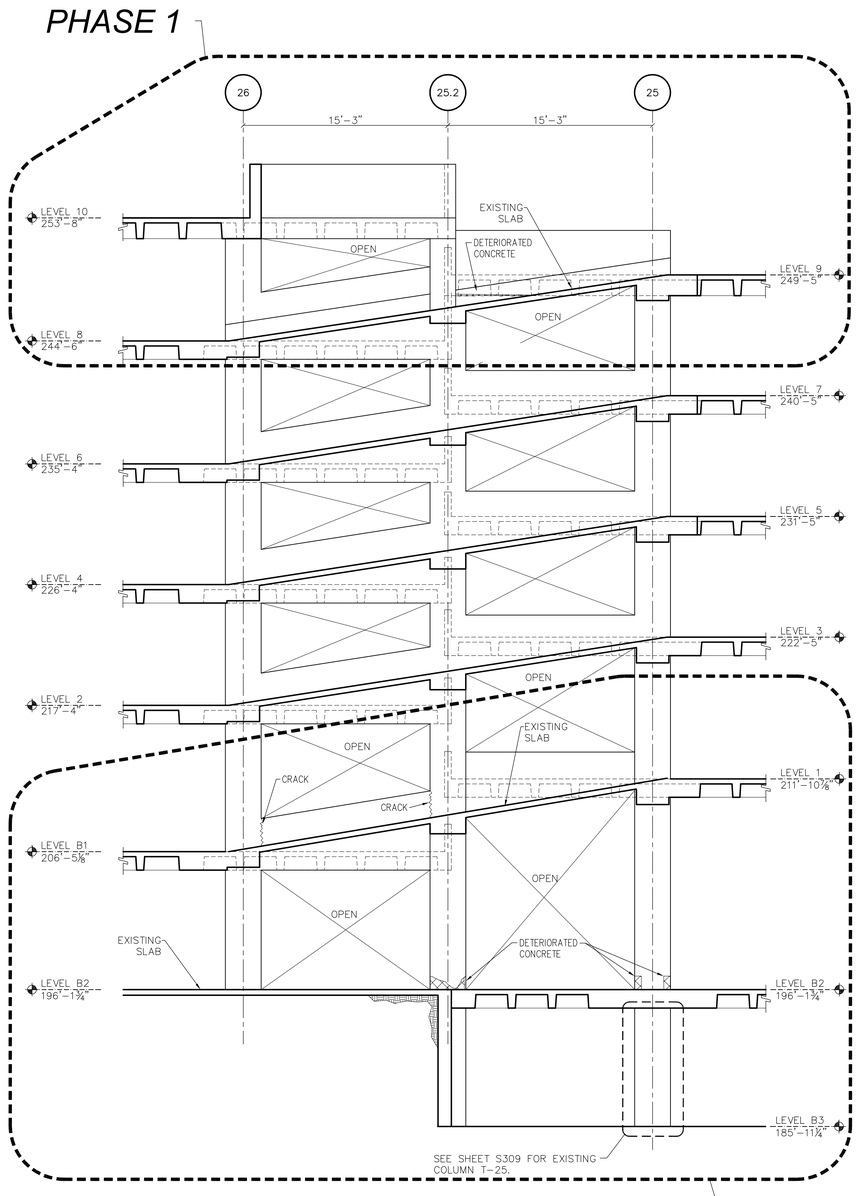
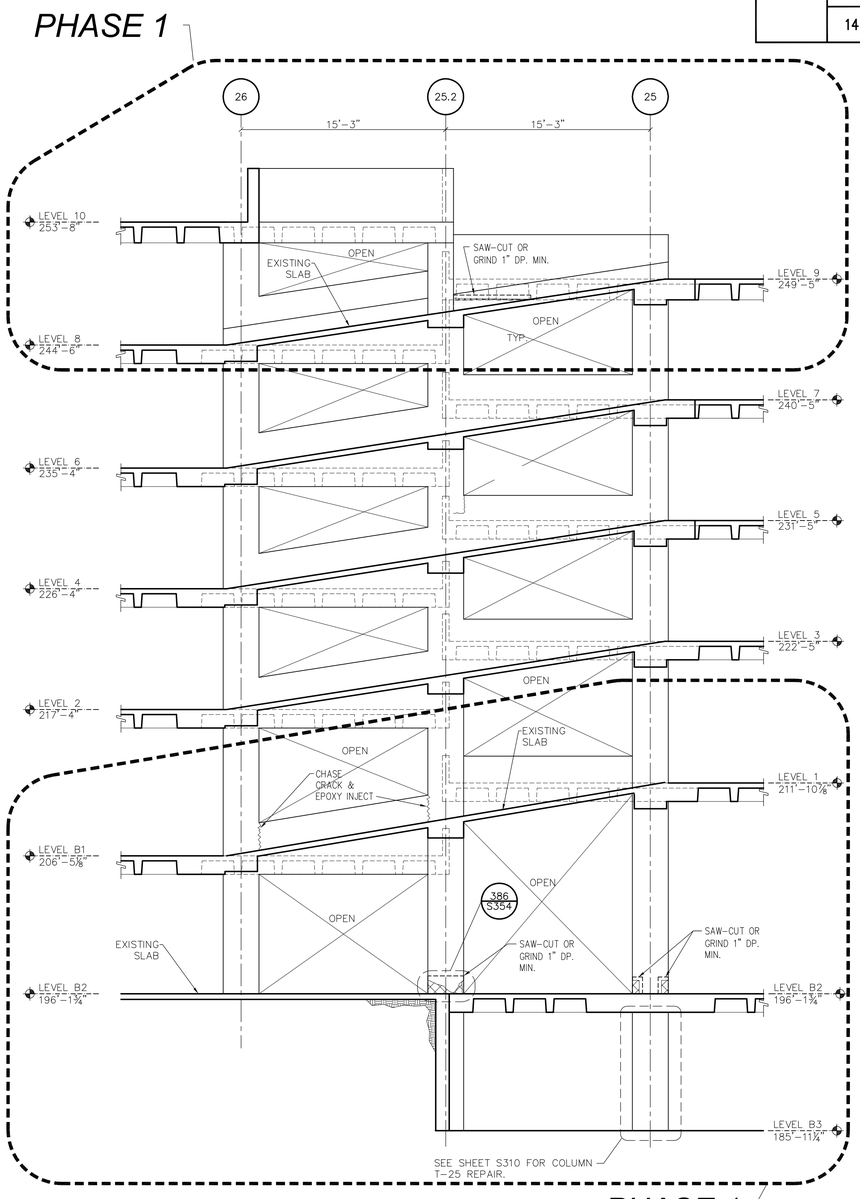
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S176A
SHEET NO. 48 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-395-0
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH RAMP ELEVATION AT LINE T LOOKING NORTH (EXISTING AND REPAIRED CONDITION)



NORTH RAMP ELEVATION AT LINE T LOOKING SOUTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"



NORTH RAMP ELEVATION AT LINE T LOOKING SOUTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

TOTAL ELEVATION AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	4 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	386/S354
	8 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	1 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
	13 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EPOXY INJECT OR GROUT AND SEAL – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	3 LF	EPOXY INJECT IN LINEAR FEET (LF)	390/S354
	11 LF	GROUT AND SEAL IN LINEAR FEET (SF)	
	14 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	

NOTES:

1. SEE S160 SERIES SHEETS FOR EXISTING RAMP PLANS.

NOTES:

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2. SEE SHEET S040 FOR GENERAL AND RAMP REPAIR NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. SEE S160 SERIES SHEETS FOR REPAIRED RAMP PLANS.
5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

NOTE:
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IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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914-741-1115

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07/27/20

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HOPEWELL JUNCTION, NY 12533
914-509-8161 (O)

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	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

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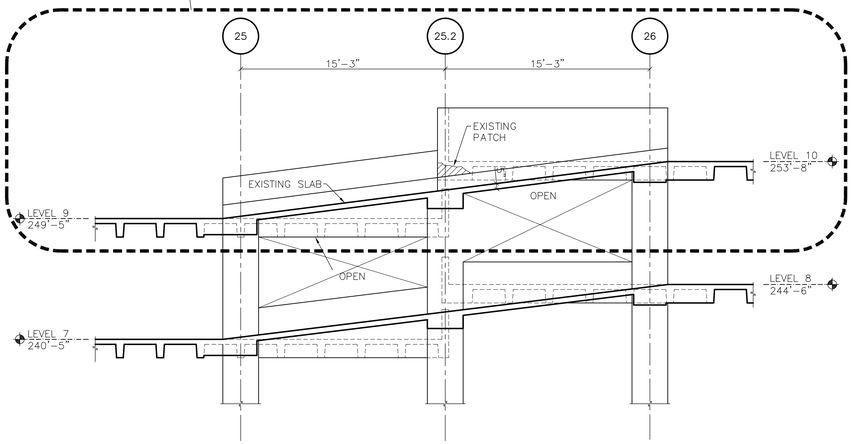
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S176B
SHEET NO. 49 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.
REV. NO.

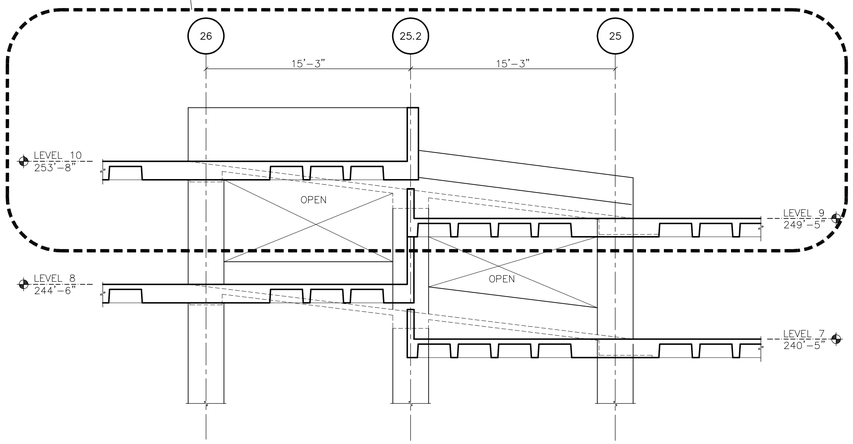
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH RAMP ELEVATION AT LINE T LOOKING SOUTH (EXISTING AND REPAIRED CONDITION)

PHASE 1



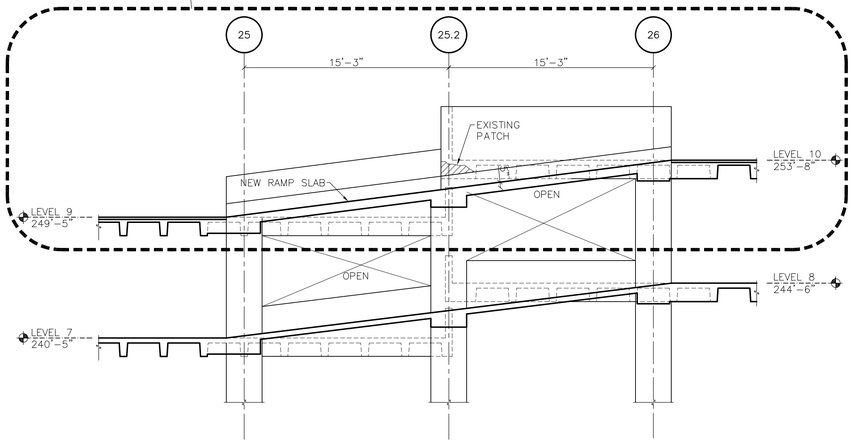
SOUTH RAMP ELEVATION AT LINE W LOOKING NORTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"

PHASE 1



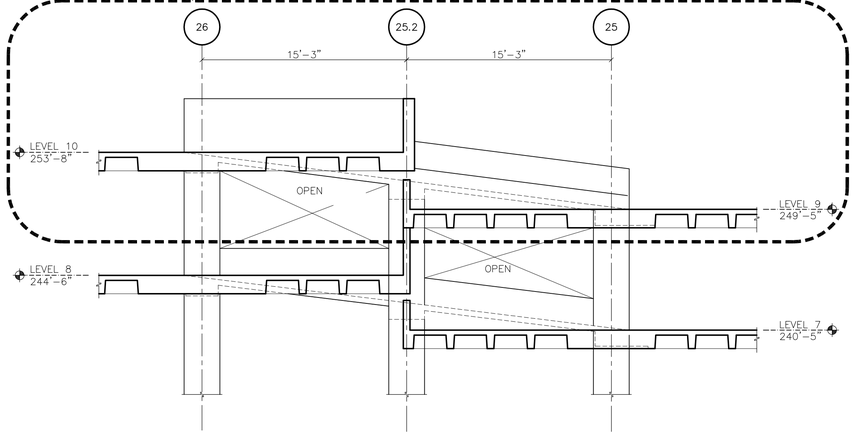
SOUTH RAMP ELEVATION AT LINE W LOOKING SOUTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"

PHASE 1



SOUTH RAMP ELEVATION AT LINE W LOOKING NORTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

PHASE 1



SOUTH RAMP ELEVATION AT LINE W LOOKING SOUTTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

NOTES:

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SHEET NUMBER S177
SHEET NO. 50 OF 97
SCALE: AS NOTED
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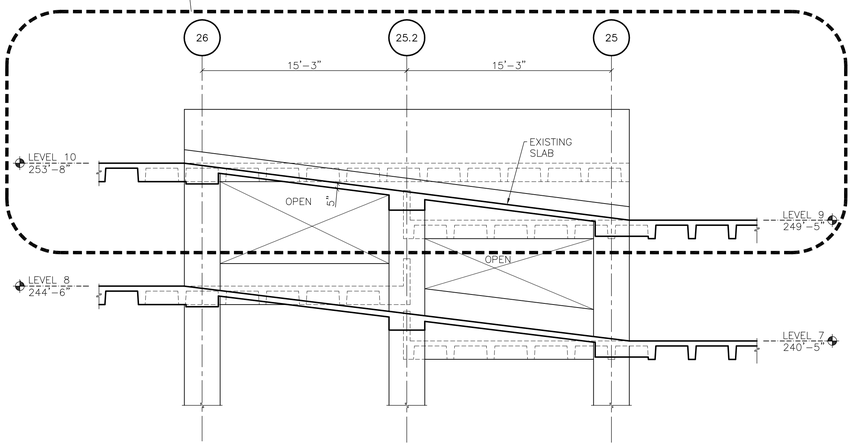
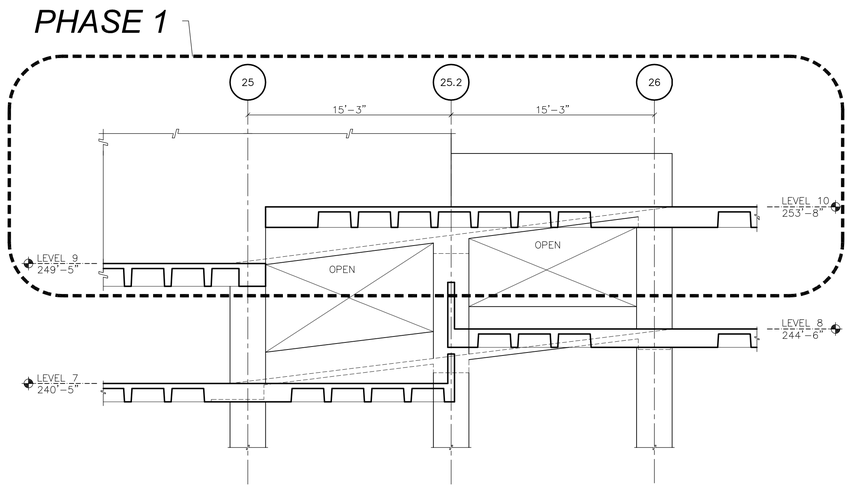
REV. NO.

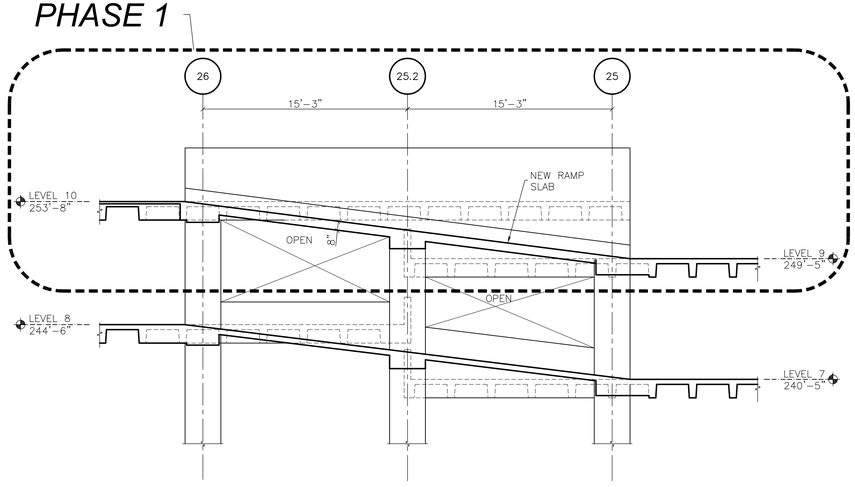
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH AND SOUTH RAMP ELEVATIONS AT LINE W (EXISTING AND REPAIRED CONDITION)



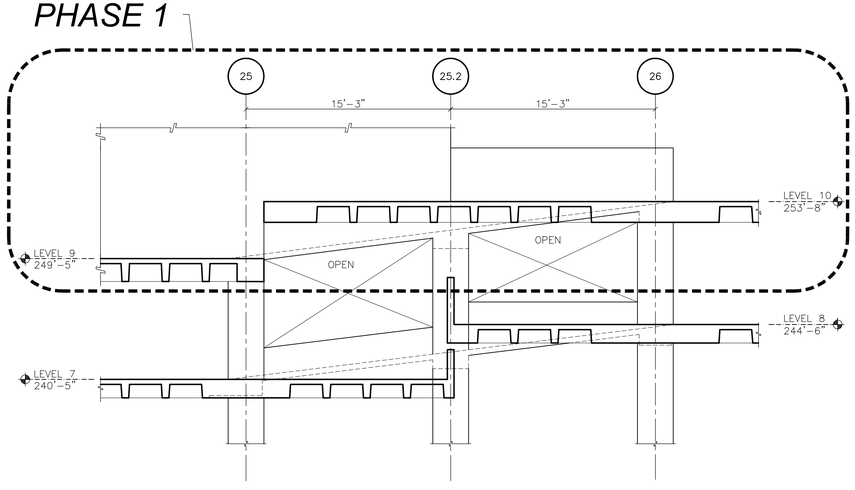
SOUTH RAMP ELEVATION AT LINE X LOOKING SOUTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"



SOUTH RAMP ELEVATION AT LINE X LOOKING NORTH
(EXISTING CONDITION VIEW)
SCALE: 3/16" = 1'-0"



SOUTH RAMP ELEVATION AT LINE X LOOKING SOUTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"



SOUTH RAMP ELEVATION AT LINE X LOOKING NORTH
(REPAIRED CONDITION VIEW)
SCALE: 3/16" = 1'-0"

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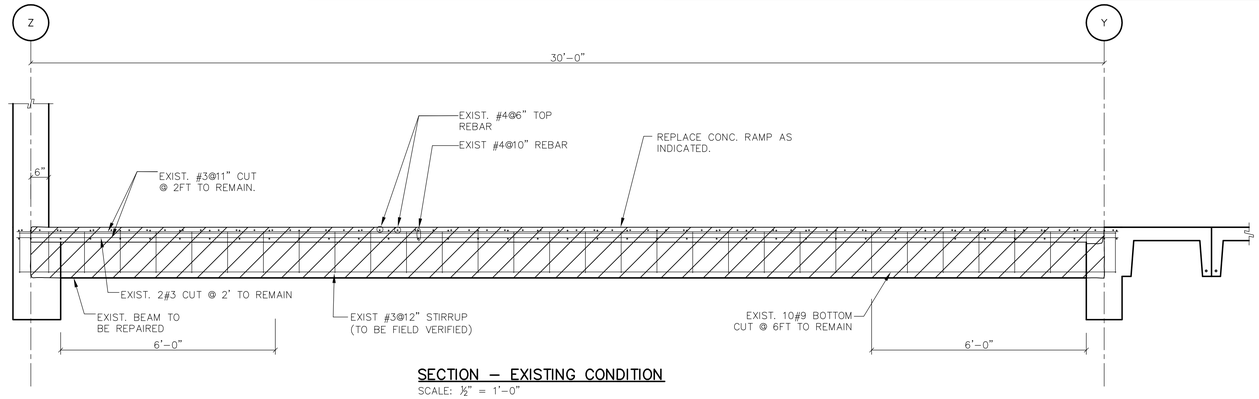
CONTRACT NUMBER: 19-515
SHEET NUMBER: S177A
SHEET NO. 51 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-398-0
REV. NO.:

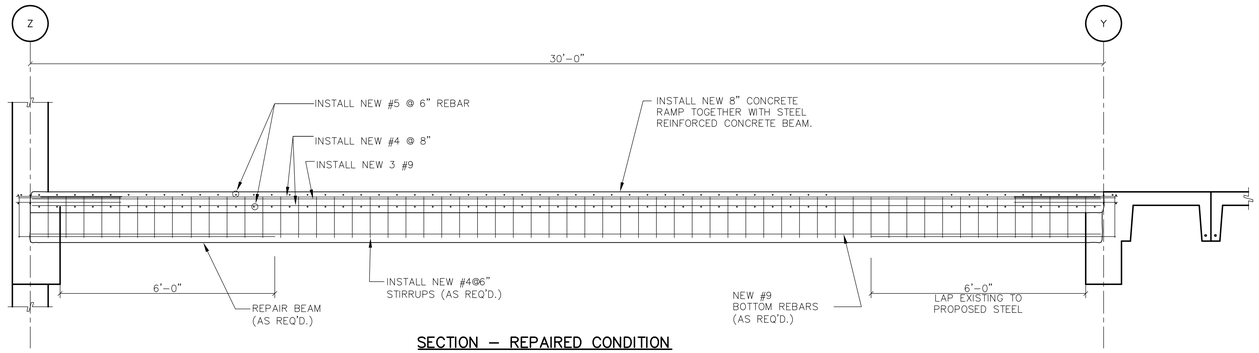
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
NORTH AND SOUTH RAMP ELEVATIONS AT LINE X (EXISTING AND REPAIRED CONDITION)



SECTION – EXISTING CONDITION

SCALE: ½" = 1'-0"

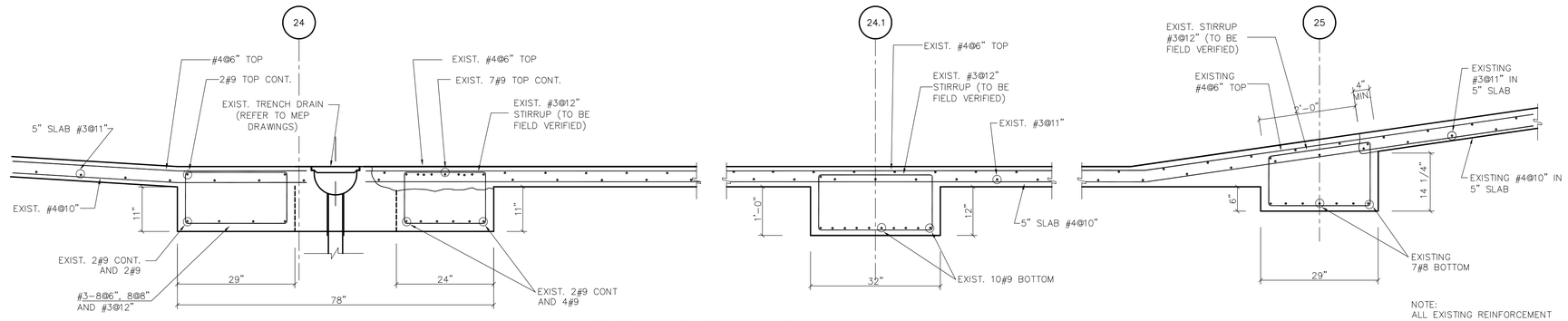
1



SECTION – REPAIRED CONDITION

SCALE: ½" = 1'-0"

2

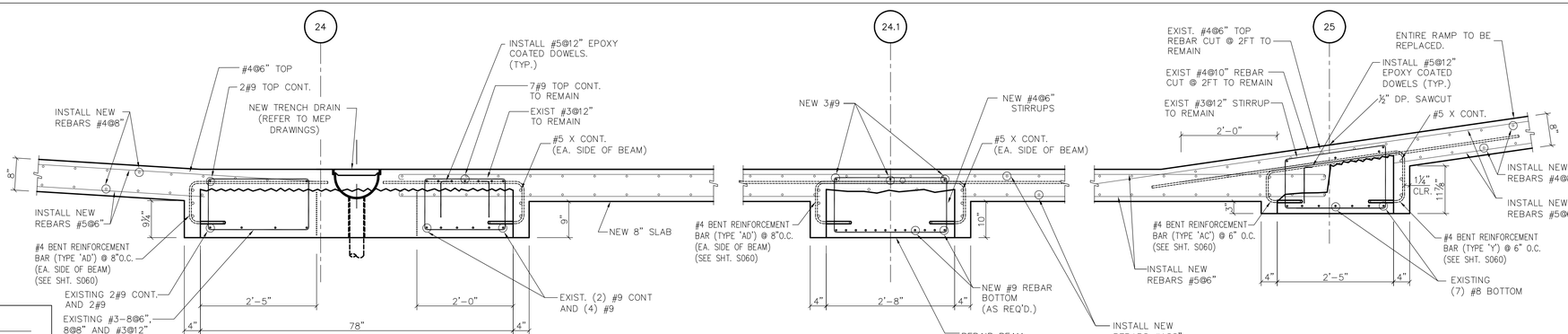


NOTE:
ALL EXISTING REINFORCEMENT TO BE FIELD VERIFIED.

SECTION – EXISTING CONDITION

SCALE: ¾" = 1'-0"

3



SECTION – REPAIRED CONDITION

SCALE: ¾" = 1'-0"

4

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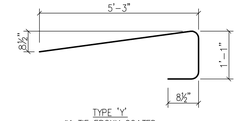
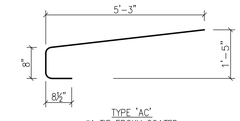
4. PROTECT EXISTING REINFORCING WHILE REMOVING CONCRETE SLAB.

#4 BENT REINFORCING BARS



TYPE 'Y'
#4 TIE EPOXY COATED



TYPE 'AC'
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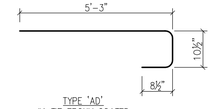

TYPE 'AD'
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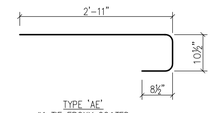

TYPE 'AE'
#4 TIE EPOXY COATED

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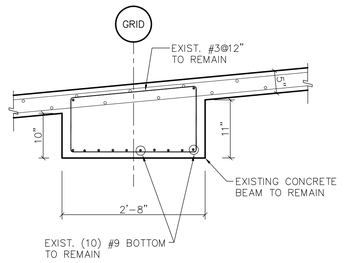
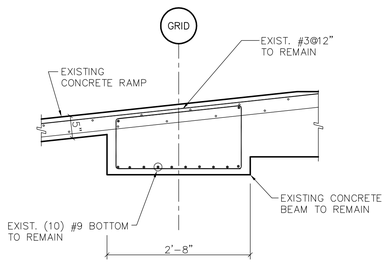
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
RAMP DETAILS & SECTIONS



EXISTING BEAM & EXISTING SLAB

SCALE: ¾" = 1'-0"

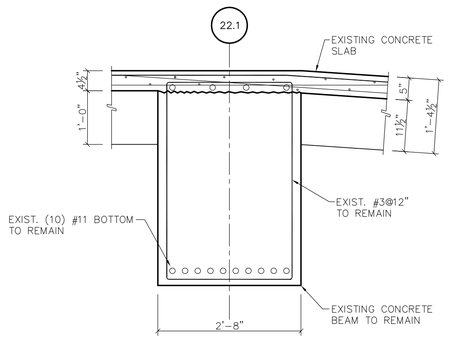
5



EXISTING BEAM & EXISTING SLAB

SCALE: ¾" = 1'-0"

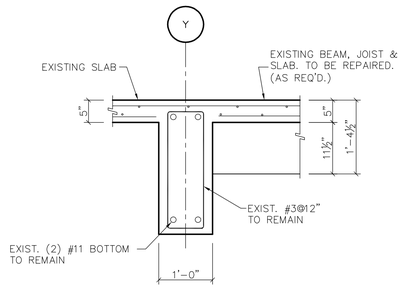
9



EXISTING BEAM & EXISTING SLAB

SCALE: ¾" = 1'-0"

13



EXISTING BEAM & EXISTING SLAB

SCALE: ¾" = 1'-0"

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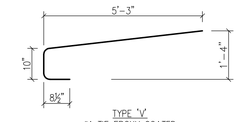
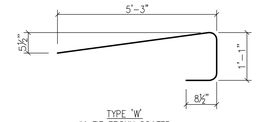
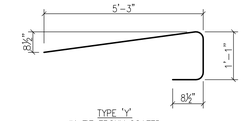


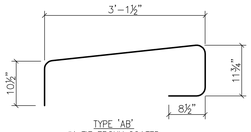
TYPE 'V'
#4 TIE EPOXY COATED



TYPE 'W'
#4 TIE EPOXY COATED



TYPE 'Y'
#4 TIE EPOXY COATED



TYPE 'AB'
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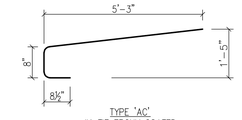
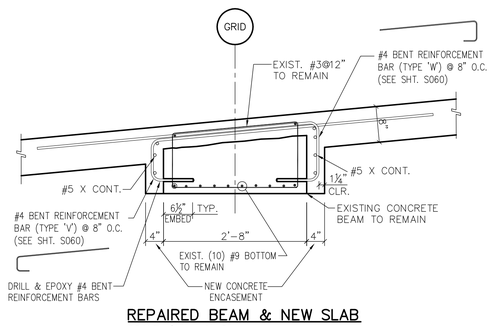


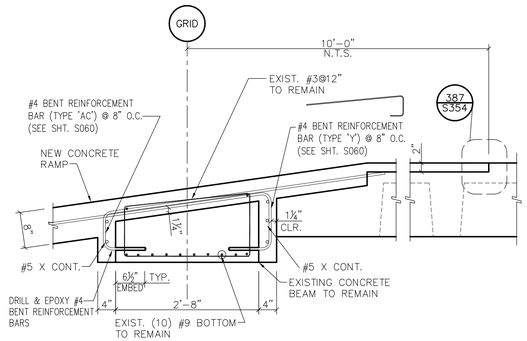
TYPE 'AC'
#4 TIE EPOXY COATED



REPAIRED BEAM & NEW SLAB

SCALE: ¾" = 1'-0"

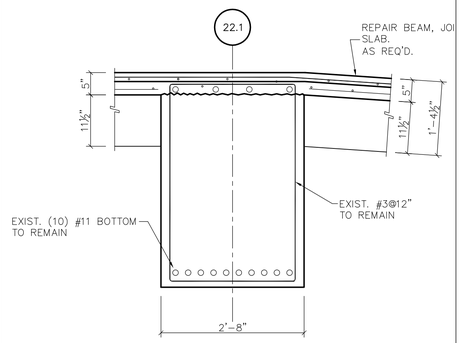
6



REPAIRED BEAM & NEW SLAB

SCALE: ¾" = 1'-0"

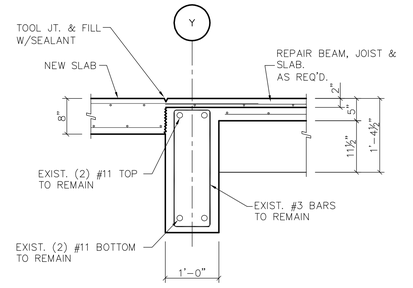
10



REPAIRED BEAM & NEW SLAB

SCALE: ¾" = 1'-0"

14

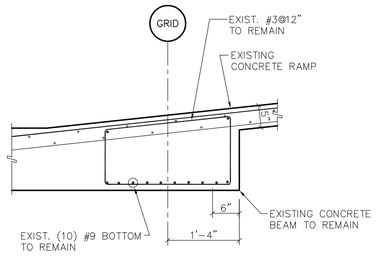


REPAIRED BEAM & REPAIRED SLAB

SCALE: ¾" = 1'-0"

NOTE:
REFER TO 8/S162A FOR NEW SLAB REINFORCING

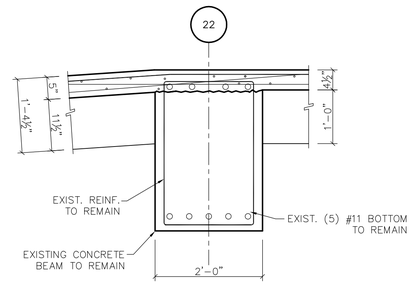
18



EXISTING BEAM & EXISTING SLAB

SCALE: ¾" = 1'-0"

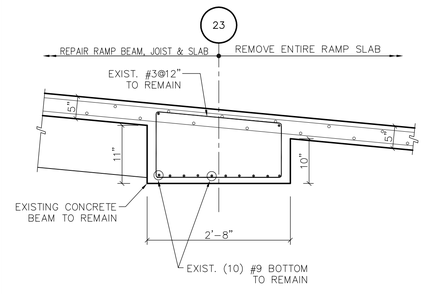
7



EXISTING BEAM & EXISTING SLAB

SCALE: ¾" = 1'-0"

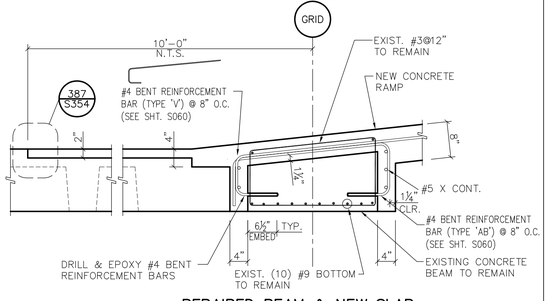
11



EXISTING BEAM & EXISTING SLAB

SCALE: ¾" = 1'-0"

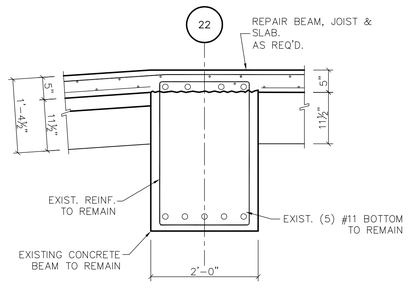
15



REPAIRED BEAM & NEW SLAB

SCALE: ¾" = 1'-0"

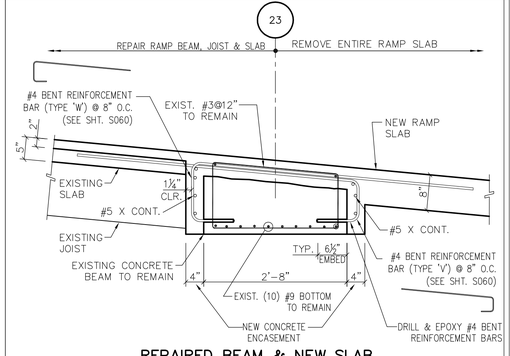
8



REPAIRED BEAM & NEW SLAB

SCALE: ¾" = 1'-0"

12



REPAIRED BEAM & NEW SLAB

SCALE: ¾" = 1'-0"

16

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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	7/23/2020	DS	JC	FOR COMMISSIONER MEETING

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PROJECT COORDINATOR
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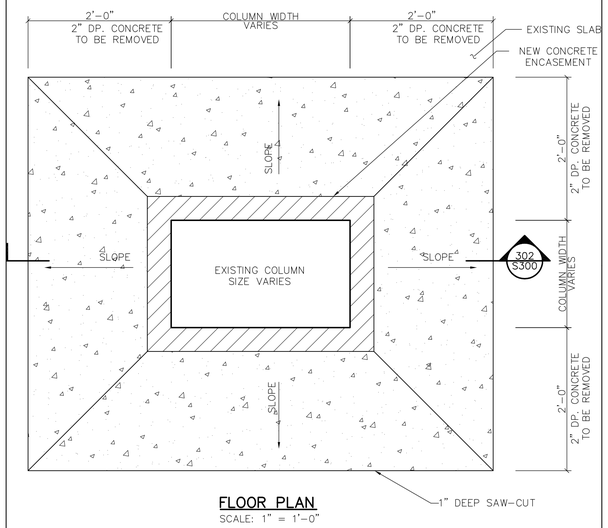
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

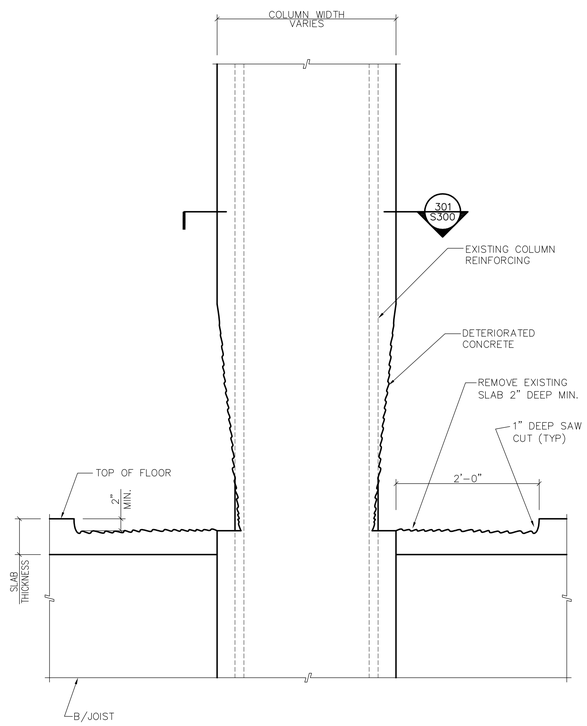
CONTRACT NUMBER 19-515
SHEET NUMBER S181
SHEET NO. 53 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-400-0
REV. 0

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

RAMP DETAILS & SECTIONS

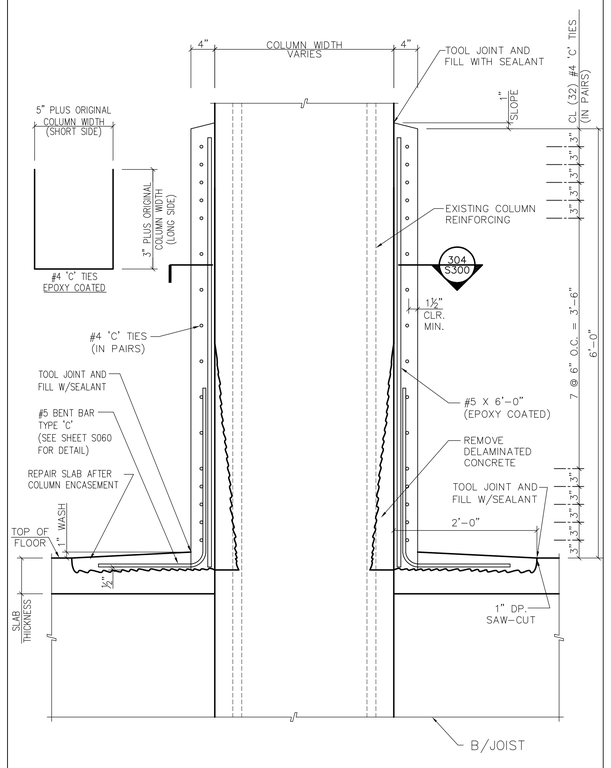


FLOOR PLAN
SCALE: 1" = 1'-0"



EXISTING COLUMN
SCALE: 1" = 1'-0"

PROVIDE SHORING BEFORE PERFORMING WORK.

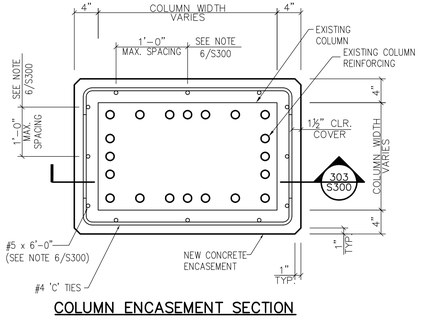


COLUMN REPAIR & ENCASEMENT
SCALE: 1" = 1'-0"

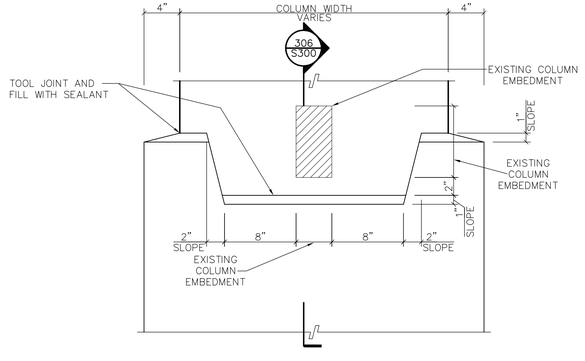
SEE DETAIL 306 SHEET S300 FOR ADDITIONAL INFORMATION ON BLOCKOUTS IN COLUMN ENCASEMENT FOR EXISTING EMBEDMENTS.

COLUMN ENCASEMENT NOTES:

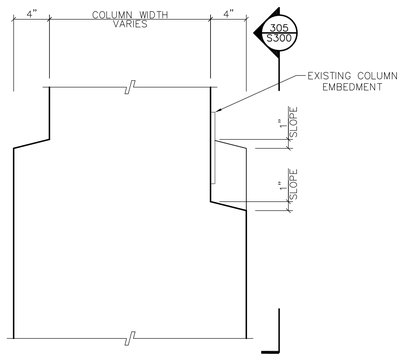
1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. EXISTING COLUMN SIZE VARIES. COLUMNS ARE EITHER SQUARE OR RECTANGULAR.
3. REMOVE DETERIORATED CONCRETE AROUND COLUMNS.
4. PROVIDE POST SHORING AT 4'-0" FROM EXISTING COLUMN FACE TO THE LEVEL BELOW FOR BEAMS AND JOISTS FRAMING INTO COLUMN.
5. #4 TIES SHALL BE INSTALLED FROM OPPOSITE SIDES OF THE COLUMN.
6. AT SLAB LEVEL, ADD #5 BENT BARS (SEE 303/S300) ADJACENT AT EACH VERTICAL #5 X 6'-0" BAR AND MAINTAIN THE 1½" MINIMUM COVER.
7. THE #5 X 6'-0" BARS SHALL BE SPACED AT 1'-0" OR LESS. ADD #5 X 6'-0" BARS AS REQUIRED.
8. SEE SHEET S040 FOR ADDITIONAL NOTES.
9. CARE MUST BE TAKEN WHEN REMOVING DELAMINATIONS IN ALL CONCRETE ELEMENTS DUE TO PRESENCE OF CONDUIT.



COLUMN ENCASEMENT SECTION
SCALE: 1" = 1'-0"



BLOCK OUT ELEVATION
EXISTING COLUMN EMBEDMENT
SCALE: 1½" = 1'-0"



BLOCK OUT SECTION
SCALE: 1½" = 1'-0"

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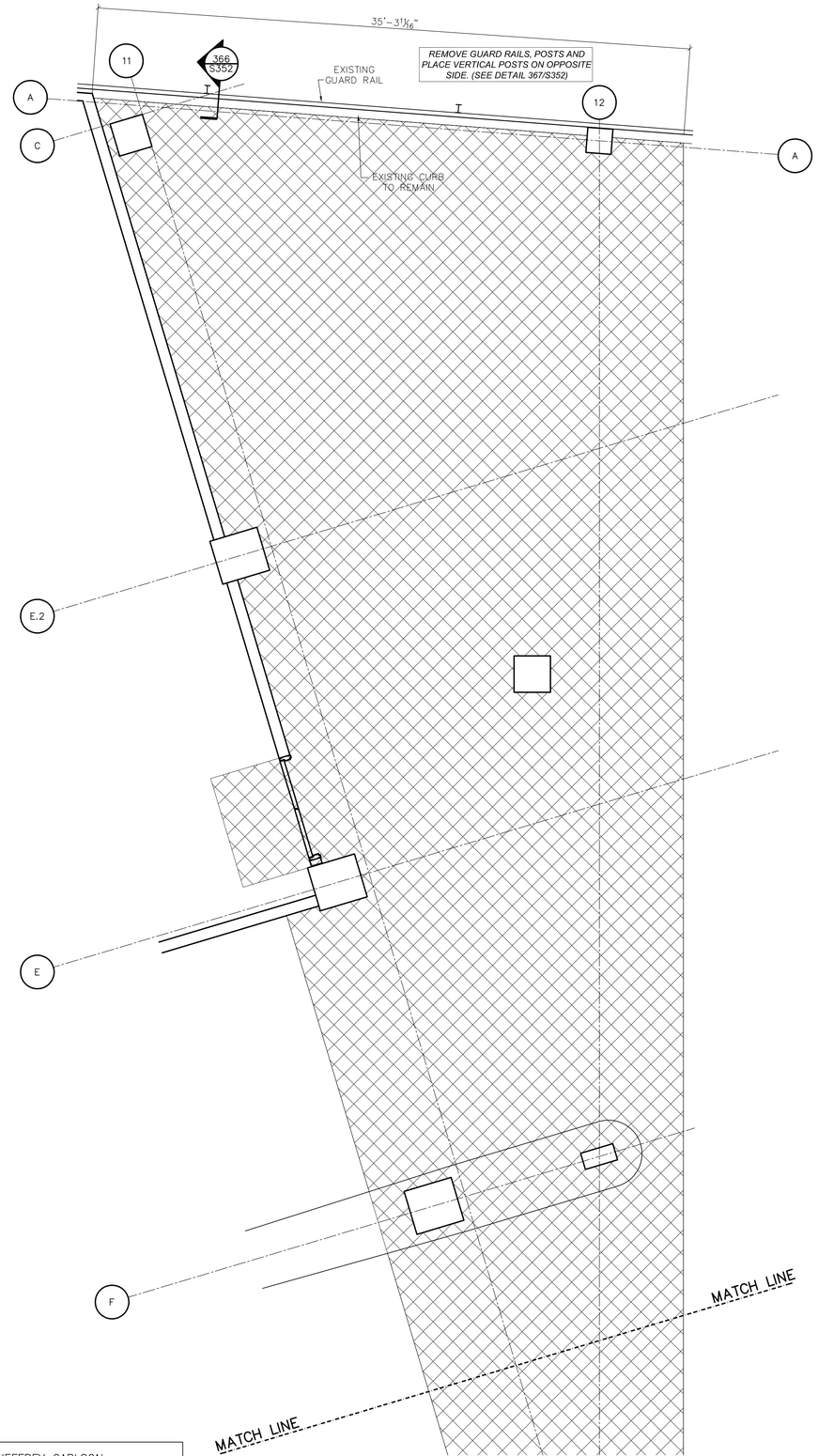
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER: 19-515
SHEET NUMBER: S300
SHEET NO. 54 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-401-0
REV.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
TYPICAL COLUMN ENCASEMENT REPAIR DETAILS



EXISTING SLAB DETERIORATION PLAN – LEVEL B3

SCALE: ¼" = 1'-0"

IN CHARGE OF	JEFFREY CARLSON
CHECKED BY	WOJCIECH TROCKI
MADE BY	DAN STEVENS

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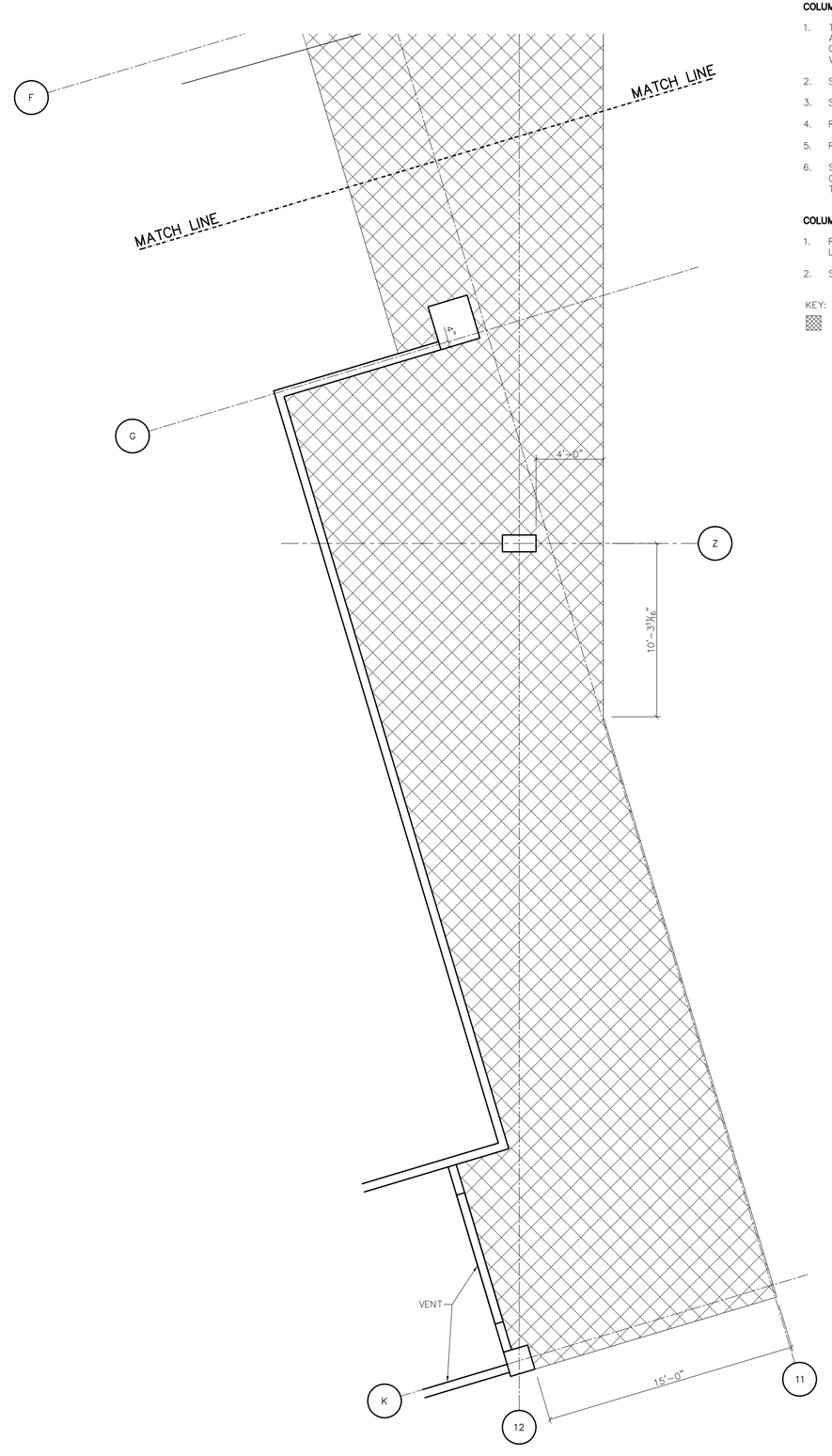

EXISTING SLAB DETERIORATION PLAN – LEVEL B3

SCALE: ¼" = 1'-0"

B

COLUMN ENCASEMENT NOTES:

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2. SEE SHEET S300 FOR COLUMN ENCASEMENT NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. REFER TO COLUMN E11 (L11) REPAIR SHEETS S302, S303 & S304.
5. REFER TO ADDITIONAL COLUMN REPAIR SHEETS S307 & S308.
6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.

KEY:

▨ = EXISTING SLAB DETERIORATION

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CONTRACT NUMBER: 19-515
SHEET NUMBER: S301
SHEET NO. 85 OF 87
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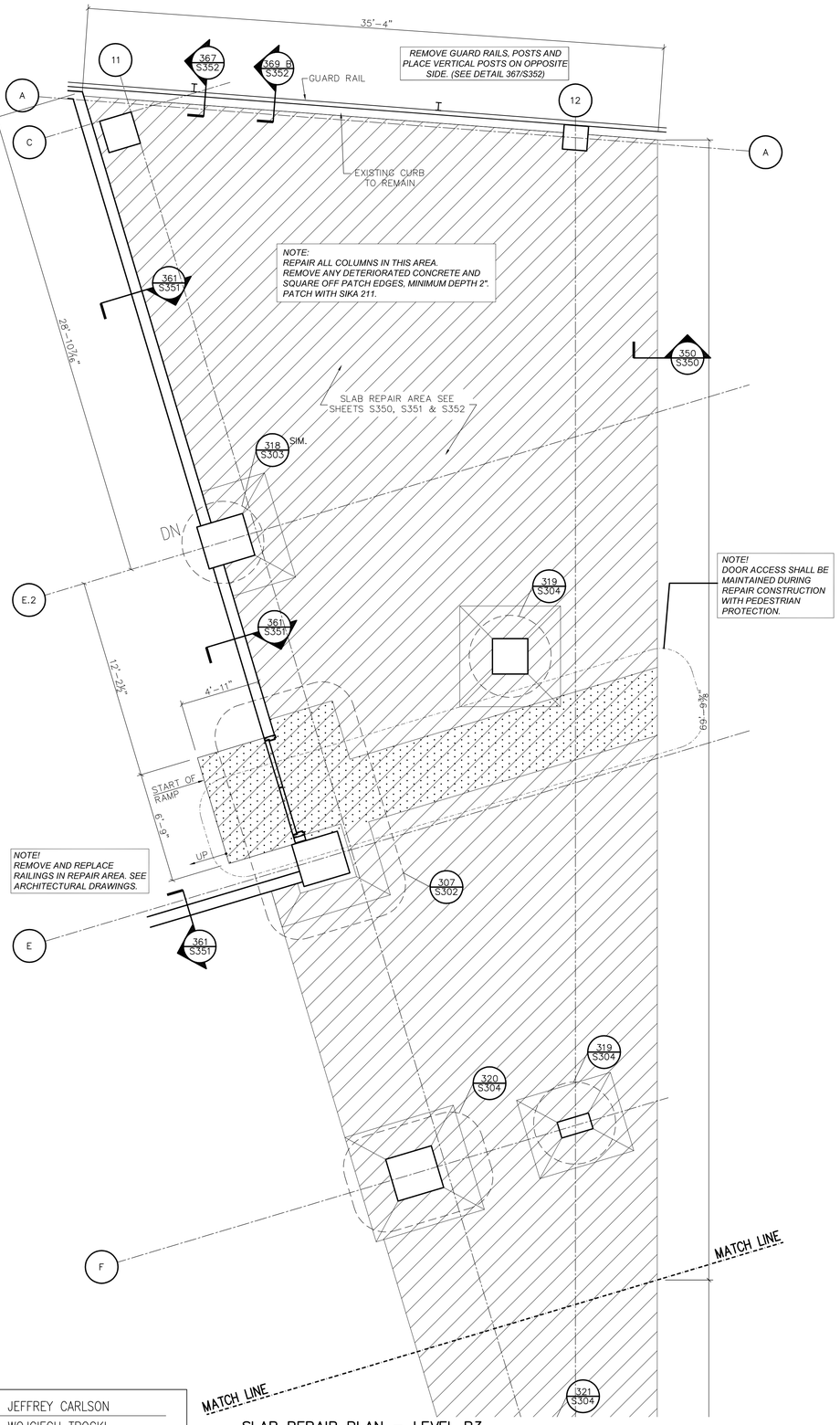
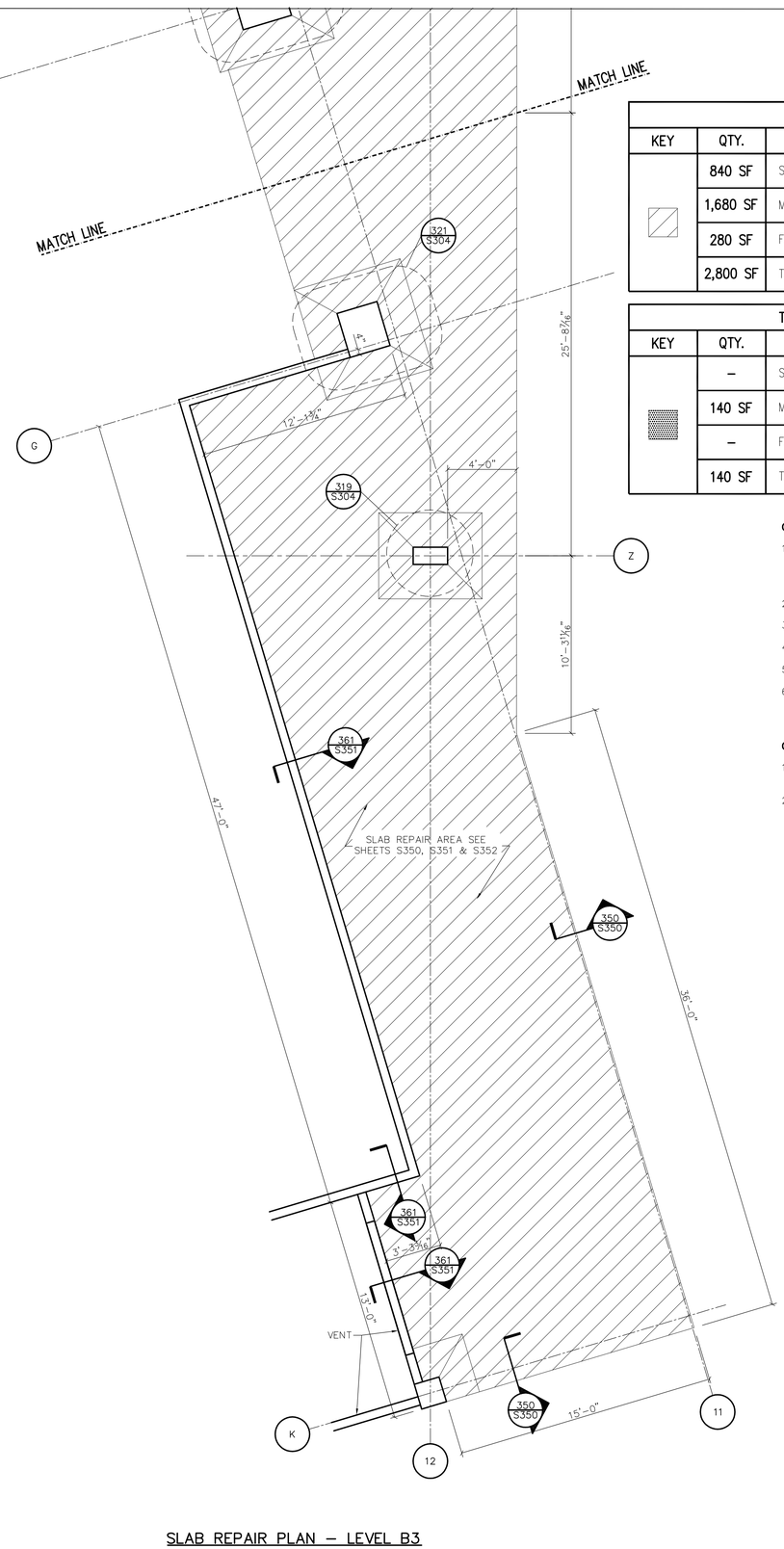
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
EXISTING SLAB DETERIORATION PLAN – LEVEL B3



SLAB REPAIR PLAN – LEVEL B3

SCALE: ¼" = 1'-0"

A



SLAB REPAIR PLAN – LEVEL B3

SCALE: ¼" = 1'-0"

B

TOTAL SLAB AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	840 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	350/S350 351/S350 360/S351 367/S352 369B/S352
	1,680 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	280 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
	2,800 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL DOOR ACCESS AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	–	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	–
	140 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	–	FULL REPAIR AREA IN SQUARE FEET (SF)	
	140 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

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6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

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2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.

IN CHARGE OF JEFFREY CARLSON
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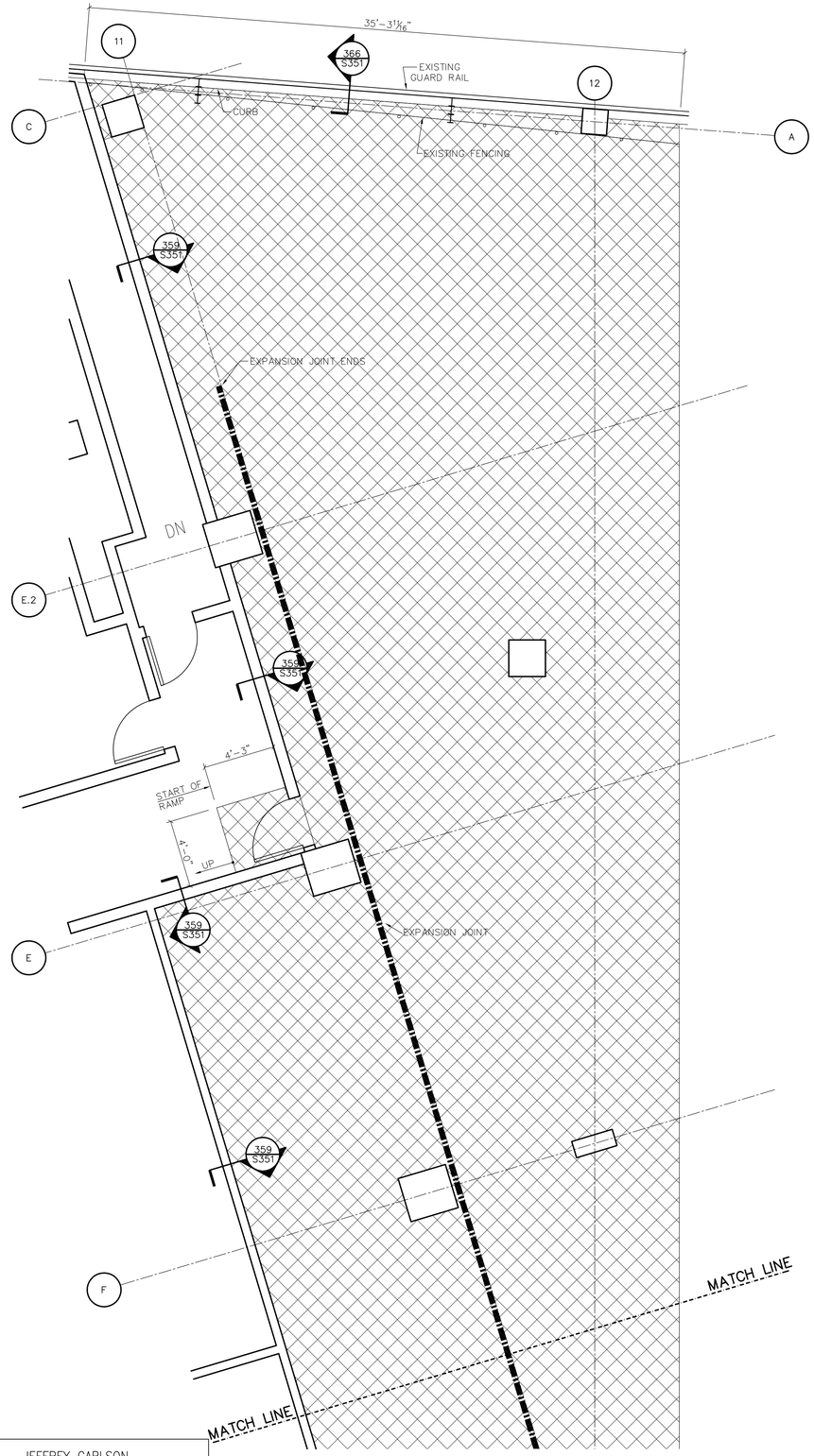
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SLAB REPAIR PLAN – LEVEL B3

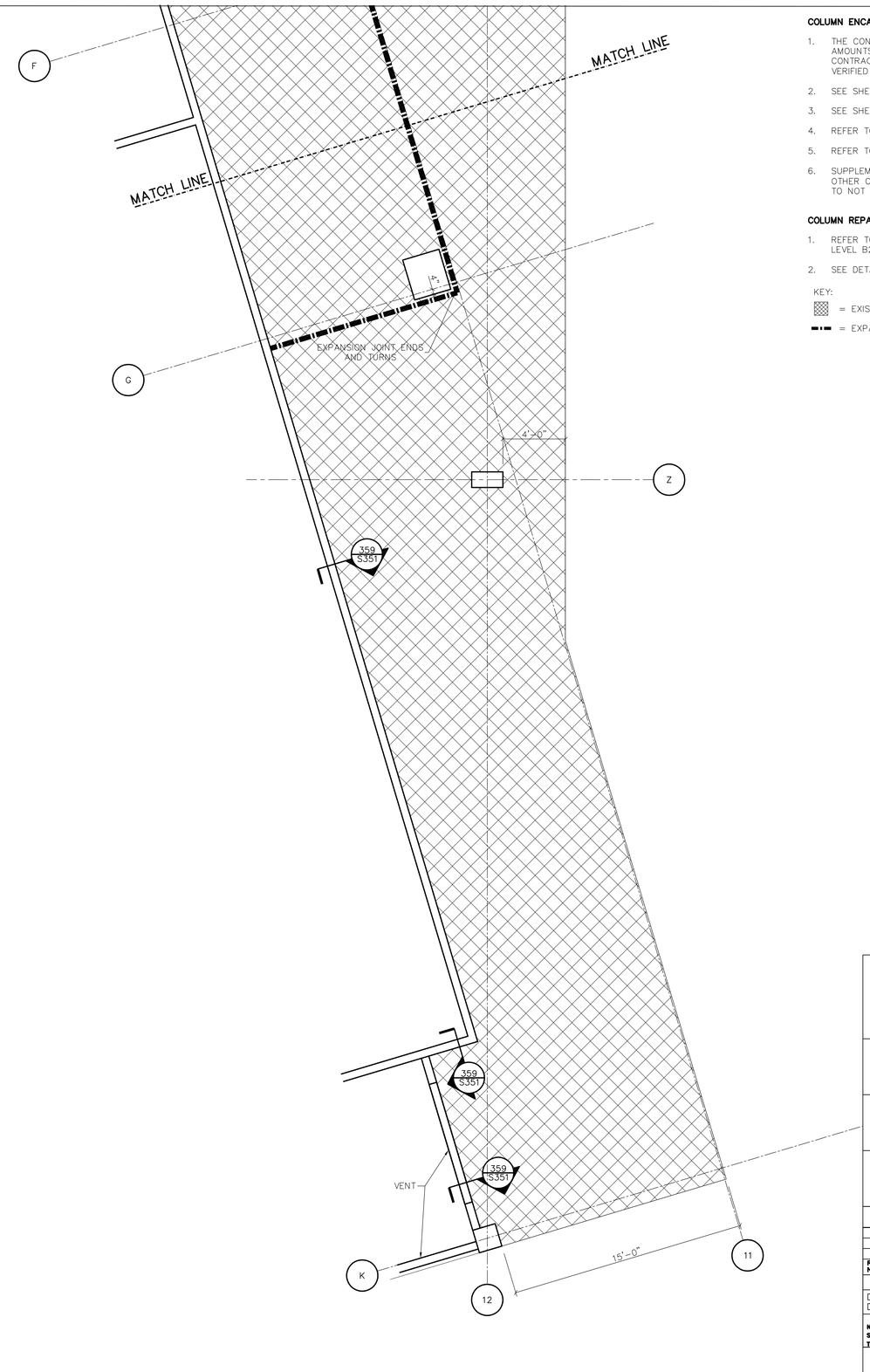
CONTRACT NUMBER: 19-515
SHEET NUMBER: S301A
SHEET NO. 56 OF 87
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-403-0
REV. NO.



EXISTING SLAB DETERIORATION AND EXPANSION JOINT PLAN – LEVEL B2

SCALE: ¼" = 1'-0"

A



EXISTING SLAB DETERIORATION AND EXPANSION JOINT PLAN – LEVEL B2

SCALE: ¼" = 1'-0"

B

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2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.

KEY:

= EXISTING SLAB DETERIORATION

= EXPANSION JOINT

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MADE BY DAN STEVENS

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HOPEWELL JUNCTION, NY 12533
914-509-8161 (O)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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☐ AS BUILT – CHANGES AS NOTED
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CONTRACTOR
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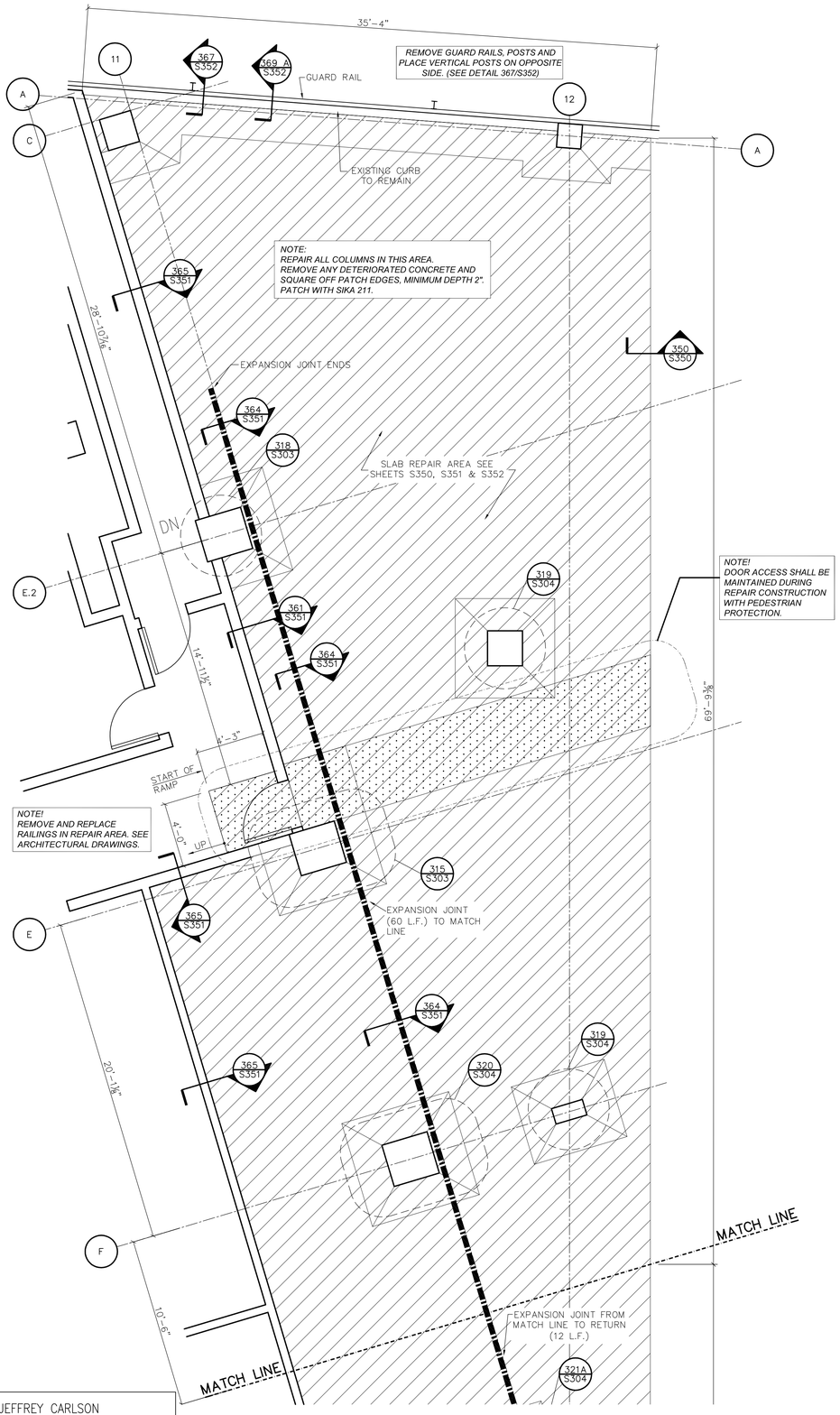
SIGNATURE
TITLE
DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

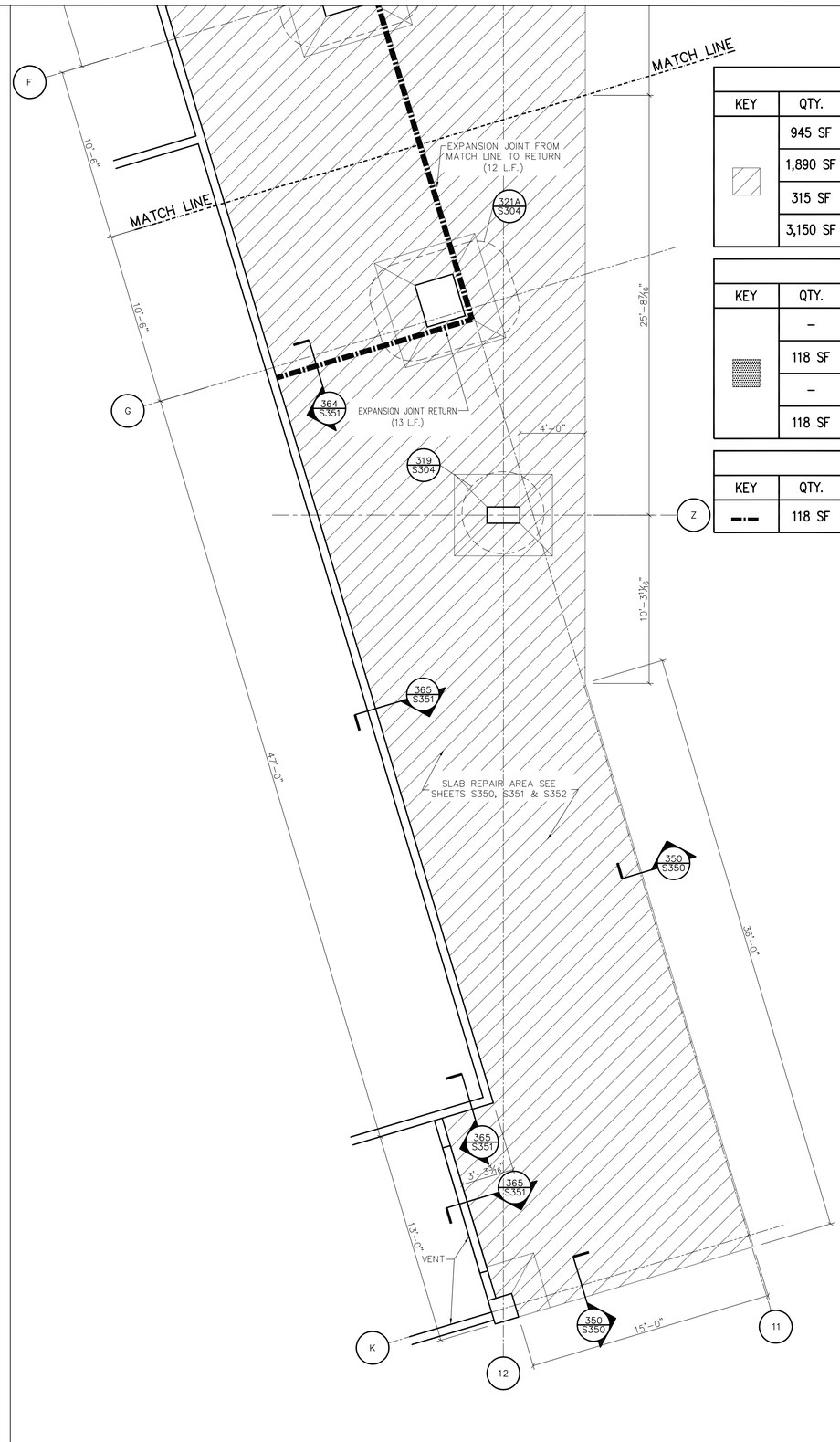
CONTRACT NUMBER 19-515
SHEET NUMBER S301B
SHEET NO. 57 OF 97
SCALE: AS NOTED
DATE: 7-15-2020
DPW FILE NO. 52-01-S-404-0
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
EXISTING SLAB DETERIORATION AND EXPANSION JOINT PLAN – LEVEL B2



SLAB AND EXPANSION JOINT REPAIR PLAN – LEVEL B2

SCALE: ¼" = 1'-0"



SLAB AND EXPANSION JOINT REPAIR PLAN – LEVEL B2

SCALE: ¼" = 1'-0"

TOTAL SLAB AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	945 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	350/S350 351/S350 361/S351 365/S351 367/S352 369A/S352
	1,890 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	315 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	
	3,150 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL DOOR ACCESS AREA REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	–	SHALLOW REPAIR AREA IN SQUARE FEET (SF)	–
	118 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	
	–	FULL REPAIR AREA IN SQUARE FEET (SF)	
	118 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)	

TOTAL EXPANSION JOINT REPAIR – PHASE 1			
KEY	QTY.	DESCRIPTION	DETAILS
	118 SF	TOTAL EXPANSION JOINT REPAIR IN LINEAR FEET (LF)	362/S352 364/S352

COLUMN ENCASEMENT NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE SHEET S300 FOR COLUMN ENCASEMENT NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. REFER TO COLUMN E11 (L11) REPAIR SHEETS S302, S303 & S304.
5. REFER TO ADDITIONAL COLUMN REPAIR SHEETS S307 & S308.
6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

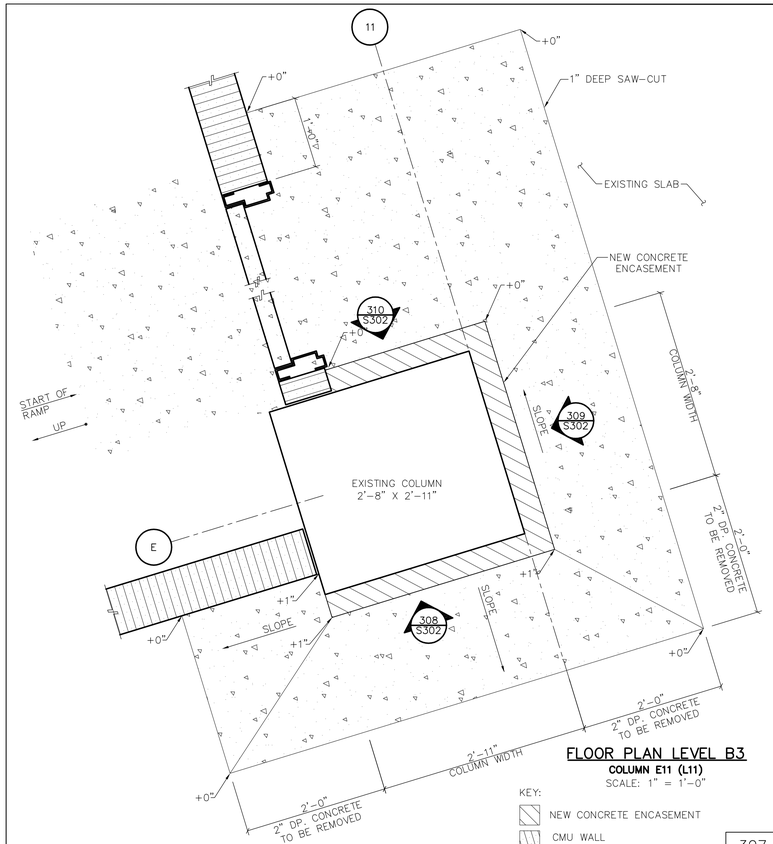
SLAB AND EXPANSION JOINT REPAIR PLAN – LEVEL B2

CONTRACT NUMBER: 19-515
SHEET NUMBER: S301C
SHEET NO. 58 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-405-0
REV. NO.:

IN CHARGE OF: JEFFREY CARLSON
CHECKED BY: WOJCIECH TROCKI
MADE BY: DAN STEVENS

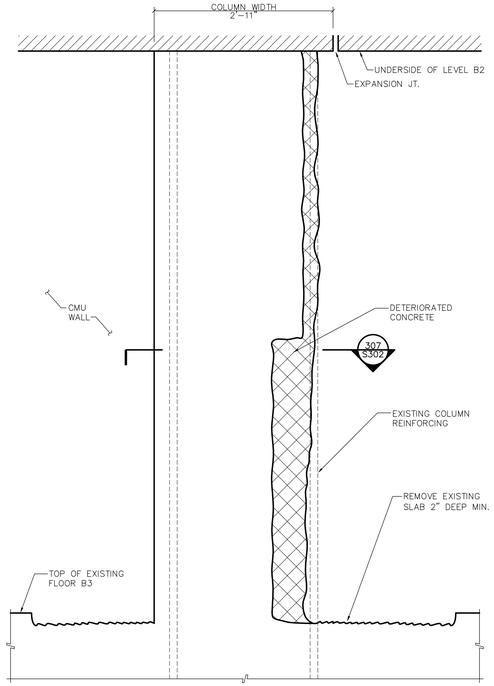
A

B



FLOOR PLAN LEVEL B3
COLUMN E11 (L11)
SCALE: 1" = 1'-0"

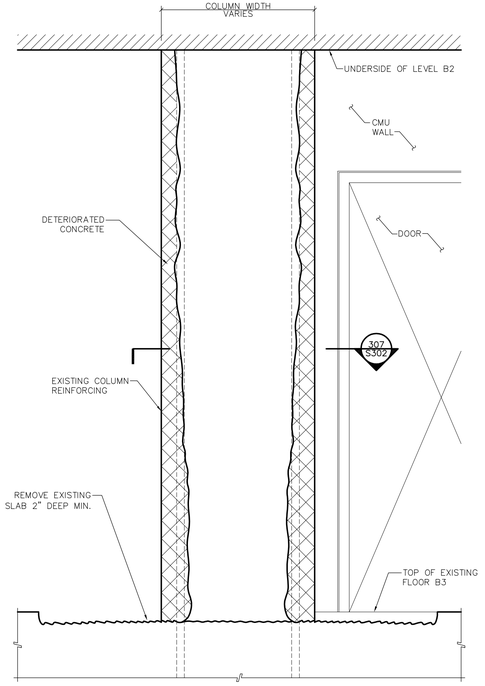
307



EXISTING COLUMN
SOUTH SIDE
SCALE: 1" = 1'-0"

KEY:
DETERIORATED CONCRETE FOR REPAIR

308



EXISTING COLUMN
EAST SIDE
SCALE: 1" = 1'-0"

PROVIDE SHORING BEFORE PERFORMING WORK.

KEY:
DETERIORATED CONCRETE FOR REPAIR

309

COLUMN ENCASEMENT NOTES:

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3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
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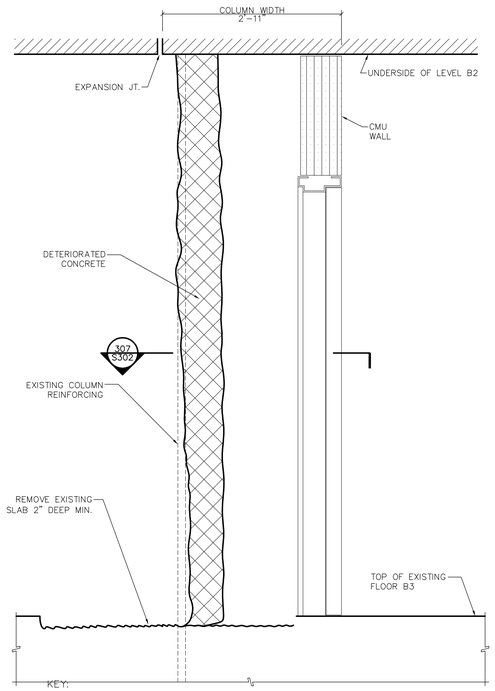
5. REFER TO ADDITIONAL COLUMN REPAIR SHEETS S307 & S308.
6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.



EXISTING COLUMN
NORTH SIDE
SCALE: 1" = 1'-0"

310

311

312

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

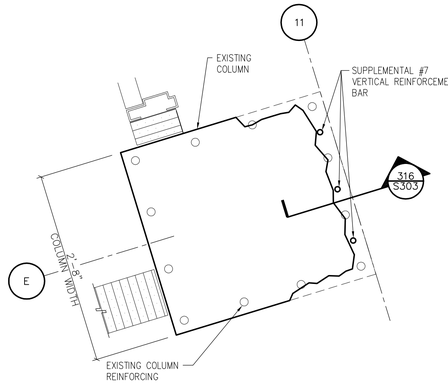
CONTRACT NUMBER 19-515
SHEET NUMBER S302
SHEET NO. 59 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SCALE: AS NOTED
DATE: 7-23-2020

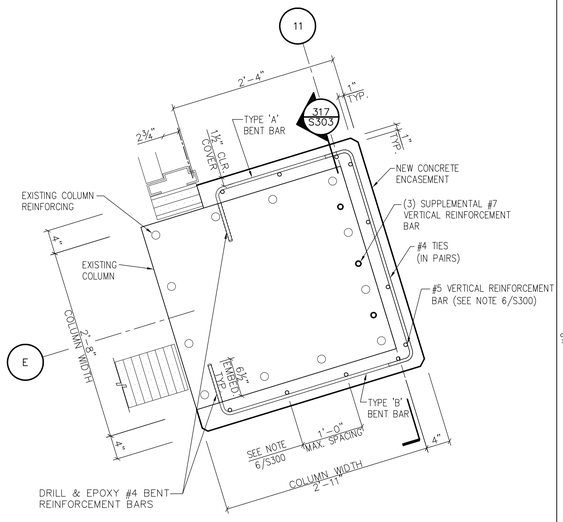
COLUMN E11 (L11) ENCASEMENT REPAIR DETAILS

DPW FILE NO. 52-01-S-406-0
REV. NO.



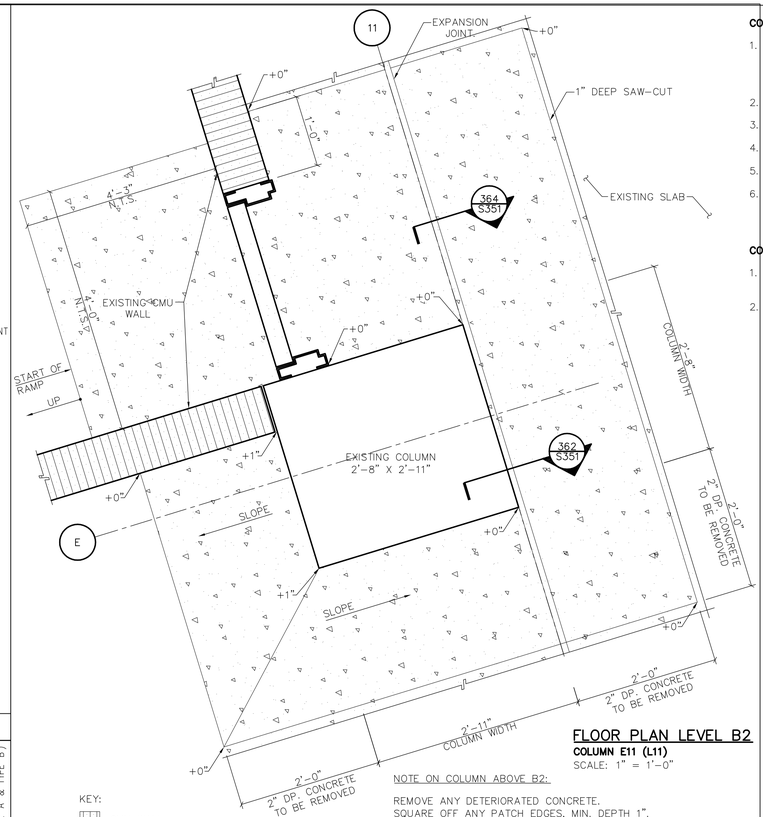
SUPPLEMENTAL COLUMN REINFORCING
COLUMN E11 (L11)
SCALE: 1" = 1'-0"

KEY:
CMU WALL



COLUMN ENCASEMENT SECTION
COLUMN E11 (L11)
SCALE: 1" = 1'-0"

KEY:
CMU WALL



FLOOR PLAN LEVEL B2
COLUMN E11 (L11)
SCALE: 1" = 1'-0"

NOTE ON COLUMN ABOVE B2:

REMOVE ANY DETERIORATED CONCRETE.
SQUARE OFF ANY PATCH EDGES, MIN. DEPTH 1".
PATCH WITH SIKA 211.
CHASE CRACKS W/GRINDER AND PATCH WITH SIKA 211.

KEY:
CMU WALL

COLUMN ENCASEMENT NOTES:

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COLUMN REPAIR NOTES:

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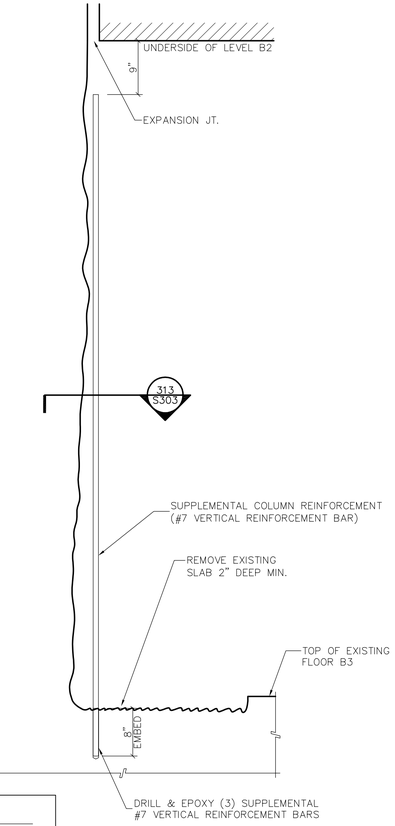
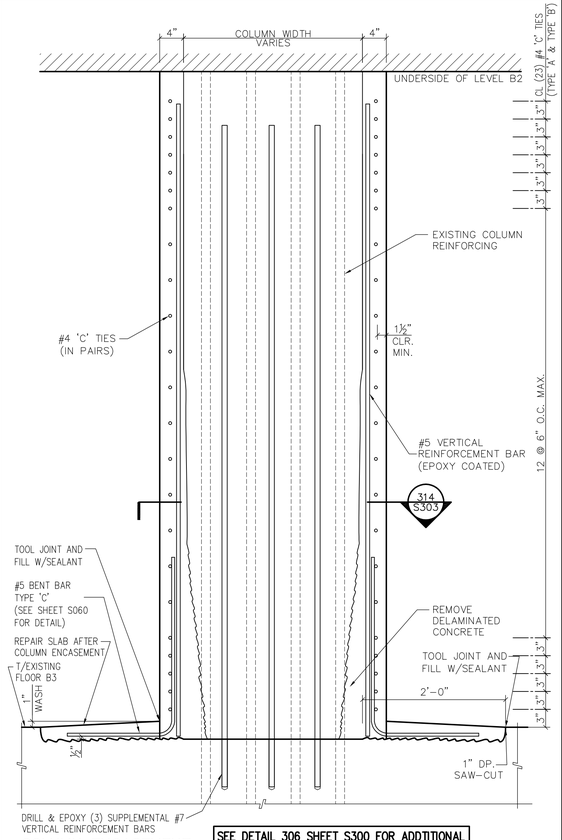
2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.



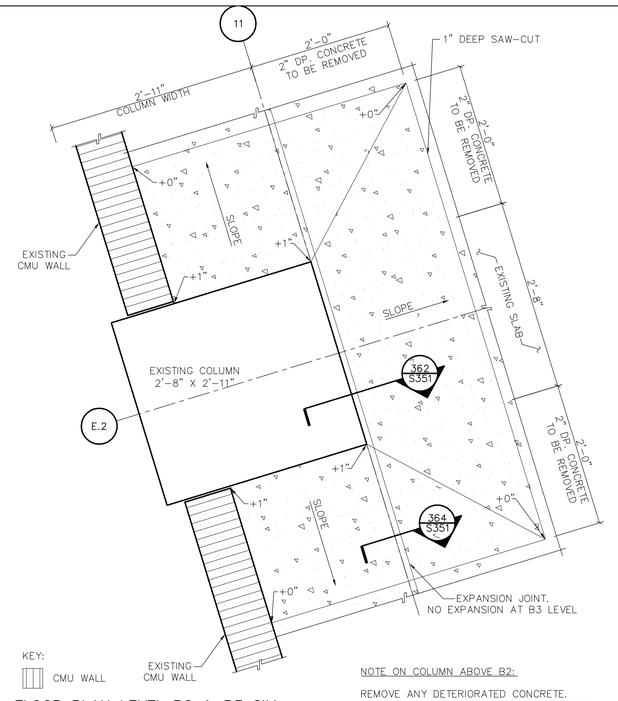
SUPPLEMENTAL REINFORCEMENT SECTION
SCALE: 1" = 1'-0"

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS



COLUMN ENCASEMENT
COLUMN E11 (L11)
SCALE: 1" = 1'-0"

SEE DETAIL 306 SHEET S300 FOR ADDTITIONAL INFORMATION ON BLOCKOUTS IN COLUMN ENCASEMENT FOR EXISTING EMBEDMENTS.



KEY:
CMU WALL

FLOOR PLAN LEVEL B2 & B3 SIM.
COLUMN E.2/11
SCALE: 1" = 1'-0"

NOTE ON COLUMN ABOVE B2:

REMOVE ANY DETERIORATED CONCRETE.
SQUARE OFF ANY PATCH EDGES, MIN. DEPTH 1".
PATCH WITH SIKA 211.

CHASE CRACKS W/GRINDER AND PATCH WITH SIKA 211.

NOTE: EXPANSION JOINT AT B2 LEVEL ONLY!

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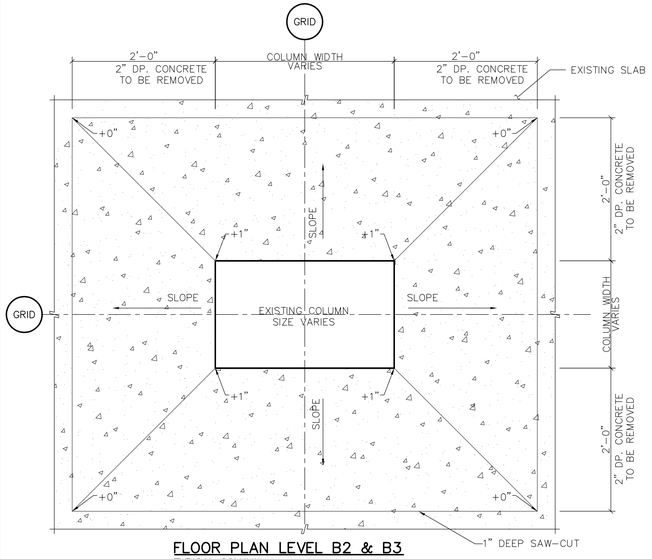
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER S303
SHEET NO. 00 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-407-0
REV. 0

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

COLUMN E11 (L11) ENCASEMENT REPAIR DETAILS LEVEL B2 COLUMN & SLAB REPAIR DETAILS



FLOOR PLAN LEVEL B2 & B3

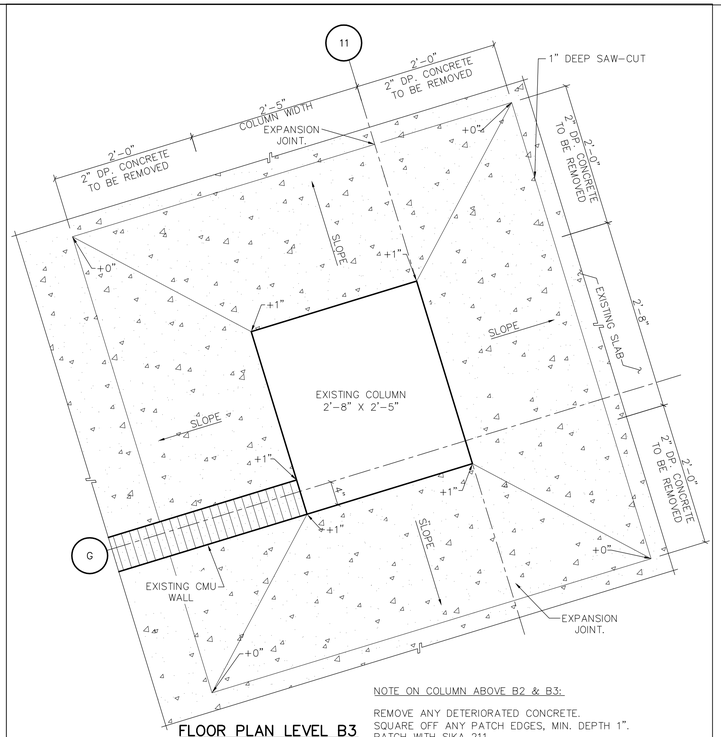
TYPICAL COLUMN

SCALE: 1" = 1'-0"

NOTE ON COLUMN ABOVE B2 & B3:

REMOVE ANY DETERIORATED CONCRETE.
SQUARE OFF ANY PATCH EDGES, MIN. DEPTH 1".
PATCH WITH SIKA 211.

CHASE CRACKS W/GRINDER AND PATCH WITH SIKA 211.



FLOOR PLAN LEVEL B3

COLUMN G/11

SCALE: 1" = 1'-0"

NOTE ON COLUMN ABOVE B2 & B3:

REMOVE ANY DETERIORATED CONCRETE.
SQUARE OFF ANY PATCH EDGES, MIN. DEPTH 1".
PATCH WITH SIKA 211.

CHASE CRACKS W/GRINDER AND PATCH WITH SIKA 211.

KEY:

CMU WALL

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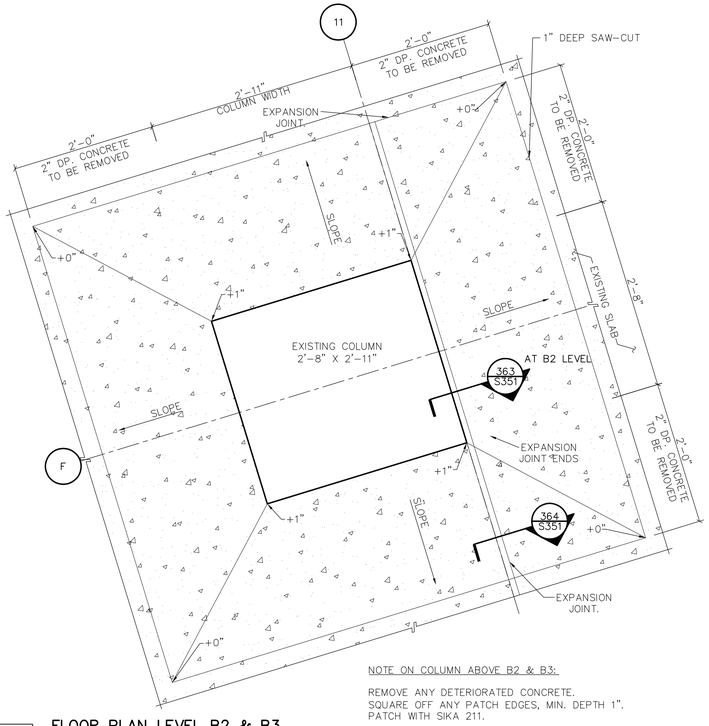


FLOOR PLAN LEVEL B2 & B3

COLUMN F/11

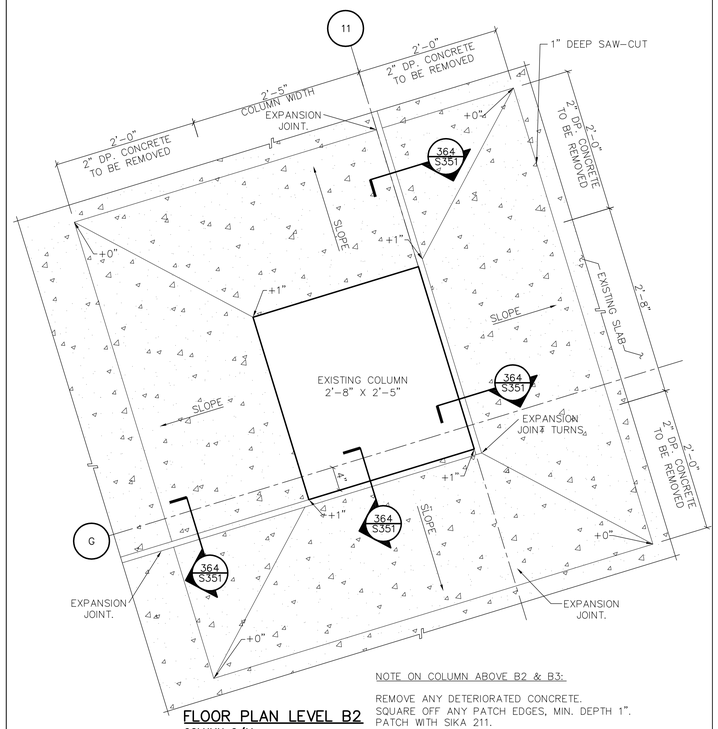
SCALE: 1" = 1'-0"

NOTE ON COLUMN ABOVE B2 & B3:

REMOVE ANY DETERIORATED CONCRETE.
SQUARE OFF ANY PATCH EDGES, MIN. DEPTH 1".
PATCH WITH SIKA 211.

CHASE CRACKS W/GRINDER AND PATCH WITH SIKA 211.

NOTE: EXPANSION JOINT AT B2 LEVEL ONLY!



FLOOR PLAN LEVEL B2

COLUMN G/11

SCALE: 1" = 1'-0"

NOTE ON COLUMN ABOVE B2 & B3:

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PATCH WITH SIKA 211.

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SHEET NUMBER S304
SHEET NO. 61 OF 87
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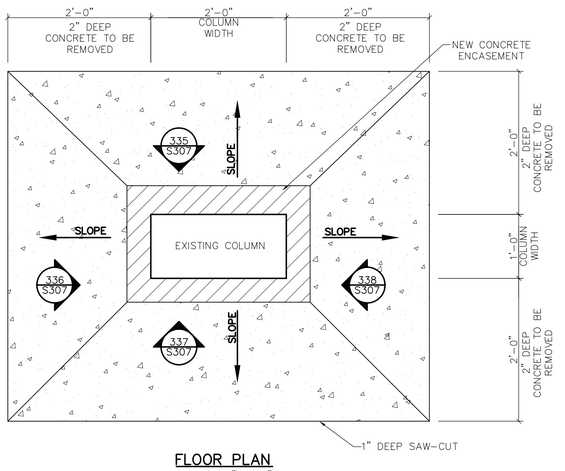
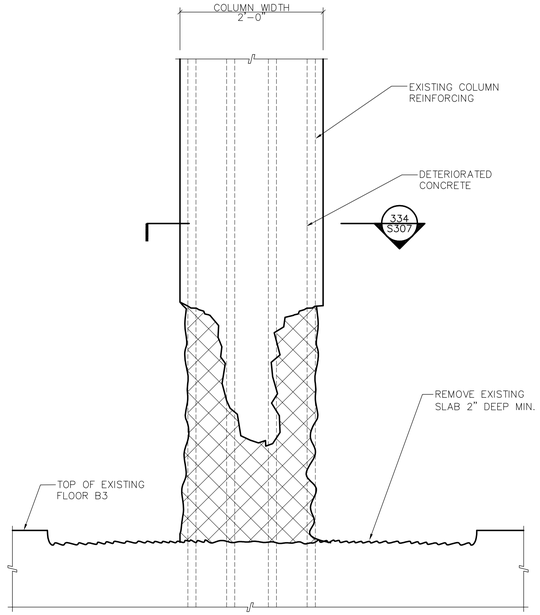
REV. NO.

PARKING GARAGE REHABILITATION – PHASE 1
MICHELIN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LEVEL B2 & B3 SLAB AND EXPANSION JOINT – REPAIR PLAN AND DETAILS



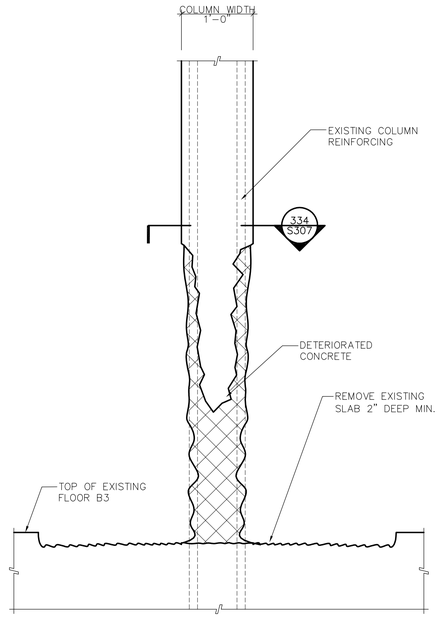
FLOOR PLAN
COLUMN 12" X 24"
SCALE: 1" = 1'-0"



EXISTING COLUMN 12" X 24"
SCALE: 1" =1'-0"

PROVIDE SHORING ON ALL SIDES OF COLUMN BEFORE PERFORMING WORK.

KEY:
DETERIORATED CONCRETE FOR REPAIR



EXISTING COLUMN 12" X 24"
SCALE: 1" =1'-0"

PROVIDE SHORING ON ALL SIDES OF COLUMN BEFORE PERFORMING WORK.

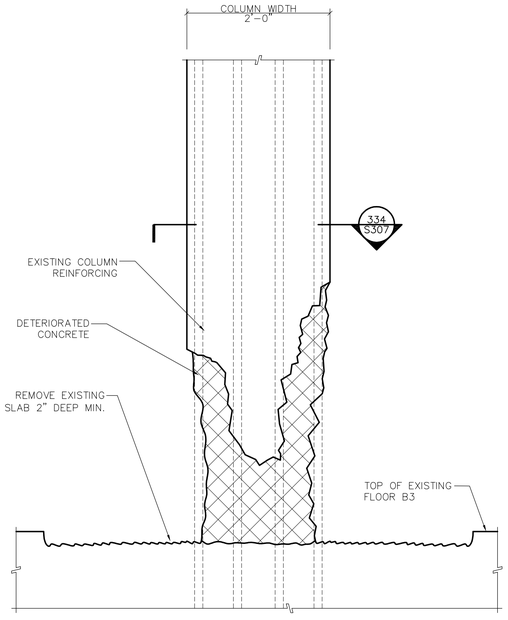
KEY:
DETERIORATED CONCRETE FOR REPAIR

COLUMN ENCASEMENT NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE SHEET S300 FOR COLUMN ENCASEMENT NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. REFER TO COLUMN E11 (L11) REPAIR SHEETS S302, S303 & S304.
5. REFER TO ADDITIONAL COLUMN REPAIR SHEETS S307 & S308.
6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.

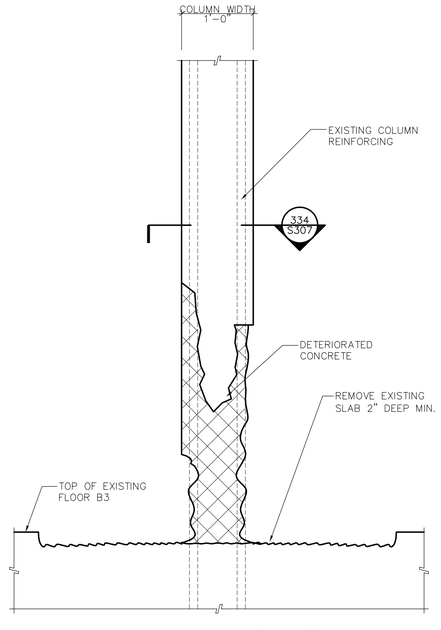


EXISTING COLUMN 12" X 24"
SCALE: 1" =1'-0"

PROVIDE SHORING ON ALL SIDES OF COLUMN BEFORE PERFORMING WORK.

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

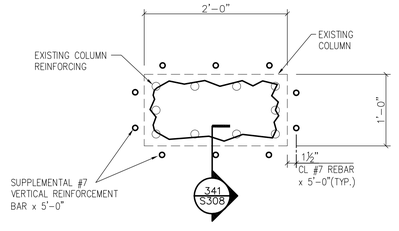
KEY:
DETERIORATED CONCRETE FOR REPAIR



EXISTING COLUMN 12" X 24"
SCALE: 1" =1'-0"

PROVIDE SHORING ON ALL SIDES OF COLUMN BEFORE PERFORMING WORK.

KEY:
DETERIORATED CONCRETE FOR REPAIR



SUPPLEMENTAL REINFORCING
COLUMN 12" X 24"
SCALE: 1" = 1'-0"

SEE DETAIL 340/S308 FOR SUPPLEMENTAL REBAR SPACING AND ADDITIONAL INFORMATION.

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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☐ AS BUILT – CHANGES AS NOTED
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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

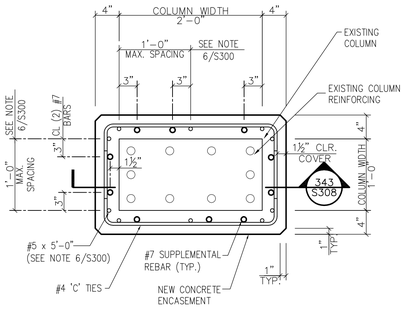
CONTRACT NUMBER 19-515
SHEET NUMBER S307
SHEET NO. 62 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SCALE: AS NOTED
DATE: 7-23-2020

ADDITIONAL COLUMN ENCASEMENT REPAIR DETAILS

DPW FILE NO. 52-01-S-409-0
REV. NO.

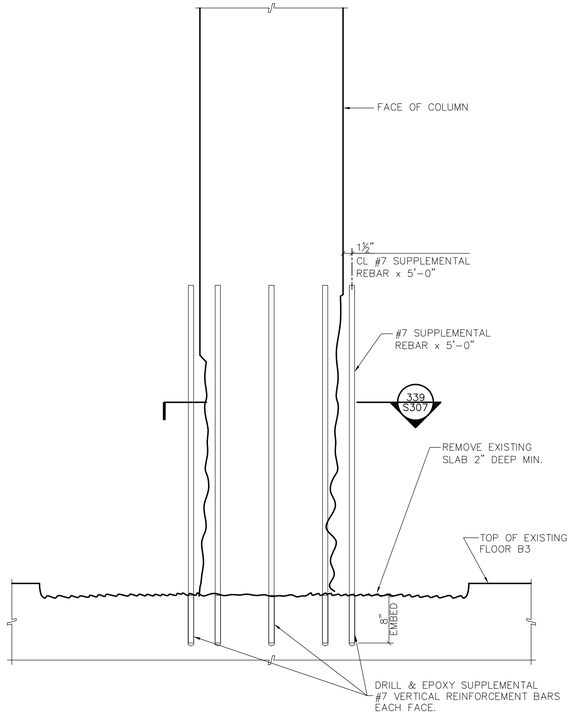


COLUMN ENCASEMENT SECTION

COLUMN 12" X 24"

NOTE:
SPACING FOR THE #7 SUPPLEMENTAL REBAR IS 8" MAX.

340



SUPPLEMENTAL REINFORCEMENT SECTION

SCALE: 1" = 1'-0"

341

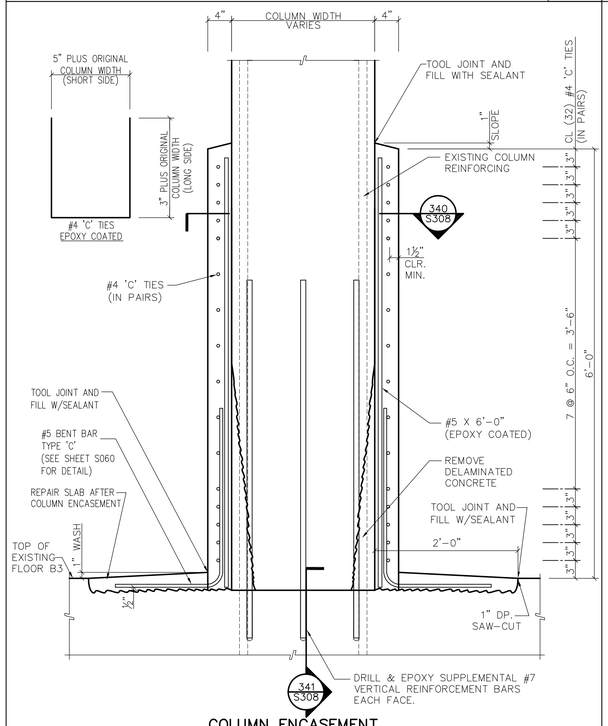
342

COLUMN ENCASEMENT NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
2. SEE SHEET S300 FOR COLUMN ENCASEMENT NOTES.
3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
4. REFER TO COLUMN E11 (L11) REPAIR SHEETS S302, S303 & S304.
5. REFER TO ADDITIONAL COLUMN REPAIR SHEETS S307 & S308.
6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.
3. CHASE CRACKS AND EPOXY INJECT.



COLUMN ENCASEMENT

COLUMN 12" X 24"

SCALE: 1" = 1'-0"

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH PAWLIK
MADE BY DAN STEVENS

SEE DETAIL 306 FOR ADDITIONAL INFORMATION ON BLOCKOUTS IN COLUMN ENCASEMENT FOR EXISTING EMBEDMENTS.

343

344

345

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

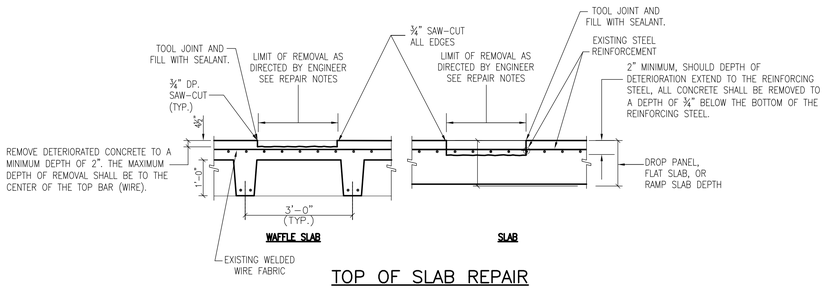
CONTRACT NUMBER 19-515
SHEET NUMBER S308
SHEET NO. 63 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SCALE: AS NOTED
DATE: 7-23-2020

ADDITIONAL COLUMN ENCASEMENT REPAIR DETAILS

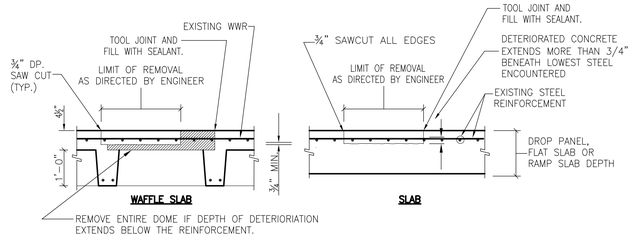
DPW FILE NO. 52-01-S-410-0
REV. NO.



TOP OF SLAB REPAIR

SCALE ½" = 1'-0"

NOTE:
INVESTIGATE AND LOCATE CONDUIT PRIOR TO REPAIRS. PROTECT CONDUIT FROM DAMAGE DURING CONSTRUCTION.



SLAB REPAIR

SCALE ½" = 1'-0"

NOTE:
INVESTIGATE AND LOCATE CONDUIT PRIOR TO REPAIRS. PROTECT CONDUIT FROM DAMAGE DURING CONSTRUCTION.

NOTES:

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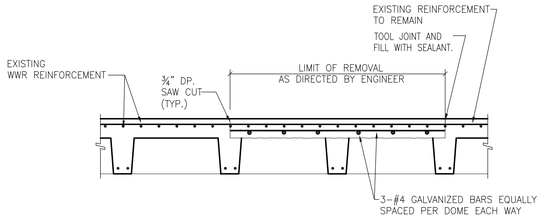
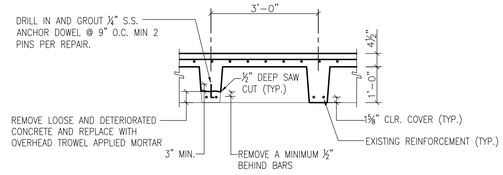


ELEVATED SLAB FULL DEPTH – REPAIR

(MULTIPLE DOME REPLACEMENT SHOWN– SINGLE DOME REPLACEMENT SIMILAR)
SCALE: ½" = 1'-0"

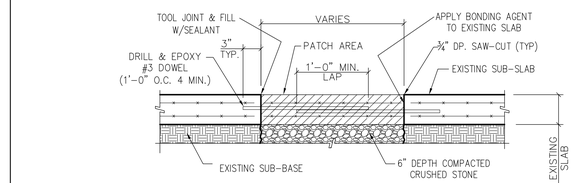
NOTE:
INVESTIGATE AND LOCATE CONDUIT PRIOR TO REPAIRS. PROTECT CONDUIT FROM DAMAGE DURING CONSTRUCTION.



REPAIR OF WAFFLE SLAB RIBS

SCALE: ½" = 1'-0"

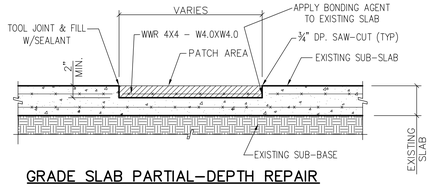
NOTE:
INVESTIGATE AND LOCATE CONDUIT PRIOR TO REPAIRS. PROTECT CONDUIT FROM DAMAGE DURING CONSTRUCTION.



GRADE SLAB FULL-DEPTH REPAIR

SCALE: 1" = 1'-0"

NOTE:
INVESTIGATE AND LOCATE CONDUIT PRIOR TO REPAIRS. PROTECT CONDUIT FROM DAMAGE DURING CONSTRUCTION.

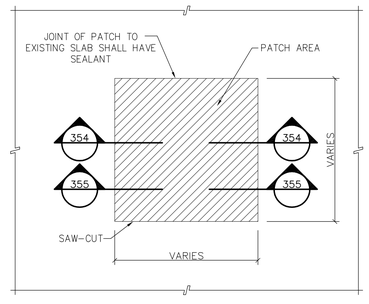


GRADE SLAB PARTIAL-DEPTH REPAIR

SCALE: 1" = 1'-0"

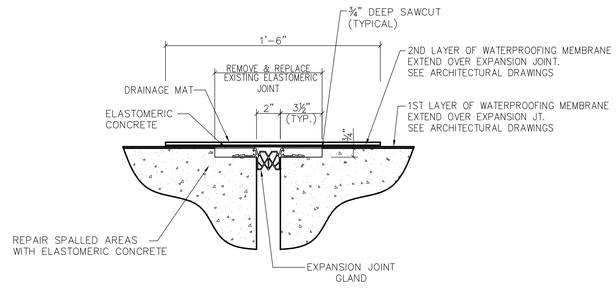
IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

NOTE:
INVESTIGATE AND LOCATE CONDUIT PRIOR TO REPAIRS. PROTECT CONDUIT FROM DAMAGE DURING CONSTRUCTION.



SLAB PATCH PLAN DETAIL

SCALE: 1" = 1'-0"



EXPANSION JOINT DETAIL

SCALE: 2" = 1'-0"

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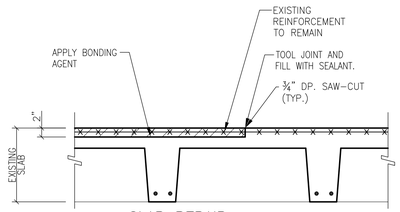
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

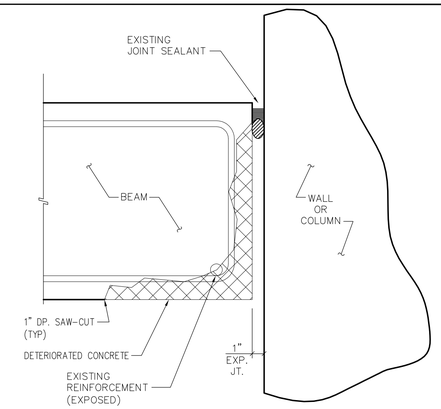
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
GENERAL REPAIR DETAILS

CONTRACT NUMBER: 19-515
SHEET NUMBER: S350
SHEET NO. 64 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-S-411-0
REV.



SLAB REPAIR
SCALE: ¾" = 1'-0"

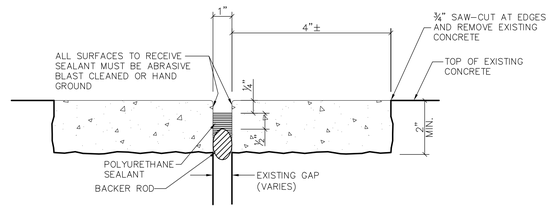
358



EXPANSION JOINT DETAIL AT COLUMN
SCALE: 2" = 1'-0"

NOTE:
SEE DETAIL 362/S351 FOR FORMING AND SHORING.
SEE DETAIL 361 & 363/S351 FOR PATCHING AND SEALANT.

359



JOINT DETAIL WITHIN THE DECK
SCALE: NOT TO SCALE

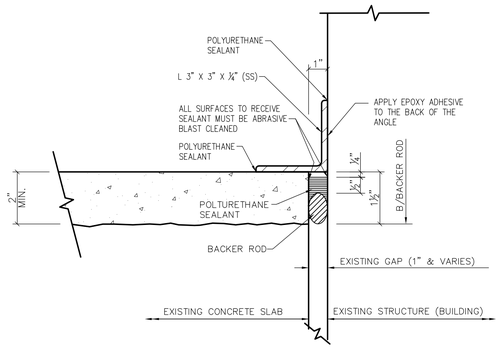
NOTES:

1) THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING SAWCUTTING & CONCRETE REMOVAL OPERATIONS TO AVOID DAMAGING THE UNDERLYING CONCRETE DECK AND STEEL REINFORCEMENT

360

NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.

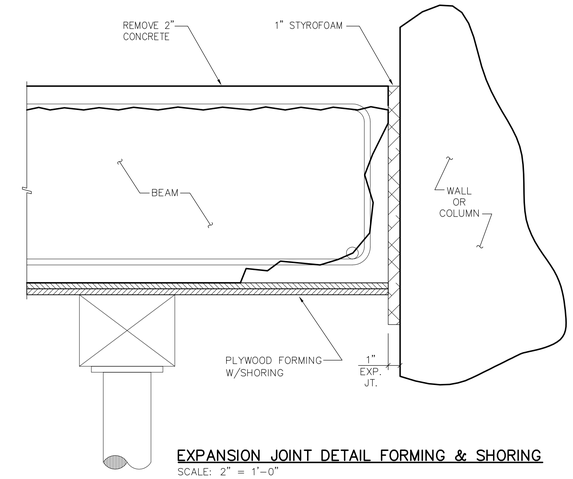


ADJACENT TO EXISTING BUILDING
SCALE: NOT TO SCALE

NOTES:

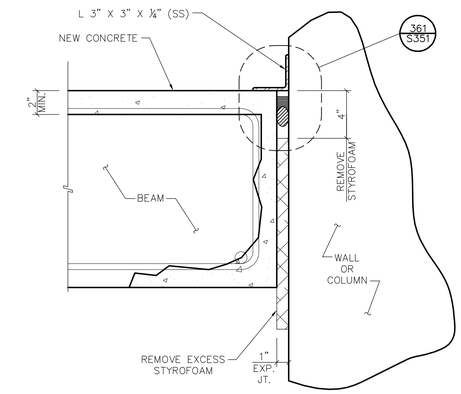
1) THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING SAWCUTTING & CONCRETE REMOVAL OPERATIONS TO AVOID DAMAGING THE UNDERLYING CONCRETE DECK AND STEEL REINFORCEMENT.

361



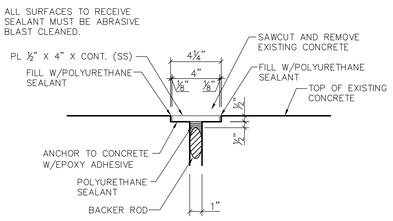
EXPANSION JOINT DETAIL FORMING & SHORING
SCALE: 2" = 1'-0"

362



EXPANSION JOINT DETAIL (REPAIRED)
SCALE: 2" = 1'-0"

363

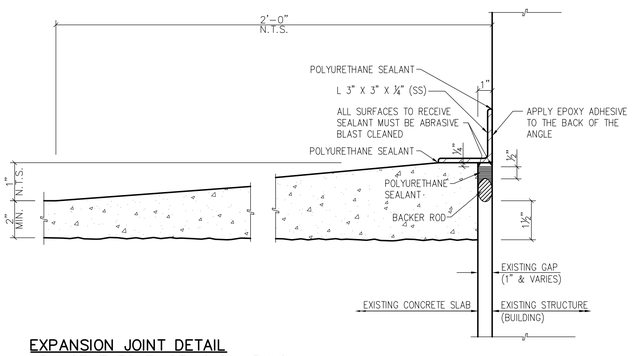


1" EXPANSION JOINT DETAIL IN FLOOR SLAB
SCALE: 2" = 1'-0"

NOTES:

1) THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING SAWCUTTING & CONCRETE REMOVAL OPERATIONS TO AVOID DAMAGING THE UNDERLYING CONCRETE DECK AND STEEL REINFORCEMENT

364

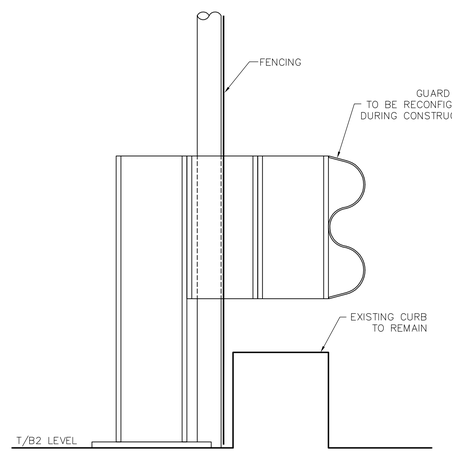


EXPANSION JOINT DETAIL ADJACENT TO EXISTING BUILDING
SCALE: NOT TO SCALE

NOTES:

1) THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING SAWCUTTING & CONCRETE REMOVAL OPERATIONS TO AVOID DAMAGING THE UNDERLYING CONCRETE DECK AND STEEL REINFORCEMENT.

365



GUARD RAIL DETAIL (EXISTING)
SCALE: 2" = 1'-0"

366

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

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WESTCHESTER COUNTY, NEW YORK
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PARKING GARAGE REHABILITATION – PHASE 1
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148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
GENERAL REPAIR DETAILS

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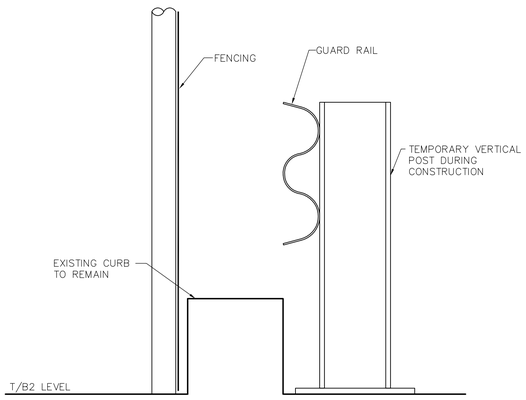
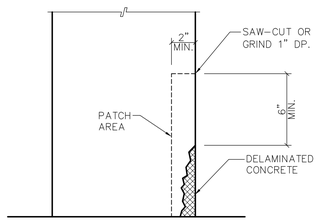
DPW FILE NO.: 52-01-S-412-0
REV. NO.



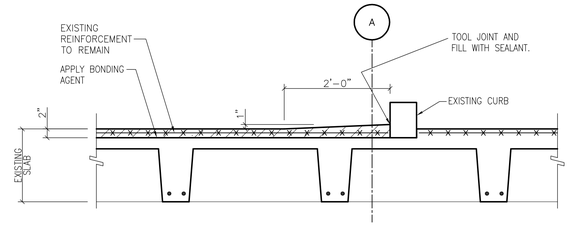
GUARD RAIL DETAIL (REPAIR)
SCALE: 2" = 1'-0"

367

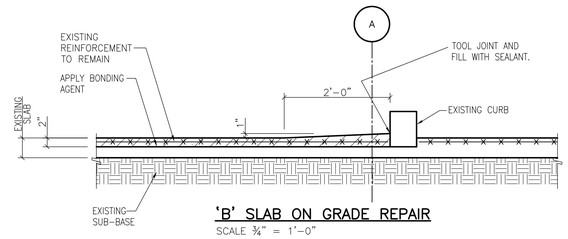


COLUMN PATCH DETAIL
SCALE: 2" = 1'-0"

368



'A' ELEVATED SLAB REPAIR
SCALE: ¾" = 1'-0"



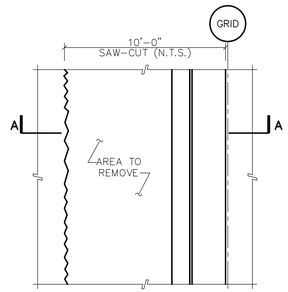
'B' SLAB ON GRADE REPAIR
SCALE ¾" = 1'-0"

369

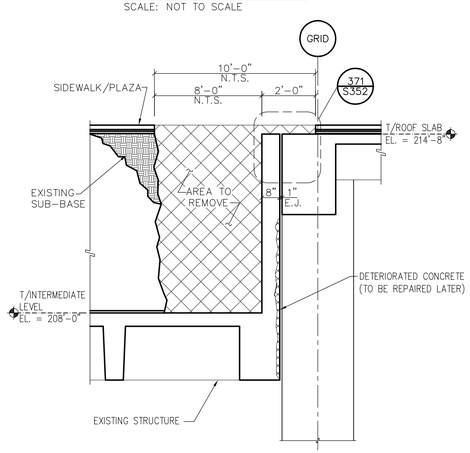
NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.

PHASE 1 ALTERNATE 1



EXPANSION JOINT PLAN
SCALE: NOT TO SCALE



EXPANSION JOINT SECTION A-A
SCALE: NOT TO SCALE

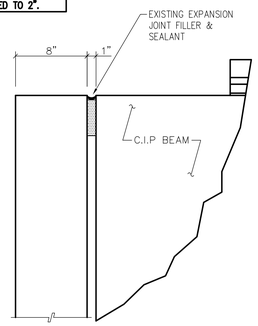
NOTE:
SEE DETAIL 375 ON SHEET S353 FOR FINAL CONDITION OF EXPANSION JOINT REPAIR.

IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

370

PHASE 1 ALTERNATE 1

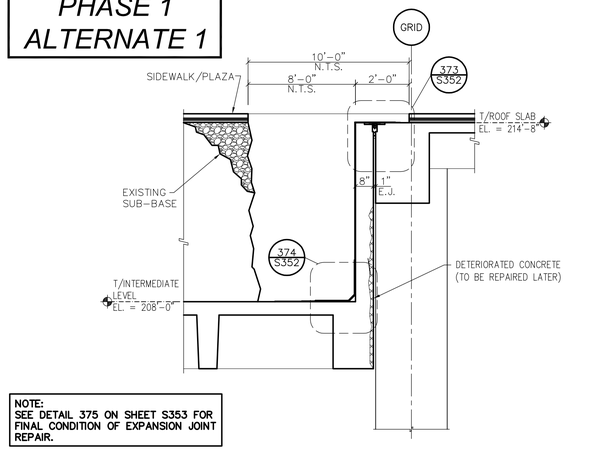
NOTE
THIS EXPANSION JT WILL NEED TO BE INCREASED TO 2".



EXISTING EXPANSION JOINT DETAIL
SCALE: 1½" = 1'-0"

371

PHASE 1 ALTERNATE 1

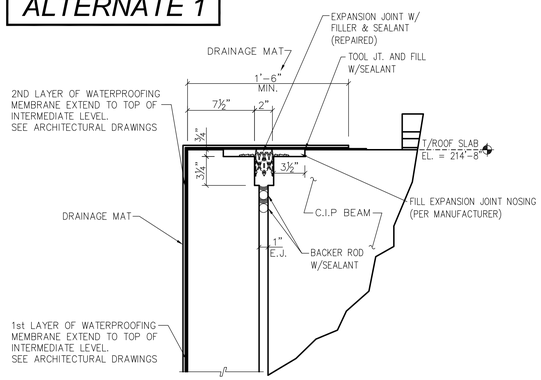


NOTE:
SEE DETAIL 375 ON SHEET S353 FOR FINAL CONDITION OF EXPANSION JOINT REPAIR.

REPAIR FOR EXPANSION JOINT
SCALE: ⅜" = 1'-0"

372

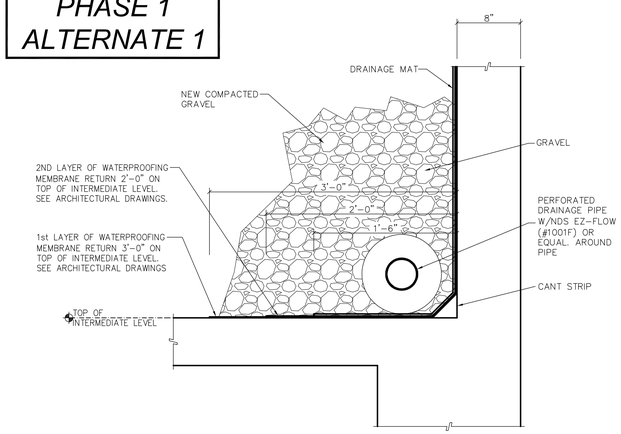
PHASE 1 ALTERNATE 1



EXPANSION JOINT DETAIL (REPAIRED)
SCALE: 1½" = 1'-0"

373

PHASE 1 ALTERNATE 1



ROOF WATERPROOFING DETAIL
SCALE: 1½" = 1'-0"

374

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PROJECT COORDINATOR: NAME / SIGNATURE / TITLE / DATE

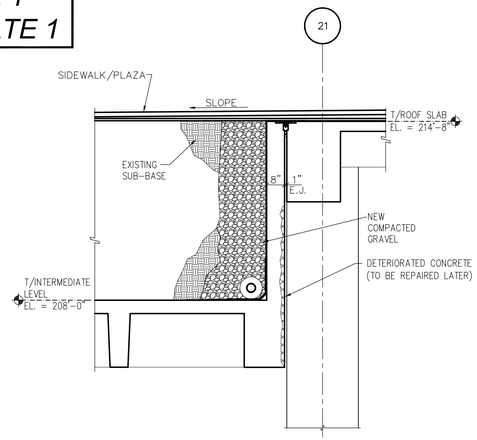
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515 | SHEET NUMBER S352
SHEET NO. 68 OF 97

PARKING GARAGE REHABILITATION – PHASE 1
MCWILLIAM OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
GENERAL REPAIR DETAILS

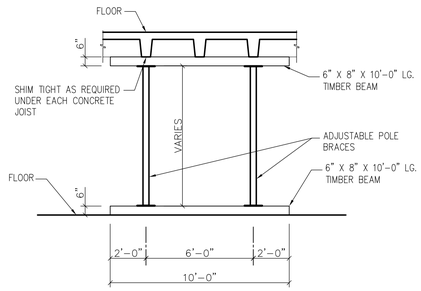
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-S-413-0
REV. NO.

PHASE 1
ALTERNATE 1



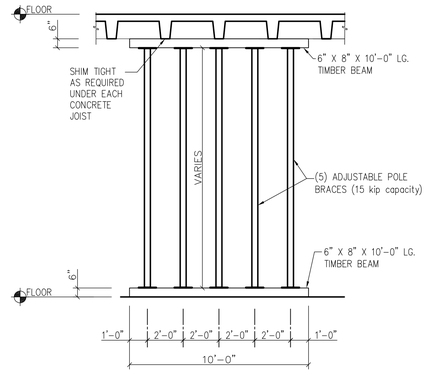
REPAIR FOR EXPANSION JOINT
SCALE: 3/8" = 1'-0"

375



TYPICAL JOIST SHORING
SCALE: 1" = 1'-0"

376



TYPICAL HIGH FLOOR JOIST SHORING
SCALE: 1" = 1'-0"

377

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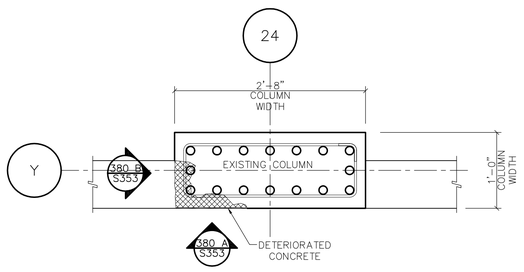
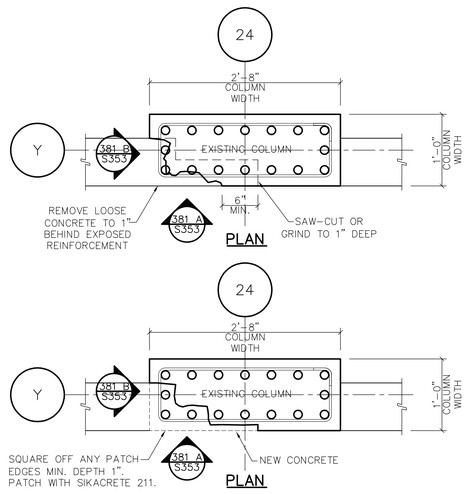


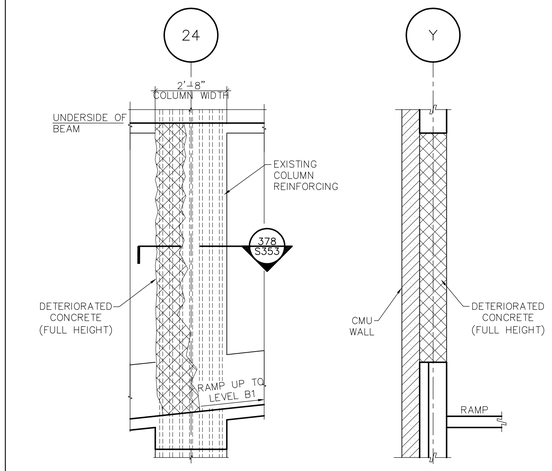
EXISTING COLUMN PLAN
SCALE: 1" = 1'-0"

378



COLUMN Y-24 REPAIRED CONDITION
SCALE: 1" = 1'-0"

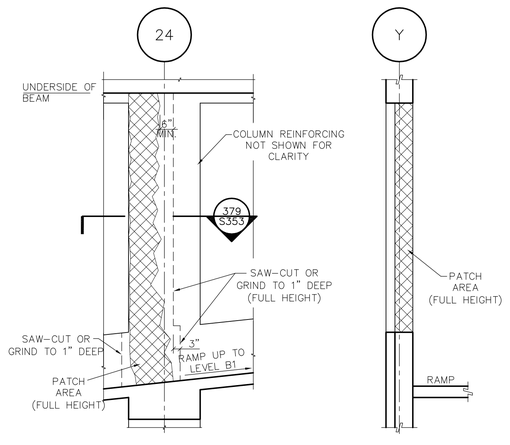
379



ELEVATION A – EXISTING
SCALE: 1" = 1'-0"

SIDE VIEW B – EXISTING
SCALE: 1" = 1'-0"

380

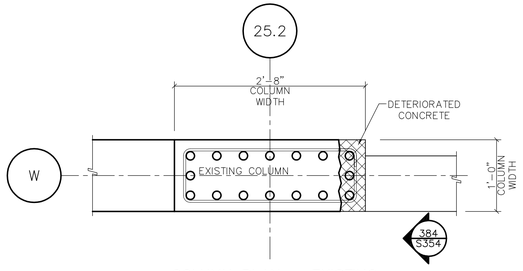


ELEVATION A – REPAIRED
SCALE: 1" = 1'-0"

SIDE VIEW B – REPAIRED
SCALE: 1" = 1'-0"

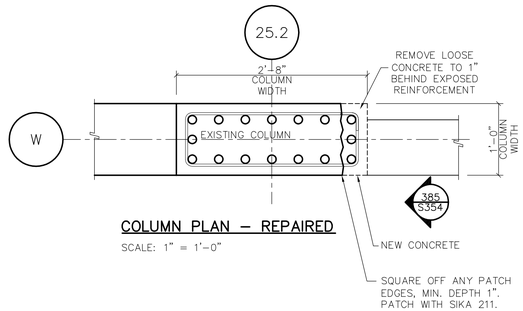
IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

381



COLUMN PLAN – EXISTING
SCALE: 1" = 1'-0"

382



COLUMN PLAN – REPAIRED
SCALE: 1" = 1'-0"

383

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DIVISION OF ENGINEERING

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SHEET NUMBER S353
SHEET NO. 67 OF 87
SCALE: AS NOTED
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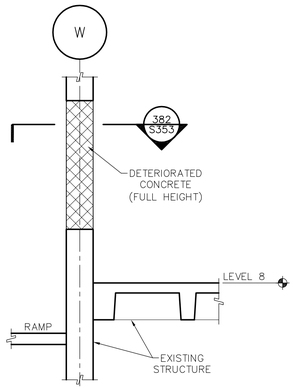
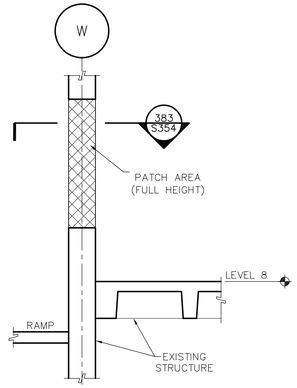
PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
GENERAL REPAIR DETAILS



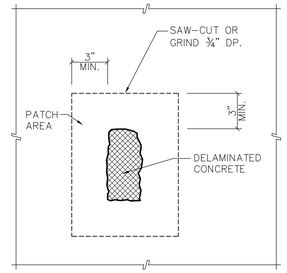
SIDE VIEW – EXISTING
SCALE: ⅜" = 1'–0"

384



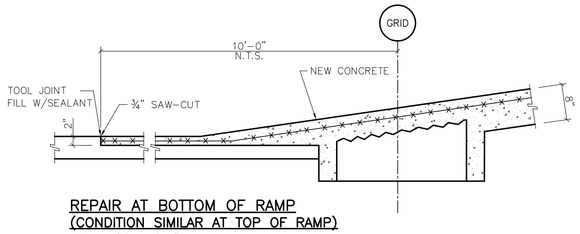
SIDE VIEW – REPAIRED
SCALE: ⅜" = 1'–0"

385



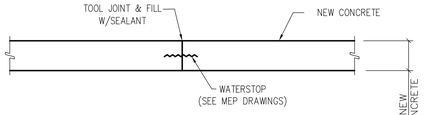
TYPICAL COLUMN/SPANDREL/WALL DELAMINATION REPAIR
SCALE: 2" = 1'–0"

386

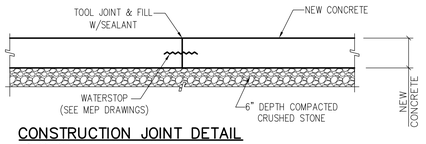


REPAIR AT BOTTOM OF RAMP
(CONDITION SIMILAR AT TOP OF RAMP)
SCALE: 1½" = 1'–0"

387

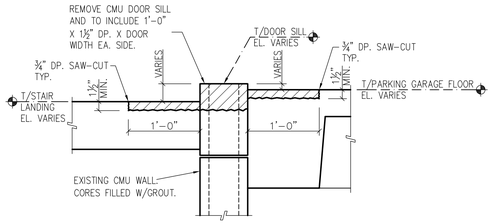


CONSTRUCTION JOINT DETAIL
SCALE: 1" = 1'–0"

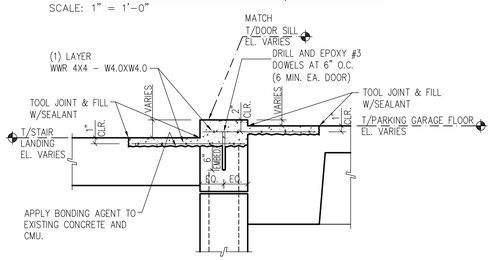


CONSTRUCTION JOINT DETAIL
AT GRADE
SCALE: 1" = 1'–0"

388



DOOR SILL DETAIL – EXISTING/DEMOLITION
SCALE: 1" = 1'–0"



DOOR SILL DETAIL – REPAIR
SCALE: 1" = 1'–0"

NOTE:

1) THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING SAWCUTTING & CONCRETE REMOVAL OPERATIONS TO AVOID DAMAGING THE UNDERLYING CONCRETE FLOOR/STAIR LANDING AND EXISTING STEEL REINFORCEMENT.

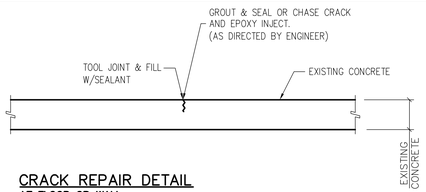
NOTE:

2) APPLY A BONDING AGENT BEFORE PLACING NEW CONCRETE FLOOR AND SILL.

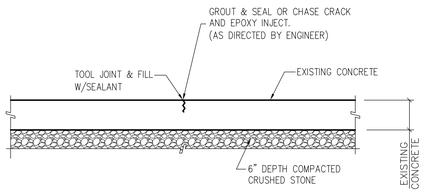
389

NOTES:

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.



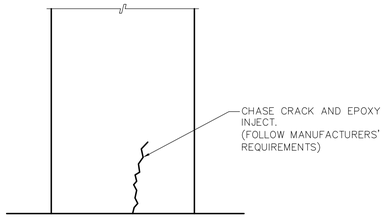
CRACK REPAIR DETAIL
AT FLOOR OR WALL
SCALE: 1" = 1'–0"



HORIZONTAL CRACK REPAIR DETAIL
AT GRADE
SCALE: 1" = 1'–0"

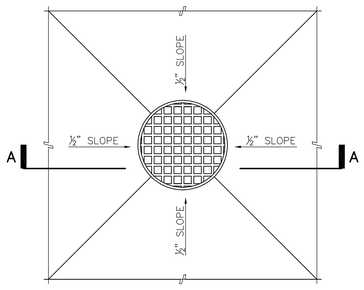
IN CHARGE OF JEFFREY CARLSON
CHECKED BY WOJCIECH TROCKI
MADE BY DAN STEVENS

390

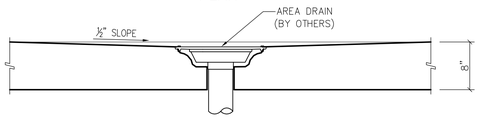


VERTICAL CRACK REPAIR DETAIL
SCALE: 2" = 1'–0"

391



PLAN



SECTION A–A

AREA DRAIN DETAIL
SCALE: 1" = 1'–0"

NOTE:
AREA DRAIN TO BE PLACED AT THE CENTER OF THE PAN.
DO NOT PLACE AT JOISTS.

392

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PARKING GARAGE REHABILITATION – PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
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CONTRACT NUMBER 19–515
SHEET NUMBER S354
SHEET NO. 68 OF 87
SCALE: AS NOTED
DATE: 7–23–2020
DPW FILE NO. 52–01–S–415–0

SCOPE OF WORK

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS AND TEMPORARY WORK REQUIRED FOR THE COMPLETE INSTALLATION AND PROPER OPERATION OF AUTOMATIC SPRINKLER SYSTEMS IN STRICT ACCORDANCE WITH THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE SUPPLEMENTAL UNIFORM BUILDING AND FIRE PREVENTION CODE OF THE LOCAL NFPA 13 AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION.

THE INSTALLATION SHALL BE DONE BY A QUALIFIED FIRM RECOGNIZED AS BEING FULLY EXPERIENCED IN THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS AND FAMILIAR WITH THE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE SUPPLEMENTAL UNIFORM BUILDING AND FIRE PREVENTION CODE LOCAL AND NFPA.

1. THE CONTRACTOR SHALL VISIT AND CAREFULLY REVIEW THE DRAWING TO BECOME FAMILIAR WITH THE BUILDING BEFORE SUBMITTING PROPOSAL. ALL REQUIRED BUILDING INFORMATION SHALL BE OBTAINED FROM THE OWNER.

2. THE WORK REQUIRED SHALL INCLUDE, BUT IS NOT LIMITED, THE FOLLOWING:

A. SPRINKLER HEADS, PIPING, FITTINGS, HANGERS AND VALVES.
B. DRIPS AND DRAINS.
C. PIPE HANGERS AND SUPPORTS.
D. PIPE SLEEVES AND ESCUTCHEONS.
E. CUTTING AND PATCHING.
F. ONE APPROVED TYPE SPRINKLER CABINET AND EXTRA HEADS. PROVIDE A DUPLICATE NUMBER OF COVER PLATES TO ACCOMMODATE THE CONLEALER TYPE HEADS. PROVIDE ONE SPRINKLER WRENCH.
G. PREPARATION OF COMPLETE AND DETAILED SHOP DRAWINGS FOR INSTALLATION.
H. PERFORMING ALL TESTS REQUIRED AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE SUPPLEMENTAL UNIFORM BUILDING AND FIRE PREVENTION CODE OF THE TOWN HAVING JURISTICTION AND NFPA.
I. PERFORMING OF HYDRAULIC PRESSURE LOSS CALCULATIONS INCLUDING ALL NEW AND EXISTING PIPING FOR SERVING ALL AREAS OF THIS WORK IF REQUIRED BY THE LOCAL BUILDING DEPARTMENT AND ANY OTHER AUTHORITIES HAVING JURISDICTION.

3. ALL WORK SHALL CONFORM TO THE "BUILDING CODE OF THE STATE OF NEW YORK", LATEST EDITION, AND LOCAL ORDINANCES AND REGULATIONS, EXCEPT WHERE THESE REQUIREMENTS ARE EXCEEDED BY THE DRAWINGS AND SPECIFICATIONS IN QUALITY AND/OR QUANTITY.

4. CONTRACTOR TO MAKE ALL FILINGS PAY ALL FEES AND OBTAIN ALL PERMITS.

5. ALL WORK SHALL BE IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS AND IN COOPERATION WITH THE OWNER'S REPRESENTATIVE.

6. ALL WORK SHOWN IS IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND LIMITATIONS BEFORE SUBMITTING HIS BID.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING NEW PIPING WITH OFFSETS, RISES AND DROPS AS REQUIRED TO AVOID ANY INTERFERENCES.

8.THE CONTRACTOR SHALL NOT SUPPORT NEW PIPING FROM DUCTWORK, PIPING, OR EQUIPMENT. WHERE INTERFERENCES OCCUR, PROVIDE TRAPEZE SUPPORTS FOR NEW WORK.

9. THE CONTRACTOR SHALL COORDINATE FINAL LOCATION OF SPRINKLER HEADS WITH ARCHITECTURAL DRAWINGS.

INSTALLATION

1. IT IS THE INTENT OF THE SPECIFICATIONS TO PROVIDE COMPLETE SYSTEMS, LEFT IN GOOD WORKING ORDER, READY FOR OPERATION.

2. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR LOCATION OF ALL SPRINKLER HEADS, PIPING AND APPURTENANCES IN ACCORDANCE WITH THE LATEST ARCHITECTURAL ARRANGEMENT OF PARTITIONS, LIGHTS, CEILING DIFFUSERS AND GRILLES, AND IN SUCH A MANNER SO AS TO AVOID INTERFERENCES WITH ALL PIPING, DUCTWORK, BEAMS AND OTHER EQUIPMENT WITHIN THE CEILING SPACES.

3. THE DRAWINGS SHOW THE GENERAL RUN AND APPROXIMATE LOCATIONS OF NEW PIPES. DO NOT SCALE THE DRAWINGS TO DETERMINE EXACT POSITIONS AND CLEARANCES.

4. THE CONTRACTOR SHALL LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED , OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE LOCATIONS. SUCH EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO VALVES AND DRAIN POINTS. MINOR DEVIATIONS FROM PLANS ARE PERMITTED TO ALLOW FOR BETTER ACCESSIBILITY.

5. ALL CUTTING AND PATCHING REQUIRED FOR THE PROPER INSTALLATION OF THE WORK SHALL BE DONE BY THIS CONTRACTOR. CONTRACTOR SHALL NOT DO ANY CUTTING THAT MAY IMPAIR THE STRUCTURAL INTEGRITY OF THE BUILDING. NO HOLES, EXCEPT FOR SMALL SCREWS, MAY BE DRILLED IN STRUCTURAL MEMBERS WITHOUT OBTAINING PRIOR APPROVAL.

6. CONTRACTOR SHALL COORDINATE SCHEDULING OF WORK WITH THE BUILDING OWNER. A PRELIMINARY SCHEDULE SHALL BE SUBMITTED TO THE OWNER WITHIN TWO WEEKS AFTER AWARD OF CONTRACT.

SERVICES AND FACILITIES IN THE BUILDING SHALL NOT BE DISCONNECTED OR INTERRUPTED WITHOUT THE PERMISSION OF THE OWNER AND THE OWNER UTILITY COMPANY SHALL BE GIVEN 72 HOURS PRIOR NOTICE TO REQUIRED INTERRUPTIONS. TEMPORARY INTERRUPTIONS SHALL BE MADE AT TIME AS APPROVED BY THE OWNER AND UTILITY COMPANY. THERE SHALL BE NO ADDITIONAL CHARGE BY THE CONTRACTOR TO ACCOMMODATE THE OWNER'S REQUIREMENTS AS THEY RELATE TO TEMPORARY INTERRUPTIONS.

THE CONTRACTOR SHALL ARRANGE TO WORK CONTINUOUSLY TO ASSURE THAT SERVICE INTERRUPTION TIME IS KEPT TO A MINIMUM.

7. NOISE SHALL BE KEPT TO A MINIMUM.

8. WITH THE EXCEPTION OF THE IMMEDIATE CONTRACT AREA, THE CONTRACTOR SHALL NOT USE ANY PART OF THE BUILDING AS A SHOP.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT AND REPAIR OF ALL MATERIALS AND EQUIPMENT REMOVED OR DAMAGED IN THE COURSE OF HIS WORK.

10. ALL CONTROL, DRAIN, TEST AND ALARM VALVES WHEN INDICATED OR REQUIRED SHALL BE PROVIDED WITH IDENTIFICATION SIGNS AS APPROVED BY THE LOCAL FIRE DEPARTMENT AND NFPA.

11. THE CONTRACTOR SHALL BE REQUIRED TO CLEAN UP ALL WORK AREAS AND REMOVE AND DISPOSE OF ALL EXCESS MATERIALS, DIRT AND DEBRIS.

RESPONSIBILITIES OF CONTRACTOR

1. THE CONTRACTOR SHALL SUBMIT THE REQUIRED NUMBER OF SHOP DRAWING INCLUDING COORDINATED PIPING LAYOUT INDICATING HEADS, DIMENSIONS, AND PIPE ELEVATIONS TO THE OWNER FOR APPROVAL PRIOR TO FABRICATION OF PIPING OR PURCHASING EQUIPMENT. DEVIATIONS FROM SHOP DRAWINGS TO MEET FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO INSTALLATION.

2. THE ENTIRE SPRINKLER SYSTEM SHALL BE TESTED TO 200 PSI HYDROSTATIC PRESSURE. PRESSURE SHALL BE MAINTAINED AFTER DISCONNECTION OF THE PRESSURIZATION DEVICE WITHOUT ANY DROP IN PRESSURE FOR A MINIMUM OF TWO HOURS.

3. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE THE CERTIFICATE OF MATERIALS AND TESTS, AND SHALL SECURE THE FINAL INSPECTION AND APPROVAL BY ALL AGENCIES HAVING JURISDICTION INCLUDING THE LOCAL FIRE DEPARTMENT AND BUILDING DEPARTMENT.

MATERIALS

1. ALL PIPES, FITTINGS, VALVES AND OTHER APPURTENANCES SHALL BE OF THE MATERIALS AND WEIGHTS AS REQUIRED BY THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE SUPPLEMENTAL UNIFORM BUILDING AND FIRE PREVENTION CODE OF THE LOCAL FIRE PREVENTION CODE. NFPA 13 AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION, NFPA STANDARDS AND SHALL MATCH EXISTING MATERIALS.

2. SPRINKLER PIPING SHALL BE OF STANDARD WEIGHT BLACK STEEL SCHEDULE 40 PIPE WITH APPROVED STANDARD WEIGHT CAST IRON, THREADED OR FLANGED SPRINKLER FITTINGS ON PIPING 2½" AND SMALLER. PIPING 3" & GREATER SHALL BE SCHEDULE 10 WITH PLAIN AND GROOVED FITTINGS. ALL UNDERGROUND–CLASS 50, CEMENT LINED DUCTILE IRON WITH MECHANICAL JOINTS. THE CONTRACTOR, AT HIS OPTION, MAY USE VICTAULIC COUPLINGS AND FITTINGS FOR ABOVEGROUND PIPING.

3. VALVES SHALL BE APPROVED O S & Y TYPE WITH IRON BODY.

4. ALL PIPES, FITTINGS AND VALVES SHALL BE DESIGNED TO WITHSTAND A WORKING PRESSURE OF NOT LESS THAN 175 PSI.

5. DIELECTRIC UNIONS SHALL BE PROVIDED FOR ALL CONNECTIONS BETWEEN PIPES, FITTINGS, HANGERS AND EQUIPMENT OF DISSIMILAR METALS.

6. METAL PIPE SUPPORTS, SWAY BRACES, HANGERS, CLAMPS, AND ALL OTHER ACCESSORIES SHALL BE UNDERWRITER'S LABORATORIES TESTED APPROVED PATTERN AND SO PLACED AS TO CONFORM WITH THE REQUIREMENTS OF NFPA PAMPHLET NO. 13.

7. PIPING PASSING THROUGH FLOORS, WALLS AND CEILINGS SHALL BE PROVIDED WITH ESCUTCHEONS AND SLEEVES.

8. ALL SPRINKLER HEADS SHALL BE UL AND FM APPROVED, SHALL HAVE ORDINARY TEMPERATURE RATING (135–170F.) EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS AND OR WHERE HIGHER DEGREE RATINGS ARE REQUIRED TO PREVENT ACCIDENTAL DISCHARGE OF THE HEADS.

UPRIGHT HEADS, ABOVE HUNG CEILINGS AND IN AREAS WITH NO CEILING, SHALL BE RELIABLE MODEL G SSU WITH 1/2–INCH ORIFICE.

NOTES:

1. IT IS THE INTENT OF THESE DRAWINGS & SPECIFICATIONS TO DESCRIBE MODIFICATIONS TO THE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM IN THIS BUILDING. THE ENTIRE CONTENTS OF THE PROJECT SPECIFICATIONS AND DRAWINGS, NFPA BULLETINS AND STATE & LOCAL CODES AND ORDINANCES SHALL BE CONSIDERED AN INTEGRAL PART OF THIS DOCUMENT.

2. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND WARNINGS.

3. ALL EQUIPMENT SHALL BE UL LISTED AND/OR FM APPROVED FOR FIRE PROTECTION IN AN NFPA–13 SETTING.

4. THE NEW PIPING SHALL BE PRESSURE TESTED AT 200 PSI FOR 2 HRS.

5. ALL PIPING SHALL DRAIN BACK TO THE DRAIN CONNECTION. WHERE NECESSARY, THE CONTRACTOR SHALL INSTALL 1" AUXILIARY DRAINS, PIPED TO THE NEAREST DRAIN FACILITY OR OUTDOORS.

6. THE LOCATION AND SPACING OF SUPPORT HANGERS SHALL CONFORM TO NFPA–13 (1989), (LATEST EDITION) FOR STEEL PIPE.

1–1/2" & LARGER HANGERS AT 15'–0" MAX.
1" & 1–¼" HANGERS AT 12'–0" MAX.

THE HANGERS SHALL BE SPLIT BAND TYPE, WITH THREADED ROD AND ATTACHED TO STRUCTURAL MEMBERS BY CLAMPS OR SHIELDS.

7. THE CONTRACTOR SHALL GIVE ADVANCE NOTICE OF ALL TESTS WHICH REQUIRE WITNESSES.

8. THE CONTRACTOR SHALL LIMIT HIS WORK TO AS HEREIN SHOWN.

9. NO WORK SHALL BEGIN UNLESS AND UNTIL ALL AUTHORITIES HAVING JURISDICTION HAVE REVIEWED AND APPROVED THESE DRAWINGS.

10. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ROUTINE INSPECTION & MAINTENANCE PER NFPA–13A AS WELL AS ALWAYS MAINTAINING 50° F THROUGHOUT THE PROJECT SPACE. ALL WATER SUPPLY SHUT OFF VALVES WHICH CONTROL THE SUPPLY OF WATER TO THIS SPRINKLER SYSTEM MUST HAVE A TAMPER PROOF SWITCH INSTALLED. SIDE WALL SPRINKLER HEADS SHALL HAVE EXTENDED COVERAGE.

11. WORK TO BE COMPLETED BY THIS CONTRACTOR INCLUDES HYDRAULIC CALCULATIONS, FIRE SPRINKLER SYSTEM, RPZ FILING ETC.

12. DEVIATIONS TO THIS DOCUMENT, MADE NECESSARY DUE TO FIELD CONDITIONS, SHALL BE RECORDED ON A CLEAN BLUEPRINT IN PENCIL AND SUBMITTED AS "AS–BUILT" DRAWINGS.

13. ALL PIPING AND EQUIPMENT SHALL BE PROTECTED FROM EARTHQUAKE DAMAGE PER NFPA–13 LATEST EDITION.

14. ALL SPRINKLER PIPE AND FITTINGS SHALL BE INSTALLED SO THAT THE SYSTEM MAY BE DRAINED PER NFPA–13–3.11.1.1.

15. ON DRY PIPE SYSTEM. SPRINKLER PIPE SHALL BE INSTALLED TO SLOPE TO DRAIN. TRAPPED PIPING SHALL BE DRAINED PER NFPA–13–3–11.3:

A. FOR TRAPPED SECTION OF PIPE THAT IS 5 GAL. OR LESS, PROVIDE A TEE WITH A PLUG AT THE END OF BRANCH LINE.

B. FOR TRAPPED SECTION OF PIPE THAT IS MORE THAN 5 GALS. AND LESS THAN 50 GALS, PROVIDE A VALVE AT LEAST 3/4" IN SIZE AND A PLUG.

C. FOR TRAPPED SECTION OF PIPE THAT IS MORE THAN 50 GALS., PROVIDE A VALVE THAT IS AT LEAST 1" IN SIZE AND PIPE TO ACCESSIBLE LOCATION.

16. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED AND SIGNED BY A LICENSED PROFESSIONAL ENGINEER FROM THE STATE OF NEW YORK.

17. CONTRACTOR SHALL SUBMIT PRELIMINARY LAYOUT OF SPRINKLER HEADS AND PIPING LAYOUT FOR REVIEW. IF CHANGES ARE REQUIRED THE MECHANICAL ENGINEER WILL NOTIFY THE CONTRACTOR.

18. CONTRACTOR SHALL BE RESPONSIBLE TO SIZE PIPES HYDRAULICALLY. IF INCREASE IN PIPE SIZE IS REQUIRED THEN IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST.

19. ALL WORK INCLUDING AS BUILT DRAWINGS, SHALL BE SUBMITTED IN AUTO CAD.

20. VALVE TAGS : ALL VALVES SHALL BE TAGGED.

21. ALL WATER SUPPLY SHUT OFF VALVES WHICH CONTROL THE SUPPLY OF WATER TO THIS SPRINKLER SYSTEM MUST HAVE TAMPER SWITCH INSTALLED.

SYMBOL	DESCRIPTION
	PIPING BELOW GRADE
SP	SPRINKLER PIPING
	RECESSED SPRINKLER HEAD NEW
	UPRIGHT SPRINKLER HEAD NEW
	CONCEALED PENDENT SPRINKLER HEAD
	HORIZONTAL SIDEWALL SPRINKLER HEAD
	ELBOW UP
	ELBOW DOWN
	TEE UP
	TEE DOWN
	VALVE IN RISER
	GATE VALVE
	OS&Y GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALL VALVE
	BUTTERFLY VALVE
	STRAINER
	FLOW SWITCH
	STORZ CONNECTION
	PIPE ANCHOR
	PIPE GUIDE
	PIPE SLEEVE THRU WALL
	UNION
	FLANGE CONNECTION
	PRESSURE GAUGE
	CONNECTION OF NEW TO EXISTING
	EXTENT OF DEMOLITION WORK
TS	TAMPER SWITCH

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/31/2020			RELEASE FOR BID
	7/23/2020			FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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TITLE DATE

PROJECT COORDINATOR
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SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19–515
SHEET NUMBER FP–100
SHEET NO. 69 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MCNAMEE OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SPECIFICATIONS, LEGEND AND NOTES

SCALE: AS NOTED
DATE: 7–23–2020
DPW FILE NO. 52–01–FP–416–0
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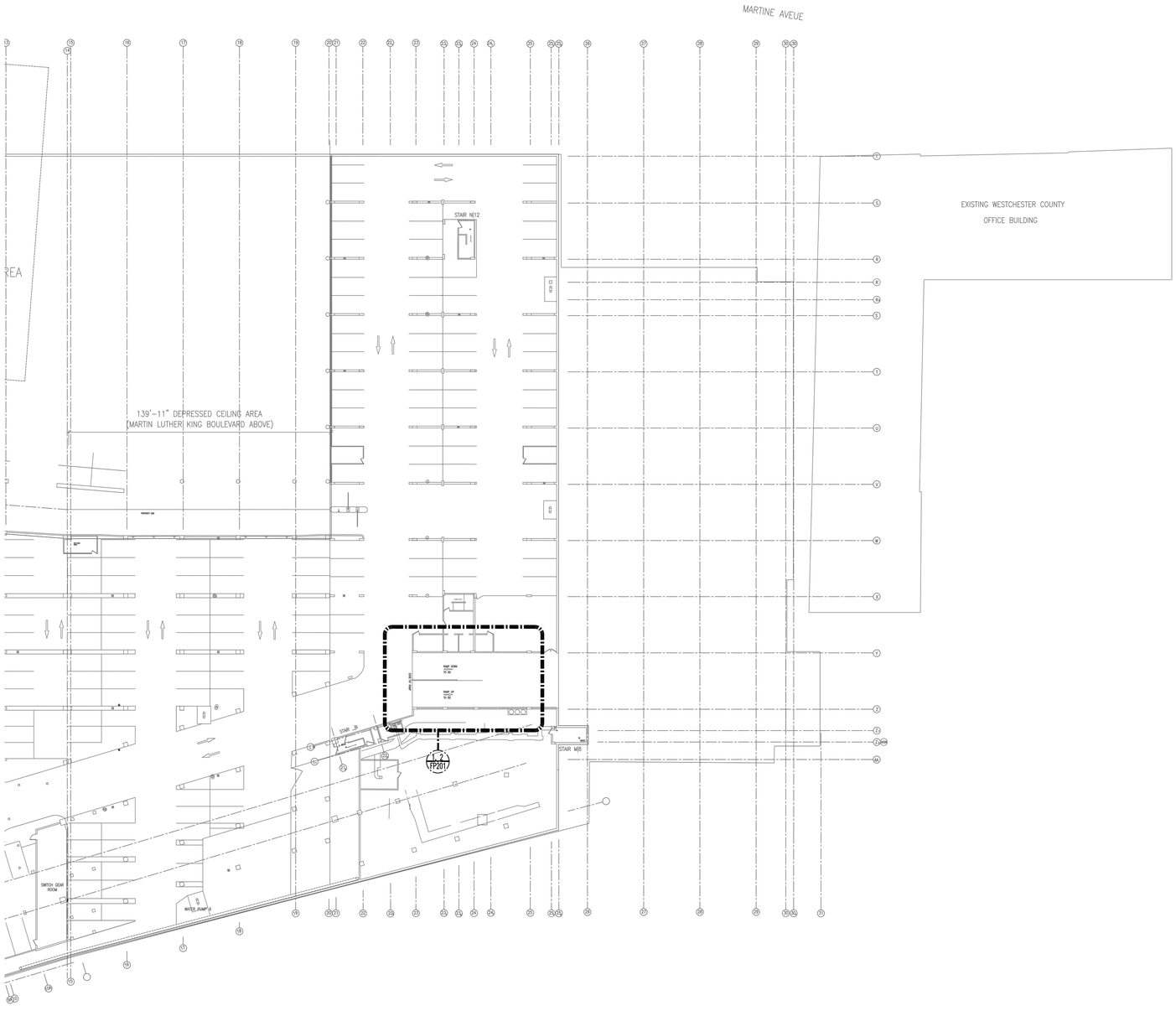
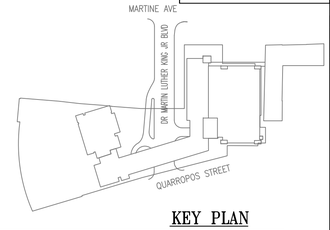
2020–7–27



1 LOCATION PART PLAN PARKING LEVEL B3 (CONSTRUCTION)

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

MAGNETIC NORTH PROJECT NORTH



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PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
LOCATION PART PLAN PARKING LEVEL B3

CONTRACT NUMBER: 19-515
SHEET NUMBER: FP-101(B3)
SHEET NO. 70OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-FP-417-0
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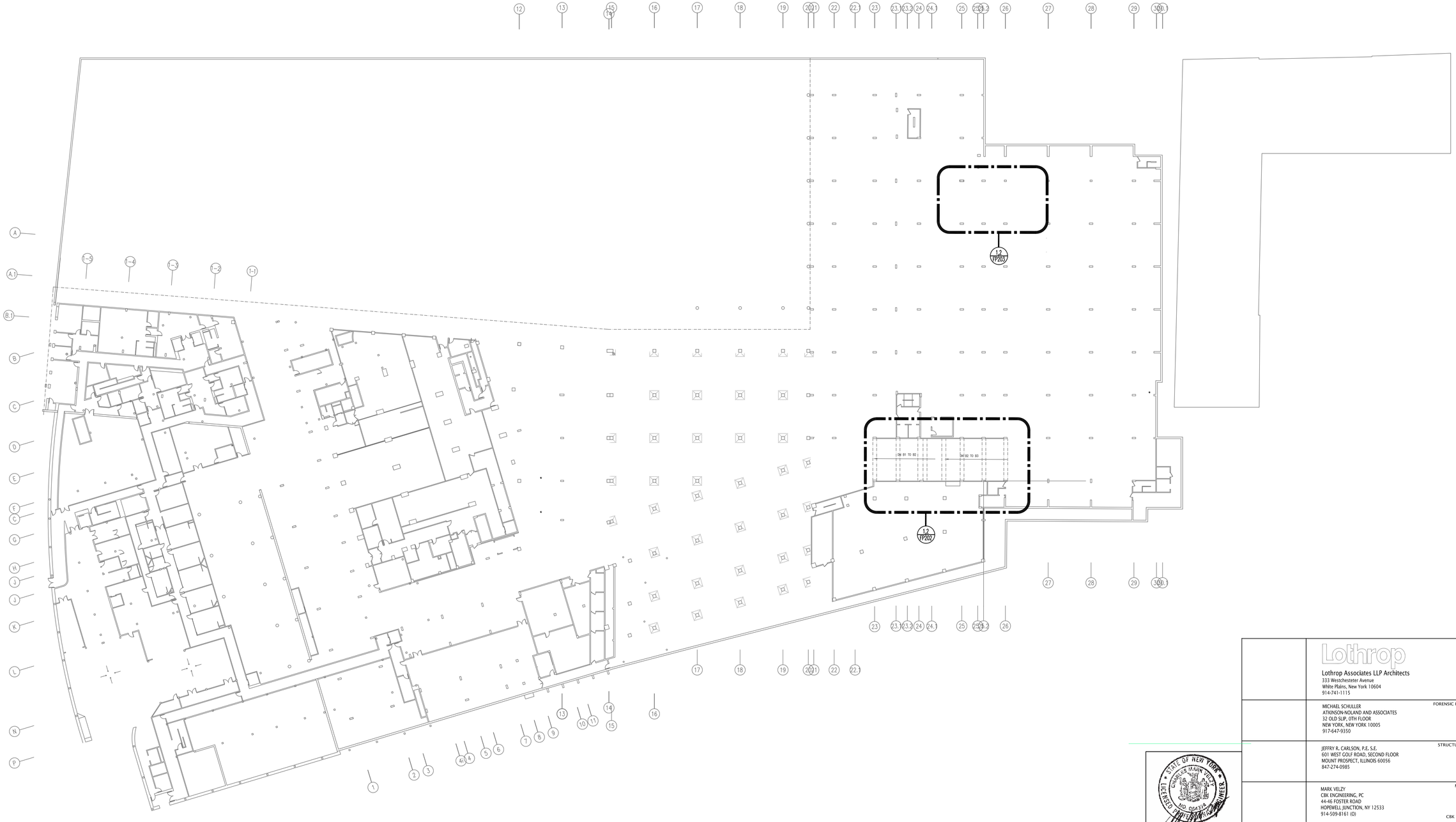

1 LOCATION PART PLAN PARKING LEVEL B2 PLAN

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

KEY PLAN

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148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

LOCATION PART PLAN PARKING LEVEL B2

CONTRACT NUMBER	19–515
SHEET NUMBER	FP–102(B2)
SHEET NO. 71 OF 97	
SCALE:	AS NOTED
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REV.	

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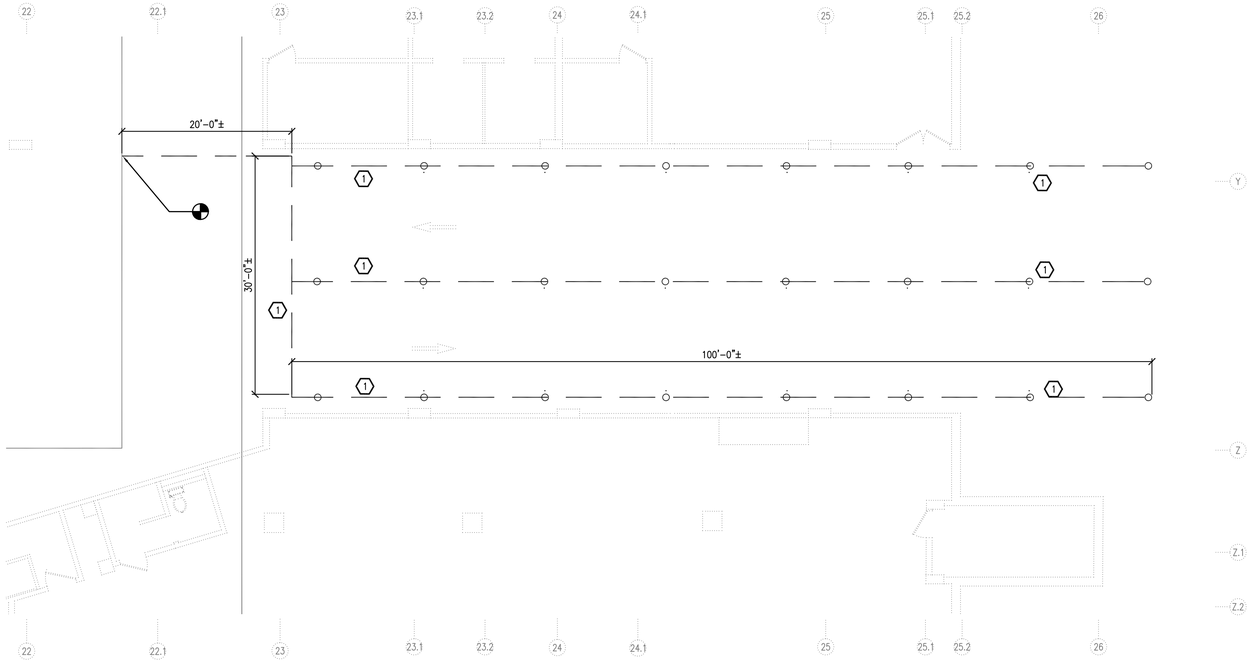


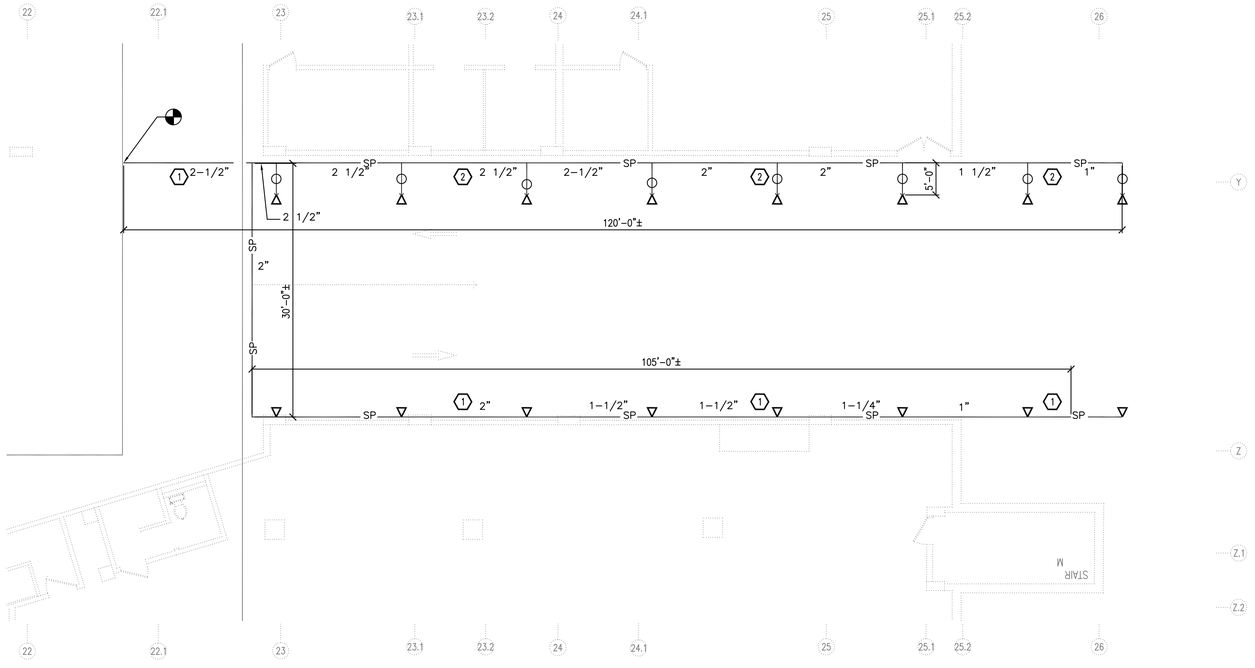
1 PART PLAN PARKING LEVEL B3 (DEMOLITION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH

DEMOLITION WORK NOTES

1. REMOVE EXISTING SPRINKLER HEADS AND PIPING AS INDICATED. INSTALL NEW PIPING PRIOR TO REMOVALS TO LIMIT DOWN TIME WITH OUT SPRINKLERS IN THIS AREA.



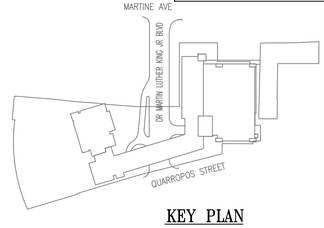
2 PART PLAN PARKING LEVEL B3 (CONSTRUCTION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH

CONSTRUCTION WORK NOTES

1. INSTALL NEW SIDEWALL SPRINKLER HEADS AND PIPING PRIOR TO DEMOLITION OF EXISTING SPRINKLERS, NEW SIDEWALL SPRINKLERS SHALL REMAIN AS PERMANENT INSTALLATION.
2. EXTEND NEW BRANCH PIPING BEYOND CONDUIT RACK AND PROVIDE PENDANT HEAD AND SIDEWALL HEAD.



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PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
PARKING LEVEL B3 PART PLANS AND NOTES

CONTRACT NUMBER: 19-515
SHEET NUMBER: FP-201(B3)
SHEET NO. 72 OF 97
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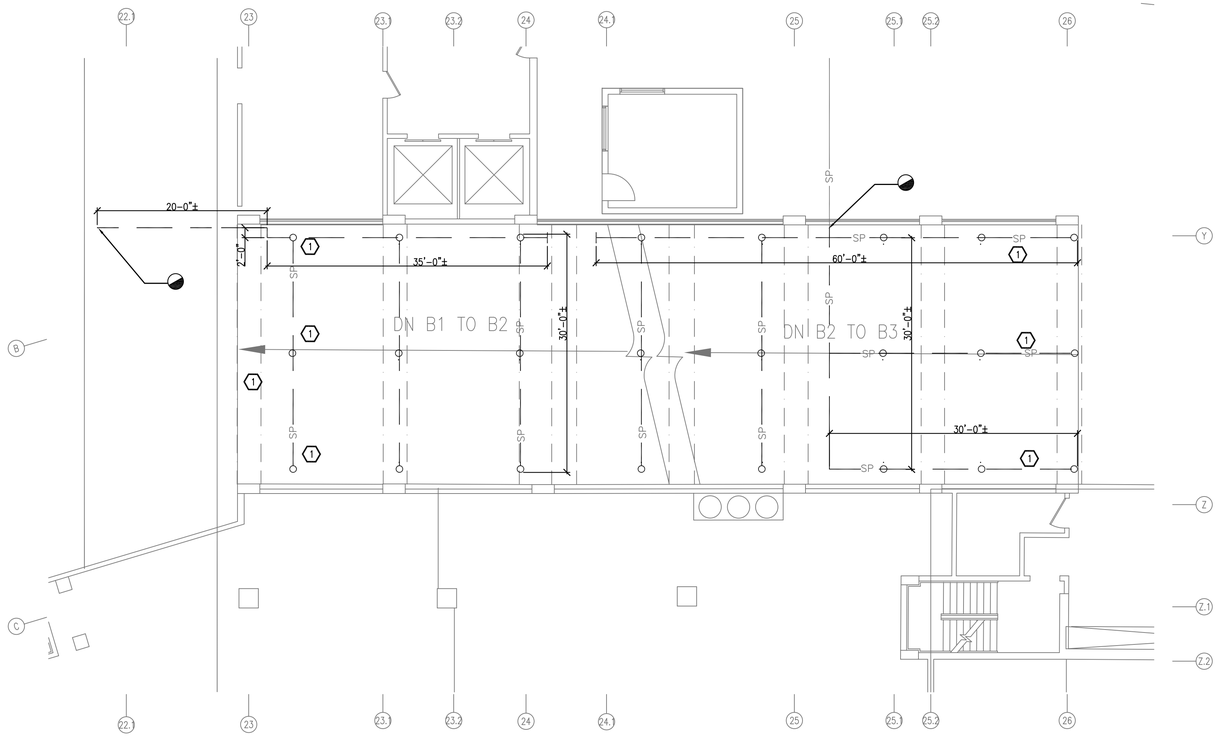


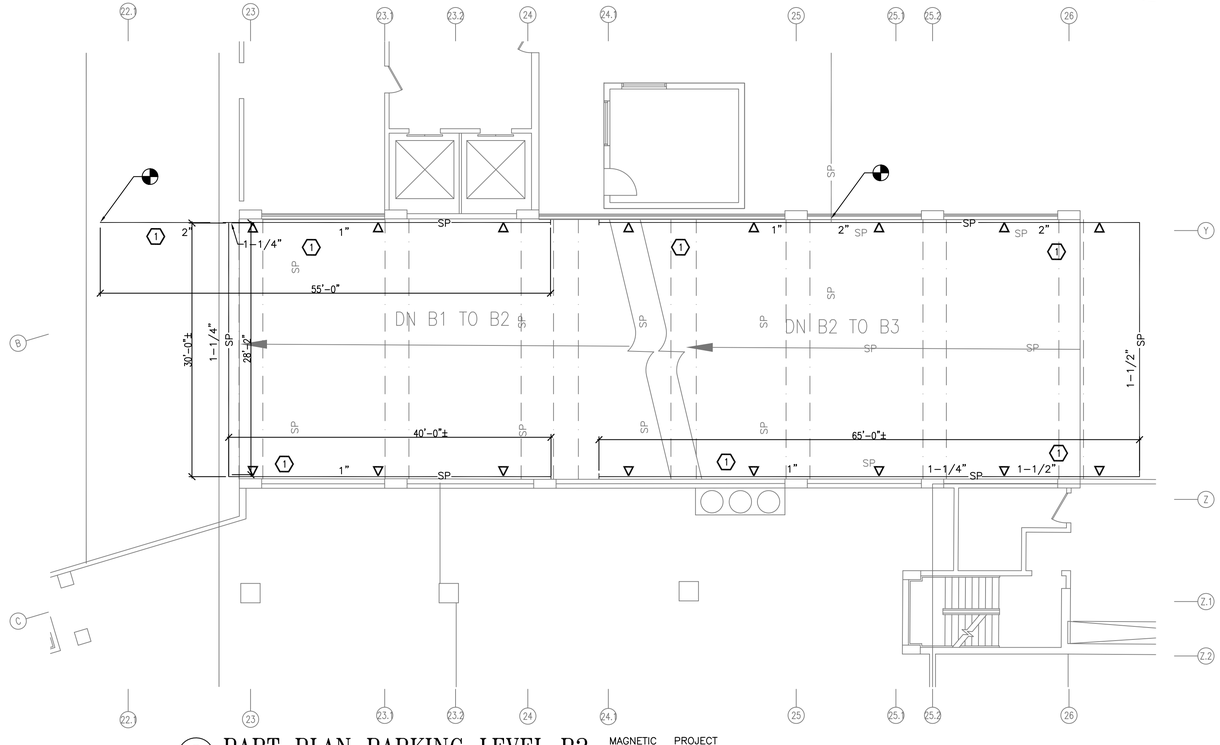
1 PART PLAN PARKING LEVEL B2 (DEMOLITION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH

WORK NOTES (DEMOLITION)

1. REMOVE EXISTING SPRINKLER HEADS AND PIPING AS INDICATED. INSTALL NEW PIPING PRIOR TO REMOVALS AS TO LIMIT DOWN TIME WITH OUT SPRINKLERS IN THIS AREA.



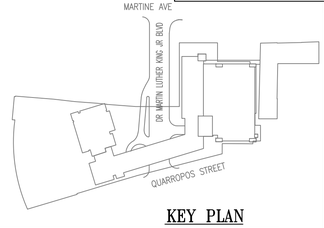
2 PART PLAN PARKING LEVEL B2 (CONSTRUCTION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH

WORK NOTES (CONSTRUCTION)

1. INSTALL NEW SIDEWALL SPRINKLER HEADS AND PIPING PRIOR TO DEMOLITION OF EXISTING SPRINKLERS, NEW SIDEWALL SPRINKLERS INSTALL SHALL REMAIN AS PERMANENT INSTALLATION.



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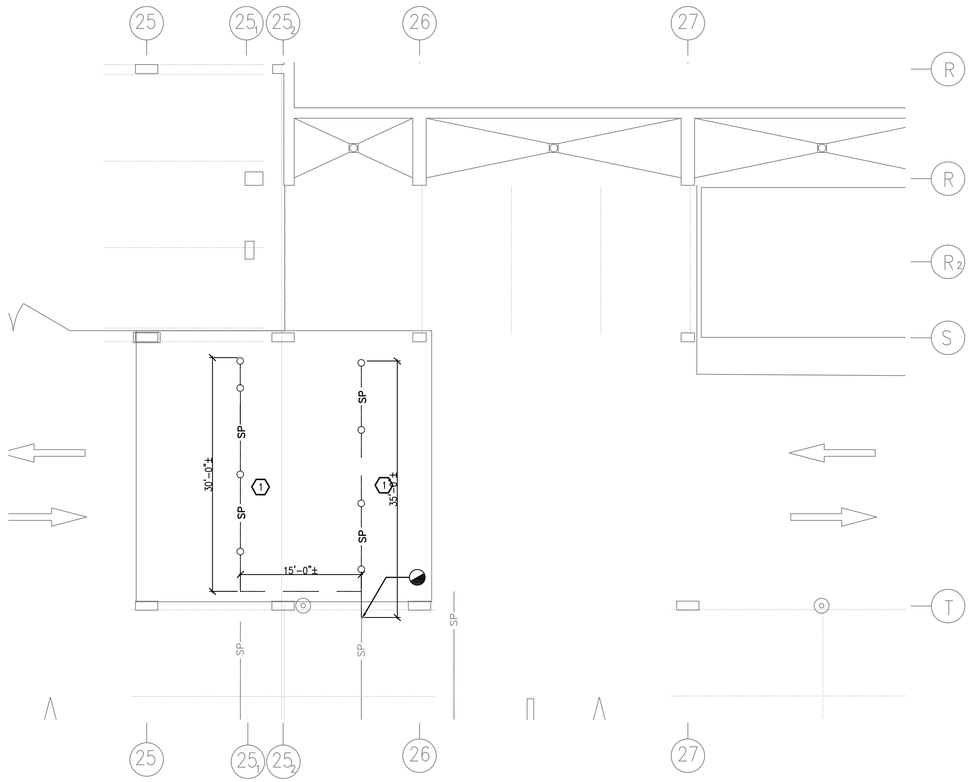
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

PARKING LEVEL B2 PART PLANS AND NOTES

CONTRACT NUMBER	19-515
SHEET NUMBER	FP-202(B2)
SHEET NO. 73 OF 97	
SCALE:	AS NOTED
DATE:	7-23-2020
DPW FILE NO.	52-01-FP-420-0
REV.	0

2020-7-27



1 PART PLAN PARKING LEVEL B2 (DEMOLITION)

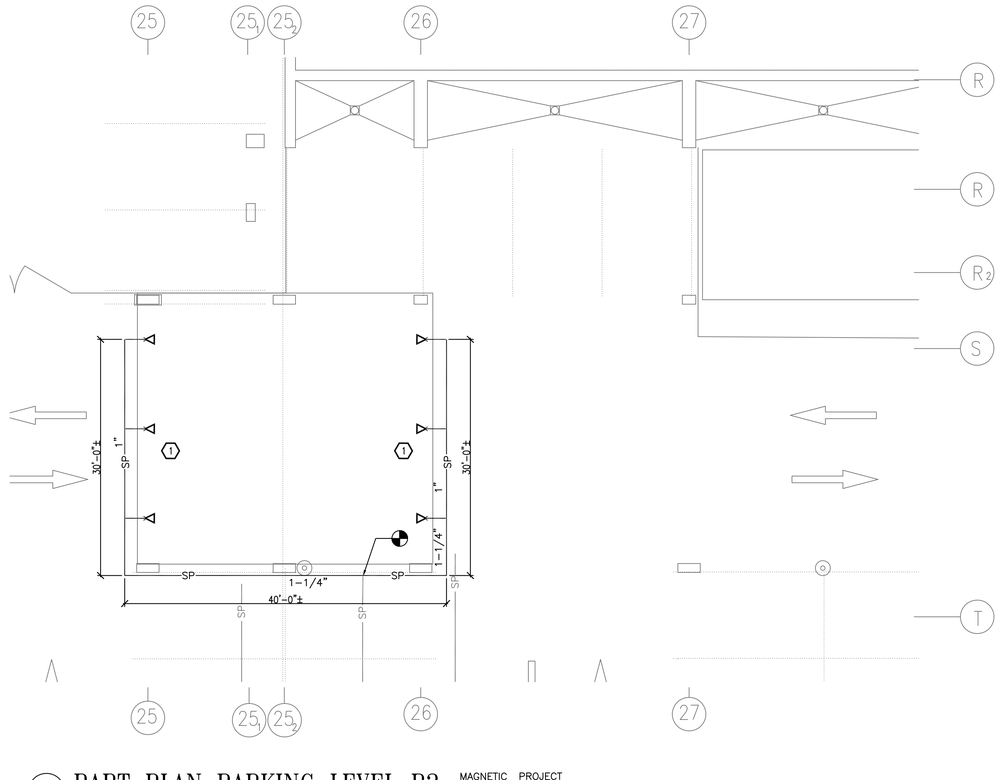
SCALE: 1/8"=1'-0"

MAGNETIC NORTH

PROJECT NORTH

WORK NOTES (DEMOLITION)

1. REMOVE EXISTING SPRINKLER HEADS AND PIPING AS INDICATED, INSTALL NEW PIPING PRIOR TO REMOVALS AS TO LIMIT DOWN TIME WITH OUT SPRINKLERS IN THIS AREA.



2 PART PLAN PARKING LEVEL B2 (CONSTRUCTION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH

PROJECT NORTH

WORK NOTES (CONSTRUCTION)

1. INSTALL NEW SIDEWALL SPRINKLER HEADS AND PIPING PRIOR TO DEMOLITION OF EXISTING SPRINKLERS, NEW SIDEWALL AND PENDENT SPRINKLERS INSTALL SHALL REMAIN AS PERMANENT INSTALLATION.

STATE OF NEW YORK
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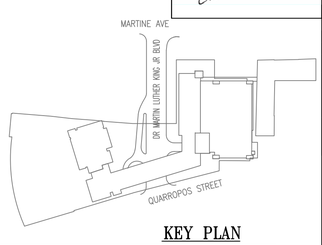

KEY PLAN

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PLUMBING GENERAL NOTES

INTENT OF DRAWINGS

DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK. BASIC DESIGN CONCEPTS INDICATED ARE MINIMAL AND MUST BE FOLLOWED OR BETTERED. DO NOT SCALE DRAWINGS. CONSULT ARCHITECTURAL DRAWINGS FOR SPACE CONDITIONS.

WORK IS NOT SHOWN IN FINITE DETAIL BUT IS INTENDED TO INCLUDE ITEMS NECESSARY FOR COMPLETION AND PROPER OPERATION.

COORDINATION OF WORK

CAREFULLY CHECK SPACE REQUIREMENTS WITH OTHER TRADES TO INSURE THAT ALL MATERIALS CAN BE INSTALLED IN THE SPACES ALLOTTED THERETO, INCLUDING FINISHED SUSPENDED CEILINGS. TRANSMIT TO OTHER TRADES ALL INFORMATION REQUIRED FOR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLE TIME FOR INSTALLATION.
ALL WORK IS NEW UNLESS DESIGNATED AS EXISTING.

WHEREVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES, COORDINATE WITH OTHER TRADES TO INSURE THAT ALL TRADES HAVE THE INFORMATION NECESSARY SO THEY MAY PROPERLY INSTALL ALL THE NECESSARY CONNECTIONS AND EQUIPMENT. IDENTIFY ALL WORK ITEMS (VALVES, DRAINS, ETC.) IN AN APPROVED MANNER IN ORDER THAT THE GENERAL CONTRACTOR WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS. CONSULT WITH OTHER TRADES REGARDING EQUIPMENT SO, WHEREVER POSSIBLE, MOTORS AND CONTROLS ARE OF THE SAME MANUFACTURE.

FURNISH AND SET ALL SLEEVES FOR PASSAGE OF PIPES AND CONDUITS THROUGH STRUCTURAL MASONRY AN CONCRETE WALLS AND FLOORS, AND ELSEWHERE AS WILL BE REQUIRED FOR THE PROPER PROTECTION OF EACH PIPE PASSING THROUGH BUILDING SURFACES. PROVIDE REQUIRED SUPPORTS AND HANGERS FOR PIPING, FIXTURES AND EQUIPMENT, SO LOADING WILL NOT EXCEED ALLOWABLE LOADINGS OF STRUCTURE.

ALL CUTTING AND PATCHING REQUIRED FOR PLUMBING WORK IN THE BUILDING STRUCTURE SHALL BE DONE BY THE GENERAL CONTRACTOR. PROVIDE ALL ITEMS AND WORK CALLED FOR IN THIS DIVISION OF THE SPECIFICATIONS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THIS INCLUDES ALL INCIDENTALS, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, SUPERVISION, LABOR CONSUMABLE ITEMS, FEES, LICENSES, ETC., NECESSARY TO PROVIDE COMPLETE SYSTEMS. PERFORM START UP AND CHECK OUT ON EACH ITEM AND SYSTEM TO PROVIDE FULLY OPERABLE SYSTEMS.

COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS. COMPLY WITH ALL FEDERAL, STATE, CITY, AND OTHER APPLICABLE CODES AND ORDINANCES SUBJECT TO PLUMBING DESIGN. IF ANY CONFLICT ARISES BETWEEN THESE SPECIFICATIONS, CODES AND ORDINANCES, IMMEDIATELY NOTIFY THE ARCHITECT. DO NOT DEVIATE FROM THE SPECIFICATIONS NOR INSTALL ANY WORK WHICH MAY BE IN CONFLICT WITH CODES AND ORDINANCES UNTIL THE CONFLICT IS RESOLVED AND THE SOLUTION APPROVED BY THE ARCHITECT.

NEW YORK STATE BUILDING CODE AND PLUMBING CODE.

PIPE HANGERS AND SUPPORTS: MSS SP-58.
AWWA STANDARDS.
UL COMPLIANCE.
COMPLY WITH REQUIREMENTS OF LOCAL UTILITY COMPANY.

CONFORM THE PLUMBING WORK TO THE REQUIREMENTS HEREIN. PROVIDE OFFSETS, FITTINGS, DRAINS, AND ACCESSORIES WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK, AND ARRANGE THE WORK ACCORDINGLY. PROVIDE SUCH PIPING, FITTINGS, VALVES, AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS.

WORKMANSHIP: ONLY THE BEST OF WORKMANSHIP IN ACCORDANCE WITH PRESENT STANDARDS WILL BE ACCEPTABLE. ANY WORK INSTALLED AND ADJUDGED BY THE ENGINEER TO BE BELOW STANDARDS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
PERMITS AND FEES

PLACE VALVES, UNIONS, DRAINS, AND ITEMS REQUIRING MAINTENANCE, ADJUSTMENT, OR REPAIR, IN ACCESSIBLE LOCATIONS.

ALL PIPING SHALL BE INSTALLED PER SEISMIC REQUIREMENT.

PIPE HANGER AND SUPPORT INSTALLATION

REFER TO MSS-SP-58; STANDARD FOR PIPE HANGERS AND SUPPORTS.

SUPPORT, ANCHOR, AND GUIDE PIPING SYSTEMS TO WITHSTAND STATIC AND DYNAMIC LOAD CONDITIONS, TO ALLOW FOR EXPANSION AND CONTRACTION; TO PREVENT VIBRATION AND SWAYING; TO MAINTAIN ALIGNMENT AND MINIMIZE VERTICAL DEFLECTION.

DO NOT SUPPORT PIPING FROM OTHER PIPING OR DUCTWORK. DO NOT USE WIRE, TAPE, METAL BANDS, OR OTHER MAKE-SHIFT DEVICES AS MEANS OF SUPPORT OR ATTACHMENT.

PIPE SLEEVE INSTALLATION

PROVIDE FOR PIPING PASSING THROUGH WALLS, PARTITIONS, AND SLAB SLEEVES SIZED AT LEAST 1 INCH LARGER THAN OD OF PIPE FOR UNINSULATED LINES AND OF PIPE PLUS INSULATION FOR INSULATED LINES.
SLEEVES ARE REQUIRED FOR PIPING PASSING THROUGH FIRE-RATED WALLS CONSTRUCTED OF METAL STUDS AND GYPSUM WALLBOARD. FLANGE ENDS OF SLEEVES TIGHT TO BOTH SIDES OF WALL.
TERMINATE SLEEVES THROUGH WALLS, PARTITIONS, AND CEILINGS FLUSH WITH FINISHED SURFACES; THROUGH SLABS 1/2" ABOVE FLOOR FINISH IN HABITABLE SPACES AND 2" ABOVE ROUGH FINISH IN PIPE SPACES AND OTHER UNFINISHED AREAS.

FILL VOID SPACES BETWEEN PIPING AND PIPE SLEEVES WITH PENETRATION SEAL, OR WITH MINERAL WOOD SEALED WITH FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIALS.

SUBMITTALS

PLUMBING:

PRODUCT DATA: SUBMIT MANUFACTURER'S TECHNICAL PRODUCT DATA, INCLUDING RATED CAPACITIES OF SELECTED MODEL CLEARLY INDICATED, FURNISHED SPECIALTIES AND ACCESSORIES; AND INSTALLATION INSTRUCTIONS.

SHOP DRAWINGS: SUBMIT MANUFACTURER'S ASSEMBLY TYPE SHOP DRAWINGS INDICATING DIMENSIONS, ROUGHING-IN REQUIREMENTS, REQUIRED CLEARANCES, AND METHODS OF ASSEMBLY OF COMPONENTS AND ANCHORAGES.

MAINTENANCE DATA: SUBMIT MAINTENANCE DATA AND PARTS LISTS FOR EACH TYPE OF PLUMBING FIXTURE AND ACCESSORY; INCLUDING "TROUBLE- SHOOTING" MAINTENANCE GUIDE. INCLUDE THIS DATA, PRODUCT DATA, AND AS BUILT DRAWINGS IN 3 RING BINDER AT COMPLETION OF PROJECT.

ADJUSTMENTS

UPON COMPLETION OF WORK, PERFORM THE FOLLOWING ADJUSTMENT PROCEDURES:

ADJUST SYSTEMS COMPONENTS FOR PROPER PERFORMANCE.

OPEN AND CLOSE VALVES, SET IN PROPER OPERATING POSITION.

PIPING IDENTIFICATION

CONSPICUOUSLY IDENTIFY PIPING WITH SELF-ADHERING VINYL PLASTIC COLOR BANDS AND PIPE MARKERS IMPRINTED WITH LEGEND, BASED ON ANSI A13.1 "SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEMS".

APPLY LEGENDS TO FEED AND CROSS MAIN PIPING ADJACENT TO CHANGES IN DIRECTION, WHERE PIPES PASS THROUGH WALLS OR FLOORS, AT INTERVALS NOT EXCEEDING 40 FEET ON STRAIGHT PIPING RUNS, AND ADJACENT TO CROSS MAN CONNECTIONS WITH FEED MAIN.

CLEANING

CLEAN PIPING PRIOR TO PAINTING.

UPON COMPLETION OF WORK PERFORM THE FOLLOWING CLEANING PROCEDURES:

REMOVE PROTECTIVE COVERS AFTER PAINTING.
CLEAN PIPING AND EQUIPMENT.
REMOVE SURPLUS MATERIALS AND RUBBISH.
RESTORE DAMAGED SURFACE FINISHES.

INSTALLATION - GENERAL

PREPARATION: CUT PIPE AND TUBING ENDS SQUARE, REMOVE BURRS AND REAM TO ORIGINAL BORE. CLEAN JOINT SURFACES PRIOR TO ASSEMBLY. WIPE OFF EXCESS JOINTING COMPOUNDS AND FLUX RESIDUE.

MECHANICAL COUPLING: USE MANUFACTURER'S MATERIALS AND METHODS.

PIPE HANGER AND SUPPORT INSTALLATION

REFER TO MSS-SP-58; STANDARD FOR PIPE HANGERS AND SUPPORTS.

SUPPORT, ANCHOR, AND GUIDE PIPING SYSTEMS TO WITHSTAND STATIC AND DYNAMIC LOAD CONDITIONS, TO ALLOW FOR EXPANSION AND CONTRACTION; TO PREVENT VIBRATION AND SWAYING; TO MAINTAIN ALIGNMENT AND MINIMIZE VERTICAL DEFLECTION.

DO NOT SUPPORT PIPING FROM OTHER PIPING OR DUCTWORK. DO NOT USE WIRE, TAPE, METAL BANDS, OR OTHER MAKE-SHIFT DEVICES AS MEANS OF SUPPORT OR ATTACHMENT.

FIRE/SMOKE STOPPING

FILL VOID SPACE BETWEEN PIPING AND PIPE SLEEVES WITH AN APPROVED FIRE/SMOKE SEAL.

GENERAL: TEST PLUMBING SYSTEMS TO SATISFACTION OF BUILDING OFFICIAL. DO NOT CLOSE IN, CONCEAL, OR COVER UP ANY WORK UNTIL IT HAS BEEN TESTED, INSPECTED, AND APPROVED.

FLUSH PIPING, PRIOR TO TESTING, TO REMOVE FOREIGN MATERIALS WHICH MAY HAVE ENTERED DURING COURSE OF INSTALLATION. CLEAN FILTERS AND STRAINERS AFTER FLUSHING.

GUARANTEE

SUPPLY TWO COPIES OF A WARRANTY COUNTERSIGNED AND GUARANTEED BY CONTRACTOR, STATING THAT IMPERFECT SYSTEM OPERATION AND ALL DEFECTS IN LABOR AND MATERIALS OF WORK WILL BE REPAIRED WITHOUT COST TO OWNER FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION, AND STATING THAT ALL EQUIPMENT HAS BEEN FULLY SERVICED AND LEFT IN PROPER OPERATING CONDITION.

ALSO GUARANTEE THAT SERVICING WILL BE PROVIDED WITHOUT COST DURING GUARANTEE PERIOD.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	COLD WATER PIPING
	HOT WATER PIPING
G	GAS PIPING
W	SANITARY PIPING
SD	STORM DRAIN PIPING
	VENT PIPING
	RECIRCULATING HOT WATER PIPING
	ELBOW UP
	ELBOW DOWN
	TEE UP
	TEE DOWN
	VALVE IN RISER
	GATE VALVE
	OS&Y GATE VALVE
	ANGLE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALL VALVE
	BUTTERFLY VALVE
	SAFETY RELIEF VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	BACKWATER VALVE
	PIPE ANCHOR
	PIPE GUIDE
	PIPE SLEEVE THRU WALL
	P-TRAP
	RUNNING TRAP
HB	HOSE BIBB
WH	WALL HYDRANT
	TRAP SEAL PRIMER
	FLEX CONNECTION
	STRAINER
	UNION
	FLANGE CONNECTION
CO	CLEAN OUT
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
FD	FLOOR DRAIN
AD	AREA DRAIN
FS	FLOOR SINK
RD	ROOF DRAIN
	SHOWER HEAD
	PRESSURE GUAGE
	THERMOMETER
	CONNECT TO EXISTING
	DISCONNECT FROM EXISTING
	HOT WATER RECIRCULATION
R1	RISER DESIGNATION
	TRENCH DRAIN
FD	FLOOR DRAIN

ABBREVIATIONS LIST

CW	COLD WATER	EHWH	ELECTRIC HOT WATER HEATER
C.O.	CLEAN OUT	HLAV	HANDICAPPED LAVATORY
DN.	DOWN	HWC	HANDICAPPED WATER CLOSET
FD	FLOOR DRAIN	LAV	LAVATORY
F.C.O.	FLOOR CLEAN OUT	WC	WATER CLOSET
GPM	GALLONS PER MINUTE	SK	SINK
HW	HOT WATER	WASH	WASHER
MS	MOP SINK	RTU	ROOFTOP UNIT
S	SANITARY	VTR	VENT THROUGH ROOF
SK	SINK	PSK	PANTRY SINK
V	VENT	BT/SH	BATH TUB/SHOWER
		RHW	RECIRCULATING HOT WATER
V.I.F.	VERIFY IN FIELD		
WF	WATER FOUNTAIN		
W	WASTE		
WCO	WALL CLEANOUT		
WHA	WATER HAMMER ARESTOR		

GENERAL NOTES

1. THE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE PLUMBING SECTION OF THE BUILDING CODE OF THE STATE OF NEW YORK

2. CONTRACTOR SHALL SCHEDULE AND PERFORM HIS WORK IN COORDINATION WITH THE OWNERS REPRESENTATIVE.

3. ALL WORK SHALL BE IN COMPLIANCE WITH OWNERS REQUIREMENTS AND IN COOPERATION WITH THE OWNERS REPRESENTATIVE.

4. LOCATIONS OF EQUIPMENT ROUGHING SHOWN ON THIS DRAWING ARE DIAGRAMMATIC AND THE CONTRACTOR SHALL VERIFY FINAL EQUIPMENT SIZE, LOCATION AND ALL ROUGHING REQUIREMENTS.

5. PITCH ON DRAIN PIPING SHALL BE NO LESS THAT 1/4" PER FOOT OF RUN.

6. ALL PIPING INSTALLED ON THE PROJECT SHALL BE PRESSURE TESTED PER NEW YORK STATE CODE. WATER PIPING SHALL BE HYDROSTATICALY TESTED TO 200 PSIG FOR A PERIOD OF ONE HOUR WITHOUT LOSS OF PRESSURE. SANITARY, WASTE AND VENT ROUGH PIPING SHALL BE TESTED AS A SYSTEM OR IN SECTIONS. IF TESTED AS A SYSTEM ALL OPEN PIPING SHALL BE TIGHTLY CLOSED, EXCEPT THE HIGHEST OPENING, AND THE SYSTEM COMPLETELY FILLED WITH WATER TO POINT OF OVERFLOW. ALL SYSTEM JOINTS SHALL BE INSPECTED FOR WATER TIGHTNESS. ANY JOINT FOUND LEAKING SHALL BE REPAIRED AND THE TEST REPEATED UNTIL SYSTEM JOINTS ARE WATER TIGHT. IF SYSTEM IS TESTED IN SECTIONS, EACH OPENING SHALL BE TIGHTLY PLUGGED EXCEPT THE HIGHEST OPENING OF THE SECTION UNDER TEST, AND EACH SECTION SHALL BE FILLED WITH WATER BUT NO SECTION SHALL BE TESTED WITH LESS THAN 10-FOOT HEAD OF WATER. WATER SHALL BE KEPT IN THE SYSTEM OR THE PORTION UNDER TEST FOR AT LEAST 15 MINUTES BEFORE INSPECTION STARTS. AFTER THE FIXTURES HAVE BEEN SET AND THEIR TRAPS FILLED WITH WATER, THEIR CONNECTIONS SHALL BE TESTED AND PROVED GAS AND WATER TIGHT. GAS TIGHTNESS TESTS SHALL BE CONDUCTED USING EITHER THE SMOKE OR PEPPERMINT TEST.

7. THE USE OF THREADED ROD FOR SUPPORTS IN COMPRESSION SHALL NOT BE ACCEPTED. THE CONTRACTOR SHALL USE B-LINE SYSTEMS B22 CHANNEL, IN SINGLE OR COMBINATION SHAPES, WITH APPROPRIATE ACCESSORIES. B-LINE B280 POST BASE SHALL BE USED FOR ALL VERTICAL SUPPORTS. FINISH SHALL BE B-LINE "DURA-GREEN" EPOXY COATING.

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148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ABBREVIATION LIST, GENERAL NOTES AND LEGEND

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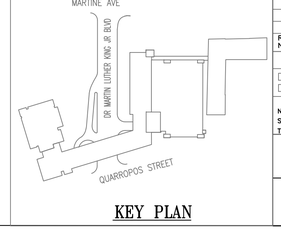
1 LOCATION PART PLAN PARKING LEVEL B3 (CONSTRUCTION)

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

MAGNETIC NORTH

PROJECT NORTH



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LOCATION PART PLAN PARKING LEVEL B3

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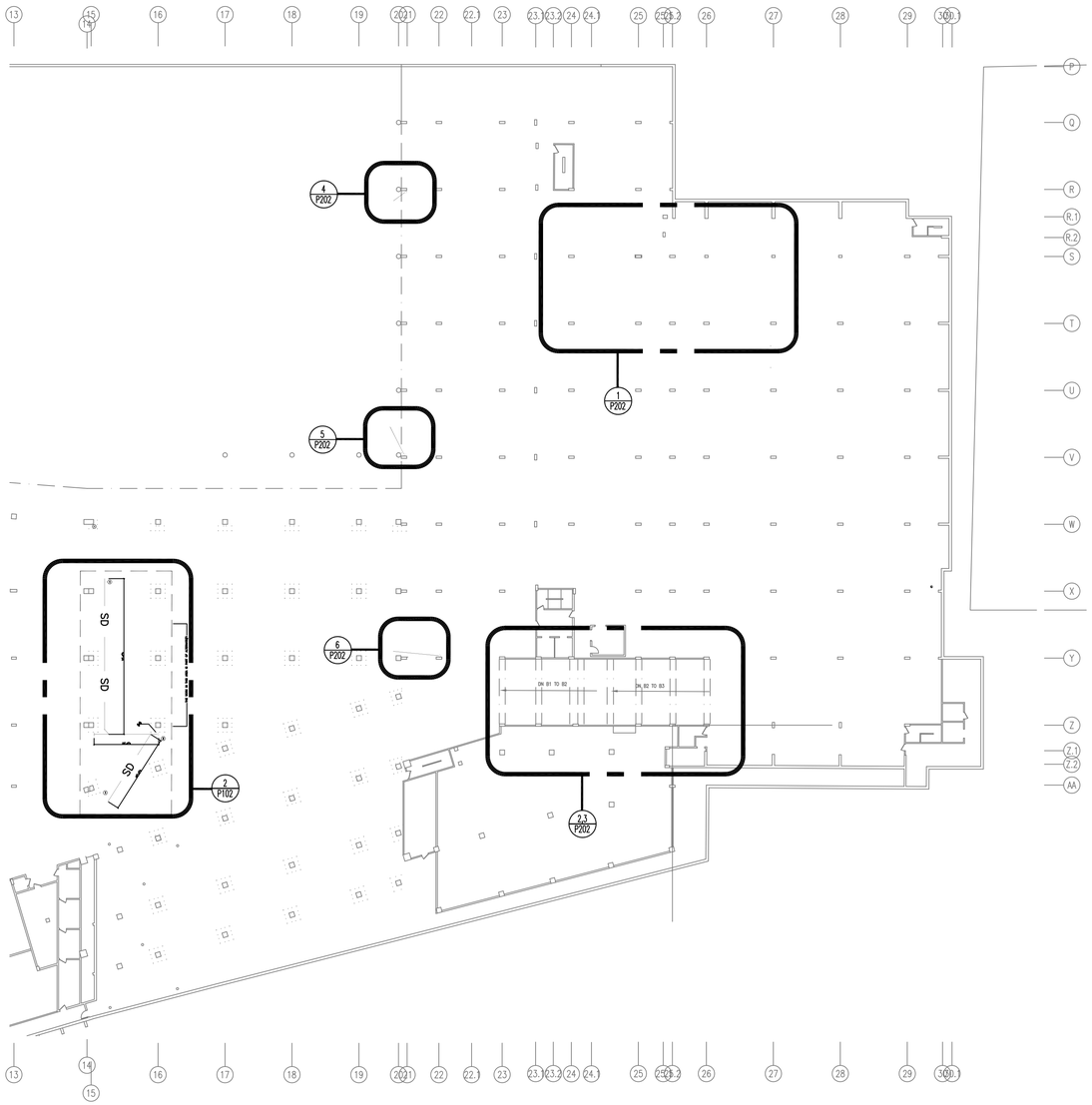
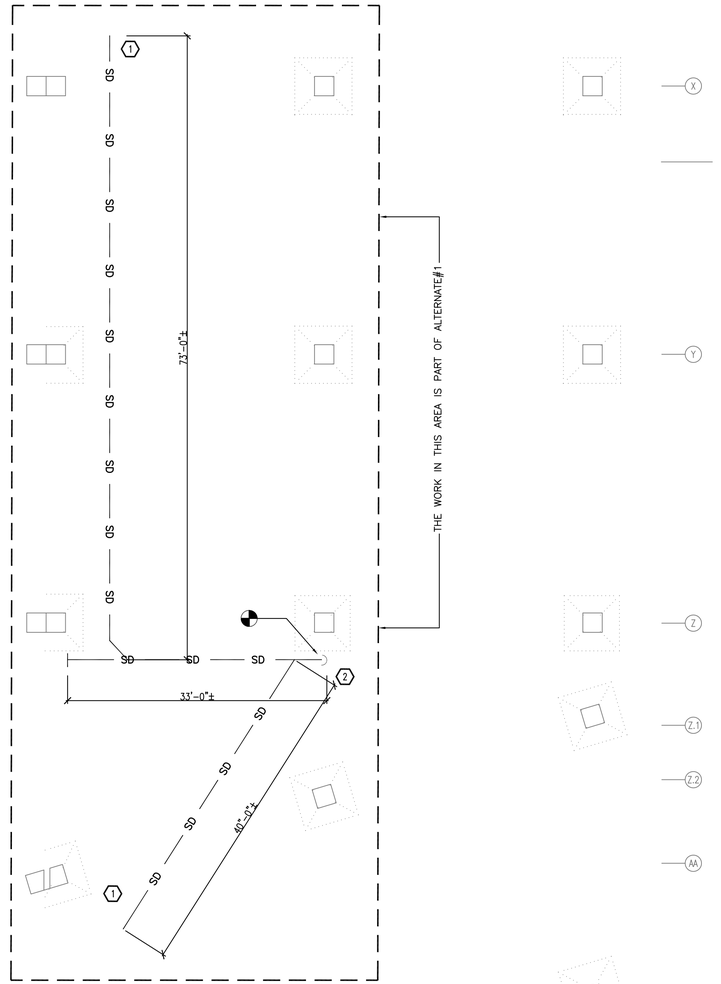


1 LOCATION PART PLAN PARKING LEVEL B2

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

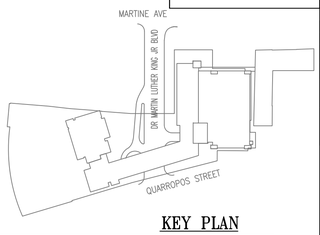


2 PART PLAN PARKING LEVEL B2

SCALE: 1/8"=1'-0"

CONSTRUCTION WORK NOTES

1. 3" UP TO MANHOLE DRAIN.
2. 3" DOWN TO B3.



KEY PLAN

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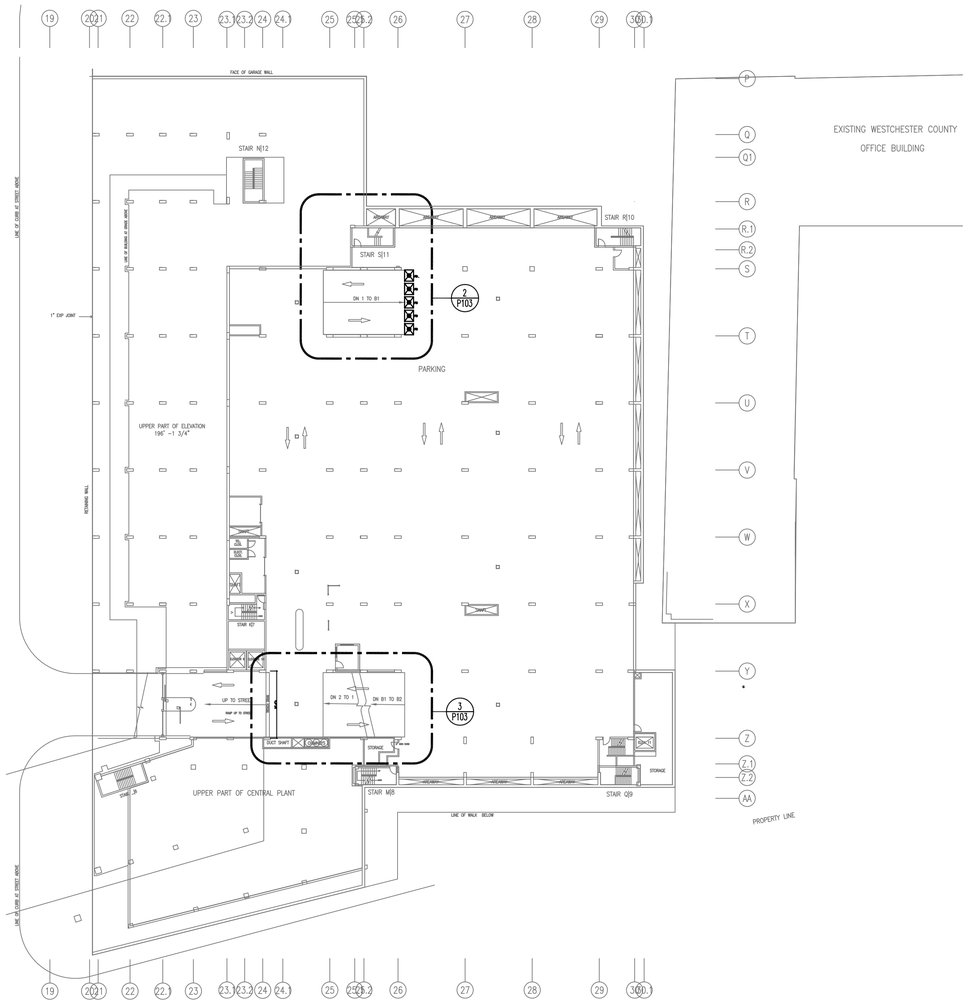
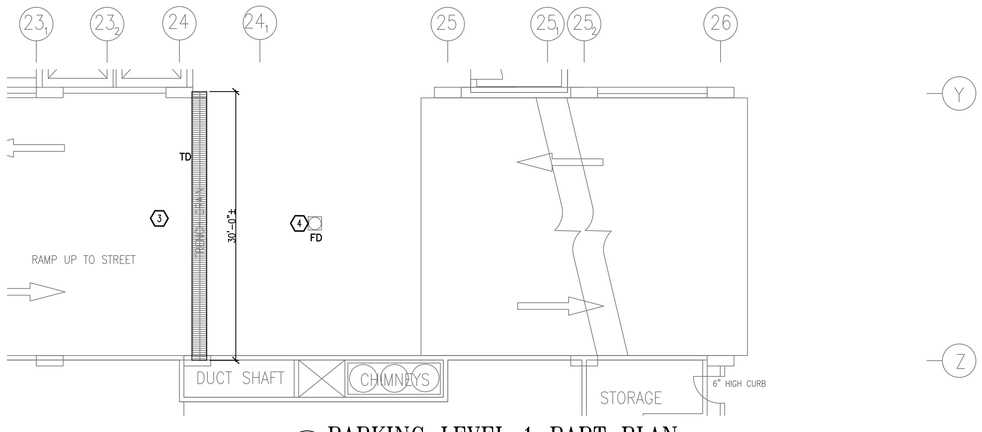


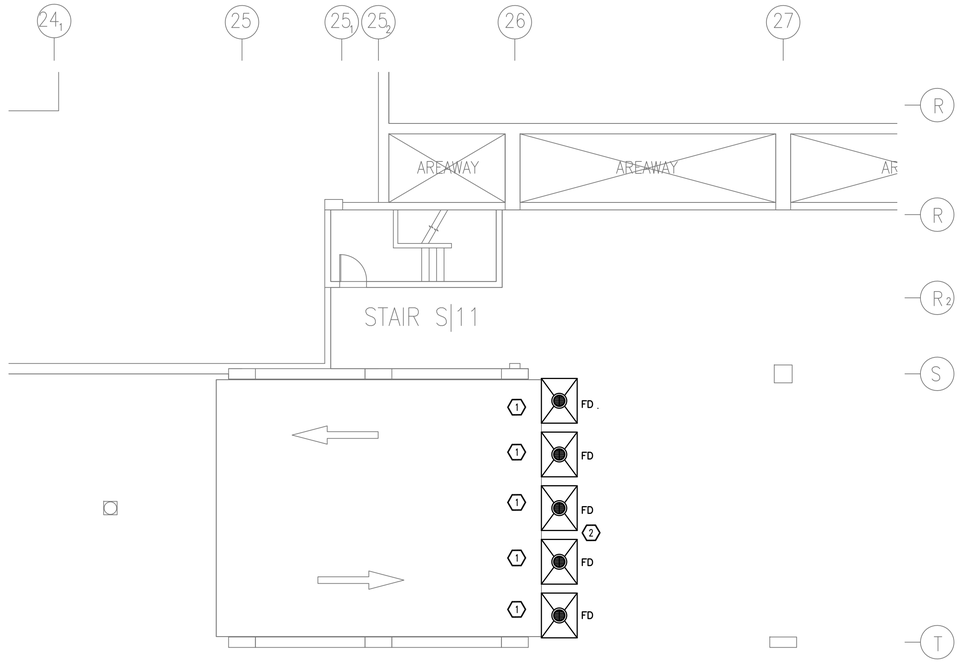
1 LOCATION PART PLAN PARKING LEVELS B1 AND 1 PLAN

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



3 PARKING LEVEL 1 PART PLAN

SCALE: 1/8"=1'-0"



2 PARKING LEVEL B1 PART PLAN

SCALE: 1/8"=1'-0"

WORK NOTES (CONSTRUCTION)

1. FLOOR DRAINS PIPED BELOW. FOR EXACT LOCATION OF FLOOR DRAINS SEE STRUCTURAL DRAWINGS.
2. FOR PIPING ON CEILING OF LEVEL B2, SEE DRAWING P-202
3. REMOVE AND REPLACE EXISTING TRENCH DRAIN, FOR PIPING SEE DRAWING P-202, TRENCH DRAIN TO BE INSTALLED IN (2) 15'-0" ASSEMBLIES
4. REMOVE AND REPLACE EXISTING FLOOR DRAIN, FOR PIPING SEE DRAWING P-202

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CBK REF NO. 18119

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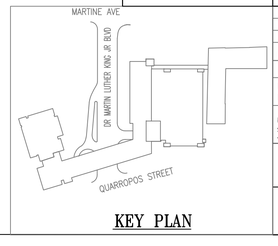

KEY PLAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
	7/31/2020			RELEASE FOR BID
	7/23/2020			FOR COMMISSIONER MEETING

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

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WESTCHESTER COUNTY, NEW YORK
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AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER: 19-515
SHEET NUMBER: P-103(B1)
SHEET NO. 78 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

LOCATION PLAN LEVELS B1 AND 1 AND CONSTRUCTION PART PLAN

SCALE: AS NOTED
DATE: 7-23-2020
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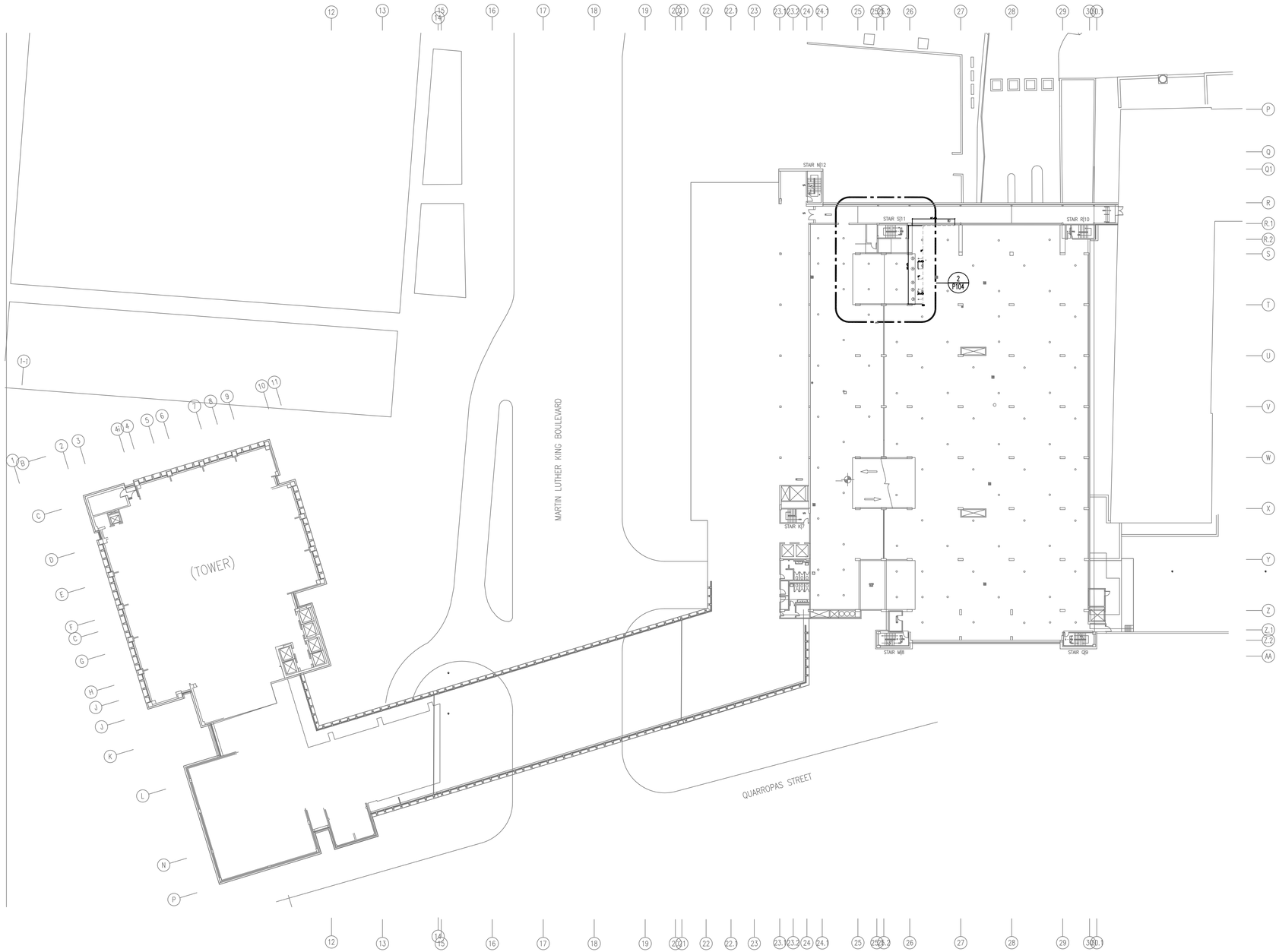
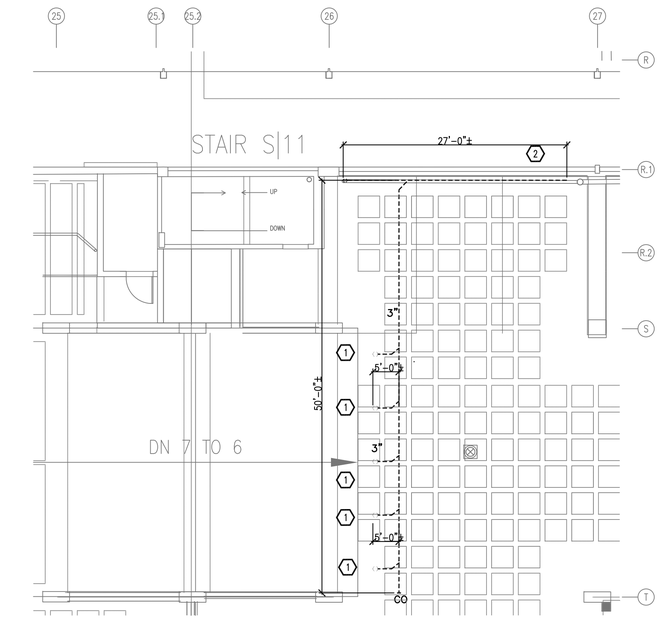
REV. NO.

2020-7-27



1 LOCATION PART PLAN PARKING LEVELS 6 AND 7

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

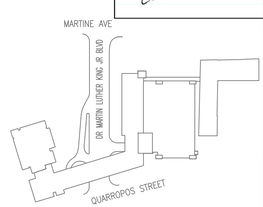


2 PARKING LEVEL 6 PART PLAN

SCALE: 1/8"=1'-0"

WORK NOTES

1. DRAIN PIPING UP TO FLOOR DRAIN ABOVE..
2. CONNECT TO EXISTING STORM DRAIN PIPING.



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CBK REF NO. 18119

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	7/23/2020			FOR COMMISSIONER MEETING

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

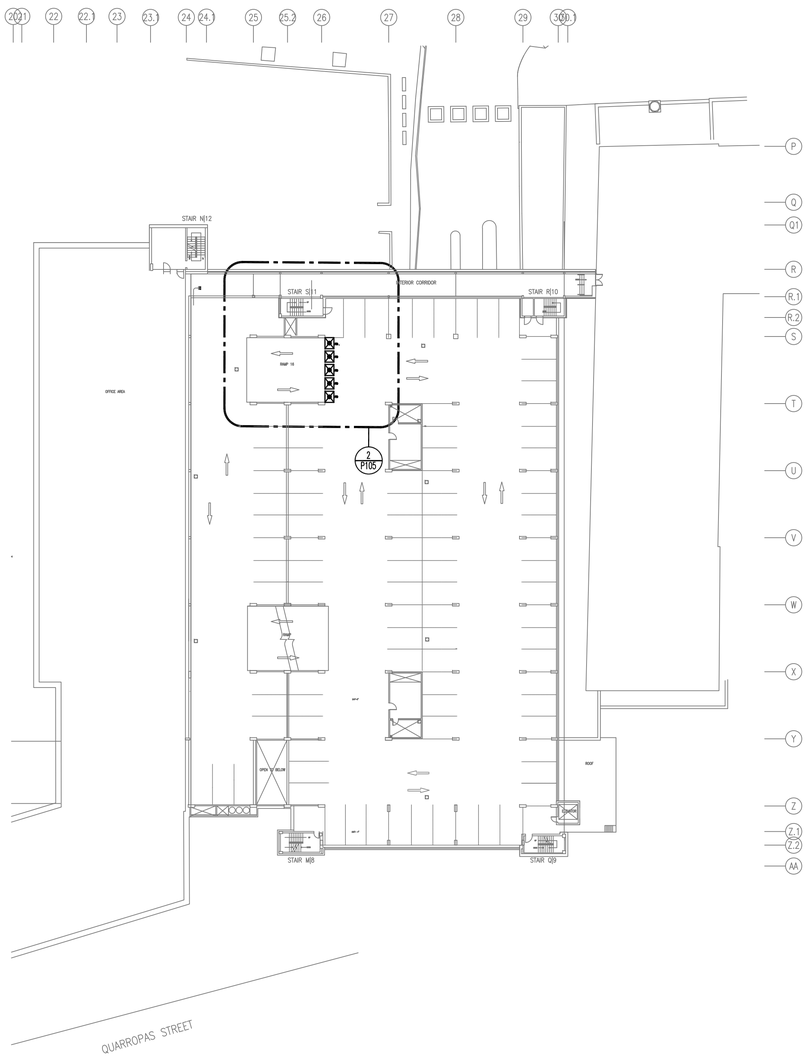
CONTRACT NUMBER: 19-515
SHEET NUMBER: P-104(1&17)
SHEET NO. 79 OF 97

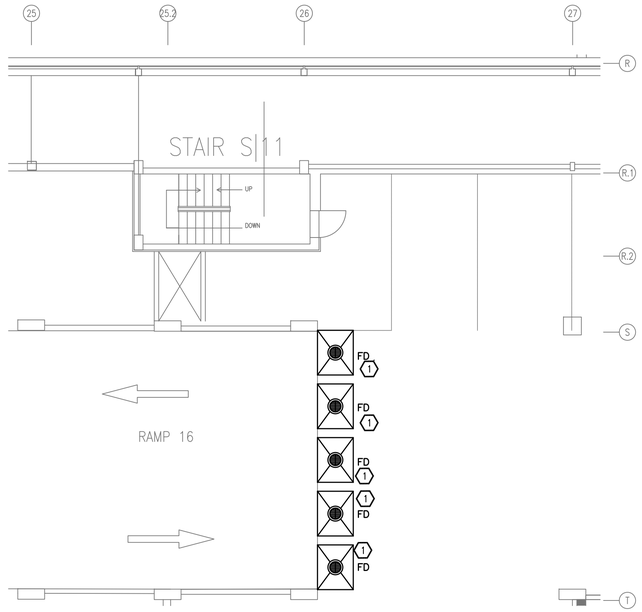
PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

LOCATION PLAN LEVELS 6 AND 7 AND CONSTRUCTION PART PLAN

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-P426-0
REV. NO.

2020-7-27



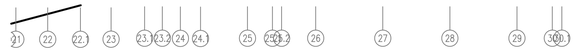


2 PARKING LEVEL 8 PART PLAN

SCALE: 1/8"=1'-0"

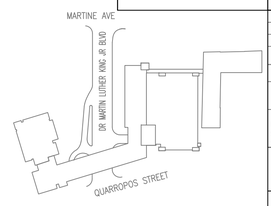
WORK NOTES

1. NEW FLOOR DRAINS. FOR PIPING SEE DRAWING P-104. FOR EXACT LOCATION OF FLOOR DRAINS SEE STRUCTURAL DRAWINGS.



1 LOCATION PART PLAN PARKING LEVELS 8 AND 9 PLAN

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



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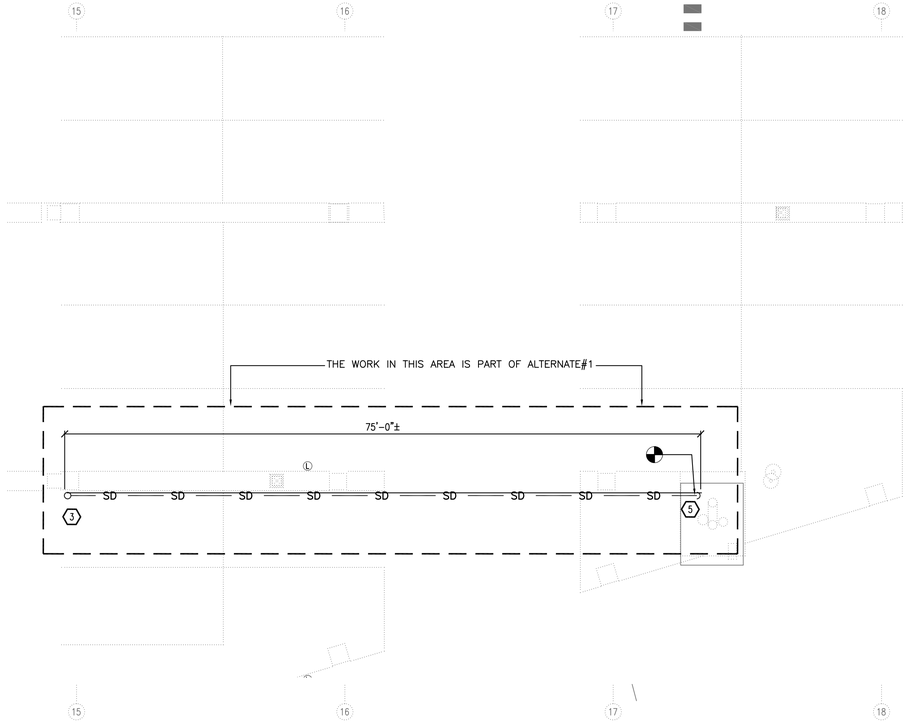
CONTRACT NUMBER: 19-515
SHEET NUMBER: P-105(ULG)
SHEET NO. 80 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MCHALEJIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

LOCATION PLAN LEVELS 8 AND 9 AND CONSTRUCTION PART PLANS

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-P-427-0
REV. NO.

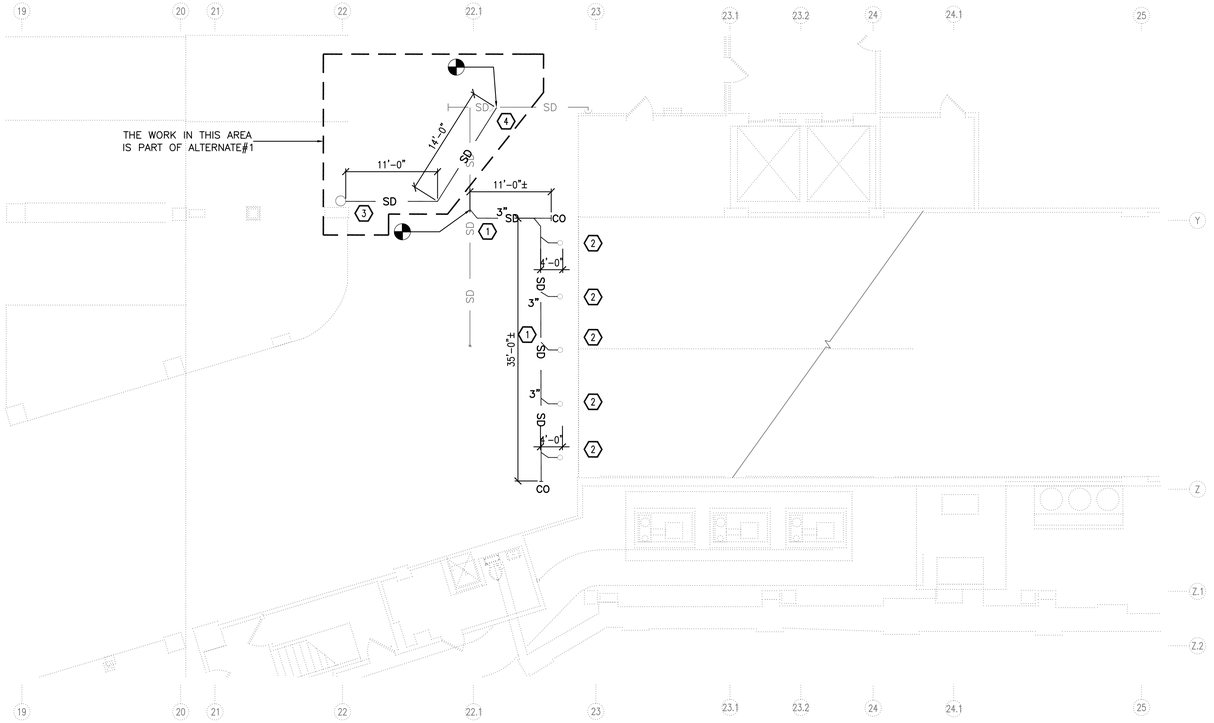
2020-7-27

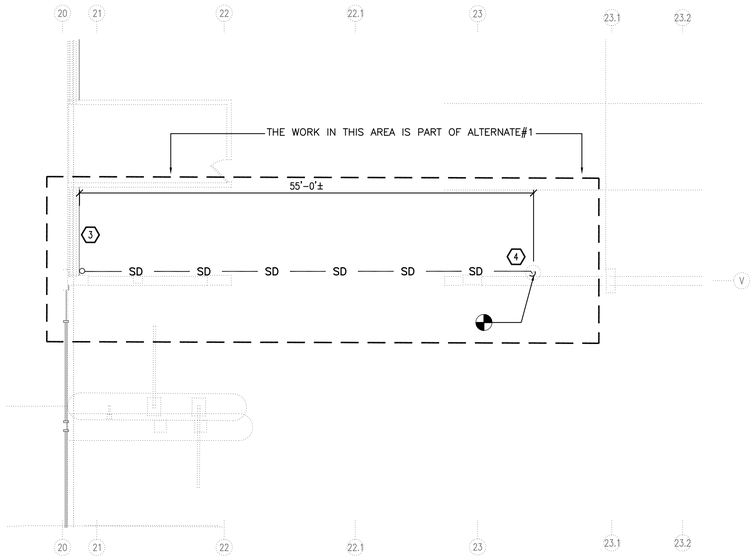


1 PART PLAN PARKING LEVEL B3 (CEILING CONSTRUCTION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH

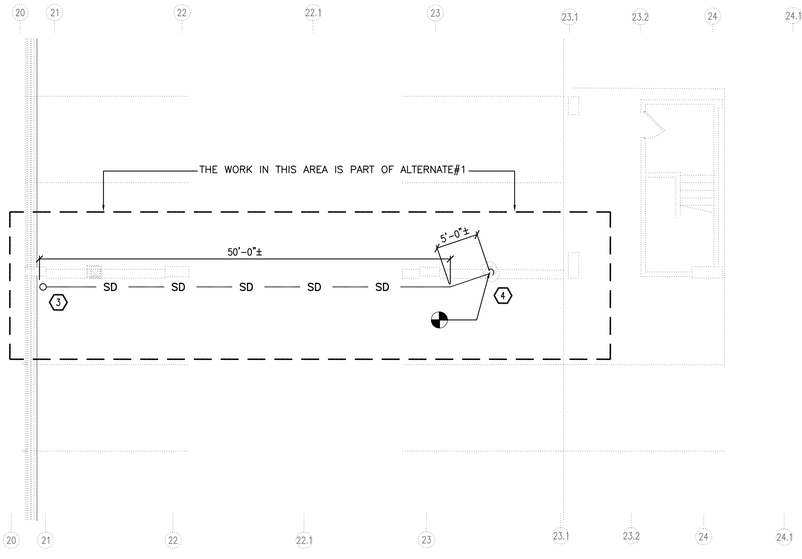




2 PART PLAN PARKING LEVEL B3 (CEILING CONSTRUCTION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH



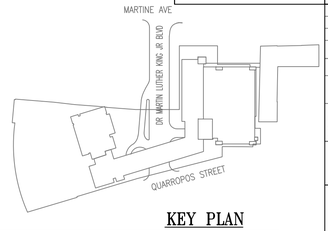
3 PART PLAN PARKING LEVEL B3 (CEILING CONSTRUCTION)

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH

CONSTRUCTION WORK NOTES

1. 3" PIPING AT CEILING OF B3 LEVEL. CONNECT TO EXISTING PIPING AT CEILING.
2. 3" RISER TO FLOOR DRAINS AT LEVEL B2
3. 3' UP TO B-2
4. 3" CONNECT TO EXISTING STORM DRAIN RISER.
5. 3" DROP INTO EXISTING SUMP PIT.



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PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

PARKING LEVEL B3 PART PLANS AND NOTES

CONTRACT NUMBER: 19-515
SHEET NUMBER: P-201(B3)
SHEET NO. 81 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-P-428-0
REV. NO.:

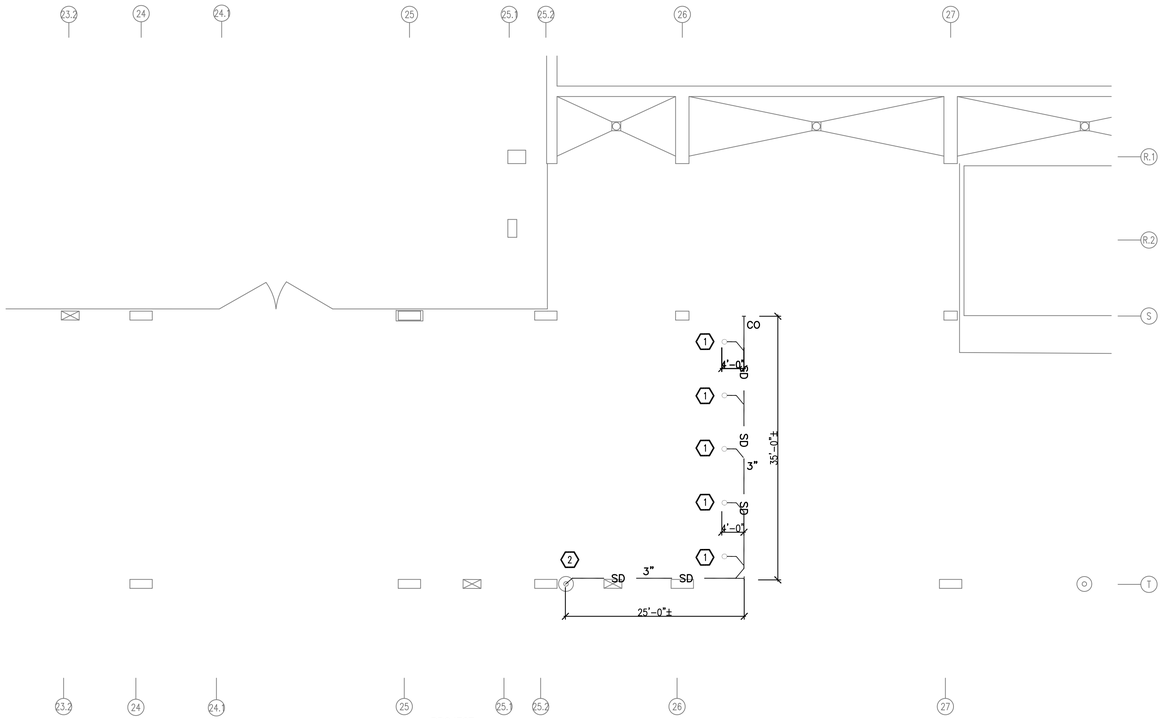
2020-7-27

WORK NOTES (CONSTRUCTION)

1. PIPING UP TO FLOOR DRAIN ON LEVEL B1.
2. CONNECT TO EXISTING DRAIN PIPING.
3. FLOOR DRAIN PIPED BELOW.
4. FOR PIPING ON CEILING OF LEVEL B3. SEE DRAWING P-201
5. REMOVE AND REPLACE EXISTING DRAIN PIPING. COORDINATE WITH GC FOR RAMP REPLACEMENT.
6. UP TO MANHOLE DRAIN AND 3" DOWN TO B3

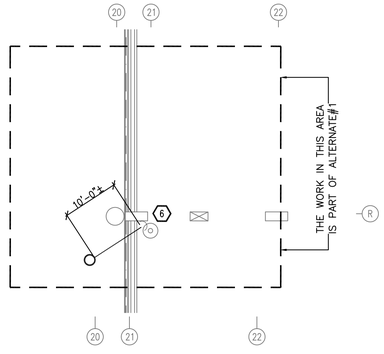
FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/MODEL NUMBER	DESCRIPTION
TD	TRENCH DRAIN	JAY R SMITH 9930	POLYPROPYLENE TRENCH DRAIN SYSTEM INSTALLED TO SLOPE FROM 4" TO 5.38" DEPTH PROVIDE 9820 -430-SSM GRATE
FD	FLOOR DRAIN	JAY R SMITH 2143	HEAVY DUTY FLOOR DRAIN 15" DIAMETER WITH NICKEL BRONZE STRAINER
MD	MANHOLE DRAIN	JAY R SMITH 1470	CORROSION RESISTANT CAST IRON DRAIN BODY AND GRATE



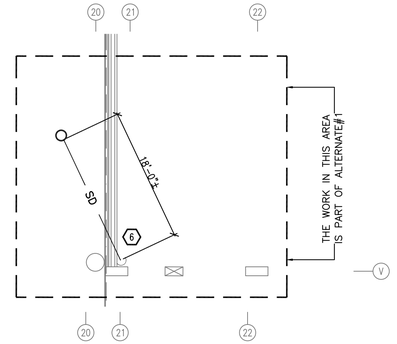
1 PART PLAN PARKING LEVEL B2 (CONSTRUCTION)

SCALE: 1/8"=1'-0"



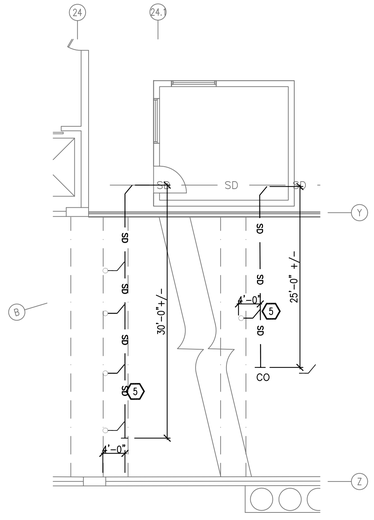
4 PART PLAN PARKING LEVEL B2 (CONSTRUCTION)

SCALE: 1/8"=1'-0"



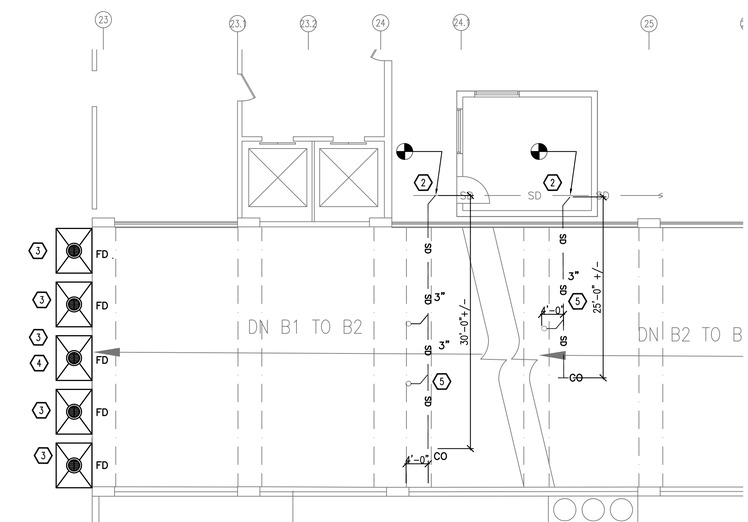
5 PART PLAN PARKING LEVEL B2 (CONSTRUCTION)

SCALE: 1/8"=1'-0"



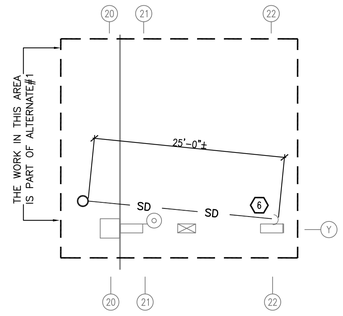
2 PART PLAN PARKING LEVEL B2 (REMOVALS)

SCALE: 1/8"=1'-0"



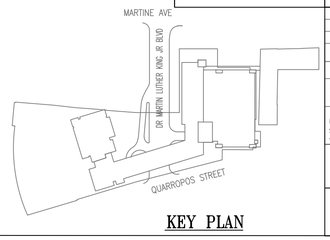
3 PART PLAN PARKING LEVEL B2 (CONSTRUCTION)

SCALE: 1/8"=1'-0"



6 PART PLAN PARKING LEVEL B2 (CONSTRUCTION)

SCALE: 1/8"=1'-0"



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WESTCHESTER COUNTY, NEW YORK
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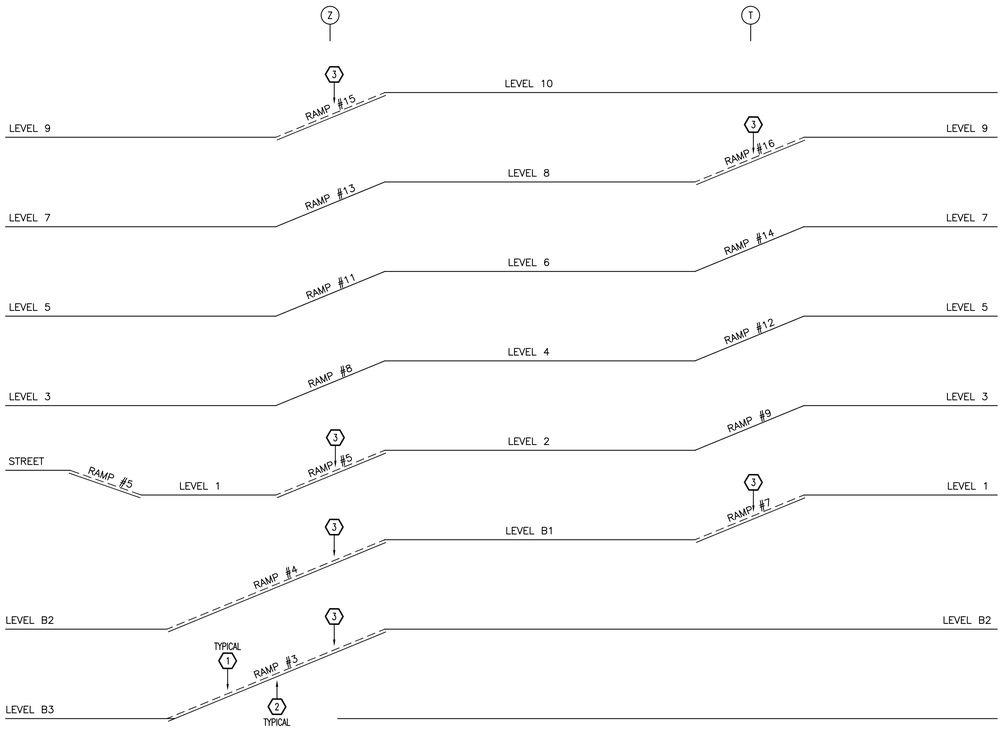
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

PARKING LEVEL B2 PART PLANS AND NOTES

CONTRACT NUMBER	19-515
SHEET NUMBER	P-202(B2)
SHEET NO. 82 OF 97	
SCALE: AS NOTED	
DATE: 7-23-2020	
DPW FILE NO.	52-01-P=429-0
REV. NO.	

2020-7-27



1 PARKING STRUCTURE RAMP RISER

SCALE: NO SCALE

1. DASHED LINE INDICATES RAMP TO BE REPAIRED, REMOVED OR PARTIALLY REMOVED.
2. HEAVY LINE INDICATES RAMP BEING REPLACED OR REPAIRED.
3. SCAN THIS RAMP USING GROUND PENETRATING RADAR. IDENTIFY AND LOCATE POTENTIAL RACEWAYS EMBEDDED IN THE CONCRETE SLAB. INFORM THE OWNER'S REPRESENTATIVE OF ANY POTENTIAL DISRUPTION OF ELECTRICAL SERVICE BY THE WORK UNDER THIS PROJECT.

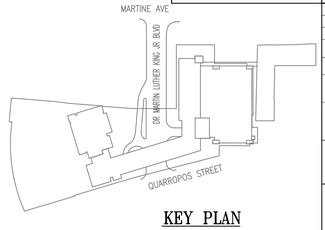
SYMBOLS LIST

- DETAIL REFERENCE MARKER. UPPER NUMBER(S) INDICATE THE DETAIL NUMBER(S); LOWER INDICATES DRAWING LOCATION FOR DETAIL.
- WORK ITEM REFERENCE.
- FIRE ALARM SYSTEM AUDIO/VISUAL INDICATIONG APPLIANCE.
- FIRE ALARM SYSTEM MANUAL PULL STATION.
- FIRE ALARM SYSTEM OPEN ARE SMOKE DETECTOR.
- LIGHTING FIXTURE.
- LIGHTING FIXTURE.
- JUNCTION BOX.
- JUNCTION BOX FLUSH WALL MOUNTED.
- MOTOR OR MECHANICAL EQUIPMENT.
- CEILING MOUNTED LIGHTING FIXTURE. CREE IGNM5S40KULWHIGPD–PML 66WATT LOW PROFILE GARAGE LIGHT UNLESS OTHERWISE NOTED.
- EM CEILING MOUNTED LIGHTING FIXTURE ON EMERGENCY CIRCUIT. CREE IGNM5S40KULWHIGPD–PML 66WATT LOW PROFILE GARAGE LIGHT UNLESS OTHERWISE NOTED.
- ACCESS CONTROL DEVICE
- HOMERUN TO PANEL. ARROW HEADS INDICATE THE NUMBER OF SINGLE POLE CIRCUITS. PROVIDE OCPD FOR EACH CIRCUIT. WHERE MULTIPLE CIRCUITS ARE RUN PROVIDE DEDICATED NEUTRALS.
- WALL MOUNTED LIGHT FIXTURE. CREE XSPWBWM4ME4L40KULBK–PML
- WALL MOUNTED LIGHT FIXTURE WITH BUILT–IN EMERGENCY BATTERY UNIT. CREE XSPWBWM4ME4L40KULBK–PML WITH REMOTE BODINE BSL722 COLD–PAK IN NEMA ENCLOSURE.

ANY OF THESE SYMBOLS CONSTITUTES NEW WORK PROVIDED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED. SYMBOLS SHOWN IN ' ——— ' <LIGHT CONTINUOUS> LINETYPE ARE EXISTING DEVICES. SYMBOLS SHOWN IN ' — — — ' <DASHED> LINETYPE ARE TO BE REMOVED. SYMBOLS SHOWN IN ' ——— ' OR ' ——— ' <SOLID HEAVIER> LINETYPES ARE NEW. SYMBOLS INDICATED WITH <ER> ARE EXISTING TO BE RELOCATED. SYMBOLS INDICATED WITH <RE> ARE RELOCATED EXISTING IN THE NEW LOCATION. SYMBOLS WITH AN NUMBER IN PARENTHESIS DENOTES MULTIPLE QUANTITIES OF THAT SYMBOL.

IN CERTAIN CASES SYMBOLS FOR NEW WORK MAY BE INDICATED IN LIGHTER LINETYPES TO EMPHASIZE OTHER WORK ASSOCIATED WITH THAT WORK. IF WORK IS INDICATED ANYWHERE AS NEW IT IS TO BE PROVIDED

PROVIDE A MINIMUM OF 4 REMOTE DEVICES FOR ALL FIXTURE AND DEVICES THAT HAVE AVAILABLE AND/OR REQUIRE REMOTE DEVICES TO CONTROL AND/OR PROGRAM THE FIXTURE OR DEVICE.



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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515
SHEET NUMBER E-001
SHEET NO. 83 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SCALE: AS NOTED
DATE: 7-23-2020

ELECTRICAL SYMBOLS LIST AND PARKING STRUCTURE RAMP RISER DIAGRAM

DPW FILE NO. 52-01-E-430-0
REV. NO.

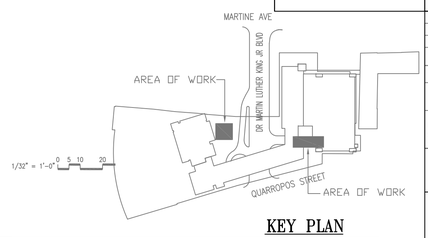
2020-7-27

1 PARKING LEVEL B3 PLAN

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

MAGNETIC NORTH

PROJECT NORTH



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STATE OF NEW YORK · CHANDLER MARK CBK · LICENSED PROFESSIONAL ENGINEER · NO. 094349

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DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ELECTRICAL PLAN, PARKING LEVEL B3

CONTRACT NUMBER 19-515
SHEET NUMBER E-101
SHEET NO. 84 OF 97
SCALE: AS NOTED
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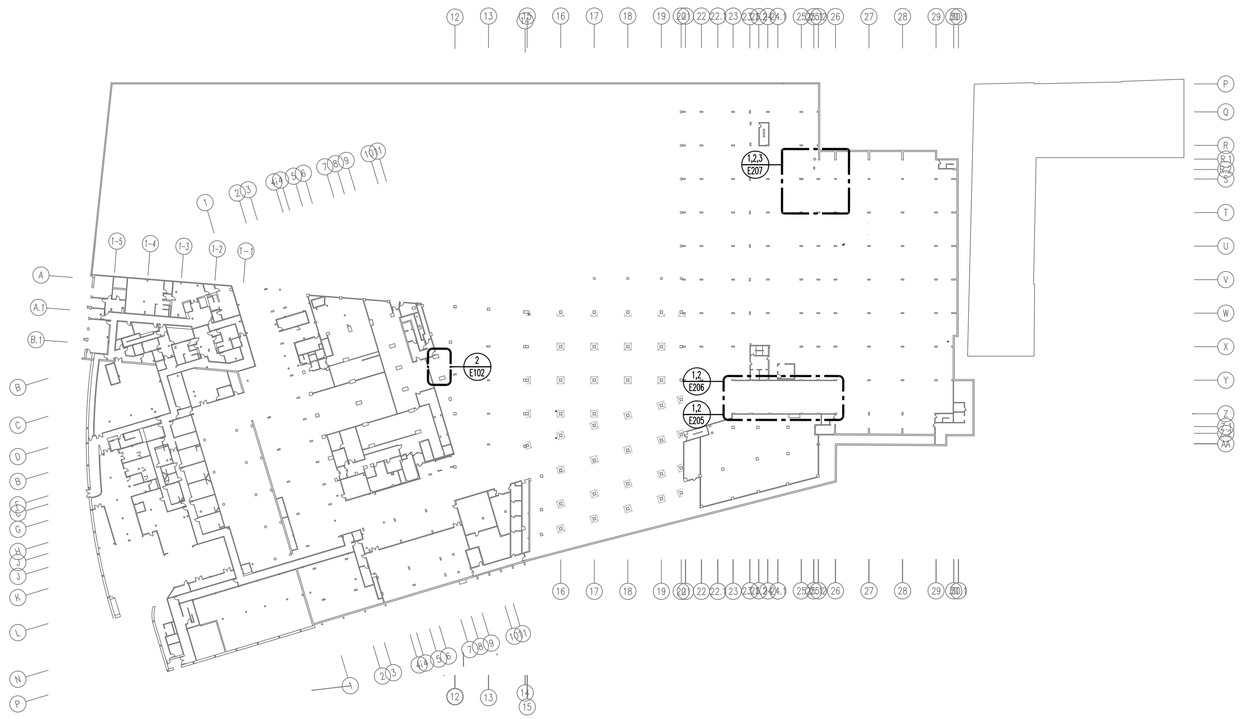
DPW FILE NO. 52-01-E-431-0
REV. NO.

2020-7-27

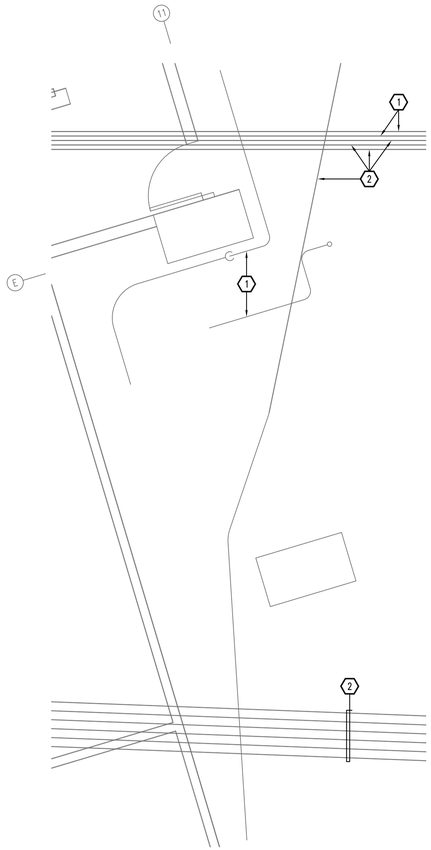


1 PARKING LEVEL B2 PLAN–WEST SIDE

SCALE: 1/64"=1'–0"

MAGNETIC NORTH

PROJECT NORTH



2 PARKING LEVEL B2 PART PLAN COLUMNS E11 AND F11

SCALE: 1/4"=1'–0"

KEYED NOTES

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3. REPLACE THE EXISTING LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. CONTINUE CIRCUITRY AND RECONNECT INTO REMAINING CIRCUITRY TO MAINTAIN SERVICE TO REMAINING DEVICES. EXTEND EXISTING TO REMAIN RACEWAY SYSTEM AND WIRING AS REQUIRED. PROVIDE CREE IGNMSS40KULWHGPD-PML 66WATT LOW PROFILE GARAGE LIGHT. MOUNT TIGHT TO FLAT CEILINGS OR INSIDE CEILING WAFFLE RECESS, WHERE WAFFLES EXIST. STANCHION/PENDANT FIXTURE TO AN ELEVATION WHERE THE FIXTURE SIDE LENS/DIFFUSSER IS JUST BELOW THE BOTTOM OF THE CEILING STRUCTURE. MAINTAIN MINIMUM MOUNTING HEIGHT CLEARANCES. PROVIDE EXPOSED CIRCUITRY IN CONDUIT. CIRCUIT TO EXISTING CIRCUITS. PROGRAM FIXTURE MINIMUM LIGHT LEVEL AND OCCUPANCY SETTINGS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
4. REMOVE LIGHT FIXTURE AND/OR ASSOCIATED CIRCUITRY. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
5. REMOVE LIGHT FIXTURE AND/OR PART OF THE ASSOCIATED CIRCUITRY. MAINTAIN CIRCUITRY REQUIRED TO ACCOMMODATE UPSTREAM AND/OR DOWNSTREAM LIGHTING/CIRCUITRY THAT IS FOR DEVICES THAT ARE TO REMAIN. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
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7. PROVIDE CUSTOM MOUNTING. MOUNT FIXTURE SEMI–RECESSED IN STRUCTURAL WAFFLE POCKET OF CEILING SLAB. SUPPORT FIXTURE WHERE ILLUMINATED DIFFUSSER/LENS ALIGNS BELOW THE BOTTOM OF THE WAFFLE RIB. TYPICAL.
8. CIRCUIT FIXTURE TO UPSTREAM OR DOWNSTREAM PORTION(S) OF CIRCUIT. CONTINUE CIRCUITRY TO/THROUGH THE REPLACEMENT FIXTURES AS APPLICABLE AND RECONNECT CIRCUITRY TO THE REMAINING PORTION OF THE CIRCUIT.
9. FIXTURE/LOCATION ON EMERGENCY GENERATOR BACK UP. THE ACTUAL FIXTURE THAT IS ON GENERATOR HAS NOT BEEN VERIFIED. MODIFY LAYOUT TO COORDINATE WITH THE FIXTURE(S) THAT ARE ACTUALLY ON GENERATOR POWER. OTHERWISE CIRCUIT/MODIFY AS TYPICAL FIXTURE REPLACEMENT.
10. PROGRAM THIS FIXTURE TO STAY AT FULL ILLUMINATION AT ALL TIMES.
11. REPLACE THE EXISTING DEVICE AND/OR ASSOCIATED CIRCUITRY. CONTINUE CIRCUITRY AND RECONNECT INTO REMAINING CIRCUITRY TO MAINTAIN SERVICE TO REMAINING DEVICES. EXTEND EXISTING TO REMAIN RACEWAY SYSTEM AND WIRING AS REQUIRED. PROVIDE MATCHING DEVICE TYPE/CONFIGURATION. COORDINATE MOUNTING/LOCATION(S) WITH THE MODIFICATIONS BEING PERFORMED AT THE SPECIFIC LOCATION. MAINTAIN MINIMUM MOUNTING HEIGHT CLEARANCES. PROVIDE EXPOSED CIRCUITRY IN CONDUIT. CIRCUIT TO EXISTING CIRCUITS.
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15. EXISTING CIRCUITRY IN RACEWAY. TEMPORARILY MODIFY/RELOCATE/EXTEND CIRCUITRY AND DEVICES/EQUIPMENT AS REQUIRED TO ACCOMMODATE WORK BEING DONE ON COLUMNS, SLAB, STRUCTURE; INCLUDING BUT NOT LIMITED TO PERMANENT, FINAL AND TEMPORARY WORK. PROVIDE FINISHED INSTALL OF ALL WORK TO RETURN CIRCUITRY TO ITS ORIGINAL FUNCTION IN A CODE COMPLIANT PERMANENT INSTALLATION.
16. CIRCUITRY FOR LIGHTING. COPPER CONDUCTORS IN RIGID GALVANIZED RACEWAY. INSTALL RACEWAY ALONG THE UNDERSIDE OF THE WAFFLE RIBS (DON'T CROSS OVER POCKETS)

KEY PLAN

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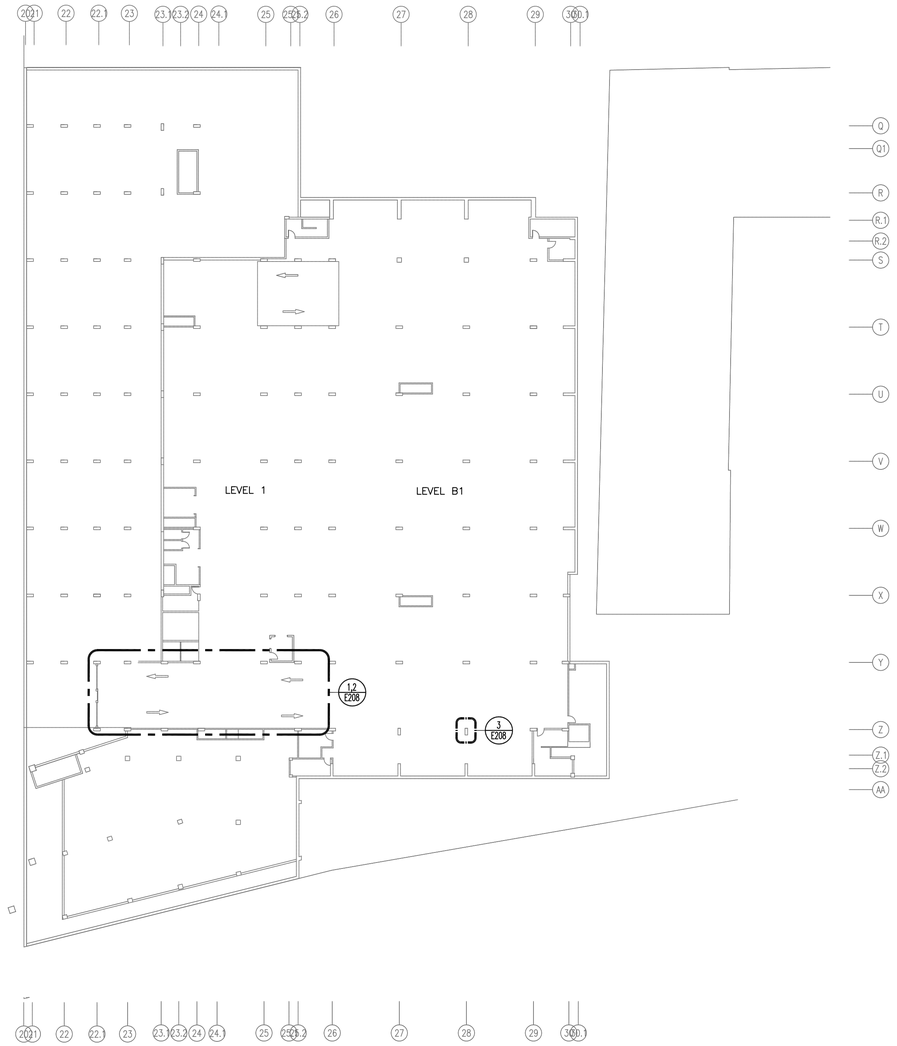
PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
PARKING STRUCTURE LEVEL B2 ELECTRICAL PLAN, PART PLAN AND KEYED NOTES

CONTRACT NUMBER 19-515
SHEET NUMBER E-102
SHEET NO. 85 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-E-432-0
REV. NO.

2020-7-27

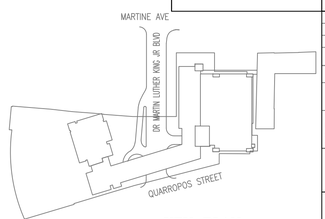


1 PARKING LEVEL B1/1 PLAN

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

MAGNETIC NORTH

PROJECT NORTH



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WESTCHESTER COUNTY, NEW YORK
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CONTRACT NUMBER 19-515
SHEET NUMBER E-103
SHEET NO. 86 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ELECTRICAL PLAN, PARKING STRUCTURE LEVEL B1 AND LEVEL 1

SCALE: AS NOTED
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DPW FILE NO. 52-01-E-433-0

REV. NO.

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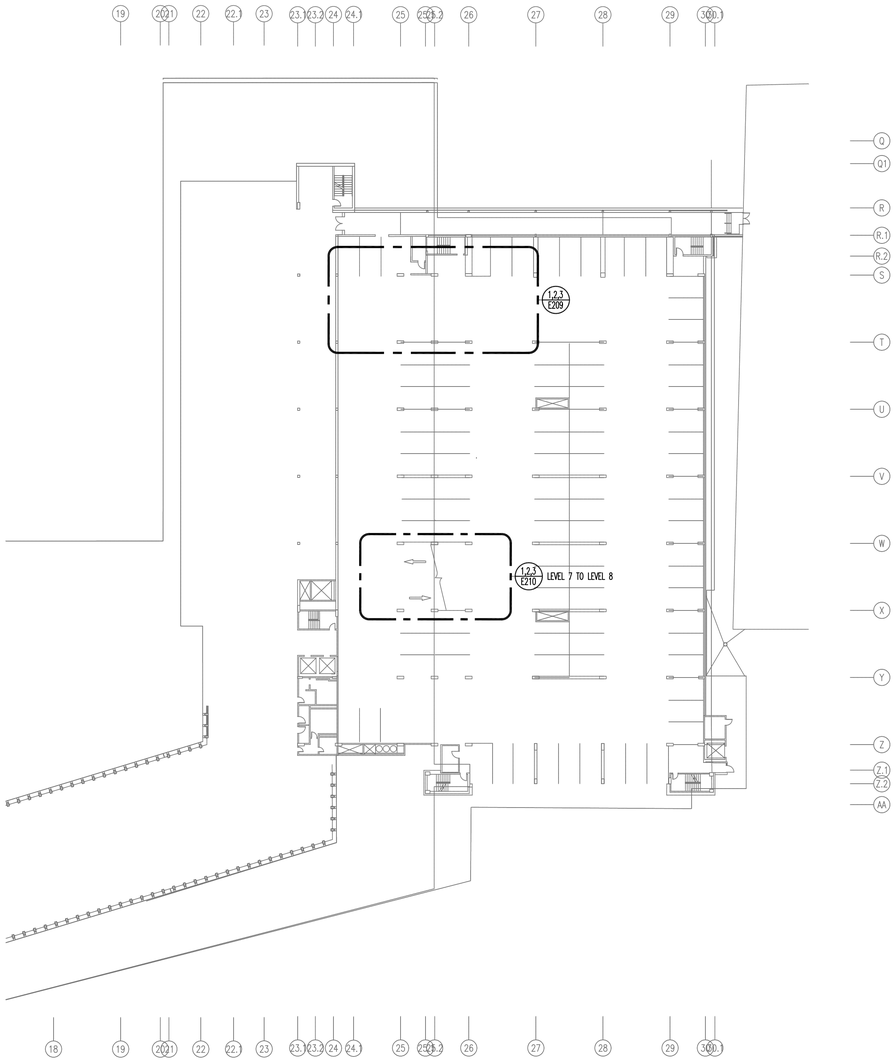

1 PARKING LEVELS 6 AND 7 PLAN

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

MAGNETIC NORTH

PROJECT NORTH

KEY PLAN

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SHEET NO. 87 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ELECTRICAL PLAN, PARKING STRUCTURE LEVELS 6 AND 7

SCALE: AS NOTED
DATE: 7-23-2020

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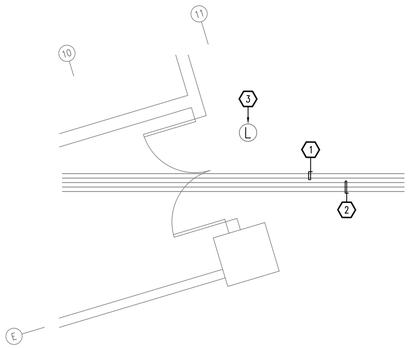

1 PARKING LEVEL B3 PART PLAN–COLUMN E11

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

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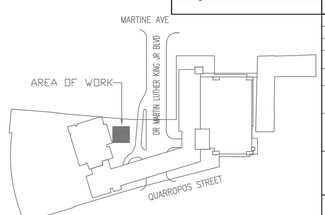

KEY PLAN

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CBK REF NO. 18119

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
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DIVISION OF ENGINEERING

CONTRACT NUMBER 19–515
SHEET NUMBER E–201
SHEET NO. 88 OF 97

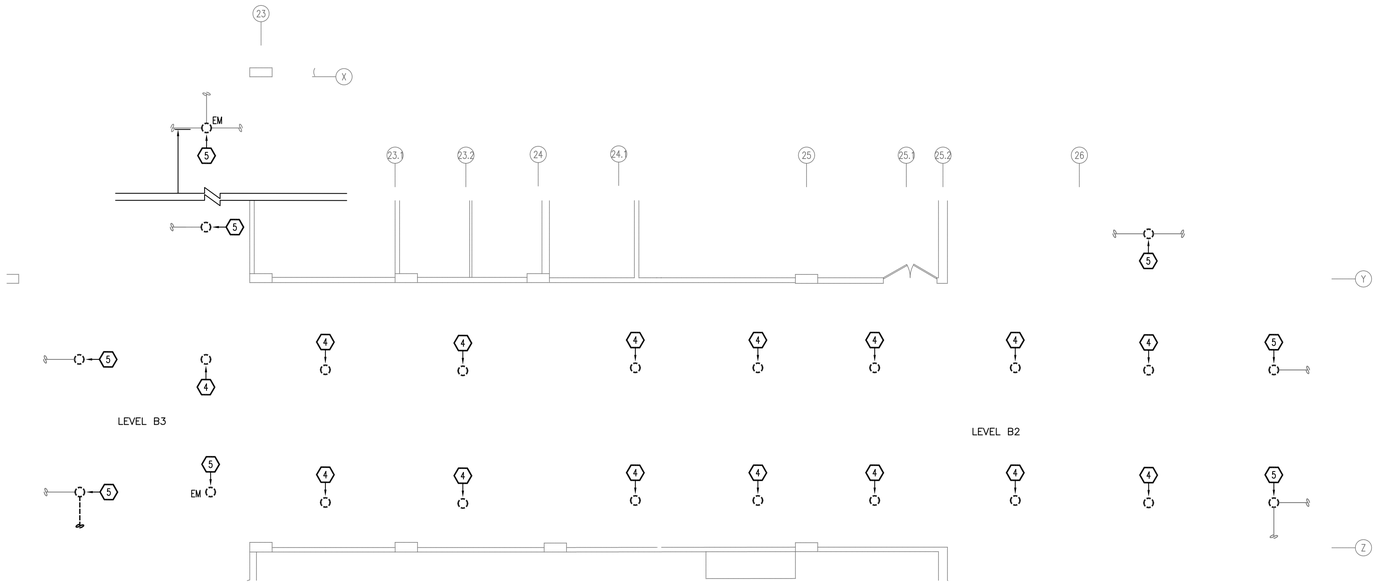
PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ELECTRICAL PART PLANS, PARKING STRUCTURE LEVEL B3

SCALE: AS NOTED
DATE: 7–23–2020

DPW FILE NO. 52–01–E–435–0
REV. NO.

2020–7–27



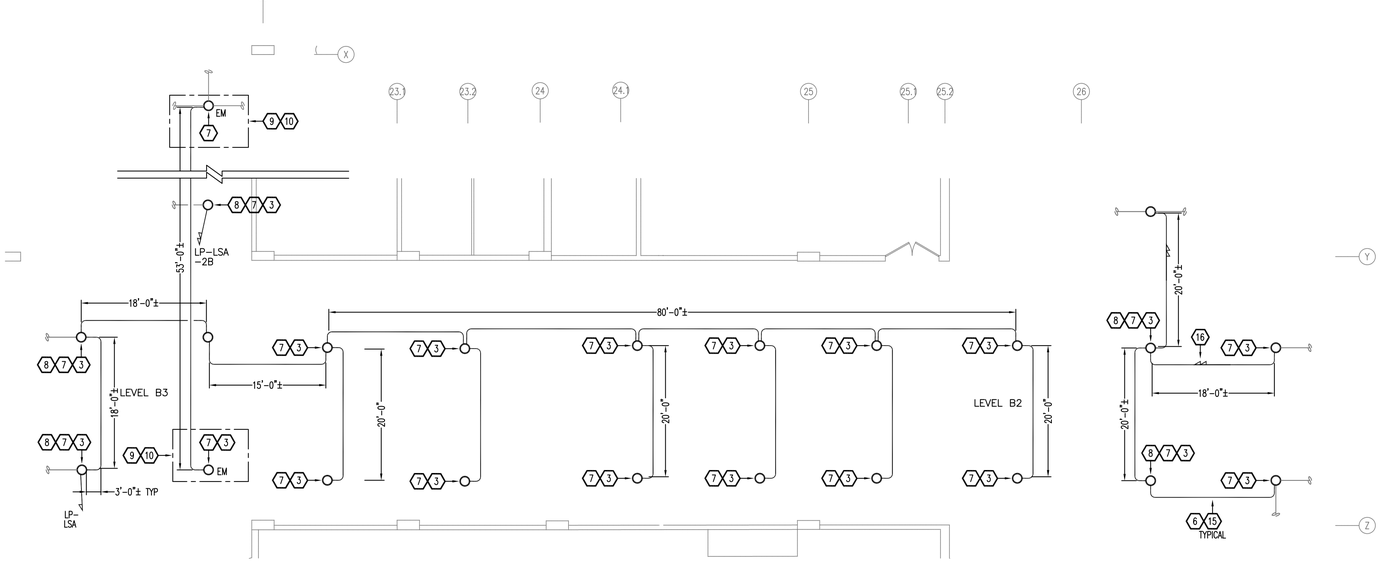
1 PARKING LEVEL B3/B2 PART PLAN
RAMP NO. 3 LIGHTING (REMOVALS)

MAGNETIC NORTH PROJECT NORTH

SCALE: 1/8"=1'-0"

THIS PART PLAN DEPICTS THE AREA ABOVE THE ENTIRE RAMP NO 4 AS IT PASSES FROM LEVELS B3 AND B2

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION
TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC



2 PARKING LEVEL B3/B2 PART PLAN
RAMP NO. 3 LIGHTING

MAGNETIC NORTH PROJECT NORTH

SCALE: 1/8"=1'-0"

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CIRCUITRY INDICATED IS PRESUMED. ACTUAL DEVICES ON THE SAME CIRCUITS MAY VARY.
PRIOR TO PERFORMING MODIFICATIONS VERIFY WHAT DEVICES/FIXTURES ARE ON THE SAME CIRCUIT.
MODIFY CIRCUITRY INDICATED TO MAINTAIN BRANCH CIRCUIT DISTRIBUTION/SEGMENTATION.

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION
TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC

KEYED NOTES

1. EXISTING CIRCUITRY IN RACEWAY (RACEWAY TRADE SIZE 1" OR SMALLER). TEMPORARILY MODIFY/RELOCATE/EXTEND CIRCUITRY AND DEVICES/EQUIPMENT AS REQUIRED TO ACCOMMODATE WORK BEING DONE ON COLUMNS, INCLUDING BUT NOT LIMITED TO PERMANENT, FINAL AND TEMPORARY COLUMN WORK. PROVIDE FINISHED INSTALL OF ALL WORK TO RETURN CIRCUITRY TO ITS ORIGINAL FUNCTION IN A CODE COMPLIANT PERMANENT INSTALLATION.
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3. REPLACE THE EXISTING LIGHT FIXTURE AND/OR ASSOCIATED CIRCUITRY. CONTINUE CIRCUITRY AND RECONNECT INTO REMAINING CIRCUITRY TO MAINTAIN SERVICE TO REMAINING DEVICES. EXTEND EXISTING TO REMAIN RACEWAY SYSTEM AND WIRING AS REQUIRED. PROVIDE CREE IGNMSS40KULWHIGPD–PML 66WATT LOW PROFILE GARAGE LIGHT. MOUNT TIGHT TO FLAT CEILINGS OR INSIDE CEILING WAFFLE RECESS, WHERE WAFFLES EXIST. STANCHION/PENDANT FIXTURE TO AN ELEVATION WHERE THE FIXTURE SIDE LENS/DIFFUSSER IS JUST BELOW THE BOTTOM OF THE CEILING STRUCTURE. MAINTAIN MINIMUM MOUNTING HEIGHT CLEARANCES. PROVIDE EXPOSED CIRCUITRY IN CONDUIT. CIRCUIT TO EXISTING CIRCUITS. PROGRAM FIXTURE MINIMUM LIGHT LEVEL AND OCCUPANCY SETTINGS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
4. REMOVE LIGHT FIXTURE AND/OR ASSOCIATED CIRCUITRY. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
5. REMOVE LIGHT FIXTURE AND PART OF THE ASSOCIATED CIRCUITRY. MAINTAIN CIRCUITRY REQUIRED TO ACCOMMODATE UPSTREAM AND/OR DOWNSTREAM LIGHTING/CIRCUITRY THAT IS FOR DEVICES THAT ARE TO REMAIN. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
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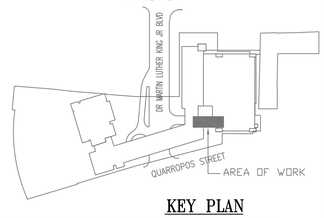

KEY PLAN

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
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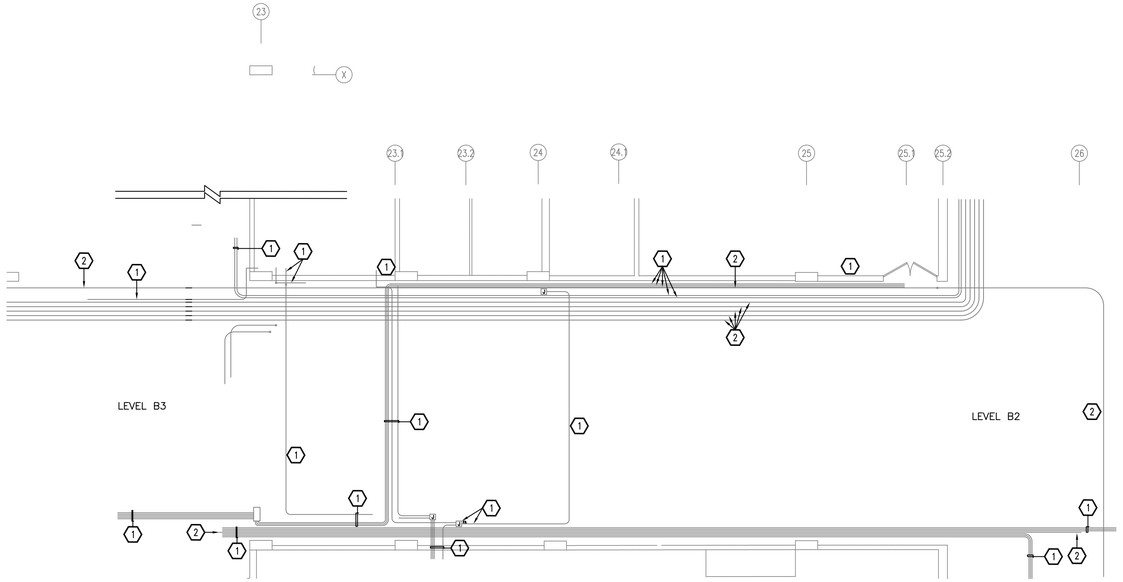
DIVISION OF ENGINEERING

CONTRACT NUMBER: 19–515
SHEET NUMBER: E–202
SHEET NO. 89 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
ELECTRICAL PART PLANS, RAMP #3
PARKING STRUCTURE LEVEL B3 (LIGHTING)

SCALE: AS NOTED
DATE: 7–23–2020
DPW FILE NO. 52–01–E–436–0
REV. NO.

2020–7–27



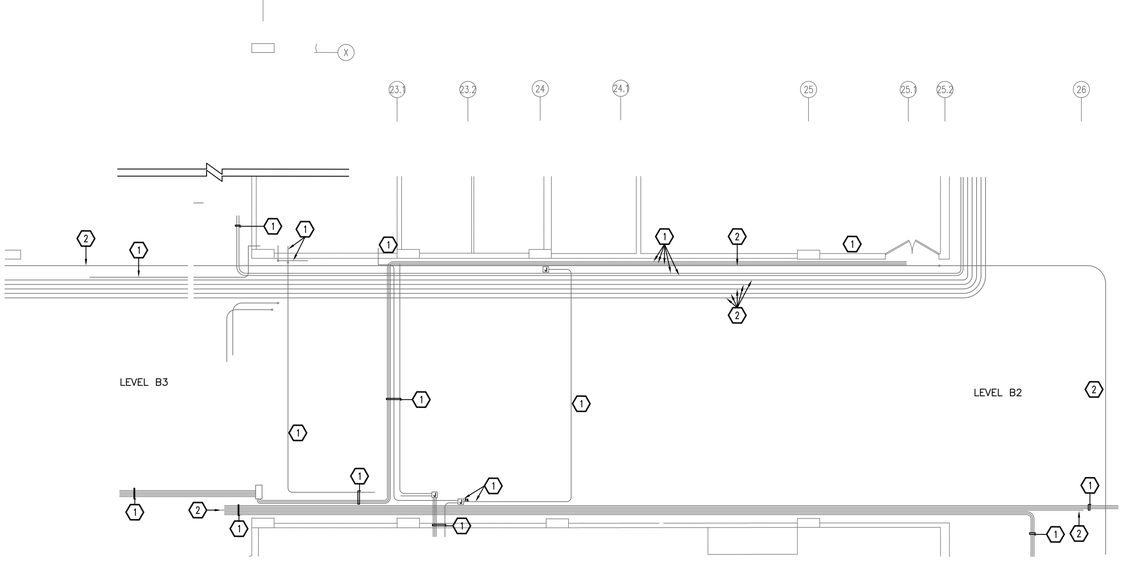
1 PARKING LEVEL B3/B2 PART PLAN RAMP NO. 3 (REMOVALS)

MAGNETIC NORTH PROJECT NORTH

SCALE: 1/8"=1'-0"

THIS PART PLAN DEPICTS THE AREA ABOVE THE ENTIRE RAMP NO 4 AS IT PASSES FROM LEVELS B3 AND B2

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC



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WESTCHESTER COUNTY, NEW YORK
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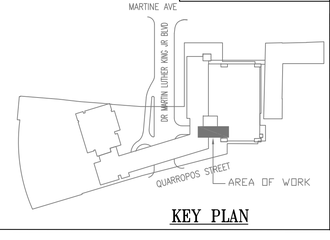
SHEET NUMBER E-203
SHEET NO. 90 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MCHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
ELECTRICAL PART PLANS, RAMP #3
PARKING STRUCTURE LEVEL B3

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-E-437-0
REV. NO.



KEY PLAN

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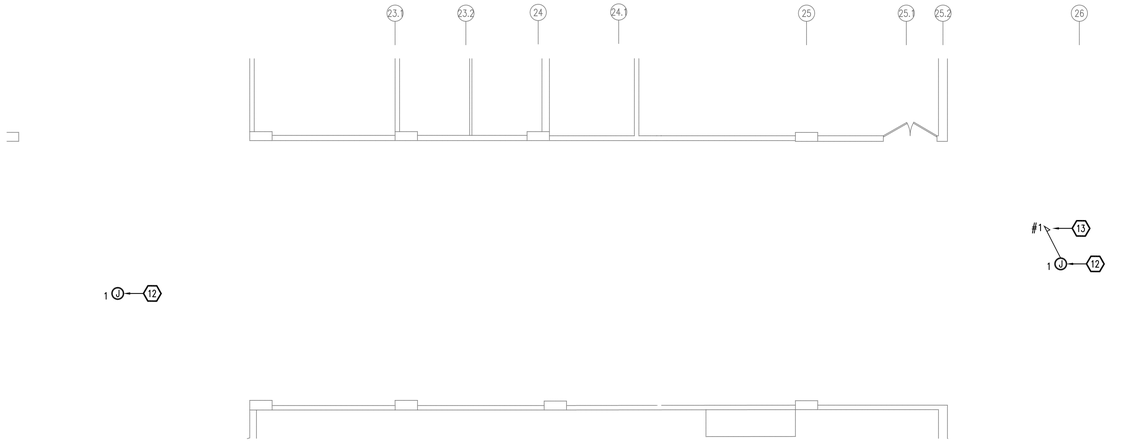

1 PARKING LEVEL B3/B2 PART PLAN
RAMP NO. 3 LIGHTING (TEMPORARY POWER)

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

THIS PART PLAN DEPICTS THE AREA ABOVE THE ENTIRE RAMP NO 4 AS IT PASSES FROM LEVELS B3 AND B2

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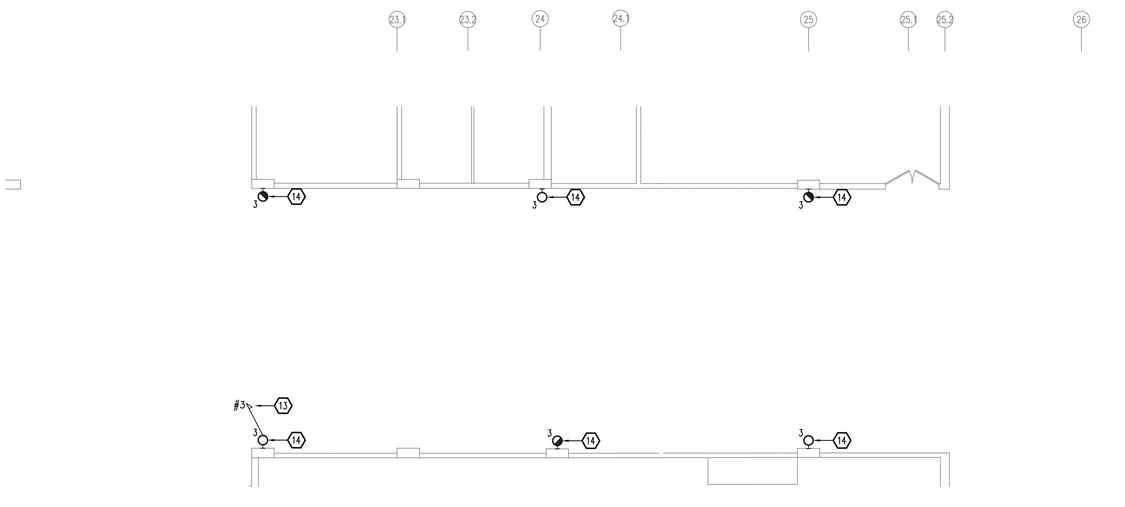

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RAMP NO. 3 (TEMPORARY LIGHTING)

MAGNETIC NORTH / PROJECT NORTH

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1. EXISTING CIRCUITRY IN RACEWAY (RACEWAY TRADE SIZE 1" OR SMALLER). TEMPORARILY MODIFY/RELOCATE/EXTEND CIRCUITRY AND DEVICES/EQUIPMENT AS REQUIRED TO ACCOMMODATE WORK BEING DONE ON COLUMNS, INCLUDING BUT NOT LIMITED TO PERMANENT, FINAL AND TEMPORARY COLUMN WORK. PROVIDE FINISHED INSTALL OF ALL WORK TO RETURN CIRCUITRY TO ITS ORIGINAL FUNCTION IN A CODE COMPLIANT PERMANENT INSTALLATION.
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3. REPLACE THE EXISTING LIGHT FIXTURE AND/OR ASSOCIATED CIRCUITRY. CONTINUE CIRCUITRY AND RECONNECT INTO REMAINING CIRCUITRY TO MAINTAIN SERVICE TO REMAINING DEVICES. EXTEND EXISTING TO REMAIN RACEWAY SYSTEM AND WIRING AS REQUIRED. PROVIDE CREE IGNM5S40KULWHGPD-PML 66WATT LOW PROFILE GARAGE LIGHT. MOUNT TIGHT TO FLAT CEILINGS OR INSIDE CEILING WAFFLE RECESS, WHERE WAFFLES EXIST. STANCHION/PENDANT FIXTURE TO AN ELEVATION WHERE THE FIXTURE SIDE LENS/DIFFUSSER IS JUST BELOW THE BOTTOM OF THE CEILING STRUCTURE. MAINTAIN MINIMUM MOUNTING HEIGHT CLEARANCES. PROVIDE EXPOSED CIRCUITRY IN CONDUIT. CIRCUIT TO EXISTING CIRCUITS. PROGRAM FIXTURE MINIMUM LIGHT LEVEL AND OCCUPANCY SETTINGS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
4. REMOVE LIGHT FIXTURE AND/OR ASSOCIATED CIRCUITRY. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
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7. PROVIDE CUSTOM MOUNTING. MOUNT FIXTURE SEMI-RECESSED IN STRUCTURAL WAFFLE POCKET OF CEILING SLAB. SUPPORT FIXTURE WHERE ILLUMINATED DIFFUSSER/LENS ALIGNS BELOW THE BOTTOM OF THE WAFFLE RIB. TYPICAL.
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15. CIRCUITRY FOR LIGHTING. COPPER CONDUCTORS IN RIGID GALVANIZED RACEWAY. INSTALL RACEWAY ALONG THE UNDERSIDE OF THE WAFFLE RIBS (DON'T CROSS OVER POCKETS). MINIMUM CONDUCTOR SIZE #10AWG. MINIMUM RACEWAY SIZE 3/4". PROVIDE NUMBER OF CONDUCTOR REQUIRED TO ACCOMMODATE CIRCUITRY. PROVIDE DEDICATED NEUTRAL CONDUCTOR(S) (DO NOT SHARE NEUTRALS). PROVIDE SENSING/CHARGING CONDUCTORS TO ACCOMMODATE EMERGENCY FUNCTIONS.
16. ARROW HEADS INDICATE THE NUMBER OF CIRCUITS-TYPICAL.

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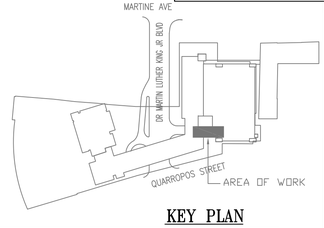


KEY PLAN

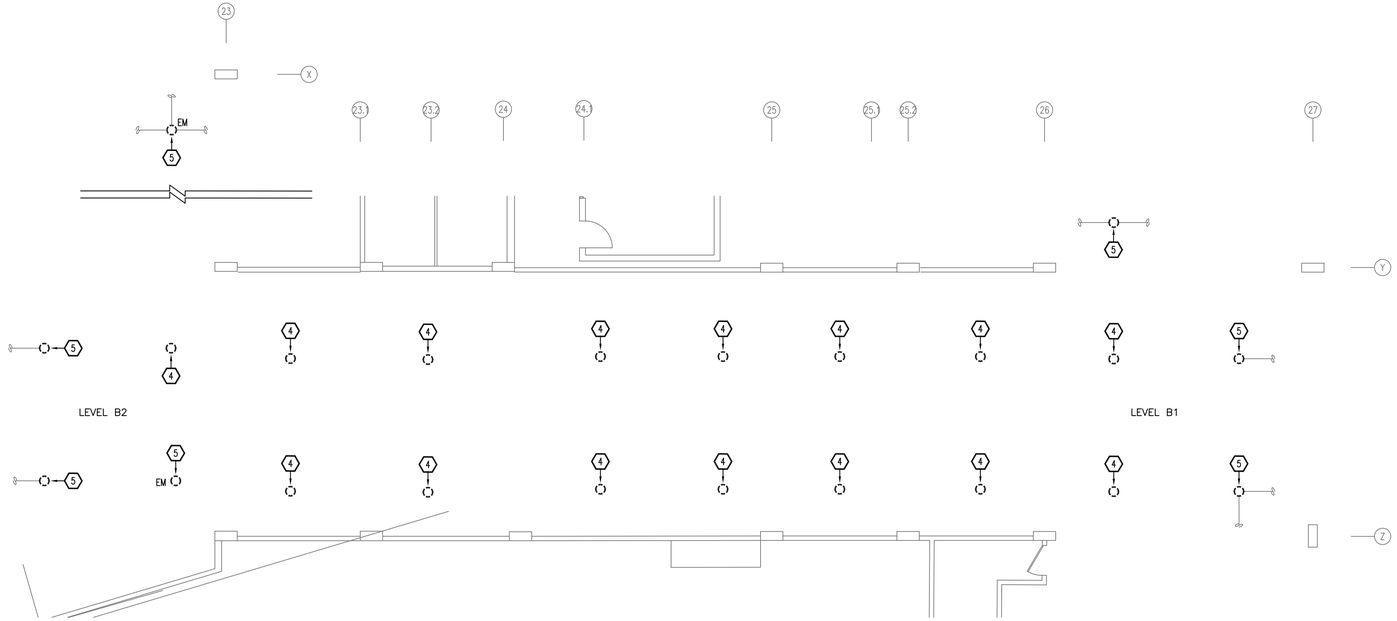
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER: 19-515
SHEET NUMBER: E-204
SHEET NO. 91 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
ELECTRICAL PART PLANS, RAMP #3
PARKING STRUCTURE LEVEL B3 (TEMPORARY POWER AND LIGHTING)

SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO. 52-01-E-438-0
REV. NO.

2020-7-27



1 PARKING LEVEL B2/B1 PART PLAN
RAMP NO. 4 LIGHTING (REMOVALS)

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

THIS PART PLAN DEPICTS THE AREA ABOVE THE ENTIRE RAMP NO 4 AS IT PASSES FROM LEVELS B2 AND B1

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION
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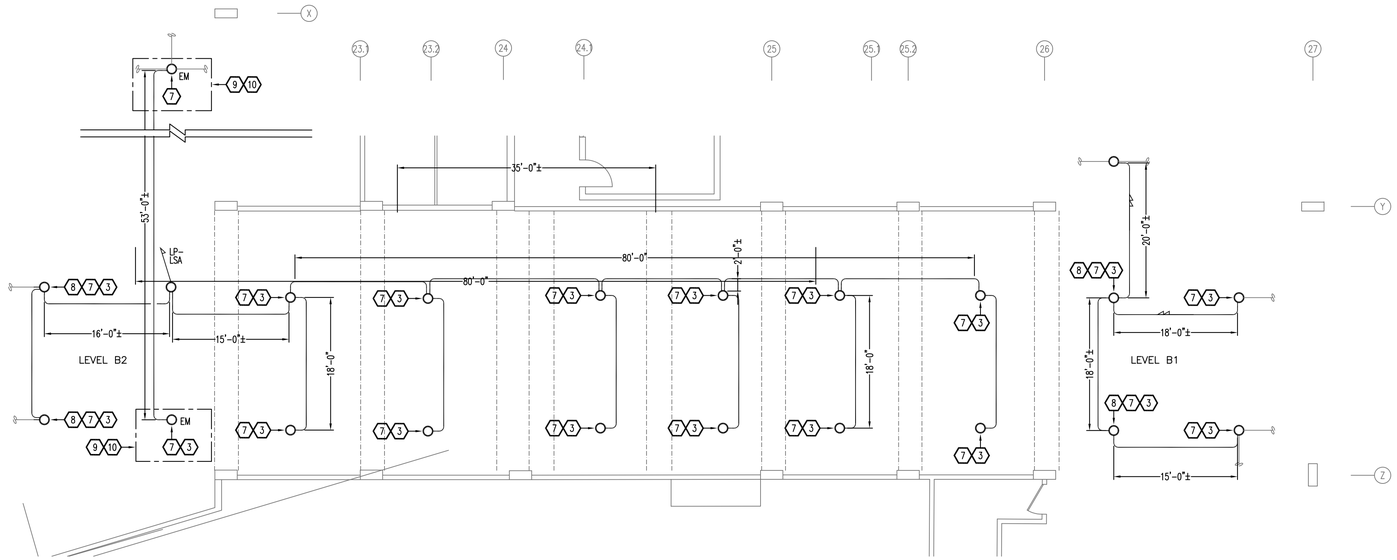

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RAMP NO. 4 LIGHTING

MAGNETIC NORTH / PROJECT NORTH

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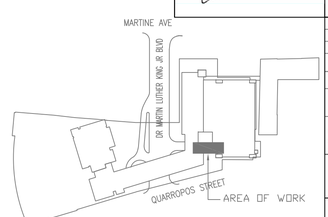

KEY PLAN

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
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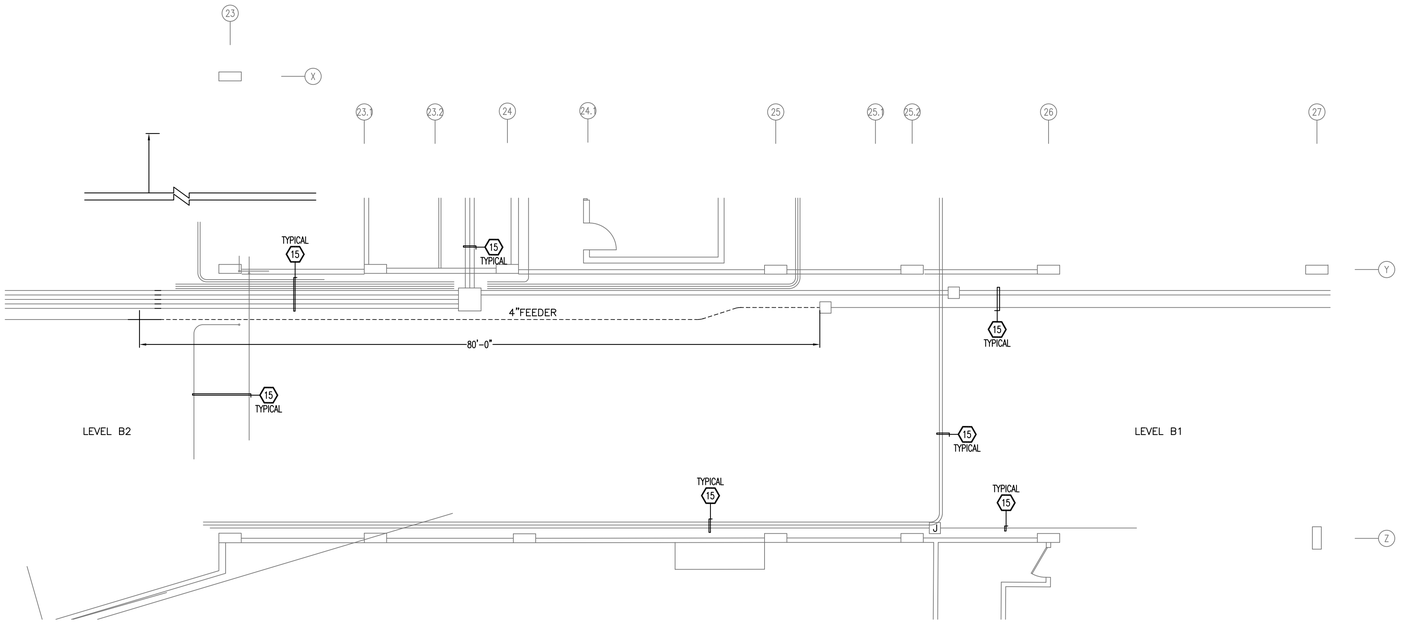
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ELECTRICAL PART PLANS, RAMP #4 PARKING STRUCTURE LEVEL B2

CONTRACT NUMBER: 19-515
SHEET NUMBER: E-205
SHEET NO. 92 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-E-439-0
REV. NO.:

2020-7-27



1 PARKING LEVEL B2/B1 PART PLAN RAMP NO. 4 (REMOVALS)

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

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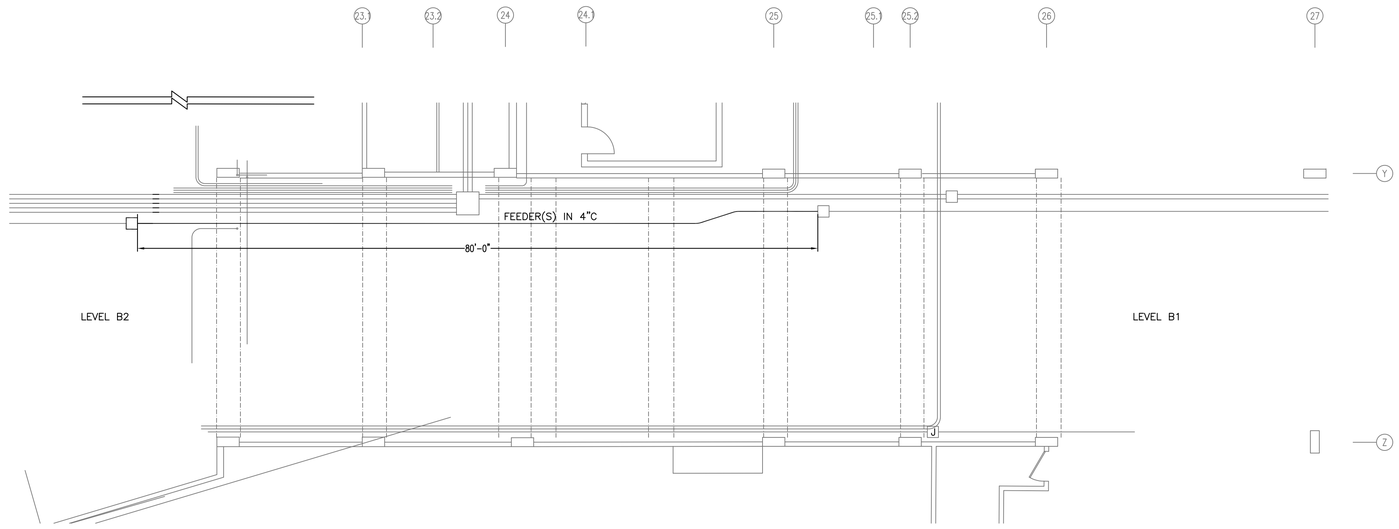

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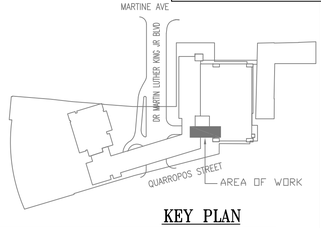
16. CIRCUITRY FOR LIGHTING. COPPER CONDUCTORS IN RIGID GALVANIZED RACEWAY. INSTALL RACEWAY ALONG THE UNDERSIDE OF THE WAFFLE RIBS (DON'T CROSS OVER POCKETS). MINIMUM CONDUCTOR SIZE #10AWG. MINIMUM RACEWAY SIZE 3/4". PROVIDE NUMBER OF CONDUCTOR REQUIRED TO ACCOMMODATE CIRCUITRY. PROVIDE DEDICATED NEUTRAL CONDUCTOR(S) (DO NOT SHARE NEUTRALS). PROVIDE SENSING/CHARGING CONDUCTORS TO ACCOMMODATE EMERGENCY FUNCTIONS.



KEY PLAN

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515 | SHEET NUMBER E-206
SHEET NO. 93 OF 97

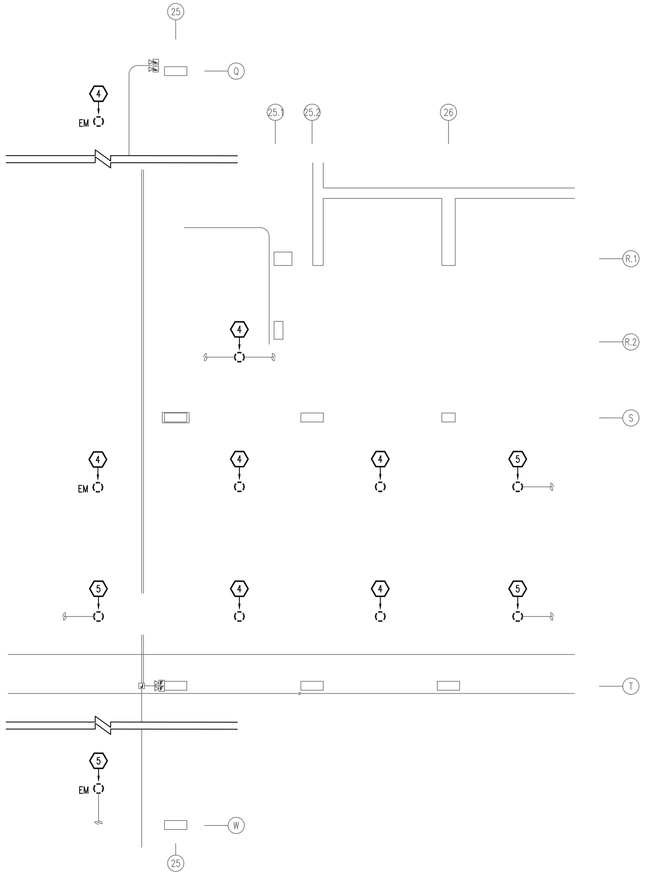
PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SCALE: AS NOTED
DATE: 7-23-2020

ELECTRICAL PART PLANS, RAMP #4 PARKING STRUCTURE LEVEL B2

DPW FILE NO. 52-01-E-440-0 | REV. NO.

2020-7-27



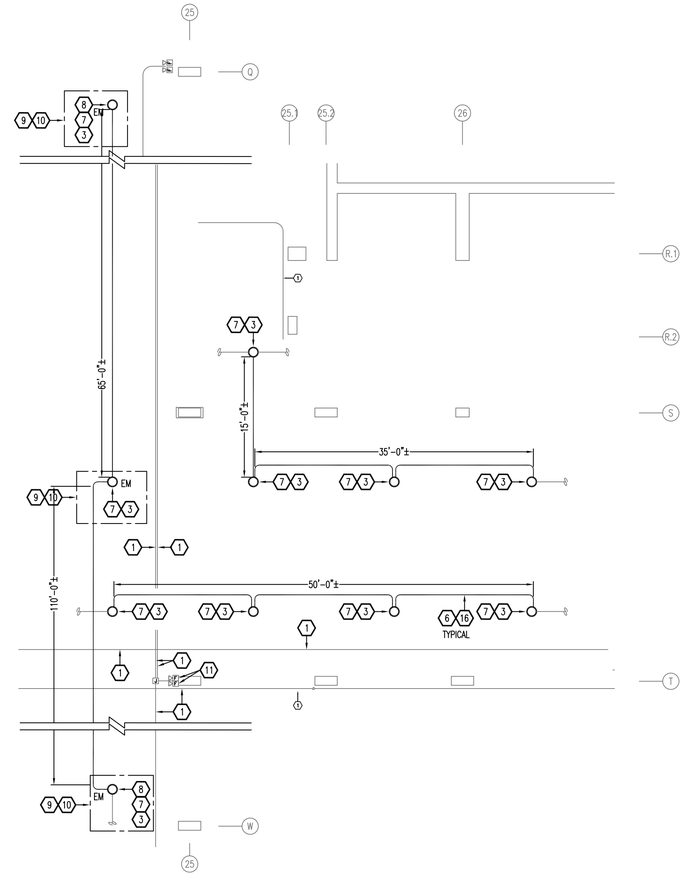
1 PARKING LEVEL B2 PART PLAN BELOW RAMP NO. 7 (REMOVALS)

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

THIS PART PLAN DEPICTS THE AREA ON LEVEL B2 BELOW RAMP NO #

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC



2 PARKING LEVEL B2 PART PLAN BELOW RAMP NO. 7

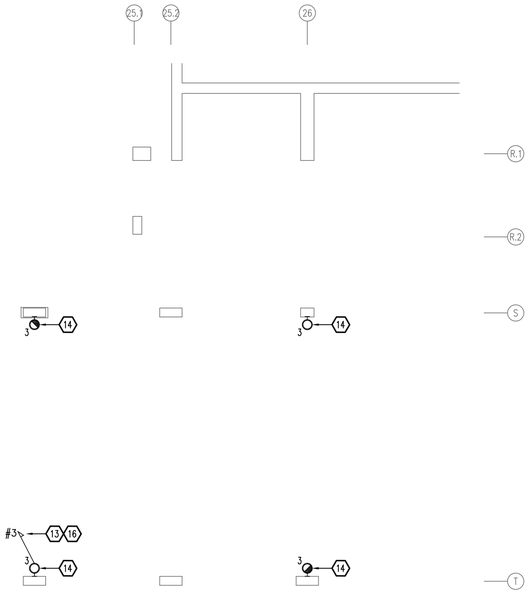
MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

THIS PART PLAN DEPICTS THE AREA ON LEVEL B2 BELOW RAMP NO #

CIRCUITRY INDICATED IS PRESUMED. ACTUAL DEVICES ON THE SAME CIRCUITS MAY VARY. PRIOR TO PERFORMING MODIFICATIONS VERIFY WHAT DEVICES/FIXTURES ARE ON THE SAME CIRCUIT. MODIFY CIRCUITRY INDICATED TO MAINTAIN BRANCH CIRCUIT DISTRIBUTION/SEGMENTATION.

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC



3 PARKING LEVEL B2 PART PLAN BELOW RAMP NO. 7 (TEMPORARY LIGHTING)

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

THIS PART PLAN DEPICTS THE AREA ON LEVEL B2 BELOW RAMP NO #

CIRCUITRY INDICATED IS PRESUMED. ACTUAL DEVICES ON THE SAME CIRCUITS MAY VARY. PRIOR TO PERFORMING MODIFICATIONS VERIFY WHAT DEVICES/FIXTURES ARE ON THE SAME CIRCUIT. MODIFY CIRCUITRY INDICATED TO MAINTAIN BRANCH CIRCUIT DISTRIBUTION/SEGMENTATION.

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC

KEYED NOTES

1. EXISTING CIRCUITRY IN RACEWAY (RACEWAY TRADE SIZE 1" OR SMALLER). TEMPORARILY MODIFY/RELOCATE/EXTEND CIRCUITRY AND DEVICES/EQUIPMENT AS REQUIRED TO ACCOMMODATE WORK BEING DONE ON COLUMNS, INCLUDING BUT NOT LIMITED TO PERMANENT, FINAL AND TEMPORARY COLUMN WORK. PROVIDE FINISHED INSTALL OF ALL WORK TO RETURN CIRCUITRY TO ITS ORIGINAL FUNCTION IN A CODE COMPLIANT PERMANENT INSTALLATION.
2. EXISTING CIRCUITRY IN RACEWAY (RACEWAY TRADE SIZE LARGER THAN 1"). TEMPORARILY MODIFY/RELOCATE/EXTEND CIRCUITRY AND DEVICES/EQUIPMENT AS REQUIRED TO ACCOMMODATE WORK BEING DONE ON COLUMNS, INCLUDING BUT NOT LIMITED TO PERMANENT, FINAL AND TEMPORARY COLUMN WORK. PROVIDE FINISHED INSTALL OF ALL WORK TO RETURN CIRCUITRY TO ITS ORIGINAL FUNCTION IN A CODE COMPLIANT PERMANENT INSTALLATION.
3. REPLACE THE EXISTING LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. CONTINUE CIRCUITRY AND RECONNECT INTO REMAINING CIRCUITRY TO MAINTAIN SERVICE TO REMAINING DEVICES. EXTEND EXISTING TO REMAIN RACEWAY SYSTEM AND WIRING AS REQUIRED. PROVIDE CREE IGNM5S40KULWHGPD-PML 66WATT LOW PROFILE GARAGE LIGHT. MOUNT TIGHT TO FLAT CEILINGS OR INSIDE CEILING WAFFLE RECESS, WHERE WAFFLES EXIST. STANCHION/PENDANT FIXTURE TO AN ELEVATION WHERE THE FIXTURE SIDE LENS/DIFFUSSER IS JUST BELOW THE BOTTOM OF THE CEILING STRUCTURE. MAINTAIN MINIMUM MOUNTING HEIGHT CLEARANCES. PROVIDE EXPOSED CIRCUITRY IN CONDUIT. CIRCUIT TO EXISTING CIRCUITS. PROGRAM FIXTURE MINIMUM LIGHT LEVEL AND OCCUPANCY SETTINGS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
4. REMOVE LIGHT FIXTURE AND/OR ASSOCIATED CIRCUITRY. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
5. REMOVE LIGHT FIXTURE AND/OR PART OF THE ASSOCIATED CIRCUITRY. MAINTAIN CIRCUITRY REQUIRED TO ACCOMMODATE UPSTREAM AND/OR DOWNSTREAM LIGHTING/CIRCUITRY THAT IS FOR DEVICES THAT ARE TO REMAIN. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
6. CIRCUIT LIGHT FIXTURES USING EXPOSED CIRCUITRY (CONDUCTORS IN RIGID GALVANIZED RACEWAY) AND SURFACE MOUNTED (CAST/F STYLE) BOX(ES). RUN CIRCUITRY TIGHT TO UNDER SIDE OF CEILING STRUCTURE. IN AREAS OF WAFFLE POCKETS RUN TIGHT ALONG THE UNDERSIDE OF THE STRUCTURAL WAFFLE RIB(S). CONFIGURE CIRCUITRY TO ACCOMMODATE THE UNIQUE MOUNTING OF THE LIGHT FIXTURE(S) SEMI RECESSED IN THE STRUCTURAL WAFFLE POCKET. USE CONTINUOUS RACEWAY. DO NOT USE CONDUIT BODIES AND JUNCTION BOXES (EXCEPT WHERE REQUIRED TO ACCOMMODATE ACTUAL FIXTURES).
7. PROVIDE CUSTOM MOUNTING. MOUNT FIXTURE SEMI-RECESSED IN STRUCTURAL WAFFLE POCKET OF CEILING SLAB. SUPPORT FIXTURE WHERE ILLUMINATED DIFFUSSER/LENS ALIGNS BELOW THE BOTTOM OF THE WAFFLE RIB. TYPICAL.
8. CIRCUIT FIXTURE TO UPSTREAM OR DOWNSTREAM PORTION(S) OF CIRCUIT. CONTINUE CIRCUITRY TO/THROUGH THE REPLACEMENT FIXTURES AS APPLICABLE AND RECONNECT CIRCUITRY TO THE REMAINING PORTION OF THE CIRCUIT.
9. FIXTURE/LOCATION ON EMERGENCY GENERATOR BACK UP. THE ACTUAL FIXTURE THAT IS ON GENERATOR HAS NOT BEEN VERIFIED. MODIFY LAYOUT TO COORDINATE WITH THE FIXTURE(S) THAT ARE ACTUALLY ON GENERATOR POWER. OTHERWISE CIRCUIT/MODIFY AS TYPICAL FIXTURE REPLACEMENT.
10. PROGRAM THIS FIXTURE TO STAY AT FULL ILLUMINATION AT ALL TIMES.
11. REPLACE THE EXISTING DEVICE AND/OR ASSOCIATED CIRCUITRY. CONTINUE CIRCUITRY AND RECONNECT INTO REMAINING CIRCUITRY TO MAINTAIN SERVICE TO REMAINING DEVICES. EXTEND EXISTING TO REMAIN RACEWAY SYSTEM AND WIRING AS REQUIRED. PROVIDE MATCHING DEVICE TYPE/CONFIGURATION. COORDINATE MOUNTING/LOCATION(S) WITH THE MODIFICATIONS BEING PERFORMED AT THE SPECIFIC LOCATION. MAINTAIN MINIMUM MOUNTING HEIGHT CLEARANCES. PROVIDE EXPOSED CIRCUITRY IN CONDUIT. CIRCUIT TO EXISTING CIRCUITS.
12. PROVIDE TEMPORARY POWER TO ACCOMMODATE THE TRAFFIC CONTROL SYSTEM WHILE THE RAMP UTILIZATION IS LIMITED AND/OR COMPROMISED. PROVIDE TEMPORARY CONTROL AND INTERCONNECT WIRING AS REQUIRED. MODIFY AS REQUIRE TO ACCOMMODATE THE CHANGES IN THE AREAS OF WORK AND TO ACCOMMODATE THE PROJECT SCHEDULING. REMOVE WHEN DIRECTED BY THE OWNER'S REPRESENTATIVES.
13. PROVIDE TEMPORARY CIRCUIT(S) AS REQUIRED TO ACCOMMODATE TEMPORARY SYSTEM(S). PROVIDE OCPD'S AS REQUIRED. MODIFY AS REQUIRE TO ACCOMMODATE THE CHANGES IN THE AREAS OF WORK AND TO ACCOMMODATE THE PROJECT SCHEDULING. REMOVE WHEN DIRECTED BY THE OWNER'S REPRESENTATIVES.
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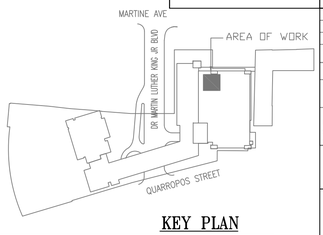
17. ARROW HEADS INDICATE THE NUMBER OF CIRCUITS-TYPICAL.



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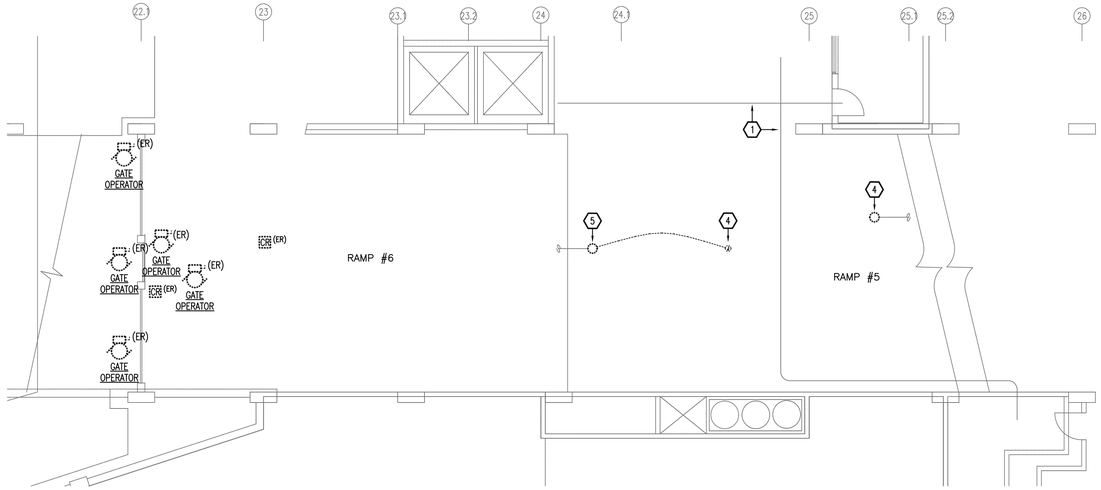
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 19-515 | SHEET NUMBER E-207 | SHEET NO. 94 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
ELECTRICAL PART PLANS, PARKING STRUCTURE LEVEL B2
AREA UNDER RAMP #7

SCALE: AS NOTED | DATE: 7-23-2020 | DPW FILE NO. 52-01-E-441-0 | REV. NO.

2020-7-27

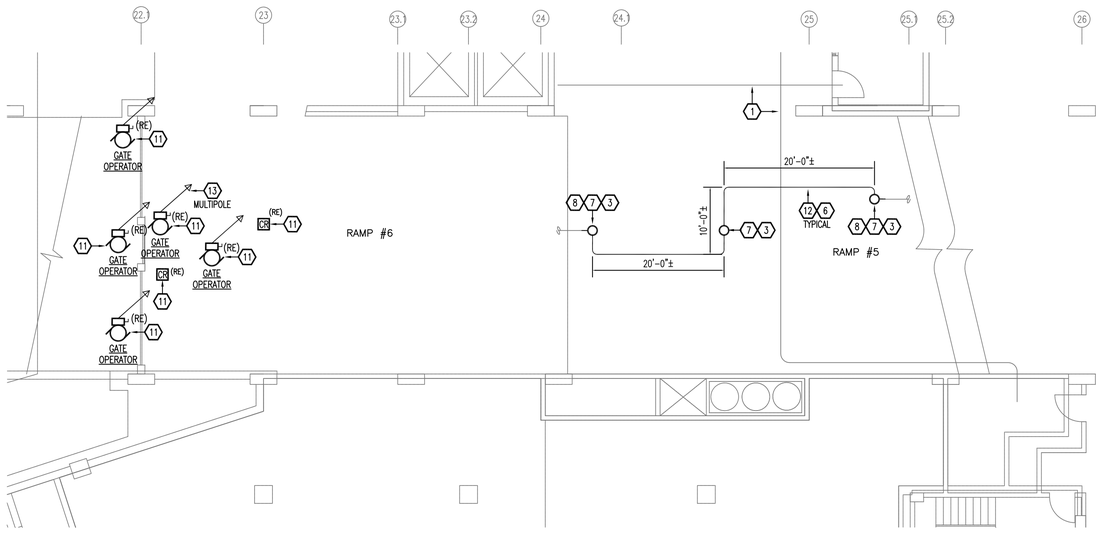


1 PARKING LEVEL 1 PART PLAN RAMPS #6 AND #5 (REMOVALS)

SCALE: 1/8"=1'-0"

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC

MAGNETIC NORTH / PROJECT NORTH



2 PARKING LEVEL 1 PART PLAN RAMPS #6 AND #5

SCALE: 1/8"=1'-0"

CIRCUITRY INDICATED IS PRESUMED. ACTUAL DEVICES ON THE SAME CIRCUITS MAY VARY. PRIOR TO PERFORMING MODIFICATIONS VERIFY WHAT DEVICES/FIXTURES ARE ON THE SAME CIRCUIT. MODIFY CIRCUITRY INDICATED TO MAINTAIN BRANCH CIRCUIT DISTRIBUTION/SEGMENTATION.

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC

MAGNETIC NORTH / PROJECT NORTH

KEYED NOTES

1. EXISTING CIRCUITRY IN RACEWAY (RACEWAY TRADE SIZE 1" OR SMALLER). TEMPORARILY MODIFY/RELOCATE/EXTEND CIRCUITRY AND DEVICES/EQUIPMENT AS REQUIRED TO ACCOMMODATE WORK BEING DONE ON COLUMNS, INCLUDING BUT NOT LIMITED TO PERMANENT, FINAL AND TEMPORARY COLUMN WORK. PROVIDE FINISHED INSTALL OF ALL WORK TO RETURN CIRCUITRY TO ITS ORIGINAL FUNCTION IN A CODE COMPLIANT PERMANENT INSTALLATION.
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12. CIRCUITRY FOR LIGHTING. COPPER CONDUCTORS IN RIGID GALVANIZED RACEWAY. INSTALL RACEWAY ALONG THE UNDERSIDE OF THE WAFFLE RIBS (DON'T CROSS OVER POCKETS). MINIMUM CONDUCTOR SIZE #10AWG. MINIMUM RACEWAY SIZE 3/4". PROVIDE NUMBER OF CONDUCTOR REQUIRED TO ACCOMMODATE CIRCUITRY. PROVIDE DEDICATED NEUTRAL CONDUCTOR(S) (DO NOT SHARE NEUTRALS). PROVIDE SENSING/CHARGING CONDUCTORS TO ACCOMMODATE EMERGENCY FUNCTIONS.
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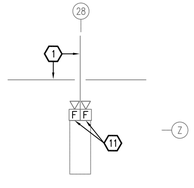
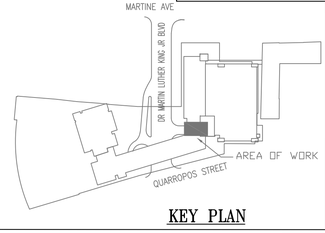


3 PARKING LEVEL B1 PART PLAN COLUMN Z28

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



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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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CONTRACT NUMBER 19-515
SHEET NUMBER E-208
SHEET NO. 95 OF 97

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
ELECTRICAL PART PLANS, PARKING STRUCTURE LEVEL 1-RAMPS #5 AND #6 AREA.

SCALE: AS NOTED
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REV. NO.

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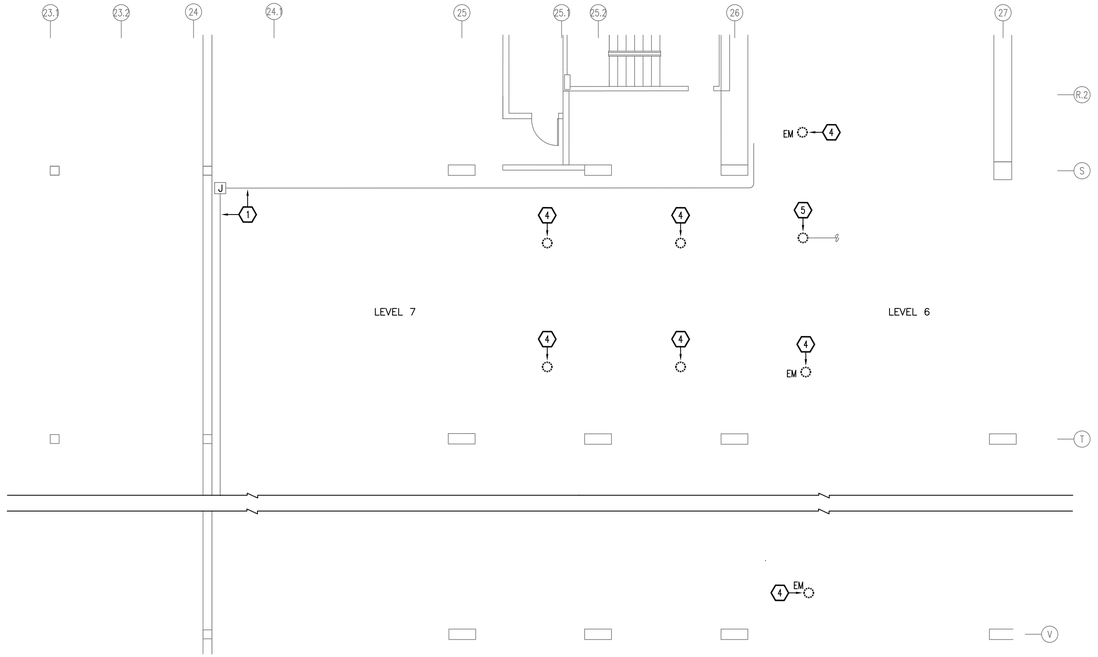
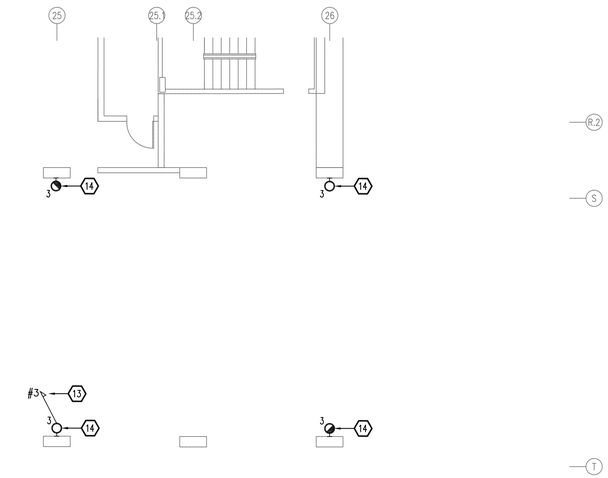


1 PARKING LEVEL 7/6 PART PLAN NORTH RAMP #14 (REMOVALS)

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC



3 PARKING LEVEL 7/6 PART PLAN NORTH RAMP #14(TEMPORARY LIGHTING)

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

CIRCUITRY INDICATED IS PRESUMED. ACTUAL DEVICES ON THE SAME CIRCUITS MAY VARY. PRIOR TO PERFORMING MODIFICATIONS VERIFY WHAT DEVICES/FIXTURES ARE ON THE SAME CIRCUIT. MODIFY CIRCUITRY INDICATED TO MAINTAIN BRANCH CIRCUIT DISTRIBUTION/SEGMENTATION.

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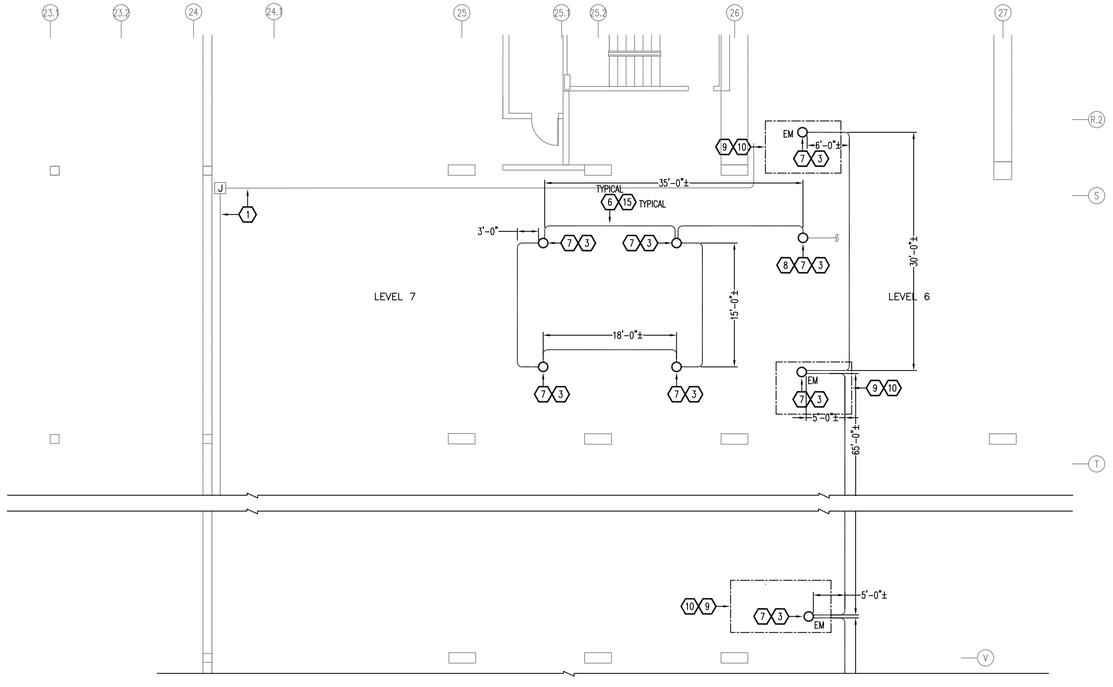

2 PARKING LEVEL 7/6 PART PLAN NORTH RAMP #14

MAGNETIC NORTH / PROJECT NORTH

SCALE: 1/8"=1'-0"

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MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC

KEYED NOTES

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3. REPLACE THE EXISTING LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. CONTINUE CIRCUITRY AND RECONNECT INTO REMAINING CIRCUITRY TO MAINTAIN SERVICE TO REMAINING DEVICES. EXTEND EXISTING TO REMAIN RACEWAY SYSTEM AND WIRING AS REQUIRED. PROVIDE CREE IGNM5540KULWHGPD-PML. 66WATT LOW PROFILE GARAGE LIGHT. MOUNT TIGHT TO FLAT CEILINGS OR INSIDE CEILING WAFFLE RECESS, WHERE WAFFLES EXIST. STANCHION/PENDANT FIXTURE TO AN ELEVATION WHERE THE FIXTURE SIDE LENS/DIFFUSSER IS JUST BELOW THE BOTTOM OF THE CEILING STRUCTURE. MAINTAIN MINIMUM MOUNTING HEIGHT CLEARANCES. PROVIDE EXPOSED CIRCUITRY IN CONDUIT. CIRCUIT TO EXISTING CIRCUITS. PROGRAM FIXTURE MINIMUM LIGHT LEVEL AND OCCUPANCY SETTINGS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
4. REMOVE LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
5. REMOVE LIGHT FIXTURE AND PART OF THE ASSOCIATED CIRCUITRY. MAINTAIN CIRCUITRY REQUIRED TO ACCOMMODATE UPSTREAM AND/OR DOWNSTREAM LIGHTING/CIRCUITRY THAT IS FOR DEVICES THAT ARE TO REMAIN. CIRCUITRY IS TYPICALLY EMBEDDED IN THE CONCRETE CEILING SLAB. WHERE EMBEDDED RACEWAY CAN BE ABANDONED IN PLACE WHEN IT WILL NOT IMPEDE THE CONTINUITY OF SERVICE TO REMAIN.
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7. PROVIDE CUSTOM MOUNTING. MOUNT FIXTURE SEMI-RECESSED IN STRUCTURAL WAFFLE POCKET OF CEILING SLAB. SUPPORT FIXTURE WHERE ILLUMINATED DIFFUSSER/LENS ALIGNS BELOW THE BOTTOM OF THE WAFFLE RIB. TYPICAL.
8. CIRCUIT FIXTURE TO UPSTREAM OR DOWNSTREAM PORTION(S) OF CIRCUIT. CONTINUE CIRCUITRY TO/THROUGH THE REPLACEMENT FIXTURES AS APPLICABLE AND RECONNECT CIRCUITRY TO THE REMAINING PORTION OF THE CIRCUIT.
9. FIXTURE/LOCATION ON EMERGENCY GENERATOR BACK UP. THE ACTUAL FIXTURE THAT IS ON GENERATOR HAS NOT BEEN VERIFIED. MODIFY LAYOUT TO COORDINATE WITH THE FIXTURE(S) THAT ARE ACTUALLY ON GENERATOR POWER. OTHERWISE CIRCUIT/MODIFY AS TYPICAL FIXTURE REPLACEMENT.
10. PROGRAM THIS FIXTURE TO STAY AT FULL ILLUMINATION AT ALL TIMES.
11. NOT USED.
12. PROVIDE TEMPORARY POWER TO ACCOMMODATE THE TRAFFIC CONTROL SYSTEM WHILE THE RAMP UTILIZATION IS LIMITED AND/OR COMPROMISED. PROVIDE TEMPORARY CONTROL AND INTERCONNECT WIRING AS REQUIRED. MODIFY AS REQUIRE TO ACCOMMODATE THE CHANGES IN THE AREAS OF WORK AND TO ACCOMMODATE THE PROJECT SCHEDULING. REMOVE WHEN DIRECTED BY THE OWNER'S REPRESENTATIVES.
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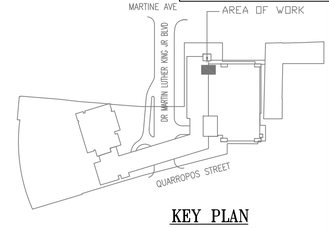
16. ARROW HEADS INDICATE THE NUMBER OF CIRCUITS-TYPICAL.



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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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☐ AS BUILT – CHANGES AS NOTED
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CONTRACTOR — NAME / SIGNATURE / TITLE / DATE

PROJECT COORDINATOR — NAME / SIGNATURE / TITLE / DATE

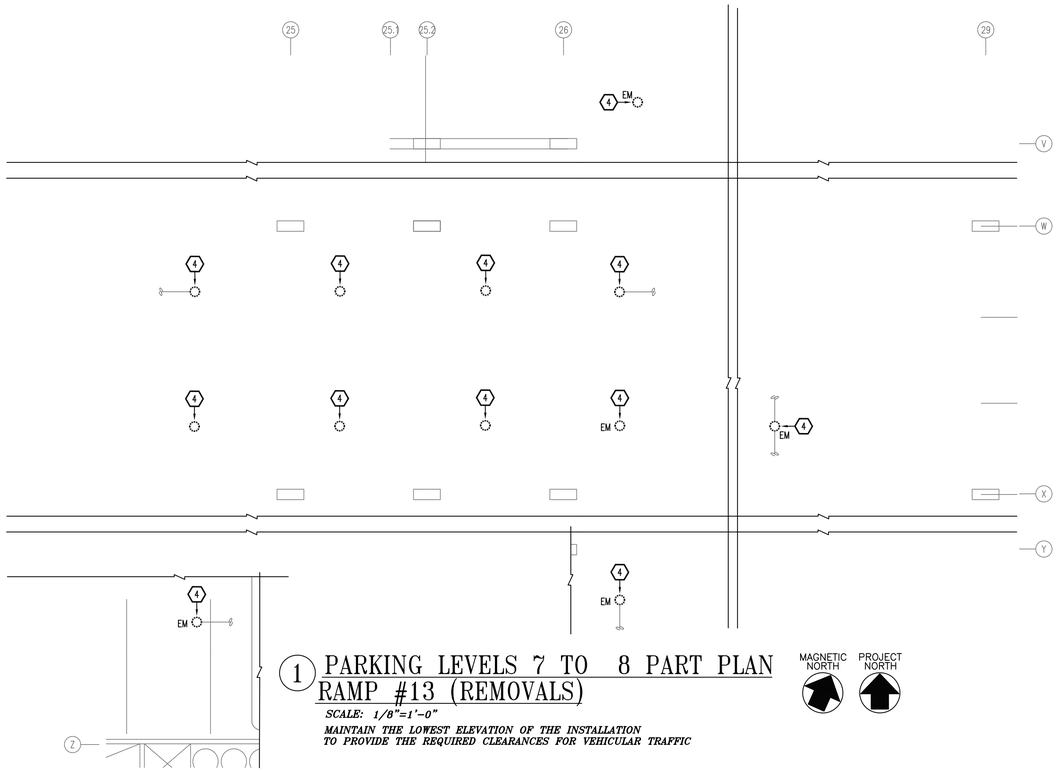
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION – PHASE 1 MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

ELECTRICAL PART PLANS, PARKING STRUCTURE
LEVELS 6 TO 7-RAMP #14

CONTRACT NUMBER: 19-515
SHEET NUMBER: E-209
SHEET NO. 95 OF 97
SCALE: AS NOTED
DATE: 7-23-2020
DPW FILE NO.: 52-01-E-443-0
REV. NO.:

2020-7-27

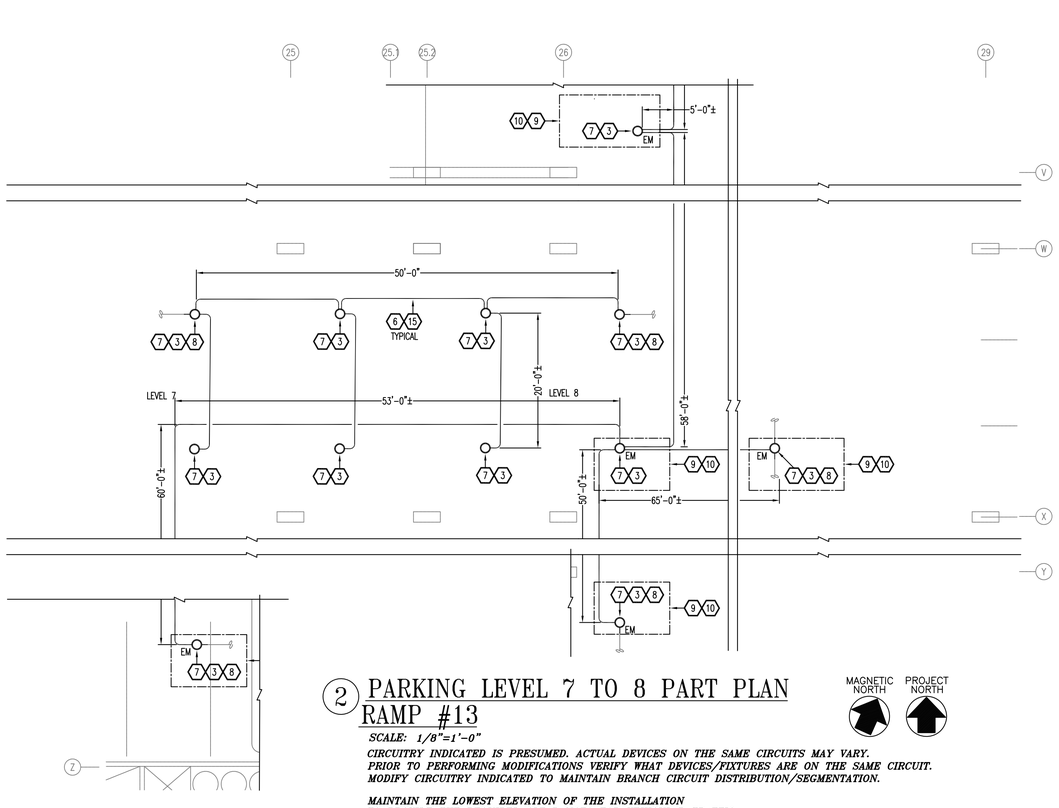


1 PARKING LEVELS 7 TO 8 PART PLAN RAMP #13 (REMOVALS)

MAGNETIC NORTH PROJECT NORTH

SCALE: 1/8"=1'-0"

MAINTAIN THE LOWEST ELEVATION OF THE INSTALLATION TO PROVIDE THE REQUIRED CLEARANCES FOR VEHICULAR TRAFFIC



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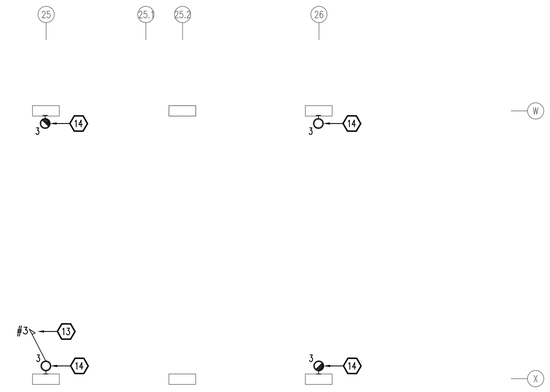

3 PARKING LEVEL 7 TO 8 PART PLAN RAMP #13(TEMPORARY LIGHTING)

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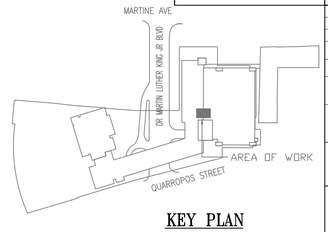

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