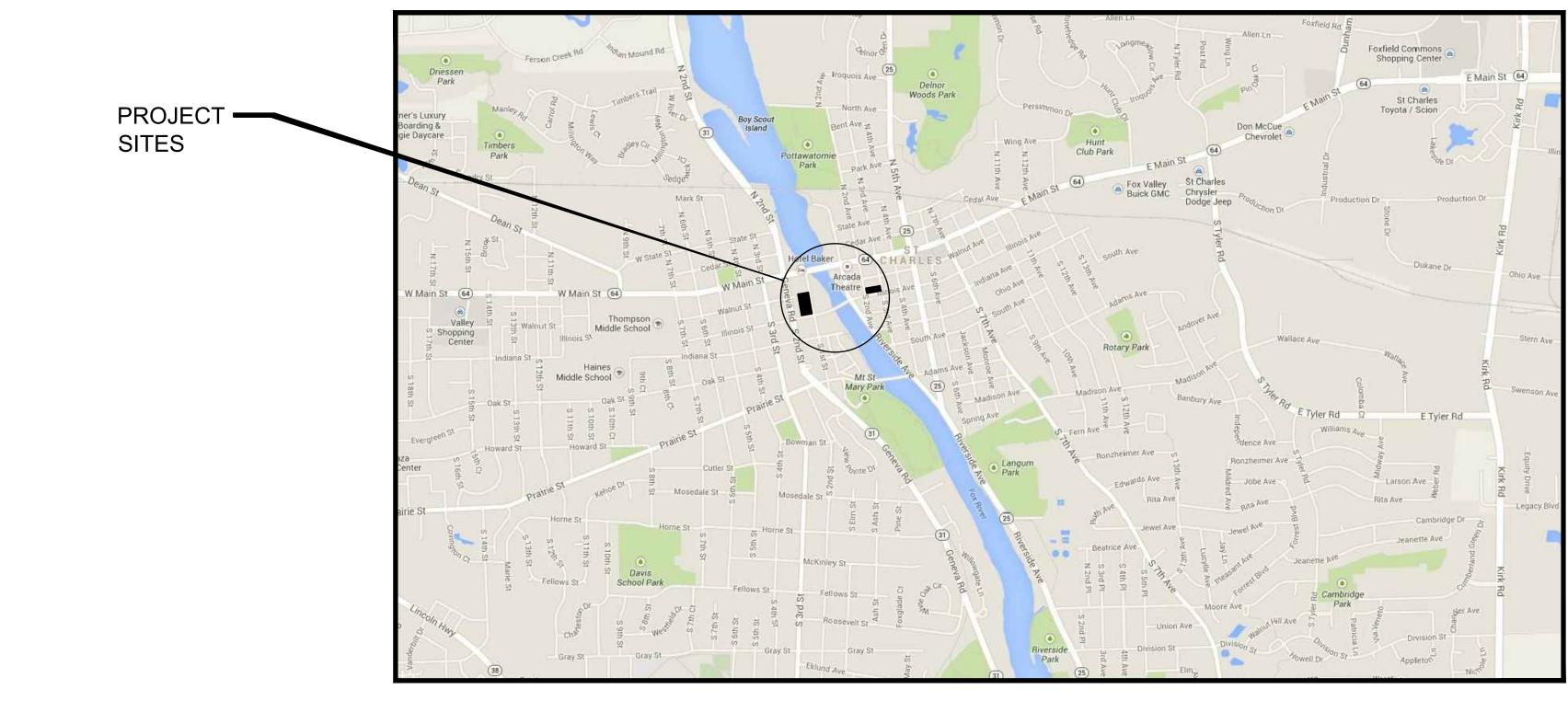
CITY OF ST.CHARLES WEST PARKING STRUCTURES MAINTENANCE REPAIRS ST.CHARLES, ILLINOIS PROJECT NO. 31-8492.00

R-000 R-001	COVER SHEET GENERAL NOTES, W.I. SCHEDULE, ABBRI
<u>WEST PAR</u> R-201 R-202 R-203 R-204 R-205	KING STRUCTURE GROUND LEVEL PLAN SECOND LEVEL PLAN THIRD LEVEL PLAN FOURTH LEVEL PLAN FIFTH LEVEL PLAN
R-501 R-502	REPAIR DETAILS REPAIR DETAILS

REV. & LEGEND





2895 Greenspoint Parkway Suite 600 Hoffman Estates, IL 60169 847.697.2640 Ph www.walkerconsultants.com



RELEASED FOR BIDS JUNE 10, 2014

A. CO		
	DNSTRUCTION 1. CONSTRUCTION SHALL BE IN ACCC OF ILLINOIS AND CITY OF ST.CHARL	ORDANCE WITH ALL APPLICABLE FEDERAL, STATE LES AND ORDINANCES, INCLUDING
	FIRE CODES. 2. ALL MATERIAL PROPERTIES SHALL 3. PRIOR TO FABRICATION OF ANY MA	BE AS NOTED IN SPECIFICATIONS. ATERIAL OR PLACEMENT OF CONCRETE, FIELD
	 VERIFY ALL EXISTING DIMENSIONS REPORT ALL DISCREPANCIES TO TO 4. DO NOT SCALE DRAWINGS. 	AND CONDITIONS SHOWN ON DRAWINGS. HE ENGINEER IMMEDIATELY.
B CO	DNSTRUCTION DOCUMENTS	
D. 00	1. CONSTRUCTION DOCUMENTS ENTI	TLED "CITY OF ST.CHARLES WEST PARKING RS" INCLUDES THESE DRAWINGS AND SEPARATELY
	SPECIFICATIONS SHALL BE A SINGL	
		RE BASED ON ORIGINAL CONSTRUCTION DOCUMENTS. O FIELD VERIFY ALL CONDITIONS FOR THE PURPOSE PARING THE WORK.
C. DE	ETAILS AND SYMBOLS	
	2. DETAILS WITH A LAST DIGIT OTHER	ON DRAWINGS SERIES R-501 & R-502. R THAN 0 AND LABELED (FOR CLARIFICATION ONLY) PRICE ITEM. THESE DETAILS SUPPLEMENT THE BASIC
		FORMATION. IN SOME CASES THESE DETAILS SHOW
		S NOTED "TYP." IT MEANS THE WORK WHERE THE APPLICABLE DETERIORATION
		S THERE MAY BE AREAS OF THIS WORK
	ANY OR ALL OF THE DESIGNATED V	
		LISTED AS INCIDENTAL, THAT WORK IS INCLUDED IN EMS AND DOES NOT HAVE A SEPARATE PRICE.
	ABOUT INCIDENTAL WORK AND DO	REFERENCE ONLY) IT PROVIDES INFORMATION ONLY ES NOT HAVE A PAY UNIT. R DETERMINING ACTUAL EXTENT AND LOCATIONS
		E WITH THE SPECIFICATIONS, WORK ITEM IS
		DR SPECIFIC INFORMATION REGARDING DETAILS.
D. CC	 THE FOLLOWING APPLIES FOR FUL SHOWN ON DRAWINGS. 	
	2. THE MINIMUM CONCRETE PROTEC	CTION FOR REINFORCEMENT SHALL BE PER
	ACI 318-08, SECTION 7.7. 3. FOR PRESTRESSED AND NON-PRE	
	PROTECTION AT TOP OF MEMBERS	
	4. MINIMUM COVER FOR REINFORCIN AND NON-POST - TENSIONED MEM	IG IN NON- PRESTRESSED CONCRETE IBERS.
		CONCRETE COVER (INCHES)
	SLAB TOP REINFORCEMENT SLAB BOTTOM REINFORCEMENT	1-1/2 3/4
	BEAM TOP REINFORCEMENT, U.N. BEAM STIRRUPS AT SIDES AND BO	3 *
	BEAM STIRRUPS AT TOP OF BEAM COLUMN TIES	
* OR 3X	BAR DIAMETER, WHICHEVER IS GREATER	र.
E. EP	OXY COATING FOR REINFORCEMENT AND 1. EPOXY COAT ALL REINFORCEMENT) ANCHORS. T, EXCEPT WELDED WIRE FABRIC IN CAST IN PLACE CONCRETE.
F. SH	ORING AND BRACING	
	1. CONTRACTOR SHALL PROVIDE ALL SAFETY AND PROPER EXECUTION (. SHORING, BRACING, SHEETING, ETC. REQUIRED FOR OF THE WORK.
-		EXISTING CONDITIONS TO DETERMINE ALL ELECTRICAL AND
		TIES AFFECTED BY THE REPAIR WORK. MAKE NECESSARY NTAIN EXISTING SERVICES TO ALL AREAS OF THE PARKING
H. CO	DNSTRUCTION PHASING, SEQUENCING AN 1. WORK SEQUENCE SHALL BE COOR	
	2. OWNER WILL CONTINUE TO USE BO	OTH PARKING STRUCTURES DURING THE REPAIRS. THE CONTRACTOR SO AS TO MAINTAIN ACCESS AT ALL TIMES TO ALL PARKING
	AREAS THAT ARE NOT UNDER CON	ISTRUCTION FOR BOTH VEHICLES AND PEDESTRIANS.
	V DESIGN REQUIREMENTS THE FOLLOWING MIX DESIGNS APP	
I. MIX		
I. MI>	0THERWISE IN PLANS AND SPECIFI 1. LATEX MODIFIED CONCRETE	
I. MI)	OTHERWISE IN PLANS AND SPECIFI	4500 PSI @ 28 DAYS (2500 @ 3 DAYS) 0.25 TO 0.40
I. MIX	0THERWISE IN PLANS AND SPECIFI 1. LATEX MODIFIED CONCRETE COMPRESSIVE STRENGTH	

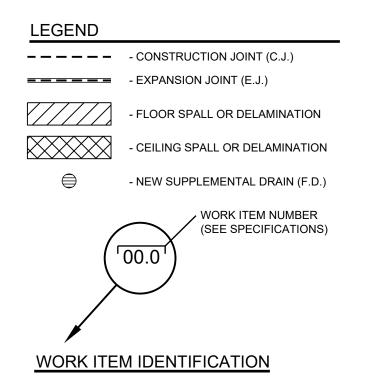
WORK ITEM SCHEDULE

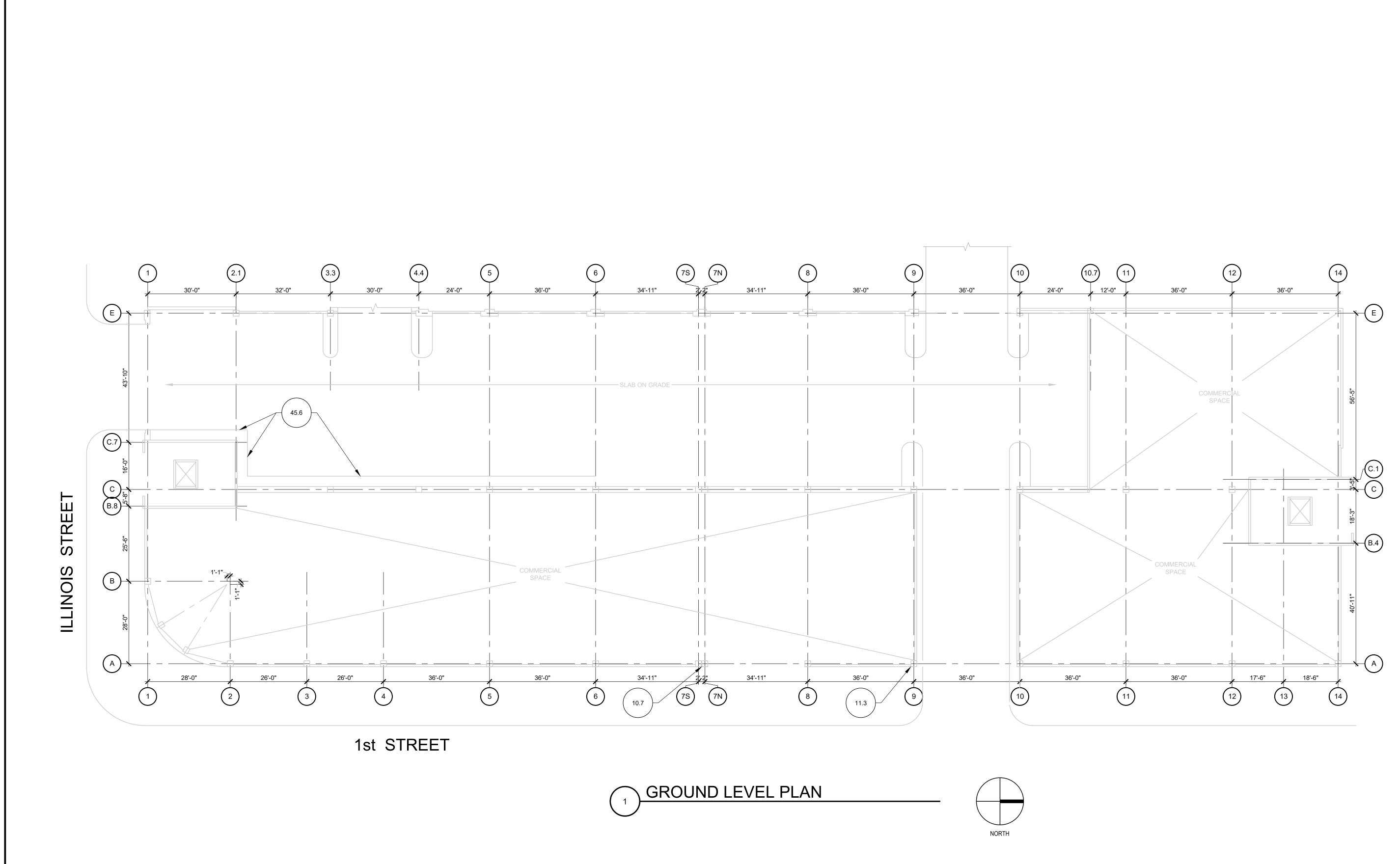
ABBREVIATIONS						
APPROX.	=	APPROXIMATELY				
BM.	=	BEAM				
BOT.	=	BOTTOM				
C.I.P.	=	CAST IN PLACE				
C.J.	=	CONSTRUCTION JOINT/CONTROL JOINT				
CLR.	=	CLEARANCE				
COL.	=	COLUMN				
CONC.	=	CONCRETE				
DET.	=	DETAIL				
EA.	=	EACH				
E.J.	=	EXPANSION JOINT				
EXIST.	=	EXISTING				
FIN.	=	FINISHED				
FL.	=	FLOOR				
INC.	=	INCIDENTAL				
L.F.	=	LINEAR FOOT				
L.S.	=	LUMP SUM				
MAX.	=	MAXIMUM				
MIN.	=	MINIMUM				
N/A	=	NOT APPLICABLE				
O.C.	=	ON CENTER				
O.H.	=	OPPOSITE HAND				
P/C	=	PRECAST				
REINF.	=	REINFORCEMENT				
REQ.'D	=	REQUIRED				
R.W.C.	=	RAIN WATER COLLECTOR				
S.F.	=	SQUARE FOOT				
SIM.	=	SIMILAR				
S.O.G.	=	SLAB ON GRADE				
SPEC.	=	SPECIFICATION				
SUPT.	=	SUPPORTED				
T.A.R.	=	TYPICAL AS REQUIRED				
TYP.	=	TYPICAL				
U.N.O.	=	UNLESS NOTED OTHERWISE				
W.I.	=	WORK ITEM				
W.W.F.	=	WELDED WIRE FABRIC				

Work Item	Description	Unit	Ground Level	2nd Level	3rd Level	4th Level	5th Level	Sub-Total
WORK IT	EM SCHEDULE							
Work Item	Description	Unit	Ground Level	2nd Level	3rd Level	4th Level	5th Level	Total
1.1	General Requirements	L.S.	1	1	1	1	1	1
3.1	Floor Repair	S.F.		30	15	40	215	300
3.1.1	Floor Repair w/Traffic Topping	S.F.				25		25
3.5	Floor Repair - Lifting Loop	EA.		10		2	8	20
6.1	Column Repair	S.F.		4				4
8.4	Tee Flange Repair	S.F.				8		8
10.3	Expansion Joint - Elastomeric	L.F.				60		60
10.6	Expansion Joint - Silicone Seal	L.F.				20		20
10.7	Expansion Joint - Vertical	L.F.	30		10	10	10	60
11.1	Seal Random Cracks	L.F.		50	50	50	50	200
11.2	Control Joint Sealant	L.F.		65	65	65	330	525
11.3	Vertical Joint Sealant	L.F.	45		25	65		135
11.4	Tee-to-Tee Joint Sealant	L.F.		240	60	200	3,600	4,100
11.7	Cove Sealant	L.F.					130	130
14.1	Epoxy Broadcast Overlay Systen	S.F.			850			850
15.1	Concrete Sealer	S.F.		19,500	18,650	19,500	47,500	105,150
16.1	Traffic Topping	S.F.					325	325
16.4	Traffic Topping - Recoat	S.F.				325	4,575	4,900
35.1	Tuckpointing	L.F.					30	30
38.1	Metal Wall Cap	L.S.					1	1
45.1	Paint Traffic Markings	L.S.		1	1	1	1	1
45.5	Paint Door & Frame	EA.					1	1
45.6	Paint Handrails	L.S.	1					1
74.7	Capstone Joint Repair	L.F.					45	45

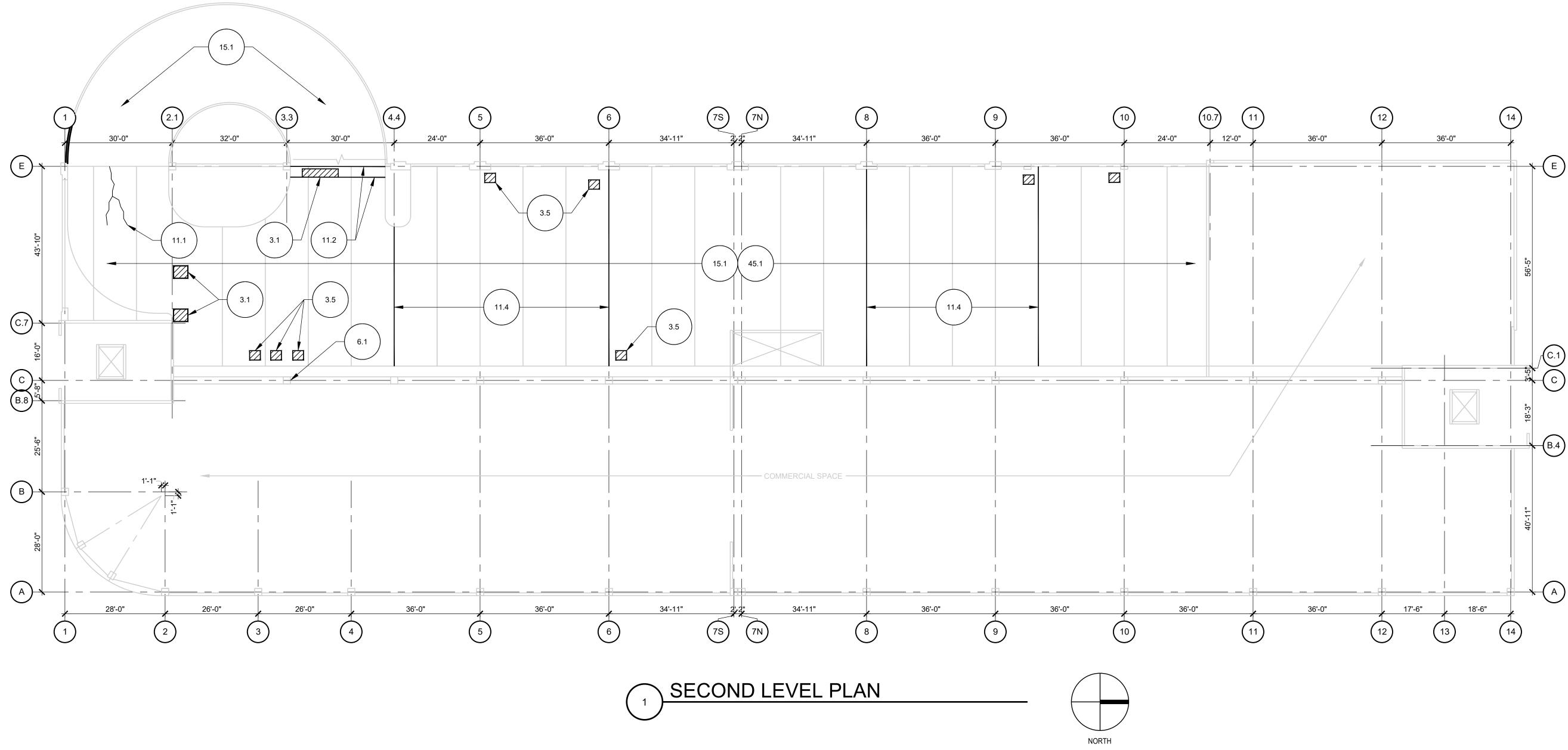
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45.5	Paint Door & Frame	EA.					1	1
45.6	Paint Handrails	L.S.	1					1
74.7	Capstone Joint Repair	L.F.					45	45

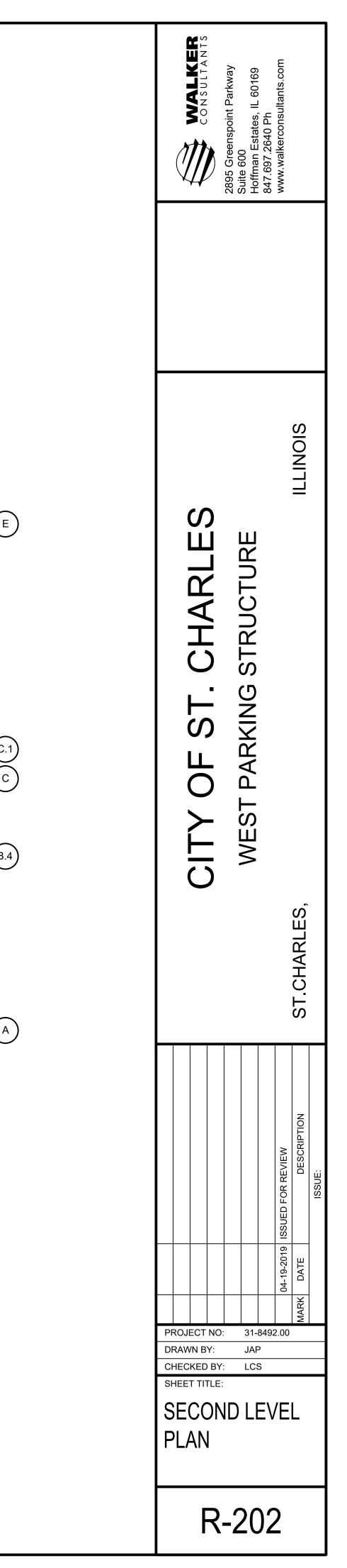


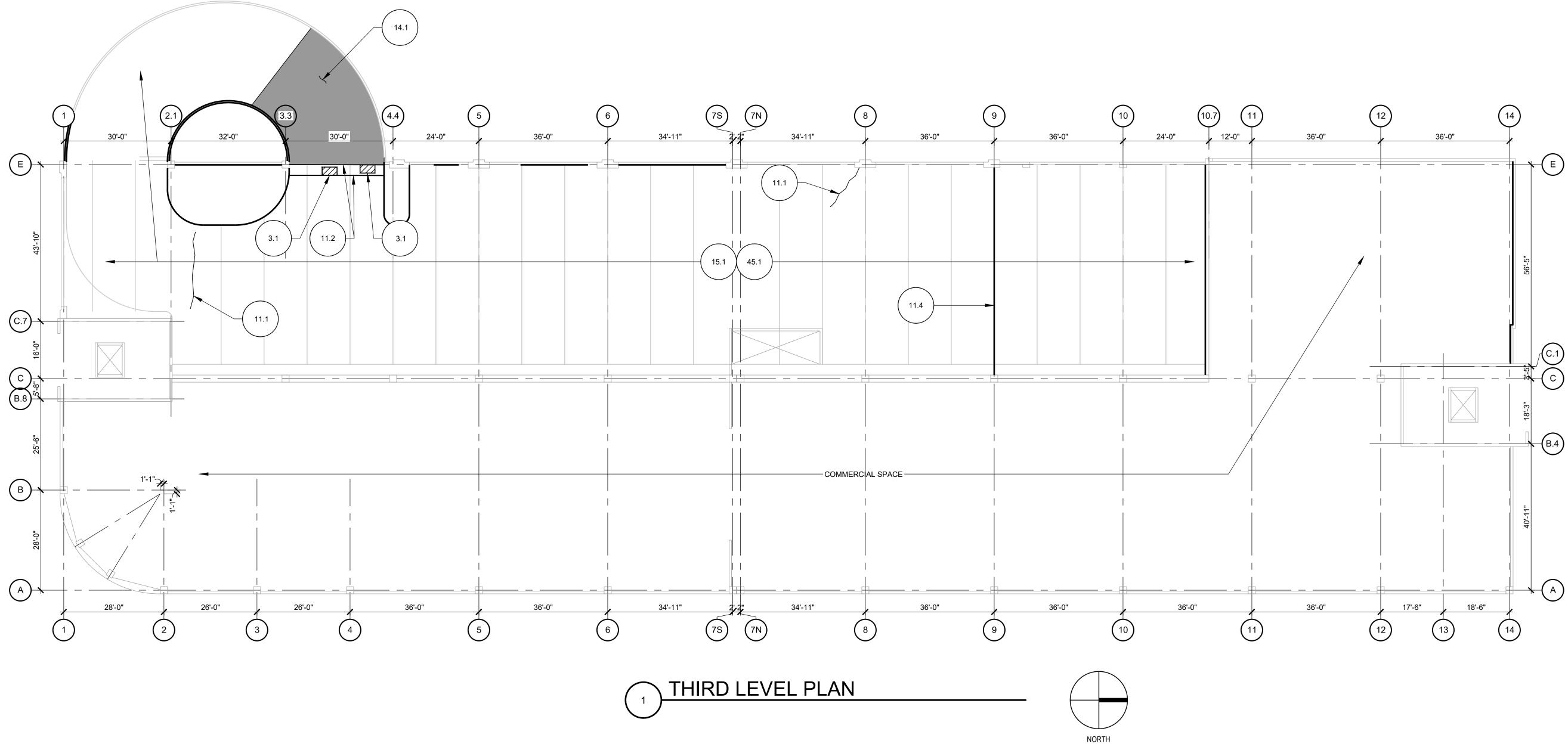


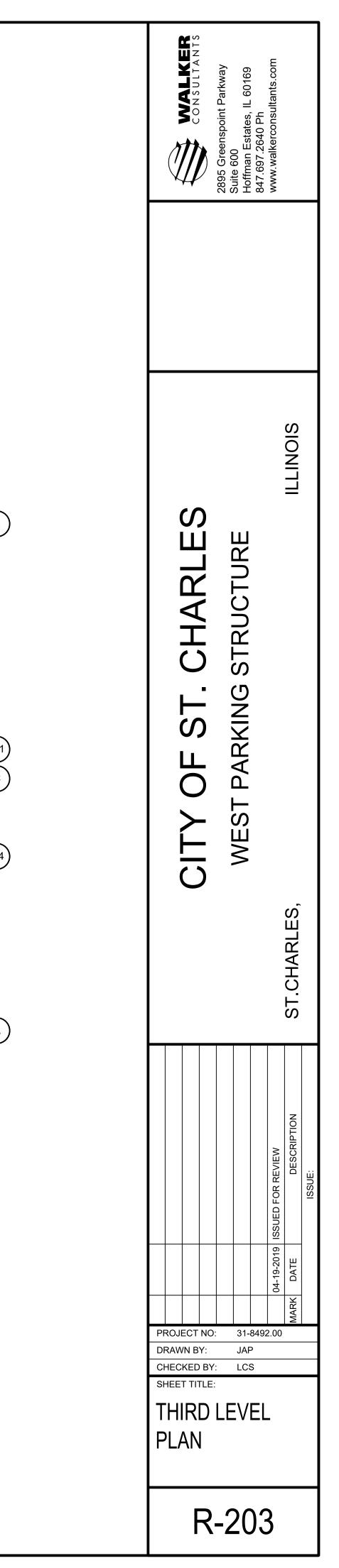


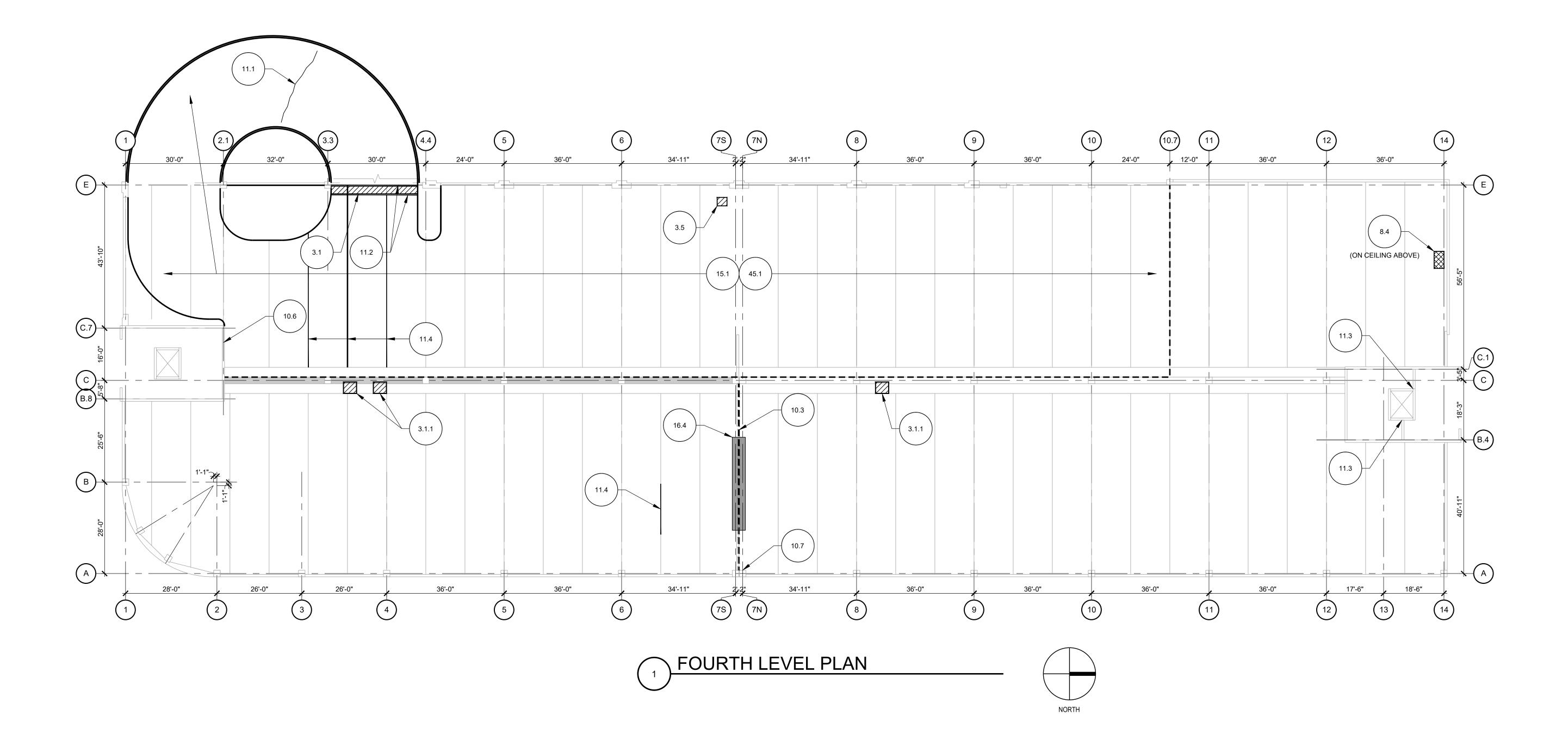






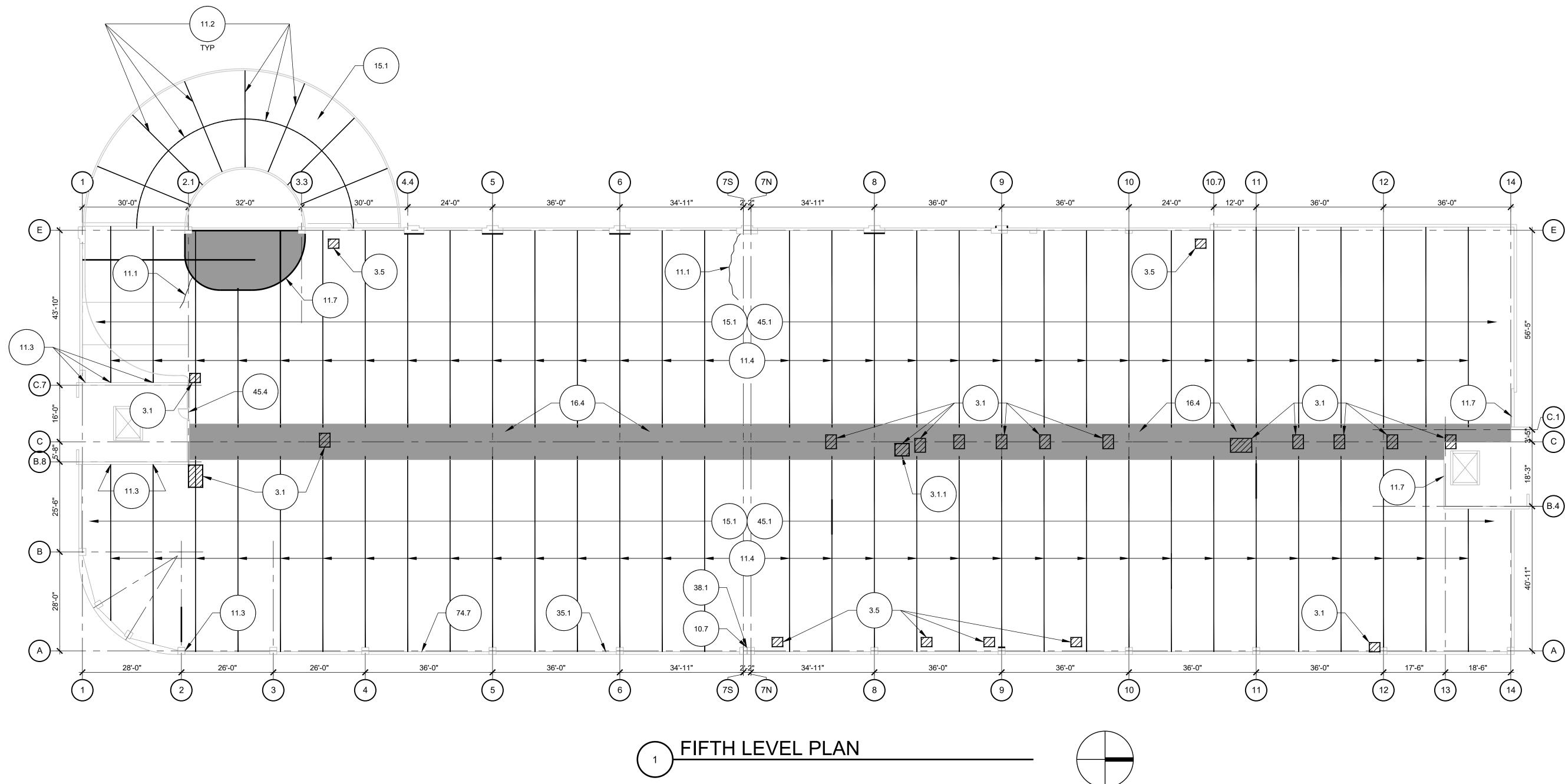




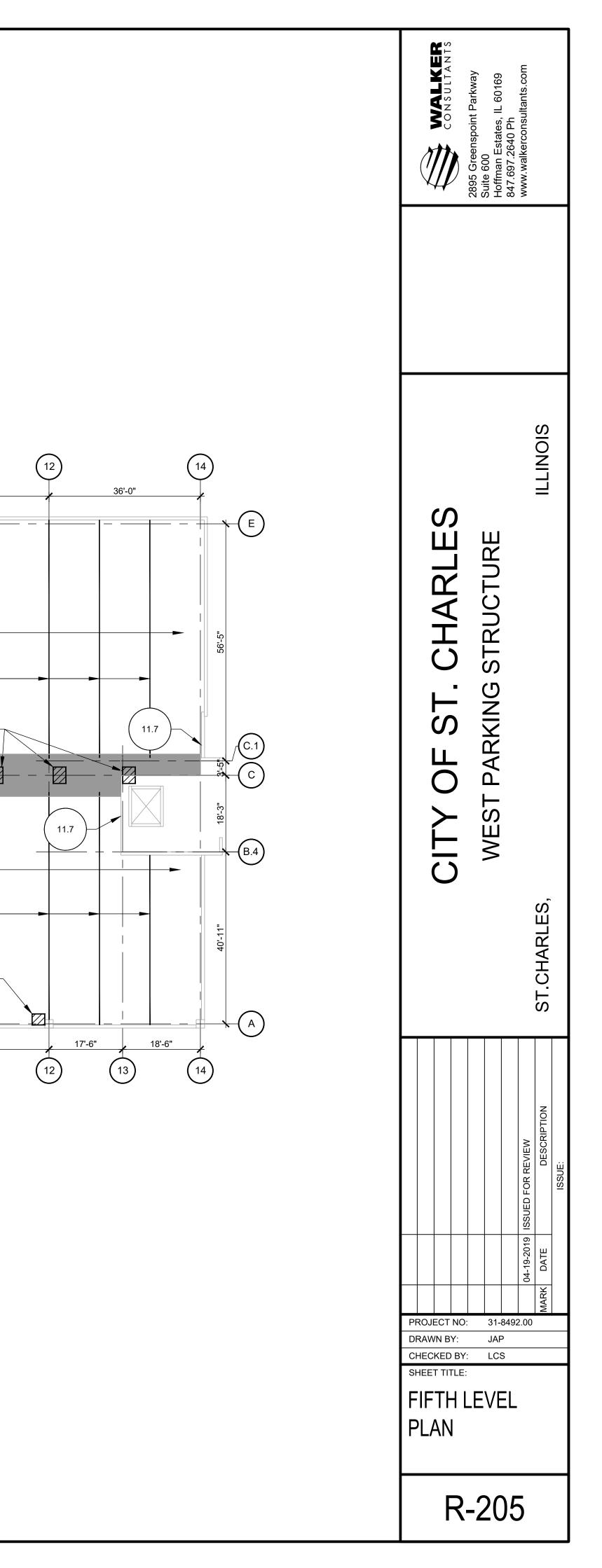


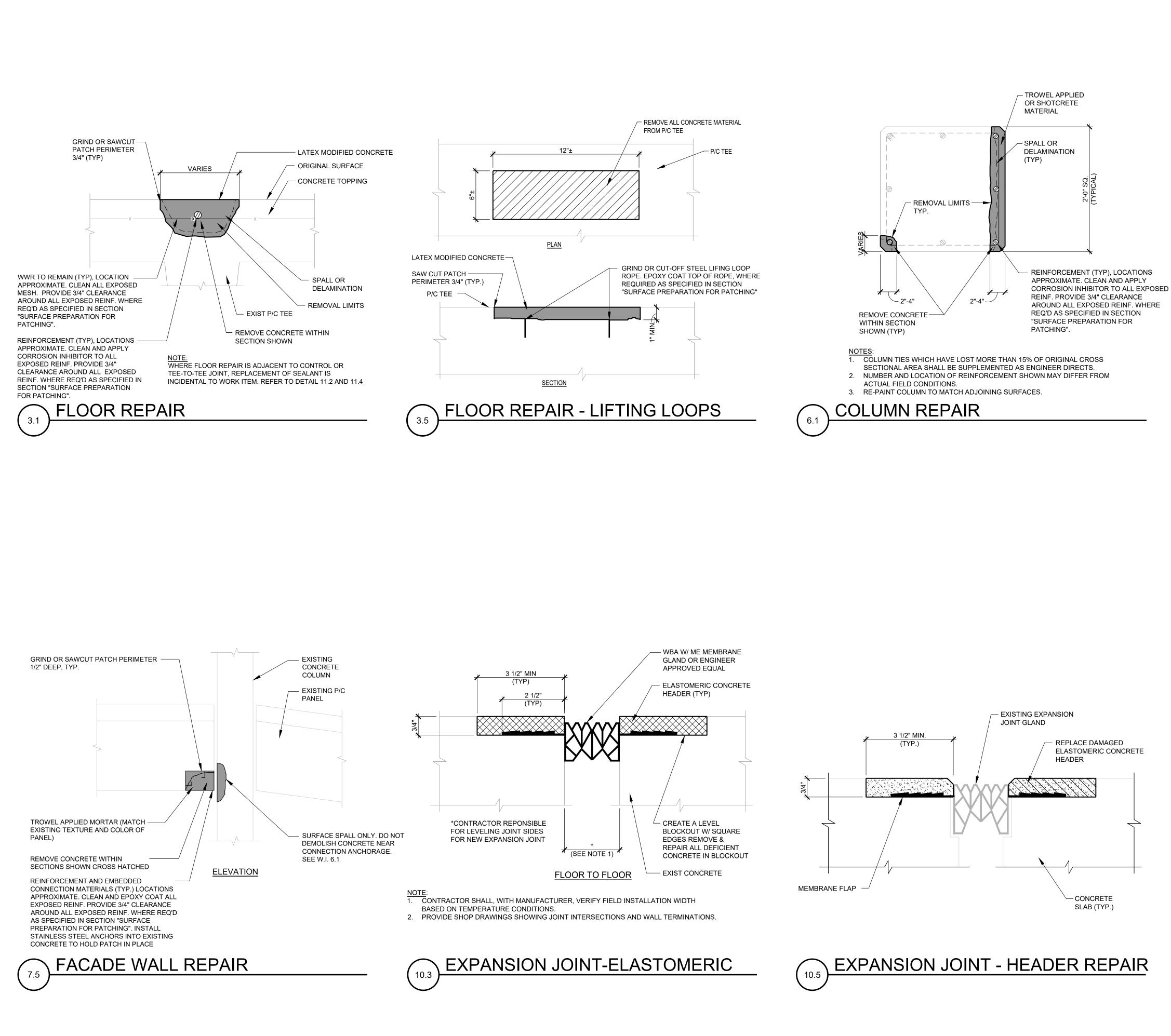
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NORTH





(10.5) EXPANSION JOINT - HEADER REPAIR

