

VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018



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OAK PARK, ILLINOIS

PROJECT NO: 31-8130.20

NO: SHEET NAME:

R-000 COVER SHEET
R-001 GENERAL NOTES, LEGENDS, & WORK ITEM SCHEDULE

AVENUE PARKING STRUCTURE

R-101 GROUND LEVEL FLOOR PLAN
R-102 2ND LEVEL FLOOR PLAN
R-103 3RD LEVEL FLOOR PLAN
R-104 4TH LEVEL FLOOR PLAN
R-105 5TH LEVEL FLOOR PLAN
R-106 6TH LEVEL FLOOR PLAN

HOLLEY COURT PARKING STRUCTURE

R-201 GROUND LEVEL FLOOR PLAN
R-202 2ND LEVEL FLOOR PLAN
R-203 3RD LEVEL FLOOR PLAN
R-204 4TH LEVEL FLOOR PLAN
R-205 5TH LEVEL FLOOR PLAN
R-206 6TH LEVEL FLOOR PLAN

R-501 REPAIR DETAILS
R-502 REPAIR DETAILS



SITE LOCATION MAP

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MAY 18, 2018

GENERAL NOTES

A. CONSTRUCTION

- The Contractor shall perform Work in accordance with all applicable Federal, State, and Local Codes, Laws and Ordinances. The Contractor shall promptly notify the Engineer of any known nonconformity with the intent of the Construction Documents and as-built conditions to the applicable Codes, Laws or Ordinances and request clarification from the Engineer prior to proceeding with Work which is deemed in conflict with the applicable Codes, Laws or Ordinances.
- Fire Safety during construction, alteration or demolition shall comply with 2006 NFPA 1.
- This structure is classified as a parking structure, occupancy Group S-CCC, and as construction Type CCC, Unprotected, Non-Combustible.
- Prior to fabrication of any material or placement of concrete, field verify all existing dimensions and conditions shown on Drawings. Report all discrepancies to the Engineer immediately.
- Do Not Scale Drawings.

B. CONSTRUCTION DOCUMENTS

- The extent of repair areas shown on the drawings indicates Engineer's estimates only. The estimated unit quantities included in the bid documents are based on Engineer's estimated units for bid purposes only. The Contractor is responsible for determining the actual extent and locations of repair areas. The actual repair quantities shall be verified and agreed upon by the Engineer prior to commencing the repair Work.
- Work shall be performed in coordination with construction observations by the Engineer to determine if the exposed existing construction is as assumed in the design.
- Dimensions shown on plans are based on original construction documents. The Contractor is required to field verify all conditions for the purpose of preparing the bid and performing the Work.
- Refer to Specifications for scope, description and requirements of Work.

C. EXISTING STRUCTURE

- Construction Documents rely on the original construction documents, including:
"VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018"
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- Design Live Loads for the Existing Structure were assumed to be (all loads are service loads unless noted)

DESCRIPTION	LOAD
a. Floors	50 psf
b. Floors (Roof)	100 psf
c. Concentrated Wheel Load (4.5 in x 4.5 in area)	3000 lb
d. Slabs on Grade	40 or 50 psf
- To the Engineer's knowledge, no outstanding environmental concerns are present on site. If an outstanding environmental concern is identified during construction, the Contractor is to bring this to the attention of the Engineer and Owner.
- It is the Contractor's responsibility to familiarize itself with the original construction drawings for the Work areas. All significant deviations are to be brought to the attention of the Engineer.

D. DETAILS AND SYMBOLS

- Repair details are shown on drawing series R-501 and R-502.
- Three-digit repair details (X.X.X) do not represent a separate price item. These details supplement the basic detail to provide additional information or show variation of the typical condition.
- Where the Work Item bubble is noted "TYP," it means the Work Item occurs at all locations where the applicable deterioration or designation symbol occurs on that plan.
- Where "T.A.R." is noted, it means there may be areas of this work in addition to the particular designated areas.
- Where two or more Work Item Bubbles are grouped together, it means any or all of the referenced work items may be applicable.
- When a Work Item or Detail is listed as incidental, this work is included in the pay unit of other work items and does not have a separate price.
- When a Detail is labeled (FOR REFERENCE ONLY) it provides information only about incidental work and does not have a pay unit.

E. SHORING AND BRACING

- Contractor shall provide all shoring, bracing, sheeting, etc. required for safety and proper execution of the work.
- Contractor is solely responsible to prepare shop drawing for bracing and shoring members designed and stamped/sealed by a registered professional engineer registered in State of Illinois and submit them to the Engineer for review.
- The design of the shoring and bracing members shall include all changes in the structure caused by the shoring and bracing.

F. EXISTING SERVICES AND UTILITIES

- Contractor shall review all existing conditions to determine all Electrical and Mechanical services and Utilities affected by the repair work. Make necessary temporary connections to maintain existing services to all areas affected by the work. The Contractor shall submit the methods and schedule of connections for the owner's approval prior to commencement.
- Provide a minimum 48 hour notice to the Owner representative prior to any interruptions in utility services.

G. CONSTRUCTION PHASING, SEQUENCING AND TRAFFIC MAINTENANCE

- Work sequence shall be coordinated with the Owner's representative and all identified project representatives.
- Owner will continue to use structure during restoration. Contractor must phase and arrange work to maintain access at all times to all areas that are not under construction for both vehicles and pedestrians.

- Work hours are 7 am - 7 pm, Monday - Friday. The Contractor shall verify work hours with the Owner. Contractor shall coordinate off-hours, weekend, and holiday Work with Owner at least 72 hours in advance.
- The Contractor is responsible for collection and removal of all construction debris on a daily basis, and the site shall be left in a neat and orderly condition, satisfactory to the Owner.
- The Contractor is responsible for protecting all adjacent structures, landscaping, and other surfaces and items which could be affected by the Work.

H. GENERAL CONCRETE REQUIREMENTS

- LATEX MODIFIED CONCRETE PATCHING (033750)**
COMPRESSIVE STRENGTH 5000 PSI @ 28 days (2500 @ 3 days)
WATER-CEMENT RATIO 0.25 to 0.40
LATEX CONTENT 3-1/2 GAL. (latex content?)
PER SACK OF CEMENT
MAX SIZE AGGREGATE 1/2 IN.
SLUMP* 4 IN. ± 2 IN.
CEMENT CONTENT 658 LB/C.Y. MIN
AIR CONTENT < 4%
*For concrete placed by vibratory screeds, slump shall not exceed 4 in. at point of deposit.
- PREPACKAGED REPAIR MATERIAL (033761)**
COMPRESSIVE STRENGTH 5000 psi at 28 DAYS
ENGINEER SHALL BE NOTIFIED A MINIMUM OF 24 HOURS FOR INSPECTION OF PREPARED CONCRETE SURFACES.

I. CONCRETE PROTECTION FOR REINFORCEMENT:

- The following applies for full section replacement where shown on drawings.
- The minimum concrete protection for reinforcement shall be per ACI 318-08, Section 7.7.
- For pre-stressed and non-pre-stressed reinforcement in pre-stressed/precast concrete members, the minimum concrete protection at top of members shall be 1-1/2 in.
- Minimum cover for reinforcing in non-pre-stressed concrete and non-post-tensioned members.

	Minimum Concrete Cover (inches)
a. Slab top reinforcement	1-1/2
b. Slab bottom reinforcement	3/4
c. Beam top reinforcement, U.N	3"
d. Beam stirrups at sides and bottom of beam	1-1/2
e. Beam stirrups at top of beam	2-1/2
f. Column ties	1-1/2

* Or 3X bar diameter, whichever is greater.

J. EPOXY COATING FOR REINFORCEMENT AND ANCHORS

- Epoxy coat all reinforcement exposed within repair areas, except welded wire reinforcement.

K. GENERAL P-T TENDON REPAIR NOTES:

- Tendons are near the floor surface. The contractor shall exercise extreme caution during sawcutting and removals so as not to damage existing tendons or tendon sheaths. Tendons may break with explosive force during removals or when chipping with 15lb. hammers shall be used in lieu of sawcutting near shallow tendons.
- Caution is required when performing concrete removals. Elevations of P-T tendons in beams vary. Coordinate inspection of exposed tendons following concrete removals.
- Contractor is solely responsible for the following:
a. Training and monitoring his work force concerning the safety procedures that should be employed in the execution of this work.
b. Maintaining stability of the structure and elements within the structure, during repair work, including but not limited to the installation of shoring and bracing.
- During the repair sequence, shoring may be required along the tendon run. As a minimum, shores shall be installed at all sites along the tendon run per WI 21.6 and 21.7.
- Contractor shall be responsible for reviewing available original drawings. Review original drawings and coordinate repair procedures prior to proceeding with the Work. Representative locations of existing P-T tendons and anchors are shown. Exact locations shall be verified in field by Contractor prior to concrete removals. Existing reinforcing steel is not shown on the repair details (UNO). Do not cut any reinforcing, unless directed by Engineer in writing.
- P-T repairs and de-tensioning procedures shall be reviewed at preconstruction or preinstallation meeting. No deviation from written, agreed-upon procedures will be allowed unless directed in writing by the Engineer. As a minimum, during detensioning operations, close all floor spans including level below, being detensioned, to prevent injury in the event of a tendon popping out of the slab.
- Not all tendon failures are in areas of floor delamination. Perform removal of all sound concrete as required to expose tendons and anchors.
- Maintain original tendon profiles within concrete removal areas. Do not remove concrete below tendons unless required for splicing repairs or to replace damaged sheathing.
- Tendons may occur individually or bundled.
- Do not damage tendons in repair area. Contractor-caused damage to tendons shall be repaired as directed by Engineer at no cost to Owner.
- All P-T repairs shall be reviewed by Engineer prior to commencing work related to the P-T repair.

L. POST-INSTALLED ANCHORS

- Expansion Anchors - Hilti Kwik Bolt III, Unless noted.
- Adhesive Anchors - Hilti HY150-Max SD, Unless noted.
- Contractor shall locate existing embedded reinforcement using non-destructive testing prior to fabrication of attachments or drilling of holes.

Notify Engineer of obstructions that will prevent installation of anchors at design locations.

- Post-installed Anchors must be installed using the spacing and edge distances given on the plans or details. If field conditions dictate that the anchor spacing or edge distance be modified, the Contractor shall submit a field sketch to the Engineer for review prior to making any modifications.
- Post-installed anchor holes shall be drilled per manufacturer's written instructions.
- Adhesive Anchors shall be installed by an ACI-CRSI Certified "Adhesive Anchor Installer"

M. MASONRY

- Compressive strength of masonry, f_m = 2000 psi.
- Mortar type "S".

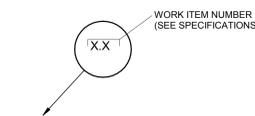
N. ABBREVIATIONS

- APPROX = Approximately
- AGG = Aggregate
- BM = Beam
- BOT = Bottom
- CIP = Cast in Place
- CJ = Construction Joint/Control Joint
- CLR = Clearance
- COL = Column
- CONC = Concrete
- DET = Detail
- EA = Each
- E.E. = Each End
- E.S. = Each Side
- EMBED = Embedment length
- EJ = Expansion Joint
- EXIST = Existing
- FIN = Finished
- FL = Floor
- IN = Inches
- INC = Incidental
- LF = Linear Foot
- LS = Lump Sum
- MAX = Maximum
- MIN = Minimum
- N/A = Not Applicable
- OC = On Center
- OH = Opposite Hand
- P/C = Precast
- REINF = Reinforcement
- REQ'D = Required
- SF = Square Foot
- SIM = Similar
- SOG = Slab on Ground
- SPEC = Specification
- SUPT = Supported
- T = Top
- TAR = Typical as Required
- TYP = Typical
- UN or UNO = Unless Noted Otherwise
- WI = Work Item
- WWR = Welded Wire Reinforcement

ADD OTHER ABBREVIATIONS ABOVE AS APPROPRIATE.

GENERAL LEGEND

- INDICATES CONCRETE FLOOR REPAIR
- INDICATES OVERHEAD CONCRETE REPAIR
- INDICATES EXISTING MEMBRANE
- INDICATES UNSEALED CRACK REFER TO WORK ITEM 11.1
- INDICATES EXISTING SEALED CONSTRUCTION JOINT REFER TO WORK ITEM 11.2
- INDICATES EXPANSION JOINT REFER TO WORK ITEM 10.3



WORK ITEM IDENTIFICATION

AVENUE PARKING STRUCTURE - WORK ITEM SCHEDULE

Work Item	Description	Unit	Ground Level	2nd Level	3rd Level	4th Level	5th Level	Roof Level	Total
1.1	General Requirements	L.S.							1
2.1	Pressure Wash Floor	L.S.	1						1
3.1	Floor Repair	S.F.		10	10	5	10		35
3.1.1	Floor Repair w/Traffic Topping	S.F.						100	100
6.1	Column Repair	S.F.					15		15
10.3	Expansion Joint - Elastomeric	S.F.		60					60
11.1	Seal Random Cracks	L.F.		350	150	50	200		750
11.2	Construction Joint Sealant	L.F.		250	250	250	200		950
11.3	Vertical Joint Sealant	L.F.	175					125	300
11.7	Cove Sealant	L.F.		1,000	1,000	1,000	1,000	250	4,250
15.1	Concrete Sealer	S.F.		23,200	26,100	26,100	26,100		101,500
21.6	Tendon Splice Coupling (Center-Pull)	EA.			1				1
21.7	Tendon Splice Coupling (Single)	EA.			1				1
21.9	P/T Tendon Material	L.F.			30				30
25.2	Floor Drain	EA.	5	6	6	6	5	5	33
25.3	Pipe and Hanger	L.F.	25	30	30	30	25	25	185
25.6	Repair Damaged Downspout	L.S.						1	1
35.1	Tuckpointing	L.F.	225						225
35.2	Masonry Unit Replacement	S.F.	15						15
37.3	Door Sweeps	EA.						2	2
43.1	Barrier Cable Replacement	L.S.	1						1
45.1	Paint Traffic Markings	L.S.	1	1	1	1	1	1	1
45.5	Paint Door & Frame	EA.	2						2
45.6	Paint Handrails	L.S.	2	2	2	2	2	2	2
45.8	Paint Structural Steel	L.S.	1	1	1	1	1	1	1
74.7	Capstone Joint Repair	L.F.	200	20	20	20	20	30	310
74.8	Capstone Repair	EA.	3		1				4
91.5	Elastomeric Coating	S.F.				400	1,600	2,800	4,800

HOLLY COURT - WORK ITEM SCHEDULE

Work Item	Description	Unit	Ground Level	2nd Level	3rd Level	4th Level	5th Level	6th Level	Total
1.1	General Requirements	L.S.	1	1	1	1	1	1	1
3.1	Floor Repair	S.F.	80	70	200	140	550		1,040
3.1.1	Floor Repair w/Traffic Topping	S.F.					80	580	660
4.1	Ceiling Repair	S.F.	15	10	40				65
5.1	Beam Repair	S.F.	80	30	10		15		135
6.1	Column Repair	S.F.	50					20	70
7.1	Wall Repair	S.F.	15	10	15	10	10		60
10.3	Expansion Joint - Elastomeric	L.F.					220	175	395
10.6	Expansion Joint - Silicone Seal	L.F.	1	80	80	80	175	175	590
11.1	Seal Random Cracks	L.F.					250	450	700
11.2	Construction Joint Sealant	L.F.					375		375
11.3	Vertical Joint Sealant	L.F.					75		75
11.4	Tee-to-Tee Joint Sealant	L.F.					700		700
11.7	Cove Sealant	L.F.					2,450	350	2,800
15.1	Concrete Sealer	S.F.					67,700	30,100	97,800
16.1	Traffic Topping	S.F.	300	800	800	1,500	800	400	4,600
25.2	Floor Drain	EA.	1	1	1	1	1		4
25.3	Pipe and Hanger	L.F.	50	50	50	50	120		270
25.4	Roof Drain	EA.					2		2
35.1	Tuckpointing	L.F.						20	20
37.1	Door & Frame Replacement	EA.						1	1
38.1	Metal Flashing	L.F.					160		160
45.1	Paint Traffic Markings	L.S.	1	1	1	1	1	1	1
45.6	Paint Handrails	L.S.	1	1	1	1	1	1	1
73.6	Capstone Flashing	L.F.						60	60
74.8	Capstone Repair	EA.						20	20
96.4	Remove & Replace Roofing System	S.F.					700		700

VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

1 05/18/2018 RELEASED FOR BIDS

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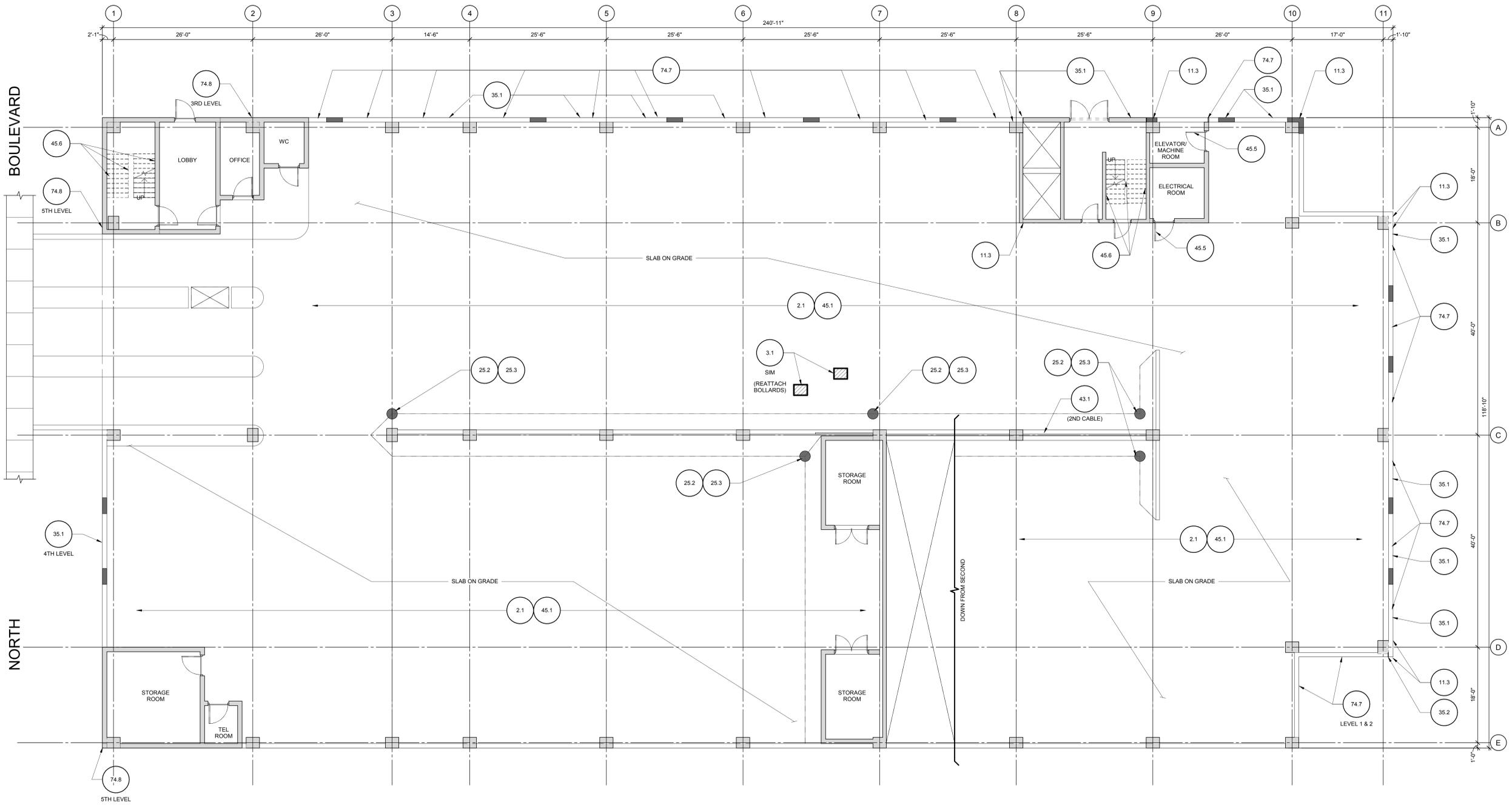
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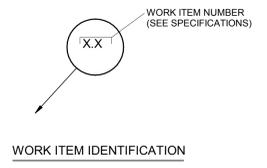
GENERAL NOTES, LEGENDS, & WORK ITEM SCHEDULE



1 GROUND LEVEL FLOOR PLAN
1/8" = 1'-0"



- GENERAL LEGEND**
- INDICATES CONCRETE FLOOR REPAIR
 - INDICATES OVERHEAD CONCRETE REPAIR
 - INDICATES EXISTING MEMBRANE
 - INDICATES UNSEALED CRACK REFER TO WORK ITEM 11.1
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 - INDICATES EXPANSION JOINT REFER TO WORK ITEM 10.3



SHEET NOTES

1. CONTRACTOR RESPONSIBLE FOR DETERMINING ACTUAL EXTENT AND LOCATIONS OF REPAIR AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. WORK ITEM IS SHOWN ONLY TO REPRESENT THE TYPES OF DEGRADATION.
 2. REFER TO SHEET R-001 FOR GENERAL NOTES, LEGEND, AND WORK ITEM SCHEDULE.
 3. REFER TO SHEETS R-501 AND R-502 FOR REPAIR DETAILS.
 4. CONTRACTOR SHALL MAINTAIN OR PROVIDE TEMPORARY POWER TO ALL LIGHT FIXTURES, IN FULL DEPTH AREAS OR REPAIR. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REINSTALLING LIGHT FIXTURES AND CONDUITS.
- CAUTION:**
THE FLOOR SLAB HAS POST-TENSIONING TENDONS. THESE TENDONS ARE NEAR THE FLOOR SURFACE AT SPALLS AND DELAMINATIONS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW-CUTTING, CHIPPING OR WORKING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON SHEATHS. TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT. CHIPPING WITH 15LB HAMMERS SHALL BE USED IN LIEU OF SAW-CUTTING NEAR SHALL TENDONS. HYDRO-DEMOLITION IS PROHIBITED.

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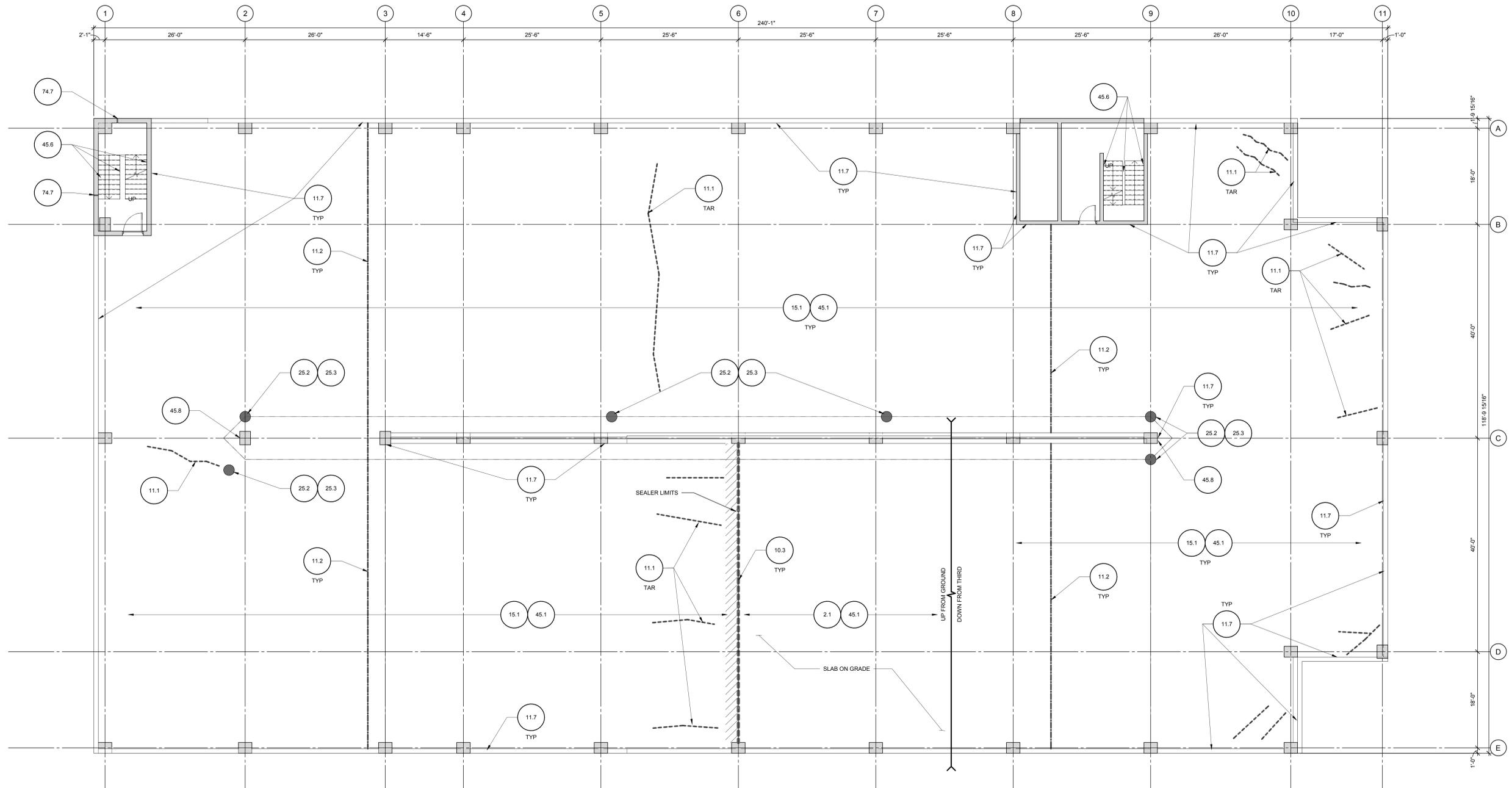
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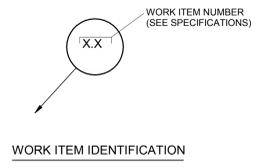
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1 2ND LEVEL FLOOR PLAN
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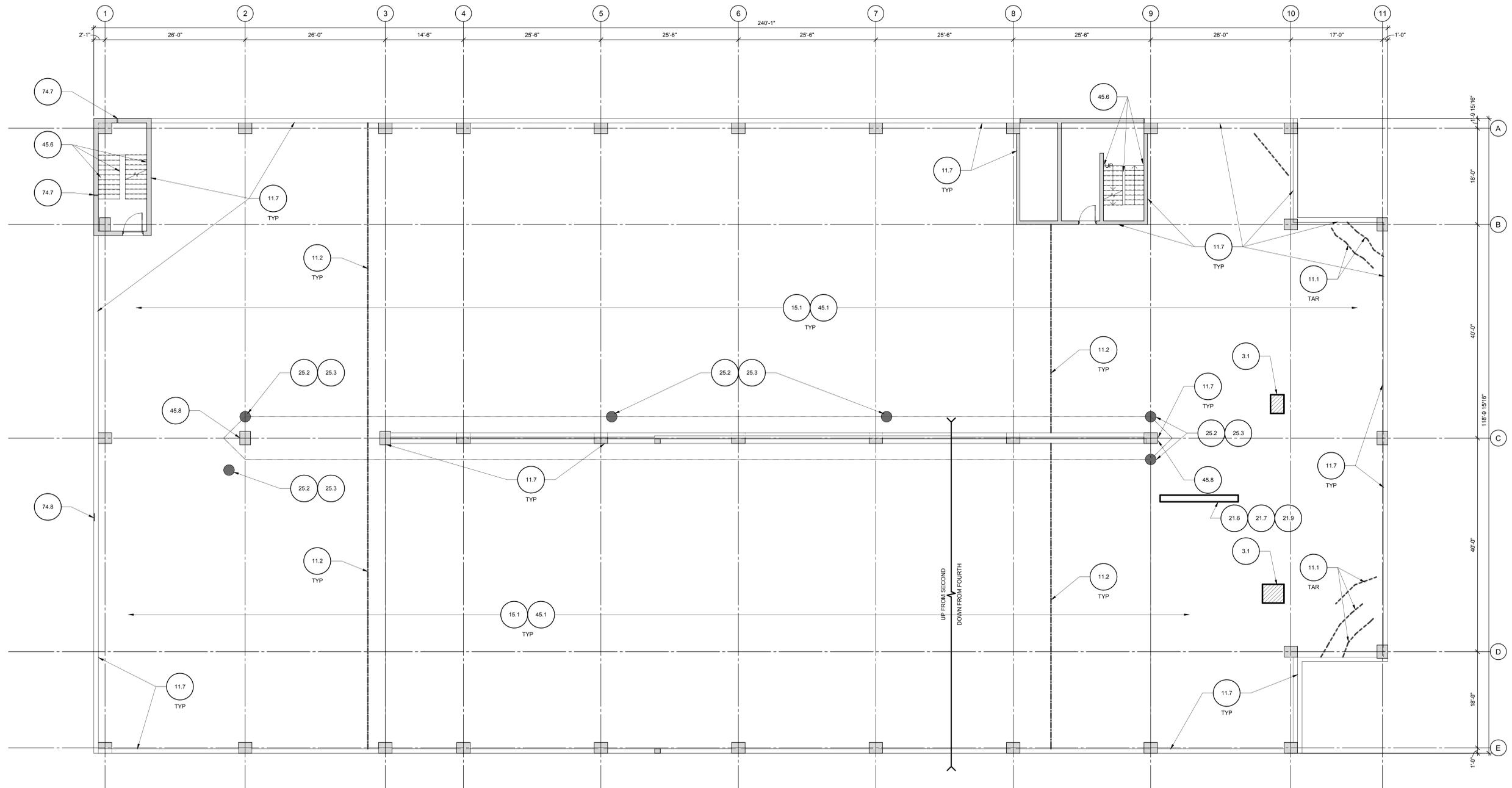
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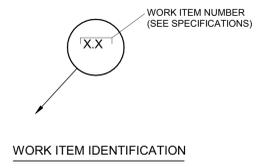
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1 3RD LEVEL FLOOR PLAN
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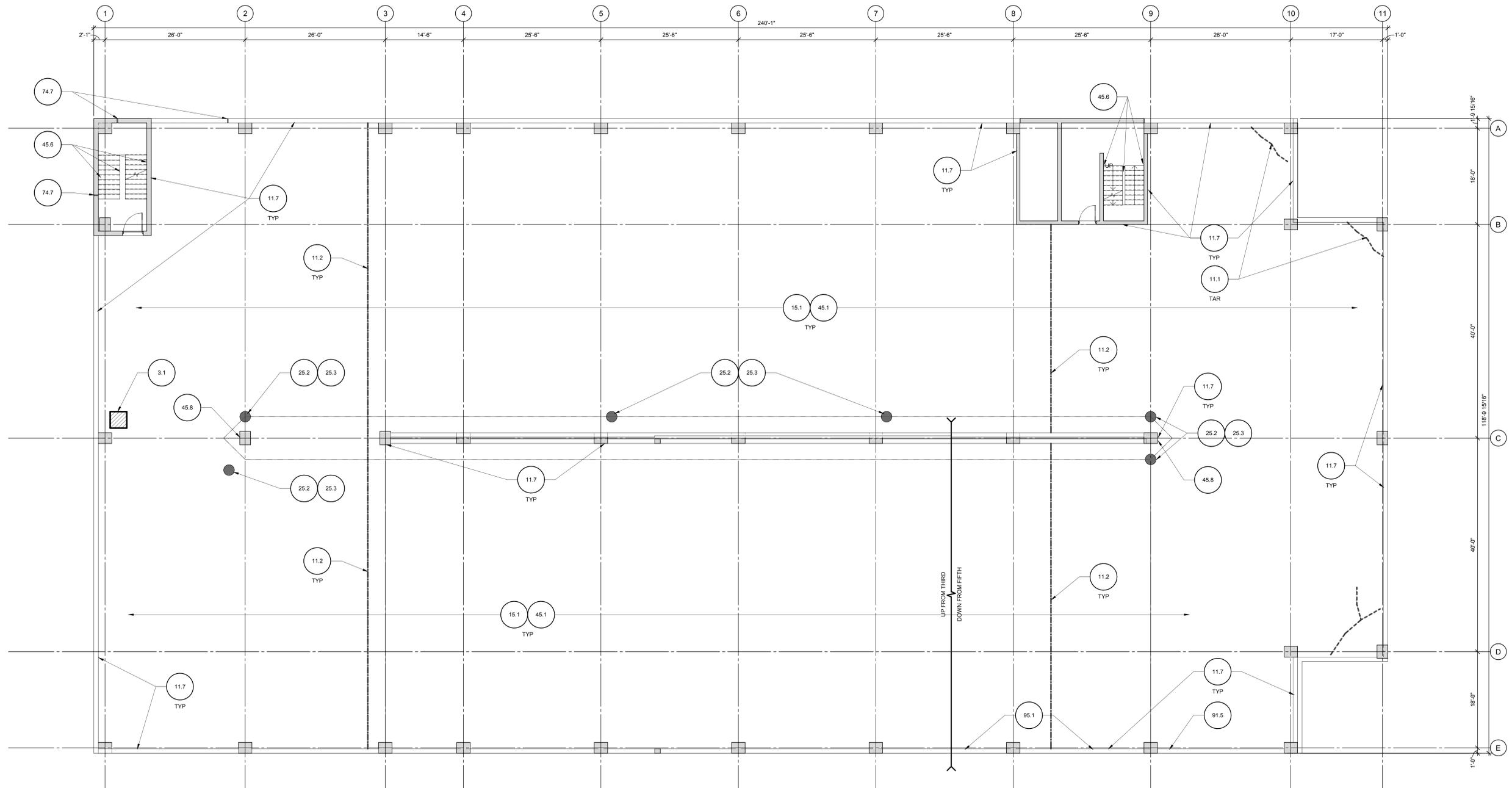
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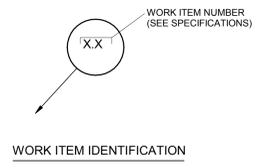
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1 4TH LEVEL FLOOR PLAN
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 3. REFER TO SHEETS R-501 AND R-502 FOR REPAIR DETAILS.
 4. CONTRACTOR SHALL MAINTAIN OR PROVIDE TEMPORARY POWER TO ALL LIGHT FIXTURES. IN FULL DEPTH AREAS OR REPAIR, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REINSTALLING LIGHT FIXTURES AND CONDUITS.
- CAUTION:**
THE FLOOR SLAB HAS POST-TENSIONING TENDONS. THESE TENDONS ARE NEAR THE FLOOR SURFACE AT SPALLS AND DELAMINATIONS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW-CUTTING, CHIPPING OR WORKING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON SHEATHS. TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT. CHIPPING WITH 16LB HAMMERS SHALL BE USED IN LIEU OF SAW-CUTTING NEAR SHALL TENDONS. HYDRO-DEMOLITION IS PROHIBITED.

VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

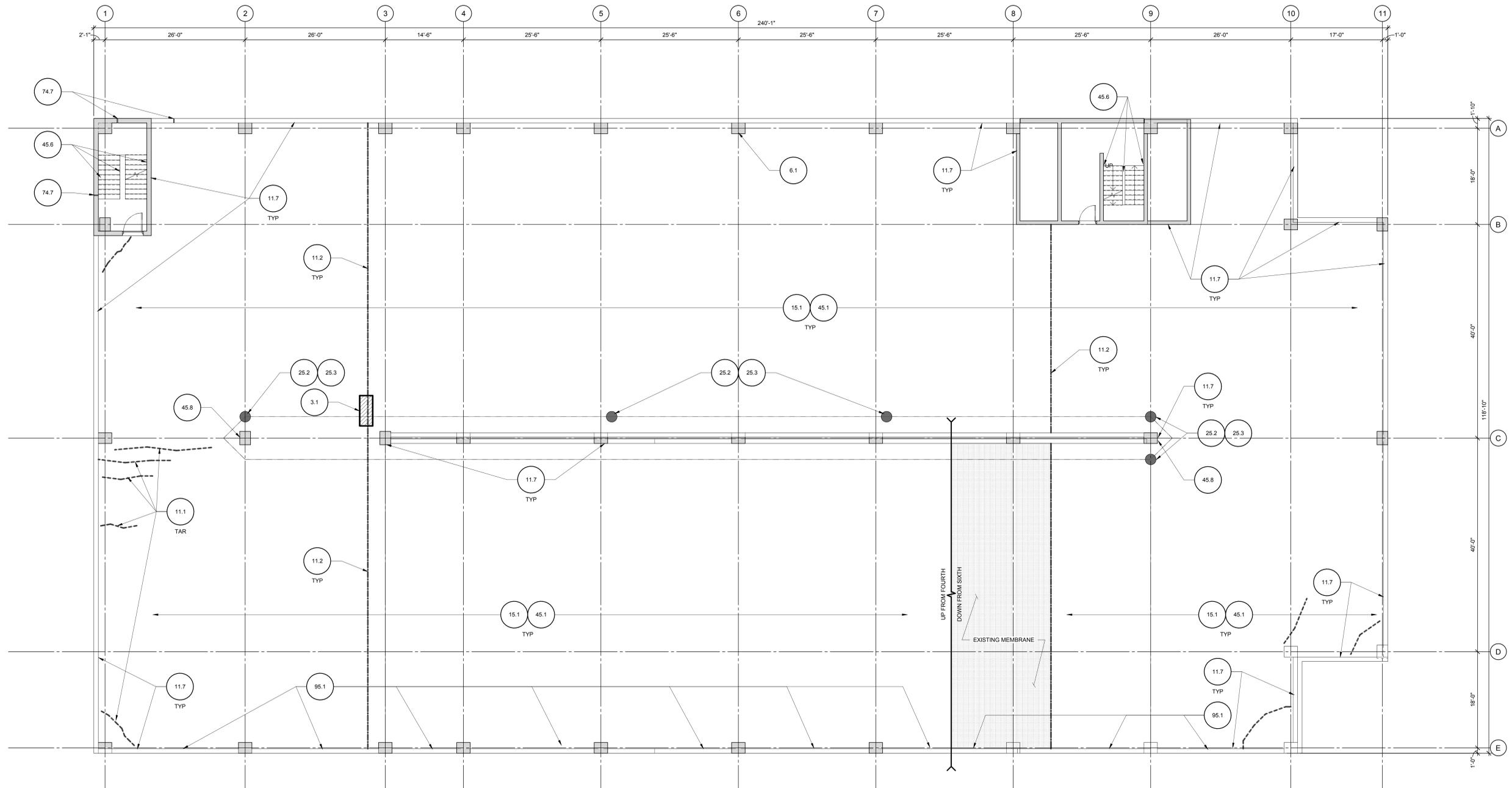
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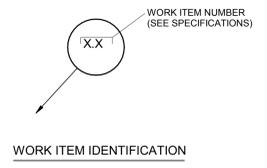
4TH LEVEL FLOOR PLAN



1 5TH LEVEL FLOOR PLAN
1/8" = 1'-0"



- GENERAL LEGEND**
- INDICATES CONCRETE FLOOR REPAIR
 - INDICATES OVERHEAD CONCRETE REPAIR
 - INDICATES EXISTING MEMBRANE
 - INDICATES UNSEALED CRACK REFER TO WORK ITEM 11.1
 - INDICATES EXISTING SEALED CONSTRUCTION JOINT REFER TO WORK ITEM 11.2
 - INDICATES EXPANSION JOINT REFER TO WORK ITEM 10.3



SHEET NOTES

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VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018

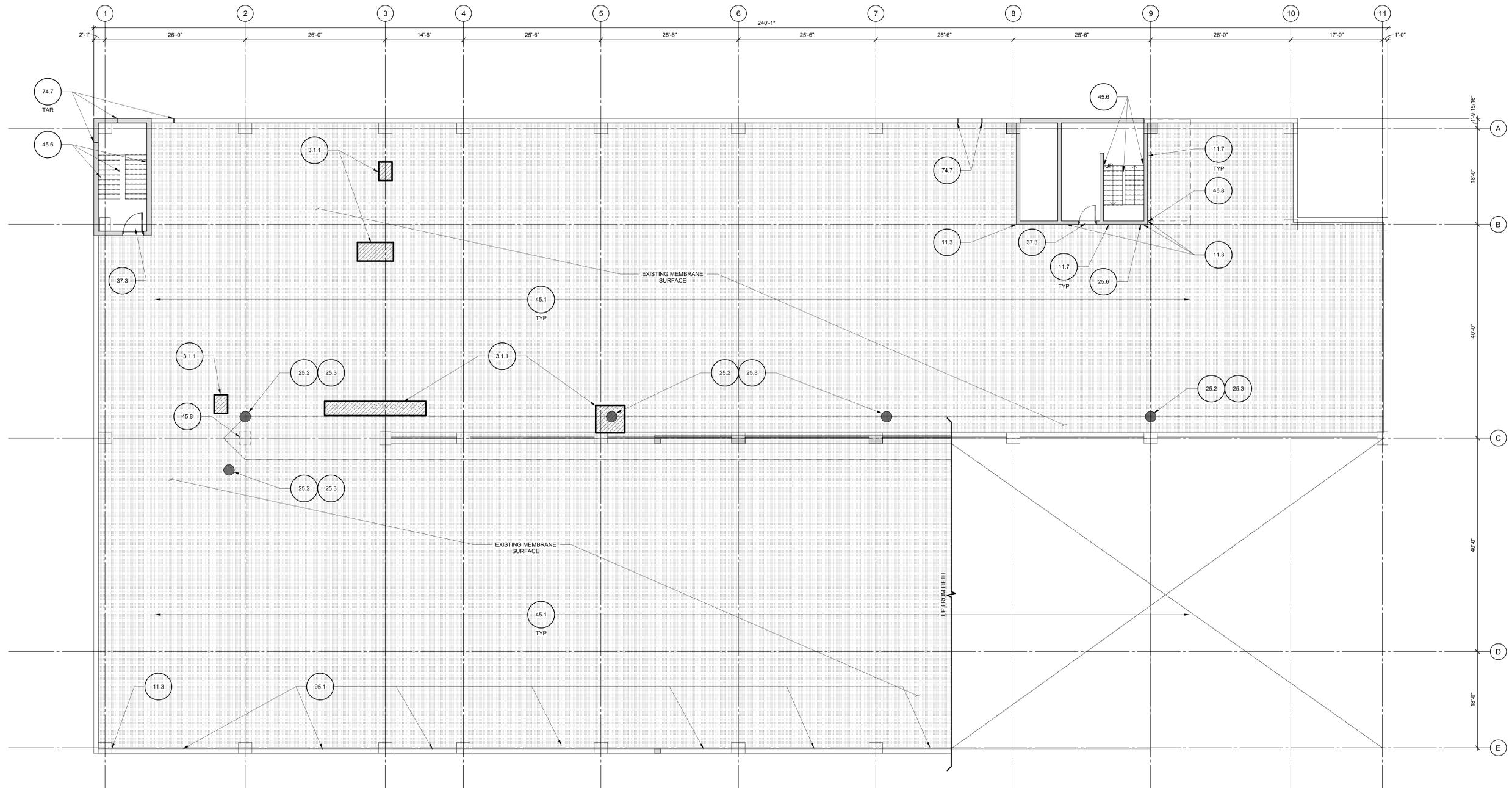
OAK PARK, ILLINOIS

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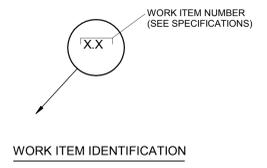
SHEET TITLE:
5TH LEVEL FLOOR PLAN



1 6TH LEVEL FLOOR PLAN
1/8" = 1'-0"



- GENERAL LEGEND**
- INDICATES CONCRETE FLOOR REPAIR
 - INDICATES OVERHEAD CONCRETE REPAIR
 - INDICATES EXISTING MEMBRANE
 - INDICATES UNSEALED CRACK REFER TO WORK ITEM 11.1
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VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

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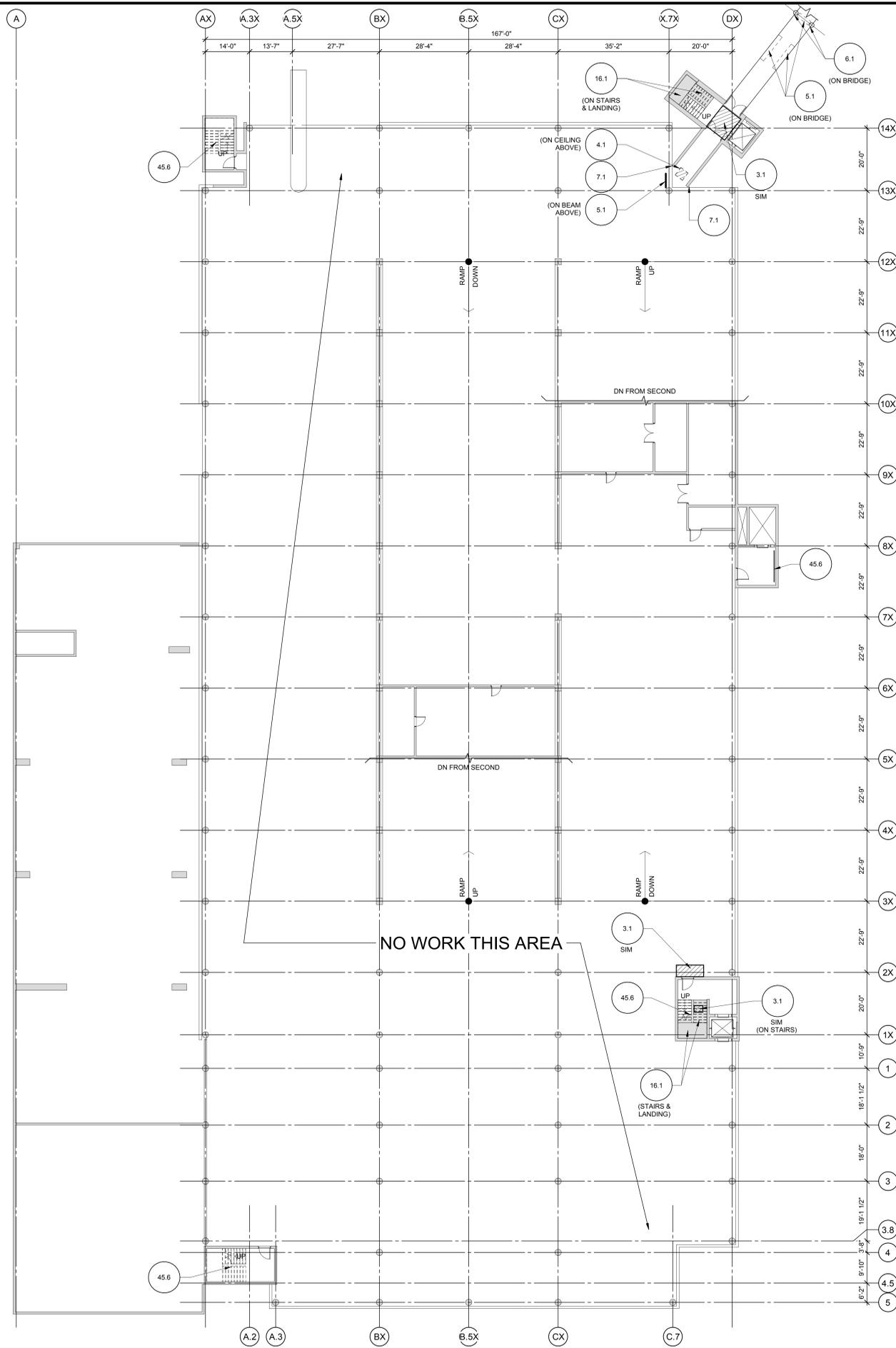
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SHEET TITLE:

6TH LEVEL FLOOR PLAN

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1 GROUND LEVEL FLOOR PLAN
1/16" = 1'-0"

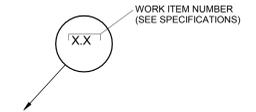
SHEET NOTES

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GENERAL LEGEND

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- INDICATES EXISTING MEMBRANE
- INDICATES UNSEALED CRACK REFER TO WORK ITEM 11.1
- INDICATES EXISTING SEALED CONSTRUCTION JOINT REFER TO WORK ITEM 11.2
- INDICATES EXPANSION JOINT REFER TO WORK ITEM 10.3



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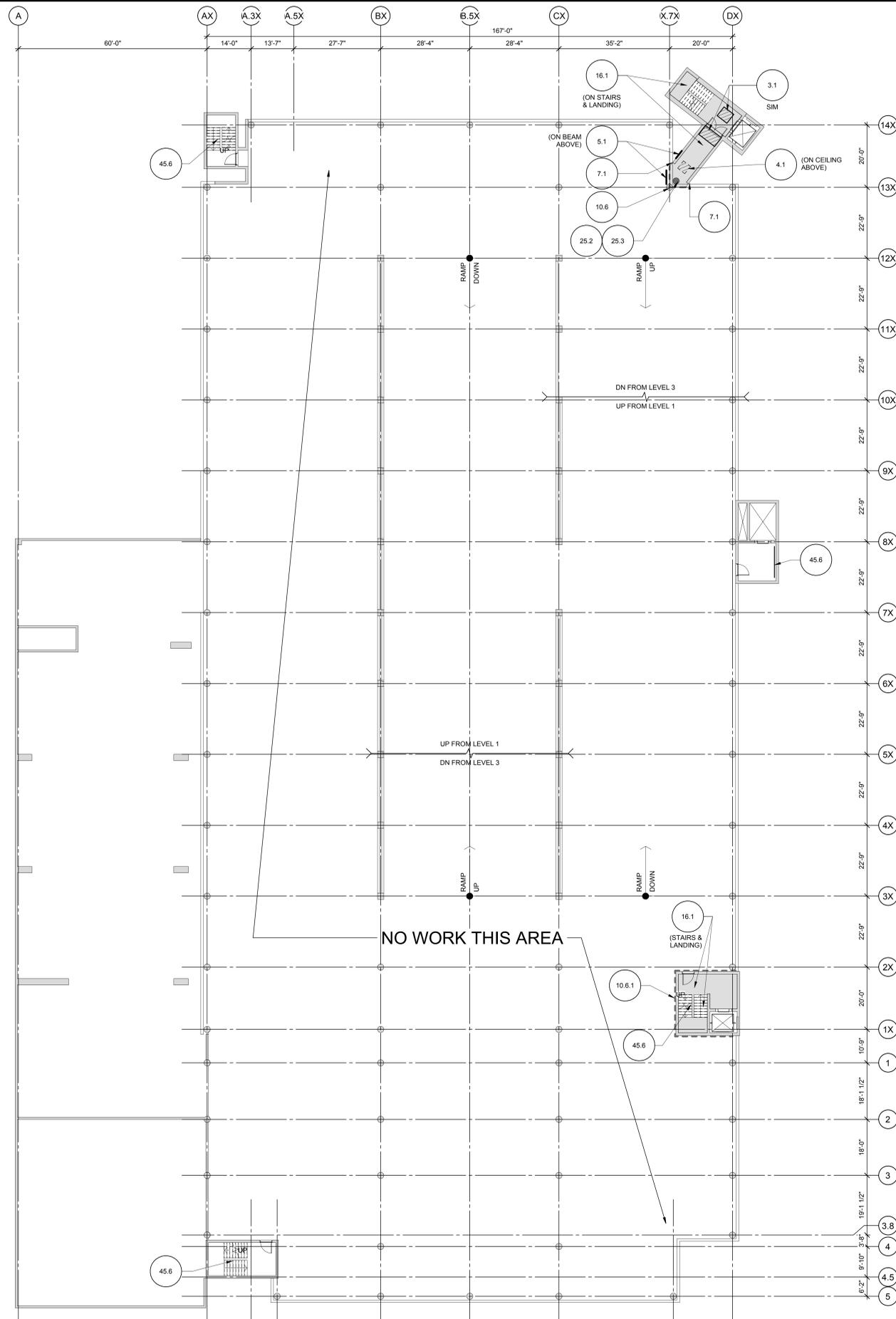
VILLAGE OF OAK PARK
AVENUE AND HOLLEY
COURT PARKING STRUCTURES
MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

MARK	DATE	DESCRIPTION
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ISSUE:
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SHEET TITLE:
GROUND LEVEL FLOOR PLAN



1 2ND LEVEL FLOOR PLAN
1/16" = 1'-0"

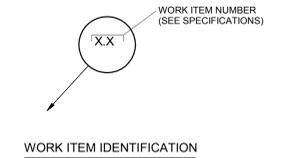


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CAUTION: GENERAL LEGEND
THE FLOOR SLAB HAS POST-TENSIONING TENDONS. THESE TENDONS ARE NEAR THE FLOOR SURFACE AT STRAIGHT PORTALS. THE CONTRACTOR SHALL INDICATE CONCRETE FLOOR REPAIR, SAW-CUTTING, CHIPPING OR WORKING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON SHEATHS. TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT. CHIPPING WITH 15LB HAMMERS SHALL BE USED IN LIEU OF SAWING OVERHEAD CONCRETE. REPAIR DEMOLITION IS PROHIBITED.

- INDICATES EXISTING MEMBRANE
- INDICATES UNSEALED CRACK REFER TO WORK ITEM 11.1
- INDICATES EXISTING SEALED CONSTRUCTION JOINT REFER TO WORK ITEM 11.2
- INDICATES EXPANSION JOINT REFER TO WORK ITEM 10.3



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VILLAGE OF OAK PARK
AVENUE AND HOLLEY
COURT PARKING STRUCTURES
MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

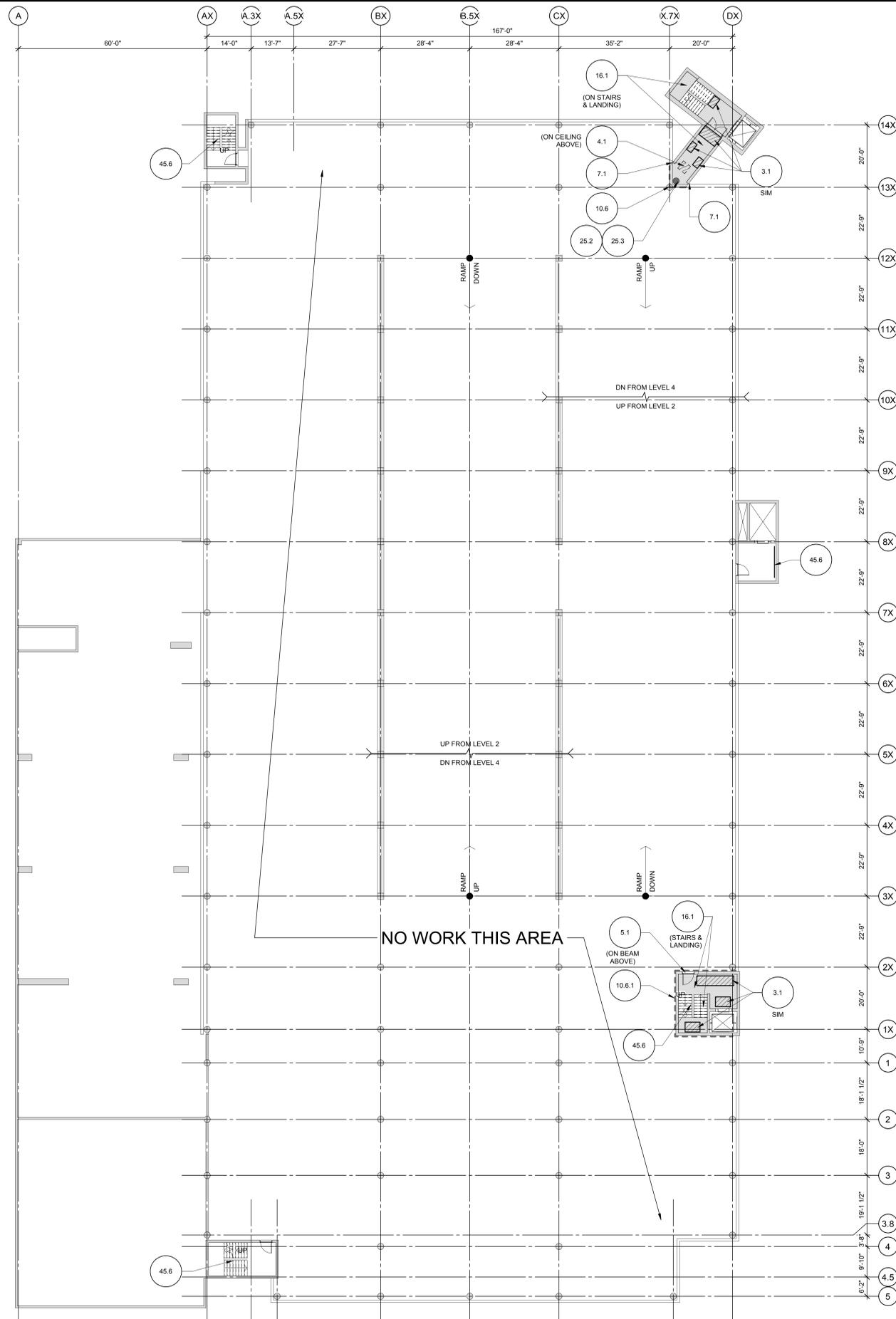
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SHEET TITLE:

2ND LEVEL FLOOR PLAN



1 3RD LEVEL FLOOR PLAN
1/16" = 1'-0"

SHEET NOTES

1. CONTRACTOR RESPONSIBLE FOR DETERMINING ACTUAL EXTENT AND LOCATIONS OF REPAIR AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. WORK ITEM IS SHOWN ONLY TO REPRESENT THE TYPES OF DEGRADATION.
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- INDICATES EXPANSION JOINT REFER TO WORK ITEM 10.3

WORK ITEM NUMBER (SEE SPECIFICATIONS)

WORK ITEM IDENTIFICATION



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847.697.2640 Ph
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VILLAGE OF OAK PARK
AVENUE AND HOLLEY
COURT PARKING STRUCTURES
MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

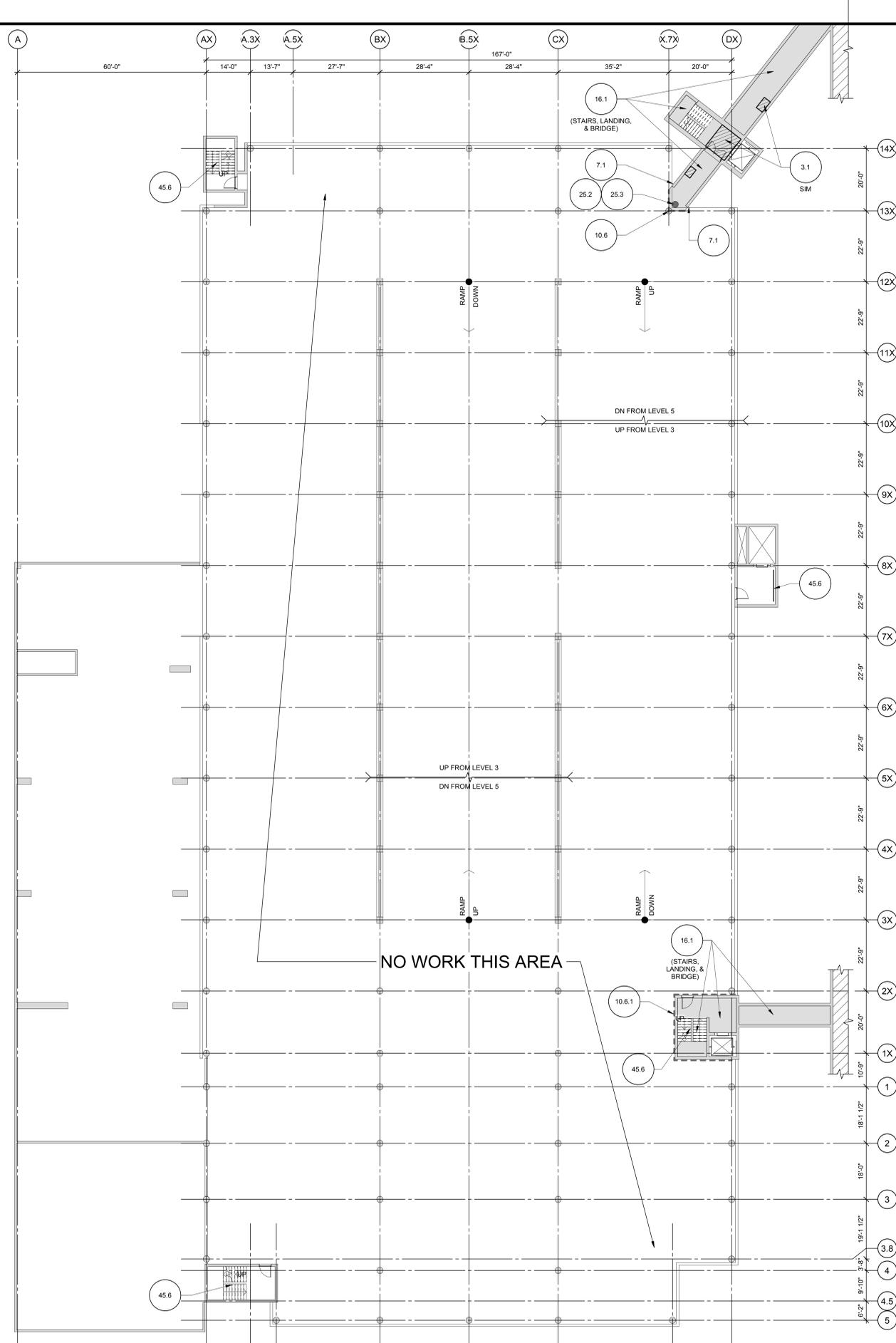
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SHEET TITLE:
3RD LEVEL FLOOR PLAN

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1 4TH LEVEL FLOOR PLAN
1/16" = 1'-0"



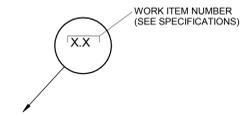
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- INDICATES EXPANSION JOINT REFER TO WORK ITEM 10.3



WORK ITEM IDENTIFICATION



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VILLAGE OF OAK PARK
AVENUE AND HOLLEY
COURT PARKING STRUCTURES
MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

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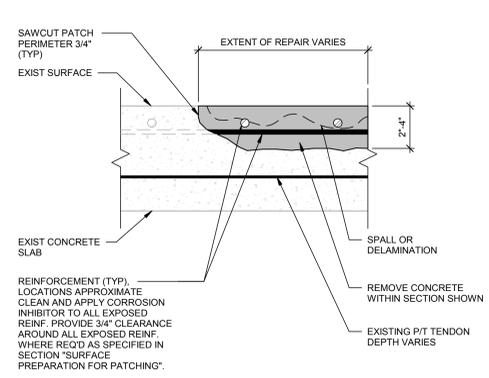
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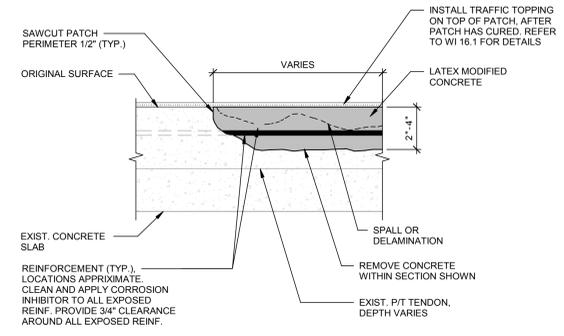
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SHEET TITLE:
4TH LEVEL FLOOR PLAN

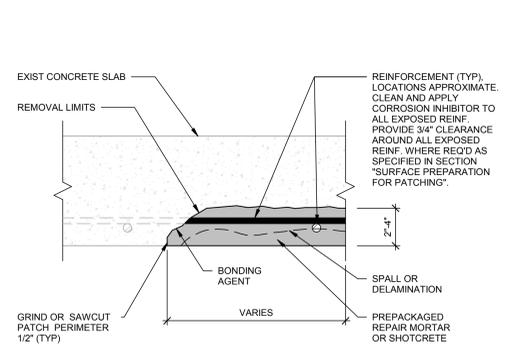
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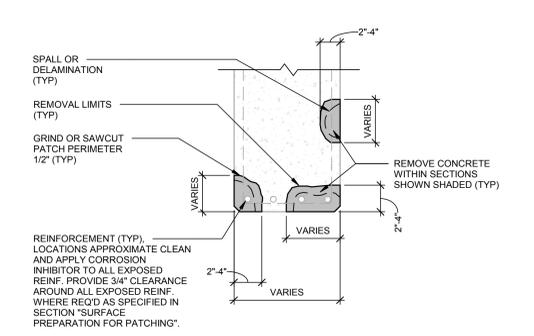
3.1 FLOOR REPAIR



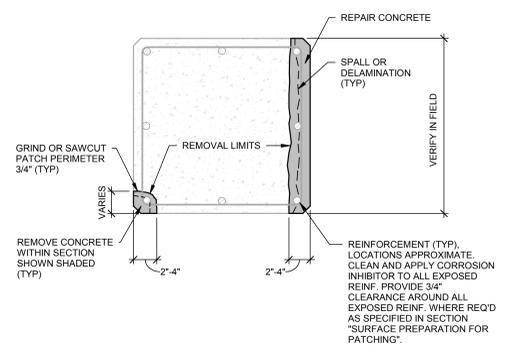
3.1.1 FLOOR REPAIR-W/ TRAFFIC TOPPING



4.1 CEILING REPAIR

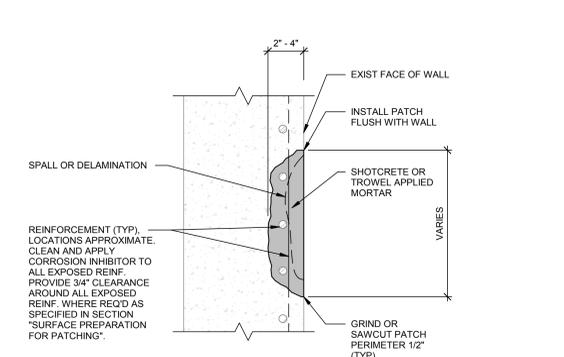


5.1 BEAM REPAIR

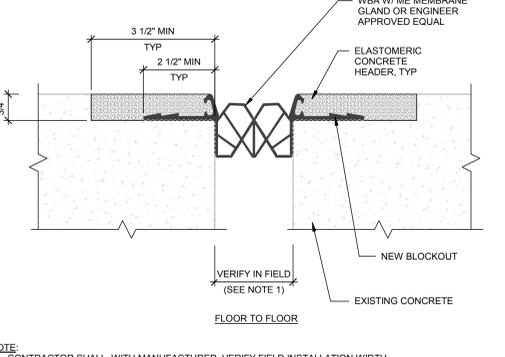


NOTES:
1. COLUMN TIES WHICH HAVE LOST MORE THAN 15% OF ORIGINAL CROSS SECTIONAL AREA SHALL BE SUPPLEMENTED AS ENGINEER DIRECTS.
2. NUMBER AND LOCATION OF REINFORCEMENT SHOWN MAY DIFFER FROM ACTUAL FIELD CONDITIONS.

6.1 COLUMN REPAIR

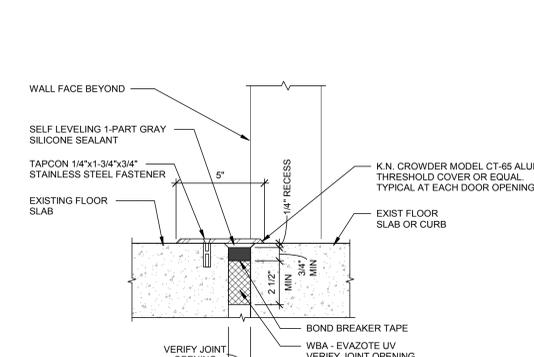


7.1 WALL REPAIR

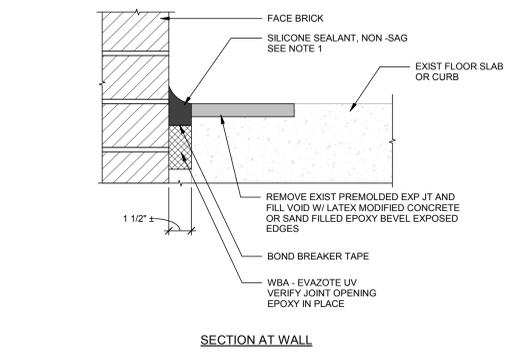


NOTE:
1. CONTRACTOR SHALL, WITH MANUFACTURER, VERIFY FIELD INSTALLATION WIDTH BASED ON TEMPERATURE CONDITIONS.
2. PROVIDE SHOP DRAWINGS SHOWING JOINT INTERSECTIONS AND WALL TERMINATIONS.

10.3 EXPANSION JOINT-ELASTOMERIC

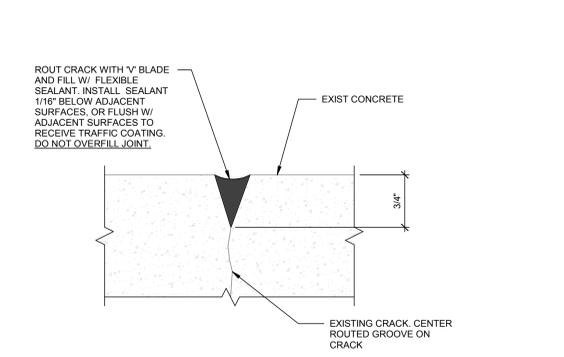


10.6 EXPANSION JOINT-SILICONE SEAL

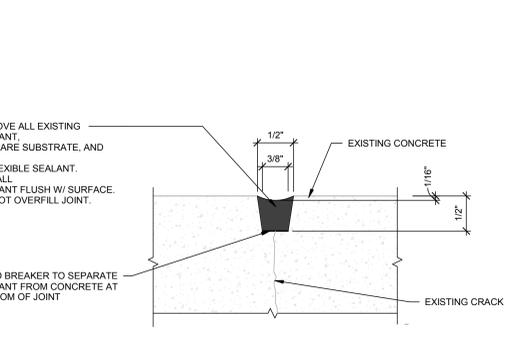


NOTE:
1. SEE DETAIL 10.6 FOR REMAINING INFORMATION.

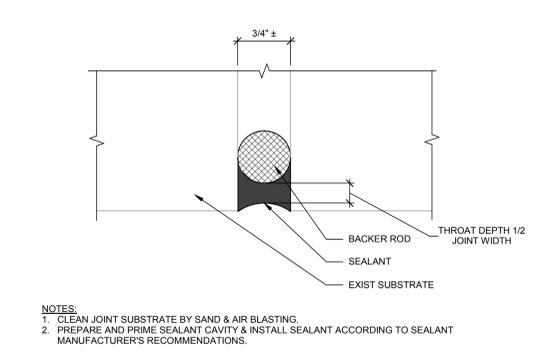
10.6.1 EXPANSION JOINT-SILICONE SEAL



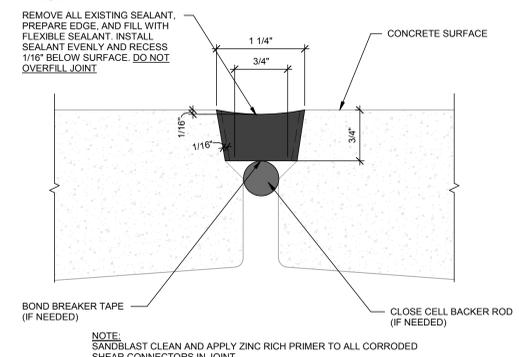
11.1 SEAL RANDOM CRACKS



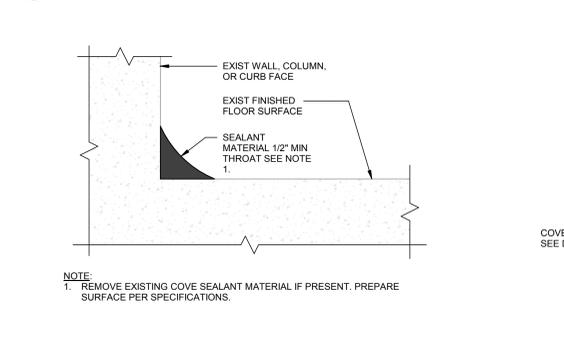
11.2 CONSTRUCTION JOINT SEALANT



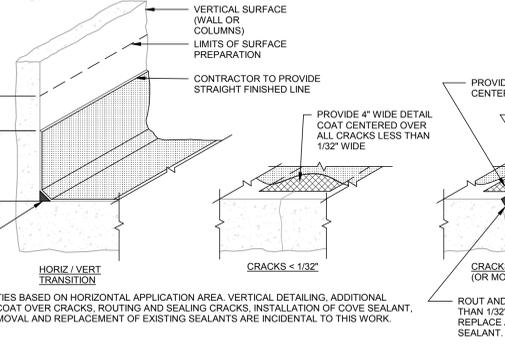
11.3 VERTICAL JOINT SEALANT



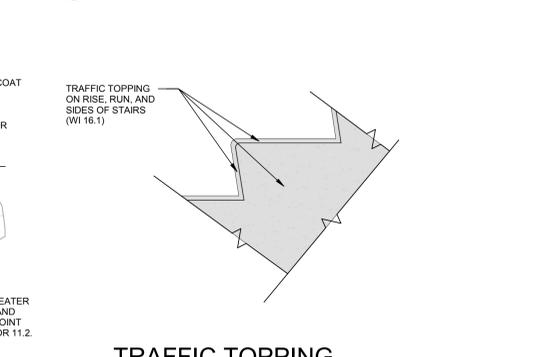
11.4 TEE-TO-TEE JOINT SEALANT



11.7 COVE SEALANT



16.1 TRAFFIC TOPPING-VEHICULAR



16.1.1 TRAFFIC TOPPING (ON STAIRS AND LANDINGS)

VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018

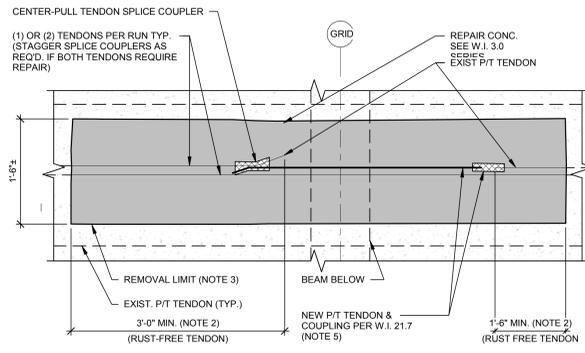
OAK PARK, ILLINOIS

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SHEET TITLE: REPAIR DETAILS

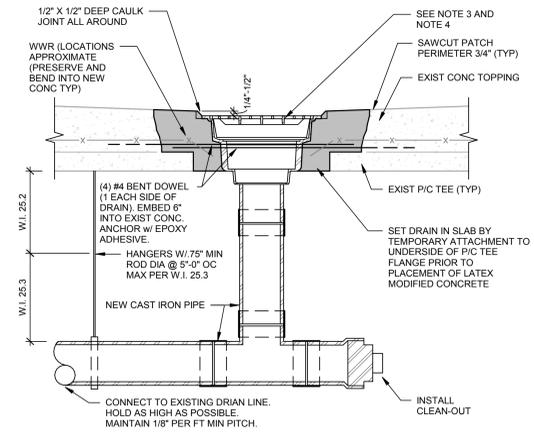


PARTIAL FLOOR PLAN

- NOTES:
1. INCREASE CONCRETE REMOVAL LENGTH AS REQUIRED BY STRESSING AND INSTALLATION METHODS.
 2. STAGGER SPLICE COUPLERS IF MORE THAN (1) TENDON PER RUN REQUIRES REPAIR. ALTERNATE CENTER-PULL COUPLERS ON OPPOSITE SIDES OF GRID LINE.
 3. LOCATE SPLICE COUPLINGS ALONG EXIST. TENDON PROFILE AT SLAB MID-DEPTH.
 4. NEW TENDON LENGTH BEYOND 10'-0\"/>

TENDON SPLICE COUPLING (CENTER-PULL) TENDON SPLICE COUPLING (SINGLE)

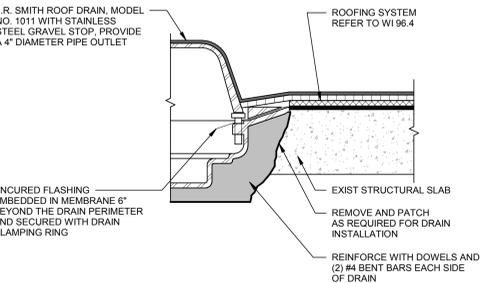
21.6 21.7



- NOTES:
1. USE SERVICE WEIGHT CAST IRON PIPE. ALL MATERIALS SHALL BE IN ACCORDANCE WITH PREVAILING BUILDING ORDINANCES.
 2. INSTALL ADJUSTABLE HANGERS AS REQUIRED. VERIFY MINIMUM HEIGHT RESTRICTIONS OF PREVAILING BUILDING ORDINANCES PRIOR TO INSTALLATION.
 3. **ROOF LEVEL DRAINS:**
 - a. SMITH 2140-U-M-B
 - b. WADE 1200-13
 - c. OR ENGINEER APPROVED EQUIVALENT
 4. **COVERED LEVEL DRAINS:**
 - a. SMITH 2110-U-M-B
 - b. WADE 1310
 - c. OR ENGINEER APPROVED EQUIVALENT

FLOOR DRAIN PIPE & HANGER

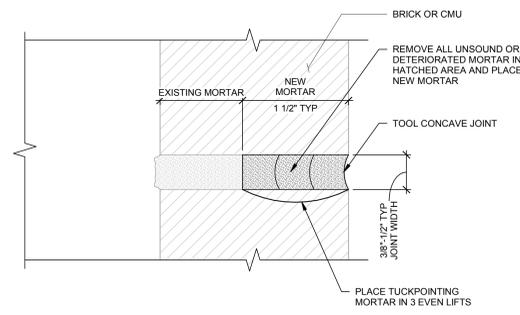
25.2 25.3



- NOTES:
1. REMOVE LOOSE MATERIAL FROM JOINT.
 2. FILL AND VOIDS IN JOINT BEFORE POINTING WORK DEPTH.
 3. GRIND BRICK SURFACES CLEAN OF EXISTING MORTAR. DO NOT DAMAGE ADJACENT MASONRY.
 5. TOOL MORTAR JOINT CONCAVE.

ROOF DRAIN

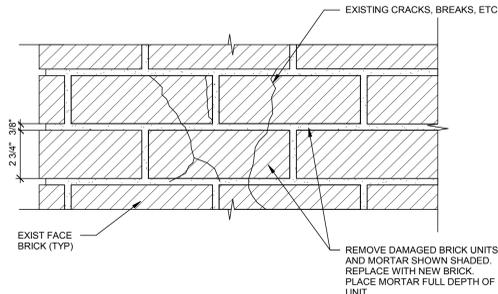
25.4



- NOTES:
1. REMOVE LOOSE MATERIAL FROM JOINT.
 2. FILL AND VOIDS IN JOINT BEFORE POINTING WORK DEPTH.
 3. GRIND BRICK SURFACES CLEAN OF EXISTING MORTAR. DO NOT DAMAGE ADJACENT MASONRY.
 5. TOOL MORTAR JOINT CONCAVE.

TRUCKPOINTING

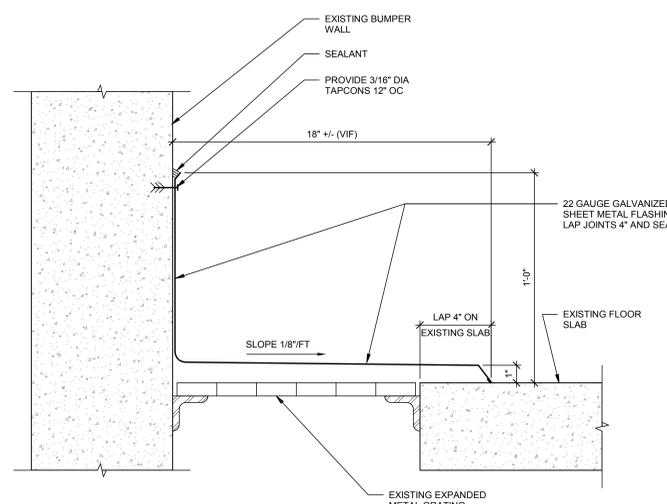
35.1



- NOTES:
1. MORTAR JOINT REPLACEMENT AT BRICK MASONRY UNIT REPLACEMENT LOCATIONS IS INCIDENTAL. NO EXTRA PAYMENT UNDER TRUCKPOINTING WORK ITEM.
 2. DO NOT DAMAGE ADJACENT BRICK BY OVERCUTTING.
 3. REPLACEMENT BRICK TO BE APPROVED BY ENGINEER AND/OR OWNER PRIOR TO START OF WORK.

MASONRY UNIT REPLACEMENT

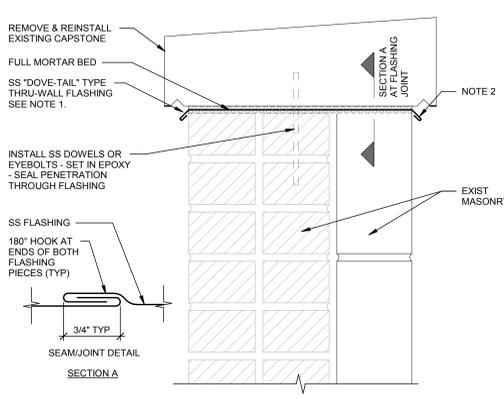
35.2



- NOTES:
1. FLASHING SECTIONS SHALL BE ASSEMBLED WITH WATERTIGHT SEAMS TO FORM AN IMPERVIOUS BARRIER THAT ALLOWS WATER TO WEEP FROM FLASHING SURFACE.
 2. BEND 1/2\"/>

METAL FLASHING

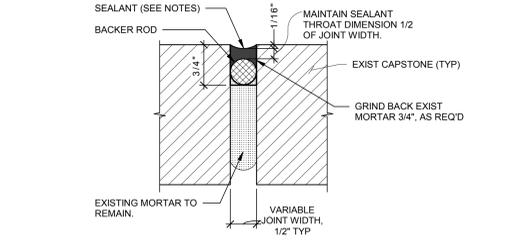
38.1



- NOTES:
1. REMOVE ALL EXISTING SEALANT AND BACKER MATERIAL (IF PRESENT).
 2. USE NON-FLOWABLE SEALANT MATERIAL FOR VERTICAL SURFACES.
 3. PRIME JOINT AS REQUIRED BY SEALANT MANUFACTURER.
 4. INSTALL SEALANT EVENLY AND TOOL JOINT CONCAVE 1/16\"/>

CAPSTONE FLASHING

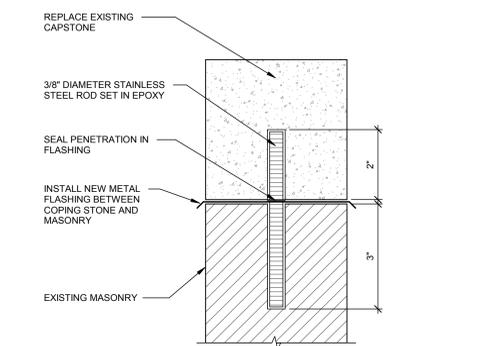
73.6



- NOTES:
1. REMOVE ALL EXISTING SEALANT AND BACKER MATERIAL (IF PRESENT).
 2. USE NON-FLOWABLE SEALANT MATERIAL FOR VERTICAL SURFACES.
 3. PRIME JOINT AS REQUIRED BY SEALANT MANUFACTURER.
 4. INSTALL SEALANT EVENLY AND TOOL JOINT CONCAVE 1/16\"/>

CAPSTONE JOINT REPAIR

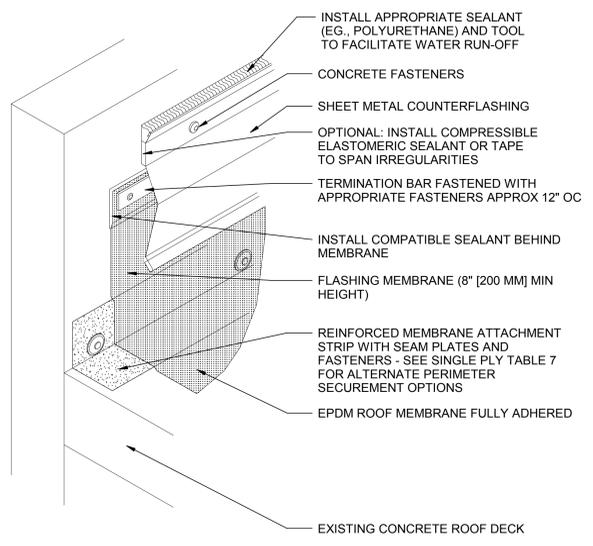
74.7



- NOTES:
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. ANY SIGNIFICANT DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
 2. IF THE AS-BUILT CONDITIONS VARY FROM THE DETAILS PROVIDED, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH THE WORK.
 3. CONTRACTOR SHALL PROTECT ALL ADJACENT SURFACES AND CLEAN ANY SURFACES SOILED BY CONSTRUCTION OPERATIONS.
 4. CONTRACTOR SHALL COORDINATE SCHEDULE AND ACCESS WITH OWNER.

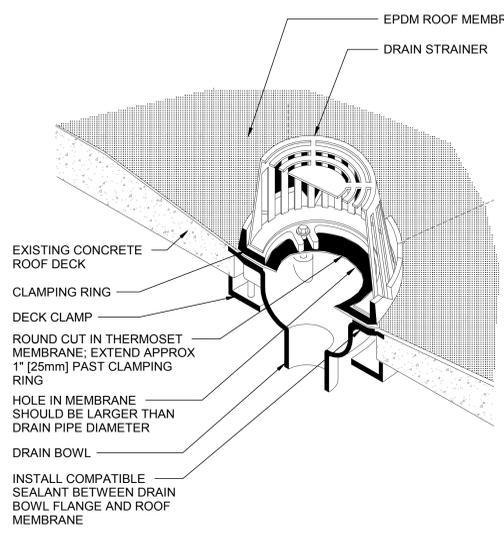
CAPSTONE REPAIR

74.8



REMOVE AND REPLACE ROOFING SYSTEM

96.4



REMOVE AND REPLACE ROOFING SYSTEM

96.4.1

VILLAGE OF OAK PARK AVENUE AND HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2018

OAK PARK, ILLINOIS

MARK	DATE	DESCRIPTION
1	05/18/2018	RELEASED FOR BIDS
ISSUE:		
PROJECT NO:	31-8130.30	
DRAWN BY:	Author	
CHECKED BY:	Checker	

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SHEET TITLE: REPAIR DETAILS