

VILLAGE OF OAK PARK HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2019

OAK PARK, ILLINOIS

PROJECT NUMBER: 31-8130.40



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NO:	SHEET NAME:
R-000	COVER SHEET
R-001	GENERAL NOTES, LEGEND & WORK ITEM SCHEDULE

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

PARKING
STRUCTURE
LOCATION



SITE LOCATION MAP

ISSUED FOR BID
JUNE 6, 2019

GENERAL RESTORATION NOTES

- A. CONSTRUCTION
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE OF ILLINOIS AND CITY OF OAK PARK CODES AND ORDINANCES, INCLUDING FIRE CODES.
 - ALL MATERIAL PROPERTIES SHALL BE AS NOTED IN SPECIFICATIONS.
 - PRIOR TO FABRICATION OF ANY MATERIAL OR PLACEMENT OF CONCRETE, FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AS SHOWN ON DRAWINGS. REPORT ALL DISCREPANCIES IN THE FIELD TO ENGINEER IMMEDIATELY.
 - DO NOT SCALE DRAWINGS
- B. CONSTRUCTION DOCUMENTS
- CONSTRUCTION DOCUMENTS ENTITLED "VILLAGE OF OAK PARK HOLLEY COURT PARKING STRUCTURE MAINTENANCE REPAIRS 2019" INCLUDES THESE DRAWINGS AND SEPARATELY BOUND SPECIFICATIONS. FOR PURPOSE OF PERFORMING THE WORK, DRAWINGS AND SPECIFICATIONS SHALL BE A SINGLE UNIT.
 - DIMENSIONS SHOWN ON PLANS ARE BASED ON ORIGINAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL CONDITIONS FOR THE PURPOSES OF PREPARING THE BID IN PERFORMING THE WORK.
 - REFERRED TO SPECIFICATION SECTION 020010 FOR SCOPE, DESCRIPTION, AND REQUIREMENTS OF THE WORK.
- A. DETAILS AND SYMBOLS
- ALL CONCRETE REPAIR DETAILS ARE SHOWN ON DRAWING SERIES R-501 - R-502.
 - DETAILS LABELED "FOR ALL CLARIFICATION ONLY" DO NOT REPRESENT A SEPARATE PRICE ITEM. THESE DETAILS SUPPLEMENT THE BASIC DETAIL TO PROVIDE ADDITIONAL INFORMATION IN SOME CASES. THESE DETAILS SHOW VARIATIONS OF THE TYPICAL CONDITION.
 - WHEN THE WORK ITEM BUBBLE IS NOTED (TYP), IT MEANS THE WORK ITEM OCCURS AT ALL LOCATIONS WITH THE APPLICABLE DETERIORATION OR DESIGNATION SYMBOL OCCURS ON A 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 SHOWN GROUPED TOGETHER IT MEANS ANY OR ALL OF THE DESIGNATED WORK ON AS MAY APPLICABLE.
 - COORDINATION OF WORK ITEMS IS THE CONTRACTOR'S RESPONSIBILITY.
 - WHEN WORK ITEM DETAILS ARE LISTED AS INCIDENTAL, THIS WORK IS INCLUDED IN THE PAYMENT OF THE OTHER WORK ITEM AND DOES NOT HAVE A SEPARATE PRICE.
 - WHEN THE DETAIL IS LABELED FOR REFERENCE ONLY IT PROVIDES INFORMATION ABOUT INCIDENTAL WORK AND DOES NOT HAVE A PAY UNIT.
 - CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL, EXTENT AND LOCATIONS OF REPAIR AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. WORK ITEMS ARE SHOWN ONLY TO REPRESENT THE TYPES OF DETERIORATION.
 - SEE WORK ITEM SPECIFICATION FOR INFORMATION REGARDING DETAILS.

B. CONCRETE PROTECTION FOR REINFORCEMENT

- THE FOLLOWING APPLIES FOR FULL SECTION CONCRETE REPLACEMENT OR PARTIAL DEPTH REPAIRS AS SHOWN ON THE DRAWINGS.
- THE MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE PER ACI 318-08, SECTION 7.
- MINIMUM COVER FOR REINFORCING IN NON-PRESTRESSED CONCRETE AND NON-POST TENSION MEMBERS:

	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 STARTS AT SIDES AND BOTTOM UP BEING	1 1/2
e. BEAM STARTS AT TOP OF BEING	2 1/2
f. COLUMN TIES	1 1/2
"OR 3X BAR DIAMETER, WHICHEVER IS GREATER."	

A. EPOXY COATING FOR REINFORCEMENT AND ANCHORS.

- EPOXY COAT ALL REINFORCEMENT, EXCEPT WELDED WIRE REINFORCEMENT, AND CAST IN PLACE CONCRETE
- B. SHORING AND BRACING
- THE SCOPE OF THIS PROJECT INVOLVES A SELECTIVE DEMOLITION AND REPAIR OF STRUCTURAL BUILDING ELEMENTS THAT WILL REQUIRE TEMPORARY SHORING OF EXISTING AND NEW CONSTRUCTION TO REMAIN. CONTRACTOR SHALL GENERATE A CONSTRUCTION SHORING PROGRAM AND SUBMIT TO ENGINEER FOR RECORD TWO (2) WEEKS PRIOR TO THE COMMENCEMENT OF A WORK.
 - CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SHEETING, ETC. REQUIRED FOR SAFETY AND PROPER EXECUTION OF THE WORK.
 - CONTRACTOR IS SOLELY RESPONSIBLE TO PREPARE SHOP DRAWINGS FOR BRACING ENSURING MEMBERS DESIGNED AND STAMPED/SEALED BY A REGISTERED PROFESSIONAL ENGINEER (REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS) AND SUBMIT THEM TO THE ENGINEER FOR RECORD.
 - THE CONTRACTOR SHALL PROVIDE STAMPED/SIGNED CALCULATIONS, PLANS AND DETAILS FOR THE TEMPORARY SUPPORT OF NEW AND EXISTING CONSTRUCTION TO REMAIN PREPARED BY AN ENGINEER LICENSED TO PRACTICE IN THE STATE OF ???.

A. 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 ALL NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SERVICES TO ALL AREAS OF THE BUILDING OR OTHER AREAS (NOT IN CONTRACT) AFFECTED BY WORK. THE CONTRACTOR SHALL SUBMIT THE METHODS AND SCHEDULE TEMPORARY CONNECTIONS FOR THE OWNER'S APPROVAL PRIOR TO COMMENCEMENT.

A. CONSTRUCTION PHASING, SEQUENCING AND TRAFFIC MAINTENANCE

- WORK SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE OR ALL IDENTIFIED PROJECT REPRESENTATIVES.
- OWNER WILL CONTINUE TO USE STRUCTURE DURING RESTORATION. CONTRACTOR MUST PHASE AND ARRANGE WORK SO AS TO MAINTAIN ACCESS AT ALL TIMES TO ALL AREAS THAT ARE NOT UNDER CONSTRUCTION FOR BOTH VEHICLES AND PEDESTRIANS.

A. CONCRETE REINFORCEMENT REQUIREMENTS SEE SECTION 020010 FOR SPECIFIC USES

- CAST IN PLACE CONVENTIONAL CONCRETE
 - COMPRESSIVE STRENGTH 5000 PSI AT 28 DAYS (2500 @ 30 DAYS)
 - WATER-CEMENT RATIO 0.40 MAX.
 - MAX SIZE AGGREGATE 1/2 INCH (SELECT LARGER AREA FOR SECTION GREATER THAN HALF-INCH)
 - SLUMP (MAXIMUM) 6" WITH SUPER PLASTICIZER (AFTER WATER REDUCER ADDITION)
 - AIR CONTENT 7% ± 1/2%
 - CEMENTITIOUS MATERIAL CONTENT 58 LB./C.Y. MIN.*
 - MAXIMUM PERMISSIBLE CEMENTITIOUS CONTENT
 - FLY ASH: 25%
 - SLAG: 50%
 - FLY ASH & SLAG: 50%
 - LATEX MODIFIED CONCRETE OVERLAY/PATCHING (03700)
 - COMPRESSIVE STRENGTH 5000 PSI @ 28 DAYS
 - WATER-CEMENT RATIO 0.40 MAX.
 - MAX. SIZE AGGREGATE 1/2 IN. (SELECT LARGER AGG. FOR SECTION GREATER THAN HALF-INCH)
 - SLUMP (MAXIMUM) 6" W/ SUPER PLASTICIZER (AFTER WATER REDUCER ADDITION)
 - AIR CONTENT 7% ± 1/2%
 - CEMENT CONTENT 658 LB./C.Y. MIN.
 - MICROSILICA CONCRETE (PATCHING/OVERLAY) (03730)
 - COMPRESSIVE STRENGTH 6000 PSI
 - WATER-CEMENT RATIO 0.40
 - MICROSILICA CONTENT 5% BY WT. OF CEMENT
 - SLUMP (MAXIMUM) 6IN.
 - CEMENTITIOUS CONTENT 658 LB./C.Y. MIN.
 - MAX. SIZE OF AGGREGATE 1/2 IN.
 - AIR CONTENT 6% 1-1/2%
 - DCI 1 GAL./C.Y.
 - FIBERS 1.5 LB./C.Y.
- NOTE: CEMENTITIOUS MATERIAL INCLUDES CEMENT, SILICA FUME, AND FLY ASH.

A. GENERAL P-T TENDON REPAIR NOTES:

- TENDONS ARE NEAR THE FLOOR SURFACE. AT SPALLS AND DELAMINATIONS, 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 CUT. CHIPPING WITH 15 LB. HAMMERS SHALL BE USED IN LIEU OF SAWCUTTING NEAR SHALLOW TENDONS.
- CAUTION IS REQUIRED WHEN PERFORMING CONCRETE REMOVALS OVER BEAMS. ELEVATIONS OF P-T TENDONS IN BEAMS VARY. COORDINATE INSPECTION OF EXPOSED BEAM TENDONS FOLLOWING CONCRETE REMOVALS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR THE FOLLOWING:
 - TRAINING AND MONITORING HIS WORK FORCE CONCERNING THE SAFETY PROCEDURES THAT SHOULD BE EMPLOYED IN THE EXECUTION OF HIS WORK.
 - MAINTAINING STABILITY OF THE STRUCTURE AND ELEMENTS WITHIN THE STRUCTURE, DURING REPAIR WORK, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF SHORING AND BRACING.
 - WHERE REQUIRED, CONTRACTOR SHALL SUBMIT SEALED DRAWINGS AND CALCULATIONS FROM QUALIFIED PROFESSIONAL ENGINEER, LEGALLY REGISTERED IN STATE OF ?????? TO PERFORM SUCH CALCULATIONS AND DRAWINGS.
- DURING THE REPAIR SEQUENCE, SHORING OF THE FLOOR SLAB MAY BE REQUIRED ALONG THE TENDON RUN. AS A MINIMUM, SHORES SHALL BE INSTALLED AT ALL SITES ALONG THE TENDON RUN PER W/ 7? WHEN THREE OR MORE ADJACENT TENDON FAILURES OCCUR. SEE DETAIL 21.0.2 FOR SHORING REQUIREMENTS AT CANTILEVERED P-T SLABS.
- 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 IN THE FLOOR SLAB ARE SHOWN. EXACT LOCATIONS SHALL BE VERIFIED IN FIELD BY CONTRACTOR PRIOR TO CONCRETE REMOVALS. EXISTING REINFORCING STEEL NOT SHOWN ON REPAIR DETAILS (UNID) 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 AGREED UPON PROCEDURES WILL BE ALLOWED UNLESS DIRECTED BY ENGINEER IN WRITING. 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. SEE DETAIL 21.0.1 SPECIFIC REQUIREMENTS. DO NOT REMOVE CONCRETE BELOW TENDONS UNLESS REQUIRED BY SPLICING REPAIRS OR TO REPLACE DAMAGED SHEATHING.
- TENDONS MAY OCCUR INDIVIDUALLY OR BUNDLED. USE CAUTION TO AVOID DAMAGE TO 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.

A. ABBREVIATIONS

- | | | |
|---------------|---|----------------------------------|
| 1. APPROX | = | Approximately |
| 2. AGG | = | Aggregate |
| 3. BM | = | Beam |
| 4. BOT | = | Bottom |
| 5. CIP | = | Cast in Place |
| 6. CJ | = | Construction Joint/Control Joint |
| 7. CLR | = | Clearance |
| 8. COL | = | Column |
| 9. CONC | = | Concrete |
| 10. DET | = | Detail |
| 11. EA | = | Each |
| 12. E.E | = | Each End |
| 13. E.S. | = | Each Side |
| 14. EMBED | = | Embedment Length |
| 15. EJ | = | Expansion Joint |
| 16. EXIST | = | Existing |
| 17. FIN | = | Finished |
| 18. FL | = | Floor |
| 19. IN | = | Inches |
| 20. INC | = | Incidental |
| 21. LF | = | Linear Foot |
| 22. LS | = | Lump Sum |
| 23. MAX | = | Maximum |
| 24. MIN | = | Minimum |
| 25. N/A | = | Not Applicable |
| 26. OC | = | On Center |
| 27. OH | = | Opposite Hand |
| 28. P/C | = | Precast |
| 29. REINF | = | Reinforcement |
| 30. REQ'D | = | Required |
| 31. SF | = | Square Foot |
| 32. SIM | = | Similar |
| 33. SOG | = | Slab on Ground |
| 34. SPEC | = | Specification |
| 35. SUPT | = | Supported |
| 36. TOP | = | Top |
| 37. TAR | = | Typical as Required |
| 38. TYP | = | Typical |
| 39. UN or UNO | = | Unless Noted Otherwise |
| 40. WI | = | Work Item |
| 41. WWR | = | Welded Wire Reinforcement |

ADD OTHER ABBREVIATIONS ABOVE AS APPROPRIATE

L. ELECTRICAL CAUTIONARY NOTES

- UNKNOWN IF SLAB CONTAINS EMBEDDED ELECTRICAL CONDUIT. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID CUTTING/DAMAGING CONDUIT. IF CONDUIT IS DAMAGE AS RESULT OF CONSTRUCTION OPERATIONS NOTIFY OWNER AND ENGINEER IMMEDIATELY. CONDUIT DAMAGE BY CONSTRUCTION OPERATION SHALL BE REPAIRED BY CONTRACTOR NO COST TO OWNER. DAMAGED CONDUIT THAT IS NOT A RESULT OF CONSTRUCTION OPERATIONS SHALL BE REPAIRED/REPLACED PER ELECTRICAL ALLOWANCE.

M. PHASING INSTRUCTION AND NOTES

- DEFINITIONS
 - 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 SO AS TO MAINTAIN ACCESS AT ALL TIMES TO AREAS THAT ARE NOT UNDER CONSTRUCTION FOR BOTH VEHICLES AND PEDESTRIANS.
 - PROTECTION ZONE: THIS IS AN AREA THAT IS TAKEN OUT OF SERVICE AND ISOLATED FROM THE GARAGES NORMAL PEDESTRIAN AND VEHICULAR CIRCULATION TO PROTECT THE PATRONS FROM HAZARDS RESULTING FROM WORK BEING PERFORMED ABOVE. WORK THAT REQUIRES PROTECTION ZONES SHALL INCLUDE SHOT BLAST/SEALER APPLICATION (WHEN JOINTS ARE OPEN), CONCRETE DEMOLITION, CONCRETE PLACEMENT, CEILING REMOVAL/SURFACE PREP, WELDING AND SEALANT REPLACEMENT.
 - WORK ZONE: THIS IS AN AREA THAT IS CAPTURED FOR THE PURPOSE OF PERFORMING PROJECT RELATED WORK ITEMS. THE AREA SHALL BE BARRICADED TO PREVENT GARAGE PATRONS/VEHICLES FROM ENTERING/PARKING WHILE CONTRACTORS ARE IN CONTROL OF THE AREA.
 - WORK PHASE AREA: THIS INCLUDES ALL AREAS AFFECTED BY A PARTICULAR PHASE INCLUDING THE WORK ZONE, PROTECTION ZONE, AND THEIR USE FOR TEMPORARY PEDESTRIAN AND VEHICLE CIRCULATION.
 - PROTECTION PARTITION/BARRICADES: THIS DESCRIBES THE BARRICADES AND PROTECTION ENCLOSURES THAT WILL BE INSTALLED AROUND THE WORK AND PROTECTION ZONES TO KEEP GARAGE PATRONS AND THEIR VEHICLES OUT OF THOSE RESPECTIVE AREAS. IN ADDITION THESE ELEMENTS MUST KEEP DUST AND OTHER CONSTRUCTION RELATED DEBRIS FROM MIGRATING IN THE OCCUPIED AREAS OF THE GARAGE.
- PHASING
 - PHASING SHALL BE AS SCHEDULED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER/OWNER.
 - GARAGE SHALL REMAIN OPERATION ALL TIMES. A MAXIMUM OF 25 PARKING STALLS MAY BE OUT OF SERVICE AT ONE TIME FOR INTERIOR WORK AND 100

- STALLS MAY BE OUT OF SERVICE AT ONE TIME FOR INTERIOR WORK AND 100 PARKING SPACES FOR EXTERIOR WHILE THE GARAGE IS OPERATING FOR CONCRETE REPAIRS AND TRAFFIC TOPPING INSTALLATION. THE ACTUAL NUMBER OF SPACES TAKEN OUT OF SERVICE AT ANY ONE TIME WILL VARY DEPENDING UPON THE TIME OF YEAR. THE NUMBER OF SPACES WILL BE COORDINATED WITH THE OWNER/GARAGE OPERATOR.
- THE CONTRACTOR SHALL PROVIDE UNOBSTRUCTED PEDESTRIAN ACCESS (PROTECTED WHEN NECESSARY) TO ALL EMERGENCY EGRESS STAIRS AT ALL TIMES. THE CONTRACTOR SHALL INSTALL AND MAINTAIN SIGNAGE THAT CLEARLY DIRECTS PATRONS TO AND FROM THESE DESTINATIONS. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN LIGHTING FOR THESE PATHS IN THE EVENT THE GARAGE LIGHTING IS BLOCKED OR REDUCED BY PROJECT RELATED WORK.
- IT SHALL BE THE OWNER OR HIS AGENT'S RESPONSIBILITY TO CLEAR WORK PHASE AREA OF VEHICLES. THE CONTRACTOR SHALL WORK IN UNISON WITH THE CLEARING OPERATION TO CAPTURE THE AREAS BY INCREMENTALLY INSTALLING BARRICADES TO PREVENT VEHICLES FROM REENTERING THE AREA AS IT IS CLEARED. IN ADDITION TEMPORARY SIGNAGE SHALL BE INSTALLED AND ADJUSTED BY THE CONTRACTOR DURING THE WORK/PROTECTION ZONE CAPTURE EFFORT. NOTE THAT NEW AREAS CANNOT BE CAPTURED PRIOR TO WORK ZONES OR PORTIONS THEREOF BEING RETURNED TO SERVICE SO THAT THE MAXIMUM NUMBER OF SPACES OUT OF SERVICE SHALL NOT BE EXCEEDED. ALLOW 24 HOURS BETWEEN THE TURNING SPACES TO SERVICE AN OCCUPYING EQUAL NUMBER OF SPACES FOR THE NEXT PHASE OF WORK.
- BARRICADES SHALL BE OF SUFFICIENT CONSTRUCTION TO PREVENT INADVERTENT ACCESS BY PATRON VEHICLES AND PEDESTRIANS. THE BARRICADES CAN BE INCORPORATED INTO THE WORK ZONE PROTECTION THAT ARE INTENDED TO PREVENT THE ESCAPE OF DUST AND OTHER DEBRIS FROM THE WORK ZONE.
- THE FOLLOWING PARAMETERS SHALL BE CONSIDERED WHEN DEVELOPING PHASING PLANS:
 - PEDESTRIAN PATH WIDTH (MINIMUM): 6'-0"
 - PEDESTRIAN PATH HEADROOM (MINIMUM): 7'-0"
 - TEMPORARY VEHICLE ONE-WAY TRAVEL (MINIMUM): 12'-0"
 - TEMPORARY VEHICLE HEAD ROOM HEIGHT: AS POSTED AT GARAGE ENTRANCE

- CONTRACTOR SHALL BE RESPONSIBLE TO LOCKOUT STAIR ACCESS INTO WORK, WORK PHASE, AND AREAS UNDER CONSTRUCTION TO PREVENT UNAUTHORIZED PATRON ACCESS. DOOR SHALL BE SEALED OFF TO PREVENT AIRBORNE DUST FROM ENTERING INTO STAIRWAYS AND ELEVATOR SHAFTS.
- MISCELLANEOUS NOTES
 - OWNER AND THE ENGINEER RESERVE THE RIGHT TO ISSUE A STOP WORK ORDER FOR SPECIFIC AREAS/WORK ITEMS IF IN THE OPINION OF EITHER ONGOING WORK DOES NOT MEET THE PHASING PARAMETERS OF THE PROJECT OR PRESENT HAZARDS TO THE PATRONS OF THE GARAGE. CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION.
 - THE PHASING CONCEPTS CONTAINED IN THESE DOCUMENTS ARE INTENDED TO INDICATE REASONABLE SCENARIOS FOR PHASING THE WORK. NOT ALL INFORMATION REQUIRED FOR CONTRACTOR PHASING SUBMITTALS ARE INCLUDED IN THESE CONCEPTS AND THEY DO NOT INCLUDE ALL CHALLENGES THAT WILL BE PRESENT IN PERFORMING THIS PROJECT IN A PHASED MANNER.
 - WORK ZONES SHALL NOT BE RETURNED TO SERVICE IF HAZARDOUS CONDITIONS ARE PRESENT.

DO NOT RETURN AREAS TO SERVICE UNLESS EXISTING STRIPING AFFECTED BY WORK HAS BEEN RESTORED OR NEW STRIPING HAS BEEN APPLIED.

GENERAL LEGEND

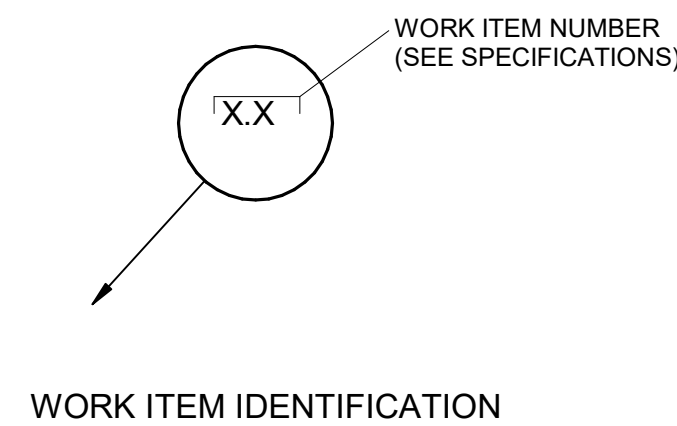
	Floor		Concrete Demo and Replace
	Overhead		Existing Concrete
	Phase I		New CMU
	Phase II		Steel
	Phase III		Sealant
			Grout

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
3.1	Floor Repair	S.F.	50	20	670	10			750
3.1.1	Floor Repair w/Traffic Topping	S.F.				200			200
5.1	Beam Repair	S.F.				10			10
6.1	Column Repair	S.F.				10			10
10.3	Expansion Joint - Elastomeric	L.F.			175	175			350
10.6	Expansion Joint - Silicone Seal	L.F.		5	5	5			15
11.4	Tee-to-Tee Joint Sealant	L.F.			110	110			220
11.7	Cove Sealant	L.F.			800	800			1,600
14.1	Epoxy Broadcast Overlay System	S.F.			750				750
15.1	Concrete Sealer	S.F.			26,800	26,800			53,600
16.1	Traffic Topping	S.F.	200	300	400	500	300		1,700
16.4	Traffic Topping - Recoat	S.F.			150	60			210
25.2	Floor Drain	EA.				1			1
25.3	Pipe and Hanger	L.F.				50			50
38.1	Metal Wall Cap	L.S.			1	1			1
45.1	Paint Traffic Markings	L.S.			1	1			1
45.4	Paint Door and Frame	EA.	1	1	2	2			6
45.6	Paint Handrails	L.S.	1	1	1	1	1		1

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



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VILLAGE OF OAK PARK
HOLLEY COURT
PARKING STRUCTURES
MAINTENANCE REPAIRS 2019

OAK PARK, ILLINOIS

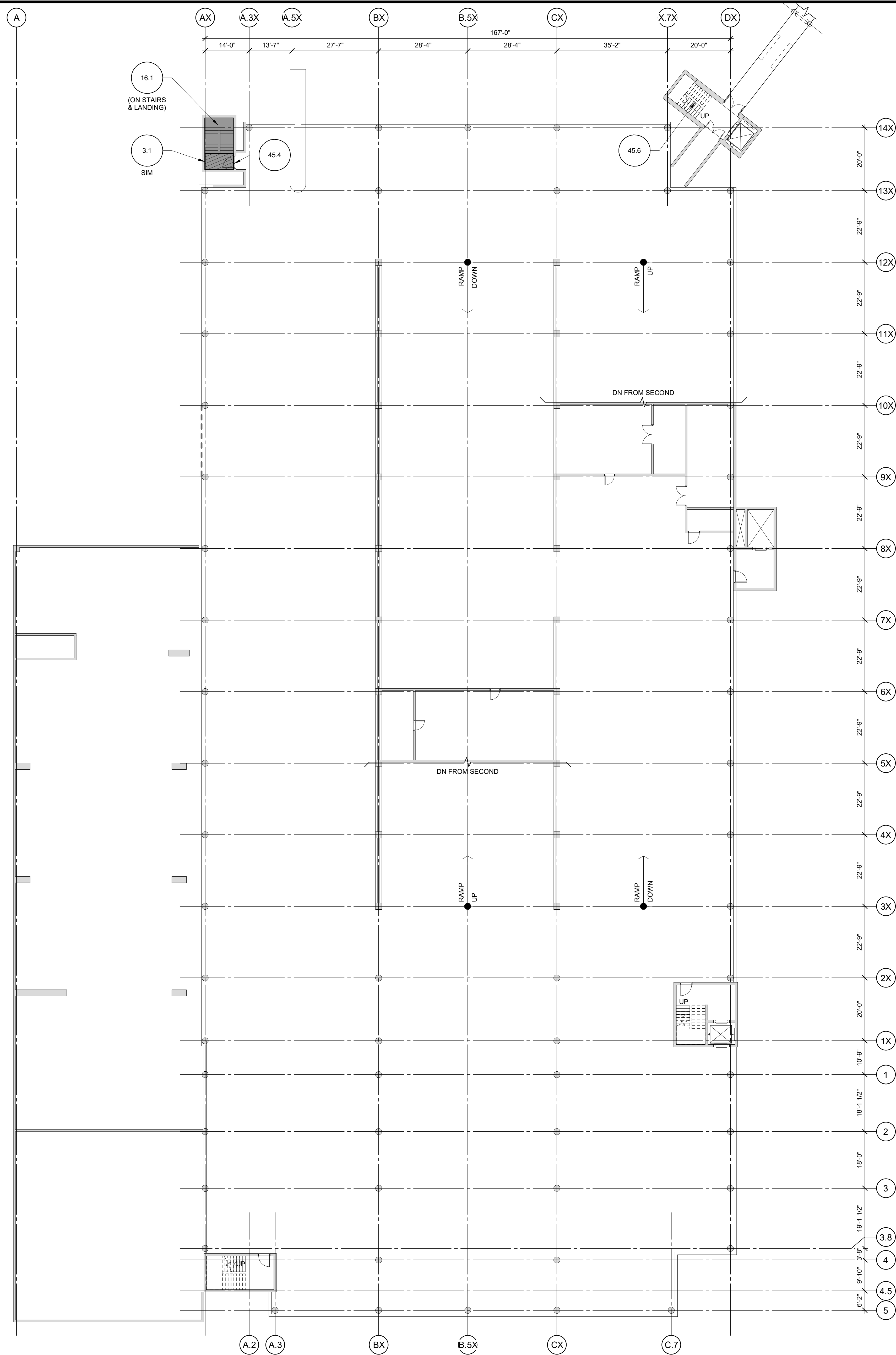
1	06-06-2019	ISSUED FOR BID
MARK	DATE	DESCRIPTION
ISSUE:		
PROJECT NO:	31-8130-40	
DRAWN BY:	JAP	
CHECKED BY:	LCS	

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SHEET TITLE:
GENERAL NOTES, LEGEND &
WORK ITEM SCHEDULE

R-001

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



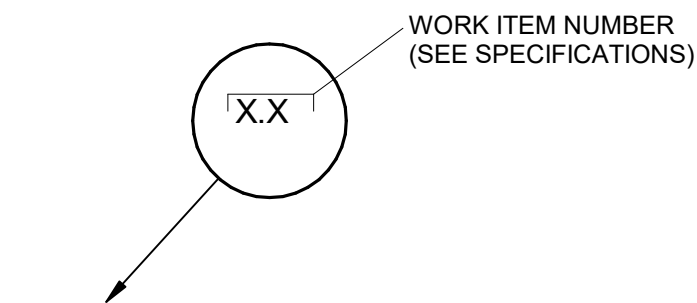
SHEET NOTES

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 DETEIORATION.
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.

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



2895 Greenspoint Parkway
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VILLAGE OF OAK PARK
HOLLEY COURT
PARKING STRUCTURES
MAINTENANCE REPAIRS 2019

OAK PARK, ILLINOIS

MARK	DATE	DESCRIPTION
1	06-06-2019	ISSUED FOR BID

ISSUE:

PROJECT NO: 31-8130.40

DRAWN BY: JAP

CHECKED BY: LCS

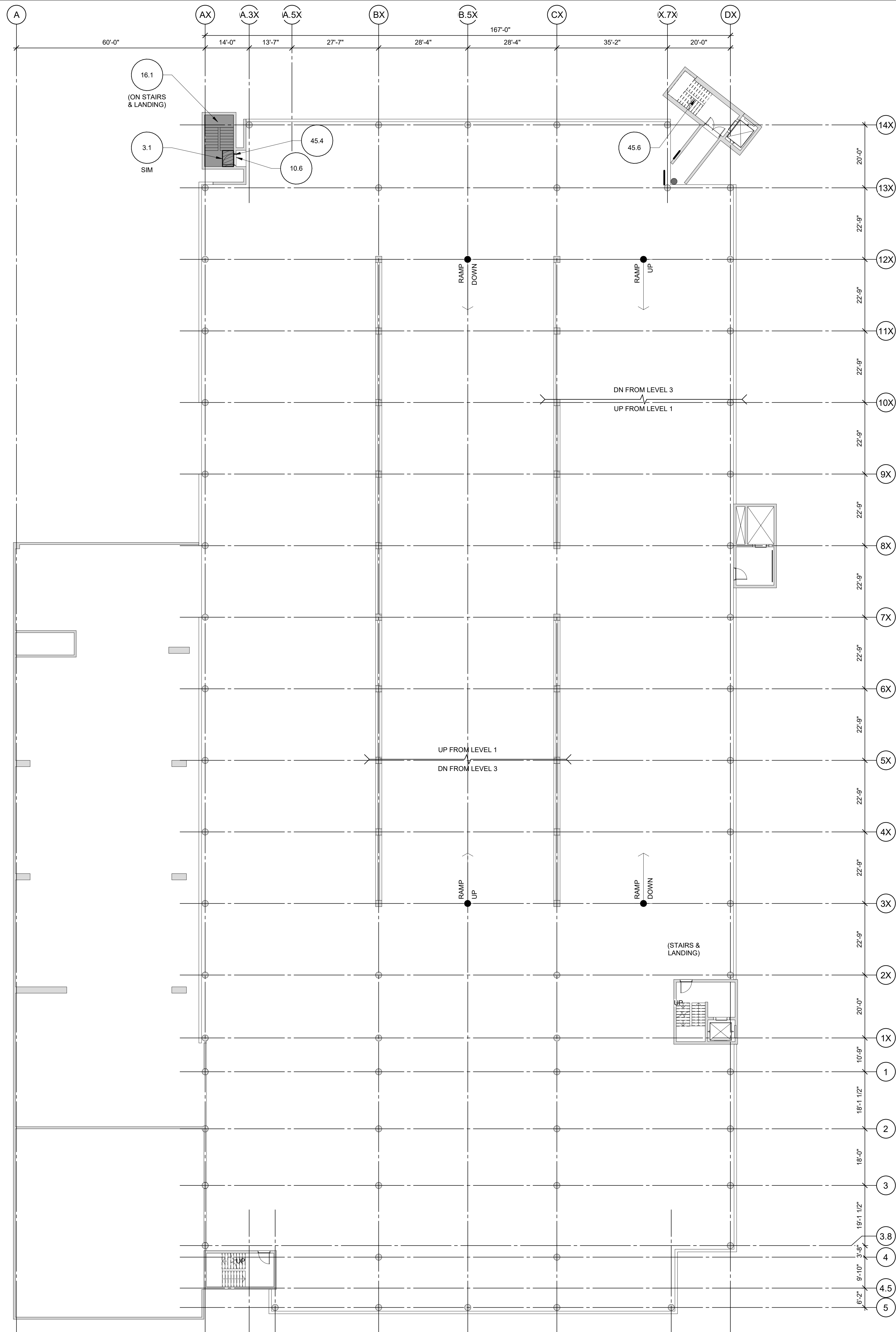
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SHEET TITLE:

GROUND LEVEL FLOOR PLAN

R-201

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1 2ND 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 DETERIORATION.
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.

LEGEND:

THE FLOOR SLAB HAS POST-TENSIONING TENDONS. THESE TENDONS ARE NEAR THE FLOOR SURFACE AT 50% U.S. HAMP TIE PLACEMENTS. 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 16LB HAMMERS SHALL BE USED IN LIEU OF SAWINDICATES OVERHEAD CONCRETE REPAIR DEMOLITION IS PROHIBITED.



INDICATES EXISTING MEMBRANE



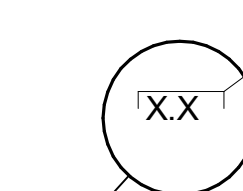
INDICATES UNSEALED CRACK
REFER TO WORK ITEM 11.1



INDICATES EXISTING SEALED CONSTRUCTION
JOINT REFER TO WORK ITEM 11.2



INDICATES EXPANSION JOINT
REFER TO WORK ITEM 10.3



WORK ITEM NUMBER
(SEE SPECIFICATIONS)

WORK ITEM IDENTIFICATION



2895 Greenspoint Parkway
Hoffman Estates, IL 60169
847.697.2640 Ph
www.walkerconsultants.com

VILLAGE OF OAK PARK HOLLEY COURT PARKING STRUCTURES MAINTENANCE REPAIRS 2019

OAK PARK, ILLINOIS

1 06-06-2019 ISSUED FOR BID

MARK DATE DESCRIPTION

ISSUE:

PROJECT NO: 31-8130-40

DRAWN BY: MJK

CHECKED BY: LCS

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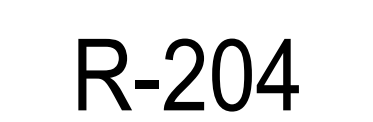
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2ND LEVEL FLOOR PLAN

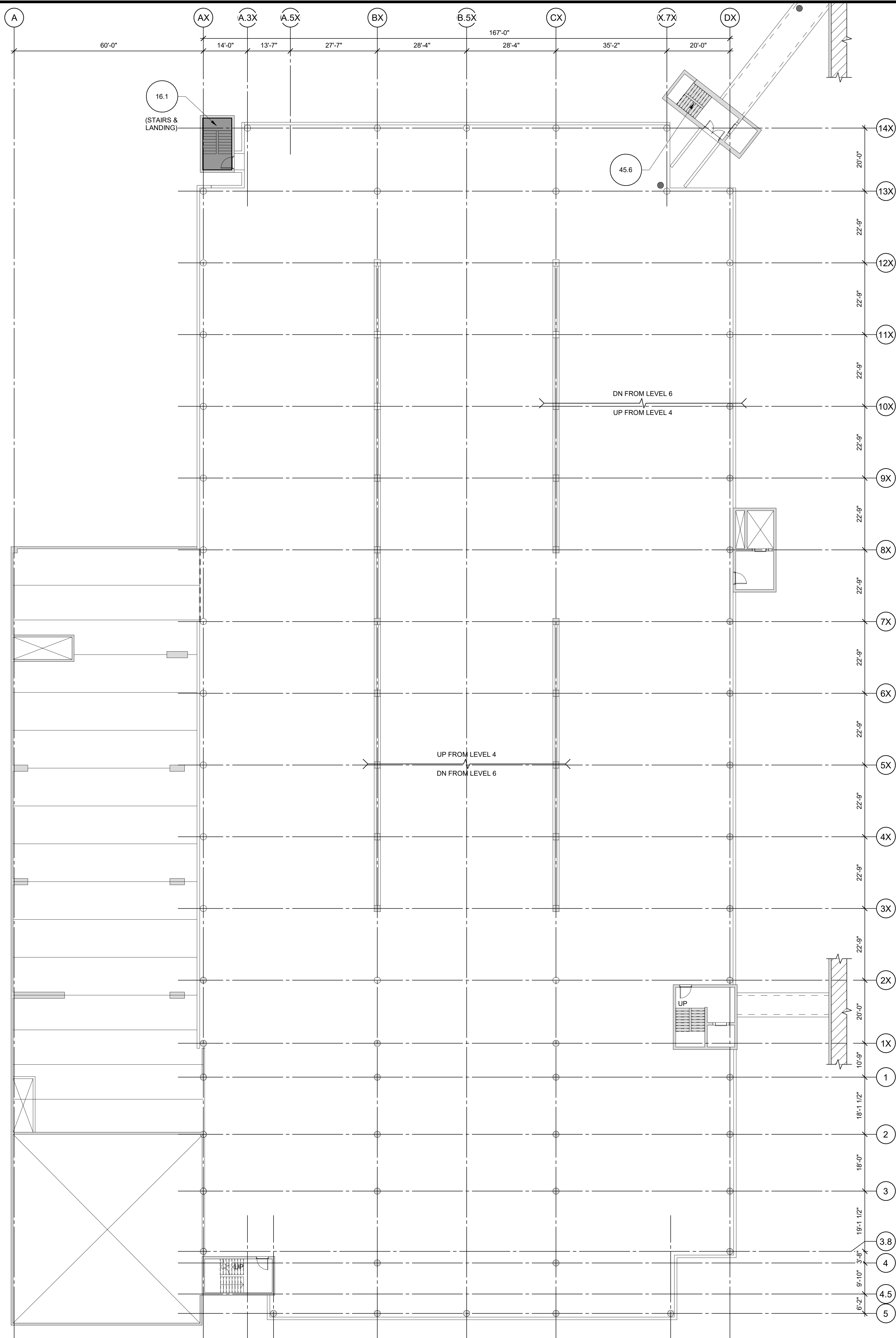
R-202



R-203



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1 5TH LEVEL FLOOR PLAN
1/16" = 1'-0"



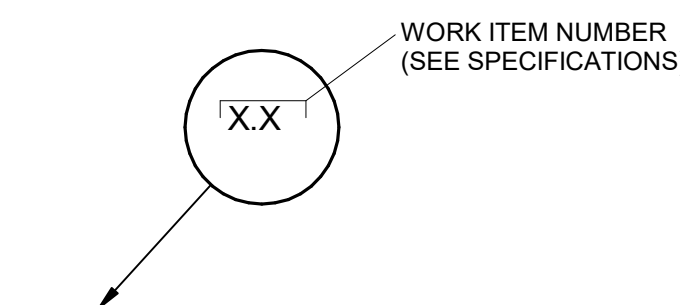
SHEET NOTES

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 DETERIORATION.
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.

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



2895 Greenspoint Parkway
Hoffman Estates, IL 60169
847.697.2640 Ph
www.walkerconsultants.com

VILLAGE OF OAK PARK
HOLLEY COURT
PARKING STRUCTURES
MAINTENANCE REPAIRS 2019

OAK PARK, ILLINOIS

MARK	DATE	ISSUED FOR BID	DESCRIPTION
1	06-06-2019	ISSUED FOR BID	

PROJECT NO: 31-8130.40

DRAWN BY: MJK

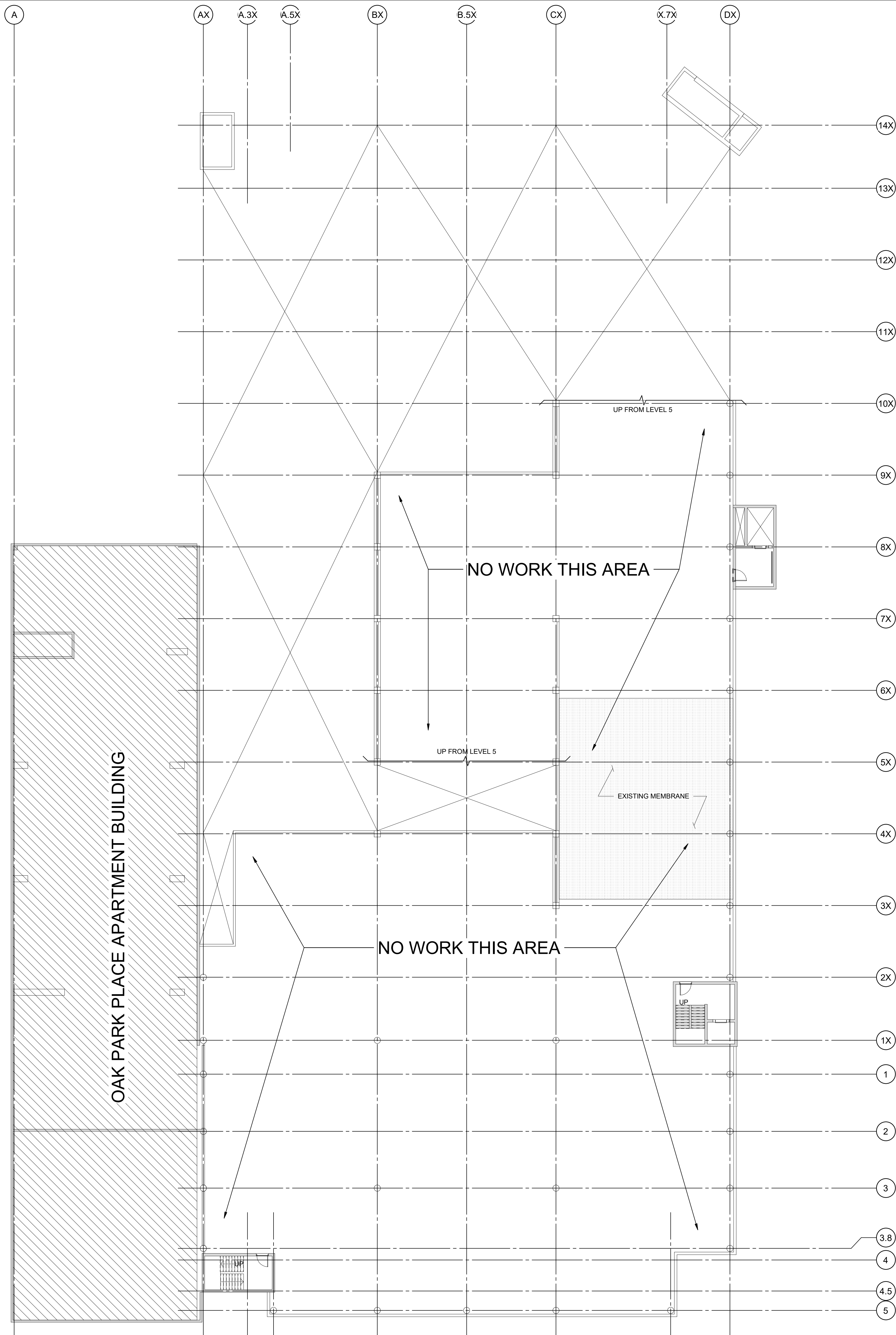
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SHEET TITLE:
5TH LEVEL FLOOR PLAN

R-205

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1 6TH LEVEL FLOOR PLAN
1/16" = 1'-0"



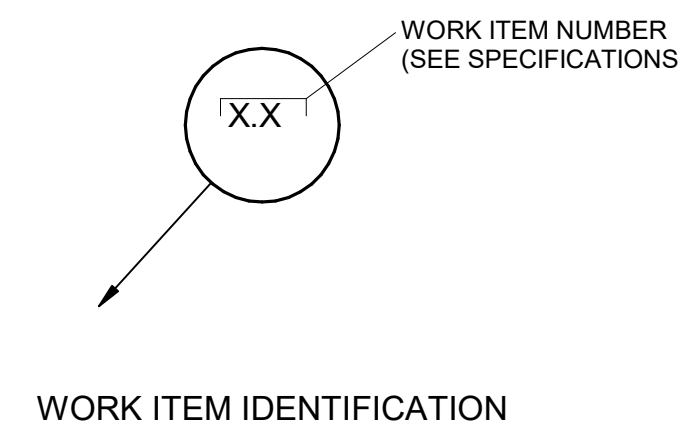
SHEET NOTES

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 DETERIORATION.
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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 ISLS HAMMERS SHALL BE USED IN LIEU OF SAW-CUTTING NEAR SHALL TENDONS. HYDRO-DEMOLITION IS PROHIBITED.

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



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VILLAGE OF OAK PARK
HOLLEY COURT
PARKING STRUCTURES
MAINTENANCE REPAIRS 2019

OAK PARK, ILLINOIS

MARK	DATE	ISSUED FOR BID	DESCRIPTION
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PROJECT NO: 31-8130.40

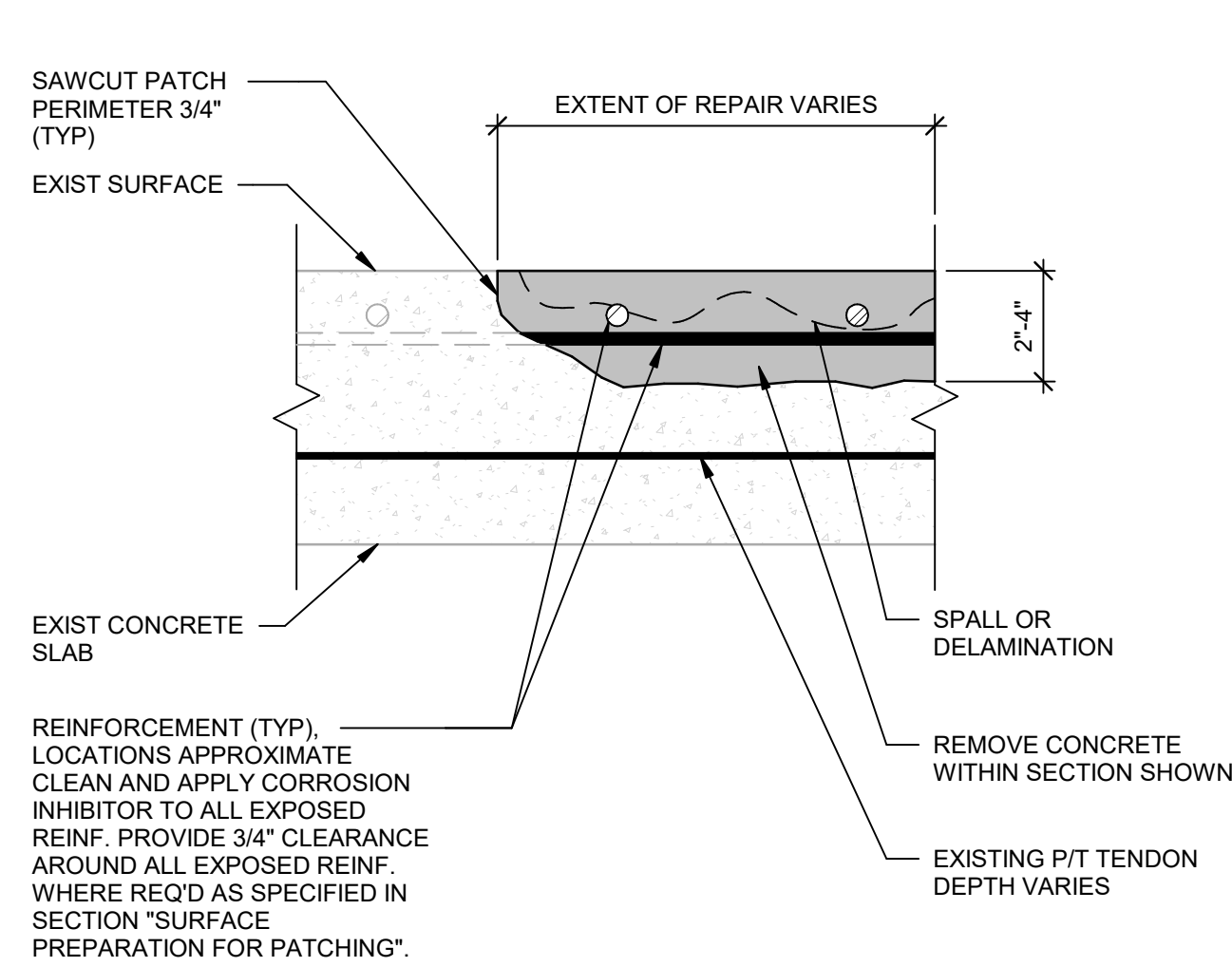
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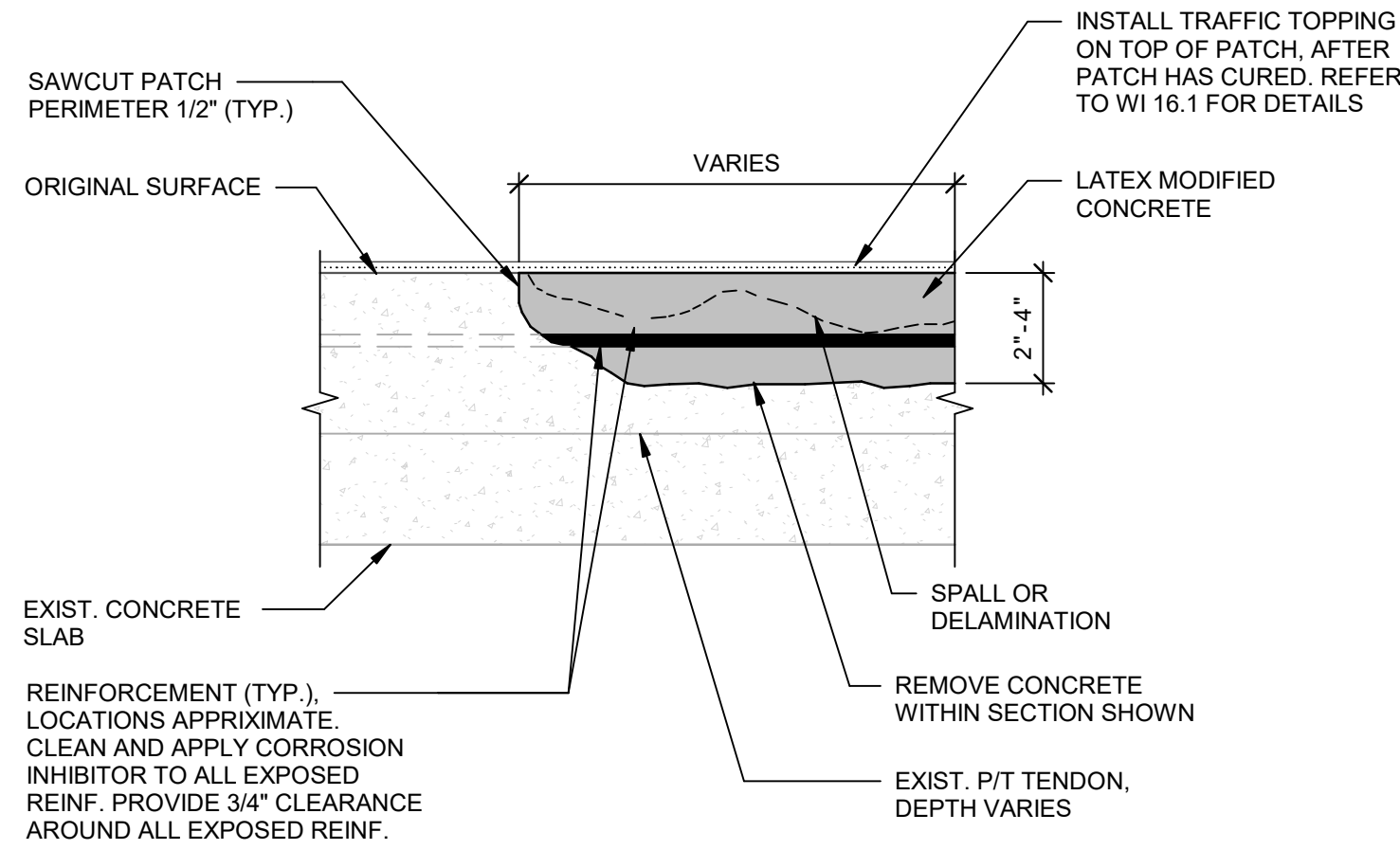
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SHEET TITLE:
6TH LEVEL FLOOR PLAN

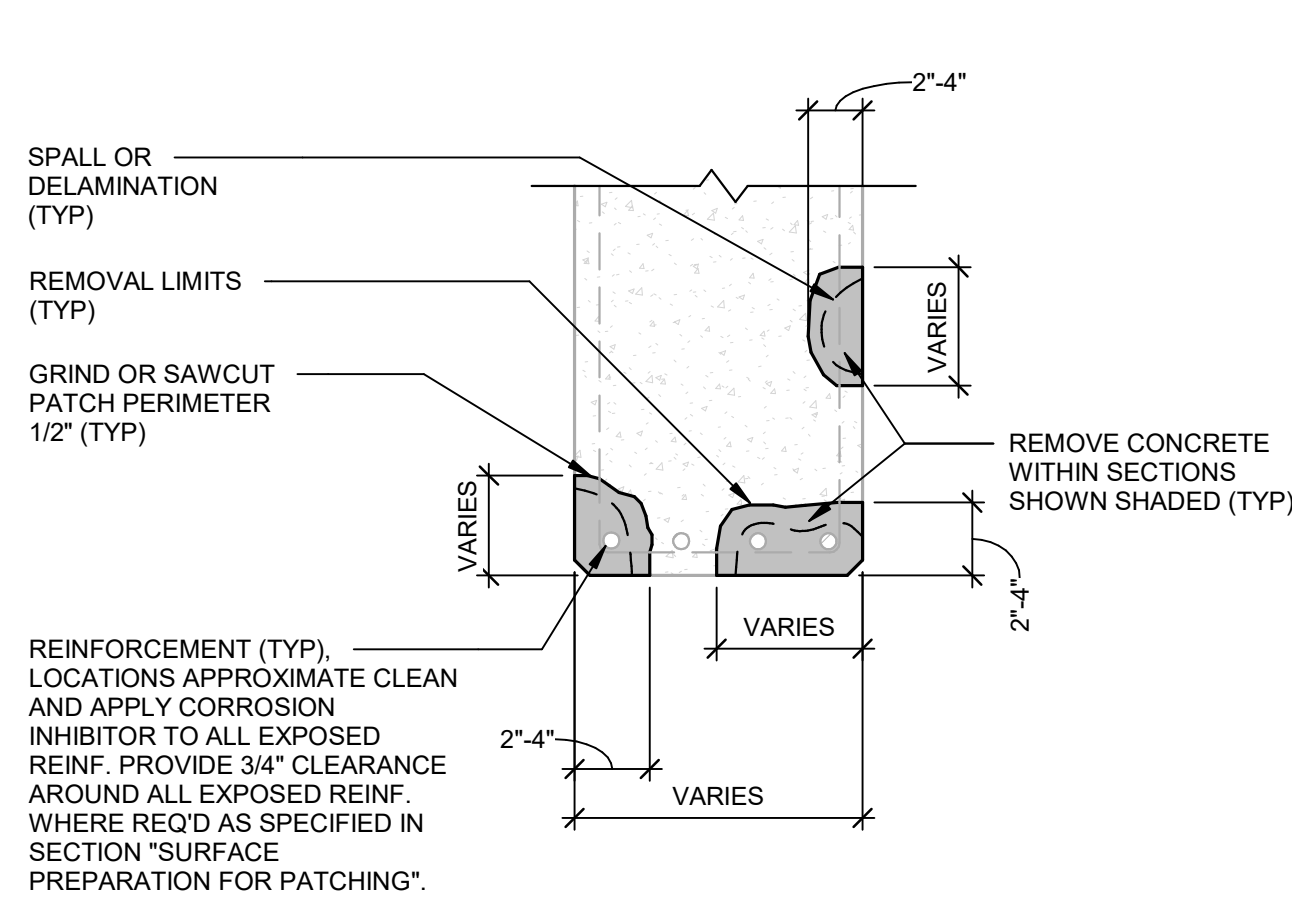
R-206



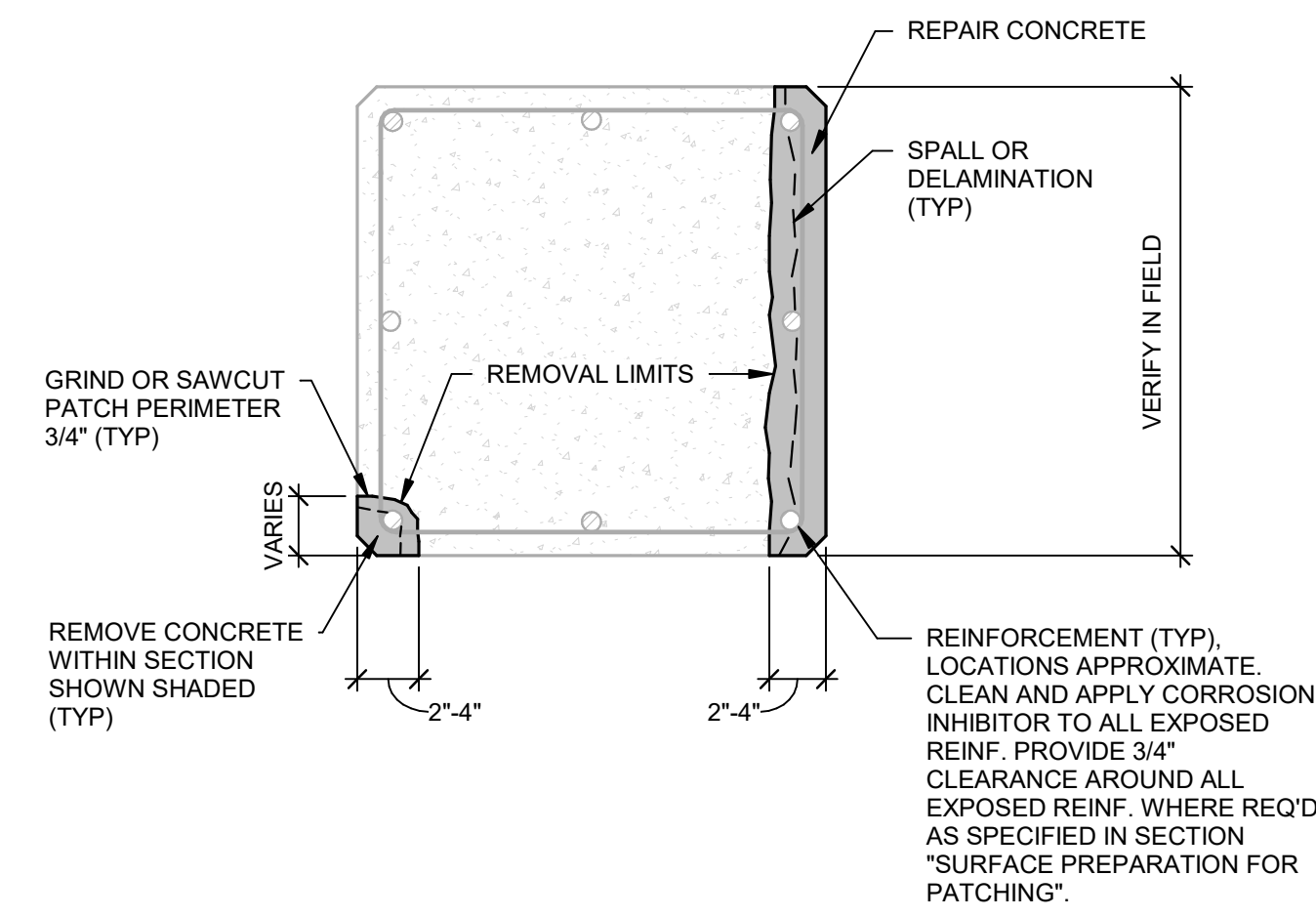
3.1 FLOOR REPAIR



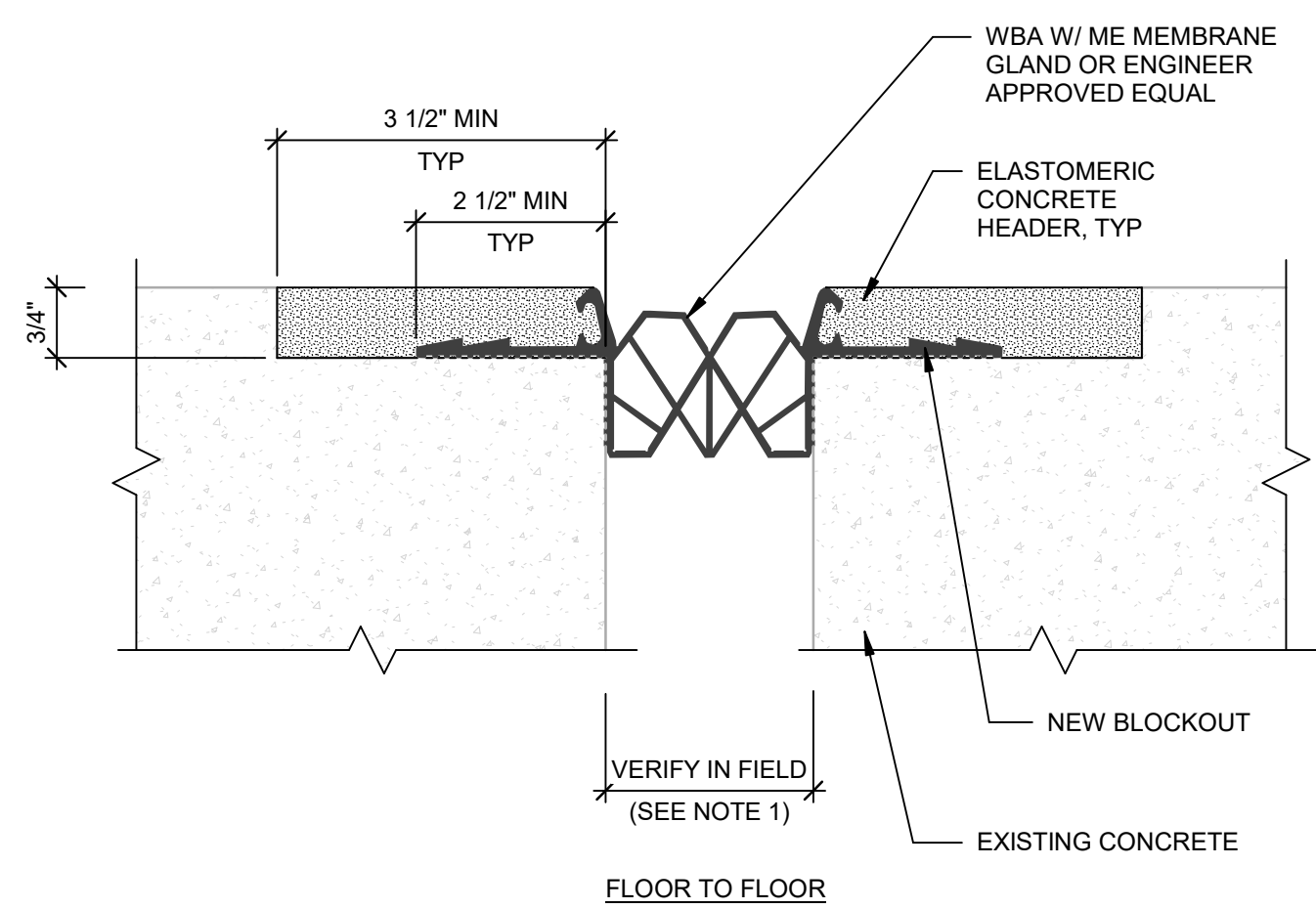
3.1.1 FLOOR REPAIR-W/ TRAFFIC TOPPING



5.1 BEAM REPAIR

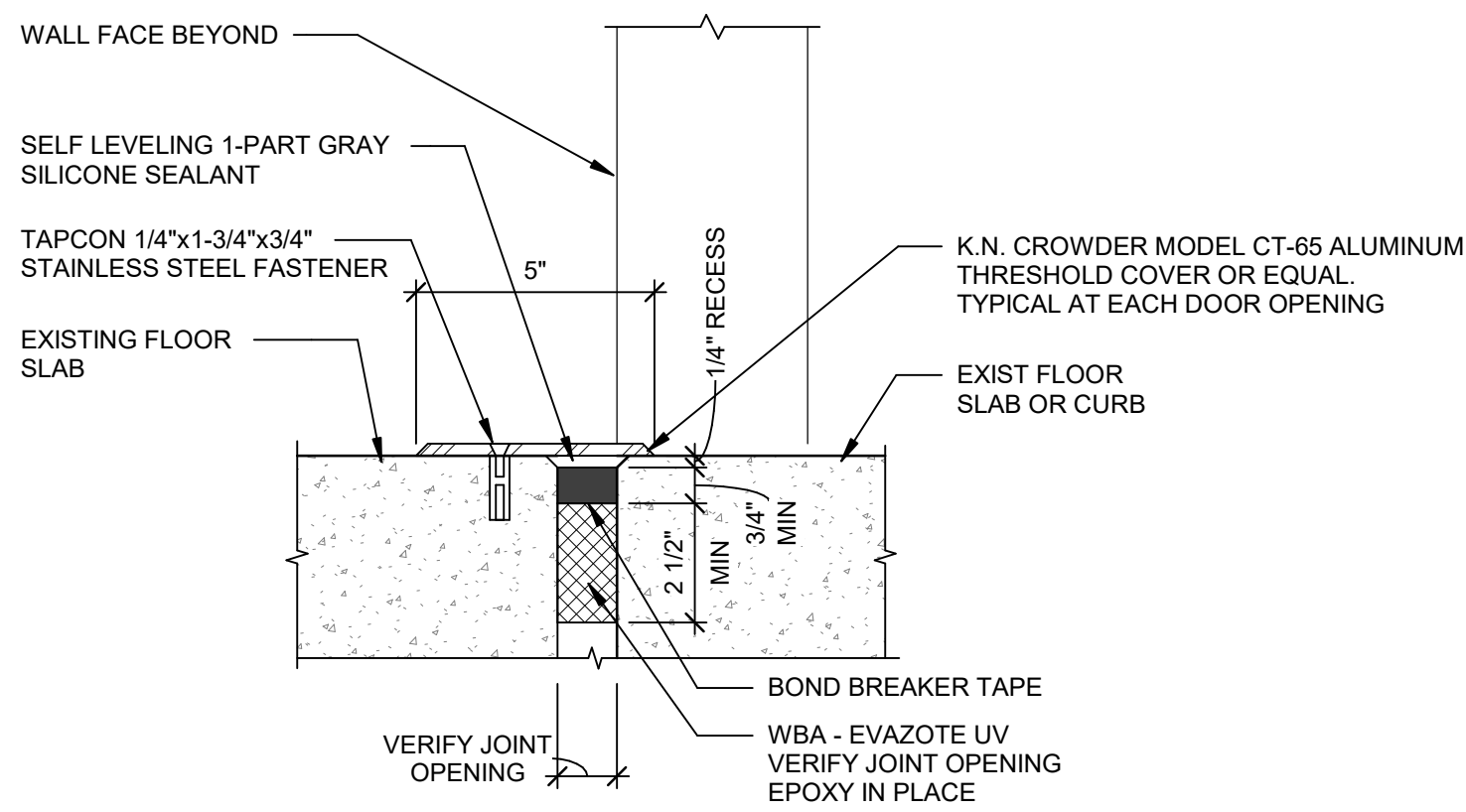


6.1 COLUMN REPAIR

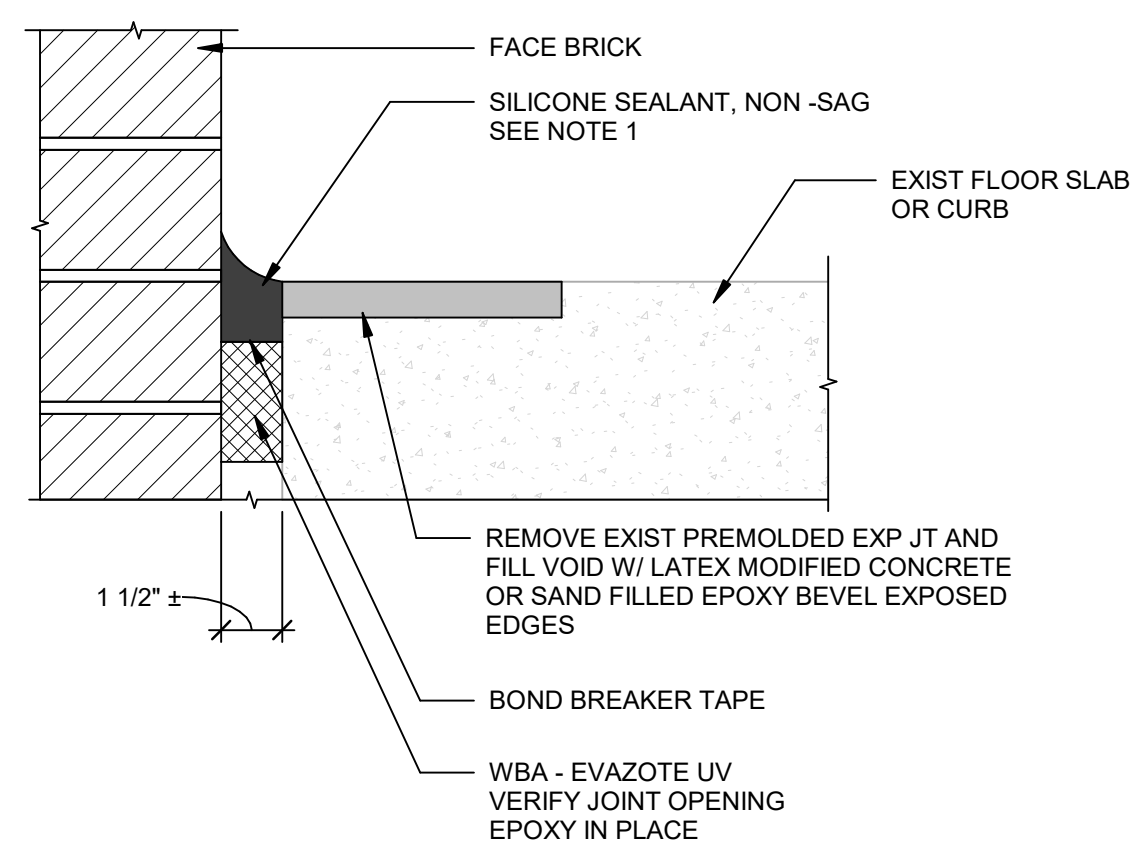


NOTE:
1. CONTRACTOR SHALL, WITH MANUFACTURER, VERIFY FIELD INSTALLATION WIDTH BASED ON TEMPERATURE CONDITIONS.
2. PROVIDE SHOP DRAWINGS SHOWING JOINT INTERSECTIONS AND WALL TERMINATIONS.

10.3 EXPANSION JOINT-ELASTOMERIC

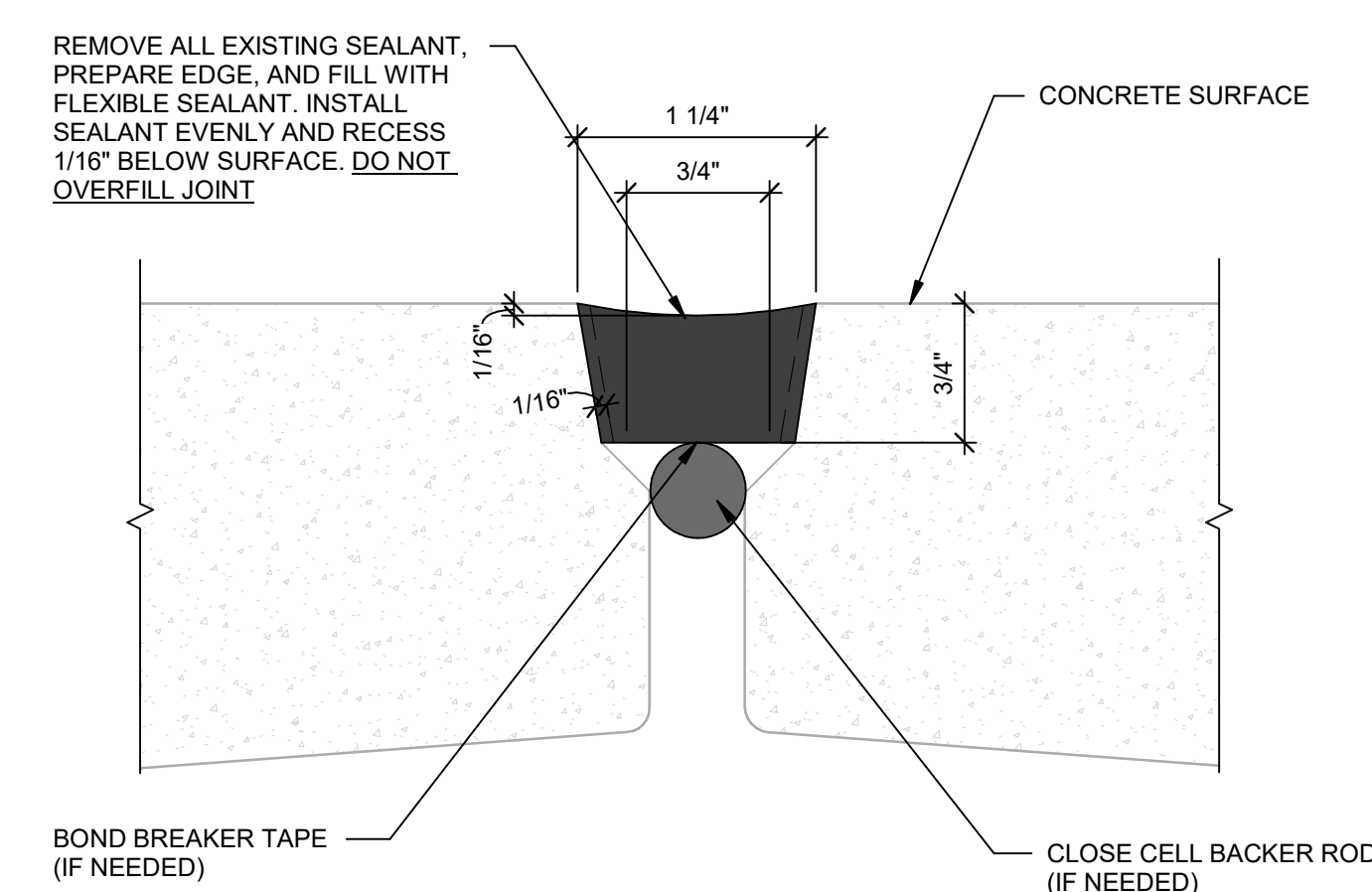


10.6 EXPANSION JOINT-SILICONE SEAL



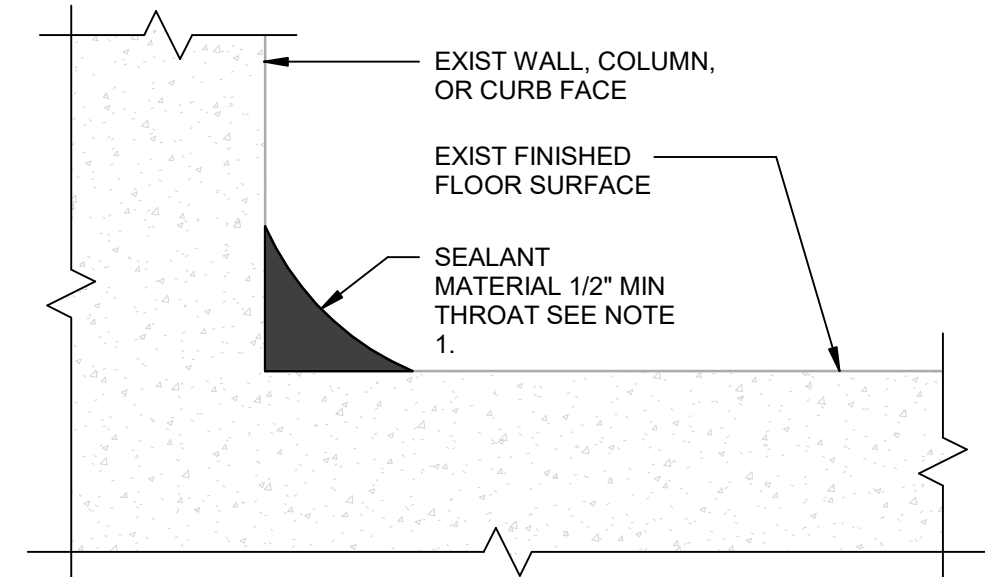
NOTE:
1. SEE DETAIL 10.6 FOR REMAINING INFORMATION.

10.6.1 EXPANSION JOINT-SILICONE SEAL



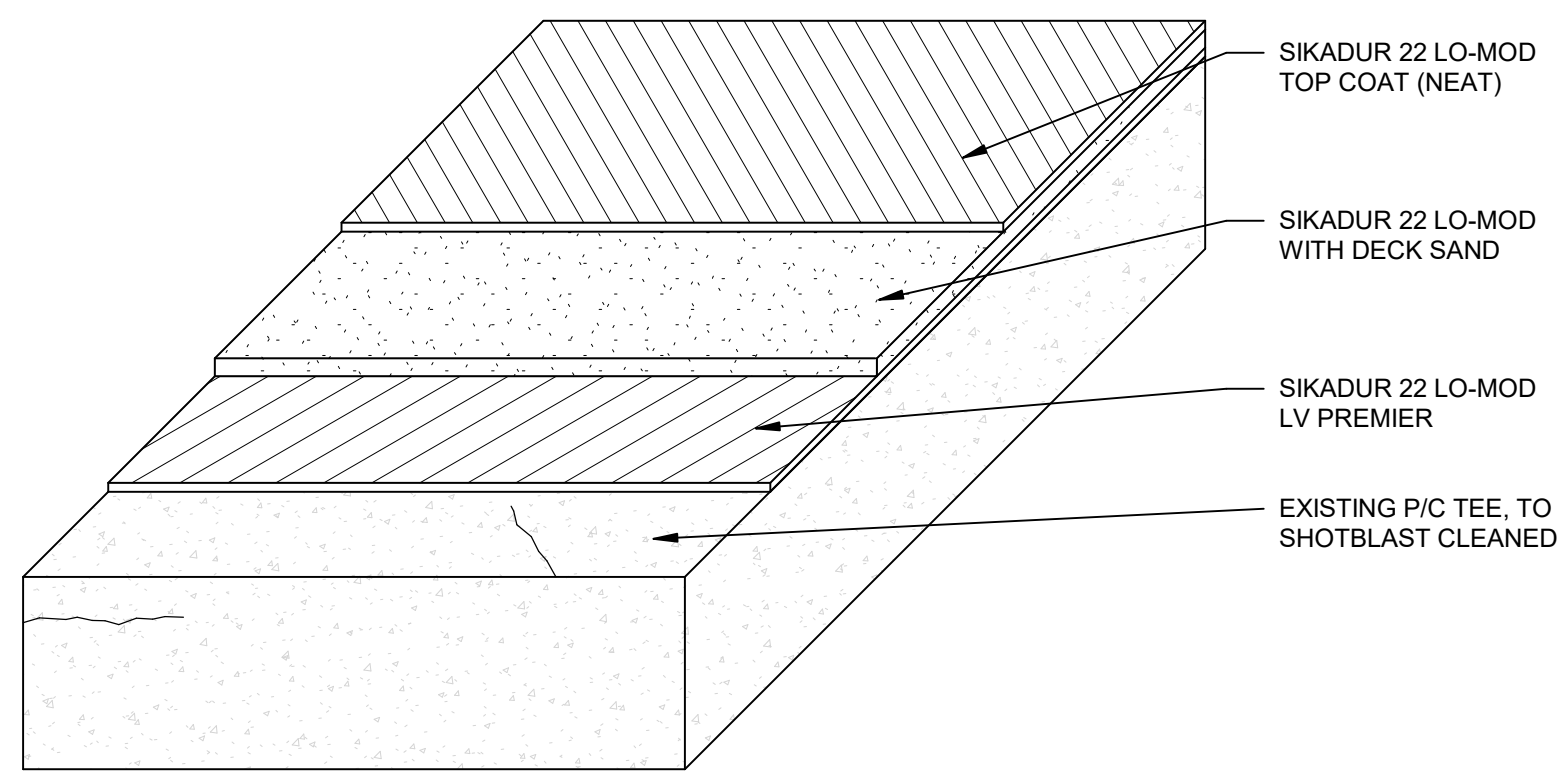
NOTE:
SANDBLAST CLEAN AND APPLY ZINC RICH PRIMER TO ALL CORRODED SHEAR CONNECTORS IN JOINT.

11.4 TEE-TO-TEE JOINT SEALANT

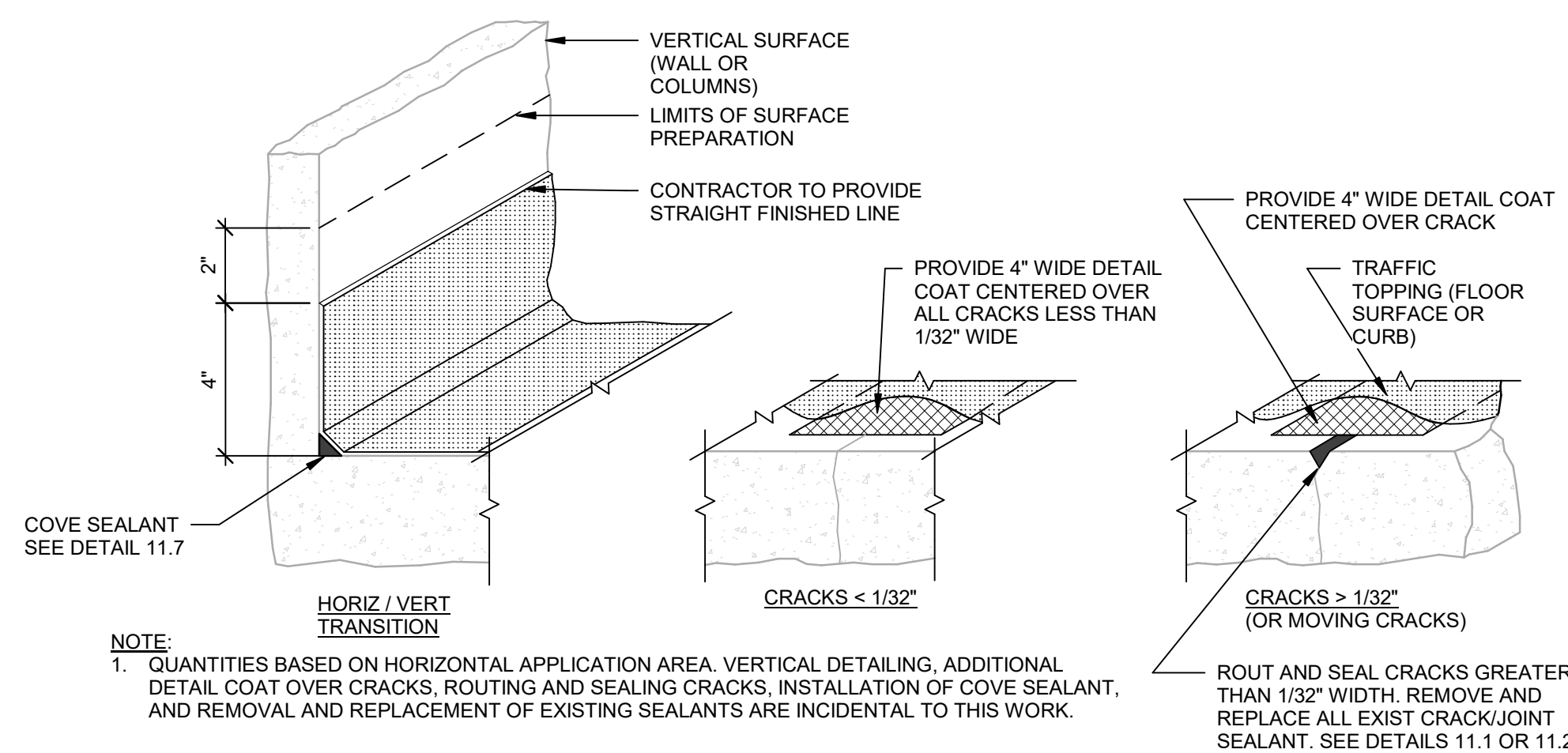


NOTE:
1. REMOVE EXISTING COVE SEALANT MATERIAL IF PRESENT. PREPARE SURFACE PER SPECIFICATIONS.

11.7 COVE SEALANT

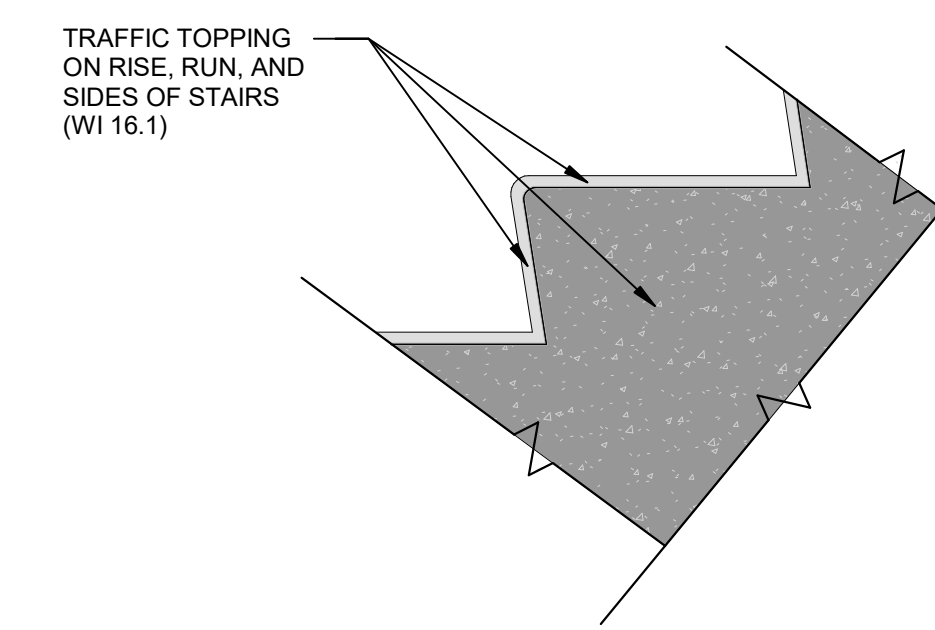


14.1 EPOXY OVERLAY



NOTE:
1. QUANTITIES BASED ON HORIZONTAL APPLICATION AREA. VERTICAL DETAILING, ADDITIONAL DETAIL COAT OVER CRACKS, ROUTING AND SEALING CRACKS, INSTALLATION OF COVE SEALANT, AND REMOVAL AND REPLACEMENT OF EXISTING SEALANTS ARE INCIDENTAL TO THIS WORK.

16.1 TRAFFIC TOPPING
16.4 TRAFFIC TOPPING - RECOAT



16.1.1 TRAFFIC TOPPING
(ON STAIRS AND LANDINGS)

VILLAGE OF OAK PARK
HOLLEY COURT
PARKING STRUCTURES
MAINTENANCE REPAIRS 2019

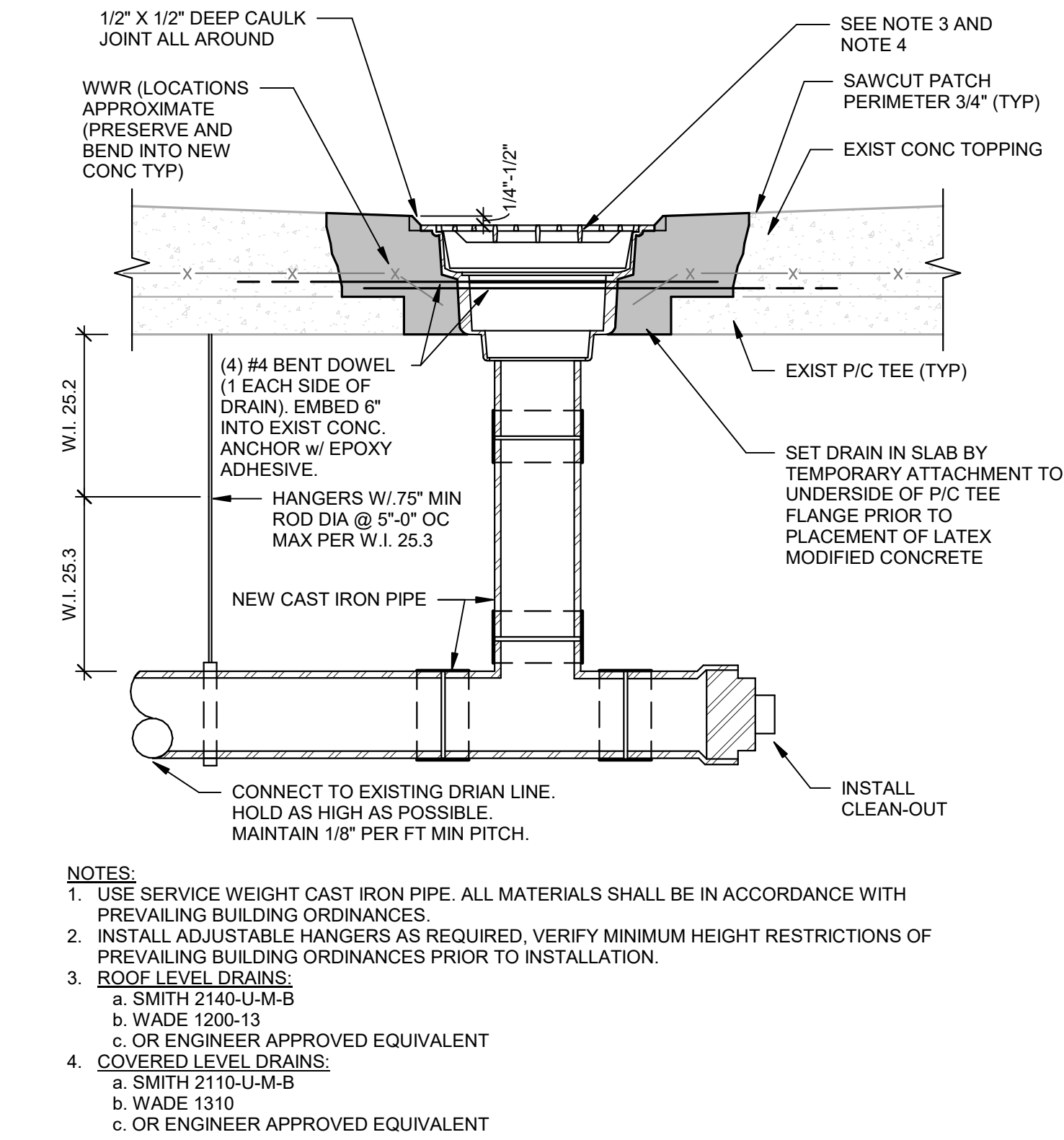
OAK PARK, ILLINOIS

MARK	DATE	DESCRIPTION
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PROJECT NO: 31-8130.40		
DRAWN BY: MJK		
CHECKED BY: LCS		

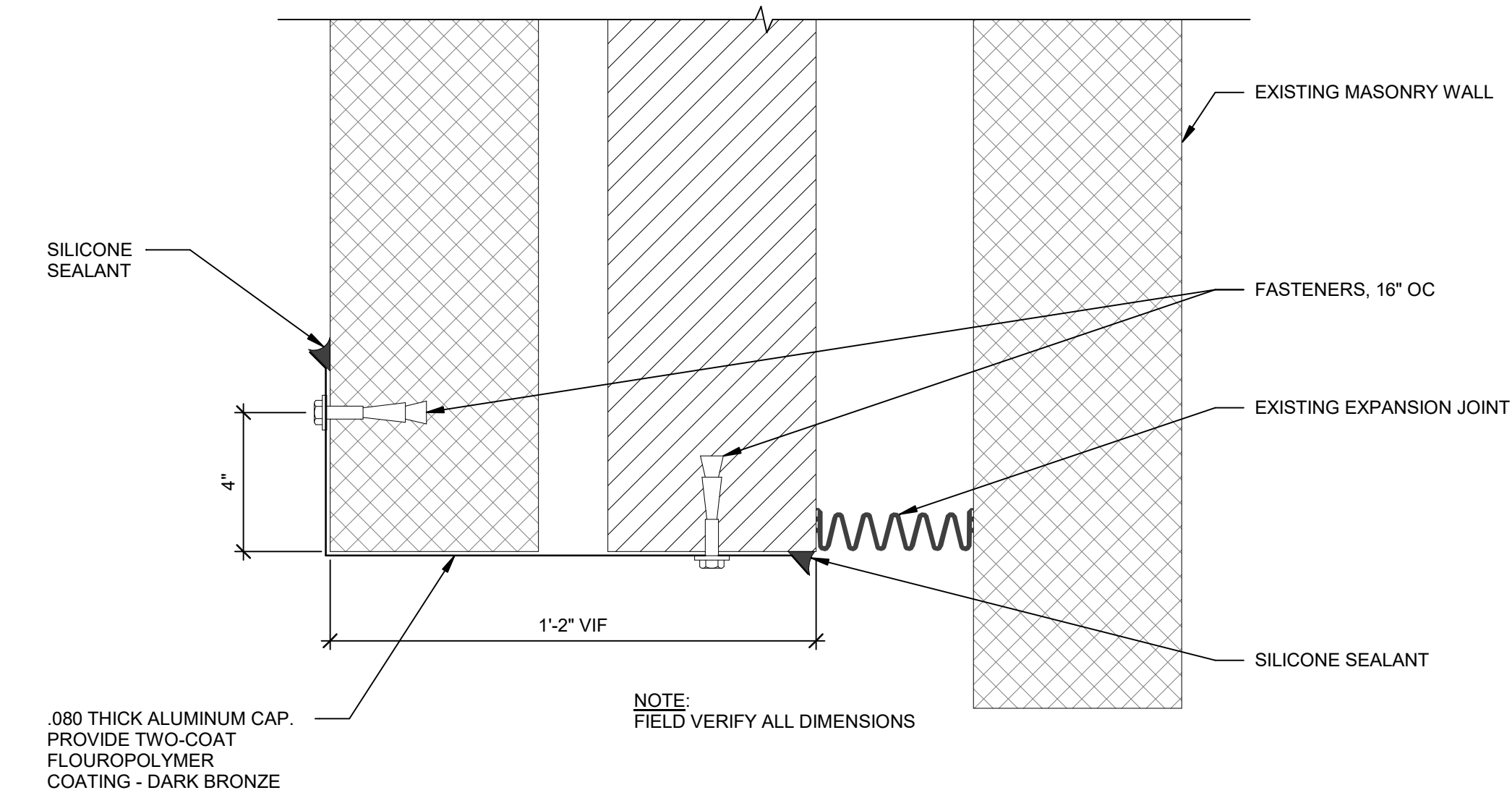
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SHEET TITLE:
REPAIR DETAILS

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25.2 25.3 FLOOR DRAIN PIPE & HANGER



38.1 METAL WALL CAP

VILLAGE OF OAK PARK
HOLLEY COURT
PARKING STRUCTURES
MAINTENANCE REPAIRS 2019

OAK PARK, ILLINOIS

1	06-06-2019	ISSUED FOR BID
MARK	DATE	DESCRIPTION
ISSUE:		
PROJECT NO: 31-8130.40		
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SHEET TITLE:
REPAIR DETAILS