City of Elmira
317 E. Church Street, Elmira, NY 14901

Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

PROJECT LOCATION

GENERAL

G001	COVER SHEET

ARCHITECTURAL PARKING

AP101	LEVEL 1 PLAN
AP102	LEVEL 2 PLAN
AP103	LEVEL 3 PLAN
AP104	LEVEL 4 PLAN
AP105	LEVEL 5 PLAN
AP106	LEVEL 6 PLAN
AP301	SIGN ELEVATIONS
AP501	FUNCTIONAL DETAILS AND SCHEDULES
AP511	SIGN DETAILS
AP512	SIGN DETAILS
AP513	SIGN DETAILS
AP521	SIGN MOUNTING DETAILS

STRUCTURAL RESTORATION

SR001	GENERAL NOTES
SR101	LEVEL 1 PLAN
SR102	LEVEL 2 PLAN
SR103	LEVEL 3 PLAN
SR104	LEVEL 4 PLAN
SR105	LEVEL 5 PLAN
SR106	LEVEL 6 PLAN
SR107	LEVEL 7 PLAN
SR501	RESTORATION DETAILS
SR551	WATERPROOFING DETAILS

ELECTRICAL

E001	ELECTRICAL NOTES, SYMBOL, LEGEND, & ABBREVATIONS
E201	LEVEL 1 LIGHTING PLAN
E202	LEVEL 2 LIGHTING PLAN
E203	LEVEL 3 LIGHTING PLAN
E204	LEVEL 4 LIGHTING PLAN

PLUMBING

P001	PLUMBING LEGEND SHEET
P101	LEVEL 1 PLUMBING PLAN
P102	LEVEL 2 PLUMBING PLAN
P103	LEVEL 3 PLUMBING PLAN
P104	LEVEL 4 PLUMBING PLAN
P105	LEVEL 5 PLUMBING PLAN
P106	LEVEL 6 PLUMBING PLAN
P107	LEVEL 7 PLUMBING PLAN
P401	PLUMBING ENLARGED PLANS
P501	PLUMBING DETAILS

FIRE PROTECTION

F001	FIRE PROTECTION LEGEND SHEET
F011	LEVEL 1 FIRE PROTECTION PLAN DEMOLITION
F012	LEVEL 6-7 FIRE PROTECTION PLAN DEMOLITION
F101	LEVEL 1 FIRE PROTECTION PLAN
F102	LEVEL 6-7 FIRE PROTECTION PLAN
F401	ENLARGED FIRE PROTECTION PLANS AND DETAILS

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4775 Campus Drive
Kalamazoo, Michigan

PROJECT STATUS: BID DOCUMENTS
ISSUE DATE: 02/16/26

CLIENT: City of Elmira
PROJECT #: 2242076

PROJECT NAME: Centertown Parking Garage Improvements, Phase II
PROJECT ADDRESS: 101 West Gray Street, Elmira, NY 14901

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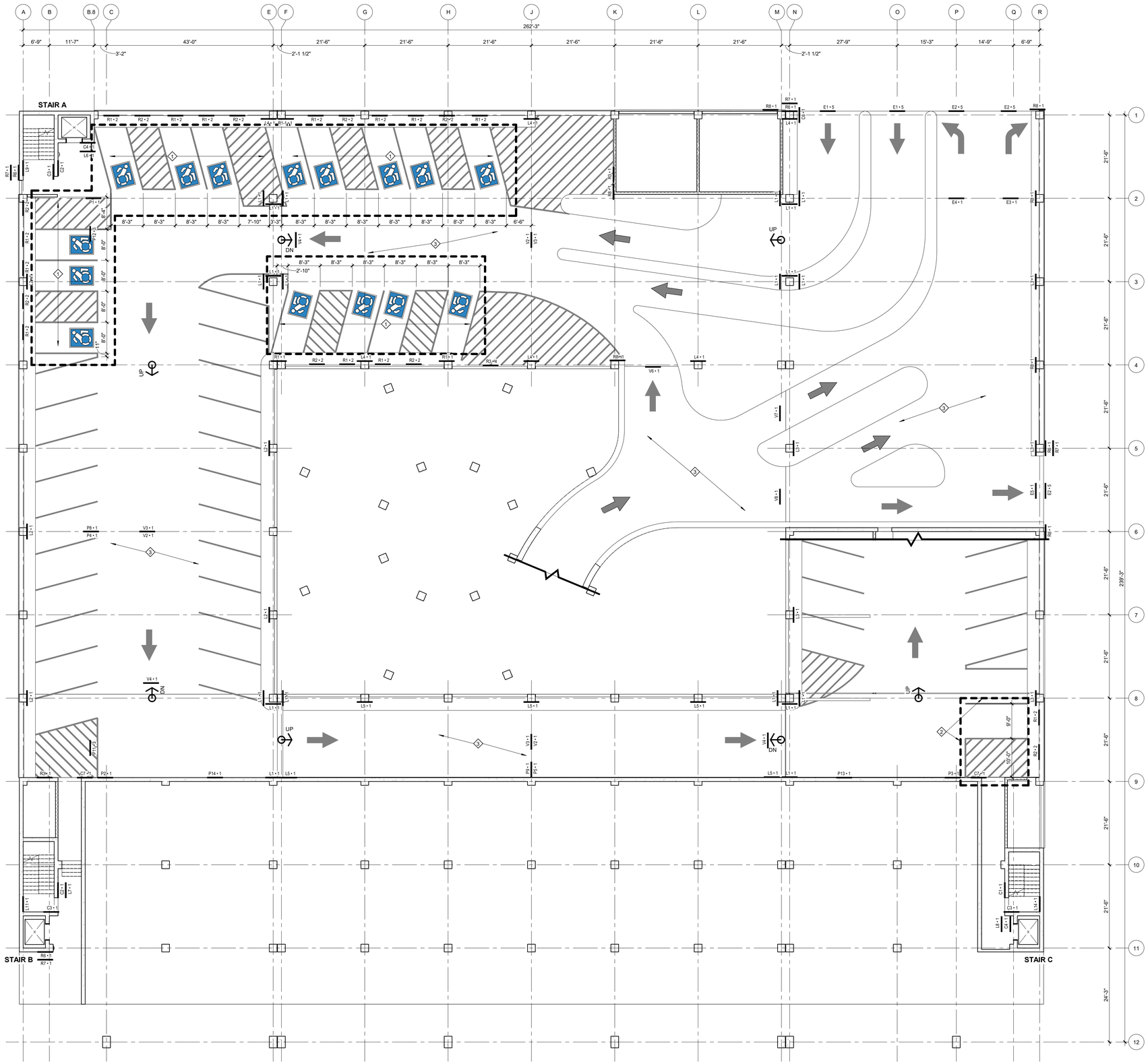


LEVEL 1 PLAN

SCALE: 3/32" = 1'-0"

NORTH

PLAN SYMBOLS

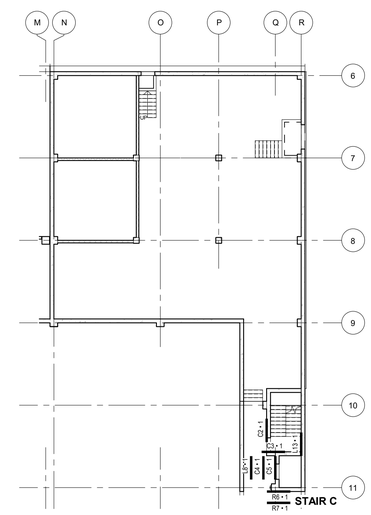
- PLAN MATCH LINE (RAMP)
- DN — RAMP HINGE LINE - **UP** INDICATES THE SURFACE SLOPES UP. **DN** INDICATES THE SURFACE SLOPES DOWN.
- XXX • X — SIGN; THE FIRST SET OF CHARACTERS IS THE SIGN MARK, REFER TO SIGN LEGEND. THE SECOND DIGIT IS THE SIGN MOUNTING MARK, REFER TO SIGN MOUNTING SCHEDULE. SIGN TO BE PLACED AS SHOWN ON PLAN.
- AREA OF PROPOSED NEW PAVEMENT MARKINGS
- BARRICADES TO RESTRICT ACCESS TO ROOF LEVEL OF PARKING GARAGE, REFER TO DTL 15/SR501.

PLAN NOTES

1. FOR GENERAL NOTES AND EXPLANATION OF NOTATIONS AND ABBREVIATIONS, REFER TO SHEET SR001.
2. ALL SIGNS LOCATED AT ENTRY/EXIT SHALL BE CENTERED IN LANES, TYPICAL.
3. EXISTING PAVEMENT MARKINGS TO BE RE-PAINTED AS AS PART OF IMPROVEMENTS PROJECT. EXISTING STRIPING SHOWN ON DRAWINGS MAY NOT MATCH EXACTLY WHAT IS IN THE FIELD. IF THERE ARE ANY MAJOR DISCREPANCIES PLEASE CONTACT PROJECT ENGINEER.
4. PAVEMENT MARKING DETAILS ON SHEET AP501 ARE FOR REVISED STRIPPED AREAS AS IDENTIFIED IN THE ABOVE PLAN SYMBOLS SECTION. EXISTING STRIPING MAY VARY SLIGHTLY.
5. FOR ALL ARCHITECTURAL PARKING SCHEDULES REFER TO SHEET AP501.
6. AT SLAB-ON-GRADE LEVEL 1, REMOVE EXISTING STRIPING THAT CONFLICTS WITH NEW STRIPING SHOWN AS INDICATED BY KEY NOTE 1. FOR UPPER LEVELS, REFER TO SR-SERIES PLANS, WORK ITEM NOTE 10.

KEY NOTES

1 REMOVE EXISTING STRIPING THAT CONFLICTS WITH NEW STRIPING SHOWN.
2 REMOVE ALL SIGNAGE ASSOCIATED WITH EXISTING ADA PARKING.
3 REMOVE ALL EXISTING SIGNAGE INCLUDING FIELD-PAINTED CONCRETE SIGNS.
4 WATER-FILLED BARRIER, REFER TO DTL 15/SR501



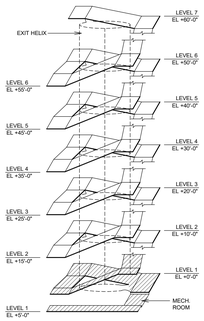
MECHANICAL ROOM PLAN

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

NORTH

SPACE TABULATION

COUNT LEVEL	STANDARD	ACCESSIBLE	LEVEL TOTAL
LEVEL 1	50	15	65
LEVEL 2	126	0	126
LEVEL 3	126	0	126
LEVEL 4	126	0	126
LEVEL 5	126	0	126
LEVEL 6	126	0	126
LEVEL 7	32	0	32
TOTAL	712	15	727



ISOMETRIC KEY PLAN

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

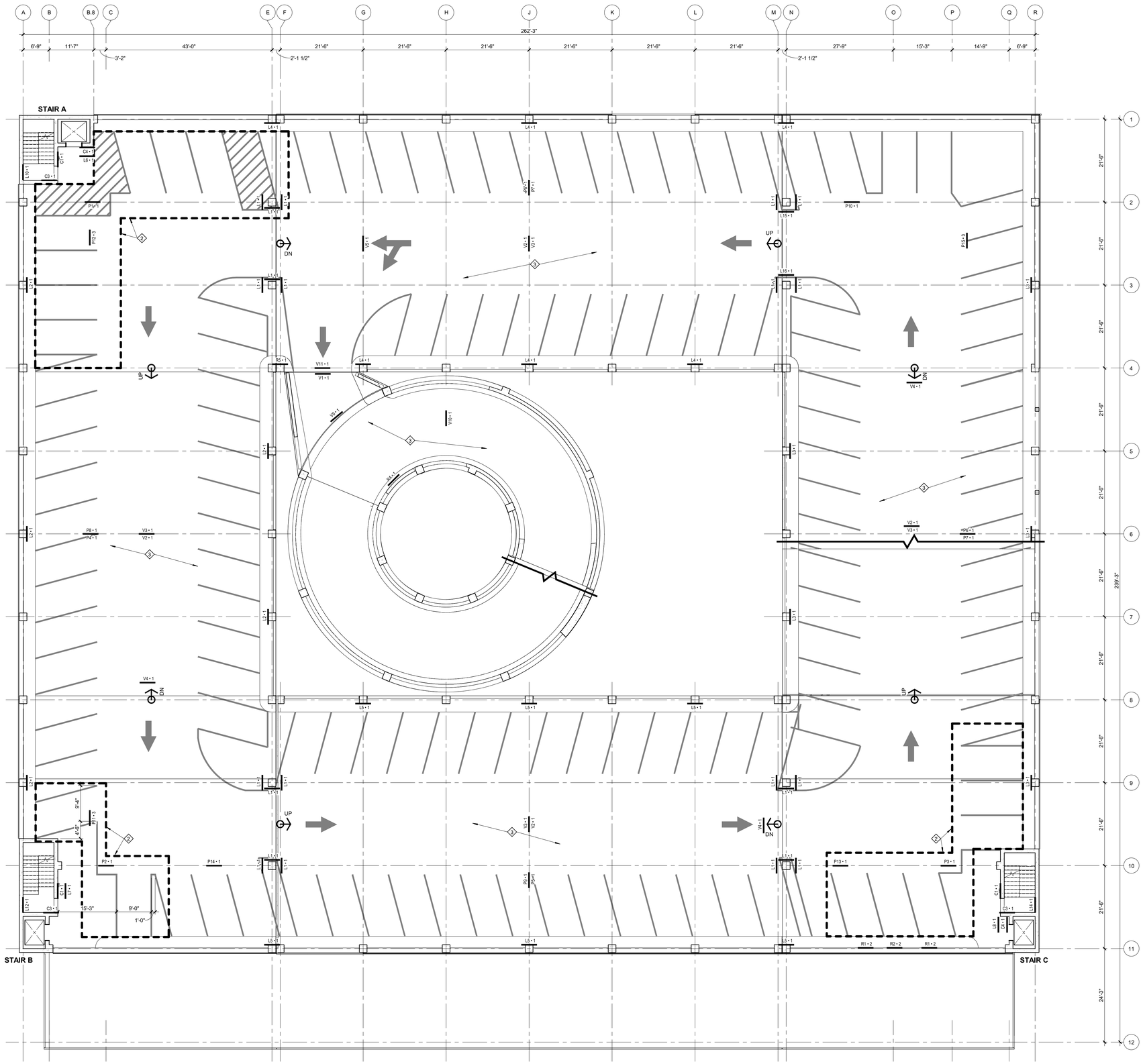
PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

LEVEL 1 PLAN

DRAWING NUMBER:

AP101

2/16/2026 12:19:14 PM



LEVEL 2 PLAN

SCALE: 3/32" = 1'-0"

NORTH

PLAN SYMBOLS

- PLAN MATCH LINE (RAMP)
- RAMP HINGE LINE - **UP** INDICATES THE SURFACE SLOPES UP. **DN** INDICATES THE SURFACE SLOPES DOWN.
- SIGN; THE FIRST SET OF CHARACTERS IS THE SIGN MARK, REFER TO SIGN LEGEND. THE SECOND DIGIT IS THE SIGN MOUNTING MARK, REFER TO SIGN MOUNTING SCHEDULE. SIGN TO BE PLACED AS SHOWN ON PLAN.
- AREA OF PROPOSED NEW PAVEMENT MARKINGS
- BARRICADES TO RESTRICT ACCESS TO ROOF LEVEL OF PARKING GARAGE, REFER TO DTL 15/SR501.

PLAN NOTES

1. FOR GENERAL NOTES AND EXPLANATION OF NOTATIONS AND ABBREVIATIONS, REFER TO SHEET SR001.
2. ALL SIGNS LOCATED AT ENTRY/EXIT SHALL BE CENTERED IN LANES, TYPICAL.
3. EXISTING PAVEMENT MARKINGS TO BE RE-PAINTED AS AS PART OF IMPROVEMENTS PROJECT. EXISTING STRIPING SHOWN ON DRAWINGS MAY NOT MATCH EXACTLY WHAT IS IN THE FIELD. IF THERE ARE ANY MAJOR DISCREPANCIES PLEASE CONTACT PROJECT ENGINEER.
4. PAVEMENT MARKING DETAILS ON SHEET AP501 ARE FOR REVISED STRIPPED AREAS AS IDENTIFIED IN THE ABOVE PLAN SYMBOLS SECTION. EXISTING STRIPING MAY VARY SLIGHTLY.
5. FOR ALL ARCHITECTURAL PARKING SCHEDULES REFER TO SHEET AP501.
6. AT SLAB-ON-GRADE LEVEL 1, REMOVE EXISTING STRIPING THAT CONFLICTS WITH NEW STRIPING SHOWN AS INDICATED BY KEY NOTE 1. FOR UPPER LEVELS, REFER TO SR-SERIES PLANS, WORK ITEM NOTE 10.

KEY NOTES

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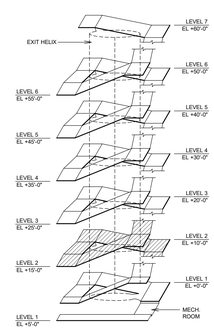
2 REMOVE ALL SIGNAGE ASSOCIATED WITH EXISTING ADA PARKING.
3 REMOVE ALL EXISTING SIGNAGE INCLUDING FIELD-PAINTED CONCRETE SIGNS.
4 WATER-FILLED BARRIER, REFER TO DTL 15/SR501



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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME: LEVEL 2 PLAN
DRAWING NUMBER: AP102

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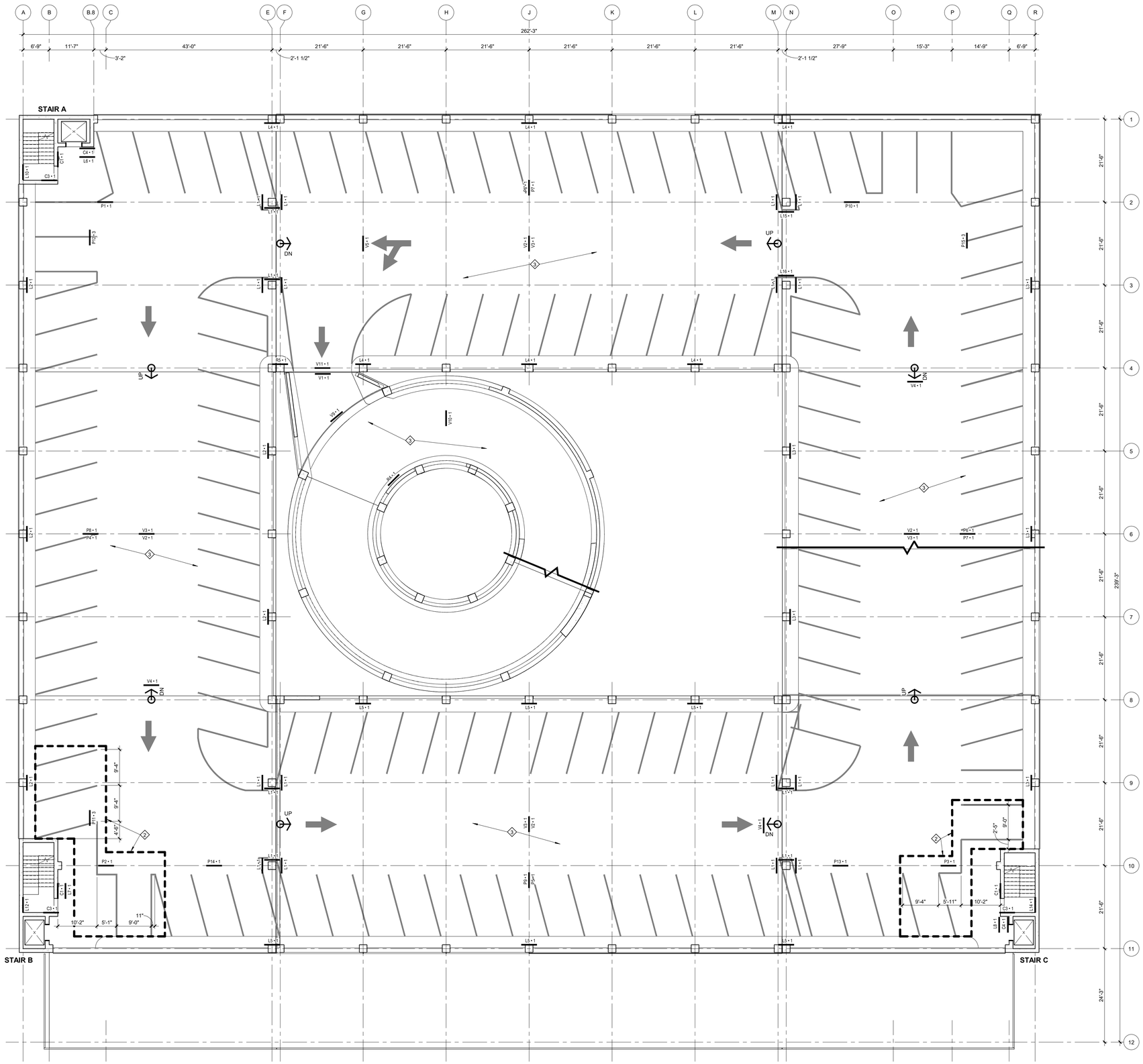

LEVEL 3 PLAN

SCALE: 3/32" = 1'-0"

NORTH

PLAN SYMBOLS

- PLAN MATCH LINE (RAMP)
- RAMP HINGE LINE - **UP** INDICATES THE SURFACE SLOPES UP. **DN** INDICATES THE SURFACE SLOPES DOWN.
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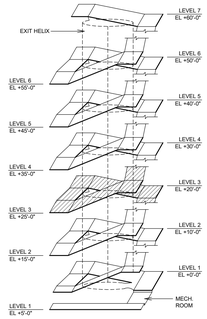

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PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME: LEVEL 3 PLAN
DRAWING NUMBER: AP103

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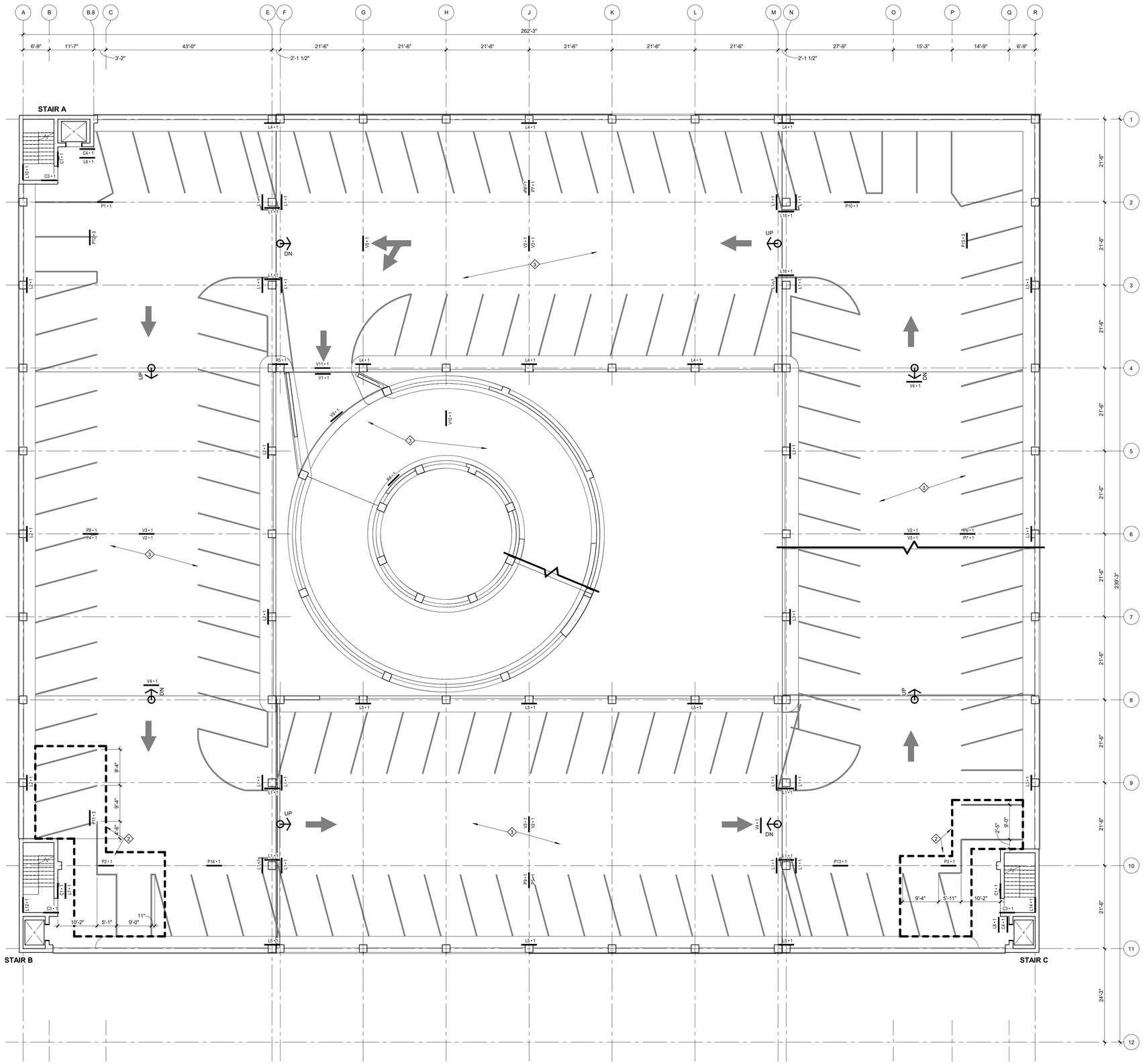

LEVEL 4 PLAN

SCALE: 3/32" = 1'-0"

NORTH

PLAN SYMBOLS

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- RAMP HINGE LINE - **UP** INDICATES THE SURFACE SLOPES UP. **DN** INDICATES THE SURFACE SLOPES DOWN.
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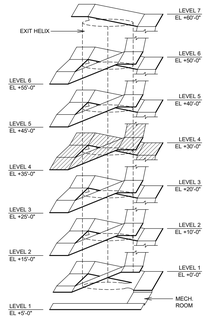

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME: LEVEL 4 PLAN
DRAWING NUMBER: AP104

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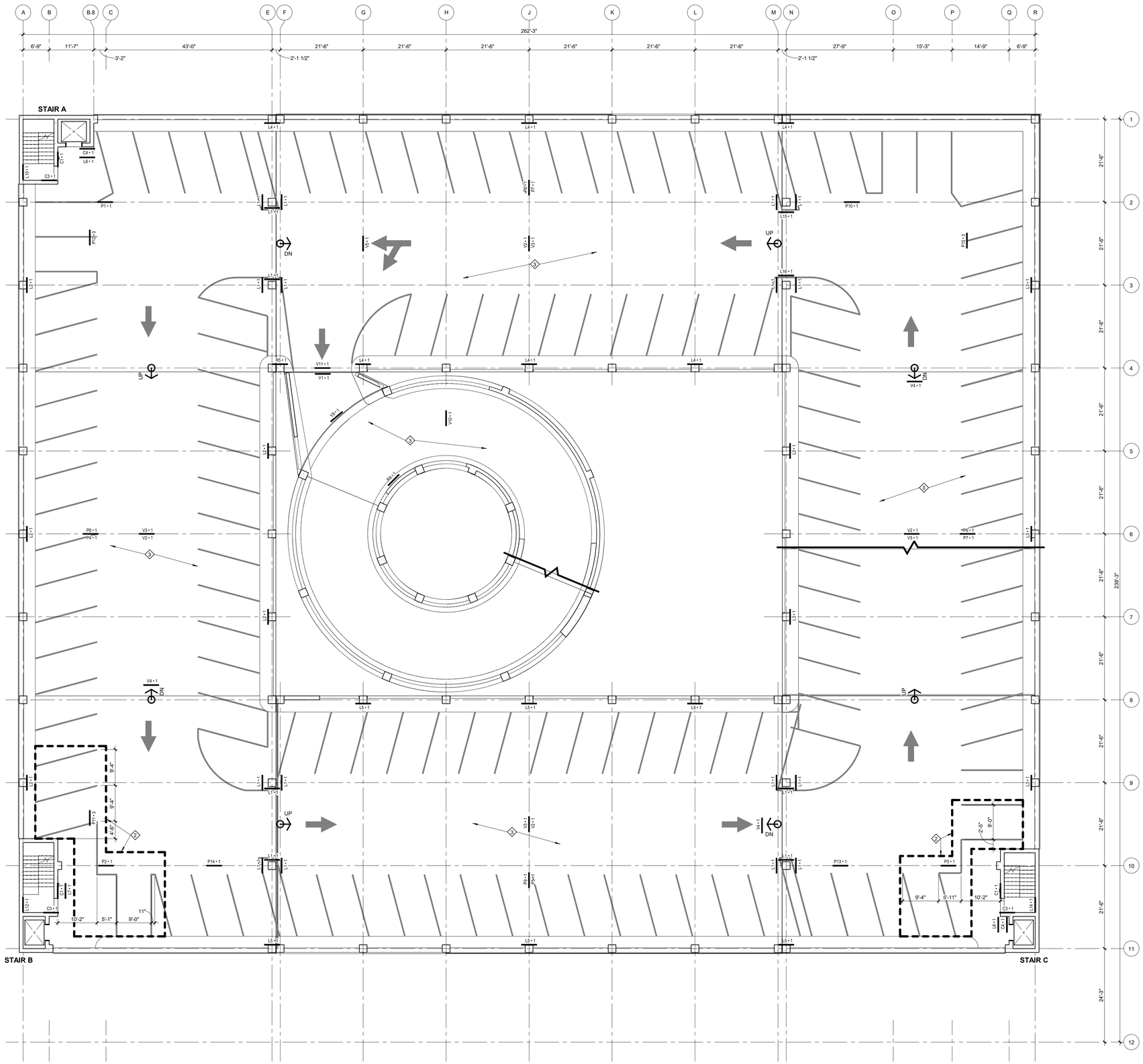

PLAN SYMBOLS

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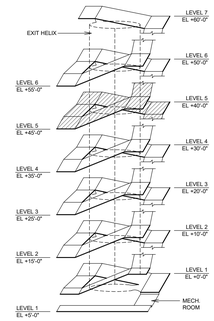
LEVEL 5 PLAN

SCALE: 3/32" = 1'-0"

NORTH



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Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME: LEVEL 5 PLAN
DRAWING NUMBER: AP105

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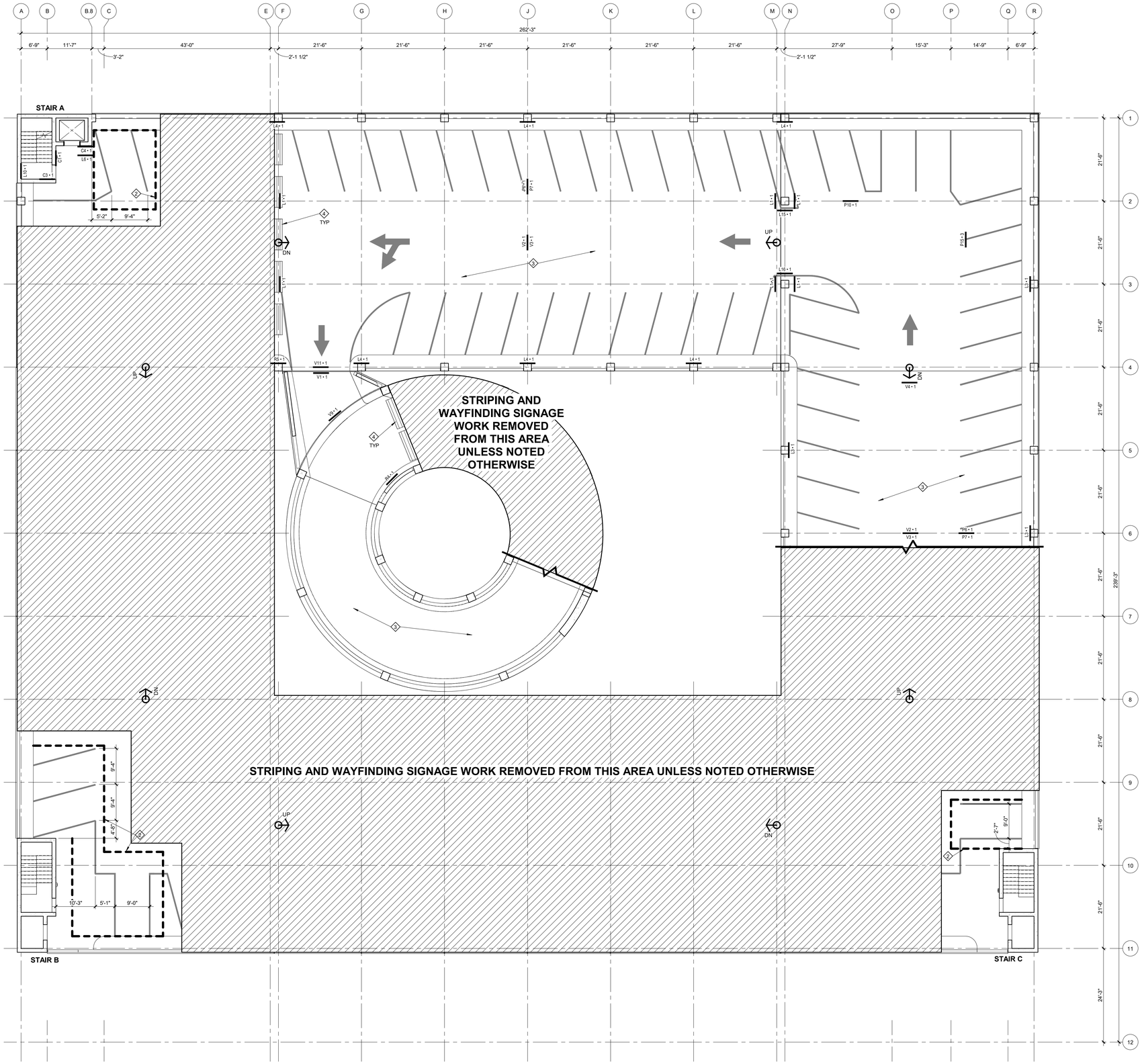

LEVEL 6 PLAN

SCALE: 3/32" = 1'-0"

NORTH

PLAN SYMBOLS

- PLAN MATCH LINE (RAMP)
- DN — RAMP HINGE LINE - **UP** INDICATES THE SURFACE SLOPES UP. **DN** INDICATES THE SURFACE SLOPES DOWN.
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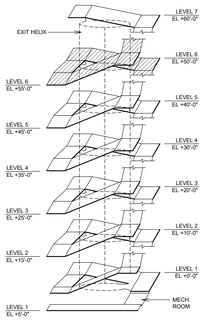

ISOMETRIC KEY PLAN

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PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

LEVEL 6 PLAN

DRAWING NUMBER:

AP106

2/16/2026 12:18:24 PM

ENTRY-EXIT SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
E1	6'-5" Clearance 6'-5"	1/AP511	6'-5"	G	
E2	[D] Do Not Enter [D]	2/AP511	6'-5"	G	
E3	Exit - Right Turn Only	3/AP511	*	B	1
E4	Exit - Left Turn Only	4/AP511	*	B	1
E5	Exit - Left Turn Only | [NR]	31/AP511	*	B	1

VEHICULAR SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
V1	[D] Do Not Enter [D]	5/AP511	*	C	1
V2	Wrong Way	6/AP511	*	C	1
V3	↑ CAUTION: One Way ↑	7/AP511	*	B	1
V4	← Park	8/AP511	*	A	1
V5	← Exit | ↑ Park	9/AP511	*	A	1
V6	↑ Park ↑	10/AP511	*	A	1
V7	Visitor Exit	11/AP511	*	A	1
V8	Monthly Exit	12/AP511	*	A	1
V9	[Y] | CAUTION: Watch for Traffic from...	13/AP511	*	B	1
V10	CAUTION: Watch for Traffic from Right	14/AP511	*	B	1
V11	Exit	15/AP511	*	A	1

PEDESTRIAN SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
P1	Stair A [T] [E]	16/AP511	*	D	1
P2	Stair B [T]	17/AP511	*	D	1
P3	Stair C [T] [E]	18/AP511	*	D	1
P4	[E] [T] Stair A ↑	19/AP511	*	D	1
P5	[T] Stair B ↑	20/AP511	*	D	1
P6	[E] [T] Stair C ↑	21/AP511	*	D	1
P7	↑ Stair A [T] [E]	22/AP511	*	D	1
P8	↑ Stair B [T]	23/AP511	*	D	1
P9	↑ Stair C [T] [E]	24/AP511	*	D	1
P10	← Stair A [T] [E]	25/AP511	*	D	1
P11	[E] [T] Stair A →	26/AP511	*	D	1
P12	← Stair B [T]	27/AP511	*	D	1
P13	[T] Stair B →	28/AP511	*	D	1
P14	← Stair C [T] [E]	29/AP511	*	D	1
P15	[E] [T] Stair C →	30/AP511	*	D	1

LEVEL & ZONE SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
L1	Level Sign	1/AP512	5'-0"	E	
L2	Zone Sign - West	2/AP512	5'-0"	E	
L3	Zone Sign - East	3/AP512	5'-0"	E	
L4	Zone Sign - North	4/AP512	5'-0"	E	
L5	Zone Sign - South	5/AP512	5'-0"	E	
L6	Level Sign - Stair A	6/AP512	*	E	3
L7	Level Sign - Stair B	7/AP512	*	E	3
L8	Level Sign - Stair C	8/AP512	*	E	3
L9	Stair Level Egress Sign - Discharge - Stair A	9/AP512	5'-0"	E	
L10	Stair Level Egress Sign - Down - Stair A	10/AP512	5'-0"	E	
L11	Stair Level Egress Sign - Discharge - Stair B	11/AP512	5'-0"	E	
L12	Stair Level Egress Sign - Down - Stair B	12/AP512	5'-0"	E	
L13	Stair Level Egress Sign - Discharge - Stair C	13/AP512	5'-0"	E	
L14	Stair Level Egress Sign - Down - Stair C	14/AP512	5'-0"	E	
L15	Level Transition (North side)	15/AP512	3'-0"	E	
L16	Level Transition (South side)	16/AP512	3'-0"	E	

REGULATORY SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
R1	[A] Accessible Space	1/AP513	5'-0"	F	
R2	No Parking ANYTIME	2/AP513	5'-0"	F	
R3	No Parking	3/AP513	5'-0"	F	
R4	One Way	4/AP513	5'-0"	F	2
R5	CAUTION: No Pedestrians on Ramp	5/AP513	5'-0"	E	
R6	NO LOITERING ON THIS PROPERTY	6/AP513	5'-0"	E	
R7	BICYCLES AND SKATEBOARDS PROHIBITED	7/AP513	3'-0"	E	
R8	CAUTION: No Pedestrians on Traffic Lanes	15/AP513	5'-0"	E	

CODE SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
C1	Exit Stair (Braille)	8/AP513	4'-0"	H	
C2	Stair (Braille)	9/AP513	4'-0"	H	
C3	Level (Braille)	10/AP513	4'-0"	H	
C4	In Case of Fire...(DOWN)	11/AP513	*	E	3
C5	NOT USED				
C6	Live Load Sign	13/AP513	4'-0"	E	
C7	Exit (Braille)	14/AP513	4'-0"	H	

SIGN LEGEND NOTES:

1 - SIGN MOUNTING HEIGHT IS 1" ABOVE BOTTOM OF BEAM. IF SWING FRAME USED, MINIMUM MOUNTING HEIGHT IS 6'-8" TO BOTTOM OF SIGN.

2 - SIGN MOUNTING HEIGHT IS 1" BELOW TOP OF WALL

3 - REFER TO ENLARGED ELEVATIONS FOR SIGN MOUNTING HEIGHT.

KEY NOTES

1 IN CASE OF FIRE SIGN - C4
2 STAIR LEVEL SIGN - L6, L7, OR L8
3 BRAILLE STAIR SIGN - C1 AND C2
4 BRAILLE EXIT SIGN - C7

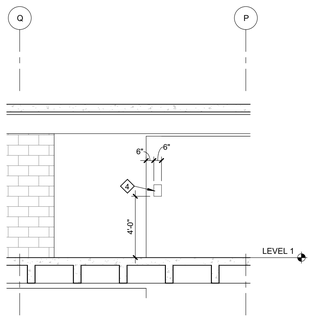
SYMBOL LEGEND

NOTE - FOR ALL GRAPHICAL SYMBOL INFORMATION REFER TO 7/AP501

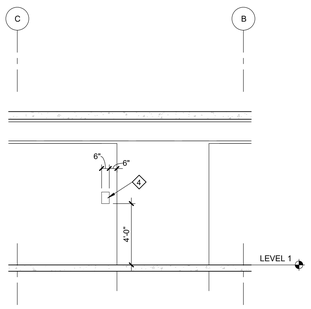
DESIGNATION	SYMBOL
[A]	ACCESSIBLE
[E]	ELEVATOR
[T]	STAIR
[Y]	YIELD
[D]	DO NOT ENTER
[NR]	NO RIGHT TURN

SIGN MOUNTING LEGEND

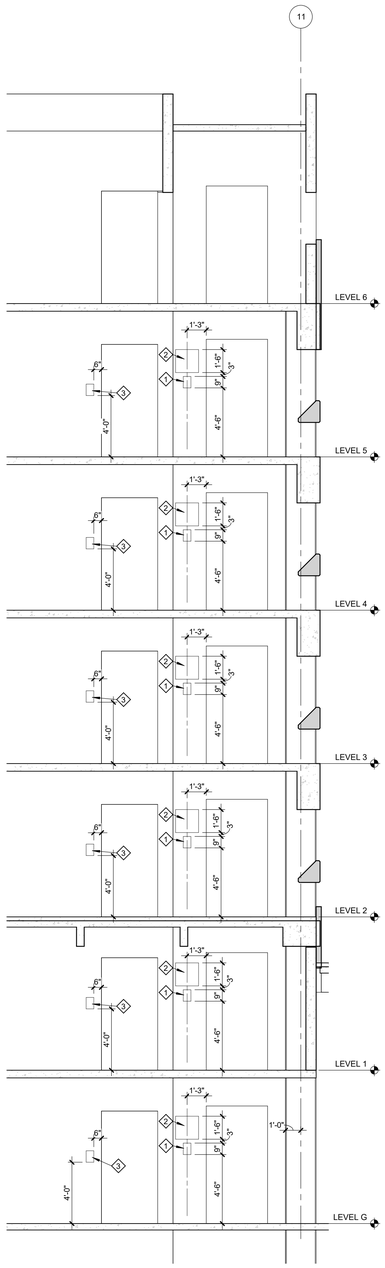
MARK	TYPE	DETAIL
1	WALL/COLUMN/BEAM	1/AP521
2	INVERTED SIGN POST	2/AP521
3	SWING FRAME	3/AP521
4	SPANDREL MOUNT	4/AP521
5	CLEARANCE BAR MOUNT	5/AP521



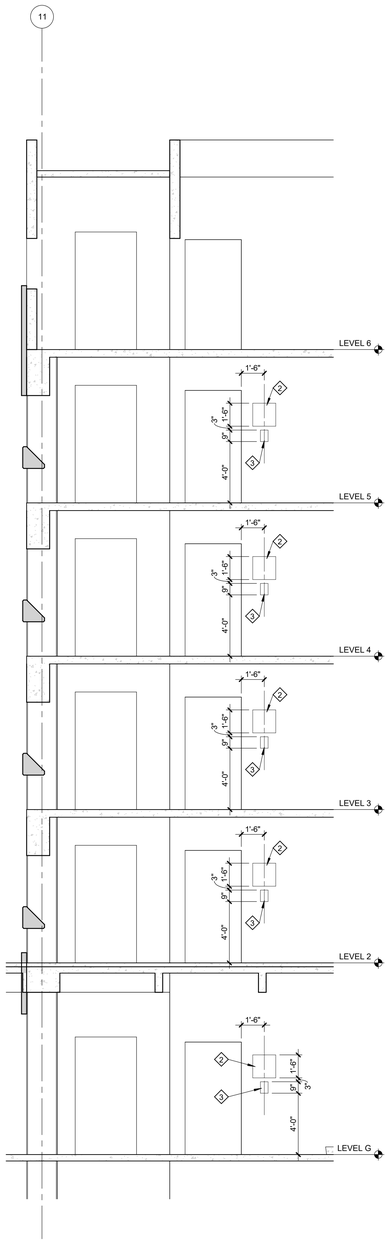
ELEVATION
6 LEVEL 1 - SOUTHEAST GRID 9
SCALE: 1/4" = 1'-0"



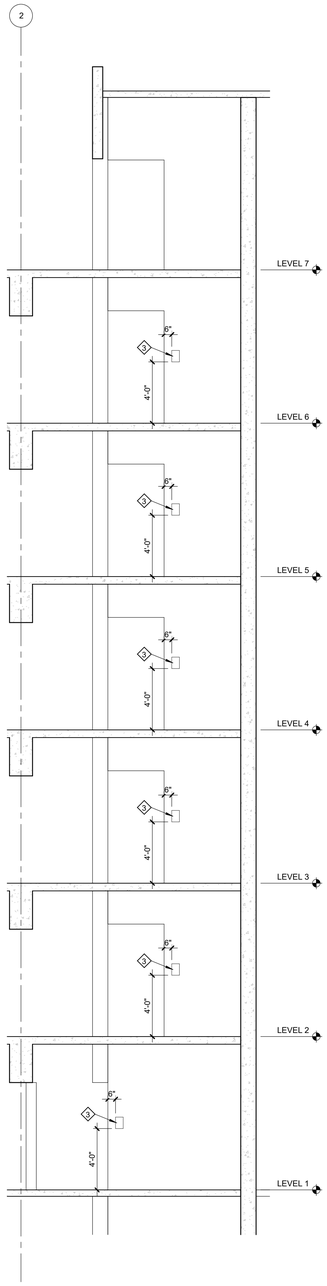
ELEVATION
5 LEVEL 1 - SOUTHWEST GRID 9
SCALE: 1/4" = 1'-0"



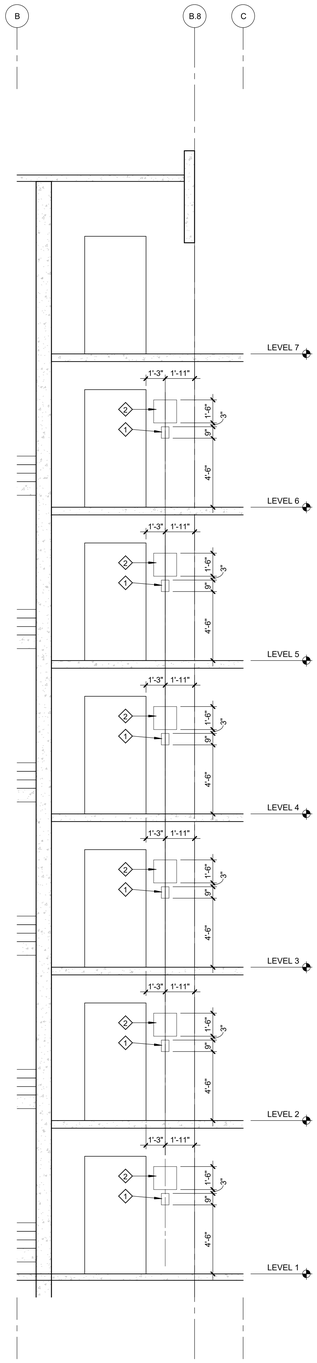
ELEVATION
4 ELEVATOR AND STAIR SIGNS - STAIR C
SCALE: 1/4" = 1'-0"



ELEVATION
3 STAIR SIGNS - STAIR B
SCALE: 1/4" = 1'-0"



ELEVATION
2 STAIR SIGNS - STAIR A
SCALE: 1/4" = 1'-0"



ELEVATION
1 ELEVATOR SIGNS - STAIR A
SCALE: 1/4" = 1'-0"

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

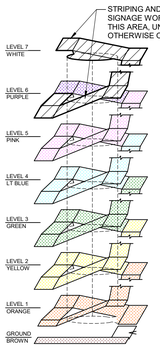
PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

SIGN ELEVATIONS

DRAWING NUMBER:

AP301

2/16/2026 12:19:26 PM



COLOR CHART

OVERHEAD SIGNAGE		
DESCRIPTION	BACKGROUND COLOR	COPY COLOR
VEHICULAR (TYPE A)	WHITE	BLACK
VEHICULAR (TYPE B)	YELLOW	BLACK
VEHICULAR (TYPE C)	RED	WHITE
PEDESTRIAN (TYPE D)	BLACK	WHITE

COLOR BY LEVEL		
DESCRIPTION	BACKGROUND COLOR	COPY COLOR
LEVEL 6	PURPLE	WHITE
LEVEL 5	PINK	BLACK
LEVEL 4	LIGHT BLUE	BLACK
LEVEL 3	GREEN	WHITE
LEVEL 2	YELLOW	BLACK
LEVEL 1	ORANGE	BLACK
GROUND	BROWN	WHITE

8 LEVEL COLOR ISOMETRIC KEY PLAN

SCALE: 12" = 1'-0"

ENTRY-EXIT SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
E1	6'-5" Clearance 6'-5"	1/AP511	6'-5"	G	
E2	[D] Do Not Enter [D]	2/AP511	6'-5"	G	
E3	Exit - Right Turn Only	3/AP511	"	B	1
E4	Exit - Left Turn Only	4/AP511	"	B	1
E5	Exit - Left Turn Only | [NR]	31/AP511	"	B	1

VEHICULAR SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
V1	[D] Do Not Enter [D]	5/AP511	"	C	1
V2	Wrong Way	6/AP511	"	C	1
V3	↑ CAUTION: One Way ↑	7/AP511	"	B	1
V4	← Park	8/AP511	"	A	1
V5	← Exit | ↑ Park	9/AP511	"	A	1
V6	↑ Park ↑	10/AP511	"	A	1
V7	Visitor Exit	11/AP511	"	A	1
V8	Monthly Exit	12/AP511	"	A	1
V9	[Y] | CAUTION: Watch for Traffic from...	13/AP511	"	B	1
V10	CAUTION: Watch for Traffic from Right	14/AP511	"	B	1
V11	Exit	15/AP511	"	A	1

PEDESTRIAN SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
P1	Stair A [T] [E]	16/AP511	"	D	1
P2	Stair B [T]	17/AP511	"	D	1
P3	Stair C [T] [E]	18/AP511	"	D	1
P4	[E] [T] Stair A ↑	19/AP511	"	D	1
P5	[T] Stair B ↑	20/AP511	"	D	1
P6	[E] [T] Stair C ↑	21/AP511	"	D	1
P7	↑ Stair A [T] [E]	22/AP511	"	D	1
P8	↑ Stair B [T]	23/AP511	"	D	1
P9	↑ Stair C [T] [E]	24/AP511	"	D	1
P10	← Stair A [T] [E]	25/AP511	"	D	1
P11	[E] [T] Stair A →	26/AP511	"	D	1
P12	← Stair B [T]	27/AP511	"	D	1
P13	[T] Stair B →	28/AP511	"	D	1
P14	← Stair C [T] [E]	29/AP511	"	D	1
P15	[E] [T] Stair C →	30/AP511	"	D	1

LEVEL & ZONE SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
L1	Level Sign	1/AP512	5'-0"	E	
L2	Zone Sign - West	2/AP512	5'-0"	E	
L3	Zone Sign - East	3/AP512	5'-0"	E	
L4	Zone Sign - North	4/AP512	5'-0"	E	
L5	Zone Sign - South	5/AP512	5'-0"	E	
L6	Level Sign - Stair A	6/AP512	"	E	3
L7	Level Sign - Stair B	7/AP512	"	E	3
L8	Level Sign - Stair C	8/AP512	"	E	3
L9	Stair Level Egress Sign - Discharge - Stair A	9/AP512	5'-0"	E	
L10	Stair Level Egress Sign - Down - Stair A	10/AP512	5'-0"	E	
L11	Stair Level Egress Sign - Discharge - Stair B	11/AP512	5'-0"	E	
L12	Stair Level Egress Sign - Down - Stair B	12/AP512	5'-0"	E	
L13	Stair Level Egress Sign - Discharge - Stair C	13/AP512	5'-0"	E	
L14	Stair Level Egress Sign - Down - Stair C	14/AP512	5'-0"	E	
L15	Level Transition (North side)	15/AP512	3'-0"	E	
L16	Level Transition (South side)	16/AP512	3'-0"	E	

REGULATORY SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
R1	[A] Accessible Space	1/AP513	5'-0"	F	
R2	No Parking ANYTIME	2/AP513	5'-0"	F	
R3	No Parking	3/AP513	5'-0"	F	
R4	One Way	4/AP513	5'-0"	F	2
R5	CAUTION: No Pedestrians on Ramp	5/AP513	5'-0"	E	
R6	NO LOITERING ON THIS PROPERTY	6/AP513	5'-0"	E	
R7	BICYCLES AND SKATEBOARDS PROHIBITED	7/AP513	3'-6"	E	
R8	CAUTION: No Pedestrians on Traffic Lanes	15/AP513	5'-0"	E	

CODE SIGNS					
MARK	MESSAGE	DETAIL	MT HT	TYPE	NOTES
C1	Exit Stair (Braille)	8/AP513	4'-0"	H	
C2	Stair (Braille)	9/AP513	4'-0"	H	
C3	Level (Braille)	10/AP513	4'-0"	H	
C4	In Case of Fire...(DOWN)	11/AP513	"	E	3
C5	NOT USED				
C6	Live Load Sign	13/AP513	4'-0"	E	
C7	Exit (Braille)	14/AP513	4'-0"	H	

SIGN LEGEND NOTES:

1 - SIGN MOUNTING HEIGHT IS 1" ABOVE BOTTOM OF BEAM. IF SWING FRAME USED, MINIMUM MOUNTING HEIGHT IS 6'-8" TO BOTTOM OF SIGN.

2 - SIGN MOUNTING HEIGHT IS 1" BELOW TOP OF WALL

3 - REFER TO ENLARGED ELEVATIONS FOR SIGN MOUNTING HEIGHT.

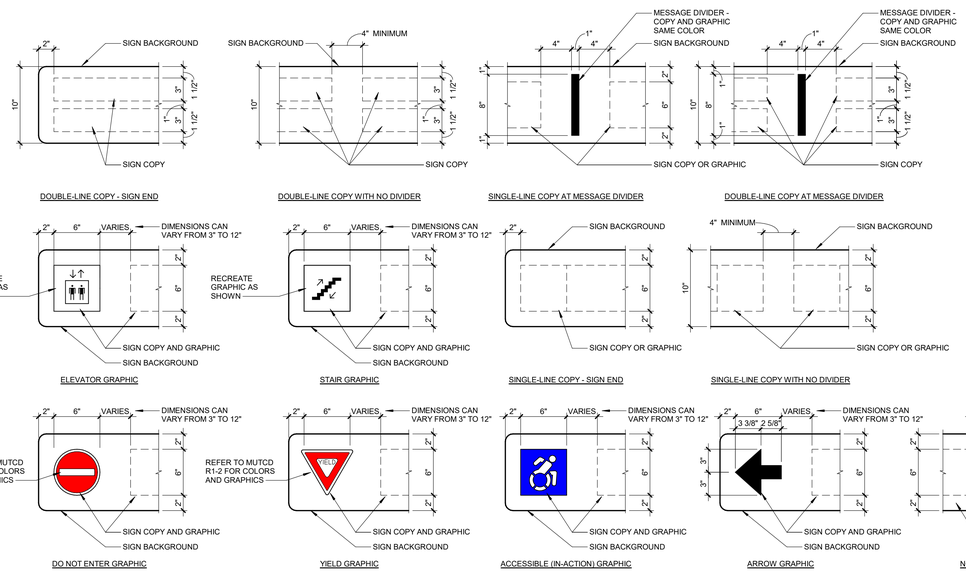
SYMBOL LEGEND

NOTE - FOR ALL GRAPHICAL SYMBOL INFORMATION REFER TO 7/AP501

DESIGNATION	SYMBOL
[A]	ACCESSIBLE
[E]	ELEVATOR
[T]	STAIR
[Y]	YIELD
[D]	DO NOT ENTER
[NR]	NO RIGHT TURN

SIGN MOUNTING LEGEND

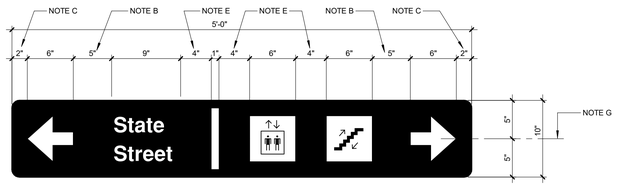
MARK	TYPE	DETAIL
1	WALL/COLUMN/BEAM	1/AP521
2	INVERTED SIGN POST	2/AP521
3	SWING FRAME	3/AP521
4	SPANDREL MOUNT	4/AP521
5	CLEARANCE BAR MOUNT	5/AP521

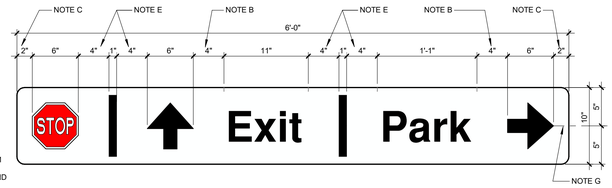


7 GRAPHIC COMPONENT DETAILS

SCALE: 1 1/2" = 1'-0"

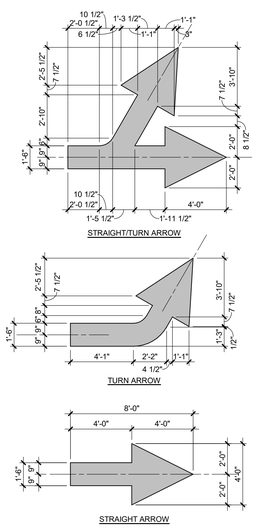
EXAMPLE SIGNS - THESE SIGN ARE NOT IN THE PROJECT





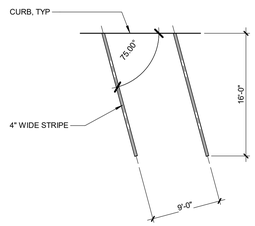
DESIGN NOTES:

A. OVERHEAD SIGNS SHALL BE NO LESS THAN 3'-0" IN LENGTH. LENGTH OF SIGN SHOULD BE INCREMENTS OF 6" - NO ODD DIMENSIONED SIGN LENGTHS.
B. DISTANCE BETWEEN SYMBOL AND COPY CAN VARY TO ENSURE SIGN LENGTH CAN BE KEPT IN INCREMENTS OF 6".
C. END OF SIGN TO GRAPHIC/COPY TO BE 2".
D. MESSAGE DIVIDERS ARE 1" X 8". HOLD TOP AND BOTTOM OF DIVIDERS 1" FROM TOP AND BOTTOM OF SIGN.
E. HOLD COPY/GRAPHICS 4" AWAY HORIZONTALLY FROM DIVIDERS AND THEMSELVES.
F. ALL OVERHEAD SIGN COPY TO BE 3" OR 6" IN HEIGHT.
G. COPY AND GRAPHICS TO BE CENTERED ACROSS THE HEIGHT OF THE SIGN.
H. ALL SYMBOLS ARE 6' X 6" DIMENSIONALLY.



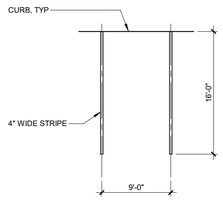
6 PAVEMENT MARKING DETAIL

SCALE: 1/4" = 1'-0"



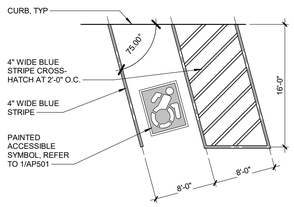
5 PAVEMENT MARKING DETAIL

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



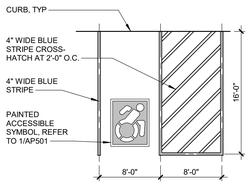
4 PAVEMENT MARKING DETAIL

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



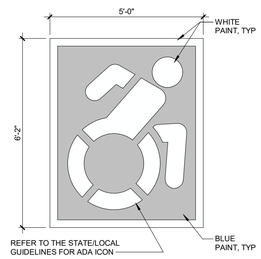
3 PAVEMENT MARKING DETAIL

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



2 PAVEMENT MARKING DETAIL

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



1 PAVEMENT MARKING DETAIL

SCALE: 1/2" = 1'-0"

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

FUNCTIONAL DETAILS AND SCHEDULES

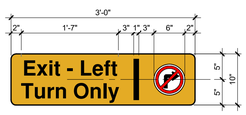
DRAWING NUMBER:

AP501

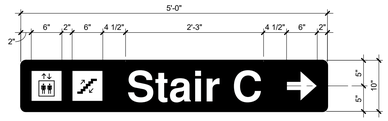
2/16/2026 12:18:27 PM

SHEET NOTES

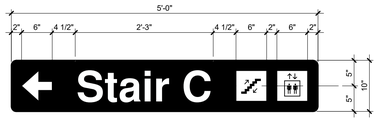
1. REFER TO SHEET AP501 FOR SIGNAGE LEGEND.
2. REFER TO PLAN AND ELEVATION SHEETS (AP101-AP107, AP301) FOR SIGN LOCATIONS.
3. REFER TO COLOR CHART FOR SIGN BACKGROUND COLOR, UNLESS NOTED IN DETAIL.
4. REFER TO COLOR CHART FOR SIGN COPY COLOR, UNLESS NOTED IN DETAIL.
5. REFER TO SPECIFICATIONS FOR THE SIGN TYPE AS CALLED OUT IN THE SIGN LEGEND. THIS FURTHER DEFINES COLOR, MATERIALS, FABRICATION AND INSTALLATION.
6. REFER TO SIGN COMPONENT DETAILS FOR TYPICAL SYMBOL DIMENSIONS, COLORS, AND GRAPHICS.
7. REFER TO LEGEND FOR SIGN MOUNTING HEIGHT, UNLESS NOTED OTHERWISE ON PLANS.
8. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



31 SIGN DETAIL
SCALE: 1" = 1'-0"



30 SIGN DETAIL
SCALE: 1" = 1'-0"



29 SIGN DETAIL
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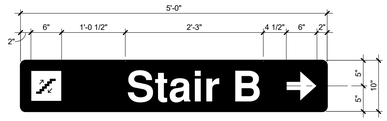

28 SIGN DETAIL
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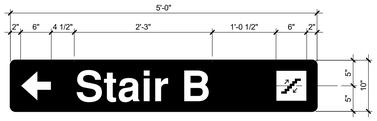

27 SIGN DETAIL
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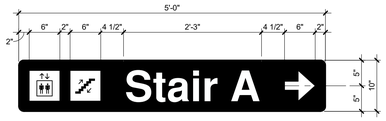

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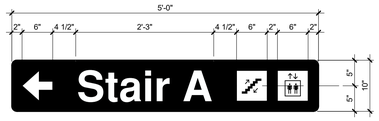

25 SIGN DETAIL
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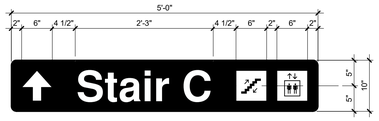

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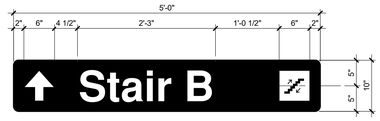

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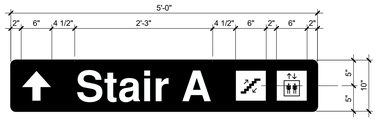

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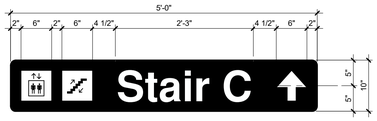

21 SIGN DETAIL
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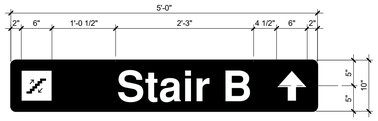

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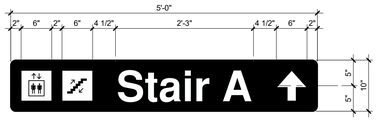

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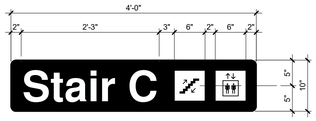

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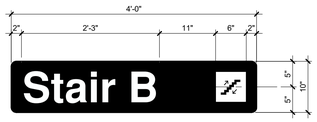

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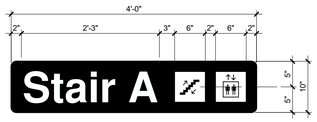

16 SIGN DETAIL
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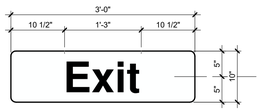

15 SIGN DETAIL
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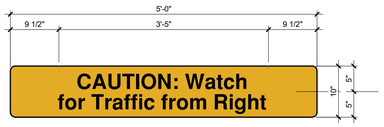

14 SIGN DETAIL
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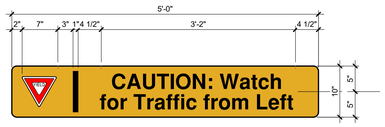

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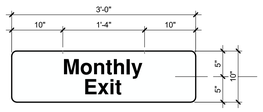

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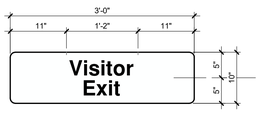

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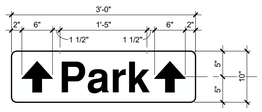

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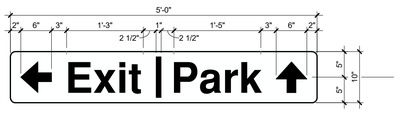

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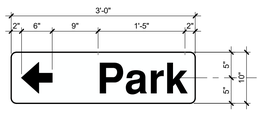

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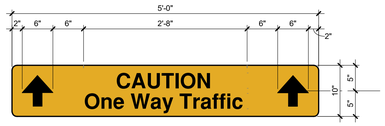

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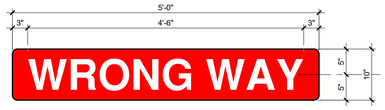

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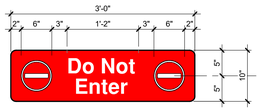

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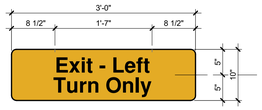

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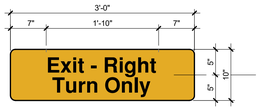

3 SIGN DETAIL
SCALE: 1" = 1'-0"

NOTES:

1. BLACK PVC PIPE WITH END CAPS.
2. WHITE AND RED FOR SIGN COPY AND GRAPHIC COLOR.
3. REFER TO SIGN COMPONENT DETAILS FOR TYPICAL SYMBOL DIMENSIONS, COLORS, AND GRAPHICS.
4. REFER TO LEGEND FOR SIGN MOUNTING HEIGHT, UNLESS NOTED OTHERWISE ON PLANS.
5. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

2 SIGN DETAIL
SCALE: 1" = 1'-0"

NOTES:

1. BLACK PVC PIPE WITH END CAPS.
2. WHITE FOR SIGN COPY COLOR.
3. REFER TO SIGN COMPONENT DETAILS FOR TYPICAL SYMBOL DIMENSIONS, COLORS, AND GRAPHICS.
4. REFER TO LEGEND FOR SIGN MOUNTING HEIGHT, UNLESS NOTED OTHERWISE ON PLANS.
5. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

1 SIGN DETAIL
SCALE: 1" = 1'-0"

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

SIGN DETAILS

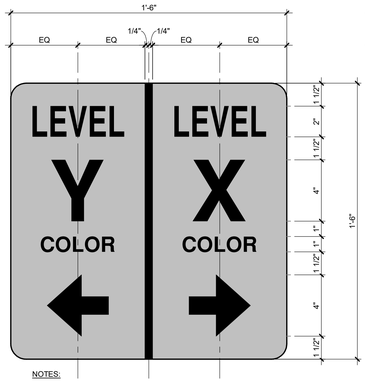
DRAWING NUMBER:

AP511

2/16/2026 12:19:28 PM

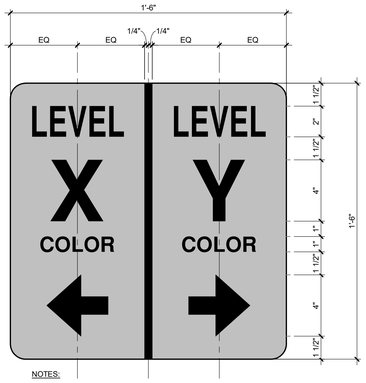
SHEET NOTES

1. REFER TO SHEET AP501 FOR SIGNAGE LEGEND.
2. REFER TO PLAN AND ELEVATION SHEETS (AP101-AP107, AP301) FOR SIGN LOCATIONS.
3. REFER TO COLOR CHART FOR SIGN BACKGROUND COLOR, UNLESS NOTED IN DETAIL.
4. REFER TO COLOR CHART FOR SIGN COPY COLOR, UNLESS NOTED IN DETAIL.
5. REFER TO SPECIFICATIONS FOR THE SIGN TYPE AS CALLED OUT IN THE SIGN LEGEND. THIS FURTHER DEFINES COLOR, MATERIALS, FABRICATION AND INSTALLATION.
6. REFER TO SIGN COMPONENT DETAILS FOR TYPICAL SYMBOL DIMENSIONS, COLORS, AND GRAPHICS.
7. REFER TO LEGEND FOR SIGN MOUNTING HEIGHT, UNLESS NOTED OTHERWISE ON PLANS.
8. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



NOTES:
1. SIGN DETAIL NOT SHOWN WITH DESIGNED COLORS, REFER TO COLOR CHART, LEVEL COLOR ISOMETRIC KEY AND PLAN LOCATIONS FOR ACTUAL SIGN COLORS.
2. "COLOR" ON BOTTOM LINE SHOULD BE REPLACED WITH COLOR DESCRIBED IN THE COLOR CHART FOR THE APPROPRIATE LEVEL.

16 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:
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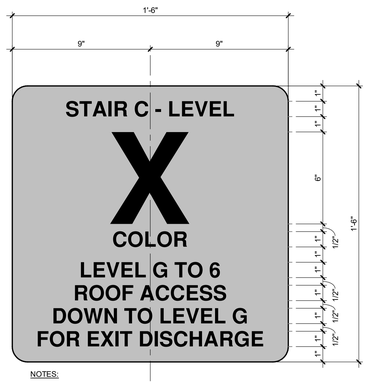
2. "COLOR" ON BOTTOM LINE SHOULD BE REPLACED WITH COLOR DESCRIBED IN THE COLOR CHART FOR THE APPROPRIATE LEVEL.

15 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:
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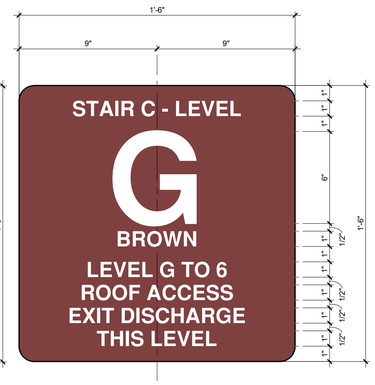
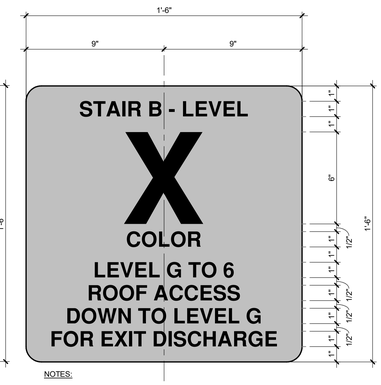
SCALE: 3" = 1'-0"



13 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:
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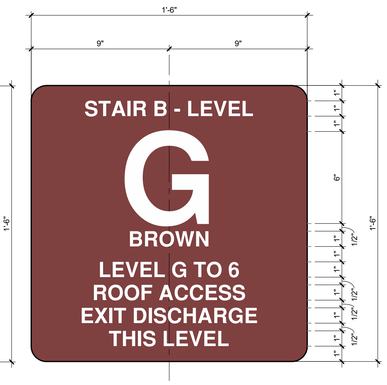
12 SIGN DETAIL
SCALE: 3" = 1'-0"



11 SIGN DETAIL
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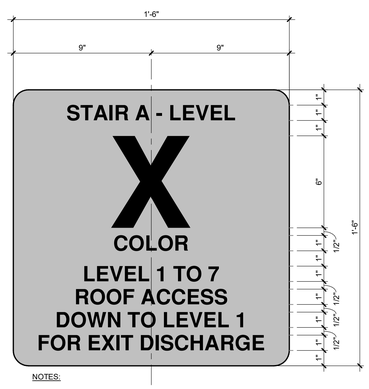

NOTES:
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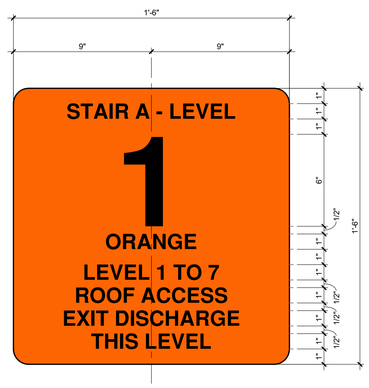
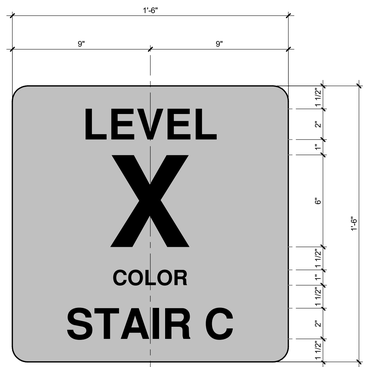
10 SIGN DETAIL
SCALE: 3" = 1'-0"



9 SIGN DETAIL
SCALE: 3" = 1'-0"



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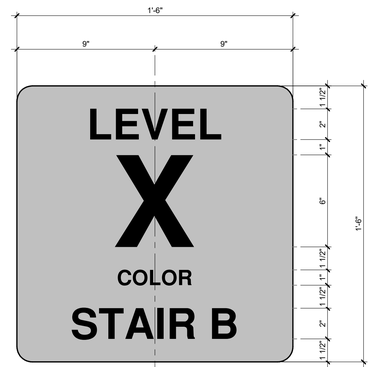
8 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:
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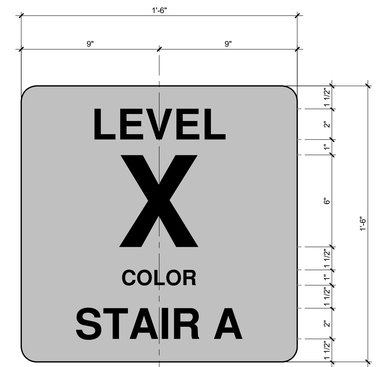
7 SIGN DETAIL
SCALE: 3" = 1'-0"



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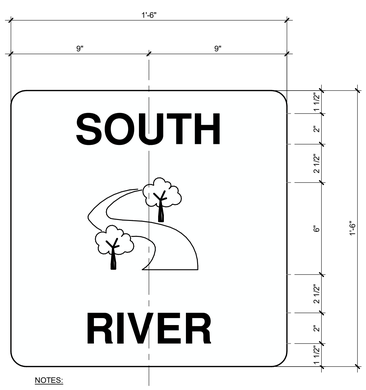
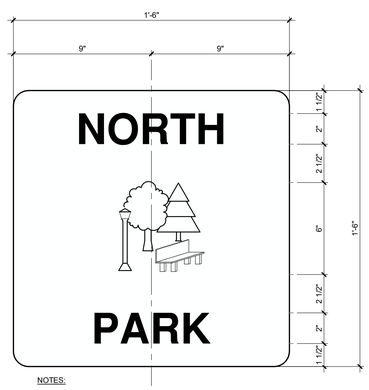
6 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:
1. SIGN BACKGROUND IS WHITE.
2. SIGN COPY AND GRAPHIC IS BLACK.
3. ICON TO BE APPROXIMATELY 6" X 6".
4. COPY AND GRAPHICS TO BE CENTERED ON SIGN FACE.

5 SIGN DETAIL
SCALE: 3" = 1'-0"



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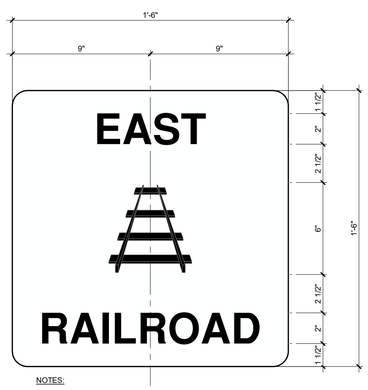
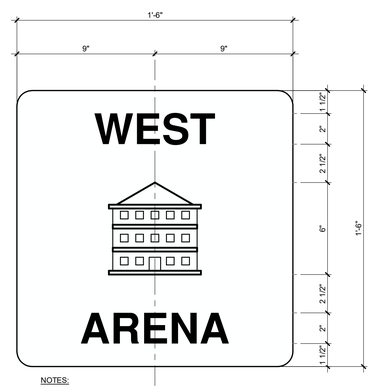
4 SIGN DETAIL
SCALE: 3" = 1'-0"



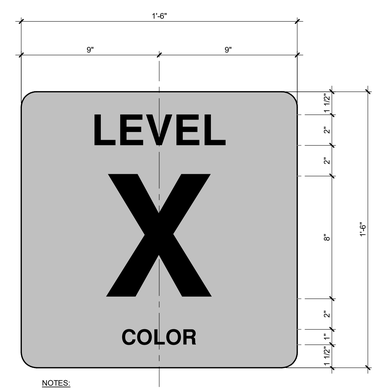
NOTES:
1. SIGN BACKGROUND IS WHITE.
2. SIGN COPY AND GRAPHIC IS BLACK.
3. ICON TO BE APPROXIMATELY 6" X 6".
4. COPY AND GRAPHICS TO BE CENTERED ON SIGN FACE.

3 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:
1. SIGN BACKGROUND IS WHITE.
2. SIGN COPY AND GRAPHIC IS BLACK.
3. ICON TO BE APPROXIMATELY 6" X 6".
4. COPY AND GRAPHICS TO BE CENTERED ON SIGN FACE.

2 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:
1. SIGN DETAIL NOT SHOWN WITH DESIGNED COLORS, REFER TO COLOR CHART, LEVEL COLOR ISOMETRIC KEY AND PLAN LOCATIONS FOR ACTUAL SIGN COLORS.
2. "COLOR" ON BOTTOM LINE SHOULD BE REPLACED WITH COLOR DESCRIBED IN THE COLOR CHART FOR THE APPROPRIATE LEVEL.

1 SIGN DETAIL
SCALE: 3" = 1'-0"

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
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REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

SIGN DETAILS

DRAWING NUMBER:

AP512

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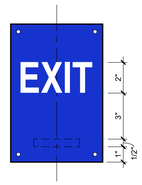
SHEET NOTES

1. REFER TO SHEET AP501 FOR SIGNAGE LEGEND.
2. REFER TO PLAN AND ELEVATION SHEETS (AP101-AP107, AP301) FOR SIGN LOCATIONS.
3. REFER TO COLOR CHART FOR SIGN BACKGROUND COLOR, UNLESS NOTED IN DETAIL.
4. REFER TO COLOR CHART FOR SIGN COPY COLOR, UNLESS NOTED IN DETAIL.
5. REFER TO SPECIFICATIONS FOR THE SIGN TYPE AS CALLED OUT IN THE SIGN LEGEND. THIS FURTHER DEFINES COLOR, MATERIALS, FABRICATION AND INSTALLATION.
6. REFER TO SIGN COMPONENT DETAILS FOR TYPICAL SYMBOL DIMENSIONS, COLORS, AND GRAPHICS.
7. REFER TO LEGEND FOR SIGN MOUNTING HEIGHT, UNLESS NOTED OTHERWISE ON PLANS.
8. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

NOTES:

1. SIGN BACKGROUND AND "CAUTION" TEXT COLOR O BE YELLOW.
2. SIGN COPY AND GRAHPIC COLOR TO BE BLACK AND RED.

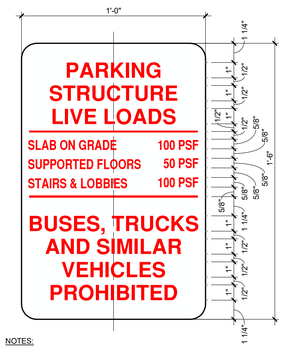
15 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:

1. SIGN BACKGROUND COLOR TO BE BLUE.
2. RAISED SIGN COPY AND GRAPHIC COLOR TO BE WHITE.
3. STANDARD GRADE II VARIANT BRAILLE TO BE USED.
4. CENTER GRAPHICS, COPY, AND BRAILLE ON WIDTH OF SIGN.

14 SIGN DETAIL
SCALE: 3" = 1'-0"



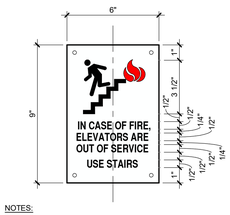
NOTES:

1. SIGN BACKGROUND COLOR TO BE WHITE.
2. SIGN COPY COLOR TO BE RED.
3. CENTER COPY ON WIDTH OF SIGN.

13 SIGN DETAIL
SCALE: 3" = 1'-0"

DETAIL NOT USED

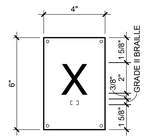
12 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:

1. SIGN BACKGROUND COLOR TO BE WHITE.
2. RAISED SIGN COPY AND GRAPHIC COLOR TO BE BLACK AND RED (FLAMES).
3. CENTER GRAPHICS AND COPY ON WIDTH OF SIGN.

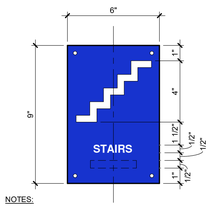
11 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:

1. SIGN BACKGROUND COLOR, REFER TO COLOR CHART.
2. RAISED SIGN COPY, REFER TO COLOR CHART.
3. STANDARD GRADE II VARIANT BRAILLE TO BE USED.
4. CENTER GRAPHICS, COPY, AND BRAILLE ON WIDTH OF SIGN.

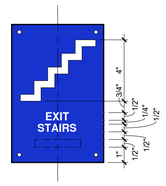
10 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:

1. SIGN BACKGROUND COLOR TO BE BLUE.
2. RAISED SIGN COPY AND GRAPHIC COLOR TO BE WHITE.
3. STANDARD GRADE II VARIANT BRAILLE TO BE USED.
4. CENTER GRAPHICS, COPY, AND BRAILLE ON WIDTH OF SIGN.

9 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:

1. SIGN BACKGROUND COLOR TO BE BLUE.
2. RAISED SIGN COPY AND GRAPHIC COLOR TO BE WHITE.
3. STANDARD GRADE II VARIANT BRAILLE TO BE USED.
4. CENTER GRAPHICS, COPY, AND BRAILLE ON WIDTH OF SIGN.

8 SIGN DETAIL
SCALE: 3" = 1'-0"

NOTES:

1. SIGN BACKGROUND COLOR WHITE.
2. SIGN COPY AND BORDER COLOR RED.

7 SIGN DETAIL
SCALE: 3" = 1'-0"

NOTES:

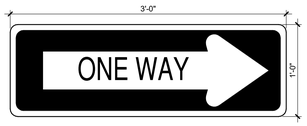
1. SIGN BACKGROUND COLOR WHITE.
2. SIGN COPY AND BORDER COLOR RED.

6 SIGN DETAIL
SCALE: 3" = 1'-0"

NOTES:

1. SIGN BACKGROUND AND "CAUTION" TEXT COLOR O BE YELLOW.
2. SIGN COPY AND GRAHPIC COLOR TO BE BLACK AND RED.

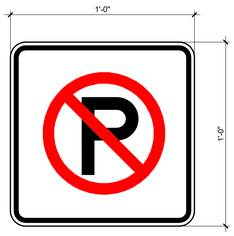
5 SIGN DETAIL
SCALE: 3" = 1'-0"



NOTES:

1. REFER TO MUTCD STANDARD SIGN R6-1R (SIMILAR) FOR SIGN GRAPHICS, LAYOUT, AND SIZES.

4 SIGN DETAIL
SCALE: 1 1/2" = 1'-0"



NOTES:

1. REFER TO MUTCD STANDARD SIGN R7-2 (SIMILAR) FOR SIGN GRAPHICS, LAYOUT, AND SIZES.

3 SIGN DETAIL
SCALE: 3" = 1'-0"

NOTES:

1. SIGN BACKGROUND COLOR WHITE.
2. SIGN COPY AND BORDER COLOR RED.

2 SIGN DETAIL
SCALE: 3" = 1'-0"

NOTES:

1. REFER TO MUTCD STANDARD SIGN D9-11B FOR SIGN GRAPHICS, LAYOUT, AND SIZES.

1 SIGN DETAIL
SCALE: 3" = 1'-0"

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NO:	DATE:	DESCRIPTION:
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DRAWING NAME:

SIGN DETAILS

DRAWING NUMBER:

AP513

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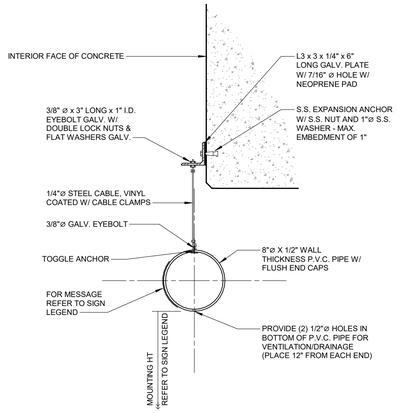
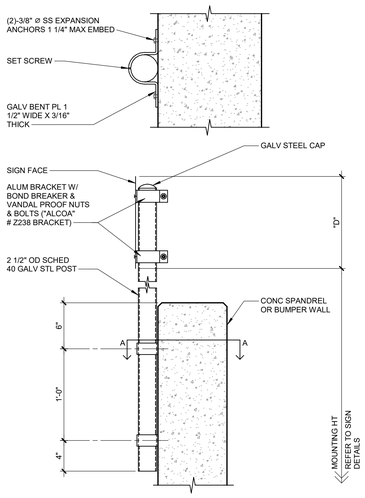


MARK 5

5 SIGN MOUNTING DETAIL

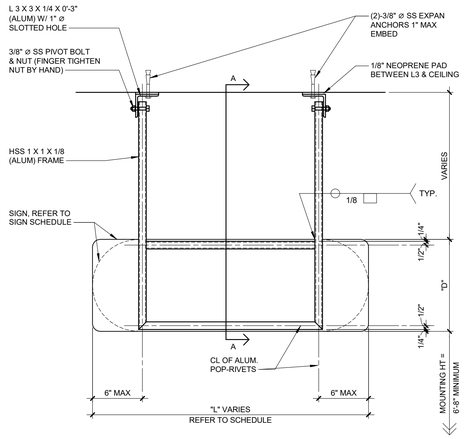
SCALE: 1 1/2" = 1'-0"



MARK 4

4 SIGN MOUNTING DETAIL

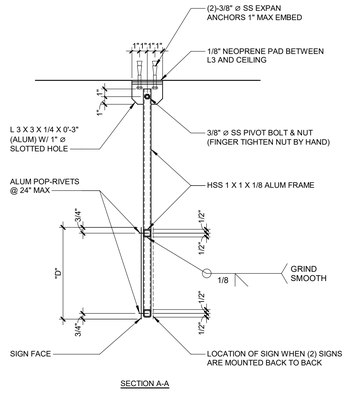
SCALE: 1 1/2" = 1'-0"

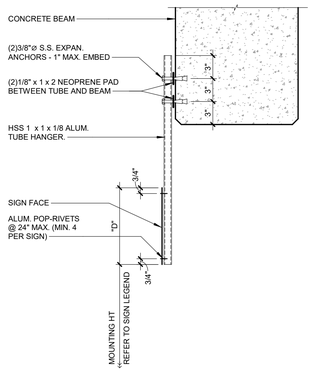


MARK 3

3 SIGN MOUNTING DETAIL

SCALE: 1 1/2" = 1'-0"

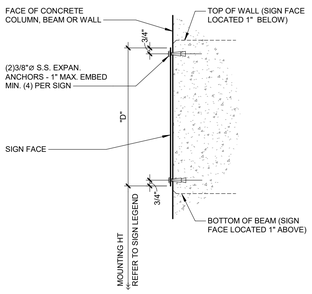




MARK 2

2 SIGN MOUNTING DETAIL

SCALE: 1 1/2" = 1'-0"



MARK 1

1 SIGN MOUNTING DETAIL

SCALE: 1 1/2" = 1'-0"

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: RMULVANEY

REVIEWED BY: GEHMKE

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/2026

DRAWING NAME:

SIGN MOUNTING DETAILS

DRAWING NUMBER:

AP521

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GENERAL NOTES

DIVISION 01 - GENERAL REQUIREMENTS

1.1 ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES/ORDINANCES AND FIRE CODES, INCLUDING THE FOLLOWING:

A. CITY OF ELMIRA, NEW YORK CODES AND ORDINANCES, CURRENT EDITION.
B. 2020 BUILDING CODE OF NEW YORK STATE.

1.2 BUILDING CLASSIFICATION

A. IBC USE AND OCCUPANCY CLASSIFICATION: LOW-HAZARD STORAGE, GROUP S-2 OPEN PARKING GARAGE

1.3 LOADING AND DESIGN PARAMETERS (1975 RECORD DOCUMENTS)

A. DESIGN LIVE LOADING:

UNIFORM LOAD, 1ST THRU 6TH FLOORS (LIVE) = 50 PSF
UNIFORM LOAD, 7TH LEVEL (50 PSF LIVE + 30 PSF SNOW) = 80 PSF

1.4 MINIMUM HEADROOM CLEARANCE

A. SIGNED CLEARANCE: ALL LEVELS, EXISTING SIGNAGE = 6'-5"

1.5 PERMITS

A. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS NECESSARY TO COMPLETE THE WORK.

1.6 CORROSION PROTECTION SYSTEM

A. CORROSION PROTECTION SYSTEM FOR REPAIRS AND RESTORATION IS BASED ON CRITERIA PRESENTED IN ACI 362.1R "GUIDE FOR THE DESIGN AND CONSTRUCTION OF DURABLE CONCRETE PARKING STRUCTURES" FOR ZONE 3 EXPOSURE.

DIVISION 02 - EXISTING CONDITIONS

2.1 EXISTING STRUCTURES

A. FOR ADDITIONAL INFORMATION ON EXISTING STRUCTURE, REFER TO RECORD DRAWINGS BY NEWMAN & DOLL DATED APRIL, 1978 (ORIGINAL DESIGN AUGUST, 1975).
B. FOR ADDITIONAL INFORMATION ON EXISTING STRUCTURE, REFER TO REPAIR AND PREVENTIVE MAINTENANCE - PHASE I DRAWINGS BY DESMAN ASSOCIATES DATED FEBRUARY, 1997.
C. FOR ADDITIONAL INFORMATION ON EXISTING STRUCTURE, REFER TO REPAIR AND PREVENTIVE MAINTENANCE - PHASE II DRAWINGS BY DESMAN ASSOCIATES DATED FEBRUARY, 1998.
D. FOR ADDITIONAL INFORMATION ON EXISTING STRUCTURE, REFER TO REPAIR AND PREVENTIVE MAINTENANCE - PHASE III DRAWINGS BY DESMAN ASSOCIATES DATED FEBRUARY, 1999.
E. FOR ADDITIONAL INFORMATION ON EXISTING STRUCTURE, REFER TO ENGINEERING DRAWINGS BY HUNT AND TY LIN DATED AUGUST 25, 2020.
F. WHERE DIMENSIONS ARE INDICATED FOR EXISTING STRUCTURES OR UTILITIES, THEY ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY IN FIELD (VIF) ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. ANY VARIATIONS BETWEEN EXISTING DIMENSIONS AND/OR ELEVATIONS ON DRAWINGS SHALL BE REPORTED TO ENGINEER.

DIVISION 03 - CAST-IN-PLACE CONCRETE

3.1 DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318, AND ACI GUIDE 362.1R. REFER TO SPECIFICATIONS SECTION 03 30 00, CAST-IN-PLACE CONCRETE (RESTORATION), FOR INFORMATION NOT LISTED HEREIN.

3.2 CONCRETE

DESCRIPTION	F'C (PSI)	MAX W/C RATIO	AVG AIR ENTRAINED	COMMENTS
CURBS	4,000 SF	0.40	6.50%	REFER TO NOTE 5
SLABS	4,500 CNS	0.40	6.50%	REFER TO NOTE 5
VERTICAL & OVERHEAD	5,000 CNS	0.40	6.50%	REFER TO NOTE 6

1. CNS: DESIGNATES A CONCRETE MIX DESIGN IN WHICH CONTAINS 2 GAL/CY OF CALCIUM NITRITE CORROSION-INHIBITOR ADMIXTURE.
2. SF: DESIGNATES A CONCRETE MIX DESIGN WHICH CONTAINS 4-1/2 LBS/CY OF STRUCTURAL MACRO FIBERS
3. AVERAGE AIR-ENTRAINED VALUES ARE FOR IN-PLACE CONCRETE. TOLERANCE ON TOTAL AIR CONTENT IS 1-1/2% PER ACI 318.
4. ALL NORMAL WEIGHT CONCRETE SHALL HAVE A DENSITY OF APPROXIMATELY 145 PCF UNLESS NOTED OTHERWISE.
5. FOR SLAB CONCRETE (ASSOCIATED WITH FD REPLACEMENTS) AND NEW CURBS CONTRACTOR HAS OPTION FOR BAG MIX, SITE-BATCHED CONCRETE, OR READY-MIXED CONCRETE.
6. VERTICAL/OVERHEAD POLYMER MODIFIED REPAIR MORTAR. REFER TO SPECIFICATIONS.

3.3 CEMENT

A. ASTM C 150 TYPE I OR III
B. ASTM C 595 TYPE IL(10)

3.4 AGGREGATES

A. ASTM C 33

3.5 MILD REINFORCEMENT

A. MILD REINFORCEMENT, ASTM A 615 GRADE 60
B. MILD REINFORCEMENT (LOW ALLOY WELDABLE), ASTM A 706 GRADE 60
C. EPOXY COATING FOR PLAIN AND DEFORMED MILD REINFORCEMENT, ASTM A 775
D. (WELDED PLAIN WIRE FABRIC SHEETS, ASTM A 185, GRADE 65) (WELDED DEFORMED WIRE FABRIC SHEETS, ASTM A 497, GRADE 65)
E. EPOXY COATING FOR PLAIN WELDED WIRE FABRIC, ASTM A 884
F. CONCRETE PROTECTION SHALL BE PER ACI 362.1R, EXCEPT AS NOTED ON DRAWINGS AND SPECIFIED HEREIN. SPECIFIC DRAWINGS AND DETAILS MAY OR MAY NOT INDICATE EPOXY COATING OR UNCOATED REINFORCING. IN AREAS OF DISPUTE, THIS SCHEDULE SHALL GOVERN IN ALL CASES.

3.6 POST-INSTALLED MILD REINFORCEMENT

A. POST-INSTALLED REINFORCING BAR CONNECTIONS SHALL BE DESIGNED PER THE ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
B. THE DESIGN OF STRAIGHT POST-INSTALLED REINFORCING BARS SHALL BE PERFORMED PER THE DEVELOPMENT AND SPLICE LENGTH REQUIREMENTS OF THE ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE. THE POST-INSTALLED REINFORCING BAR SYSTEM IS AN ALTERNATIVE TO CAST-IN-PLACE REINFORCING BARS GOVERNED BY ACI 318 AND IBC CHAPTER 19.
C. THE EPOXY SYSTEM SHALL BE TESTED IN ACCORDANCE WITH THE ICC-ES ACCEPTANCE CRITERIA FOR POST-INSTALLED EPOXY ANCHORS IN CONCRETE ELEMENTS (AC308), TABLE 3.8. TECHNICAL DATA SHALL BE PUBLISHED IN AN ICC-ES EVALUATION SERVICE REPORT SHOWING COMPLIANCE WITH IBC.
D. POST-INSTALLED REINFORCING BAR INSTALLATION SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL THE SYSTEM PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE ANCHOR PACKAGING. THE CONTRACTOR SHALL ARRANGE FOR A MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR POST- INSTALLED REINFORCING BARS. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION PRIOR TO THE COMMENCEMENT OF INSTALLING THE BARS THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO WILL INSTALL POST-INSTALLED REINFORCING BARS HAVE BEEN TRAINED TO INSTALL THE SYSTEM PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
E. THE POSITION OF EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE SHALL BE LOCATED PRIOR TO POST-INSTALLING BARS. EXISTING BARS SHALL BE LOCATED USING FERROSCAN, GPR, X- RAY, CHIPPING, OR OTHER MEANS.

3.10 GENERAL CAST-IN-PLACE CONCRETE

A. REINFORCEMENT

1. PROVIDE STANDARD 90 DEGREE BAR HOOKS UNLESS NOTED OTHERWISE ON DRAWINGS.
2. MINIMUM LENGTH OF LAP SPLICES SHALL BE BASED ON ACI 318 CLASS B, UNLESS NOTED OTHERWISE ON DRAWINGS.
3. APPROVED REBAR COUPLERS MAY BE USED AT CONTRACTOR'S OPTION TO AID PLACEMENT OF DOWELS THROUGH FORMS.
4. REINFORCING STEEL SHALL NOT BE BENT OR STRAIGHTENED UNLESS APPROVED BY ENGINEER OR AS INDICATED ON DRAWINGS.
5. FIELD CUTTING OF REINFORCEMENT IS PROHIBITED UNLESS APPROVED BY ENGINEER.
6. WELDING OF REINFORCEMENT IS PROHIBITED UNLESS SPECIFICALLY CALLED FOR ON DRAWINGS OR APPROVED BY ENGINEER. DO NOT WELD EPOXY COATED REINFORCEMENT.

B. ACCESSORIES

1. ALL WELD ASSEMBLIES SHALL USE E70XX LOW HYDROGEN ELECTRODES. MINIMUM WELD SIZE IS 1/4 INCH. STAINLESS STEEL ELECTRODES SHALL BE TYPE 308L OR 347.
2. FOR FIELD WELDING GALVANIZED CONNECTION HARDWARE, REMOVE SLAG, WIRE BRUSH, AND APPLY THREE COATS OF ZRC COLD GALVANIZING.
3. NO ALUMINUM CONDUIT OR PRODUCTS CONTAINING ALUMINUM OR ANY OTHER MATERIAL INJURIOUS TO THE CONCRETE SHALL BE EMBEDDED IN CONCRETE.

C. JOINTS

1. PROVIDE A 3/4 INCH CHAMFER ON EXPOSED CORNERS OF CONCRETE UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. TOOL SLAB JOINTS AT THE TIME OF FINISHING. SAW CUTTING IS NOT ALLOWED.
3. TOOL CONTROL JOINTS IN CONCRETE PATCHES TO MATCH EXISTING.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

7.1 TRAFFIC-BEARING MEMBRANE (DECK COATING)

A. TRAFFIC-BEARING MEMBRANE SHALL BE HEAVY DUTY AND APPLIED TO LOCATIONS INDICATED IN THE PLANS INCLUDING ON SUPPORTED SLAB SURFACES AND EXTENDED UP VERTICAL SURFACES 4 INCHES (MINIMUM), INCLUDING WALLS, PANELS, COLUMNS, CURBS, PIPES, ETC., AS INDICATED ON DRAWINGS.

7.2 JOINT SEALANTS

A. REMOVE AND REPLACE JOINT AND COVE SEALANTS AS INDICATED ON THE DRAWINGS.
B. ROUT AND SEAL CRACKS AS INDICATED ON THE DRAWINGS.

7.3 EXPANSION JOINTS

A. REMOVE AND REPLACE DAMAGED HEADER MATERIAL AS INDICATED ON THE DRAWINGS.

DIVISION 22 - PLUMBING

22.1 REMOVE AND REPLACE EXISTING POST-TENSIONED CONCRETE FOR FLOOR DRAIN REPLACEMENT AS INDICATED ON PLUMBING DRAWINGS.

22.2 SCAN FOR EXISTING REINFORCEMENT, CORE, AND PROVIDE SUPPLEMENTAL FLOOR DRAINS AND PIPING A PONDING LOCATIONS AS INDICATED ON PLUMBING DRAWINGS.

DIVISION 32 - EXTERIOR IMPROVEMENTS

32.1 RESTRIPE PARKING STRUCTURE, AT ALL LEVELS INDICATED IN PLANS. REFER TO AP-SERIES DRAWINGS.

32.2 WHERE EXISTING STRIPING CONFLICTS WITH NEW STRIPING, PREPARE SURFACE AND PROVIDE 6" WIDE STRIP OF TRAFFIC MEMBRANE TOP COAT COVERING THE EXISTING LINE STRIPE.

CONSTRUCTION AND COORDINATION NOTES

C.1 - GENERAL

A. SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS.
B. THE STRUCTURAL RESTORATION DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES AND COORDINATED WITH THE WORK OF ALL TRADES.
C. ALL OMISSIONS OR CONFLICTS AMONG VARIOUS ELEMENTS OF DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO ENGINEER BEFORE PROCEEDING WITH ANY RELATED WORK.
D. IF DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT, THE MOST STRINGENT RESTRICTIONS AND REQUIREMENTS SHALL GOVERN.
E. MEANS, METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
F. FIELD VERIFY THE LOCATIONS OF EXISTING STRUCTURES, UTILITIES, ETC., AND NOTIFY ENGINEER OF INTERFERENCES NOT NOTED ON DRAWINGS.
G. NO STRUCTURAL MEMBERS SHALL BE PENETRATED OR CUT FOR PIPES, DUCTS, ETC., UNLESS SPECIFICALLY DETAILED OR APPROVED IN WRITING BY ENGINEER. ALL PENETRATIONS OF EXISTING STRUCTURE ELEMENTS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL.
H. VERIFY STRUCTURAL ELEVATIONS AND DIMENSIONS WITH RESPECTIVE OTHER TRADES AND DRAWINGS.
I. VERIFY LOCATION OF SLAB DEPRESSIONS, FLOOR DRAINS, INSERTS, AND OTHER RELATED ITEMS.
J. VISITS TO JOB SITE BY ENGINEER TO OBSERVE CONSTRUCTION DO NOT IN ANY WAY MEAN GUARANTEE OF CONTRACTOR'S WORK, NOR RESPONSIBILITY FOR COORDINATION, SUPERVISION, NOR SAFETY AT JOB SITE.
K. PRIOR TO BEGINNING WORK, EACH WORK AREA IS TO BE COMPLETELY ENCLOSED. CONTRACTOR TO BE RESPONSIBLE FOR ADEQUATE VENTILATION, FUME AND DUST CONTROL.
L. PRIOR TO BEGINNING CONSTRUCTION, PREPARE EXISTING CONDITIONS VIDEO AND/OR PHOTO DOCUMENTATION.
M. THE EXISTING CONCRETE DESIGN STRENGTH IS 4,000 PSI AT 28 DAYS.
N. LOCAL NOISE ORDINANCE WILL GOVERN OPERATIONS.
O. FIRE SUPPRESSION SYSTEM MUST BE MAINTAINED IN THE STRUCTURE AT ALL TIMES EXCEPT IN WORK AREAS.
P. TAKE EXTREME CAUTION NOT TO DAMAGE IN ANY WAY THE EXISTING ELECTRICAL SERVICE. TELECOMMUNICATION LINES, COMPUTER LINES, ETC. LOCATE AND MARK ALL SERVICE LINES.
Q. PROVIDE TEMPORARY SIGNS AND BARRICADES AS REQUIRED FOR TRAFFIC CONTROL AROUND WORK AREAS.

C.2 - CONSTRUCTION PHASING

A. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL CONSTRUCTION ACTIVITY AND SHALL COOPERATE FULLY WITH OWNER FOR ALL CONSTRUCTION PHASING.
B. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW TO ALL LEVELS OF THE STRUCTURE.
C. WORK OVER OCCUPIED SPACE SHALL BE PERFORMED DURING WORK HOURS COORDINATED WITH THE OWNER.
D. COORDINATE WITH THE OWNER MOVING FURNITURE, SUPPLIES, AND MATERIALS IN ROOMS AS REQUIRED TO PERFORM REPAIRS.
E. AREAS OF PARKING ABOVE AND AROUND SHORING SHALL BE CLOSED TO PARKING, PRIOR TO REPAIRS AND SHORING.
F. STAGING AREA FOR CONTRACTOR TO BE LOCATED ON-SITE. CONTRACTOR SHALL COORDINATE WITH OWNER.
G. PROTECT PEDESTRIAN TRAFFIC THROUGHOUT STRUCTURE AND ON SIDEWALKS AROUND PERIMETER OF PARKING STRUCTURE.
H. IT WILL BE NECESSARY TO SCHEDULE CONTRACTOR DELIVERIES AND WASTE HAULING TO MINIMIZE INTERFERENCE WITH EXISTING BUILDING OPERATIONS. CONTRACTOR SHALL COORDINATE WITH OWNER.
I. PARKING WILL NOT BE ALLOWED ON LEVELS WITH SHORING.
J. WORK IN AREAS REQUIRING CLOSING OF RAMP ACCESS TO UPPER FLOORS SHALL BE CONDUCTED ON WEEKENDS. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY AND OBTAIN OWNER APPROVAL OF ANY ACCESS CLOSURES PRIOR TO SCHEDULED WORK.
K. AT LEAST ONE STAIR TOWER MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES.
L. COORDINATE WITH OWNER REGARDING SCHEDULING OF WORK RELATED TO OTHER IMPROVEMENT PROJECTS INCLUDING ELEVATOR MODERNIZATION AND PARKING EQUIPMENT REPLACEMENT.

C.3 - FORMWORK AND SHORING

A. DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR SAFETY OF BUILDING OR EQUIPMENT DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATING TO CONSTRUCTION, ERECTION METHODS, BRACING, SHORING, RIGGING, GUYS, SCAFFOLDING, FORMWORK, AND OTHER WORK AIDS REQUIRED TO SAFELY PERFORM WORK INDICATED.

C.4 - CONCRETE DELAMINATION REPAIR

A. SOUND ALL AREAS AS INDICATED ON DRAWINGS AND MARK PERIMETER OF AREAS.
B. SAWCUT AND CHIP AT PERIMETER OF DELAMINATED AREAS AS INDICATED IN REPAIR DETAILS.
C. REMOVE EXISTING CONCRETE BEYOND DELAMINATION TO SOUND CONCRETE AS INDICATED IN THE REPAIR DETAILS.
D. REMOVE EXISTING CONCRETE BEYOND DELAMINATION EXPOSING EXISTING REINFORCEMENT STEEL PERIMETER AS INDICATED IN THE REPAIR DETAILS. REPAIR DETAILS INDICATE NOMINAL DEPTH OF REPAIRS. IF SOUND CONCRETE IS NOT ENCOUNTERED AT THE SPECIFIED NOMINAL REMOVAL DEPTH, NOTIFY ENGINEER FOR DIRECTION ON HOW TO PROCEED.
E. PROVIDE UNIFORM HORIZONTAL SURFACE BETWEEN ADJACENT BARS OR WIRES WHEN CAVITY ENCOMPASSES MORE THAN ONE BAR OR WIRE.
F. CLEAN AND COAT ALL EXPOSED REINFORCEMENT STEEL AND OTHER EMBEDDED STEEL. IF GREATER THAN 10% SECTION LOSS (DIAMETER REDUCTION) IS PRESENT, NOTIFY ENGINEER FOR DIRECTION ON REPLACEMENT AND/OR SUPPLEMENTAL REINFORCEMENT REQUIREMENTS.
G. PROVIDE SPRAY OR BRUSH APPLIED BONDING GROUT TO EXCAVATED CAVITY SURFACE.
H. PROVIDE PATCH MATERIAL AS INDICATED IN GENERAL NOTE 3.2.
I. STEEL TROWEL FINISH OF UNFORMED CONCRETE PATCH SURFACES TO MATCH ADJACENT AREAS.
J. WHERE APPLICABLE CHAMFER CORNERS TO MATCH ADJACENT AREAS.
K. CONCRETE PATCH SURFACES TO BE PAINTED TO MATCH ADJACENT AREAS.
L. NOMINAL SIZES OF MEMBERS ARE INDICATED IN DETAILS, ACTUAL SIZES MAY VERY.
M. NOMINAL PATCH DEPTHS ARE INDICATED IN DETAILS, ACTUAL DEPTH MAY VARY.
N. PAY BASIS SHALL BE AS INDICATED ON THE BID FORM.

C.5 - DUST CONTROL

A. FILTER FABRIC MUST BE INSTALLED OVER ALL STORM DRAIN BASINS WITHIN THE WORK AREA.
B. DUST, SILT, SEDIMENT, ETC SHALL NOT LEAVE THE SITE.
C. ALL SAW CUTTING AND GRINDING OPERATIONS SHALL BE PERFORMED WET TO CONTROL DUST.

C.6 - CONCRETE AND SAW CUTTING WORK

A. THE FOLLOWING REQUIREMENTS APPLY TO CONCRETE AND SAW CUTTING WORK (CUTTING, GRINDING, DRILLING, HYDRO-DEMOLITION,ETC):

1. DISCHARGE OF WATER, DUST, OR DEBRIS FROM CONCRETE WORK TO STORM OR SANITARY SYSTEM IS PROHIBITED.
2. STORM DRAINS MUST BE PROTECTED FROM DUST AND DEBRIS.
3. ANY WATER USED DURING CONCRETE WORK (INCLUDING SWEEPING AND SAW CUTTING) MUST BE CONTAINED AND COLLECTED FOR PROPER DISPOSAL. SUGGESTED CONTROLS INCLUDE WET VACUUM OR ABSORBENTS.
4. GOOD HOUSEKEEPING PRACTICES MUST BE EMPLOYED AT THE JOBSITE. MINIMIZE DUST.

C.7 - CONCRETE WASHOUT

A. DO NOT DISCHARGE CONCRETE, MORTAR, OR GROUT INTO STORM DRAINS, CATCH BASINS, OR TO THE SANITARY SEWER SYSTEM. PERFORM WASHOUT OF CONCRETE TRUCKS IN DESIGNATED AREAS OR OFFSITE.

1. DESIGNATED AREAS SHOULD BE CLEARLY LABELED. THEY SHOULD BE IN A PIT TO PREVENT RUNOFF OF WASTE WATER. PLACE DESIGNATED AREAS A MINIMUM OF 50 FEET FROM STORM DRAINS, BODIES OF WATER, AND DITCHES. ALL DESIGNATED AREAS SHOULD BE LINED TO PREVENT SEEPAGE AND SHOULD HAVE A BARRIER.
2. IF ONLY A SMALL AMOUNT OF CONCRETE WASHING IS TO OCCUR, AN ALTERNATIVE TO A DESIGNATED AREA IS TO UTILIZED A LINED ROLL-OFF BOX OR DRUM (FOR VERY SMALL QUANTITIES).

B. ONCE CONCRETE WASHOUT HAS HARDENED, BREAK UP AND DISPOSE OF PROPERLY. DISPOSAL OF HARDENED CONCRETE SHOULD OCCUR ON A REGULAR BASIS.
C. WASHOUT FACILITIES MUST BE CLEANED. OR NEW FACILITIES PROVIDED, ONCE THE WASHOUT AREA IS 75% FULL.

C.8 - WASTE DISPOSAL - WASH WATER, PAINTS, SOLVENTS, AND OTHER CHEMICALS

A. ANY USED CHEMICAL PRODUCTS OR SOLVENTS INCLUDING CHEMICAL AND SOLVENT MIXTURES, RESIDUES, CONTAMINATED RAGS, AND CONTAINERS SHOULD BE EVALUATED AND DISPOSED OF PROPERLY.

C.9 - QUANTITIES

A. CONTRACTOR SHALL NOTIFY ENGINEER IF QUANTITIES SHOWN ON DRAWINGS ARE SUBSTANTIALLY DIFFERENT FROM THE ACTUAL QUANTITIES IN THE FIELD. SUBJECT LOCATIONS SHALL BE REVIEWED WITH THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

GENERAL ABBREVIATIONS

AB	ANCHOR BOLT	EXP	EXPANSION	ORD	OVERFLOW ROOF DRAIN
ADDL	ADDITIONAL	EXT	EXTERIOR	PCC	PRECAST CONCRETE
ADJ	ADJUSTABLE	FD	FLOOR DRAIN	PERP	PERPENDICULAR
AFF	ABOVE FINISHED FLOOR	FDN	FOUNDATION	PL	PLATE
AL	ALUMINUM	FE	FIRE EXTINGUISHER	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FF	FINISHED FLOOR	PSI	POUNDS PER SQUARE INCH
APPROX	APPROXIMATE	FIN	FINISH	PREFAB	PREFABRICATED
ARCH	ARCHITECT	FS	FOOTING STEP	PROP	PROPOSED
BAL	BALANCE	FT	FOOT/FEET	PT	POST-TENSIONED
BF	BARRIER FREE	FTG	FOOTING	R	RADIUS
BIT	BITUMINOUS	GA	GUAGE/GAGE	RD	ROOF DRAIN
BO___	BOTTOM OF ___	GALV	GALVANIZED	REF	REFERENCE
BOF	BOTTOM OF FOOTING	GC	GENERAL CONTRACTOR	REINF	REINFORCING
BOT	BOTTOM	GGBS	GROUND GRANULATED BLAST-FURNACE SLAG	REQD	REQUIRED
BSMT	BASEMENT	HK	HOOK	RO	ROUGH OPENING
BR	BOTTOM REINFORCEMENT	HORIZ	HORIZONTAL	ROW	RIGHT OF WAY
BRG	BEARING	HRS	HOURS	SECT	SECTION
CIP	CAST IN PLACE	HSA	HEADED STUD ANCHOR	SF	SQUARE FOOT
CJ	CONSTRUCTION JOINT; CONTROL JOINT	HSS	HOLLOW STRUCTURAL SECTION	SIM	SIMILAR
CL	CENTERLINE	HT	HEIGHT	SOG	SLAB ON GRADE
CLR	CLEAR	HVAC	HEATING VENTILATING AIR CONDITIONING	SP	SPACE/SPACING
CMU	CONCRETE MASONRY UNIT	ID	INSIDE DIAMETER	SPEC(S)	SPECIFICATIONS
COL	COLUMN	IN	INCH/INCHES	SQ	SQUARE
CONC	CONCRETE	INFO	INFORMATION	SS	STAINLESS STEEL
CONN	CONNECTION	INSUL	INSULATION	STD	STANDARD
CONST	CONSTRUCTION	JT	JOINT	STL	STEEL
CONT	CONTINUOUS	KIP	THOUSAND POUNDS	STRUCT	STRUCTURAL
COORD	COORDINATE	L	ANGLE	SYS	SYSTEM
CTR	CENTER	LBS	POUNDS	T & B	TOP AND BOTTOM
DBA	DEFORMED BAR ANCHOR	LED	LIGHT EMITTING DIODE	TAN	TANGENT
DBL	DOUBLE	LF	LINEAL FEET	TEMP	TEMPERATURE
DEG	DEGREES	LLH	LONG LEG HORIZONTAL	TO___	TOP OF ___
DEMO	DEMOLITION	LLV	LONG LEG VERTICAL	TOB___	TOP OF BEAM
DIA	DIAMETER	LPR	LICENSE PLATE RECOGNITION	TOC	TOP OF CONCRETE
DIM	DIMENSION	LT WALL	LIGHT WALL	TOF	TOP OF FOOTING
DN	DOWN	MAX	MAXIMUM	TOM	TOP OF MASONRY
DR	DOOR	MECH	MECHANICAL	TOS	TOP OF SLAB
DTL	DETAIL	MFR	MANUFACTURER	TOW	TOP OF WALL
DWG	DRAWING	MIN	MINIMUM	TR	TOP REINFORCEMENT
DWL	DOWEL	MISC	MISCELLANEOUS	TYP	TYPICAL
EA	EACH	MPH	MILES PER HOUR	UNO	UNLESS NOTED OTHERWISE
EC	EPOXY COATED	MO	MASONRY OPENING	VERT	VERTICAL
EF	EACH FACE	MT	MOUNTING	VIF	VERIFY IN FIELD
EL	ELEVATION	MTL	METAL	VOL	VOLUME
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	N/A	NOT APPLICABLE	W/	WITH
EJ	EXPANSION JOINT	NIC	NOT IN CONTRACT	W/C	WATER CEMENT RATIO
ELEC	ELECTRICAL	NO	NUMBER	WF	WIDE FLANGE
ELEV	ELEVATOR	NOM	NOMINAL	WH	WATER HEATER
EOS	EDGE OF STEEL	NSNS	NON-SHRINK, NON-STAIN	W/O	WITHOUT
EQ	EQUAL	NTS	NOT TO SCALE	WP	WORKPOINT
EQUIP	EQUIPMENT	OC	ON CENTER	WS	WALL STEP
EV	ELECTRIC VEHICLE	OD	OUTSIDE DIAMETER	WSJ	WATER STOP JOINT
EVC	ELECTRIC VEHICLE CHARGING	OH	OPPOSITE HAND	WWF	WELDED WIRE FABRIC
EW	EACH WAY	OVHD	OVERHEAD	ZRC	ZINC RICH COATING
EXIST	EXISTING	OPP	OPPOSITE		

GRAPHIC SYMBOLS

RAMP HINGE LINE - **UP** INDICATES THE SURFACE SLOPES UP. **DN** INDICATES THE SURFACE SLOPES DOWN.
DN

PLAN MATCH LINE (RAMP)

SECTION CUT LINE
1 A501

EXTERIOR ELEVATION TAG
X
XXX

ELEVATION, SECTION, ENLARGED PLAN, AND DETAIL DESIGNATION

INTERIOR ELEVATION / PHOTO TAG
A
C XXXX D
B

ALT TEXT
1 View Name
SCALE: 1/8" = 1'-0"

PLAN DESIGNATION
ALT TEXT
PLAN
SCALE: 1/8" = 1'-0"
NORTH

NORTH ARROW DESIGNATION
NORTH
TRUE NORTH
NORTH

ENLARGED DETAIL FRAME
1
A201

LEVEL CALLOUT — LEVEL ONE 0'-0"

ELEVATION TARGET

SPOT ELEVATION — EL. 100'-0"

SIGNAGE TAG — XXIII • ##

REVISION CLOUD

NEW GRID SYMBOL — 1

EXISTING GRID SYMBOL — 1

FUTURE GRID SYMBOL — 1

BULLETIN IDENTIFICATION — B1

ADDENDUM IDENTIFICATION — A1

SKETCH IDENTIFICATION — S1

KEY NOTE TAG — 1

DEMOLITION NOTE TAG — 1

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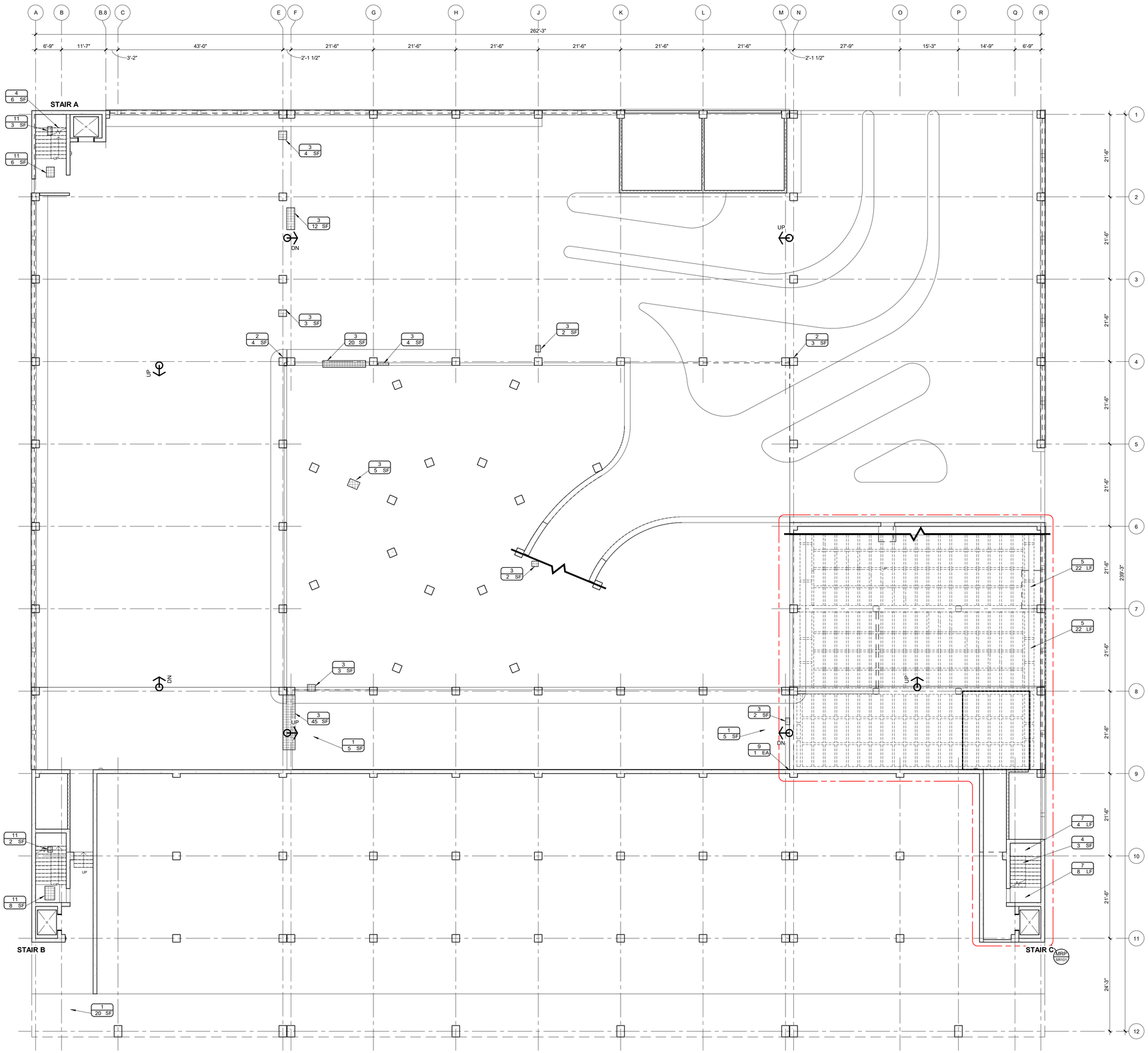
Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME: GENERAL NOTES
DRAWING NUMBER: SR001



NORTH

LEVEL 1 PLAN

SCALE: 3/32" = 1'-0"

PLAN SYMBOLS

- XXX / 0 SF — WORK ITEM NUMBER, REFER TO LIST BELOW; QUANTITY UNIT; QUANTITY OF REPAIR
- FLOOR REPAIR HATCH
- SOFFIT REPAIR HATCH
- AREA WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS
- BARRICADES TO RESTRICT ACCESS TO ROOF LEVEL OF PARKING GARAGE, REFER TO DTL 15/SR501

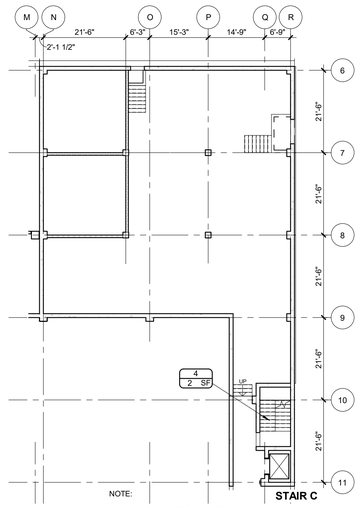
WORK ITEM NOTES

XXX / 0 SF

1. CEILING REPAIR - WAFFLE SLAB SYSTEM, REFER TO DTL 9 & 10/SR501.
2. COLUMN REPAIR, REFER TO DTL 4/SR501.
3. BEAM REPAIR, REFER TO DTL 3/SR501.
4. CONCRETE STAIR REPAIR, REFER TO DTL 5/SR501.
5. ROUT AND SEAL CRACKS AT CONCRETE CURB, REFER TO DTL 2/SR551.
6. REMOVE & REPLACE COVE SEALANT AND FULL SYSTEM TRAFFIC COATING, REFER TO DTL 6/SR551.
7. ROUT AND SEAL CRACKS, REFER TO DTL 2/SR551.
8. EXPANSION JOINT NOSING REPAIR (WINGED SEAL), REFER TO DTL 7/SR551.
9. LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL, REFER TO PLAN NOTE 3.
10. DECK COATING - PREP AND TOP COAT, 6" WIDE STRIP OVER EXISTING LINE STRIPING, REFER TO DTL 5/SR551 AND PLAN NOTE 4.
11. CEILING REPAIR, CIP CONCRETE STAIRS, REFER TO 11/SR501.

PLAN NOTES

1. REFER TO G002 FOR GENERAL NOTES.
2. REPAIRS SHOWN ON PLANS ARE FOR THE FLOOR AND SOFFIT (OVERHEAD) OF REPRESENTED LEVEL.
3. THE LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL WORK ITEM INCLUDES TIME AND MATERIALS NECESSARY FOR CONTRACTOR TO INVESTIGATE, IN COORDINATION WITH ENGINEER AND OWNER, THE ROOT CAUSE OF THE WATER INTRUSION FROM THE PARKING AREA INTO THE ADJACENT SHOPS AREA. CONTRACTOR SHALL PERFORM VISUAL INVESTIGATION AND POSSIBLY EXPLORATORY EXCAVATIONS AND WATER TESTING AS DIRECTED BY OWNER AND ENGINEER. FOLLOWING THE INVESTIGATION, CONTRACTOR SHALL PERFORM NECESSARY REPAIRS TO ADDRESS THE ROOT CAUSE OF THE WATER INTRUSION IDENTIFIED DURING THE INVESTIGATION, AS DIRECTED BY THE OWNER AND ENGINEER. CONTRACTOR SHALL PERFORM INVESTIGATION AND REPAIR WORK ON A TIME AND MATERIAL BASIS. REFER TO BID FORM FOR ALLOWANCE. WRITTEN APPROVAL OF PROPOSED WORK SHALL BE OBTAINED PRIOR TO CONTRACTOR PERFORMING WORK.
4. WHERE EXISTING PARKING SPACE LINE STRIPING CONFLICTS WITH NEW STRIPING, PREPARE SURFACE AND PROVIDE 6" WIDE STRIP OF TRAFFIC MEMBRANE TOP COAT COVERING THE EXISTING LINE STRIPE. COORDINATE WITH AP-SERIES PLANS. WORK ITEM APPLIES TO LINEAR STRIPES, WILL BE PAID FOR ON A LINEAL FOOT BASIS (REFER TO BID FORM), AND IS NOT INTENDED TO COVER LARGE AREAS.
5. FOR FLOOR DRAIN REPLACEMENTS AND SUPPLEMENTAL FLOOR DRAINS, REFER TO PLUMBING PLANS FOR LOCATIONS AND DETAILS 6, 12, 13, AND 14 ON SHEET SR501 FOR ADDITIONAL INFORMATION.



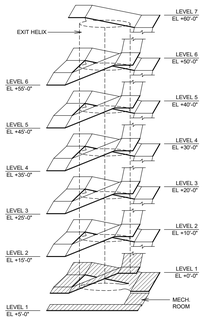
NOTE:

AREA ABOVE IS APPROXIMATELY 10'-0" BELOW CALL-OUT ON LEVEL 1 PLAN.

NORTH

MECHANICAL ROOM PLAN

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



ISOMETRIC KEY PLAN

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME: LEVEL 1 PLAN
DRAWING NUMBER: SR101

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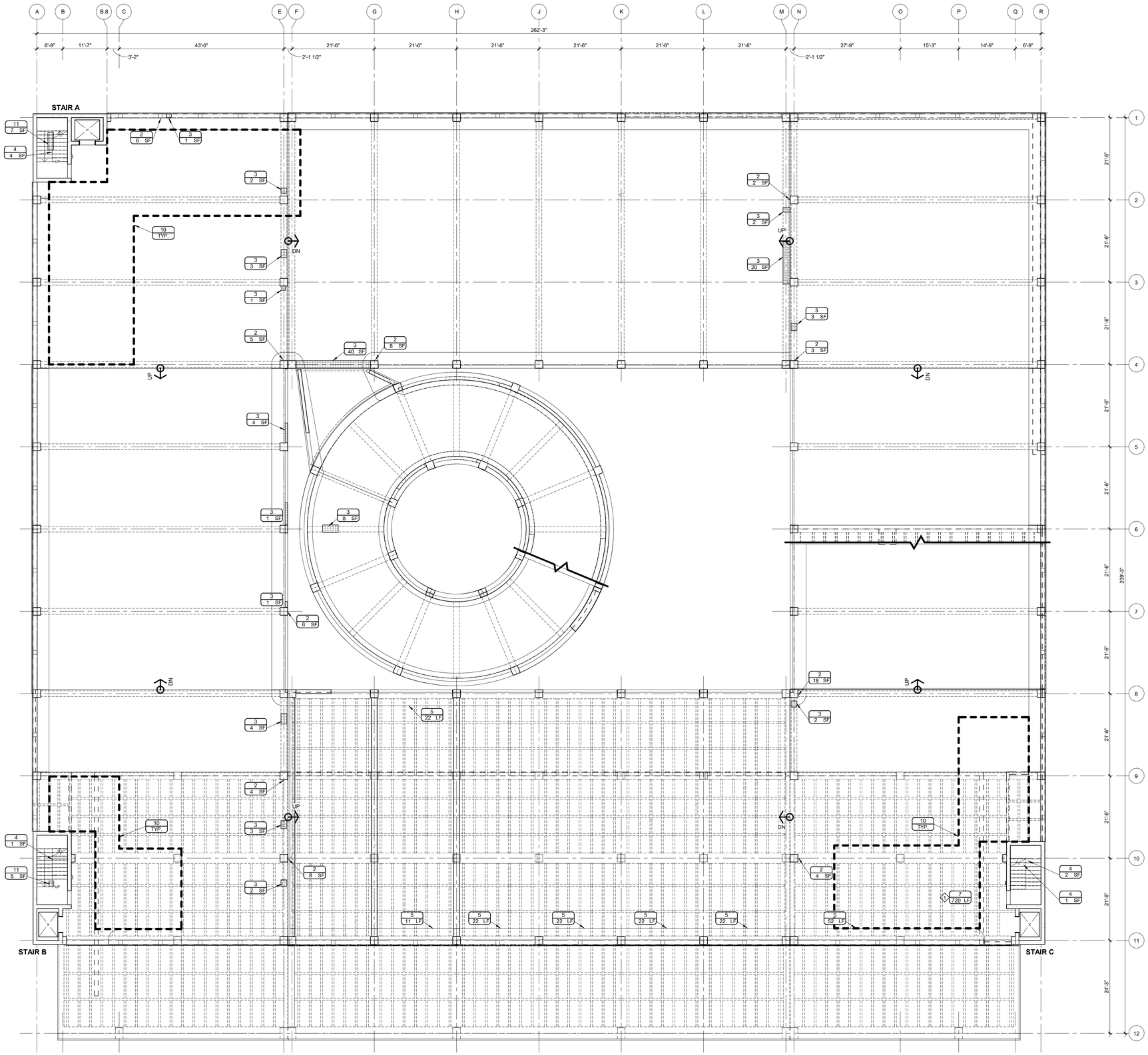

LEVEL 2 PLAN

SCALE: 3/32" = 1'-0"

NORTH

PLAN SYMBOLS

- XXX / 0 SF — WORK ITEM NUMBER, REFER TO LIST BELOW; QUANTITY UNIT; QUANTITY OF REPAIR
- FLOOR REPAIR HATCH
- SOFFIT REPAIR HATCH
- AREA WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS
- BARRICADES TO RESTRICT ACCESS TO ROOF LEVEL OF PARKING GARAGE, REFER TO DTL 15/SR501

XXX / 0 SF WORK ITEM NOTES

1. CEILING REPAIR - WAFFLE SLAB SYSTEM, REFER TO DTL 9 & 10/SR501.
2. COLUMN REPAIR, REFER TO DTL 4/SR501.
3. BEAM REPAIR, REFER TO DTL 3/SR501.
4. CONCRETE STAIR REPAIR, REFER TO DTL 5/SR501.
5. ROUT AND SEAL CRACKS AT CONCRETE CURB, REFER TO DTL 2/SR551.
6. REMOVE & REPLACE COVE SEALANT AND FULL SYSTEM TRAFFIC COATING, REFER TO DTL 6/SR551.
7. ROUT AND SEAL CRACKS, REFER TO DTL 2/SR551.
8. EXPANSION JOINT NOSING REPAIR (WINGED SEAL), REFER TO DTL 7/SR551.
9. LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL, REFER TO PLAN NOTE 3.
10. DECK COATING - PREP AND TOP COAT, 6" WIDE STRIP OVER EXISTING LINE STRIPING, REFER TO DTL 5/SR551 AND PLAN NOTE 4.
11. CEILING REPAIR, CIP CONCRETE STAIRS, REFER TO 11/SR501.

PLAN NOTES

1. REFER TO G002 FOR GENERAL NOTES.
2. REPAIRS SHOWN ON PLANS ARE FOR THE FLOOR AND SOFFIT (OVERHEAD) OF REPRESENTED LEVEL.
3. THE LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL WORK ITEM INCLUDES TIME AND MATERIALS NECESSARY FOR CONTRACTOR TO INVESTIGATE. IN COORDINATION WITH ENGINEER AND OWNER, THE ROOT CAUSE OF THE WATER INTRUSION FROM THE PARKING AREA INTO THE ADJACENT SHOPS AREA. CONTRACTOR SHALL PERFORM VISUAL INVESTIGATION AND POSSIBLY EXPLORATORY EXCAVATIONS AND WATER TESTING AS DIRECTED BY OWNER AND ENGINEER. FOLLOWING THE INVESTIGATION, CONTRACTOR SHALL PERFORM NECESSARY REPAIRS TO ADDRESS THE ROOT CAUSE OF THE WATER INTRUSION IDENTIFIED DURING THE INVESTIGATION, AS DIRECTED BY THE OWNER AND ENGINEER. CONTRACTOR SHALL PERFORM INVESTIGATION AND REPAIR WORK ON A TIME AND MATERIAL BASIS. REFER TO BID FORM FOR ALLOWANCE. WRITTEN APPROVAL OF PROPOSED WORK SHALL BE OBTAINED PRIOR TO CONTRACTOR PERFORMING WORK.
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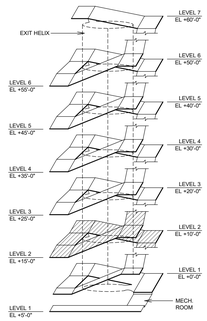
5. FOR FLOOR DRAIN REPLACEMENTS AND SUPPLEMENTAL FLOOR DRAINS, REFER TO PLUMBING PLANS FOR LOCATIONS AND DETAILS 6, 12, 13, AND 14 ON SHEET SR501 FOR ADDITIONAL INFORMATION.

KEY NOTES

1 AS DIRECTED BY ENGINEER AT VARIOUS LOCATIONS AT TOP OF TOPPING SLAB



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Kalamazoo, Michigan

City of Elmira
317 E. Church Street, Elmira, NY 14901

Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: RMULVANEY

REVIEWED BY: GEHMKE

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/2026

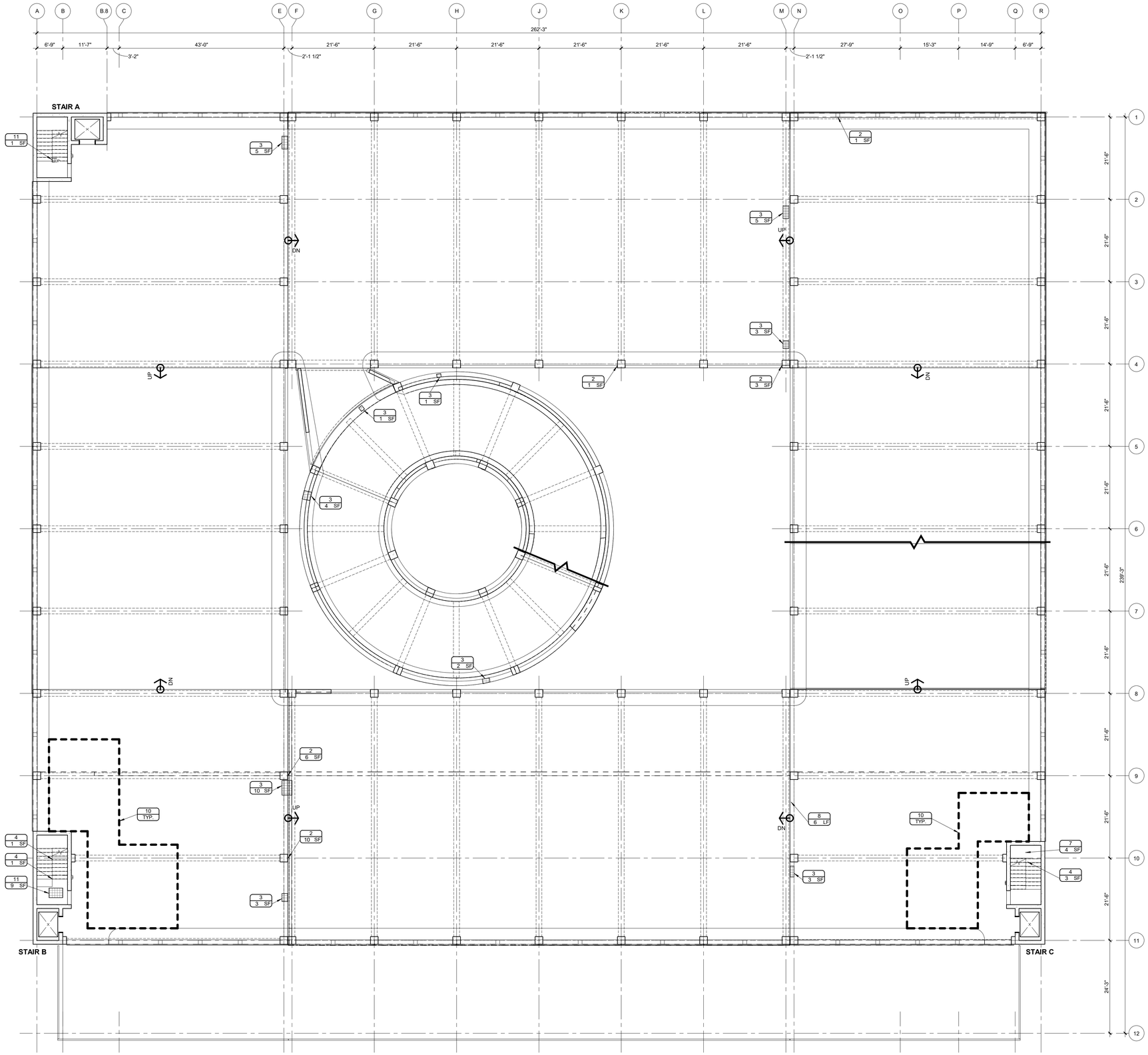
DRAWING NAME:

LEVEL 2 PLAN

DRAWING NUMBER:

SR102

2/16/2026 12:19:35 PM



PLAN SYMBOLS

- XXX / 0 SF — WORK ITEM NUMBER, REFER TO LIST BELOW; QUANTITY UNIT; QUANTITY OF REPAIR
- FLOOR REPAIR HATCH
- SOFFIT REPAIR HATCH
- AREA WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS
- BARRICADES TO RESTRICT ACCESS TO ROOF LEVEL OF PARKING GARAGE, REFER TO DTL 15/SR501

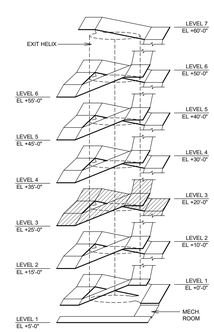
WORK ITEM NOTES

XXX / 0 SF

1. CEILING REPAIR - WAFFLE SLAB SYSTEM, REFER TO DTL 9 & 10/SR501.
2. COLUMN REPAIR, REFER TO DTL 4/SR501.
3. BEAM REPAIR, REFER TO DTL 3/SR501.
4. CONCRETE STAIR REPAIR, REFER TO DTL 5/SR501.
5. ROUT AND SEAL CRACKS AT CONCRETE CURB, REFER TO DTL 2/SR551.
6. REMOVE & REPLACE COVE SEALANT AND FULL SYSTEM TRAFFIC COATING, REFER TO DTL 6/SR551.
7. ROUT AND SEAL CRACKS, REFER TO DTL 2/SR551.
8. EXPANSION JOINT NOSING REPAIR (WINGED SEAL), REFER TO DTL 7/SR551.
9. LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL, REFER TO PLAN NOTE 3.
10. DECK COATING - PREP AND TOP COAT, 6" WIDE STRIP OVER EXISTING LINE STRIPING, REFER TO DTL 5/SR551 AND PLAN NOTE 4.
11. CEILING REPAIR, CIP CONCRETE STAIRS, REFER TO 11/SR501.

PLAN NOTES

1. REFER TO G002 FOR GENERAL NOTES.
2. REPAIRS SHOWN ON PLANS ARE FOR THE FLOOR AND SOFFIT (OVERHEAD) OF REPRESENTED LEVEL.
3. THE LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL WORK ITEM INCLUDES TIME AND MATERIALS NECESSARY FOR CONTRACTOR TO INVESTIGATE. IN COORDINATION WITH ENGINEER AND OWNER, THE ROOT CAUSE OF THE WATER INTRUSION FROM THE PARKING AREA INTO THE ADJACENT SHOPS AREA. CONTRACTOR SHALL PERFORM VISUAL INVESTIGATION AND POSSIBLY EXPLORATORY EXCAVATIONS AND WATER TESTING AS DIRECTED BY OWNER AND ENGINEER. FOLLOWING THE INVESTIGATION, CONTRACTOR SHALL PERFORM NECESSARY REPAIRS TO ADDRESS THE ROOT CAUSE OF THE WATER INTRUSION IDENTIFIED DURING THE INVESTIGATION, AS DIRECTED BY THE OWNER AND ENGINEER. CONTRACTOR SHALL PERFORM INVESTIGATION AND REPAIR WORK ON A TIME AND MATERIAL BASIS. REFER TO BID FORM FOR ALLOWANCE. WRITTEN APPROVAL OF PROPOSED WORK SHALL BE OBTAINED PRIOR TO CONTRACTOR PERFORMING WORK.
4. WHERE EXISTING PARKING SPACE LINE STRIPING CONFLICTS WITH NEW STRIPING, PREPARE SURFACE AND PROVIDE 6" WIDE STRIP OF TRAFFIC MEMBRANE TOP COAT COVERING THE EXISTING LINE STRIPE. COORDINATE WITH AP-SERIES PLANS. WORK ITEM APPLIES TO LINEAR STRIPES, WILL BE PAID FOR ON A LINEAL FOOT BASIS (REFER TO BID FORM), AND IS NOT INTENDED TO COVER LARGE AREAS.
5. FOR FLOOR DRAIN REPLACEMENTS AND SUPPLEMENTAL FLOOR DRAINS, REFER TO PLUMBING PLANS FOR LOCATIONS AND DETAILS 6, 12, 13, AND 14 ON SHEET SR501 FOR ADDITIONAL INFORMATION.



ISOMETRIC KEY PLAN

NORTH

LEVEL 3 PLAN

SCALE: 3/32" = 1'-0"

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

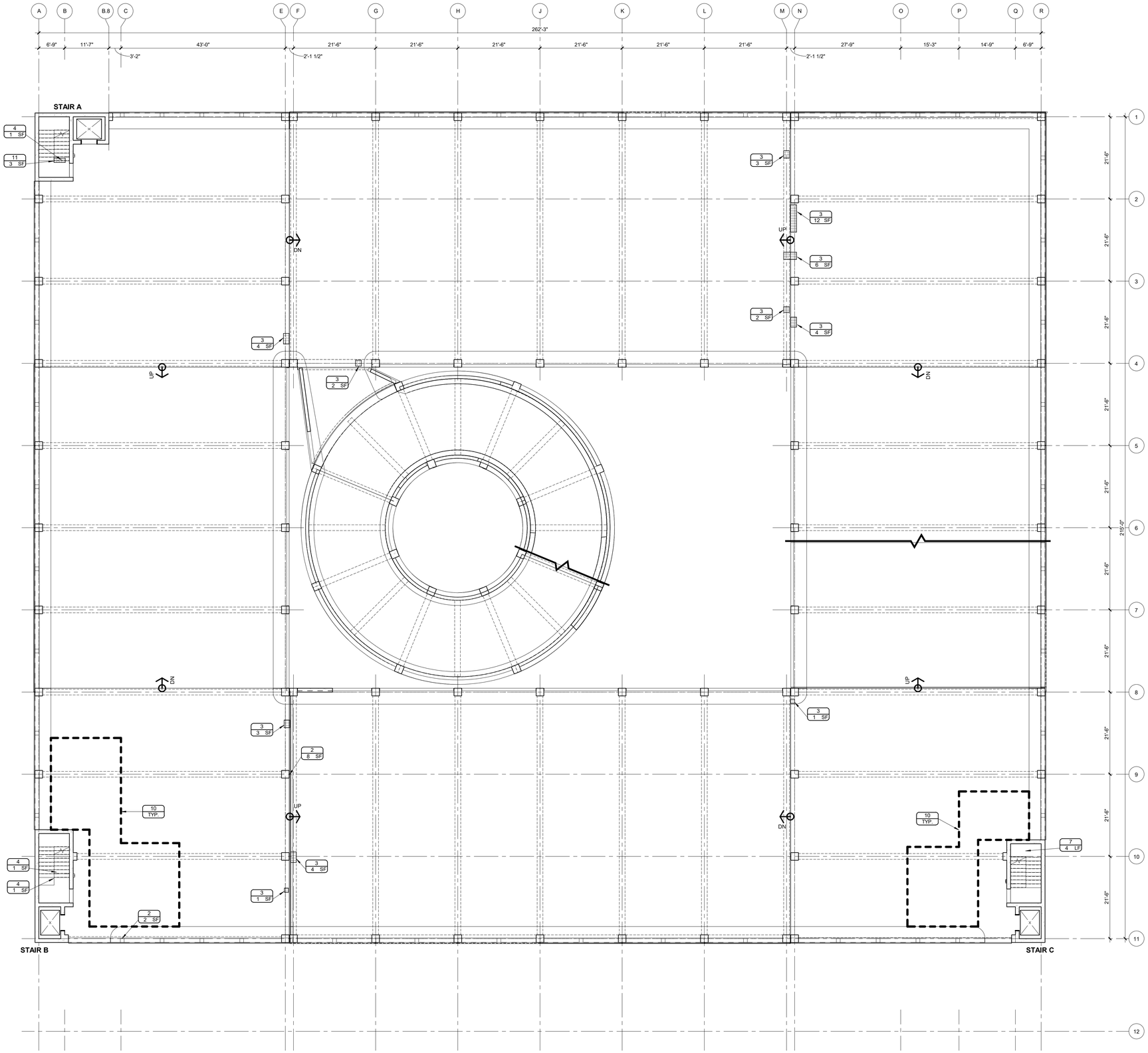
PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

LEVEL 3 PLAN

DRAWING NUMBER:

SR103

2/16/2026 12:19:39 PM



NORTH

LEVEL 4 PLAN

SCALE: 3/32" = 1'-0"

PLAN SYMBOLS

XXX / 0 SF — WORK ITEM NUMBER, REFER TO LIST BELOW; QUANTITY UNIT; QUANTITY OF REPAIR

FLOOR REPAIR HATCH

SOFFIT REPAIR HATCH

AREA WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS

BARRICADES TO RESTRICT ACCESS TO ROOF LEVEL OF PARKING GARAGE, REFER TO DTL 15/SR501

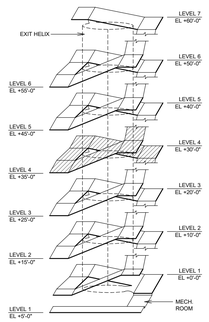
WORK ITEM NOTES

XXX / 0 SF

1. CEILING REPAIR - WAFFLE SLAB SYSTEM, REFER TO DTL 9 & 10/SR501.
2. COLUMN REPAIR, REFER TO DTL 4/SR501.
3. BEAM REPAIR, REFER TO DTL 3/SR501.
4. CONCRETE STAIR REPAIR, REFER TO DTL 5/SR501.
5. ROUT AND SEAL CRACKS AT CONCRETE CURB, REFER TO DTL 2/SR551.
6. REMOVE & REPLACE COVE SEALANT AND FULL SYSTEM TRAFFIC COATING, REFER TO DTL 6/SR551.
7. ROUT AND SEAL CRACKS, REFER TO DTL 2/SR551.
8. EXPANSION JOINT NOSING REPAIR (WINGED SEAL), REFER TO DTL 7/SR551.
9. LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL, REFER TO PLAN NOTE 3.
10. DECK COATING - PREP AND TOP COAT, 6" WIDE STRIP OVER EXISTING LINE STRIPING, REFER TO DTL 5/SR551 AND PLAN NOTE 4.
11. CEILING REPAIR, CIP CONCRETE STAIRS, REFER TO 11/SR501.

PLAN NOTES

1. REFER TO G002 FOR GENERAL NOTES.
2. REPAIRS SHOWN ON PLANS ARE FOR THE FLOOR AND SOFFIT (OVERHEAD) OF REPRESENTED LEVEL.
3. THE LEAK INVESTIGATION AND REPAIR AT PARKING/SHOPS WALL WORK ITEM INCLUDES TIME AND MATERIALS NECESSARY FOR CONTRACTOR TO INVESTIGATE, IN COORDINATION WITH ENGINEER AND OWNER, THE ROOT CAUSE OF THE WATER INTRUSION FROM THE PARKING AREA INTO THE ADJACENT SHOPS AREA. CONTRACTOR SHALL PERFORM VISUAL INVESTIGATION AND POSSIBLY EXPLORATORY EXCAVATIONS AND WATER TESTING AS DIRECTED BY OWNER AND ENGINEER. FOLLOWING THE INVESTIGATION, CONTRACTOR SHALL PERFORM NECESSARY REPAIRS TO ADDRESS THE ROOT CAUSE OF THE WATER INTRUSION IDENTIFIED DURING THE INVESTIGATION, AS DIRECTED BY THE OWNER AND ENGINEER. CONTRACTOR SHALL PERFORM INVESTIGATION AND REPAIR WORK ON A TIME AND MATERIAL BASIS. REFER TO BID FORM FOR ALLOWANCE. WRITTEN APPROVAL OF PROPOSED WORK SHALL BE OBTAINED PRIOR TO CONTRACTOR PERFORMING WORK.
4. WHERE EXISTING PARKING SPACE LINE STRIPING CONFLICTS WITH NEW STRIPING, PREPARE SURFACE AND PROVIDE 6" WIDE STRIP OF TRAFFIC MEMBRANE TOP COAT COVERING THE EXISTING LINE STRIPE. COORDINATE WITH AP-SERIES PLANS. WORK ITEM APPLIES TO LINEAR STRIPES, WILL BE PAID FOR ON A LINEAL FOOT BASIS (REFER TO BID FORM), AND IS NOT INTENDED TO COVER LARGE AREAS.
5. FOR FLOOR DRAIN REPLACEMENTS AND SUPPLEMENTAL FLOOR DRAINS, REFER TO PLUMBING PLANS FOR LOCATIONS AND DETAILS 6, 12, 13, AND 14 ON SHEET SR501 FOR ADDITIONAL INFORMATION.



ISOMETRIC KEY PLAN

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Centertown Parking Garage Improvements, Phase II
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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: RMULVANEY

REVIEWED BY: GEHMKE

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/2026

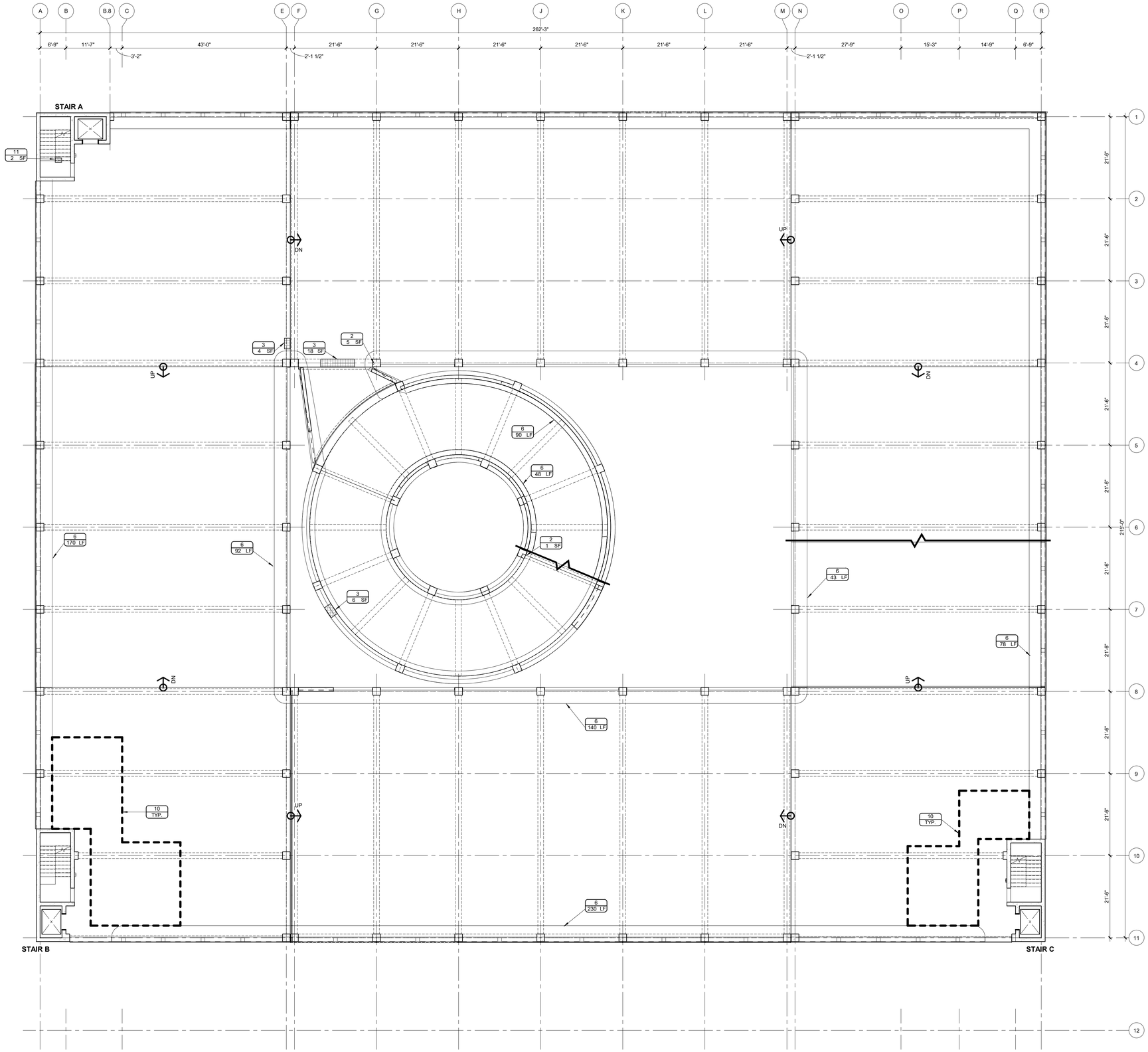
DRAWING NAME:

LEVEL 4 PLAN

DRAWING NUMBER:

SR104

2/16/2025 12:19:42 PM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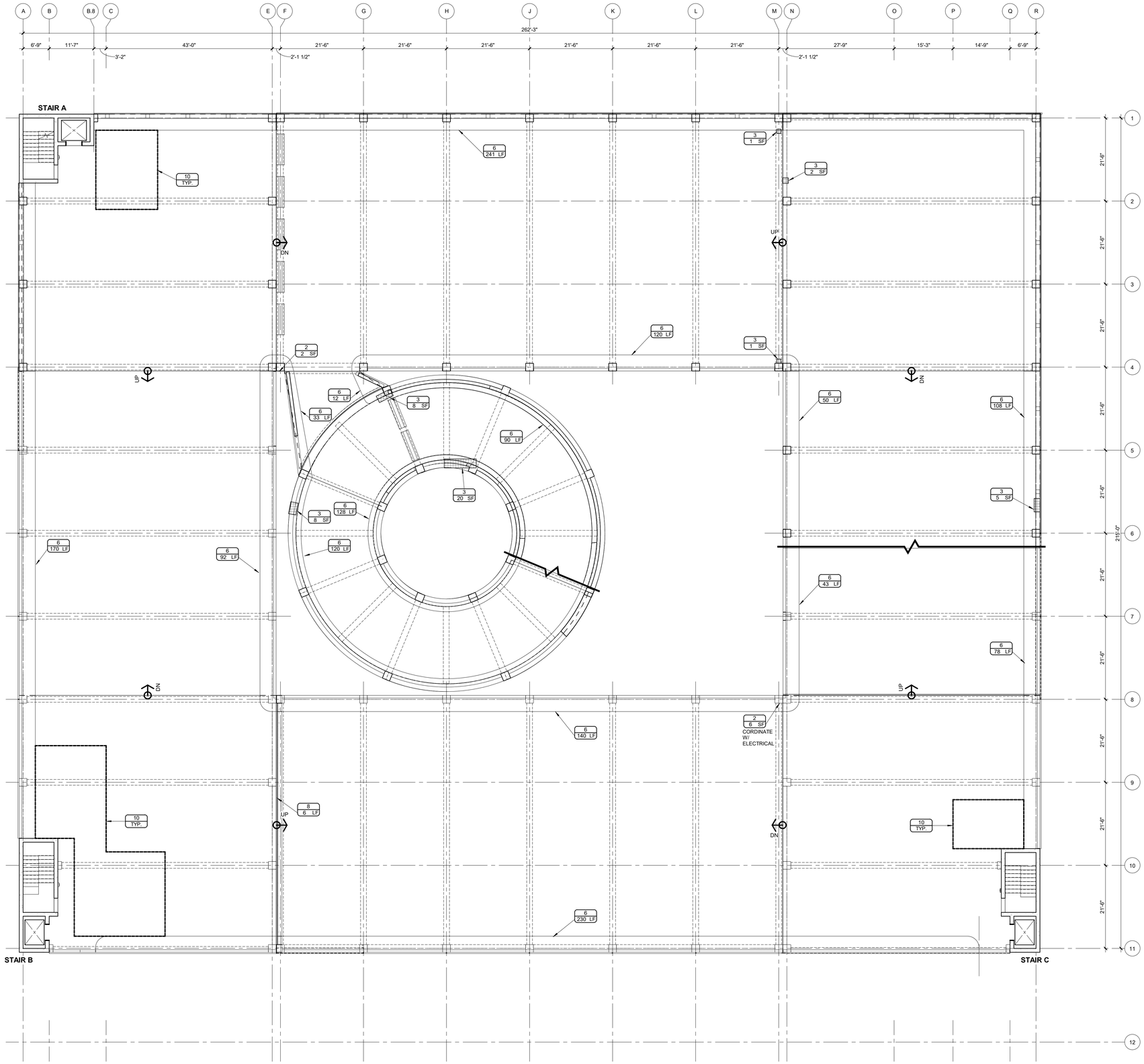
262'-3"
6'-9" 11'-7" 43'-0" 21'-6" 21'-6" 21'-6" 21'-6" 21'-6" 21'-6" 27'-9" 15'-3" 14'-9" 6'-9"
3'-2"
2'-1 1/2"
2'-1 1/2"
STAIR A
11 2 SF
3 4 SF
3 18 SF
2 5 SF
6 90 LF
6 48 LF
6 170 LF
6 92 LF
2 1 SF
3 6 SF
6 43 LF
6 78 LF
6 140 LF
10 TYP.
6 230 LF
10 TYP.
UP
DN
STAIR B
STAIR C
21'-6"
21'-6"
21'-6"



LEVEL 6 PLAN

SCALE: 3/32" = 1'-0"

NORTH

PLAN SYMBOLS

XXX / 0 SF — WORK ITEM NUMBER, REFER TO LIST BELOW; QUANTITY UNIT; QUANTITY OF REPAIR

FLOOR REPAIR HATCH

SOFFIT REPAIR HATCH

AREA WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS

BARRICADES TO RESTRICT ACCESS TO ROOF LEVEL OF PARKING GARAGE, REFER TO DTL 15/SR501

XXX / 0 SF WORK ITEM NOTES

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2. COLUMN REPAIR, REFER TO DTL 4/SR501.
3. BEAM REPAIR, REFER TO DTL 3/SR501.
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6. REMOVE & REPLACE COVE SEALANT AND FULL SYSTEM TRAFFIC COATING, REFER TO DTL 6/SR551.
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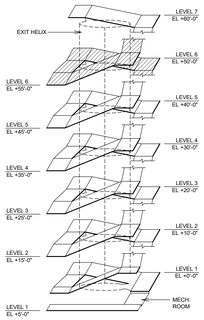

ISOMETRIC KEY PLAN

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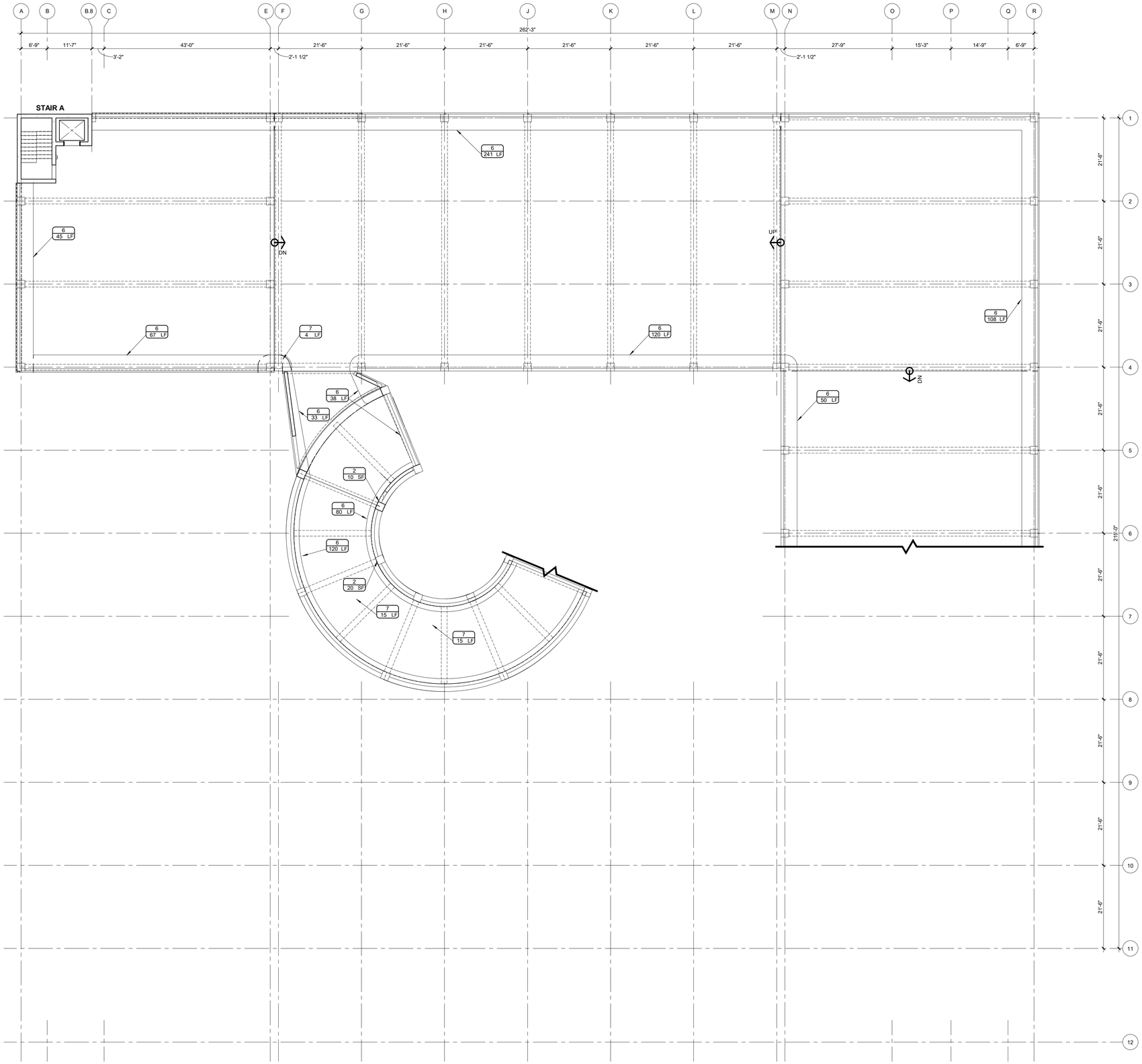
NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME: LEVEL 6 PLAN
DRAWING NUMBER: SR106

2/16/2026 12:19:49 PM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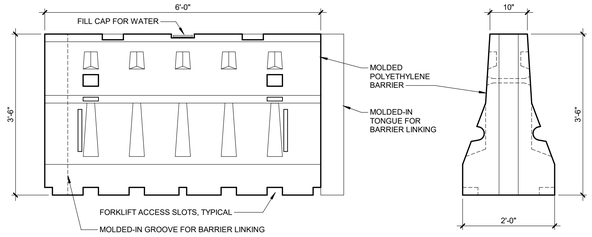
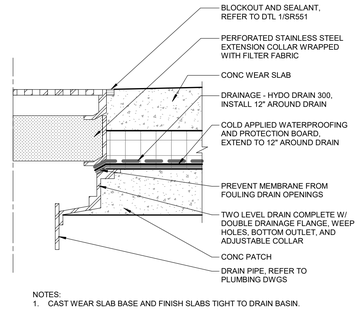
262'-3"
6'-9" 11'-7" 43'-0" 21'-6" 21'-6" 21'-6" 21'-6" 21'-6" 21'-6" 27'-9" 15'-3" 14'-9" 6'-9"
3'-2"
2'-1 1/2"
2'-1 1/2"
STAIR A
6 241 LF
6 45 LF
DN
UP
6 67 LF
7 4 LF
6 120 LF
6 108 LF
DN
6 38 LF
6 33 LF
6 50 LF
2 10 SF
6 80 LF
6 120 LF
2 20 SF
7 15 LF
7 15 LF
21'-6"
21'-6"
21'-6"

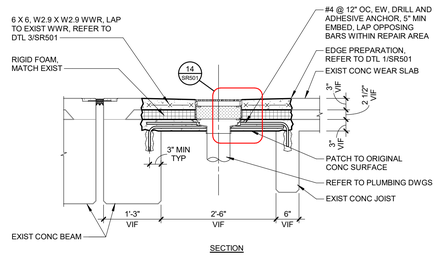


15 WATER-FILLED BARRIER DETAIL
SCALE: 3/4" = 1'-0"



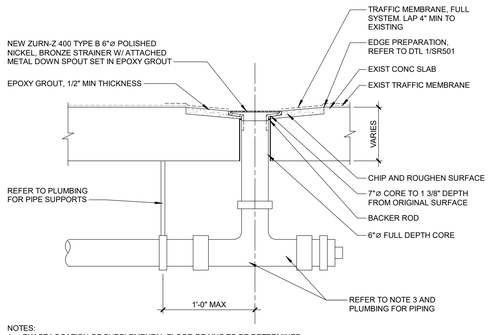
NOTES:
1. CAST WEAR SLAB BASE AND FINISH SLABS TIGHT TO DRAIN BASIN.

14 FLOOR DRAIN DETAIL
SCALE: 3" = 1'-0"



CONCRETE WORK TO BE DONE BY CONCRETE CONTRACTOR.
SEALANT AND WATERPROOFING IS TO BE DONE BY THE SEALANT AND WATERPROOFING CONTRACTOR.
DRAINS AND PIPING TO BE DONE BY PLUMBING CONTRACTOR.

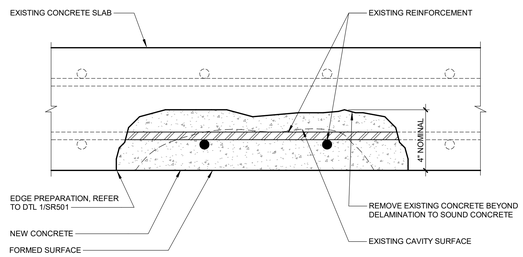
13 FLOOR DRAIN DETAIL - WAFFLE SLAB
SCALE: 3/4" = 1'-0"



NOTES:
1. EXACT LOCATION OF SUPPLEMENTAL FLOOR DRAINS TO BE DETERMINED IN FIELD WITH PONDING TEST (BY CONTRACTOR).
2. FIELD LOCATE EXIST REINF AND PT TENDONS (WHERE APPLICABLE).
3. PROVIDE 6'-5" MIN CLEARANCE FOR ALL NEW PIPING.

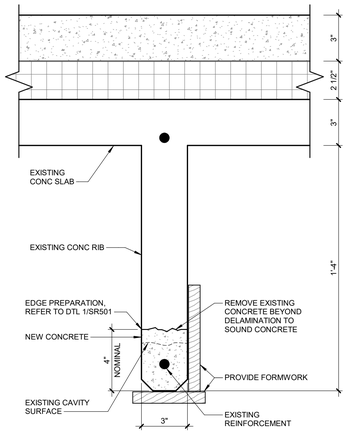
CONCRETE WORK TO BE DONE BY CONCRETE CONTRACTOR.
SEALANT AND WATERPROOFING IS TO BE DONE BY THE SEALANT AND WATERPROOFING CONTRACTOR.
DRAINS AND PIPING TO BE DONE BY PLUMBING CONTRACTOR.

12 SUPPLEMENTAL FLOOR DRAIN DETAIL
SCALE: 1 1/2" = 1'-0"

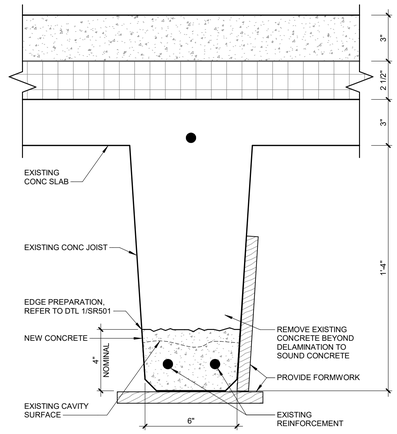


NOTES:
1. SHORING WILL BE REQUIRED DURING CEILING REPAIRS.
2. ABRASIVE BLAST AND COAT ALL EXPOSED STEEL.

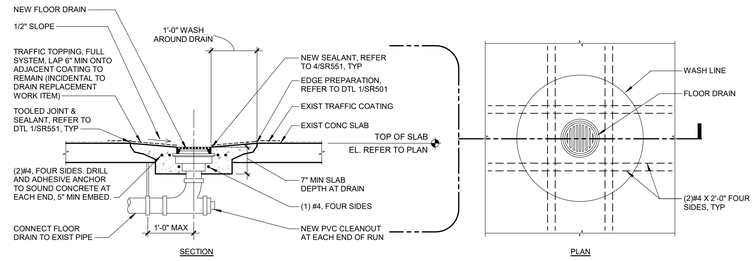
11 PARTIAL DEPTH SOFFIT DELAMINATION REPAIR
SCALE: 3" = 1'-0"



10 RIB REPAIR
SCALE: 3" = 1'-0"



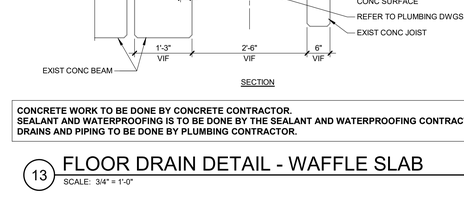
9 JOIST REPAIR
SCALE: 3" = 1'-0"



NOTE: REFER TO PLUMBING DRAWINGS FOR LOCATIONS AND ADDITIONAL INFORMATION.

CONCRETE WORK TO BE DONE BY CONCRETE CONTRACTOR.
SEALANT AND WATERPROOFING IS TO BE DONE BY THE SEALANT AND WATERPROOFING CONTRACTOR.
DRAINS AND PIPING TO BE DONE BY PLUMBING CONTRACTOR.

6 PT SLAB FLOOR DRAIN DETAIL
SCALE: 3/4" = 1'-0"

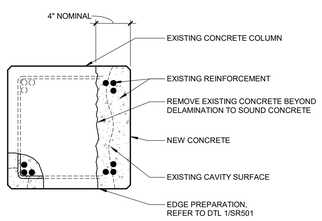


NOTES:
1. MATCH EXISTING POST SIZES.
2. GRIND WELD FLUSH.
3. PRIME & PAINT POST TO MATCH EXISTING.
4. CONCRETE WORK IS INCIDENTAL AND INCLUDED.

5 RAIL POST REPAIR
SCALE: 1 1/2" = 1'-0"

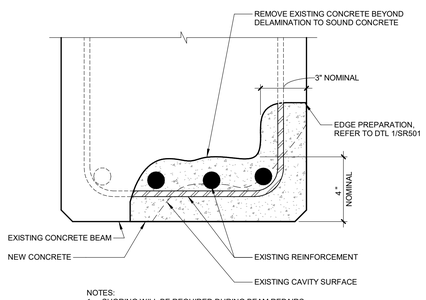
8 DETAIL NOT USED
SCALE: 3/4" = 1'-0"

7 DETAIL NOT USED
SCALE: 3/4" = 1'-0"



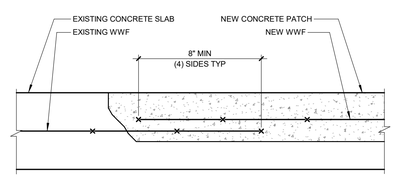
NOTES:
1. SHORING WILL BE REQUIRED DURING COLUMN REPAIRS.
2. ABRASIVE BLAST AND COAT ALL EXPOSED STEEL.

4 COLUMN DELAMINATION REPAIR
SCALE: 1" = 1'-0"



NOTES:
1. SHORING WILL BE REQUIRED DURING BEAM REPAIRS.
2. ABRASIVE BLAST AND COAT ALL EXPOSED STEEL.

3 BEAM DELAMINATION REPAIR
SCALE: 3" = 1'-0"



2 WWF SPLICE DETAIL
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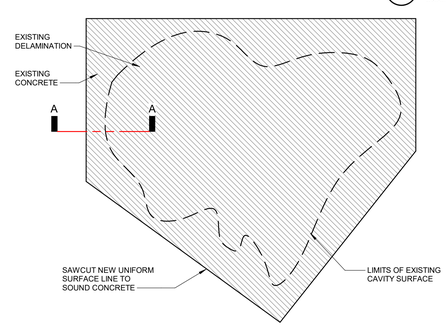

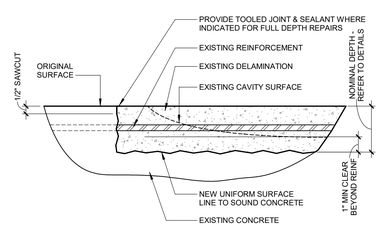

1 EDGE PREPARATION DETAIL
SCALE: 3" = 1'-0"

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: RMULVANEY
REVIEWED BY: GEHMKE
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

RESTORATION DETAILS

DRAWING NUMBER:

SR501

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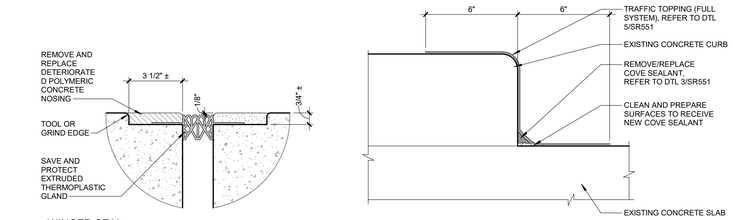
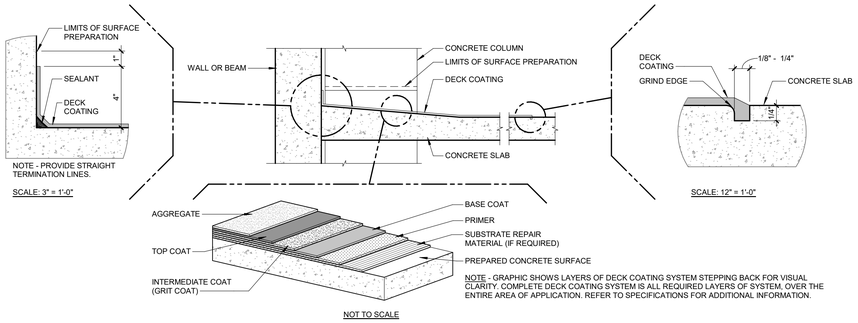


WINGED SEAL

7 EXP. JOINT NOSING REPAIR
SCALE: 3" = 1'-0"

6 CURB SEALANT REPAIR
SCALE: 3" = 1'-0"



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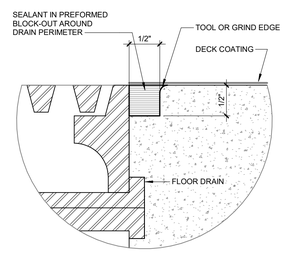
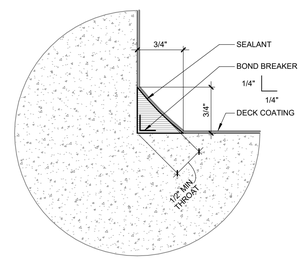


4 SEALANT DETAIL
SCALE: 12" = 1'-0"



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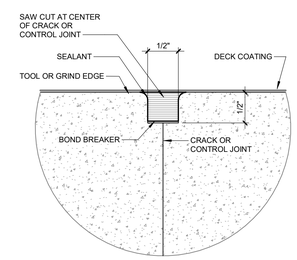

2 SEALANT DETAIL
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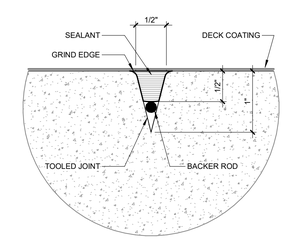

1 SEALANT DETAIL
SCALE: 12" = 1'-0"

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PROJECT NUMBER: 2242076

DRAWN BY: RMULVANEY

REVIEWED BY: GEHMKE

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/2026

DRAWING NAME:

WATERPROOFING DETAILS

DRAWING NUMBER:

SR551

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ELECTRICAL LEGEND

ELECTRICAL GENERAL NOTES

1. FOR EXACT LOCATIONS AND SURFACE FINISH CONDITIONS OF CEILINGS, WALLS, OR FLOORS, REFER TO ARCHITECTURAL DRAWINGS.
2. REFER TO HAZARDOUS MATERIALS DRAWINGS FOR LOCATIONS OF HAZARDOUS OR POSSIBLE HAZARDOUS MATERIALS BEFORE PERFORMING ANY WORK ON EXISTING STRUCTURES.
3. FOR EXACT LOCATION OF FACILITY EXPANSION JOINTS, FIRE RATED WALLS, AND SMOKE WALLS, REFER TO ARCHITECTURAL DRAWINGS.
4. FOR EXACT LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES, AND TAMPER SWITCHES REFER TO HVAC / FP DRAWINGS.
5. VERIFY EXACT LOCATION OF CONNECTION POINTS PRIOR TO ROUGH-IN.
6. COORDINATE LOCATIONS OF ALL RECEPTACLES AND LUMINAIRES IN MECHANICAL SPACES WITH HVAC CONTRACTOR PRIOR TO ROUGH-IN TO AVOID CONFLICTS WITH EQUIPMENT AND DUCTWORK.
7. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS NOTED OTHERWISE, EXCEPT FOR PENDANT LIGHTING WHICH ARE TO THE BOTTOM OF THE LUMINAIRE. FOR AREAS WITH DIFFERENT FLOOR LEVELS, HEIGHT IS BASED UPON CLOSEST FLOOR OR LANDING TO DEVICE, EQUIPMENT, OR LUMINAIRE. ELEVATIONS GIVEN ON LEGEND SHEET ARE UNLESS NOTED OTHERWISE ON DRAWINGS.
8. PROVIDE RACEWAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED BRANCH CIRCUITS FROM DEVICE(S) TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.
9. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12 AWG. SIZE BRANCH CIRCUIT CONDUCTORS AS PER NEC AND AS SCHEDULED ON THIS DRAWING BASED ON ACTUAL CIRCUIT DISTANCE. INCLUDE GROUND CONDUCTOR DERATINGS.
10. PULL A SEPARATE NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS REQUIRING A NEUTRAL CONNECTION. DERATE CONDUCTORS PER NEC ACCORDINGLY. MULTIWIRE BRANCH CIRCUITS ARE NOT ACCEPTABLE.
11. PROVIDE GROUNDING PER NEC & TIA 607B. PROVIDE GREEN GROUND CONDUCTOR IN ALL BRANCH AND FEEDER CIRCUITS.
12. DO NOT INSTALL ANY NEW WORK DIRECTLY ABOVE ANY ELECTRICAL PANELS, SWITCHBOARDS, SWITCHGEAR, OR TRANSFORMERS.
13. CIRCUIT NUMBERS SHOWN FOR EQUIPMENT TO BE CONNECTED TO EXISTING PANELBOARD(S) IS SHOWN FOR DESIGN INTENT ONLY AND MAY NOT CORRESPOND TO ACTUAL CIRCUIT BREAKER MOUNTING POSITION IN THE PANEL. UPDATE THE RECORD DRAWINGS & PANELBOARD DIRECTORY WITH THE ACTUAL CIRCUIT NUMBERS USED TO CORRESPOND TO THE PANEL DIRECTORY.
14. CONFIRM ALL LABELS AND ROOM NUMBERS WITH OWNER PRIOR TO FINALIZING LABELING AND PROGRAMMING.
15. COORDINATE FINAL OUTLET LOCATION WITH ALL TRADES AND FURNITURE/MILLWORK PLACEMENT PRIOR TO ROUGH-IN. GENERAL CONTRACTOR SHALL PROVIDE ALL DRILLING AND GROMMETING IN FURNITURE/CASEWORK FOR CORD ACCESS IF REQUIRED.
16. REFER TO SHEET **E50X** FOR DETAILS SHOWING PLACEMENT OF DEVICES INSTALLED AT DOORWAYS.
17. INSTALL DATA OUTLETS 6" ADJACENT TO ASSOCIATED ELECTRICAL OUTLET.
18. SWITCHES SHOWN SIDE BY SIDE OR GANGED SHALL BE INSTALLED UNDER A COMMON COVERPLATE, UNLESS NOTED OTHERWISE.
19. PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, CEILINGS, & ROOFS AS CALLED OUT ON ARCHITECTURAL PLANS. PROVIDE ACOUSTICAL SEALANT AT PENETRATIONS THROUGH ALL NON-FIRE RATED WALLS, FLOORS, & CEILINGS.
20. PROVIDE CONDUIT EXPANSION JOINTS AT ALL EXPANSION JOINTS AS CALLED OUT ON ARCHITECTURAL PLANS.
21. SITE PLAN CONDUIT ROUTING SHOWN FOR INTENT. REFERENCE CIVIL DRAWINGS FOR UNDERGROUND COORDINATION AND DISTANCE OF RUNS. COORDINATE WITH ALL TRADES.
22. FINAL QUANTITY AND LOCATION OF WIRELESS DATA OUTLETS IDENTIFIED ON THE FLOOR PLANS SHALL BE VERIFIED WITH THE WIRELESS ACCESS POINT MANUFACTURER BASED ON THE MODEL NUMBER UTILIZED PRIOR TO INSTALLATION/ROUGH-IN.

ABBREVIATIONS

A	AMPERE	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
AHU	AIR HANDLING UNIT	MCA	MINIMUM CIRCUIT AMPERES
AIC	AMPERE INTERRUPTING CAPACITY	MCB	MAIN CIRCUIT BREAKER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MCC	MOTOR CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANELBOARD
AV	AUDIO VISUAL	MECH	MECHANICAL
AVG	AVERAGE	MIC	MICROPHONE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
		MOCP	MAXIMUM OVERCURRENT PROTECTION
BAS	BUILDING AUTOMATION SYSTEM	MTD	MOUNTED
BLDG	BUILDING		
		NEC	NATIONAL ELECTRICAL CODE
CND	CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CKT	CIRCUIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CLG	CEILING	NIC	NOT IN CONTRACT
CO	COMPANY/CARBON MONOXIDE	NL	NIGHT LIGHT
		NTS	NOT TO SCALE
DC	DIRECT CURRENT		
DISC	DISCONNECT	P	POLE
DIV	DIVISION	PA	PUBLIC ADDRESS
DWG	DRAWING	PNL	PANEL
		POE	POWER OVER ETHERNET
EC	ELECTRICAL CONTRACTOR	PRI	PRIMARY
EF	EXHAUST FAN	PTZ	PAN TILT ZOOM
ELEC	ELECTRIC	PVC	POLYVINYL CHLORIDE
ELEV	ELEVATOR		
EQUIP	EQUIPMENT	RCP	REFLECTED CEILING PLANS
EWC	ELECTRIC WATER COOLER	REC	RECEPTACLE
		REF	REFRIGERATOR
FA	FIRE ALARM	RM	ROOM
FAAP	FIRE ALARM ANNUNCIATOR PANEL		
FACP	FIRE ALARM CONTROL PANEL	SEC	SECONDARY
		SPEC	SPECIFICATION
GC	GENERAL CONTRACTOR	SPKR	SPEAKER
GFCI	GROUND FAULT CIRCUIT INTERRUPTING		
GFI	GROUND FAULT INTERRUPTING	TV	TELEVISION
G	GROUND	TYP	TYPICAL
HOA	HAND-OFF-AUTO	UNO	UNLESS NOTED OTHERWISE
HP	HORSEPOWER	UPS	UNINTERRUPTIBLE POWER SUPPLY
J-BOX	JUNCTION BOX	V	VOLT
		VA	VOLT-AMPERE
kAIC	KILOAMPERE INTERRUPTING CURRENT	VAC	VOLTS ALTERNATING CURRENT
kV	KILOVOLT	VDC	VOLTS DIRECT CURRENT
kVA	KILOVOLT AMPERE	VFD	VARIABLE FREQUENCY DRIVE
kW	KILOWATT	VEND	VENDING MACHINE
LED	LIGHT EMITTING DIODE	W	WATT
LTG	LIGHTING	WAP	WIRELESS ACCESS POINT
LV	LOW VOLTAGE	WP	WEATHERPROOF
		WR	WEATHER RESISTANT
		XFMR	TRANSFORMER

ELECTRICAL DEMOLITION GENERAL NOTES

1. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. WHERE EQUIPMENT IS SCHEDULED TO BE REMOVED, ABANDON CONCEALED RACEWAY AND REMOVE CONDUCTORS BACK TO SOURCE OR LAST SCHEDULED DEVICE TO REMAIN. REMOVE EXPOSED RACEWAY AND CONDUCTORS BACK TO POWER SOURCE OR LAST DEVICE SCHEDULED TO REMAIN IN ALL OTHER AREAS.
2. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, THEY SHALL BE CONCEALED BY CUTTING AND PATCHING THE WALLS UNLESS OTHERWISE NOTED.
3. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. PROVIDE SPECIAL COVERPLATES TO SUIT FIELD CONDITIONS.
4. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.
5. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.
6. STORE REMOVED ELECTRICAL EQUIPMENT SUCH AS LUMINAIRES, POWER AND COMMUNICATION DEVICES, DISTRIBUTION EQUIPMENT, CONTROLLERS, ETC. ON JOB SITE FOR REUSE UNTIL SUBSTANTIAL COMPLETION OR PROJECT CLOSEOUT. PROVIDE OWNER RIGHT OF FIRST REFUSAL OF ELECTRICAL EQUIPMENT OTHERWISE REMOVE THOSE FROM SITE AT CONTRACTORS EXPENSE IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS THAT THE OWNER DOES NOT WISH TO SALVAGE.
7. EXISTING DEVICE LOCATIONS WERE IDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS BUT NECESSARY FOR PROJECT RENOVATIONS TO CONFORM WITH INTENT OF DOCUMENTS. VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL DEMOLITION WORK REQUIRED TO COMPLETE THE NEW CONSTRUCTION. CONTRACTOR SHALL PROVIDE IN BASE BID A NOMINAL AMOUNT OF UNKNOWN BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING BEING REMOVED OR RELOCATED FOR NEW WORK.
8. WHERE DEMOLITION OF DEVICE OR EQUIPMENT AND REMOVAL OF CONDUIT OR OTHER ACCESSORY LEAVES OPENINGS IN THE FLOORS, WALLS, OR CEILINGS, SAME SHALL BE PATCHED AND PAINTED TO MATCH EXISTING ADJACENT FINISH. ALL OPENINGS IN FLOORS SHALL BE PINNED WITH REBAR.
9. REFER TO DEMOLITION DRAWINGS & NOTES OF ALL CONTRACTS OR TRADES FOR COORDINATION.
10. IN AREAS OF DEMOLITION WHERE THE REMOVAL OF ELECTRICAL EQUIPMENT INTERFERES WITH THE NORMAL BUILDING OPERATIONS AND SYSTEMS, CONSULT WITH THE OWNER PRIOR TO PERFORMING ANY DEMOLITION.
11. WHERE UNFORESEEN CONDITIONS CONFLICT WITH CONTRACT DOCUMENTS, SUBMIT AN RFI PRIOR TO PROCEEDING WITH ANY WORK.
12. WHERE DEVICES ARE SCHEDULED FOR RELOCATION, DISCONNECT AND REMOVE EXISTING DEVICE AND REMOVE ASSOCIATED WIRING. RELOCATE DEVICE AS SHOWN, EXTEND WIRING AS REQUIRED, AND MATCH EXISTING.
13. WHERE REMOVALS AFFECT EXISTING CIRCUITS SCHEDULED TO REMAIN, MAINTAIN CONTINUITY OF POWER TO THESE CIRCUITS AND EXTEND WIRING AS NEEDED.
14. WHERE ANY EMPTY BACKBOXES OR EMPTY JUNCTION BOXES REMAIN DUE TO ELECTRICAL DEMOLITION, PROVIDE COVERPLATE(S) OVER EXISTING BOX(ES).
15. WHERE EQUIPMENT CONNECTIONS ARE SHOWN, REMOVE ELECTRICAL CONNECTION, CONDUIT AND WIRE BACK TO POWER SOURCE. DISCONNECT AND REMOVE ASSOCIATED CONTROLLER SERVING EQUIPMENT AND ASSOCIATED CONTROL WIRING.
16. DISCONNECT AND REMOVE EXISTING ELECTRIC WORK NOT NECESSARY FOR EXISTING OR NEW INSTALLATION, BUT INTERFERING WITH NEW CONSTRUCTION.
17. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ANY AND ALL EXISTING ELECTRIC WORK REQUIRED TO REMAIN, BUT INTERFERING WITH NEW CONSTRUCTION.
18. WHERE DEMOLITION NOTES SCHEDULE EXISTING WIRING DEVICES, LIGHTING FIXTURES, SYSTEMS DEVICES, EQUIPMENT CONNECTIONS, ETC. TO BE "DISCONNECTED AND REMOVED IN THE ENTIRETY". THE CONTRACTOR SHALL DISCONNECT AND REMOVE THE EXISTING LIGHTING FIXTURE, WIRING DEVICES, COVERPLATES, BRANCH CIRCUIT WIRING, CONDUIT OR RACEWAY, OUTLET AND/OR SPLICE BOX(ES) ETC. BACK TO EITHER LAST DEVICE SCHEDULED TO REMAIN, OR BACK TO POWER SOURCE.
19. PROPERLY DISPOSE OF ALL PCB CONTAINING FLUORESCENT BALLASTS MANUFACTURED PRIOR TO 1980 ACCORDING TO STATE AND FEDERAL REGULATIONS.
20. IF ADDITIONAL SUSPECT ASBESTOS-CONTAINING MATERIALS ARE DISCOVERED DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER AND ARCHITECT TO WITH REGARD TO CONDUCTING ADDITIONAL BULK SAMPLING AND ABATEMENT AT THE OWNER'S EXPENSE.
21. PROVIDE ALL REQUIRED CUTTING AND PATCHING. CUT AND DRILL FROM BOTH SIDES OF WALLS AND/OR FLOORS TO ELIMINATE SPLAYING. PATCH ALL CUT OR ABANDONED HOLES LEFT BY REMOVALS OF EQUIPMENT OR FIXTURES. PATCH ADJACENT EXISTING WORK DISTURBED BY INSTALLATION OF NEW WORK INCLUDING INSULATION, WALLS AND WALL COVERING, CEILING AND FLOOR COVERING, AND OTHER FINISHED SURFACES. PATCH OPENINGS AND DAMAGED AREAS EQUAL TO EXISTING SURFACE FINISH. CUT OPENINGS IN PREFABRICATED CONSTRUCTION UNITS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. INCLUDE PAINTING FOR PATCHWORK WITH COLOR TO MATCH ADJACENT SURFACES. WHERE COLOR CANNOT BE ADEQUATELY MATCHED, PAINT ENTIRE SURFACE. PROVIDE ONE (1) COAT OF PRIMER AND TWO (2) FINISH COATS.

DEVICE SUBSCRIPTS

II	ROMAN NUMERAL INDICATES QUANTITY OF GANGED DEVICES UNDER COMMON FACEPLATE
+xx	HEIGHT OF DEVICE ABOVE FINISHED FLOOR (IN INCHES)
a	LOWER CASE LETTER(S) INDICATES SWITCH CONTROL ARRANGEMENT
5	NUMERAL INDICATES BRANCH CIRCUIT NUMBER (POWER & LIGHTING)/CANDELA RATING (FIRE ALARM DEVICES)
C	INSTALL ABOVE COUNTER, AT 40" AFF. COORDINATE WITH GC
D	DIMMER SWITCH (LIGHTING CONTROL)
ETR	EXISTING TO REMAIN
EWC	RECEPTACLE FOR WATER COOLER. COORDINATE EXACT LOCATION WITH GC & PC PRIOR TO ROUGH-IN
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED
K	KEY OPERATED
LV	LOW VOLTAGE
MCW	RECEPTACLE FOR MICROWAVE , INSTALL IN UPPER CABINET, COORDINATE EXACT LOCATION WITH GC PRIOR TO ROUGH-IN
NL	NIGHT LIGHT LUMINAIRE (UNSWITCHED / INTEGRAL NIGHT LIGHT STYLE RECEPTACLE
O	OCCUPANCY SENSOR (AUTOMATIC 'ON' LIGHTING SENSOR SWITCH)
P	PILOT STYLE TOGGLE SWITCH (PILOT LIGHT 'ON' WHILE DEVICE IS ON OR POWERED)
REF	RECEPTACLE FOR REFRIGERATOR , INSTALL 44" AFF
TR	TAMPER RESISTANT
TV	FOR TELEVISION/MONITOR, INSTALL 72" AFF
UC	INSTALL UNDER COUNTER. COORDINATE EXACT LOCATION WITH GC PRIOR TO ROUGH-IN
USB	RECEPTACLE WITH USB CHARGING PORTS
VEND	RECEPTACLE FOR VENDING MACHINE, INSTALL 44" AFF
V	VACANCY SENSOR (MANUAL 'ON' LIGHTING SENSOR SWITCH)
WG	WIRE GUARD
WP	WEATHERPROOF DEVICE / WEATHERPROOF WHILE-IN-USE EXTRA DUTY COVER & WEATHER RESISTANT RECEPTACLE
WR	WEATHER RESISTANT DEVICE/WEATHER RESISTANT RECEPTACLE

GENERAL LINEWORK DESCRIPTIONS & DRAWINGS NOTES

- NEW WORK
- EXISTING WORK / FUTURE PROVISIONS / NOT IN CONTRACT WORK
- WORK TO BE REMOVED (DEMO PLANS) - DEVICE AND ALL ASSOCIATED ELECTRICAL WORK SHALL BE REMOVED BACK TO THE SOURCE, UNLESS NOTED OTHERWISE / UNDERFLOOR CONDUIT (NEW PLANS)
- WIRE AND / OR CONDUIT RUN CONTINUED ON REFERENCED DETAIL
- MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWING
- CALLOUT BOUNDARY - DETAIL AND / OR SECTION REFERENCE / SCOPE OF WORK
- BRANCH CIRCUIT BOUNDARY
- (#) DRAWING KEYED NOTES
- SYMBOL WITH TAIL INDICATES WALL INSTALLATION, HEIGHT AS INDICATED
- INDICATES MULTIPLE DEVICES OF DIFFERENT TYPES INSTALLED UNDER COMMON COVERPLATE AT ONE LOCATION (DEVICES SHALL BE INSTALLED UNDER A COMMON COVERPLATE)

PANELBOARDS

DOOR STYLE (DESIGNATES VOLTAGE):

- 208/120V OR 240V SYSTEM
- 480/277V SYSTEM

EQUIPMENT CONNECTIONS

- SINGLE PHASE MOTOR/PUMP CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE
- THREE PHASE MOTOR/PUMP CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE
- SINGLE POINT EQUIPMENT CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE

RACEWAY, BOXES, & BUSWAY

- PP — POWER ASSIST PUSH PLATE BACKBOX- MOUNTED 44" AFF
- J — JUNCTION BOX, HEIGHT AS INDICATED
- SYSTEMS CABINET, SURFACE OR FLUSH AS SHOWN, TOP OF TRIM 74" AFF
- MSB# — MULTI-SERVICE BOX, REFER TO MULTI-SERVICE BOX SCHEDULE FOR DETAILED INFORMATION

ELECTRICAL EQUIPMENT

- DISCONNECT SWITCH, TYPE PER EQUIPMENT CONNECTION SCHEDULE **[UNFUSED DISCONNECT SWITCH]**, SURFACE MOUNTED 48" AFF
- F — FUSED DISCONNECT SWITCH, SURFACE MOUNTED 48" AFF
- CB — SEPARATELY ENCLOSED CIRCUIT BREAKER, SURFACE MOUNTED 44" AFF
- M — FRACTIONAL HORSEPOWER MOTOR CONTROLLER, RECESSED 44" AFF OR ABOVE CEILING (MANUAL THERMAL SWITCH)
- F — COMBINATION MOTOR CONTROLLER/DISCONNECT, PER EQUIPMENT CONNECTION SCHEDULE, 48" AFF
- MOTOR CONTROLLER, PER EQUIPMENT CONNECTION SCHEDULE, 48" AFF
- VSD / VFD — VARIABLE SPEED DRIVE/VARIABLE FREQUENCY DRIVE
- T — TRANSFORMER (PLAN NOTATION)

ELECTRICAL DEVICES

GENERAL ELECTRICAL DEVICE NOTATION:

SOURCE PANELBOARD (IF OTHER THAN NOTED ON SHEET/CIRCUIT BOUNDARY) — 15 / 1LNL1 — 30" / PL — CIRCUIT # — INSTALLATION HEIGHT TO CENTER OF DEVICE IN INCHES (IF OTHER THAN SPECIFIED ON LEGEND) — SUBSCRIPT (IF APPLICABLE)

- NEMA 5-20R DUPLEX RECEPTACLE, 18" AFF
- NEMA 5-20R GFCI DUPLEX RECEPTACLE, 18" AFF
- NEMA 5-20R QUADPLEX (DOUBLE DUPLEX) RECEPTACLE, 18" AFF
- NEMA 5-20R GFCI QUADPLEX (GFCI REC W/ DUPLEX ON LOAD SIDE UNDER COMMON COVERPLATE) RECEPTACLE, 18" AFF

LIGHTING CONTROL DEVICES

NOTE: LIGHTING CONTROL DEVICES SHOW FUNCTIONAL REQUIREMENTS, NOT ALL DEVICES NEEDED FOR A FULLY FUNCTIONING SYSTEM. DEPENDING ON CONFIGURATION AND MANUFACTURER, DEVICES SUCH AS POWER PACKS, RELAYS, SINGLE/DOUBLE/TRIPLE OUTPUT ROOM CONTROLLERS MAY BE NECESSARY. REFER TO DETAILS & SPECIFICATIONS.

- $ — SINGLE POLE TOGGLE SWITCH, 44" AFF
- $DP — DOUBLE POLE TOGGLE SWITCH, 44" AFF
- $3 — 3-WAY TOGGLE SWITCH, 44" AFF
- $4 — 4-WAY TOGGLE SWITCH, 44" AFF
- $LV — 2 BUTTON SWITCH, SINGLE OR MULTIPLE LOCATION FUNCTIONALITY AS SHOWN LOW VOLTAGE DIGITAL NETWORK TYPE, 44" AFF
- $D — DIMMING SWITCH, SINGLE OR MULTIPLE LOCATION FUNCTIONALITY AS SHOWN, **[LOW VOLTAGE DIGITAL NETWORK TYPE]**, 44" AFF
- $O — OCCUPANCY SENSOR SWITCH, DUAL TECHNOLOGY **[PIR / ULTRASONIC TECHNOLOGY]**, SINGLE POLE, WALL-BOX STYLE, 44" AFF
- $V — VACANCY SENSOR SWITCH, DUAL TECHNOLOGY **[PIR / ULTRASONIC TECHNOLOGY]**, SINGLE POLE, WALL-BOX STYLE, 44" AFF
- OS — OCCUPANCY SENSOR, **[DIGITAL ADDRESSABLE TYPE.]** LOW VOLTAGE, DUAL TECHNOLOGY, WIDE VIEW, CEILING MOUNTED
- VS — VACANCY SENSOR, **[DIGITAL ADDRESSABLE TYPE.]** LOW VOLTAGE, DUAL TECHNOLOGY, WIDE VIEW, CEILING MOUNTED
- DLS — DAYLIGHT SENSING DEVICE (ON/OFF CONTROL), **[DIGITAL ADDRESSABLE TYPE.]** CEILING MOUNTED
- PC — PHOTOCELL DEVICE, LINE VOLTAGE, 12" ABOVE ROOF, AIMED NORTH
- LCGTD — LIGHTING CONTROL CABINET; LIGHTING CONTACTOR (LC), LIGHTING CONTROL CABINET (LCC), LIGHTING RELAY CABINET (LRC), GENERATOR TRANSFER DEVICE (GTD), OR TIME CLOCK (TC) AS NOTED ON DRAWINGS. FLUSH OR SURFACE AS SHOWN ON DRAWINGS

LIGHTING

GENERAL LUMINAIRE NOTATION:

SOURCE PANELBOARD(IF OTHER THAN NOTED ON SHEET/CIRCUIT BOUNDARY) — 15 / 1LNL1 — a — LD1 — CIRCUIT # — SWITCHLEG CONTROL ARRANGEMENT — LUMINAIRE TYPE - REFER TO LUMINAIRE SCHEDULE

- PATTERN INDICATES LUMINAIRE CONNECTED TO UNSWITCHED LIGHTING CIRCUIT
- GEOMETRIC SHAPE LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE
- ILLUMINATED EXIT SIGN - SINGLE/DOUBLE FACE AS SHOWN - DIRECTION OF ARROWS AS INDICATED - CEILING, SURFACE WALL, OR PERPENDICULAR WALL AS SHOWN
- LIGHTING TRACK WITH TRACK MOUNTED LUMINARIES
- SELF CONTAINED BATTERY LIGHTING UNIT

CABINETS / RACKS

- RACK — OPEN FRAME DATA RACK - FLOOR MOUNTED (BOLD LINE INDICATES FRONT OF RACK, CABLE MANAGEMENT SPACE SHOWN)
- RACK(W) — OPEN FRAME DATA RACK - WALL MOUNTED (BOLD LINE INDICATES FRONT OF RACK, CABLE MANAGEMENT SPACE SHOWN)

DATA/TELECOMMUNICATION OUTLETS

NOTE: PROVIDE CONDUIT FROM BOX STUBBED INTO ACCESSIBLE CEILING SPACE IN NEAREST CORRIDOR. REFER TO DATA/TELECOMMUNICATION OUTLET SCHEDULE FOR ADDITIONAL DETAILS.

- DATA/TELECOMMUNICATIONS OUTLET, 18" AFF
- W — DATA/TELECOMMUNICATIONS OUTLET, INSTALLED ABOVE CEILING
- F — DATA/TELECOMMUNICATIONS OUTLET, INSTALLED FLUSH IN CEILING

SECURITY DEVICES & ACCESS CONTROL

- CAM — CAMERA, CEILING MOUNTED
- CR — PROXIMITY ACCESS CARD READER, 44" AFF, 4" FROM DOOR FRAME
- KP — KEYPAD, 44" AFF
- DC — RECESSED DOOR CONTACT SWITCH, COORDINATE WITH DOOR FRAME INSTALLER
- ES — CONNECTION TO DOOR ELECTRIC STRIKE
- ELECTROMAGNETIC LOCK
- REX — REQUEST TO EXIT DEVICE (IR SENSOR), MOUNT CENTERED ABOVE DOOR FRAME
- BL — BLUE LIGHT PHONE

COMMUNICATION DEVICES

- S — SPEAKER, FLUSH CEILING MOUNTED

FIRE ALARM, GAS DETECTION, & MASS NOTIFICATION DEVICES

- R — HEAT DETECTOR, COMBINATION RATE OF RISE/FIXED 135°F, CEILING MOUNT ('R' INDICATES RATE OF RISE TEMPERATURE SENSOR, 'F' INDICATES FIXED TEMPERATURE SENSOR, 'R/F' INDICATES COMBINATION RATE OF RISE & FIXED TEMPERATURE SENSOR)
- S — SMOKE DETECTOR, CEILING MOUNTED
- AHU-1 RETURN — S — SMOKE DETECTOR, INSTALLED IN DUCTWORK - MECHANICAL UNIT INDICATED
- CO — GAS DETECTOR, CEILING MOUNTED (CO = CARBON MONOXIDE, NG = NATURAL GAS)
- SM — MASS NOTIFICATION HORN/STROBE**[EMERGENCY VOICE/ALARM SPEAKER & STROBE]**, 90dB, 75cd STROBE INTENSITY UNLESS OTHERWISE NOTED, WALL MOUNTED 18" BELOW CEILING
  - SA = SECURITY ALERT; WHITE HOUSING, BLUE LENS, 'SEC ALERT' LABEL IN RED.
  - MN = MASS NOTIFICATION ALERT; WHITE HOUSING, AMBER LENS, 'ALERT' LABEL IN RED.
  - CO = CARBON MONOXIDE; WHITE HOUSING, RED LENS, 'CO ALARM' LABELING
  - NG = NATURAL GAS; WHITE HOUSING, GREEN LENS, 'NG ALARM' LABELING
- 75 SM — MASS NOTIFICATION STROBE, 75cd STROBE INTENSITY UNLESS OTHERWISE NOTED, WALL MOUNTED 18" BELOW CEILING
  - SA = SECURITY ALERT; WHITE HOUSING, BLUE LENS, 'SEC ALERT' LABEL IN RED.
  - MN = MASS NOTIFICATION ALERT; WHITE HOUSING, AMBER LENS, 'ALERT' LABEL IN RED.
  - CO = CARBON MONOXIDE; WHITE HOUSING, RED LENS, 'CO ALARM' LABELING
  - NG = NATURAL GAS; WHITE HOUSING, GREEN LENS, 'NG ALARM' LABELING
- 180 — FIRE ALARM STROBE LIGHT, WALL MOUNTED, MIN 80"/ MAX 96" AFF (# INDICATES CANDELA RATING)
- 110 — FIRE ALARM HORN/STROBE**[EMERGENCY VOICE/ALARM SPEAKER & STROBE]**, 90 dB, WALL MOUNTED, MIN 80"/ MAX 96" AFF (# INDICATES CANDELA RATING)
- F — FIRE ALARM MANUAL PULL STATION, 44" AFF UNLESS NOTED OTHERWISE
- SD — FIRE ALARM CONNECTION TO SMOKE DAMPER
- RTS — DUCT SMOKE DETECTOR REMOTE TEST STATION WITH INDICATOR LIGHT, 44" AFF
- FAN SHUT DOWN RELAY
- FC — FIRE ALARM ADDRESSABLE RELAY ('FM' INDICATES MONITOR POINT, 'FC' INDICATES CONTROL POINT)
- FS — WATER FLOW SWITCH FIRE ALARM CONNECTION
- PS — PRESSURE SWITCH FIRE ALARM CONNECTION (FOR PRE-ACTION SYSTEM)
- TS — SUPERVISORY TAMPER SWITCH FIRE ALARM CONNECTION
- SYSTEM CABINET: FIRE ALARM CONTROL PANEL (FACP), FIRE ALARM ANNUNCIATOR PANEL (FAAP), FIRE ALARM GRAPHIC PANEL (FAGP), FIRE ALARM TERMINATION CABINET (FATC), NOTIFICATION APPLIANCE CIRCUIT PANEL (NAC).

BRANCH CIRCUIT CONDUCTOR SIZING

CIRCUIT NOTATION:

11,13 — CIRCUIT NUMBER(S)
1LNL1 — SOURCE PANELBOARD (IF OTHER THAN NOTED ON SHEET/CIRCUIT BOUNDARY)

PROVIDE MINIMUM WIRE SIZE AS FOLLOWED UNLESS NOTED OTHERWISE:
20A CB - #12 AWG
30A CB - #10 AWG
40A CB - #8 AWG
50A CB - #6 AWG
INCREASE SIZE OF CONDUCTOR FOR DISTANCE AS SHOWN BELOW IN 20A BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE.

20A BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE:

CONDUCTOR SIZE (AWG)	#12	#10	#8	#6	#4
MAXIMUM BRANCH CIRCUIT LENGTH AT 120V (FEET)	90	140	225	355	565
MAXIMUM BRANCH CIRCUIT LENGTH AT 277V (FEET)	205	325	520	825	1310

NOTES:

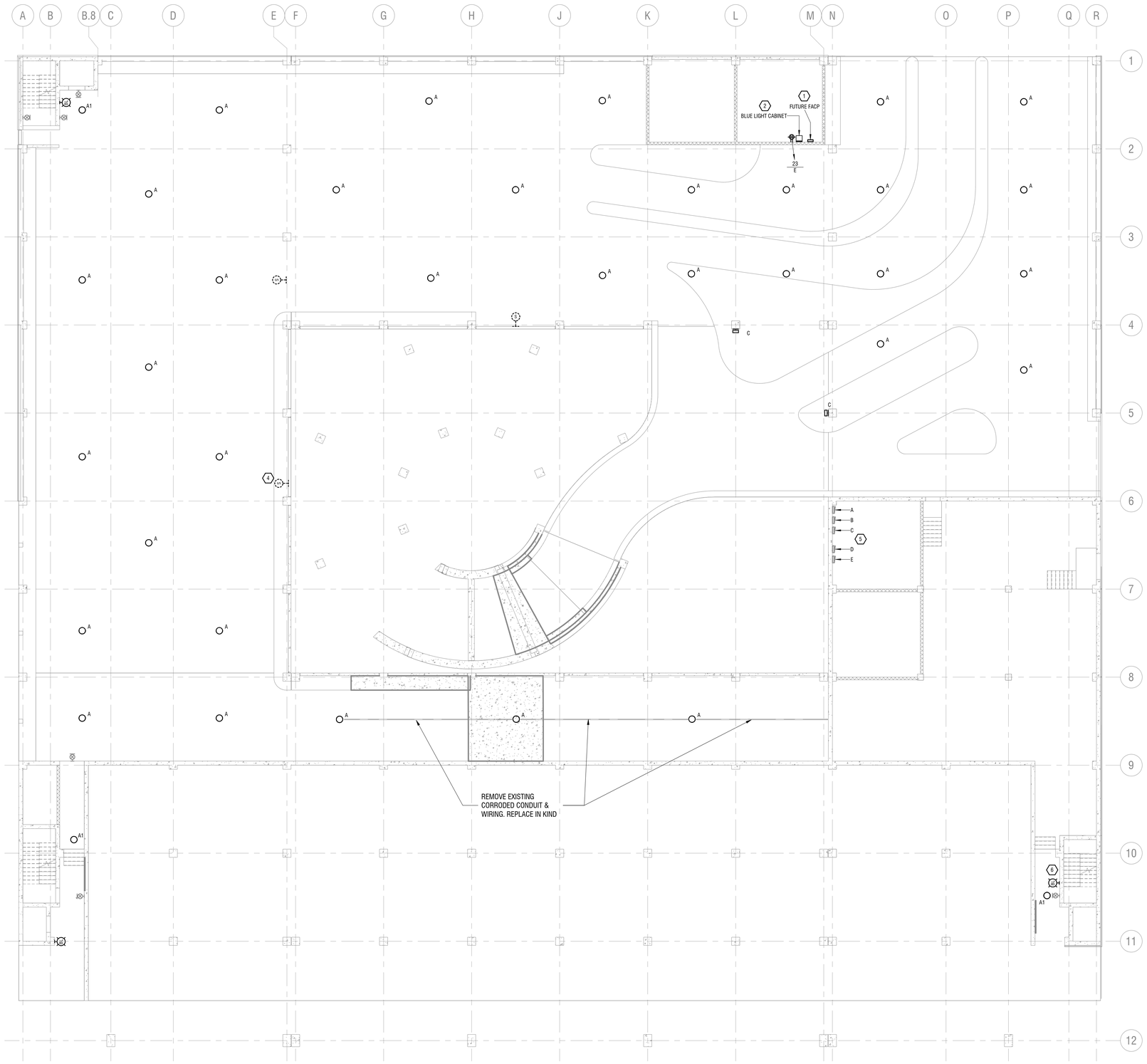
1. INCREASE ALL BRANCH CIRCUIT CONDUCTORS AS INDICATED BASED ON LENGTH OF CIRCUIT, INCLUDING EQUIPMENT GROUNDING CONDUCTOR.
2. TRANSITION FROM LARGER CONDUCTOR SIZE TO #12 AWG FOR FINAL TERMINATION TO OUTLET DEVICE. PROVIDE JUNCTION BOX WITHIN 10' OF OUTLET AND EXTEND #12 AWG CONDUCTORS TO OUTLET.
3. LENGTHS ARE FROM OVERCURRENT PROTECTIVE DEVICE, ALONG CIRCUIT ROUTING, TO CENTER OF EQUIPMENT LOAD.
4. SCHEDULE ASSUMES 12A LOAD, FOR LOADS HIGHER THAN 12A, INCREASE CONDUCTOR SIZE.

CODE BLUE: BILL OF MATERIALS

QUANTITY	PRODUCT INFORMATION
21	PART #: CB2EO0387; UNIT TYPE: CB 2-e; FINISH: 4B BRUSHED STAINLESS STEEL; GRAPHIC TEXT SIDE: EMERGENCY GRAPHIC COLOR: BLUE; SPEAKERPHONE: SOLO SEPERATELY; COMMUNICATION: IP ETHERNET POWER: POWER OVER ETHERNET (PoE); INCOMING VOLTAGE: PoE; LIGHTING: STROBE LIGHT BLUE LENS
21	PART #: 70101; LS1000 SINGLE BUTTON PHONE ASSEMBLY; LARGE BEZEL: PUSH FOR HELP; POWER: 24 AC/DC TO 12V DC STEP DOWN TRANSFORMER INCLUDED
3	PART #: SLNP0054; 2 PORT FXS/VoIP GATEWAY
1	PART #: SLNH0056; NEBULA CONSUMER CLOUD ROUTER; 2 WIRED ETHERNET WAN; 1 WiFi WAN; 4 LAN PORTS; 5 VPN PEERS INDOOR SHELF DEVICE -POWER SUPPLY INCLUDED
1	PART #: SLNI-CC-12; INITIAL SALE; NEBULA CONSUMER CLOUD, ENTERPRISE ACCOUNT INCLUDES BLUE ALERT CONNECT + MONITOR APPLICATIONS; 12 MONTH SERVICE TERM; NO PHYSICAL ITEM SHIPPING * ACTI

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP	COLOR TEMPERATURE	LUMENS	WATTAGE	VOTAGE	MOUNTING	MANUFACTURER	MODEL	NOTES
A	DRIVE EDGE-LIT SURFACE GARAGE LUMINAIRE	LED	4000 K	7000 lm	65 W	120 V	SURFACE	BEACON/CURRENT	SRT2-65-4K7-5QW-UNV-DBT-BTSD12F	
A1	DRIVE EDGE-LIT SURFACE GARAGE LUMINAIRE	LED	4000 K	4500 lm	35 W	120 V	SURFACE	BEACON/CURRENT	SRT1-35-4K7-5C-UNV-DBT-SCP-8F	
C	LED WALLPACK	LED	4000 K	7000 lm	55 W	120 V	WALL/SURFACE	BEACON/CURRENT	VPW3-80L-55-4K7-4W-UNV-BTS-14F	
C1	LED WALLPACK	LED	4000 K	6000 lm	45 W	120 V	WALL/SURFACE	BEACON/CURRENT	VPW2-80L-45-4K7-4W-UNV-BTS-14F	MOUNTED AT 8' - 6' AFF



1 E201 LEVEL 1 LIGHTING PLAN
3/32" = 1'-0"

GENERAL NOTES:

A. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.2: DISCONNECT EXISTING LIGHT FIXTURES. RECONNECT AND EXTEND WIRING TO ACCOMMODATE NEW FIXTURES ON SAME CIRCUIT UNLESS NOTED OTHERWISE

B. DISCONNECT AND REMOVE EXISTING SPEAKER/INTERCOM DEVICES. REMOVE CONDUIT AND WIRING IN ITS ENTIRETY BACK TO SOURCE

C. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.1: PROVIDE BRANCH CIRCUIT WIRING REQUIRED FOR KEYED NOTES 1 AND 2

D. PROVIDE (3) ADDITIONAL TYPE 'A' FIXTURES AS SPARES

KEYED NOTES:

1. PROVIDE 120V/1PH WIRING BACK TO PANEL 'E'. PROVIDE JUNCTION BOX AT BOTH ENDS AND LEAVE AS SPARE FOR FUTURE USE

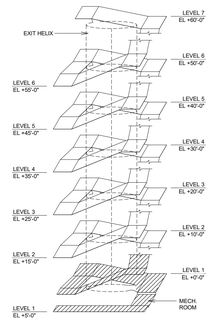
2. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.1: PROVIDE HEAD END EQUIPMENT FOR BLUE LIGHT PHONE SYSTEM. PROVIDE WALL MOUNT ENCLOSURE (HOFFMAN EWMW162425, OR EQUAL). COORDINATE QUADRUPLEX RECEPTACLE AT THIS LOCATION WITH ENCLOSURE. REFER TO BILL OF MATERIALS ON E001 FOR REQUIRED SYSTEM

3. NOT USED

4. TYPICAL ALL LOCATIONS SHOWN: REMOVE EXISTING PA/INTERCOM SPEAKER AND WIRING IN ITS ENTIRETY BACK TO SOURCE

5. EXISTING WESTINGHOUSE PANELS TO REMAIN. PROVIDE BREAKERS FOR NEW CIRCUITS. (1) 3P-15A, (2) 1P-20A

6. TYPICAL ALL LOCATIONS SHOWN. PROVIDE CODE BLUE CB-2E/LS1000 BLUE LIGHT PHONE. PROVIDE (2) CAT6 CABLES IN CONDUIT BACK TO HEAD END IN OFFICE. PROVIDE ALL WALL MOUNTING ACCESSORIES REQUIRED TO FACILITATE INSTALLATION



ISOMETRIC KEY PLAN

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Elmira, NY 14901
607-734-8492
labellapc.com

STATE OF NEW YORK
RANDY D. HEARD
077425
LICENSED PROFESSIONAL ENGINEER
EXP: 12/31/2026

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: JMG
REVIEWED BY: RDH
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

LEVEL 1 LIGHTING PLAN

DRAWING NUMBER:

E201

2/18/2026 10:44:44 AM

GENERAL NOTES:

A. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.2: DISCONNECT EXISTING LIGHT FIXTURES. RECONNECT AND EXTEND WIRING TO ACCOMMODATE NEW FIXTURES ON SAME CIRCUIT UNLESS NOTED OTHERWISE

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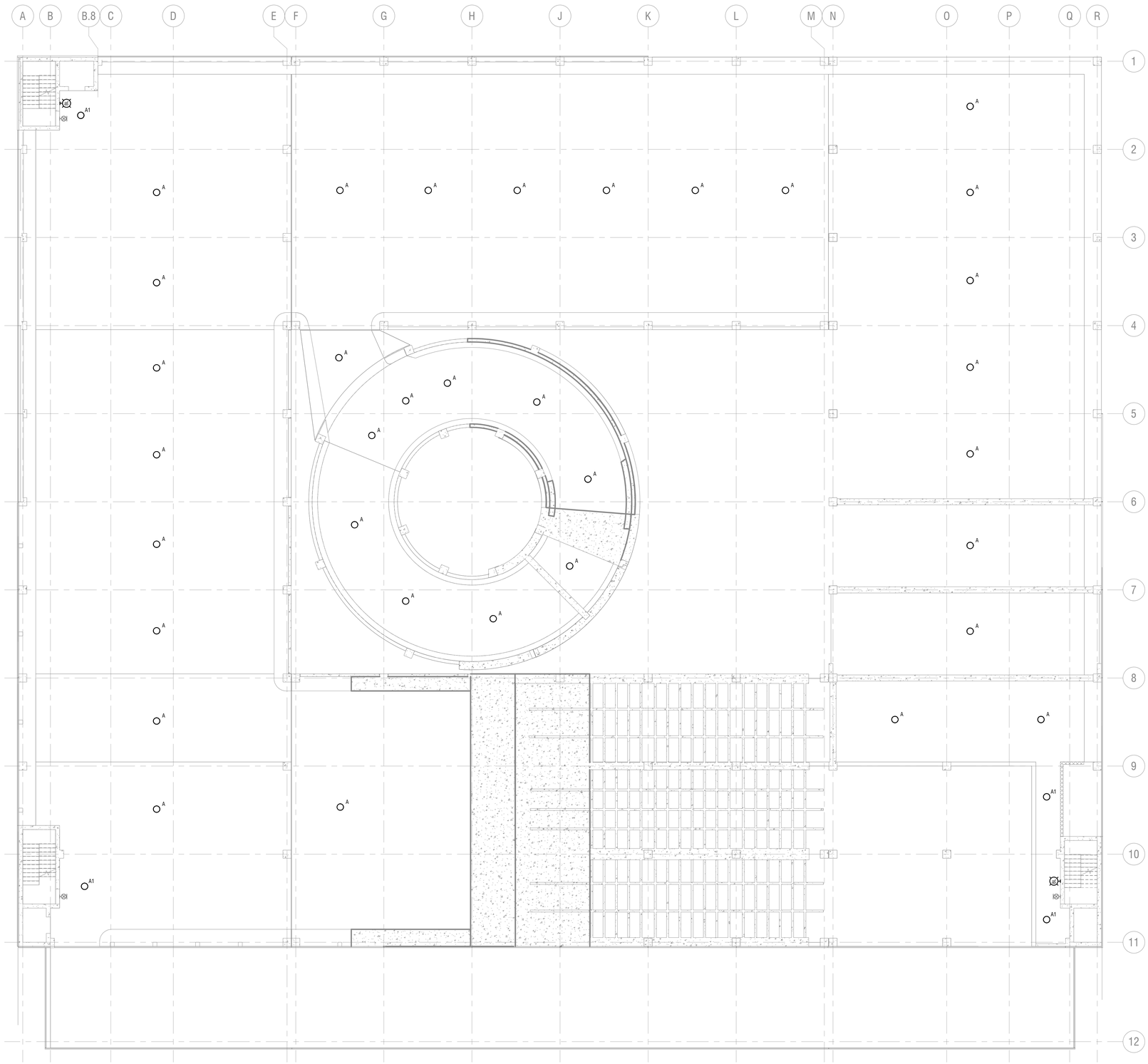
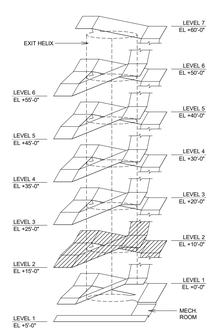


1 E202 LEVEL 2 LIGHTING PLAN
3/32" = 1'-0"



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RANDY D. HEARD
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EXP: 12/31/2026

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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: JMG

REVIEWED BY: RDH

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/2026

DRAWING NAME:

LEVEL 2 LIGHTING PLAN

DRAWING NUMBER:

E202

2/18/2026 10:44:45 AM

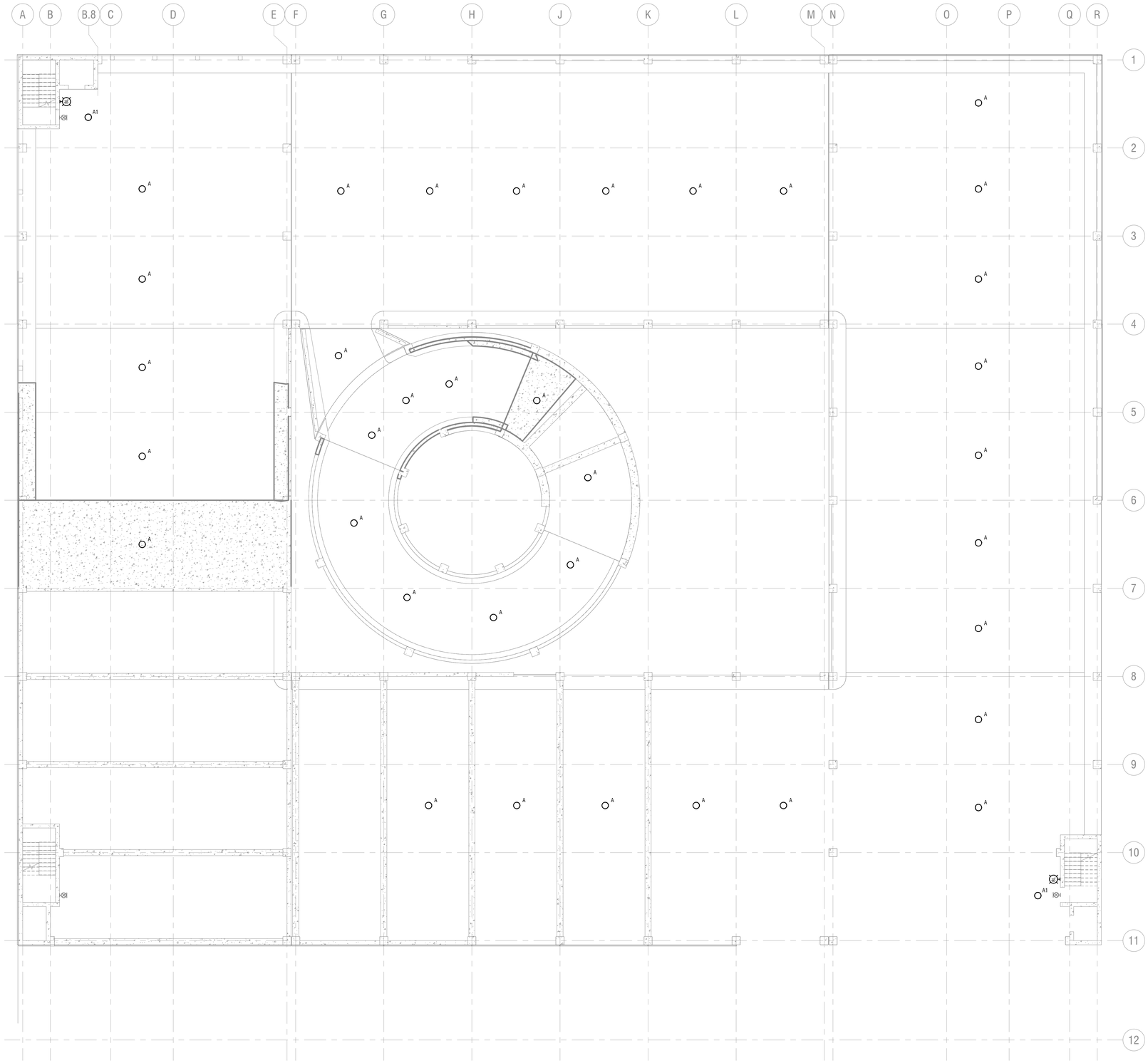
GENERAL NOTES:

A. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.2: DISCONNECT EXISTING LIGHT FIXTURES. RECONNECT AND EXTEND WIRING TO ACCOMMODATE NEW FIXTURES ON SAME CIRCUIT UNLESS NOTED OTHERWISE

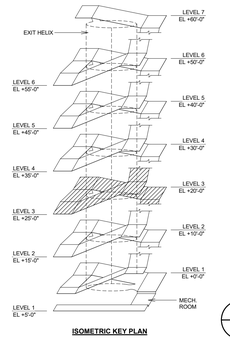
B. DISCONNECT AND REMOVE EXISTING SPEAKER/INTERCOM DEVICES. REMOVE CONDUIT AND WIRING IN ITS ENTIRETY BACK TO SOURCE

C. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.1: PROVIDE BRANCH CIRCUIT WIRING REQUIRED FOR KEYED NOTES 1 AND 2

D. PROVIDE (3) ADDITIONAL TYPE 'A' FIXTURES AS SPARES



1 E203 LEVEL 3 LIGHTING PLAN
3/32" = 1'-0"



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STATE OF NEW YORK
RANDY D. HEARD
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LICENSED PROFESSIONAL ENGINEER

EXP: 12/31/2026

CERTIFICATE OF AUTHORIZATION NUMBER:
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GEOLOGICAL: 018750

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: JMG

REVIEWED BY: RDH

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/2026

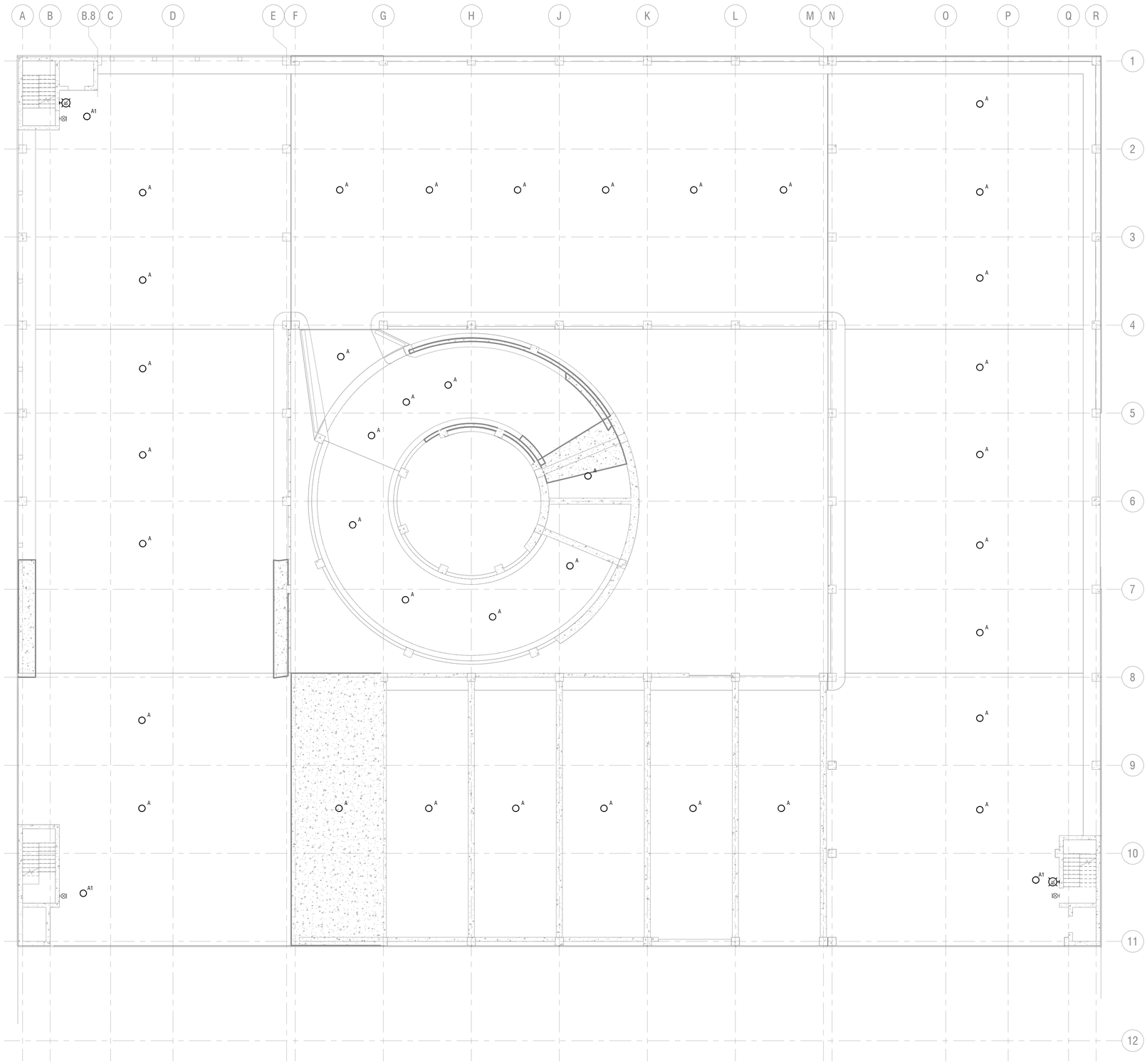
DRAWING NAME:

LEVEL 3 LIGHTING PLAN

DRAWING NUMBER:

E203

2/18/2026 10:44:46 AM



1 E204 LEVEL 4 LIGHTING PLAN
3/32" = 1'-0"

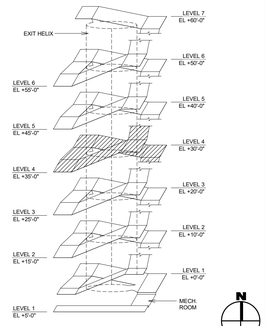
GENERAL NOTES:

A. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.2: DISCONNECT EXISTING LIGHT FIXTURES. RECONNECT AND EXTEND WIRING TO ACCOMMODATE NEW FIXTURES ON SAME CIRCUIT UNLESS NOTED OTHERWISE

B. DISCONNECT AND REMOVE EXISTING SPEAKER/INTERCOM DEVICES. REMOVE CONDUIT AND WIRING IN ITS ENTIRETY BACK TO SOURCE

C. ELECTRICAL CONSTRUCTION CONTRACT ALTERNATE No.1: PROVIDE BRANCH CIRCUIT WIRING REQUIRED FOR KEYED NOTES 1 AND 2

D. PROVIDE (3) ADDITIONAL TYPE 'A' FIXTURES AS SPARES



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STATE OF NEW YORK
RANDY D. HEARD
077425
LICENSED PROFESSIONAL ENGINEER

EXP: 12/31/2026

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
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GEOLOGICAL: 018750

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: JMG
REVIEWED BY: RDH
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/2026
DRAWING NAME:

LEVEL 4 LIGHTING PLAN

DRAWING NUMBER:

E204

2/18/2026 10:44:46 AM

DRAWING SYMBOLS

AV	ACID VENT	IW	INDIRECT WASTE
AW	ACID WASTE	NG	NATURAL GAS
CA	COMPRESSED AIR	SAN	SANITARY DRAIN
FR	FUEL OIL RETURN	ST	STORM DRAIN
FS	FUEL OIL SUPPLY	VAC	VACUUM
DCW	DOMESTIC COLD WATER	V	VENT
DHW	DOMESTIC HOT WATER SUPPLY		
DHR	DOMESTIC HOT WATER RECIRC		

EXISTING PIPE, EQUIPMENT
NEW PIPE, EQUIPMENT
PIPE, EQUIPMENT TO BE REMOVED

F.D. FLOOR DRAIN
R.D. ROOF DRAIN
F.S. FLOOR SINK
P TRAP

BRANCH OFF TOP OF PIPE
BRANCH OFF BOTTOM OF PIPE
PIPE TURNED UP
PIPE TURNED DOWN
REDUCER
PIPE BREAK

BALL VALVE
BUTTERFLY VALVE
GATE VALVE
SHUT OFF VALVE (GATE, BALL, OR BUTTERFLY - REFER TO SPECS)
CHECK VALVE
BALANCE VALVE
ANGLE VALVE
PRESSURE REDUCING VALVE
STEAM TRAP
MOTOR OR SOLENOID CONTROL VALVE
MOTOR OR SOLENOID CONTROL VALVE (3-WAY)
TRIPLE DUTY VALVE
RELIEF VALVE
STRAINER

WHA WATER HAMMER ARRESTER
P-TRAP
UNION
PRESSURE GAUGE
PUMP
CO CLEAN OUT
EQUIPMENT TO BE REMOVED

POINT OF DISCONNECTION
POINT OF CONNECTION
A M-2 SECTION CALLOUT
A M-2 DETAIL NUMBER
1 KEY NOTE

NOTE:
NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT DESIGNATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/ OR EXCLUSIONS OF ANY PARTICULAR ITEM FROM THIS PROJECT.

GENERAL NOTES

PLUMBING GENERAL NOTES

1. DO NOT SHUT DOWN ANY PLUMBING, FIRE PROTECTION, NATURAL GAS, OR RELATED SYSTEMS WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT.
2. IF REQUIRED, PROVIDE SHUT DOWNS AND TIE-INS DURING OFF HOURS TO AVOID DISRUPTION OF BUILDING SYSTEMS. COORDINATE ALL SHUT DOWN REQUIREMENTS PRIOR TO SUBMITTING BID (INCLUDE ALL REQUIRED DURING OFF HOURS IN BID).
3. PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES. OBTAIN ALL REQUIRED PERMITS.
4. FIELD VERIFY EXACT LOCATION, DEPTH, COMPOSITION AND CONDITION OF ALL PIPING, VALVES AND SYSTEMS AS REQUIRED FOR WORK OF THE CONTRACT.
5. PROVIDE CUTTING, CORING AND PATCHING OF ALL WALLS, SLABS AND DECKS AS REQUIRED FOR WORK SHOWN. COORDINATE ALL WORK WITH OWNER AND GENERAL CONTRACTOR AND ALL TRADES.
6. PROVIDE LOCATING SERVICES FOR IDENTIFYING STRUCTURAL REINFORCEMENT IN DECKS, USING GPR OR SIMILAR TECHNOLOGY. DO NOT CORE DRILL THROUGH REINFORCING IN CONCRETE DECKS.
7. PITCH ALL SANITARY, WASTE, AND STORM PIPING AS FOLLOWS: PIPING SMALLER THAN 3", PITCH AT 2 PERCENT (1/4" PER FOOT) MINIMUM. 3" AND LARGER, PITCH AT 1 PERCENT (1/8" PER FOOT) MINIMUM.
8. REFER TO ARCHITECTURAL DRAWINGS AND THE PROJECT SPECIFICATIONS FOR ANY PROJECT PHASING REQUIREMENTS.
9. THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PLUMBING CODE OF NEW YORK STATE AND LOCAL PLUMBING INSPECTOR.
10. THE EXISTING PIPING INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, PIPE SIZES, AND PIPE WALL THICKNESS. REPLACEMENT MATERIALS IN DRAIN SYSTEMS TO MATCH EXISTING PIPING SYSTEMS.
11. THE PIPING INDICATED ON THESE PLANS ARE DIAGRAMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
12. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, INSPECTIONS, TAP-ON FEES, ETC.
13. CONTRACTOR SHALL COORDINATE ANY PLUMBING OR PIPING SYSTEM SHUTDOWN WITH THE OWNER 5 DAYS IN ADVANCE.
14. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL NECESSARY PIPING & PLUMBING FITTINGS, PIPING, MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE INSTALLATION OF ALL PLUMBING RELATED ITEMS.
15. ALL WORK SHALL BE COORDINATED WITH THE EQUIPMENT VENDORS.
16. ALL PLUMBING & PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY THE STATE AND LOCAL CODE REQUIREMENTS AND PER MANUFACTURER'S RECOMMENDATIONS.
17. ALL PIPING PENETRATIONS THROUGH NEW, EXISTING WALL, OR FLOOR SHALL BE SEALED TO EQUAL THE RATING OF THE NEW, EXISTING WALL OR FLOOR.
18. THE PLUMBING SYSTEM SHALL BE TESTED AS REQUIRED BY STATE AND LOCAL CODE OR BY THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTOR.
19. THE DOMESTIC WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE TO THE LOCAL CODE & HEALTH DEPARTMENT REQUIREMENTS.
20. THE BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED PER STATE AND LOCAL CODE & PER AUTHORITY HAVING JURISDICTION REQUIREMENTS. INSTALL DEVICES PER DRAWINGS APPROVED BY THE NY STATE DEPT. OF HEALTH.
21. CONTRACTOR SHALL INSULATE DOMESTIC WATER PLUMBING PIPING PER SPECIFICATION.

APPLICABLE CODES

1. BUILDING CODE OF NEW YORK STATE
2. MECHANICAL CODE OF NEW YORK STATE
3. FIRE CODE OF NEW YORK STATE
4. PLUMBING CODE OF NEW YORK STATE
5. ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
6. ACCESSIBLE AND USABLE BUILDING AND FACILITIES-CABO/ANSI A117.1
7. NATIONAL ELECTRIC CODE
8. NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

EQUIPMENT DESIGNATIONS

BT	BATH TUB	MS	MOP SINK
CO	CLEANOUT	NF	NON-FREEZE HOSE BIB
CS	CUP SINK	P	PUMP
CV	CONTROL VALVE	OS	OIL SEPARATOR
DF	DRINKING FOUNTAIN	S	SINK
DPCO	DECK PLATE CLEANOUT	SA	SHOCK ABSORBER (WATER HAMMER ARRESTOR)
DWH	DOMESTIC WATER HEATER	SS	SERVICE SINK
DWP	DOMESTIC WATER PUMP	SH	SHOWER
EJ	EXPANSION JOINT	SP	SUMP PUMP
ET	EXPANSION TANK	SRV	SAFETY RELIEF VALVE
EWC	ELECTRIC WATER COOLER	SWP	SEWAGE PUMP
EWS	EMERGENCY EYEWASH/SHOWER	TK	WATER TANK
FI	FILTER	UR	URINAL
HB	HOSE BIBB	WC	WATER CLOSET
KS	KITCHEN SINK	WCO	WALL CLEANOUT
LAV	LAVATORY	WS	WATER SOFTENER
M	METER		

NOTE:
SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS

ABBREVIATIONS

%	PERCENT	FA	FREE AREA	NIC	NOT IN CONTRACT
AC	ALTERNATING CURRENT	FIN	FINISHED	NO	NORMALLY OPEN
ADJ	ADJACENT	FL	FLOOR	NPT	NATIONAL PIPE TREAD
AFF	ABOVE FINISHED FLOOR	FLA	FULL LOAD AMPS	NRS	NON-RISING STEM
AFG	ABOVE FINISHED GRADE	FPM	FEET PER MINUTE	NTS	NOT TO SCALE
ALT	ALTERNATE	FPS	FEET PER SECOND	OC	ON CENTER
AMB	AMBIENT	FT	FOOT OR FEET	OD	DIAMETER, OUTSIDE
AMP	AMPERE (AMP,AMPS)	FUT	FUTURE	OS&Y	OUTSIDE SCREW AND YOKE
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE	GA	GAGE OR GAUGE	PC	PLUMBING CONTRACTOR
APPROX	APPROXIMATE (LY)	GAL	GALLONS	PLBG	PLUMBING
AVG	AVERAGE	GC	GENERAL CONTRACTOR	PH	PHASE (ELECTRICAL)
BFP	BACKFLOW PREVENTER	GPM	GALLONS PER MINUTE	PRESS	PRESSURE
BHP	BRAKE HORSEPOWER	GPD	GALLONS PER DAY	PSF	POUNDS PER SQUARE FOOT
BLDG	BUILDING	GPH	GALLONS PER HOUR	PSI	POUNDS PER SQUARE INCH
BO	BOTTOM OF	HD	HEAD	PSIG	PSI GUAGE
BSMT	BASEMENT	HG	MERCURY	PRV	PRESSURE REDUCING VALVE
BTU	BRITISH THERMAL UNIT	HORIZ	HORIZONTAL	RCVR	RECEIVER
BV	BALANCING VALVE	HP	HORSEPOWER	RECIRC	RECIRCULATE
CAP	CAPACITY	HPC	HIGH PRESSURE CONDENSATE	RHW	HOT WATER RE-CIRCULATION
CIP	CAST IRON PIPE	HPS	HIGH PRESSURE STEAM	RO	ROUGH OPENING
CLG	CEILING	HR	HOUR	RPDA	REDUCED-PRESSURE DETECTOR ASSY.
CLR	CLEAR	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	RPM	REVOLUTIONS PER MINUTE
CO	CLEANOUT or CARBON MONOXIDE	HZ	FREQUENCY	RPZ	REDUCED-PRESSURE ZONE
COL	COLUMN	ID	DIAMETER, INSIDE	SCH	STEAM CAPTURE HOOD
CONN	CONNECTION	IN	INCH	SPEC	SPECIFICATION
CONC	CONCRETE	INSUL	INSULATION	SPLY	SUPPLY
CONT	CONTINUOUS	INT	INTERIOR	SQ	SQUARE
CU FT	CUBIC FEET	IPS	IRON PIPE SIZE	SQ FT	SQUARE FOOT (FEET)
CV	VALVE FLOW COEFFICIENT	INV	INVERT	SQ IN	SQUARE INCH (INCHES)
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	KW	KILOWATT	STD	STANDARD
DCV	DETECTOR CHECK VALVE	KWH	KILOWATT HOUR	SUCT	SUCTION
DCW	DOMESTIC COLD WATER	LBS	POUNDS	TSTAT	THERMOSTAT
DEMO	DEMOLISH or DEMOLITION	LF	LINEAR FEET	TBD	TO BE DETERMINED
DHW	DOMESTIC HOT WATER	LG	LENGTH	TC	TEMPERATURE CONTROL CONTRACTOR
DIA	DIAMETER	LOC	LOCATION	TD	TEMPERATURE DIFFERENCE
DIP	DUCTILE IRON PIPE	LPC	LOW PRESSURE CONDENSATE	TEMP	TEMPERATURE
DWH	DOMESTIC WATER HEATER	LPS	LOW PRESSURE STEAM	TMV	THERMOSTATIC MIXING VALVE
DWV	DRAIN, WASTE, & VENT	LRA	LOCKED ROTOR AMPS	TO	TOP OF
DWG	DRAWING	LWT	LEAVING WATER TEMPERATURE	TYP	TYPICAL
(E)	EXISTING	MATL	MATERIAL	V	VOLT
ENGR	ENGINEER	MAX	MAXIMUM	VAC	VACUUM
EQ	EQUAL	MBH	BTU PER HOUR (THOUSAND)	VAR	VARIABLE
EST	ESTIMATED	MECH	MECHANICAL	VEL	VELOCITY
ETR	EXISTING TO REMAIN	MFG	MANUFACTURER	VIF	VERIFY IN FIELD
EWH	ELECTRIC WATER HEATER	MIN	MINIMUM	VOL	VOLUME
EWT	ENTERING WATER TEMPERATURE	MISC	MISCELLANEOUS	W	WASTE
EX	EXISTING	MOCP	MAXIMUM OVERCURRENT PROTECTION	W/	WITH
EXIST	EXISTING	MPC	MEDIUM PRESSURE CONDENSATE	W/O	WITH OUT
EXP	EXPANSION	MPS	MEDIUM PRESSURE STEAM	WCO	WALL CLEANOUT
EXT	EXTERIOR	MTG	MOUNTING	WHA	WATER HAMMER ARRESTER
°F	DEGREES FAHRENHEIT	N/A	NOT APPLICABLE	WM	WATER METER
		NC	NORMALLY CLOSED	WPD	WATER PRESSURE DROP
				WT	WEIGHT
				WWP	WORKING WATER PRESSURE

NOTE:
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Expiration: September 2026

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017876
GEOLOGICAL: 018750

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

PLUMBING LEGEND SHEET

DRAWING NUMBER:

P001

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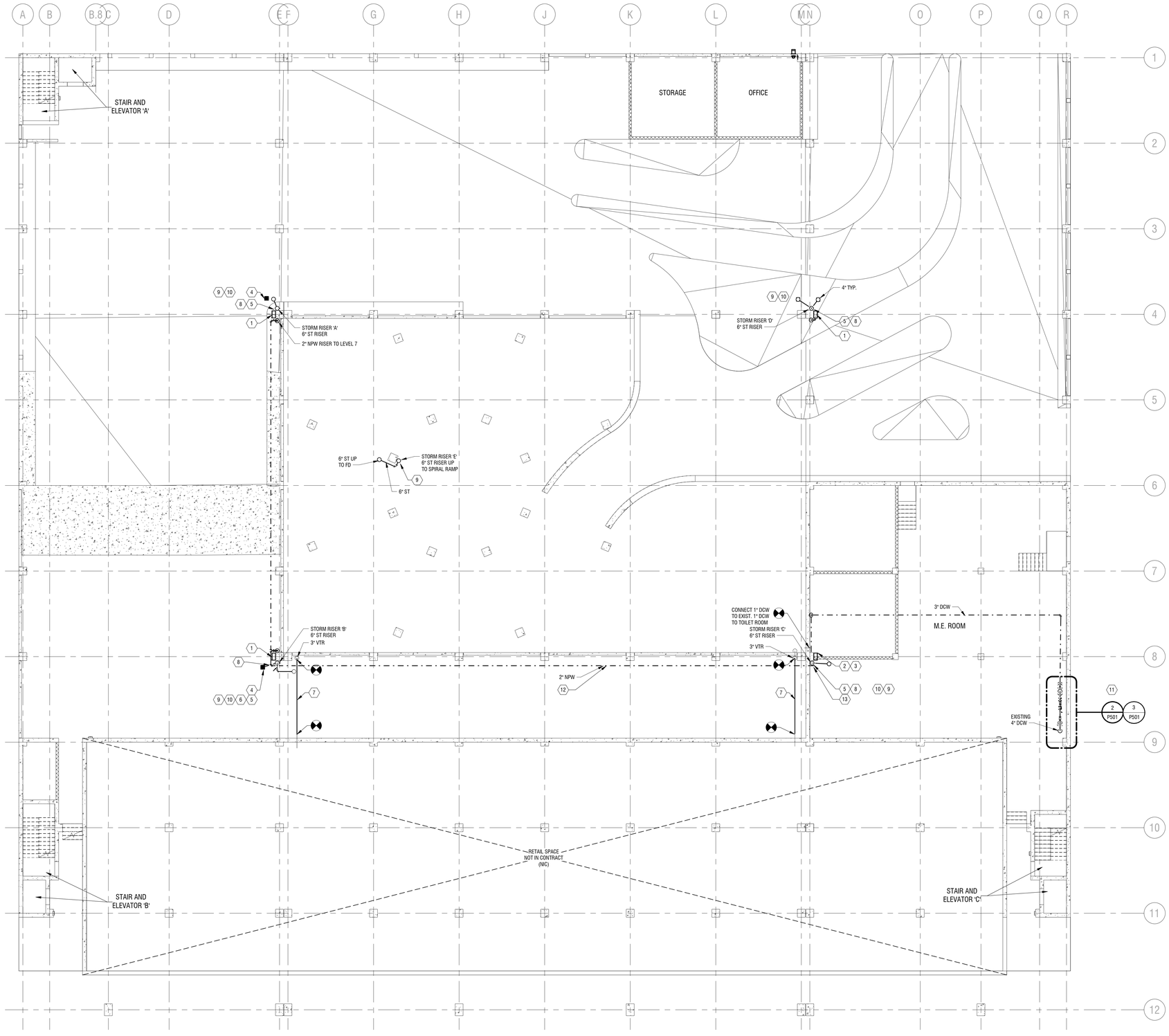

1 P101 LEVEL 1 PLUMBING PLAN
3/32" = 1'-0"

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
4. PROVIDE REPLACEMENT DECK DRAINS. TYPICAL ALL FLOORS. (SEE ALTERNATE)
5. REMOVE EXISTING STRAIGHT CLEANOUT. INSTALL WYE TYPE CLEANOUT IN STORM RISER. (BASE BID)
6. REMOVE AND REPLACE STORM DRAIN PIPE FROM RISER TO (2) DECK DRAINS. DECK DRAINS TO REMAIN, INSTALL NEW HANGERS.
7. REMOVE EXISTING 3" PLUMBING VENT AND REPLACE IN KIND. INSTALL NEW HANGERS.
8. BASE BID: REPLACE ENTIRE BUILDING STORM DRAIN SYSTEM ABOVE GROUND, INCLUDING DRAIN BODIES, FOR RISERS A, B, C, D, AND E.
9. BID ALTERNATE 1: CONTRACTOR TO PROVIDE CUSTOM FABRICATED TRAFFIC DUTY DECK DRAIN GRATING IN LIEU OF REPLACING ENTIRE DRAIN BODY.
10. SEE STRUCTURAL DWGS FOR FLOOR DRAIN INSTALLATION. CONCRETE REMOVAL AND REPLACEMENT BY G.C. (BASE BID)
11. INSTALL BACKFLOW PREVENTERS ON TWO WATER SERVICES.
12. REMOVE EXISTING GALV. NON-POTABLE WATER LINE. REPLACE WITH 3" GALV. STEEL PIPE.
13. 3" NPW TO BRANCH TO (2) 2" NPW LINES.

NOTE: KEY NOTES MAY NOT BE SHOWN ON ALL DRAWINGS.

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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

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ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
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LEVEL 1 PLUMBING PLAN

DRAWING NUMBER:

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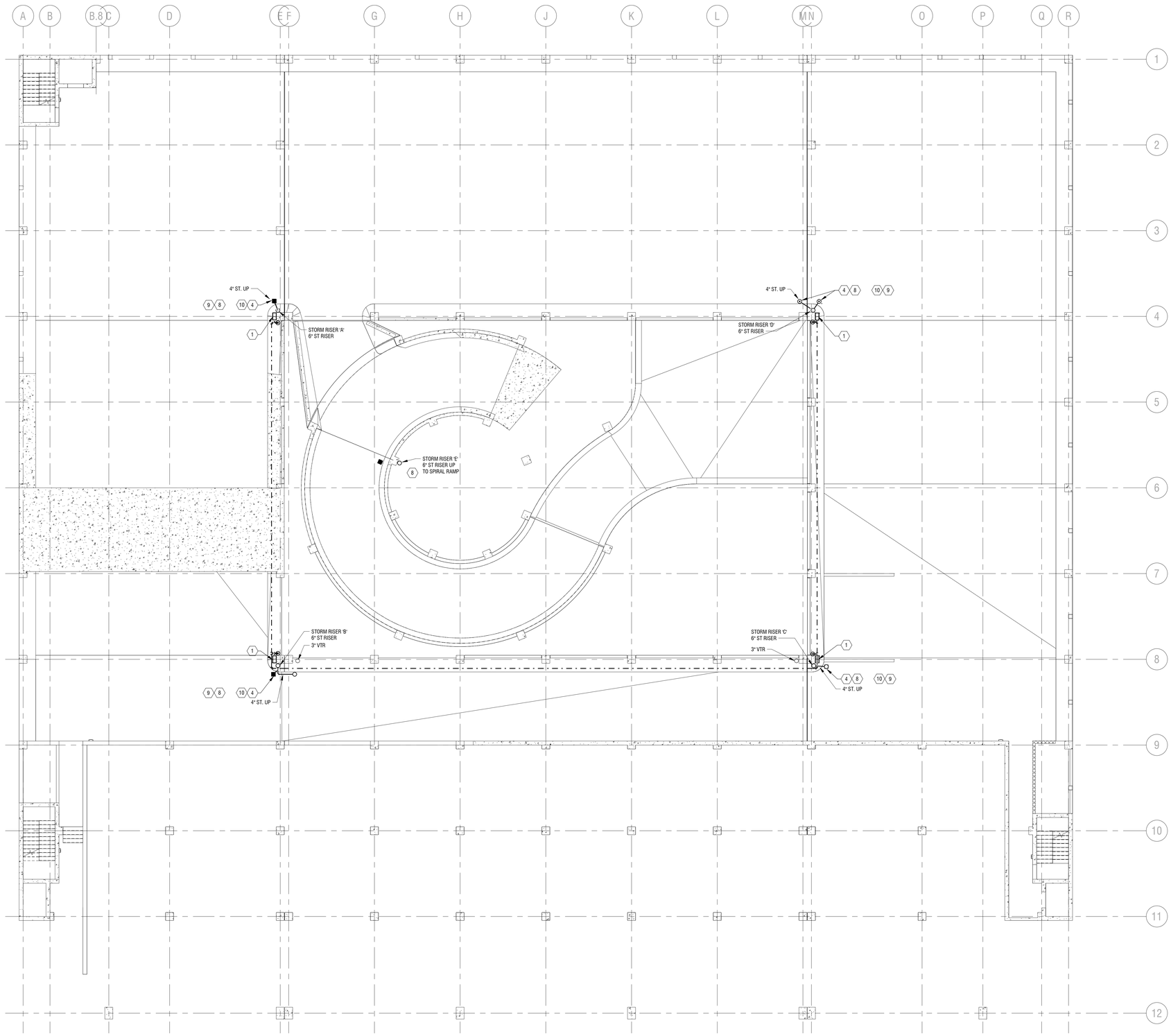

1 P102 LEVEL 2 PLUMBING PLAN
3/32" = 1'-0"

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
4. PROVIDE REPLACEMENT DECK DRAINS. TYPICAL ALL FLOORS. (SEE ALTERNATE)
5. REMOVE EXISTING STRAIGHT CLEANOUT. INSTALL WYE TYPE CLEANOUT IN STORM RISER. (BASE BID)
6. REMOVE AND REPLACE STORM DRAIN PIPE FROM RISER TO (2) DECK DRAINS. DECK DRAINS TO REMAIN, INSTALL NEW HANGERS.
7. REMOVE EXISTING 3" PLUMBING VENT AND REPLACE IN KIND. INSTALL NEW HANGERS.
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9. BID ALTERNATE 1: CONTRACTOR TO PROVIDE CUSTOM FABRICATED TRAFFIC DUTY DECK DRAIN GRATING IN LIEU OF REPLACING ENTIRE DRAIN BODY.
10. SEE STRUCTURAL DWGS FOR FLOOR DRAIN INSTALLATION. CONCRETE REMOVAL AND REPLACEMENT BY G.C. (BASE BID)
11. INSTALL BACKFLOW PREVENTERS ON TWO WATER SERVICES.
12. REMOVE EXISTING GALV. NON-POTABLE WATER LINE. REPLACE WITH 3" GALV. STEEL PIPE.
13. 3" NPW TO BRANCH TO (2) 2" NPW LINES.

NOTE: KEY NOTES MAY NOT BE SHOWN ON ALL DRAWINGS.

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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

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DATE: 02/16/26
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LEVEL 2 PLUMBING PLAN

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P102

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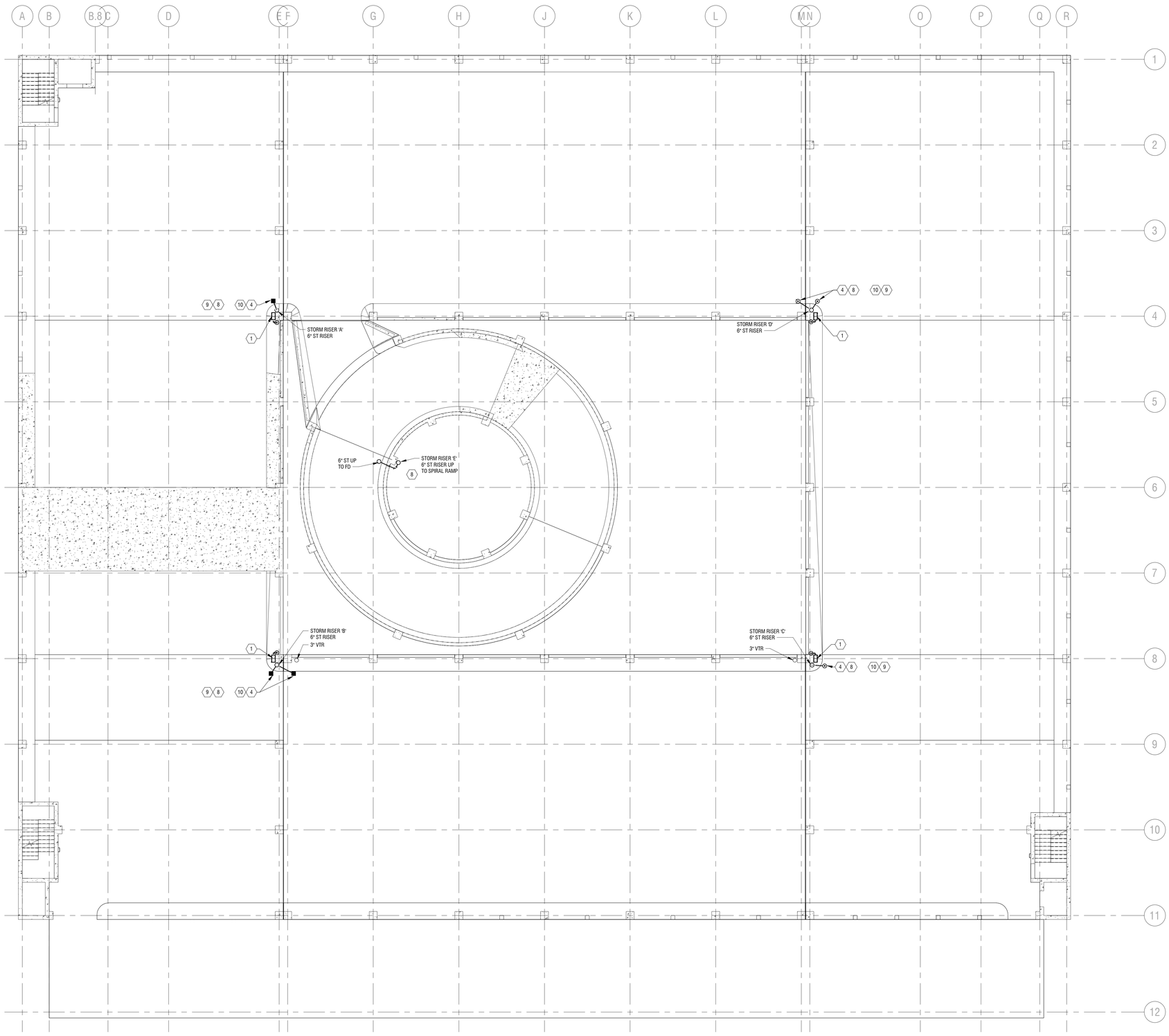

1 P103 LEVEL 3 PLUMBING PLAN
3/32" = 1'-0"

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
4. PROVIDE REPLACEMENT DECK DRAINS. TYPICAL ALL FLOORS. (SEE ALTERNATE)
5. REMOVE EXISTING STRAIGHT CLEANOUT. INSTALL WYE TYPE CLEANOUT IN STORM RISER. (BASE BID)
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10. SEE STRUCTURAL DWGS FOR FLOOR DRAIN INSTALLATION. CONCRETE REMOVAL AND REPLACEMENT BY G.C. (BASE BID)
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12. REMOVE EXISTING GALV. NON-POTABLE WATER LINE. REPLACE WITH 3" GALV. STEEL PIPE.
13. 3" NPW TO BRANCH TO (2) 2" NPW LINES.

NOTE: KEY NOTES MAY NOT BE SHOWN ON ALL DRAWINGS.

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LAND SURVEYING: 017976
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101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

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DATE: 02/16/26
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LEVEL 3 PLUMBING PLAN

DRAWING NUMBER:

P103

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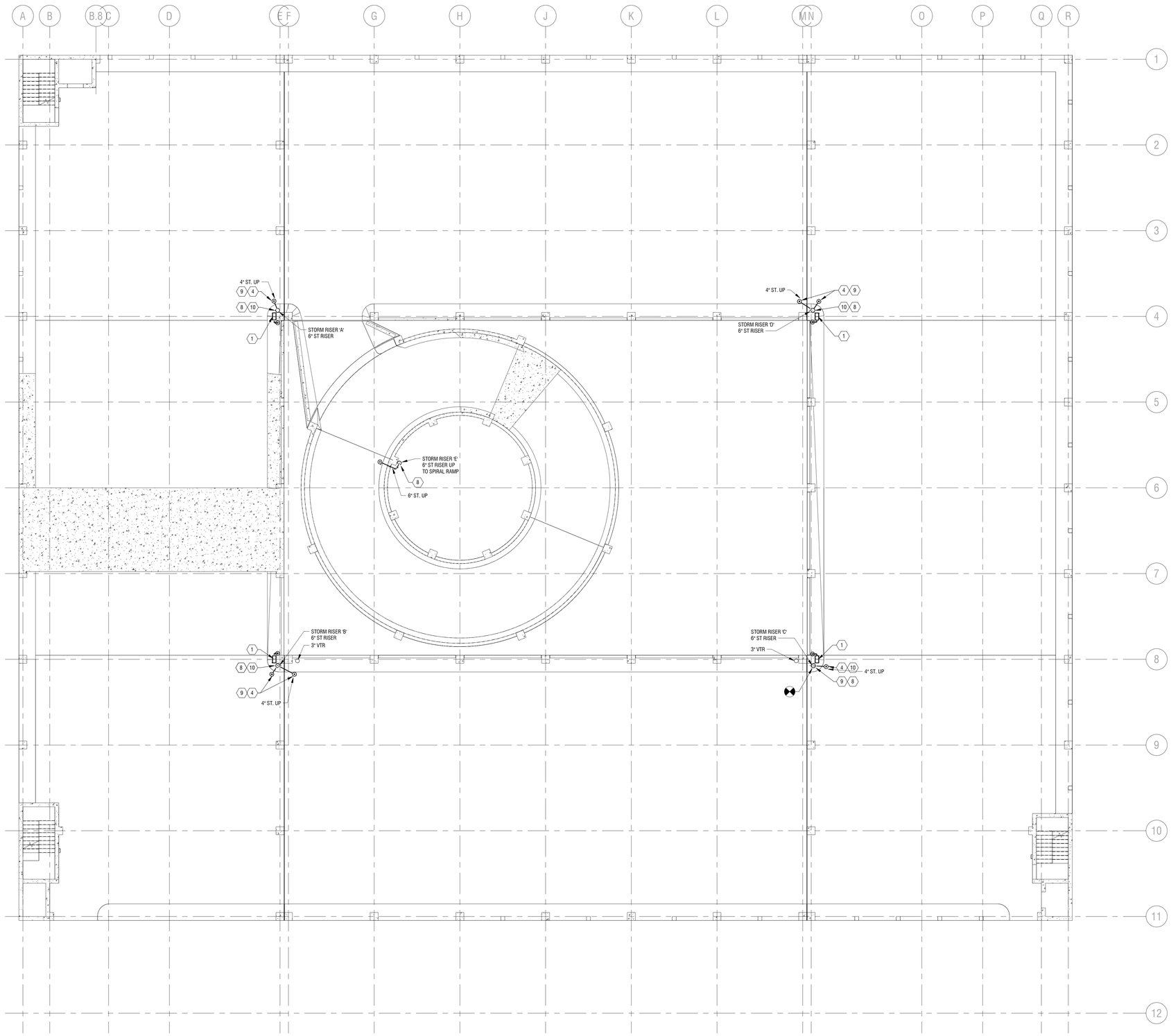

1 P104 LEVEL 4 PLUMBING PLAN
3/32" = 1'-0"

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
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13. 3" NPW TO BRANCH TO (2) 2" NPW LINES.

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Expiration: September 2026

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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

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ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

LEVEL 4 PLUMBING PLAN

DRAWING NUMBER:

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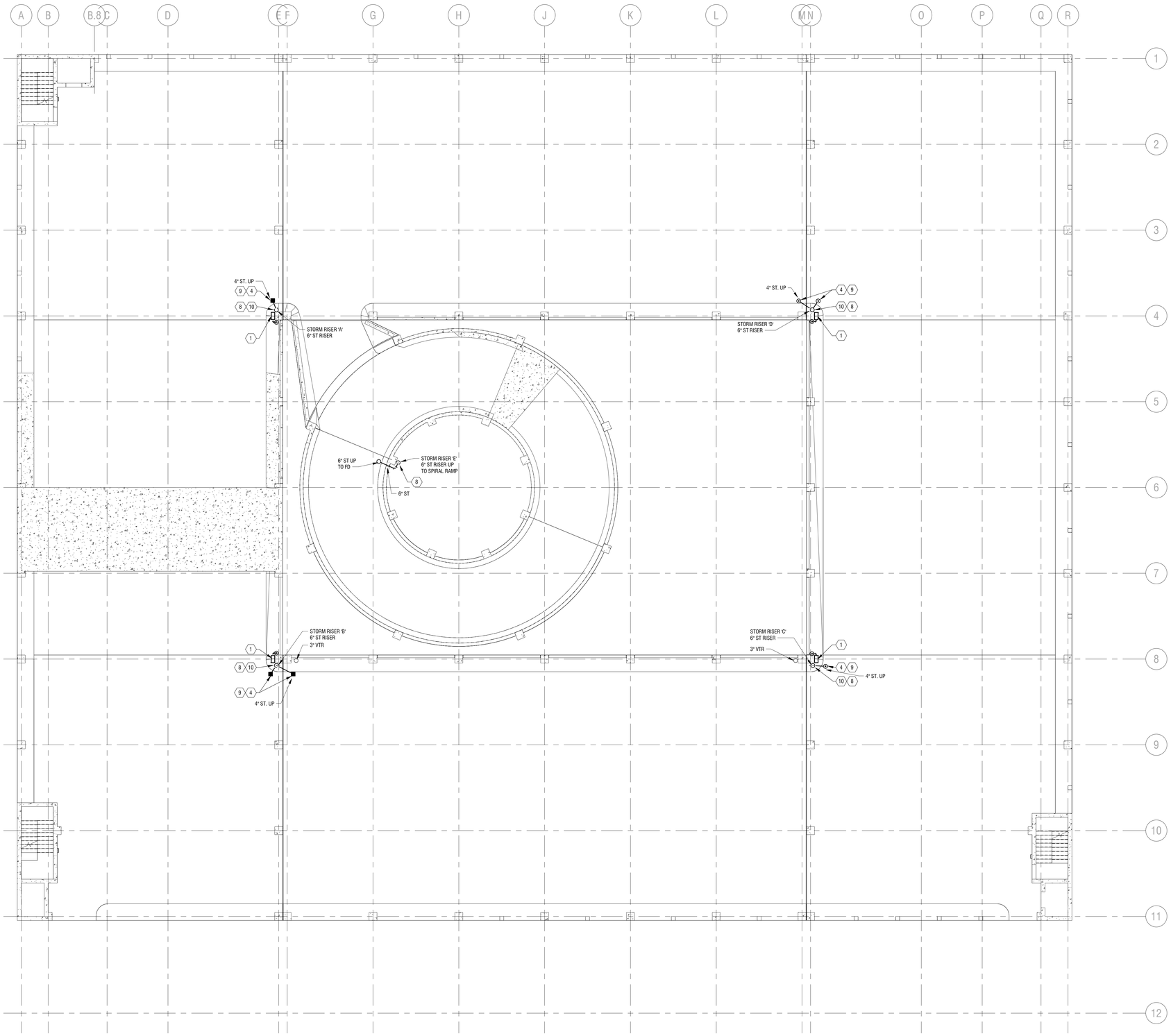

1 P105 LEVEL 5 PLUMBING PLAN
3/32" = 1'-0"

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
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8. BASE BID: REPLACE ENTIRE BUILDING STORM DRAIN SYSTEM ABOVE GROUND, INCLUDING DRAIN BODIES, FOR RISERS A, B, C, D, AND E.
9. BID ALTERNATE 1: CONTRACTOR TO PROVIDE CUSTOM FABRICATED TRAFFIC DUTY DECK DRAIN GRATING IN LIEU OF REPLACING ENTIRE DRAIN BODY.
10. SEE STRUCTURAL DWGS FOR FLOOR DRAIN INSTALLATION. CONCRETE REMOVAL AND REPLACEMENT BY G.C. (BASE BID)
11. INSTALL BACKFLOW PREVENTERS ON TWO WATER SERVICES.
12. REMOVE EXISTING GALV. NON-POTABLE WATER LINE. REPLACE WITH 3" GALV. STEEL PIPE.
13. 3" NPW TO BRANCH TO (2) 2" NPW LINES.

NOTE: KEY NOTES MAY NOT BE SHOWN ON ALL DRAWINGS.

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STATE OF NEW YORK
RICHARD J. FASCETTI
D219434
LICENSED PROFESSIONAL ENGINEER

Expiration: September 2026

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

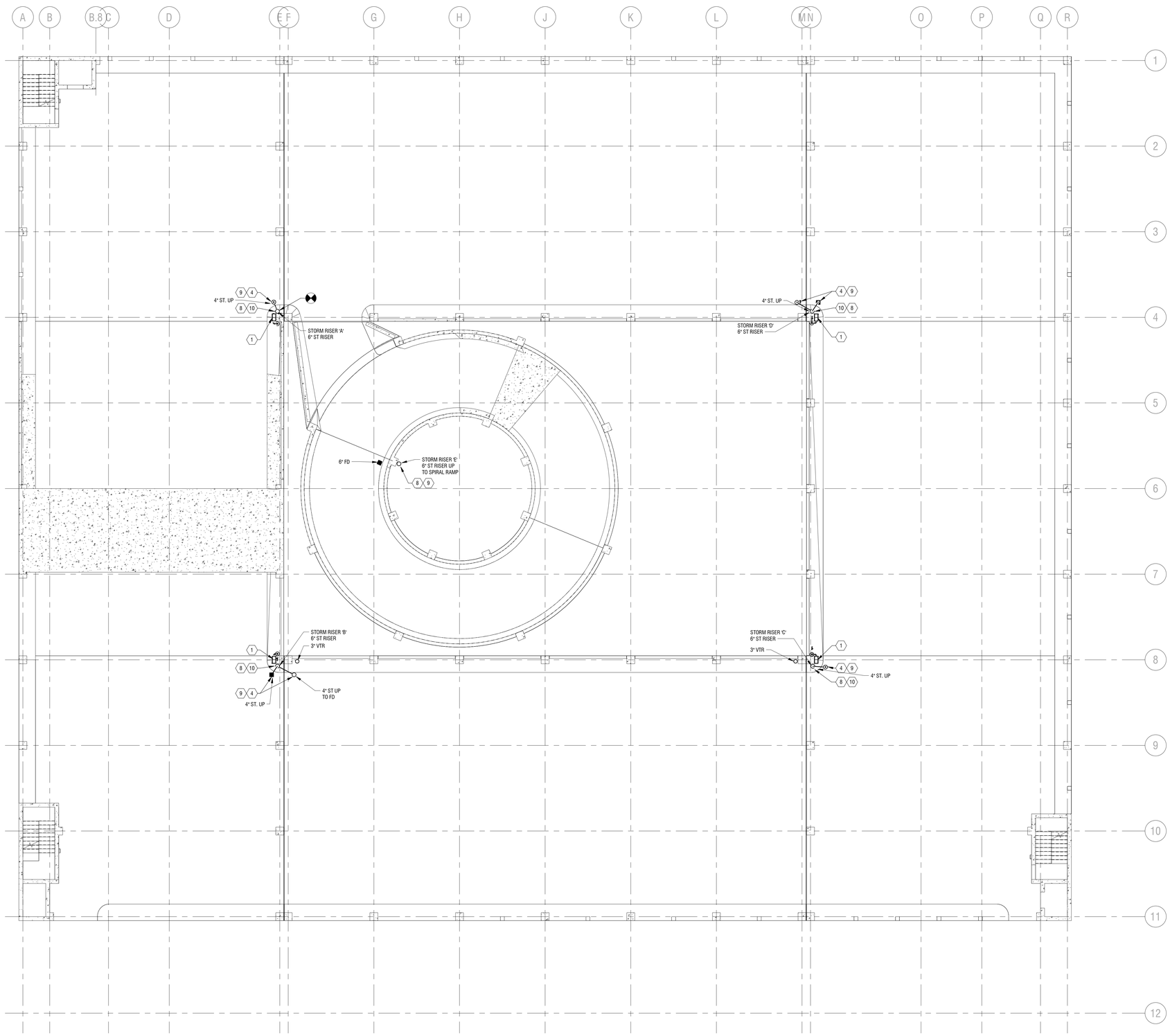
PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

LEVEL 5 PLUMBING PLAN

DRAWING NUMBER:

P105

2/18/2026 10:22:06 AM



1 P106 LEVEL 6 PLUMBING PLAN
3/32" = 1'-0"

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
4. PROVIDE REPLACEMENT DECK DRAINS. TYPICAL ALL FLOORS. (SEE ALTERNATE)
5. REMOVE EXISTING STRAIGHT CLEANOUT. INSTALL WYE TYPE CLEANOUT IN STORM RISER. (BASE BID)
6. REMOVE AND REPLACE STORM DRAIN PIPE FROM RISER TO (2) DECK DRAINS. DECK DRAINS TO REMAIN, INSTALL NEW HANGERS.
7. REMOVE EXISTING 3" PLUMBING VENT AND REPLACE IN KIND. INSTALL NEW HANGERS.
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13. 3" NPW TO BRANCH TO (2) 2" NPW LINES.

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

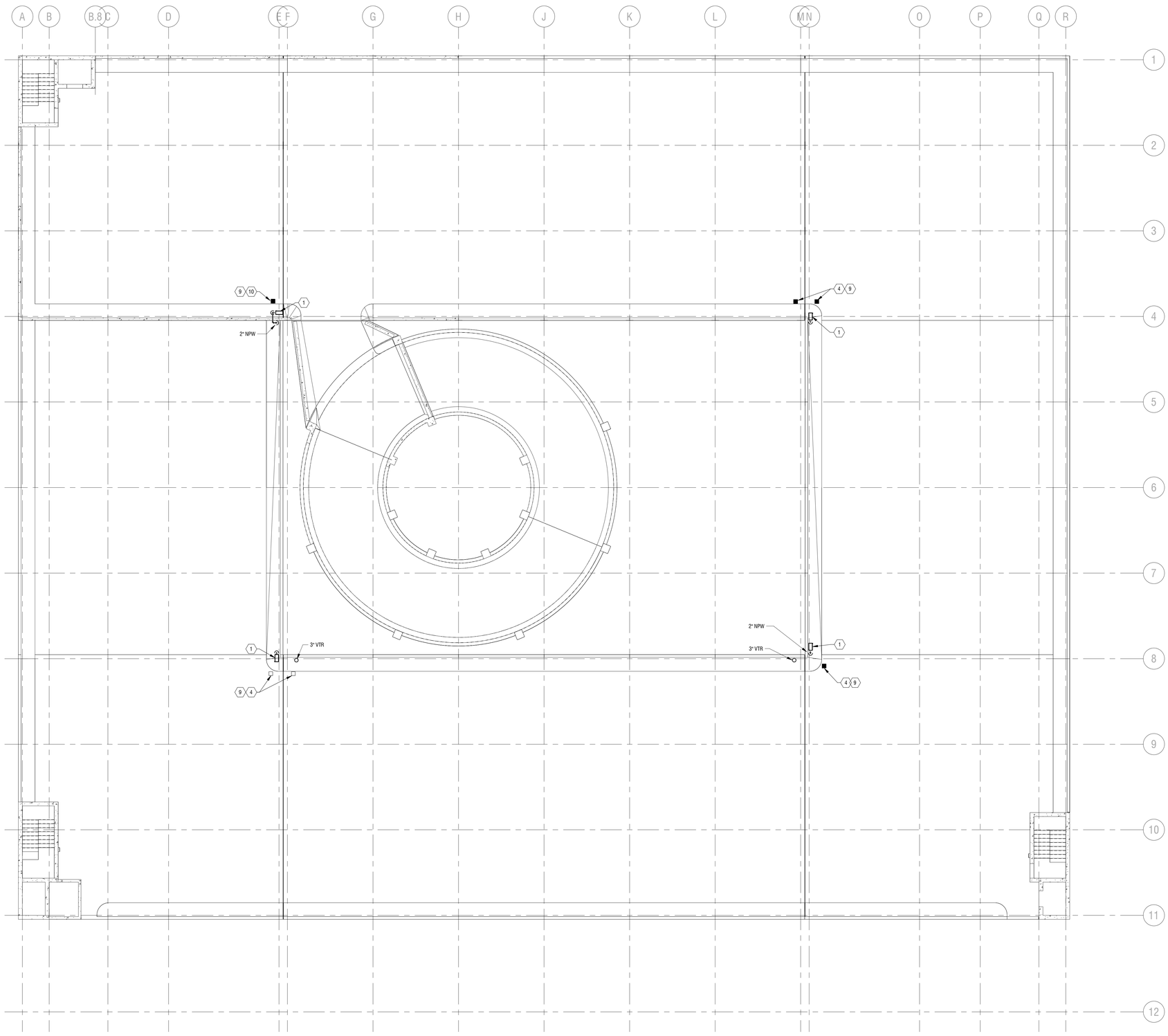
PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

LEVEL 6 PLUMBING PLAN

DRAWING NUMBER:

P106

2/18/2026 10:22:07 AM



1 P107 LEVEL 7 PLUMBING PLAN
3/32" = 1'-0"

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
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Expiration: September 2026

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Kalamazoo, Michigan

Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: SIK

REVIEWED BY: DMW

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/26

DRAWING NAME:

LEVEL 7 PLUMBING PLAN

DRAWING NUMBER:

P107

2/18/2026 10:22:07 AM

KEY NOTES:

1. REMOVE FD VALVE BOX AND ASSOCIATED PIPING. TYPICAL ALL FLOORS.
2. REMOVE FIRE VALVE SIGN IN MECHANICAL ROOM.
3. REMOVE 3" RISER 4'-0" ABOVE LEVEL 2. RISER DOWN TO MECHANICAL ROOM TO REMAIN.
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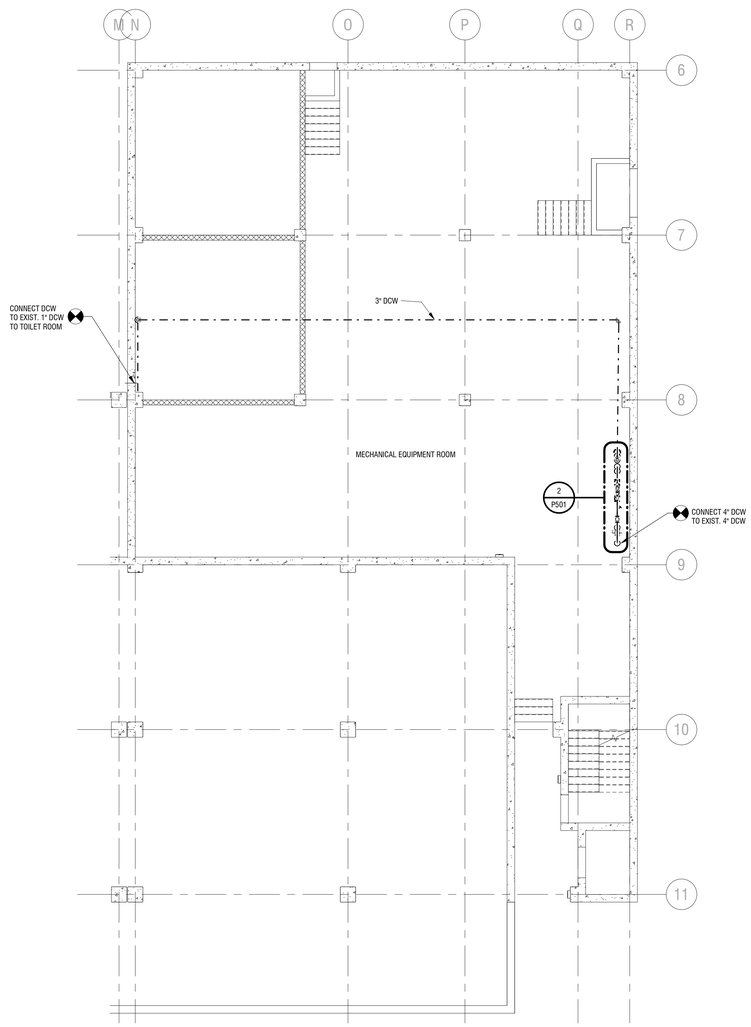
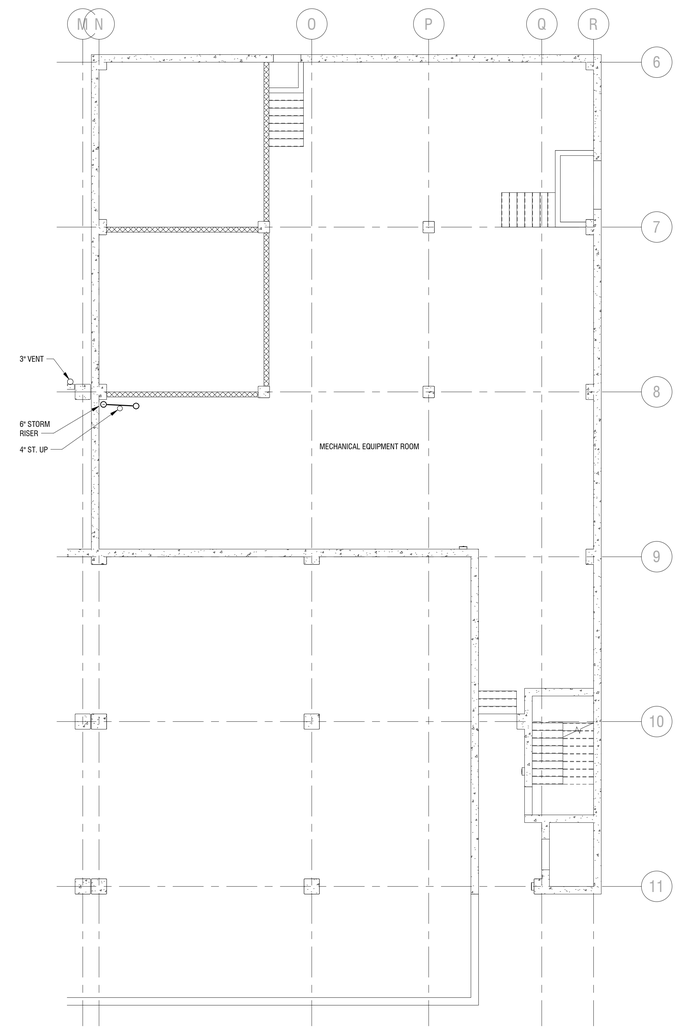


2 P401 LEVEL 1 ENLARGED DOMESTIC WATER PLAN
1/8" = 1'-0"
0' 2' 4' 8'



1 P401 LEVEL 1 ENLARGED SANITARY/WASTE PLAN
1/8" = 1'-0"
0' 2' 4' 8'

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Expiration: September 2026

CERTIFICATE OF AUTHORIZATION NUMBER:
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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Kalamazoo, Michigan

Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

PLUMBING ENLARGED PLANS

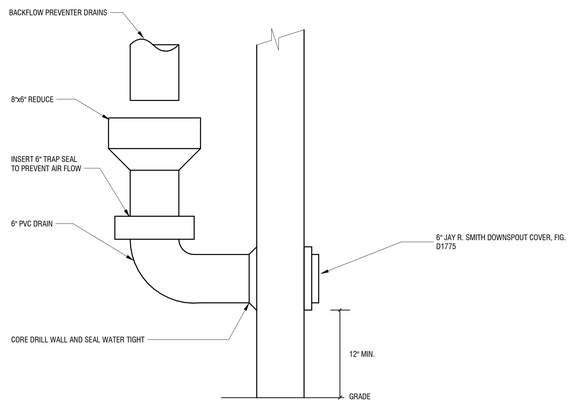
DRAWING NUMBER:

P401

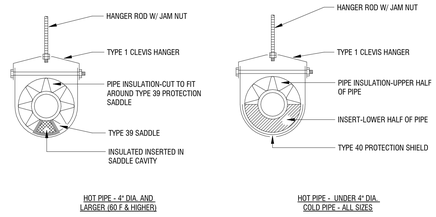
2/18/2026 10:22:58 AM

PLUMBING FIXTURE SCHEDULE

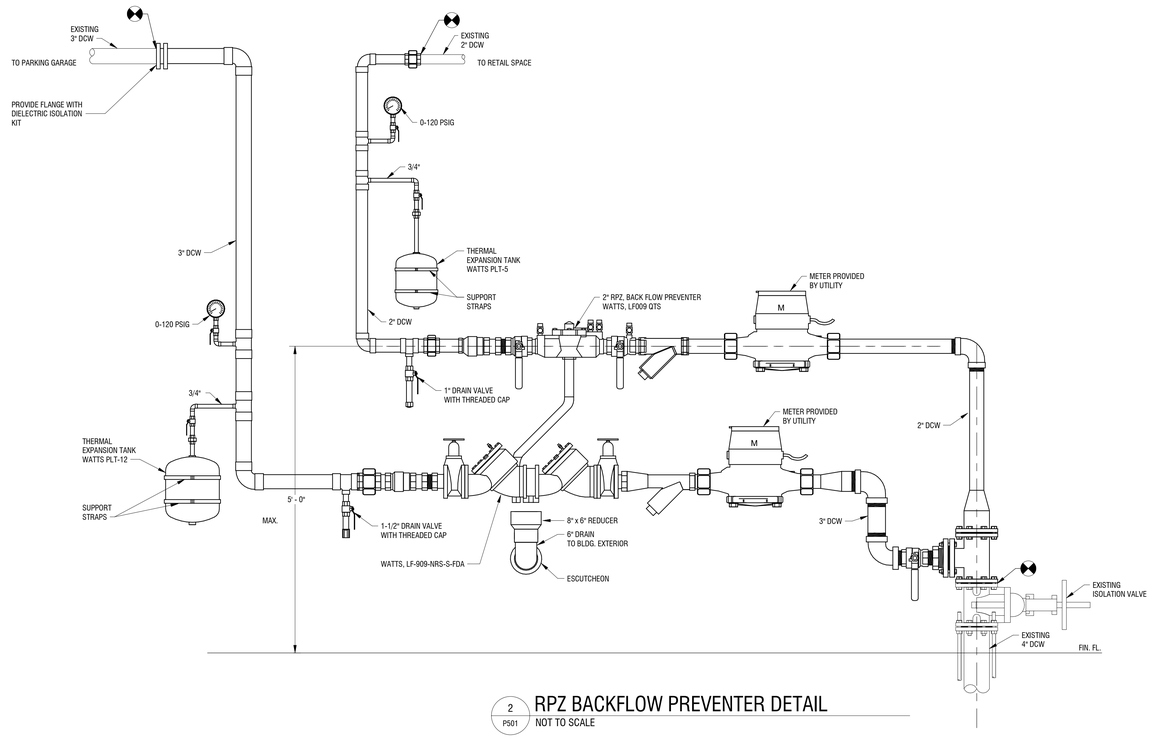
MARK	ITEM	MANUFACTURER	NAME	MODEL	PIPING				ACCESSORIES			REMARKS
					COLD	HOT	WASTE	VENT	ITEM	MANUFACTURER	MODEL	
FD-1	FLOOR DRAIN	JAY R. SMITH	HEAVY DUTY DRAIN FOR PARKING AREAS	1416	-	-	SEE PLANS	-	-	-	-	NICKEL BRONZE, SQUARE TOP WITH SEDIMENT BUCKET



3 P501 DRAIN AND TRAP SEAL DETAIL
1 1/2" = 1'-0"



1 P501 PLB - PIPE HANGER WITH INSULATION DETAIL
NOT TO SCALE



2 P501 RPZ BACKFLOW PREVENTER DETAIL
NOT TO SCALE

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LAND SURVEYING: 017976
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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

PLUMBING DETAILS

DRAWING NUMBER:

P501

2/18/2026 10:22:09 AM

GENERAL NOTES

1. BY EXECUTING THE CONSTRUCTION AGREEMENT, THE CONTRACTOR REPRESENTS THAT THEY HAVE VISITED THE SITE, FAMILIARIZED THEMSELVES WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, CORRELATED THEIR OBSERVATIONS WITH ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND IS AWARE OF THE OWNER'S INTENDED USE OF THE PROJECT AREA. ANY AREAS WHERE ADDITIONAL INFORMATION ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER, IN WRITING.

2. THE CONTRACTOR SHALL INSTALL WORK SUBSTANTIALLY AS INDICATED ON THE DRAWINGS. VERIFY EXACT LOCATION AND ELEVATIONS AT THE SITE. DO NOT SCALE THE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BEFORE START OF WORK.

3. THE CONTRACTOR IS TO PROTECT FURNISHINGS, EQUIPMENT, ETC. AND PROPERLY STORE MATERIAL REQUIRED UNTIL COMPLETION OF THE PROJECT.

4. CONTRACTOR TO VERIFY ALL MEASUREMENTS BEFORE ORDERING MATERIALS OR DOING ANY WORK. NO EXTRA COMPENSATION OR CHANGE ORDERS WILL BE ISSUED DUE TO DIFFERENCES BETWEEN ACTUAL MEASUREMENT AND DIMENSIONS ON THE DRAWINGS. CONTRACTOR SHALL LAY OUT ALL EQUIPMENT PRIOR TO FABRICATION OR INSTALLATION TO ASSURE PROPER FIT AND AVOIDANCE OF OBSTRUCTIONS, AND SHALL THOROUGHLY COORDINATE WORK WITH ALL TRADES AND DETERMINE EXACT ROUTE AND LOCATION OF EACH ELEMENT AND PIECE OF EQUIPMENT BEFORE FABRICATION AND INSTALLATION.

5. CONTRACTOR IS TO BE RESPONSIBLE FOR KEEPING THE GENERAL WORK AREA CLEAN AND FREE FROM DIRT AND CONSTRUCTION MATERIALS, AND CLEANING THE AREA THE END OF EACH DAY. ANY AND ALL DAMAGE TO THE EXISTING WALLS, CEILINGS, FLOOR, ETC. THAT OCCURS DURING THE WORK, SHALL BE REPAIRED AND PATCHED. IF THE SPECIFIC METHOD OF REPAIR IS IN QUESTION, THE CONTRACTOR IS TO CONFER WITH THE OWNER'S REPRESENTATIVE BEFORE COMMENCING THE REPAIR.

6. THE CONTRACTOR SHALL MAINTAIN ON THE SITE FOR THE OWNER A COMPLETE SET OF CONTRACT DOCUMENTS AND ALL COPIES OF APPROVED SHOP DRAWINGS. ALL CHANGE ORDERS, FIELD ORDERS, AND BULLETINS, PROGRESSIVELY FILED AND UPDATED TO REFLECT THE LATEST CHANGES.

7. THE CONTRACTOR IS TO PROVIDE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT.

8. CONTRACTOR ACKNOWLEDGES THEY HAVE VERIFIED WITH THE OWNER'S REPRESENTATIVE ALL OF THE DETAILS OF THE WORK PERFORMED INCLUDING THE ACCURACY OF ALL CONTRACT DRAWINGS AND SPECIFICATIONS. ALL MATERIALS AND EQUIPMENT ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.

9. ALL DEFECTS IN EQUIPMENT OR MATERIALS, OR ERRORS IN THE DRAWINGS DISCOVERED DURING THE PERFORMANCE OF THE WORK SHALL BE REPORTED PROMPTLY TO THE OWNER'S REPRESENTATIVE. IN NO EVENT SHALL THE WORK PROCEED UNTIL DEFECTS AND/OR ERRORS HAVE BEEN RESOLVED.

10. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF DEMOLITION MATERIALS AND PROPER DISPOSAL.

CODES AND REGULATIONS:

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK, BOTH ON AND OFF SITE. IF ANY OF THE CONTRACT DOCUMENTS ARE AT VARIANCE THEREWITH IN ANY RESPECT, CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING.

2. CONTRACTOR REPRESENTS AND WARRANTS COMPLIANCE WIT HALL FEDERAL, STATE, AND LOCAL LAWS, ORDNANCES AND REGULATIONS APPLICABLE TO THIS ORDER, INCLUDING THE NEW YORK STATE BUILDING CODE, AND LOCAL GOVERNING BODY.

FINAL COMPLETION:

1. PERFORM ALL OF THE WORK REQUIRED TO COMPLETE THE PROJECT, INCLUDING THE SATISFACTORY OPERATION OF ALL EQUIPMENT, AND THE CORRECTION OF ALL UNACCEPTABLE OR INCOMPLETE PORTIONS OF THE PROJECT TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, SETTLE ALL CLAIMS AND SECURE RELEASE OF ALL MECHANICS LIEN OR LENS OF A LIKE NATURE, AND SECURE THE ISSUANCE BY AN APPROPRIATE GOVERNMENT AUTHORITY OF A CERTIFICATE OF OCCUPANCY. REMOVE ALL RUBBISH, SURPLUS MATERIALS, SCAFFOLDING, AND EQUIPMENT FROM THE SITE WHETHER OR NOT LEFT BY OR BELONGING TO THE CONTRACTOR.

FIRE PROTECTION NOTES

1. THE DESIGN PRELIMINARY SHOWN ON THESE CONTRACT DOCUMENTS IS TO PROVIDE GUIDANCE FOR BIDDING AND TO OBTAIN APPROVAL OF THE AUTHORITIES HAVING JURISDICTION. SUBMIT COMPLETE FIRE SPRINKLER SHOP DRAWINGS AS REQUIRED BY CONTRACT DOCUMENTS TO THE OWNER'S DESIGNATED REVIEWER. BASE DESIGN UPON THESE DRAWINGS AND AS REQUIRED BY THE SPECIFICATIONS. SHOP DRAWINGS SHALL INCLUDE ELEVATIONS, HANGER LOCATIONS, PIPE LENGTHS, DIMENSIONS, FABRICATION METHODS, MATERIAL DATA, AND ADDITIONAL INFORMATION NECESSARY TO CLARIFY THE INTENT OF INSTALLATION. CONTRACTOR SHALL PROVIDE PIPE SIZE, SPRINKLER SPACING, AND SYSTEM CONFIGURATION AS SHOWN. ALTERNATES MUST BE APPROVED IN WRITING BY FIRE PROTECTION ENGINEER OF RECORD DOCUMENTS PRIOR TO BID.

2. NOTE CAREFULLY THAT THE FIRE PROTECTION DRAWING ARE INTENDED TO INDICATE, ONLY DIAGRAMMATICALLY, TO THE EXTENT AND GENERAL CHARACTER AND LOCATIONS OF THE WORK INCLUDED. PROVIDE ALL WORK OBVIOUSLY INTENDED, BUT HAVING MINOR DETAILS OMITTED OR NOT SHOWN. COMPLETE AS REQUIRED TO PERFORM THE FUNCTIONS INTENDED. FOLLOW THE CONTRACT DOCUMENTS FOR BUILDING DETAILS AND FIT THE WORK OF THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS THERETO.

3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING CURRENT HYDRANT TEST DATA (PERFORMED WITHIN LAST 6 MONTHS) AND PERFORMING HYDRAULIC CALCULATIONS: THE CONTRACTOR MAY RESIZE SPRINKLER PIPING IN ACCORDANCE TO HYDRAULIC CALCULATIONS.

4. COORDINATE LOCATIONS OF FIRE PROTECTION COMPONENTS, INCLUDING PIPING, ALARMS, RAINS, TEST POINTS, ETC. WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS. OBSTRUCTION TO SPRINKLER DISCHARGE MUST BE CONSIDERED DURING SHOP DRAWING PRODUCTION AND INSTALLATION. ADDITIONAL SPRINKLERS MAY BE REQUIRED AT NO ADDITIONAL COST TO OWNER, REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

5. SUBMIT A REQUEST FOR INFORMATION FOR QUESTIONS REGARDING THE FIRE PROTECTION DOCUMENTS.

6. CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH ALL OTHER TRADES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE CHANGES FROM BOTH THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S DESIGNATED REVIEW CONSULTANT IN ADDITION TO OBTAINING THE NECESSARY APPROVALS. THE CONTRACTOR MUST MAKE NOTE OF ANY FIELD OR COORDINATION CHANGES ON THE INSTALLATIONS DRAWINGS, AND PROVIDE A SET OF AS-BUILT DRAWINGS ONCE COMPLETE.

7. CONTRACTOR SHALL ROUTE PIPING AROUND ALL OBSTRUCTIONS AND PROVIDE SPRINKLER PROTECTION UNDER OBSTRUCTIONS AS DETAILED IN NFPA 13 AND NFPA 14 AS PART OF THE FIELD COORDINATION AT NO ADDITIONAL COST TO OWNER.

8. SUBMIT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO THE ENGINEER PRIOR TO STARTING PIPE FABRICATION.

9. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH APPROVED MATERIALS PER METHODS DESCRIBED BY THE UL FIRE RESISTANCE DIRECTORY.

10. PROVIDE ALL NECESSARY OFFSETS, RAISES, OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS. PIPE ELEVATION CHANGES ARE APPROXIMATE DIMENSIONS ONLY.

11. ALL MATERIALS SHALL BE UL LISTED OR FM APPROVED. SPRINKLER PIPE SHALL BE MANUFACTURED TO STANDARDS RECOGNIZED BY NFPA 13. THREADED PIPE SHALL HAVE A CORROSION RESISTANCE RATING OF 1.0 OR GREATER. CRIMP-TYPE COUPLERS SHALL NOT BE USED.

12. HYDROSTATICALLY TEST NEW ABOVE GROUND DRY STAND PIPE PIPING FOR LEAKAGE IN PRESENCE OF AUTHORITY HAVING JURISDICTION.

13. ROUTE SPRINKLER MAINS ABOVE BOTTOM CHORD OF JOISTS AND FOLLOW PITCH/SLOPE OF ALL CEILING PLANES WHERE PIPING IS EXPOSED.

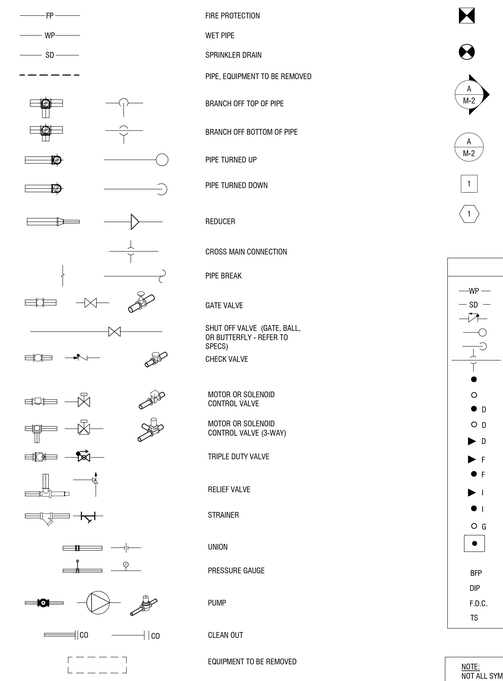
14. ASSURE DRY MANUAL STAND PIPE PIPE SYSTEMS ARE COMPLETELY DRAINABLE WITH NOW TRAPPED LOW POINTS.

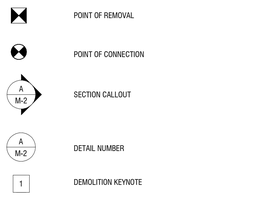
15. PROVIDE ALL KNOX BOXES ENCLOSURE MASTER KEYS AND SUPPORT FRAMING FOR ENCLOSURE.

16. PROVIDE SIGNAGE FOR (4) DRY MANUAL STAND PIPE SYSTEMS AND (1) WET SPRINKLER SYSTEM PER SPECIFICATIONS.

17. REFER TO ARCHITECTURAL DRAWINGS FOR ALL STRUCTURAL ELEVATIONS.

DRAWING SYMBOLS





FIRE PROTECTION SYMBOLS

—WP—	WET PIPE
—SD—	SPRINKLER DRAIN
	CHECK VALVE
	PIPE UP
	PIPE DOWN
	CROSS MAIN CONNECTION
●	PENDENT / WET SYSTEM
○	UPRIGHT / WET SYSTEM
● D	DRY PENDENT / DRY SYSTEM
○ D	DRY UPRIGHT / DRY SYSTEM
▶ D	DRY SIDEWALL / DRY SYSTEM
▶ F	DRY UPRIGHT / WET SYSTEM
● F	DRY PENDENT / WET SYSTEM
▶ I	INSTITUTIONAL SIDEWALL
● I	INSTITUTIONAL PENDENT
○ G	UPRIGHT WITH GUARD
●	CONCEALED PENDANT SPRINKLER HEAD
BFP	BACKFLOW PREVENTER
DIP	DUCTILE IRON PIPE
F.D.C.	FIRE DEPARTMENT CONNECTION
TS	TAMPER SWITCH

NOTE:
NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT DESIGNATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/ OR EXCLUSIONS OF ANY PARTICULAR ITEM FROM THIS PROJECT.

BUILDING CODE JURISDICTION: TOWN OF _____

1. BUILDING CODE OF NEW YORK STATE.
2. ENERGY CODE OF NEW YORK STATE.
3. PLUMBING CODE OF NEW YORK STATE.
4. MECHANICAL CODE OF NEW YORK STATE.
5. FIRE CODE OF NEW YORK STATE.
6. ENERGY CONVERSATION CODE OF NEW YORK STATE.
7. ACCESSIBLE AND USABLE BUILDING AND FACILITIES - CABO/ANSI A117.1 - 2009
8. NATIONAL ELECTRIC CODE 2005.
9. NATIONAL FIRE CODE: NFPA 13.
10. CODE OF THE TOWN OF _____

SEISMIC DESIGN

THIS BUILDING HAS BEEN DETERMINED TO BE:

SEISMIC DESIGN CATEGORY: CLASS ___

BUILDING USE: GROUP _____

BUILDING IMPORTANCE: _____

PROVIDE RESTRAINTS AS REQUIRED TO COMPLY WITH SECTION 1621 OF THE NYS BUILDING CODE. THIS BUILDING TO FUNCTION AFTER AN EARTH QUAKE.

CONTACT INFORMATION

DOCUMENTS INCLUDE JURISDICTIONAL REQUIREMENTS AS APPROVED BY THE FOLLOWING CONTACTS:

FIRE SPRINKLER REVIEWING AUTHORITY HAVING JURISDICTION:

XXX
XXX
XXX
XXX

BUILDING DEPARTMENT:

XXX
XXX
XXX
XXX
XXX

CROSS CONNECTION CONTROL AUTHORITY:

XXX
XXX
XXX
XXX
XXX

ABBREVIATIONS

NOTE: SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS

%	PRECENT	FA	FREE AREA	NIC	NOT IN CONTRACT
AC	ALTERNATING CURRENT	F.D.C.	FIRE DEPARTMENT CONNECTION	NO	NORMALLY OPEN
ADJ	ADJACENT	FF	FINISHED FLOOR	NPT	NATIONAL PIPE TREAD
AFF	ABOVE FINISHED FLOOR	FLA	FULL LOAD AMPS	NRS	NON-RISING STEM
AFG	ABOVE FINISHED GRADE	FPM	FEET PER MINUTE	NTS	NOT TO SCALE
ALT	ALTERNATE	FPS	FEET PER SECOND	OC	ON CENTER
AMB	AMBIENT	FT	FOOT OR FEET	OD	DIAMETER, OUTSIDE
AMP	AMPERE (AMP,AMPS)	FUT	FUTURE	OS&Y	OUTSIDE SCREW AND YOKE
ANSI	AMERICAN NATIONAL STANDARD	GA	GAGE OR GAUGE	PC	PLUMBING CONTRACTOR
APPR0X	INSTITUTE	GAL	GALLONS	PLBG	PLUMBING
AVG	APPOIRXIAMTE (LY)	GC	GENERAL CONTRACTOR	PH	PHASE (ELECTRICAL)
BFP	AVERAGE	GPM	GALLONS PER MINUTE	PRESS	PRESSURE
BHP	BACKFLOW PREVENTER	GPD	GALLONS PER DAY	PSF	POUNDS PER SQUARE FOOT
BLDG	BRAKE HORSEPOWER	GPH	GALLONS PER HOUR	PSI	POUNDS PER SQUARE INCH
BO	BUILDING	HD	HEAD	PSIG	PSI GUAGE
BSMT	BOTTOM OF	HG	MERCURY	PRV	PRESSURE REDUCING VALVE
BTU	BASEMENT	HORIZ	HORIZONTAL	RCVR	RECEIVER
BV	BRITISH THERMAL UNIT	HP	HORSEPOWER	RECIRC	RECIRCULATE
CAP	BALANCING VALVE	HPC	HIGH PRESSURE CONDENSATE	RHW	HOT WATER RE-CIRCULATION
CIP	CAPACITY	HPS	HIGH PRESSURE STEAM	RO	ROUGH OPENING
CLG	CAST IRON PIPE	HR	HOUR	RPDA	REDUCED-PRESSURE DETECTOR ASSY.
CLR	CEILING	HVAC	HEATING, VENTILATING, AND AIR	RPM	REVOLUTIONS PER MINUTE
CO	CLEAR	HZ	CONDITIONING	RPZ	REDUCED-PRESSURE ZONE
COL	CLEANOUT or CARBON MONOXIDE	ID	FREQUENCY	SPEC	SPECIFICATION
CONN	COLUMN	IN	DIAMTER, INSIDE	SPLY	SUPPLY
CONC	CONNECTION	INSUL	INCH	SQ	SQUARE
CONT	CONCRETE	INT	INSULATION	SQ FT	SQUARE FOOT (FEET)
CU FT	CONTINUOUS	IPS	INTERIOR	SQ IN	SQUARE INCH (INCHES)
CV	CUBIC FEET	INV	IRON PIPE SIZE	STD	STANDARD
CW	VALVE FLOW COEFFICIENT	KW	INVERT	SUCT	SUCTION
DCDA	DOMESTIC COLD WATER	KWH	KILOWATT	TSTAT	THERMOSTAT
DCV	DOUBLE CHECK DETECTOR ASSEMBLY	LBS	KILOWATT HOUR	TBD	TO BE DETERMINED
DCW	DETECTOR CHECK VALVE	LF	POUNDS	TD	TEMPERATURE DIFFERENCE
DEMO	DOMESTIC COLD WATER	LG	LINEAR FEET	TEMP	TEMPERATURE
DHW	DEMOLISH or DEMOLITION	LOC	LENGTH	TMV	THERMOSTATIC MIXING VALVE
DIA	DOMESTIC HOT WATER	LPC	LOCATION	TS	TAMPER SWITCH
DIP	DIAMETER	LPS	LOW PRESSURE CONDENSATE	TYP	TYPICAL
DWH	DUCTILE IRON PIPE	LRA	LOW PRESSURE STEAM	V	VOLT
DWV	DOMESTIC WATER HEATER	LWT	LOCKED ROTOR AMPS	VAC	VACUUM
DWG	DRAIN, WASTE, & VENT	MATL	LEAVING WATER TEMPERATURE	CAR	VARIABLE
(E)	DRAWING	MAX	MATERIAL	VEL	VELOCITY
ENGR	EXISTING	MBH	MAXIUM	VIF	VERIFY IN FIELD
EQ	ENGINEER	MECH	BTU PER HOUR (THOUSAND)	VOL	VOLUME
EST	EQUAL	MFG	MECHANICAL	W	WATT
ETR	ESTIMATED	MIN	MANUFACTURER	W/	WITH
EWH	EXISTING TO REMAIN	MISC	MINIMUM	W/O	WITH OUT
EWT	ELECTRIC WATER HEATER	MOCP	MISCELLANOUS	WCO	WALL CLEANOUT
EX	ENTERING WATER TEMPERATURE	MPC	MAXIMUM OVERCURRENT PROTECTION	WHA	WATER HAMMER ARRESTER
EXIST	EXISTING	MPS	MEDIUM PRESSURE CONDENSATE	WM	WATER METER
EXP	EXISTING	MTG	MEDIUM PRESSURE STEAM	WPD	WATER PRESSURE DROP
EXT	EXPANSION	N/A	MOUNTING	WT	WEIGHT
°F	EXTERIOR	NC	NOT APPLICABLE	WWP	WORKING WATER PRESSURE
	DEGREES FAHRENHEIT		NORMALLY CLOSED		

SPRINKLER HEAD TYPES

ROOM	TYPE	FINISH	SPRINKLER HEAD TEMP. RATING	MANUFACTURER	MODEL
ROOMS WITH SUSPENDED CEILINGS	SEMI-RECESSED	CHROME	165 F	VIKING	HORIZON 06697B
ROOMS WITH NO CEILINGS	UPRIGHT	BRASS	165 F	VIKING	MICROMATIC 10138
DAY ROOM, ALL VESTIBULES, LOBBIES, AND CORRIDORS	CONCEALED	WHITE	165 F	VIKING	HORIZON MIRAGE
2'-0" ABOVE BOTTOM OF ELEVATOR SHAFT	SIDEWALL	CHROME	165 F	VIKING	MICROMATIC HP
0'-0" TO 7'-0" FROM FACE OF UNIT HEATERS	VARIES	BRASS	HIGH (286 F)	VIKING	VARIES
7'-0" TO 20'-0" FROM FACE OF UNIT HEATERS	VARIES	BRASS	INTERMEDIATE (200 F)	VIKING	VARIES

LIST OF SUBMITTALS

- PIPE AND FITTINGS
- PIPE SUPPORTS
- ANCHORS AND BUILDING ATTACHMENTS
- STAND PIPE ACCESSORIES AND VALVES
- SHOP DRAWINGS
- HYDRAULIC CALCULATIONS

DESIGN: CLASS I, DRY MANUAL STAND PIPE, 500 GPM FOR EACH STAND PIPE AND 250 GPM FOR THE TWO MOST REMOTE STAND PIPE VALVES.

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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Centertown Parking Garage Improvements, Phase II
101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

FIRE PROTECTION LEGEND SHEET

DRAWING NUMBER:

F001

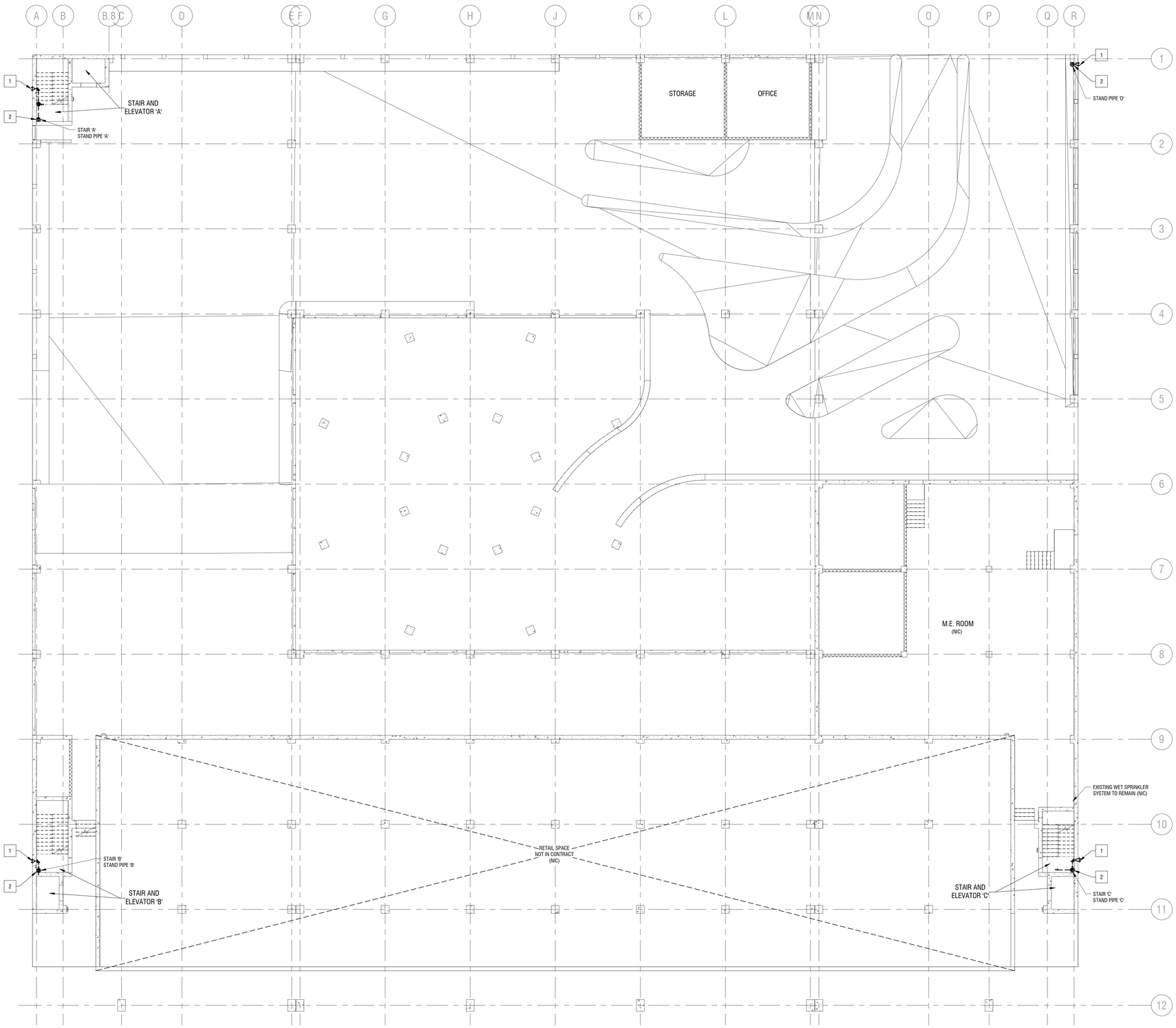
2/16/2026 12:12:53 PM

STAND PIPE DEMOLITION KEY NOTES:

1. REMOVE EXISTING FDC AND WALL PLATE.
2. REMOVE STAND PIPE, VALVES, AND 4" RISERS THROUGHOUT THE BUILDING. TYPICAL FOR (4) RISERS, SIMILAR ALL LEVELS.

FIRE PROTECTION GENERAL NOTES:

1. STAND PIPE 'A' EXTENDS TO LEVEL 7 (7 STAND PIPE VALVES).
2. STAND PIPE 'B' EXTENDS TO LEVEL 6 (6 STAND PIPE VALVES).
3. STAND PIPE 'C' EXTENDS TO LEVEL 6 (6 STAND PIPE VALVES).
4. STAND PIPE 'D' EXTENDS TO LEVEL 6 (6 STAND PIPE VALVES).



1 / F011 LEVEL 1 FIRE PROTECTION PLAN DEMOLITION
3/32" = 1'-0"

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

LEVEL 1 FIRE PROTECTION PLAN DEMOLITION

DRAWING NUMBER:

F011

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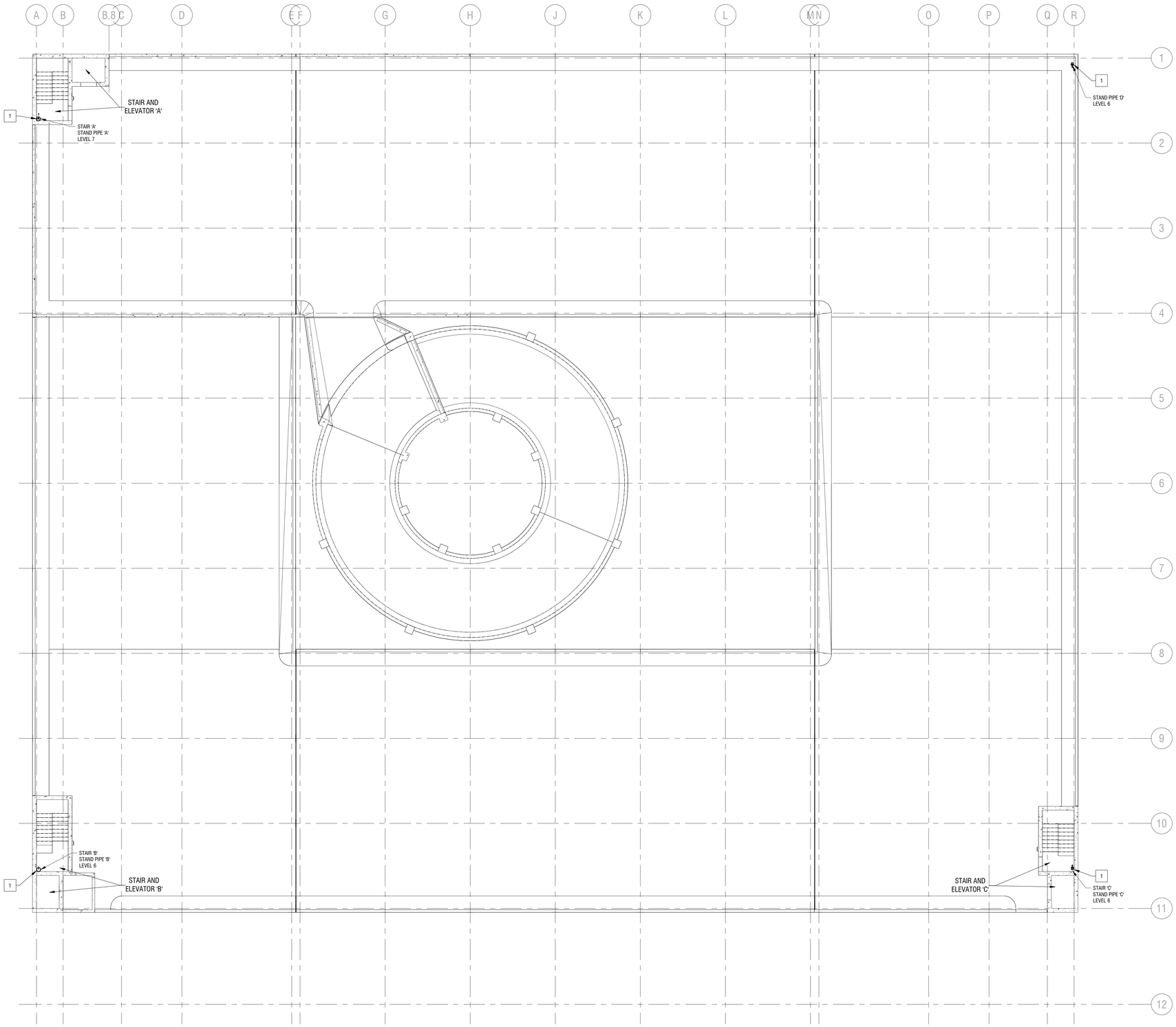
STAND PIPE DEMOLITION KEY NOTES:

1 REMOVE STAND PIPE, VALVES, AND 4" RISERS THROUGHOUT THE BUILDING. TYPICAL FOR (4) RISERS, SIMILAR ALL LEVELS.



1 F012 LEVEL 6-7 FIRE PROTECTION PLAN DEMOLITION
3/32" = 1'-0"

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GEOLOGICAL: 018750

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Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: SIK

REVIEWED BY: DMW

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/26

DRAWING NAME:

LEVEL 6-7 FIRE PROTECTION PLAN DEMOLITION

DRAWING NUMBER:

F012

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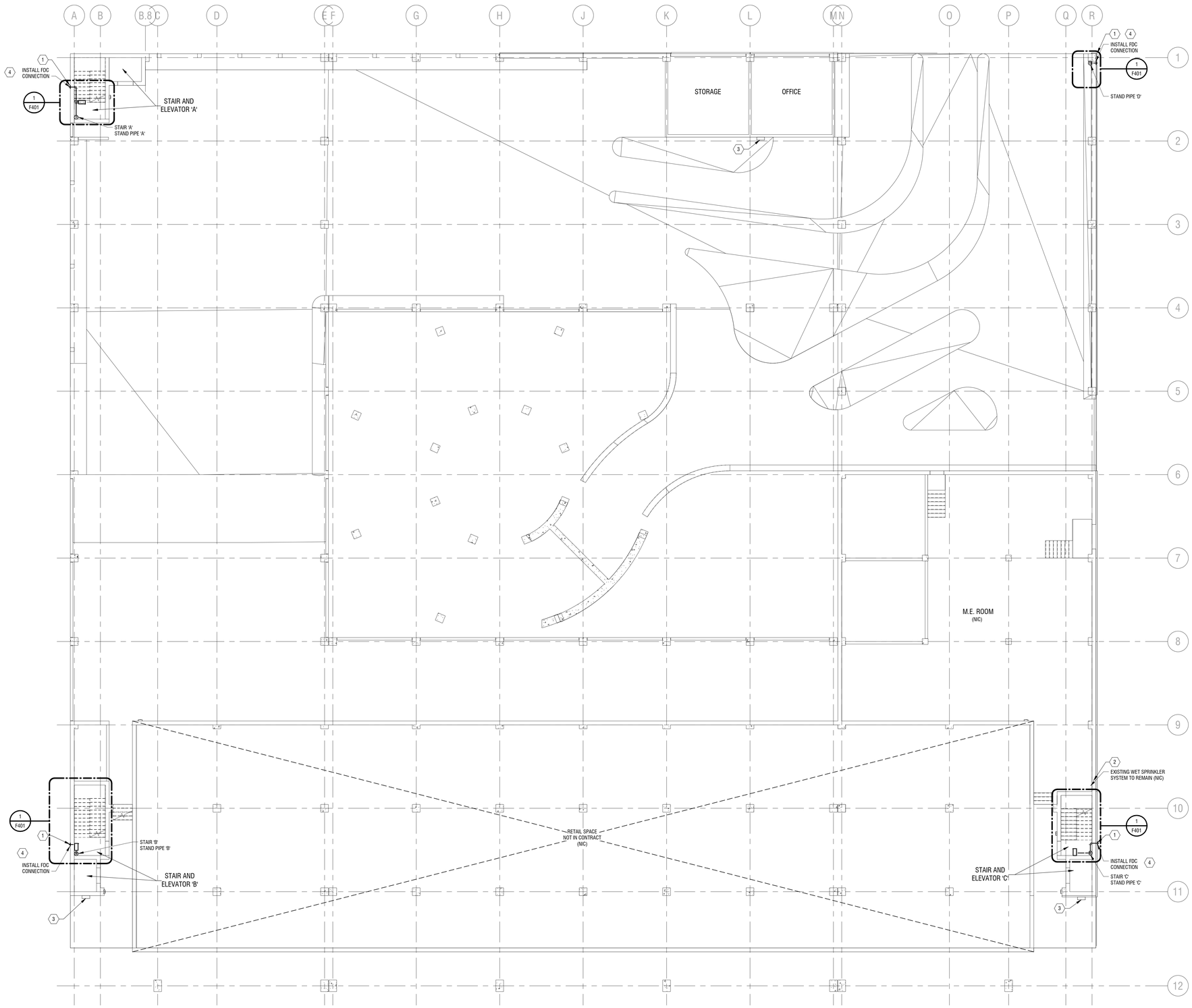

1 / F101 LEVEL 1 FIRE PROTECTION PLAN
3/32" = 1'-0"

FIRE PROTECTION GENERAL NOTES:

1. STAND PIPE 'A' EXTENDS TO LEVEL 7 (7 STAND PIPE VALVES AND 1 VENT VALVE AT TOP OF RISER).
2. STAND PIPE 'B' EXTENDS TO LEVEL 6 (6 STAND PIPE VALVES AND 1 VENT VALVE AT TOP OF RISER).
3. STAND PIPE 'C' EXTENDS TO LEVEL 6 (6 STAND PIPE VALVES AND 1 VENT VALVE AT TOP OF RISER).
4. STAND PIPE 'D' EXTENDS TO LEVEL 6 (6 STAND PIPE VALVES AND 1 VENT VALVE AT TOP OF RISER).

FIRE PROTECTION KEY NOTES:

1. INSTALL FDC SIGN, TYP. FOR (4) PLACES. EACH SIGN IS ZONE SPECIFIC TO THE FDC, REFER TO SPECIFICATIONS FOR SIGN REQUIREMENTS.
2. INSTALL FDC SIGN FOR WET AUTOMATIC SYSTEM. REFER TO SPECIFICATIONS FOR SIGN REQUIREMENTS.
3. INSTALL KNOX BOX KEY STORAGE BOX, TYPICAL FOR (2) PLACES. PROVIDE KNOX KEYLOCK FOR FDC CONNECTIONS AND MASTER KEY FOR STAND PIPE ENCLOSURES.
4. VERIFY FIRE DEPARTMENT CONNECTIONS WITH FIRE MARSHALL.

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STATE OF NEW YORK
EDWARD J. FASCIANO
D 2 1 0 4 4
LICENSED PROFESSIONAL ENGINEER

Expiration: September 2026

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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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101 West Gray Street, Elmira, NY 14901

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076
DRAWN BY: SIK
REVIEWED BY: DMW
ISSUED FOR: BID DOCUMENTS
DATE: 02/16/26
DRAWING NAME:

LEVEL 1 FIRE PROTECTION PLAN

DRAWING NUMBER:

F101

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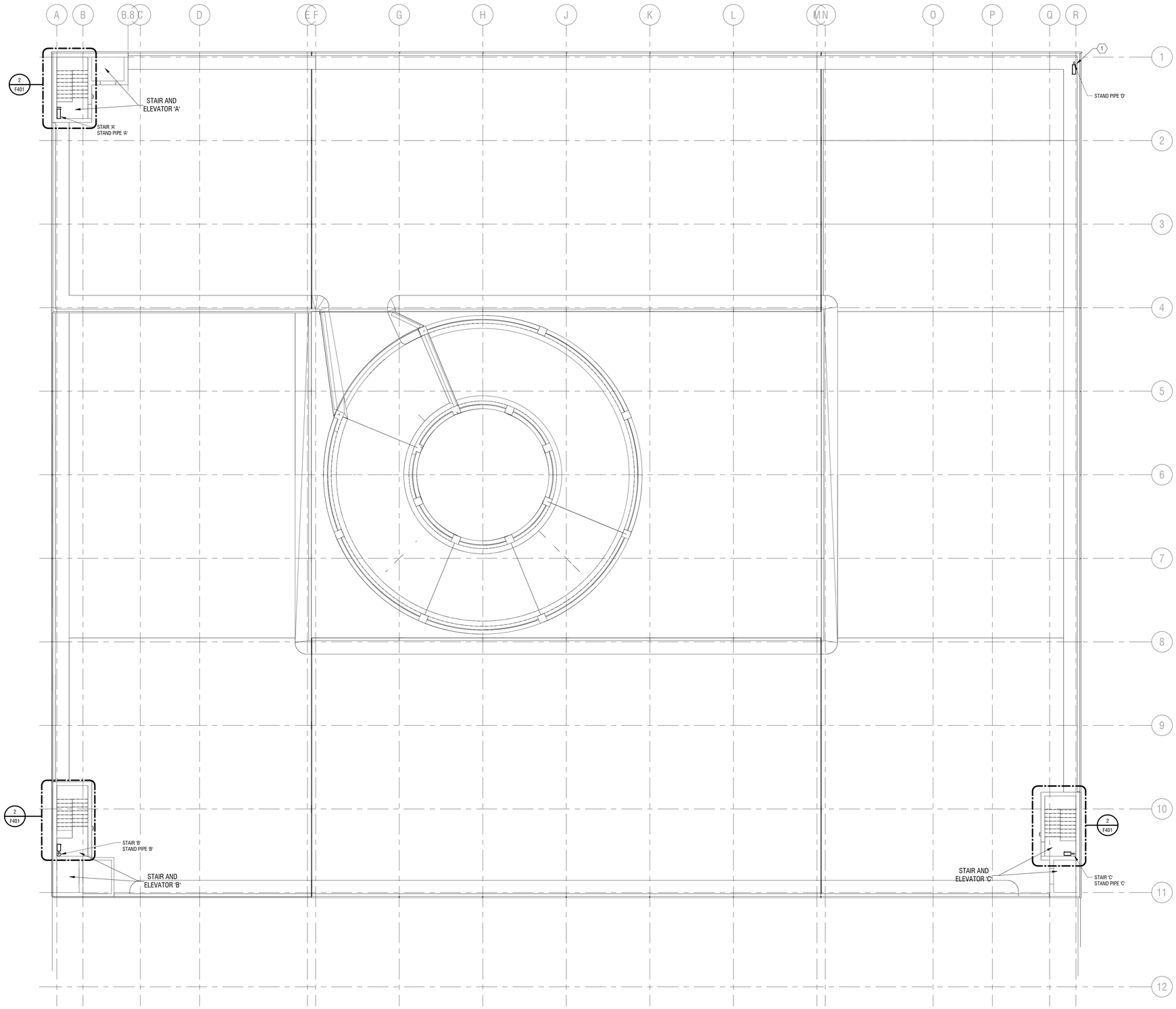
FIRE PROTECTION KEY NOTES:

1. PROVIDE GALV. STEEL FRAMING TO SUPPORT STAND PIPE VALVE FOR STAND PIPE 'D', TYPICAL ALL FLOORS.



1 F102 LEVEL 6-7 FIRE PROTECTION PLAN
3/32" = 1'-0"

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Revisions		

PROJECT NUMBER: 2242076

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ISSUED FOR: BID DOCUMENTS

DATE: 02/16/26

DRAWING NAME:

LEVEL 6-7 FIRE PROTECTION PLAN

DRAWING NUMBER:

F102

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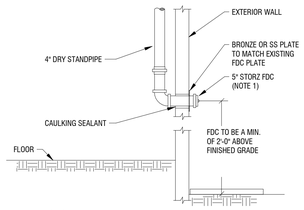
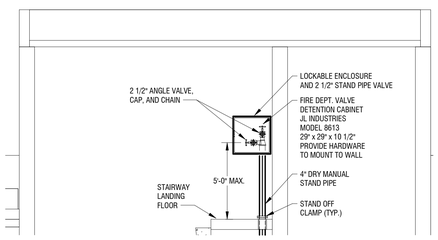


NOTES:
1. VERIFY FDC CONNECTION WITH FIRE MARSHALL PRIOR TO ORDERING EQUIPMENT.

3 / F401 FP - SYSTEM TEST CONNECTION DETAIL

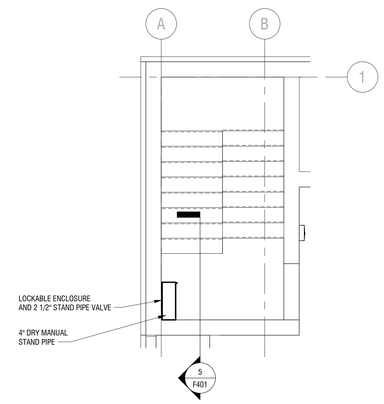
NOT TO SCALE



NOTE:
1. FIELD FIT OPENING IN ENCLOSURE WITH MAX 1/8" CLEARANCE AROUND PIPE.

5 / F401 TYPICAL LEVEL 6-7 FIRE PROTECTION RISER DETAIL

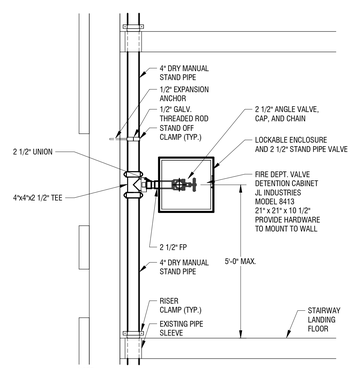
NOT TO SCALE



2 / F401 ENLARGED LEVEL 6-7 TYPICAL FIRE PROTECTION PLAN

1/4" = 1'-0"

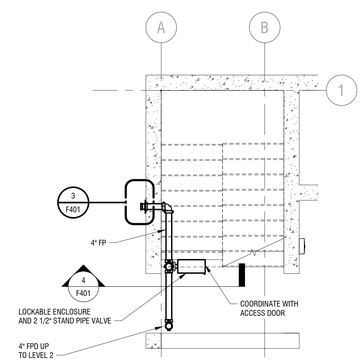
0' 2' 4' 8'



NOTE:
1. FIELD FIT OPENING IN ENCLOSURE WITH MAX 1/8" CLEARANCE AROUND PIPE.

4 / F401 TYPICAL FIRE PROTECTION RISER DETAIL

NOT TO SCALE



1 / F401 ENLARGED FIRE PROTECTION PLAN

1/4" = 1'-0"

0' 2' 4' 8'

SIMILAR FOR (4) PLACES.

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LAND SURVEYING: 017876
GEOLOGICAL: 018750

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2242076

DRAWN BY: SIK

REVIEWED BY: DMW

ISSUED FOR: BID DOCUMENTS

DATE: 02/16/26

DRAWING NAME:

ENLARGED FIRE PROTECTION PLANS AND DETAILS

DRAWING NUMBER:

F401

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