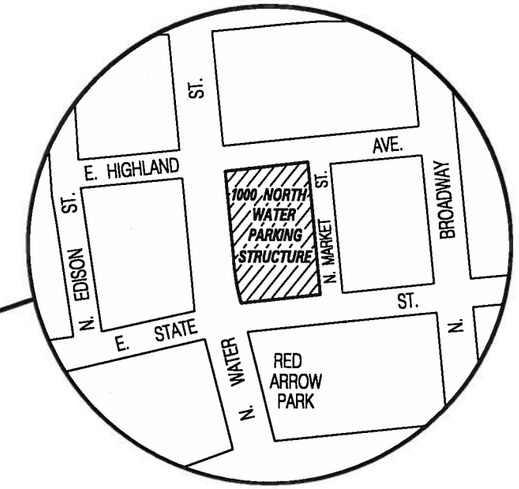
PAINTING AND EXPANSION JOINT REPLACEMENT AT THE 1000 NORTH WATER PARKING STRUCTURE LOCATED IN MILWAUKEE, WI



INDEX OF DRAWINGS

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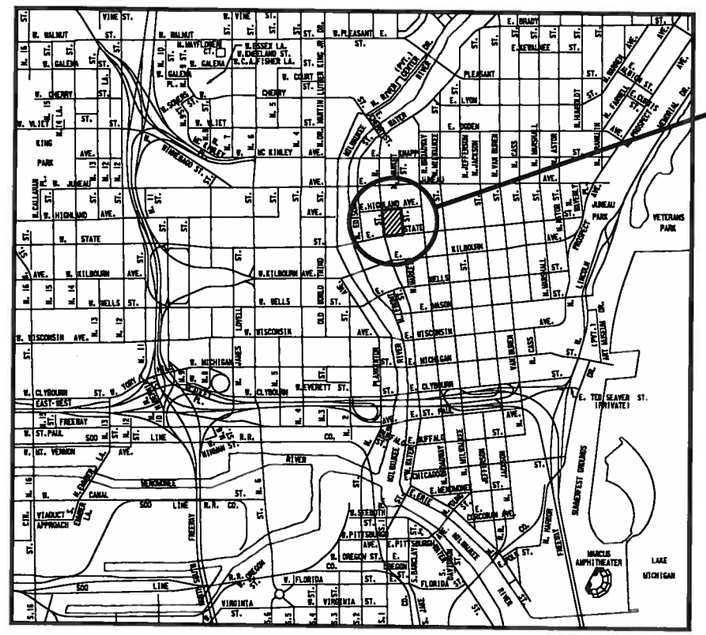
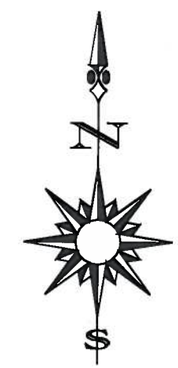
2. BASEMENT LEVEL PLAN
3. GROUND LEVEL PLAN
4. SECOND LEVEL PLAN
5. THIRD LEVEL PLAN
6. FOURTH LEVEL PLAN
7. FIFTH LEVEL PLAN
8. SIXTH LEVEL PLAN
9. SEVENTH LEVEL PLAN
10. EIGHTH LEVEL PLAN



LOCATION MAP



WISCONSIN
CRAIG S. LIBERTO
E-23746
MILWAUKEE, WI
PROFESSIONAL ENGINEER

Craig S. Liberto 6/13/12

PROPOSED WORK AT 1000 NORTH WATER PARKING STRUCTURE:

- PAINTING STAIRS, RAILINGS, PRECAST CONNECTIONS, AND BUILDING SPRINKLER SYSTEM.
- EPOXY INJECTED CRACK REPAIR
- CONCRETE SURFACE REPAIR
- SELECTED ELASTOMERIC EXPANSION JOINT REPLACEMENT
- VERTICAL EXPANSION JOINT REPLACEMENT

GENERAL NOTES:

PROVIDE TRAFFIC CONTROL, BARRICADES, SIGNAGE AND OTHER MEANS, AS NECESSARY, TO MAINTAIN TRAFFIC FLOW THROUGH PARKING STRUCTURE AT ALL TIMES.

ALL WORK SHALL CONFORM TO THE "GENERAL SPECIFICATIONS" OF THE DEPARTMENT OF PUBLIC WORKS, CITY OF MILWAUKEE, WISCONSIN, DATED JANUARY 31, 1992 AND ALL SUBSEQUENT ADDENDA.

DRAWINGS SHALL NOT BE SCALED. STUCTURE DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS. CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD.

City of Milwaukee
Department of Public Works
Infrastructure Services Division

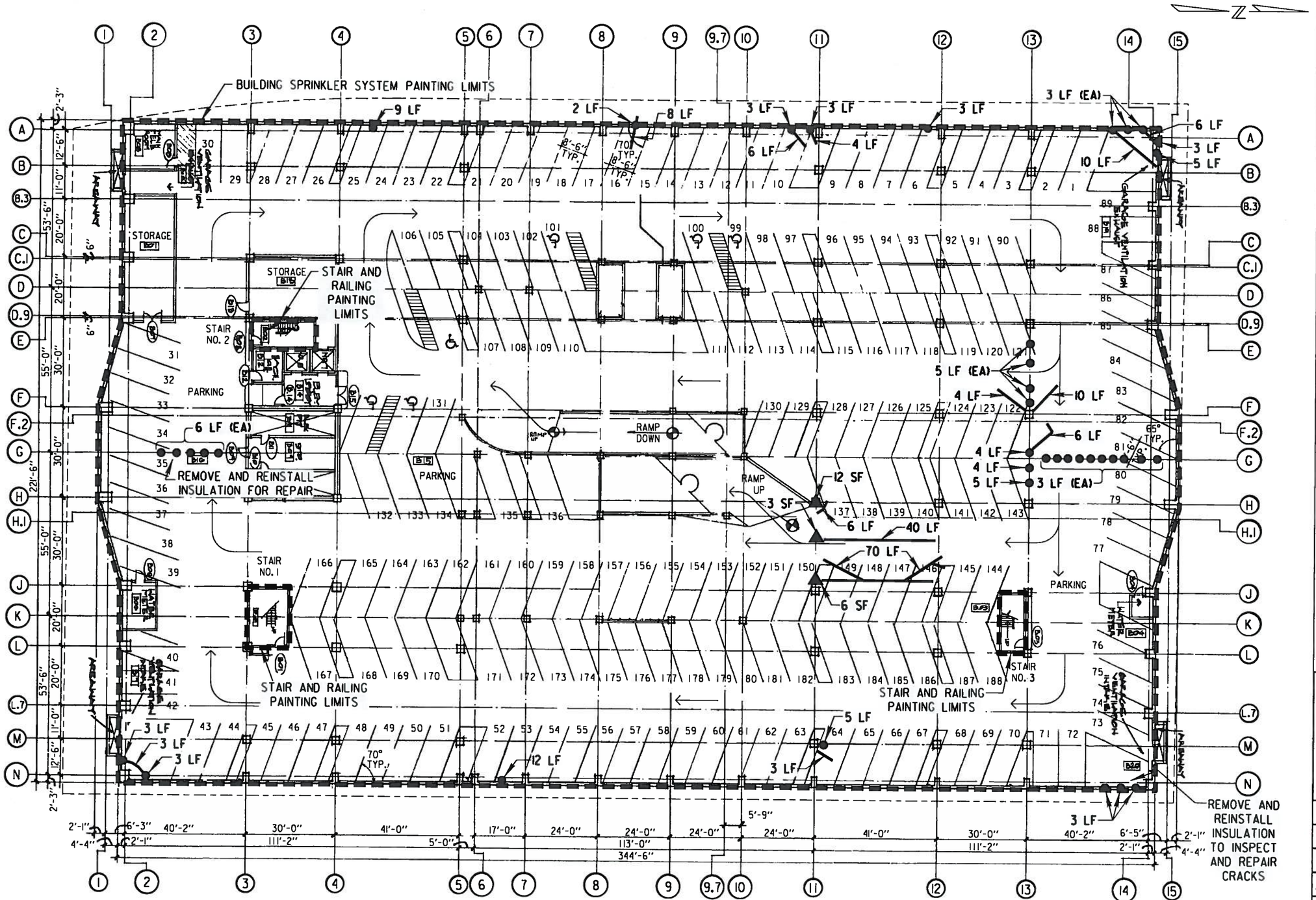
APPROVED BY: STREET AND BRIDGE SERVICES MANAGER DATE 6/13/12
CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS DATE 6/13/12

1000 NORTH WATER PARKING STRUCTURE
TITLE SHEET

REVISIONS

DESIGNED BY H.J.R.	
DRAWN BY K.P.S.	
CHECKED BY J.D.T.	
DATE 06-2012	SCALE NONE
JOB NUMBER PAI60090400	
SHEET NUMBER 1	
OF 10	

W:\STR\STRUC\1000WATER_PAINT\01-TITLE.DGN 06-12-2012



BASEMENT LEVEL PLAN

DIRECTION OF TRAFFIC FLOW

PAGE QUANTITIES	
EPOXY INJECTED CRACK REPAIR —— / ●	335 LF
CONCRETE SURFACE REPAIR ▲	21 SF

City of Milwaukee

Department of Public Works

Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
BASEMENT LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.

DRAWN BY K.P.S.

CHECKED BY J.D.T.

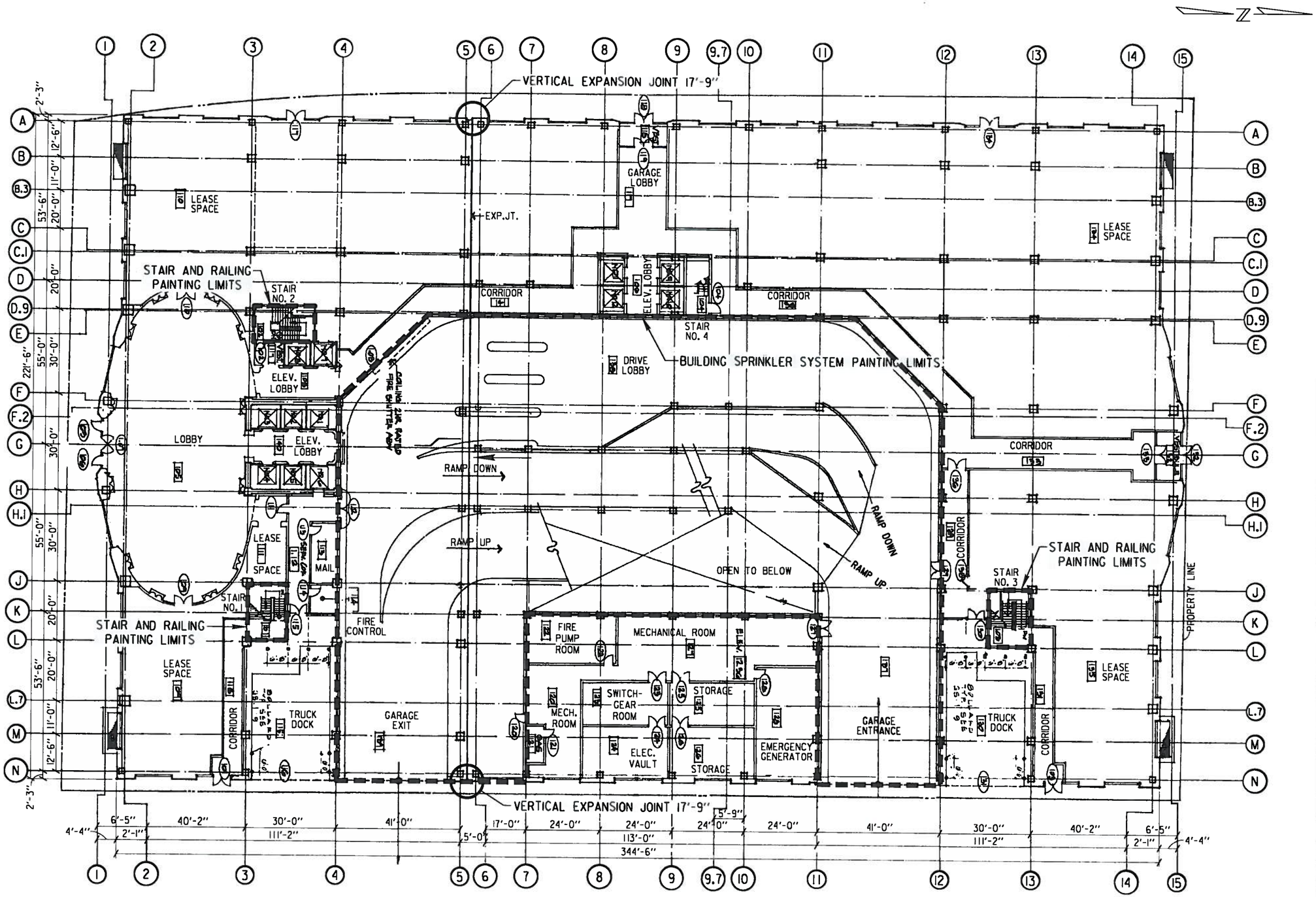
DATE 06-2012 | SCALE NONE

JOB NUMBER PAI60090400

SHEET NUMBER 2

OF 10

W:\STR\STRUC\1000WATER.PAINT\02-BASEMENT.DGN 06-05-2012



GROUND LEVEL PLAN

PAGE QUANTITIES	
VERTICAL EXPANSION JOINT *	35.5 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

City of Milwaukee

Department of Public Works

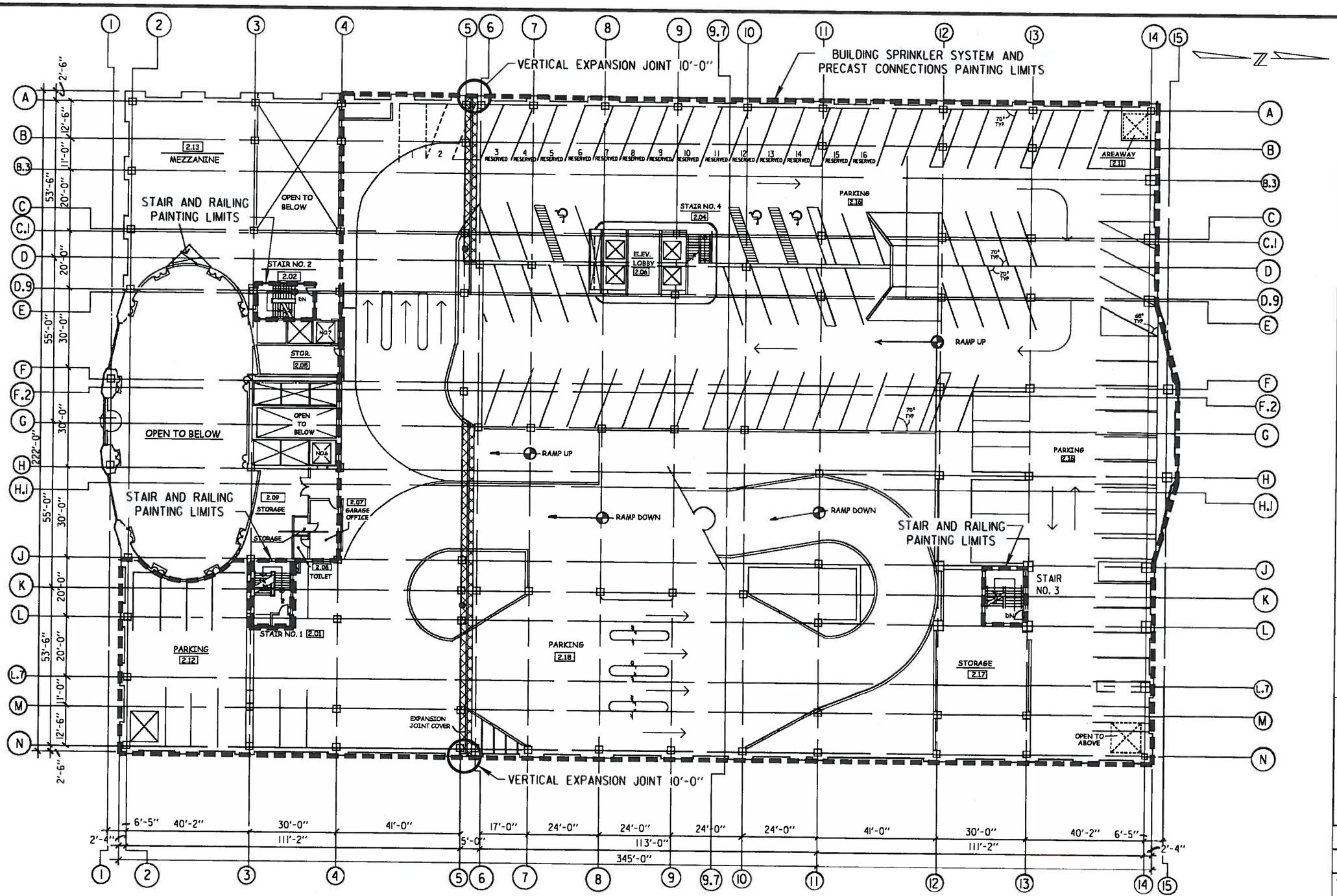
Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
GROUND LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.	
DRAWN BY K.P.S.	
CHECKED BY J.D.T.	
DATE 06-2012	SCALE NONE
JOB NUMBER PA160090400	
SHEET NUMBER 3	
OF 10	

W:\STR\STRUC\ 1000WATER.PAINT\ 03-GROUND.DGN 06-05-2012



NOTE:
PRECAST CONNECTIONS TO BE PAINTED ARE ALL STEEL CONNECTIONS FROM PRECAST FACADE PANELS TO DECK. ESTIMATED NUMBER OF CONNECTIONS ON SECOND LEVEL IS 152. 'PAINTING PRECAST CONNECTIONS' FOR ENTIRE STRUCTURE IS ONE LUMP SUM QUANTITY.

SECOND LEVEL PLAN

DIRECTION OF TRAFFIC FLOW

PAGE QUANTITIES	
VERTICAL EXPANSION JOINT *	20 LF
ELASTOMERIC EXPANSION JOINT	162 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

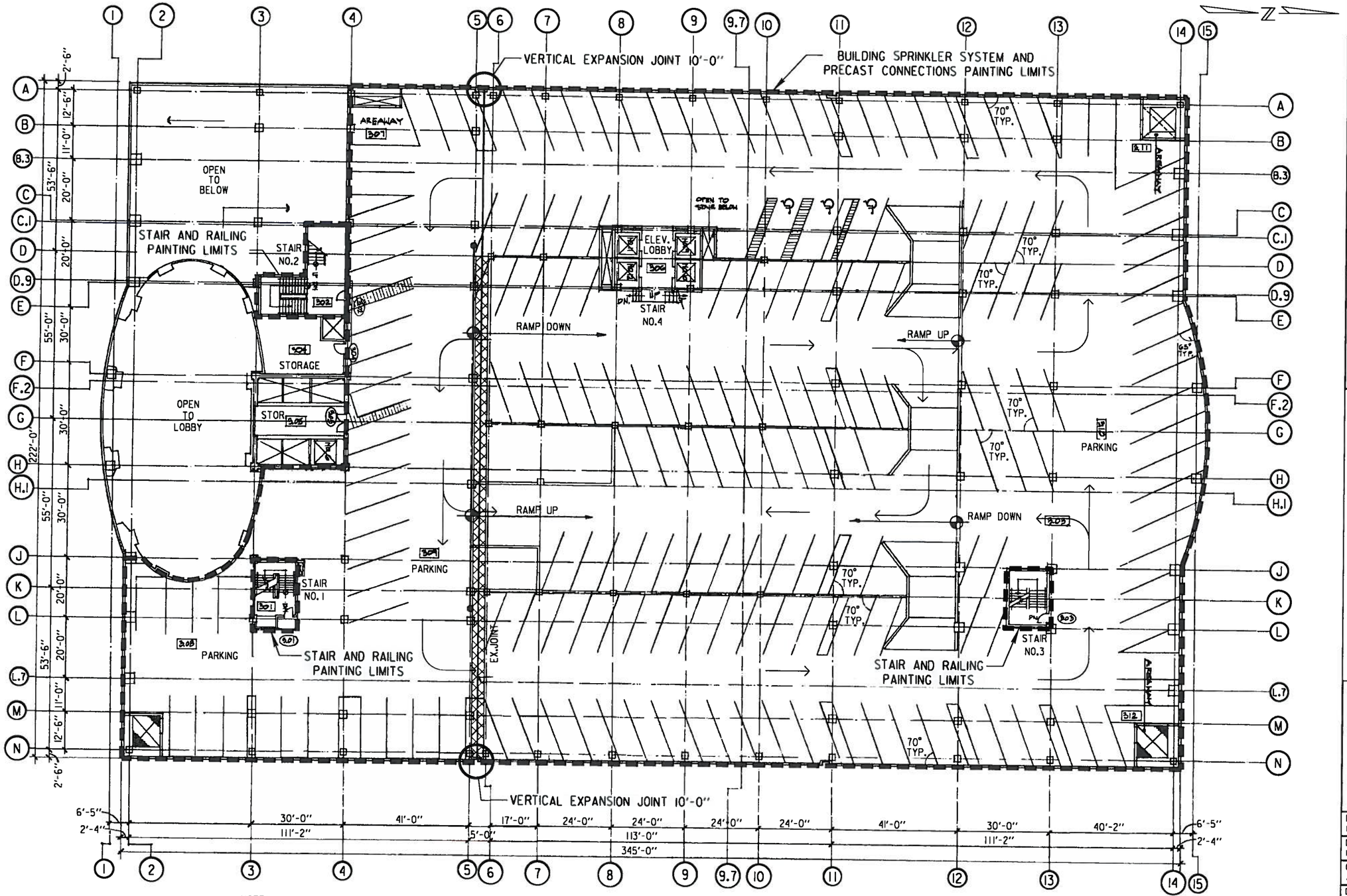
City of Milwaukee
Department of Public Works
Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
SECOND LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.
DRAWN BY K.P.S.
CHECKED BY J.D.T.
DATE 06-2012
SCALE NONE
JOB NUMBER PAI60090400
SHEET NUMBER 4
OF 10

W:\STR\STRUC\1000WATER.PAINT\04-2NDLEVEL.DGN 06-06-2012



NOTE:
PRECAST CONNECTIONS TO BE PAINTED ARE ALL STEEL CONNECTIONS FROM PRECAST FACADE PANELS TO DECK. ESTIMATED NUMBER OF CONNECTIONS ON THIRD LEVEL IS 152. 'PAINTING PRECAST CONNECTIONS' FOR ENTIRE STRUCTURE IS ONE LUMP SUM QUANTITY.

THIRD LEVEL PLAN

→ DIRECTION OF TRAFFIC FLOW

PAGE QUANTITIES	
VERTICAL EXPANSION JOINT *	20 LF
ELASTOMERIC EXPANSION JOINT	163.5 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

City of Milwaukee
Department of Public Works
Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
THIRD LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.
DRAWN BY K.P.S.
CHECKED BY J.D.T.
DATE 06-2012
SCALE NONE
JOB NUMBER PA160090400
SHEET NUMBER 5
OF 10

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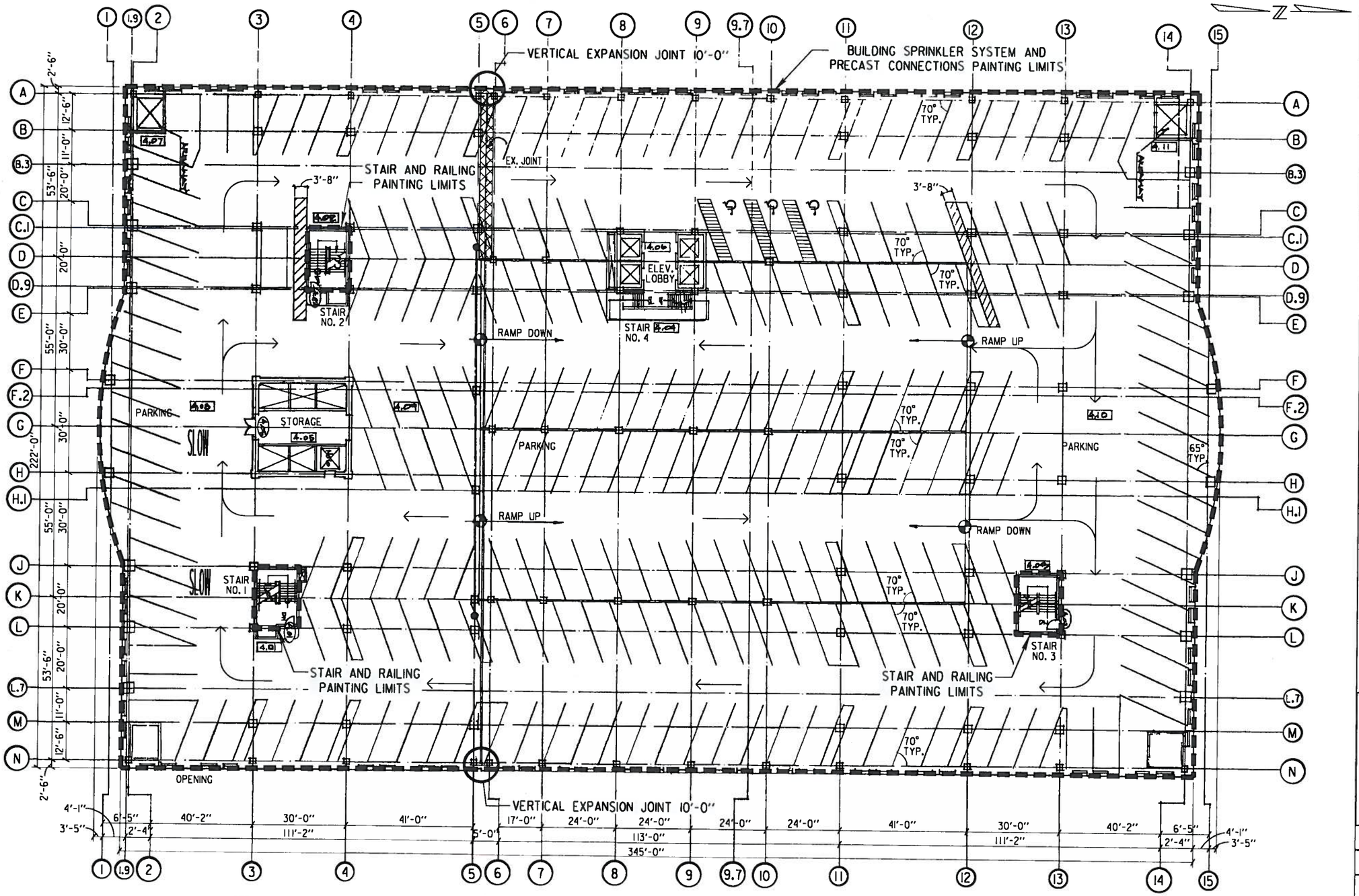

NOTE:
PRECAST CONNECTIONS TO BE PAINTED ARE ALL STEEL CONNECTIONS FROM PRECAST FACADE PANELS TO DECK. ESTIMATED NUMBER OF PRECAST CONNECTIONS FOR LEVELS 4, 5, 6 AND 7 ARE 186 PER LEVEL. 'PAINTING PRECAST CONNECTIONS' FOR ENTIRE STRUCTURE IS ONE LUMP SUM QUANTITY.

FOURTH LEVEL PLAN

DIRECTION OF TRAFFIC FLOW

PAGE QUANTITIES	
VERTICAL EXPANSION JOINT *	20 LF
ELASTOMERIC EXPANSION JOINT	53.5 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

City of Milwaukee
Department of Public Works
Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
FOURTH LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.
DRAWN BY K.P.S.
CHECKED BY J.D.T.
DATE 06-2012
SCALE NONE
JOB NUMBER PA160090400
SHEET NUMBER 6
OF 10

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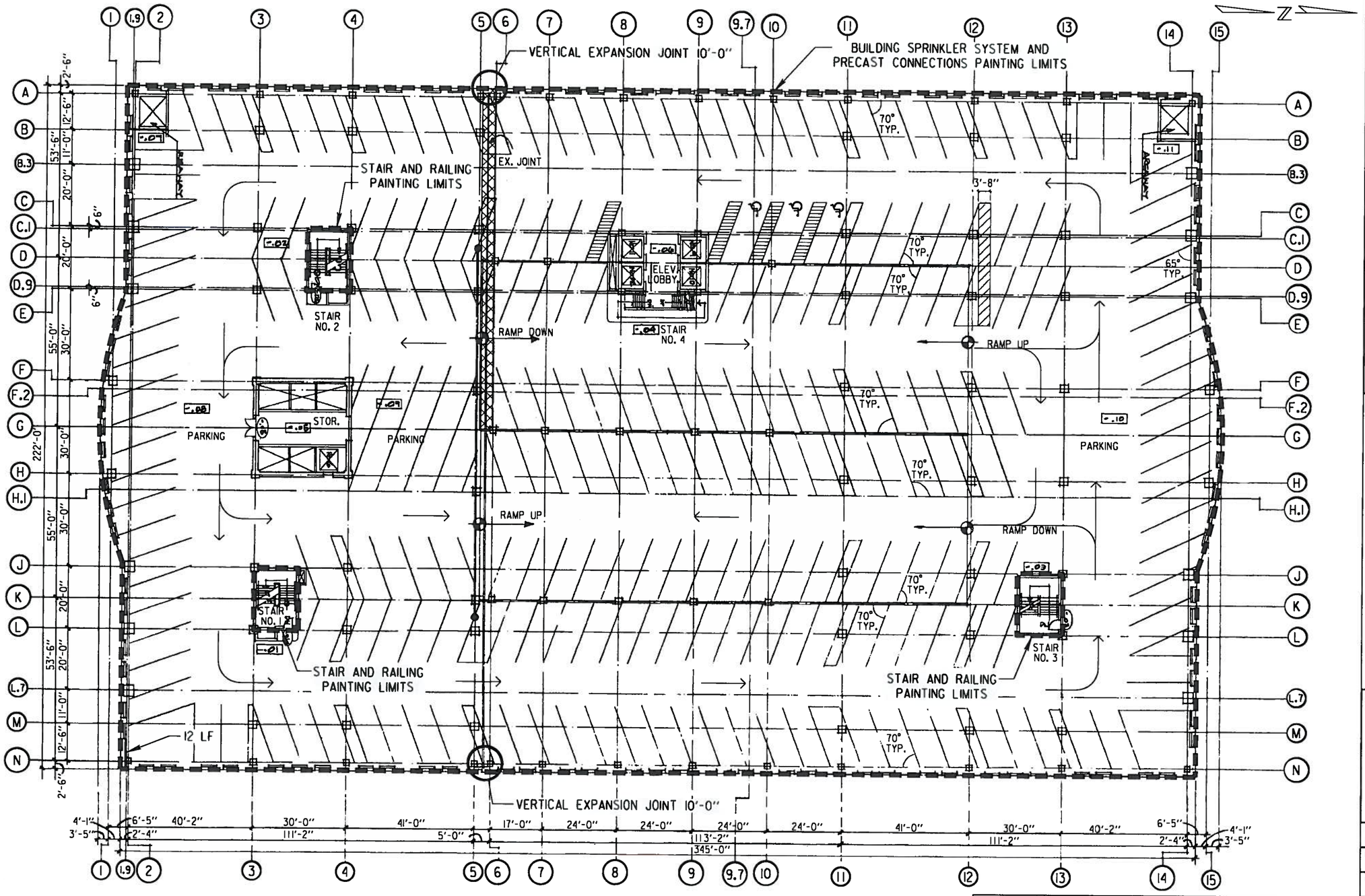

FIFTH LEVEL PLAN

DIRECTION OF TRAFFIC FLOW

PAGE QUANTITIES	
EPOXY - INJECTED CRACK REPAIR	12 LF
VERTICAL EXPANSION JOINT *	20 LF
ELASTOMERIC EXPANSION JOINT	108.5 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

City of Milwaukee

Department of Public Works

Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
FIFTH LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.

DRAWN BY K.P.S.

CHECKED BY J.D.T.

DATE 06-2012 | SCALE NONE

JOB NUMBER PA160090400

SHEET NUMBER 7

OF 10

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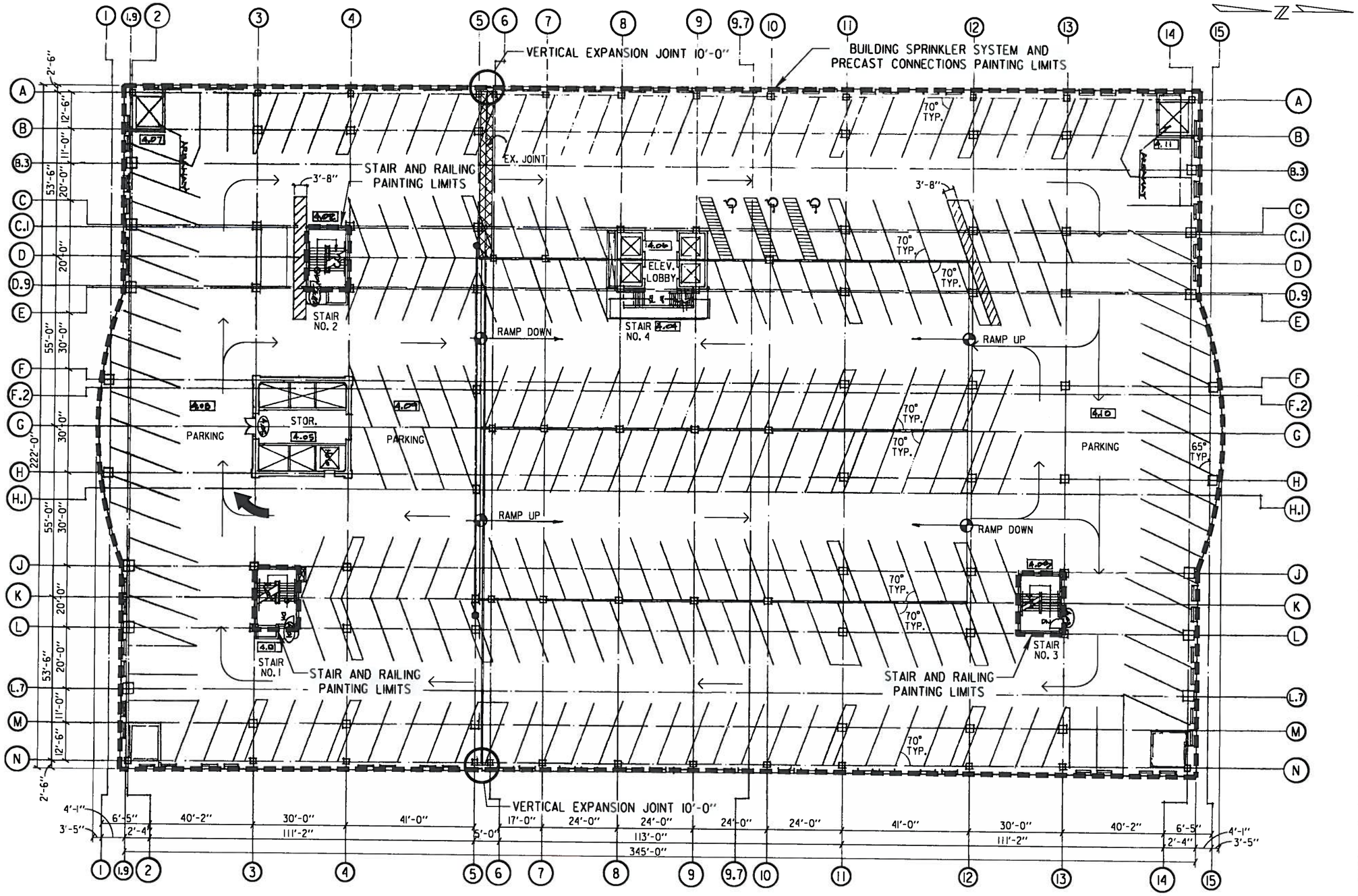

SIXTH LEVEL PLAN

DIRECTION OF TRAFFIC FLOW

PAGE QUANTITIES	
VERTICAL EXPANSION JOINT *	20 LF
ELASTOMERIC EXPANSION JOINT	53.5 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

City of Milwaukee

Department of Public Works

Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
SIXTH LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.

DRAWN BY K.P.S.

CHECKED BY J.D.T.

DATE 06-2012 | SCALE NONE

JOB NUMBER PAI60090400

SHEET NUMBER 8

OF 10

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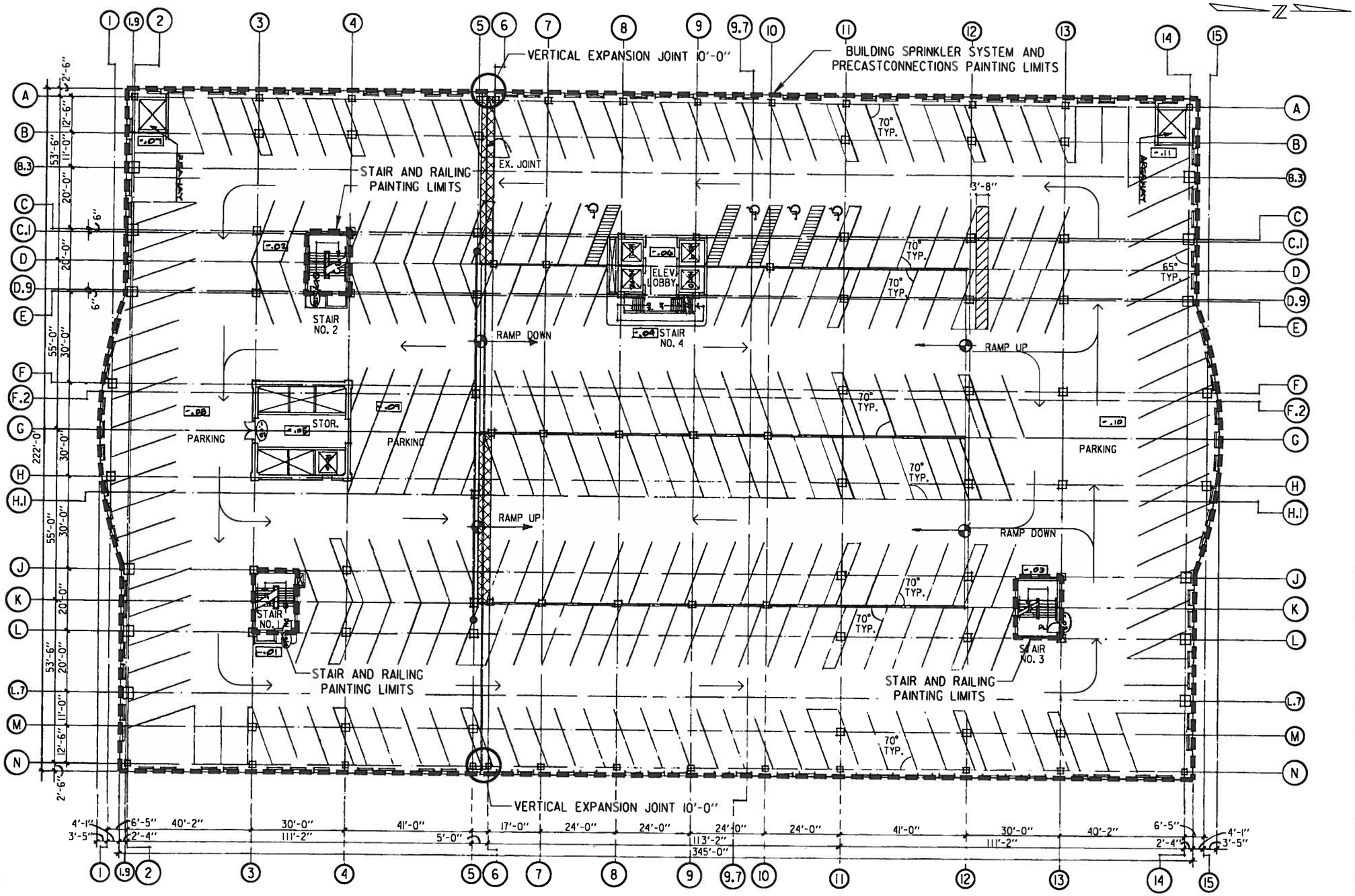

SEVENTH LEVEL PLAN

DIRECTION OF TRAFFIC FLOW

PAGE QUANTITIES	
VERTICAL EXPANSION JOINT *	20 LF
ELASTOMERIC EXPANSION JOINT	108.5 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

City of Milwaukee

Department of Public Works

Infrastructure Services Division

1000 WATER PARKING STRUCTURE
SEVENTH LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.
DRAWN BY K.P.S.
CHECKED BY J.D.T.
DATE 06-2012
SCALE NONE
JOB NUMBER PA160090400
SHEET NUMBER 9
OF 10

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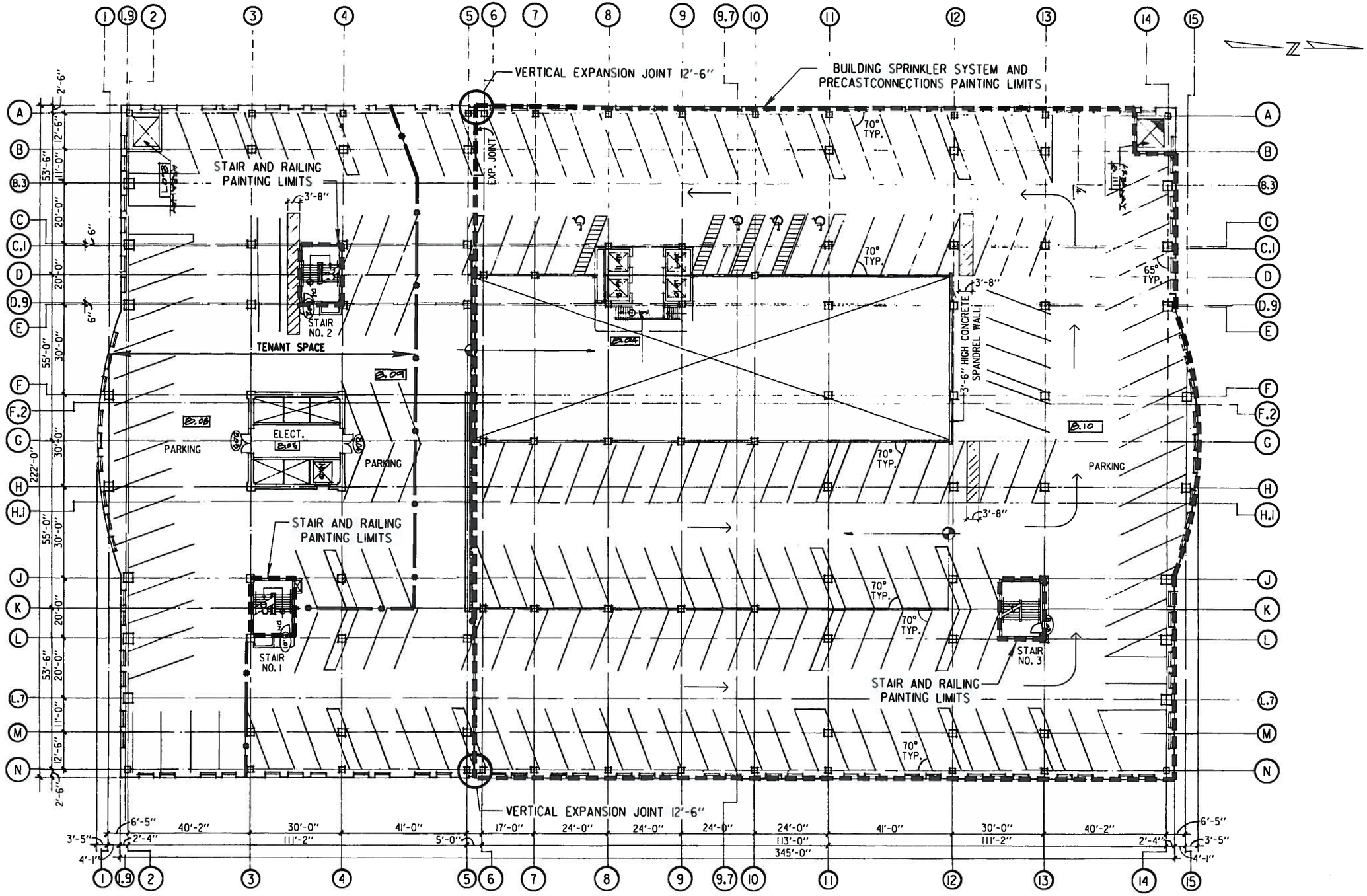

NOTE:
PRECAST CONNECTIONS TO BE PAINTED ARE ALL STEEL CONNECTIONS FROM PRECAST FACADE PANELS TO DECK. ESTIMATED NUMBER OF CONNECTIONS ON EIGHTH LEVEL IS 125. 'PAINTING PRECAST CONNECTIONS' FOR ENTIRE STRUCTURE IS ONE LUMP SUM QUANTITY.

EIGHTH LEVEL PLAN

DIRECTION OF TRAFFIC FLOW

EXISTING FENCE

PAGE QUANTITIES	
VERTICAL EXPANSION JOINT *	25 LF

* EXPANSION JOINT MATERIAL SHALL BE MADE CONTINUOUS BETWEEN FLOORS

City of Milwaukee
Department of Public Works
Infrastructure Services Division

1000 NORTH WATER PARKING STRUCTURE
EIGHTH LEVEL PLAN

REVISIONS

DESIGNED BY H.J.R.
DRAWN BY K.P.S.
CHECKED BY J.D.T.
DATE 06-2012
SCALE NONE
JOB NUMBER PA160090400
SHEET NUMBER 10
OF 10

W:\STR\STRUCT\1000WATER.PAINT\10-8TH.DGN 06-07-2012