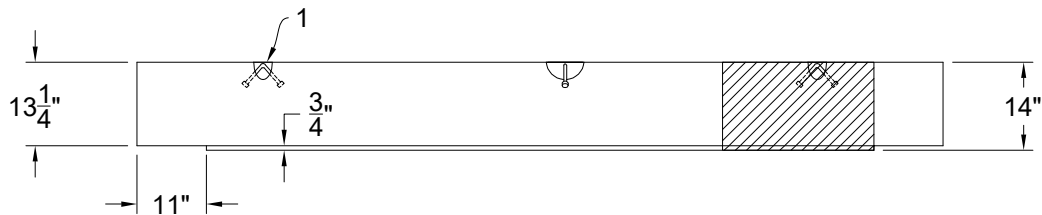
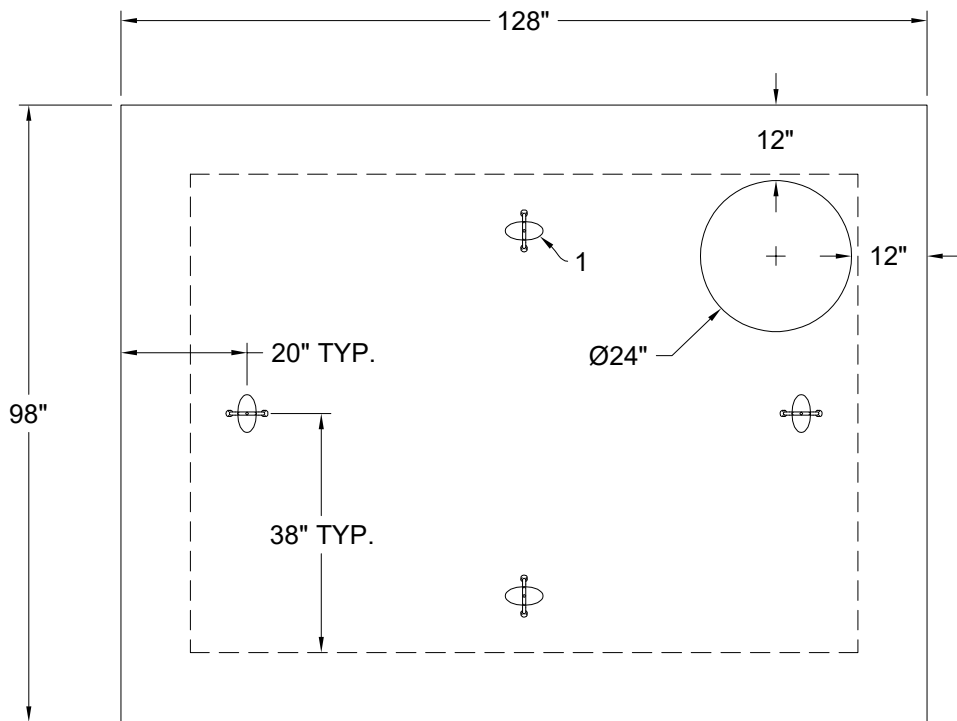


9'-0"x6'-6" TYPE I MH-19



QC CHECKLIST

Pre Pour	Form Condition		Post Pour	Strip Stength	
	Form Oil			Finish/Surface	
	Dimensions			Dimensions	
	Holes/Inserts			Crack/Spall/Honeycomb	
	Reinforcing			Holes/Inserts	
	Lifters			Lifters	
	Assembler			Finisher	
	Tech			Tech	



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CUSTOMER:
AMERICAN WEST

PROJECT/PROJECT NUMBER:
BROOMFIELD HEIGHTS STORM AND PED IMPROVEMENTS 24-2093

STRUCTURE ID:
MH-19

PROJECT MANAGER:
EG

RIM ELEVATION:
5378.19'

INVERT OUT ELEVATION:
(53"x83" HERCP) 5370.45' (E)

INVERT IN ELEVATION:
(30" RCP) 5371.01' (S)

INVERT IN ELEVATION:
(18" RCP) 5371.01' (N)

INVERT IN ELEVATION:
(3'x7' RCBC) 5373.20' (W)

INVERT IN ELEVATION:
(-)-

RIM TO INVERT:
7.74'

OVERALL HEIGHT:
113"

SECTION	WEIGHT(LBS)	VOLUME(CY)
TOP	15,056	3.76
BOTTOM	33,962	8.49
TOTAL	49,018	12.25

Type I/L cement with fly ash.
5000 psi concrete at 28 days.

#	QTY	U/M	DESCRIPTION
1	8	EA	LUA66G LIFT ANCHOR
2	4	EA	8T 6-3/4" LIFT PIN
3	5	EA	ML-13 STEP
4	1	EA	5"x24" "STORM SEWER" R&C
5	-	EA	-
6	-	EA	-
7	-	EA	-
8	-	EA	-
9	-	EA	-

PRODUCTION REVISION

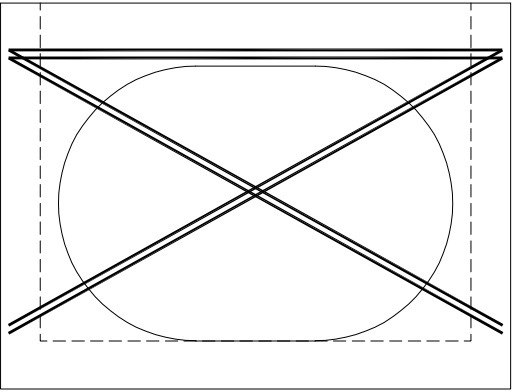
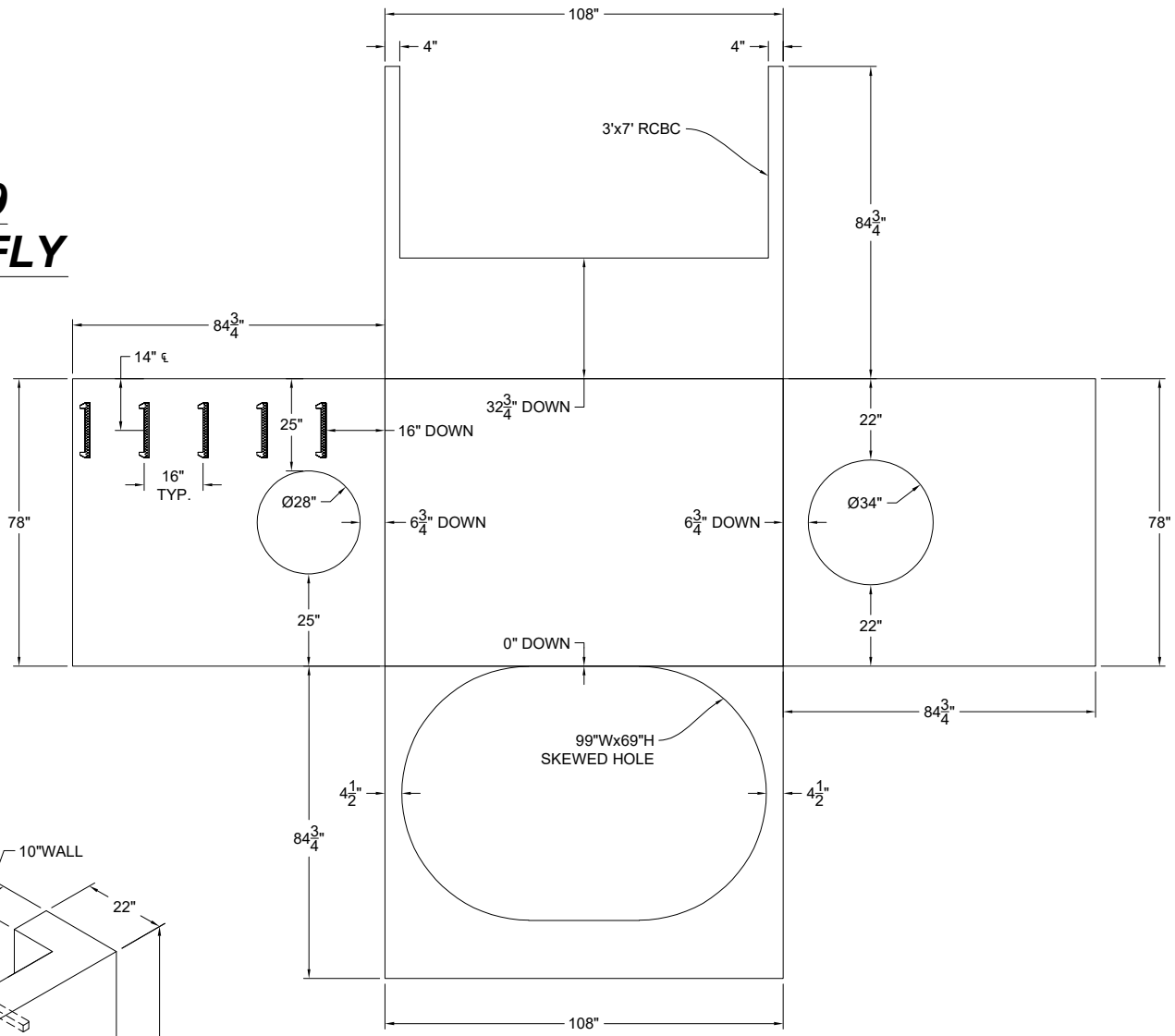
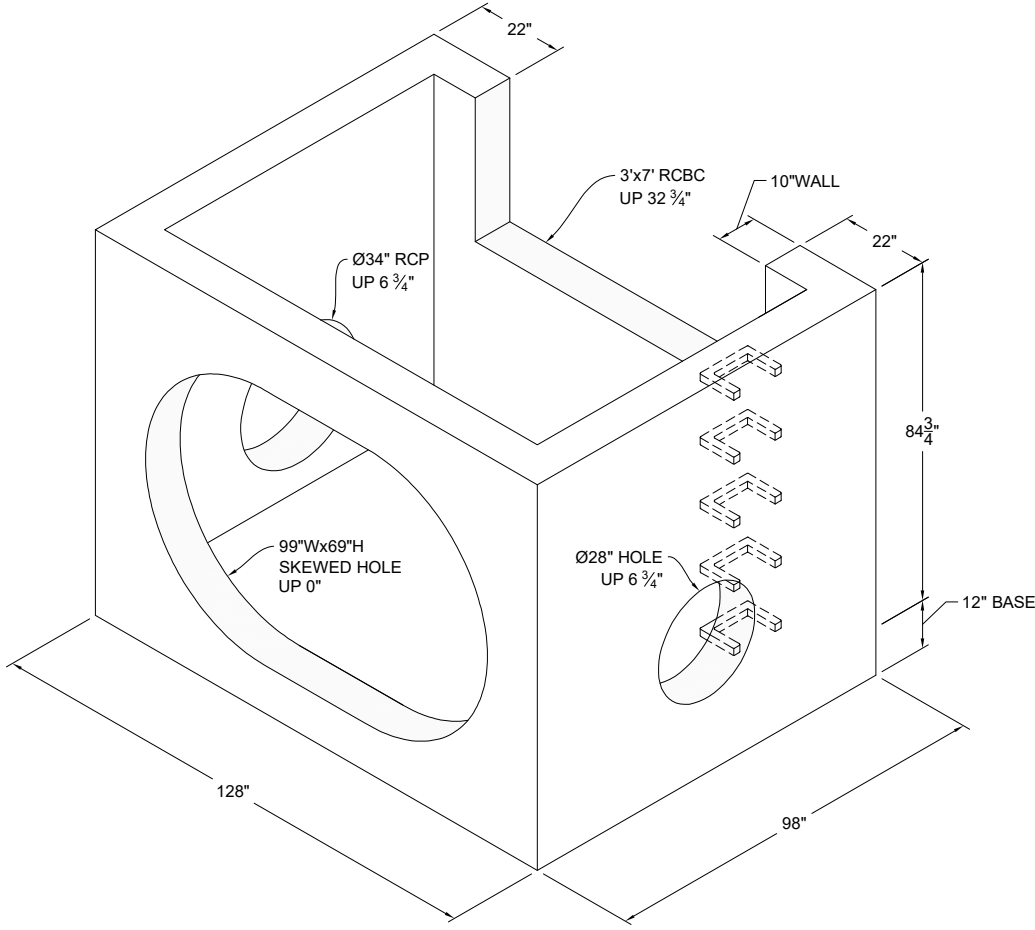
BY: --- DATE: -/-/- #:

DRAWN BY: OJV CHECKED BY: - DATE DRAWN: 5/13/25

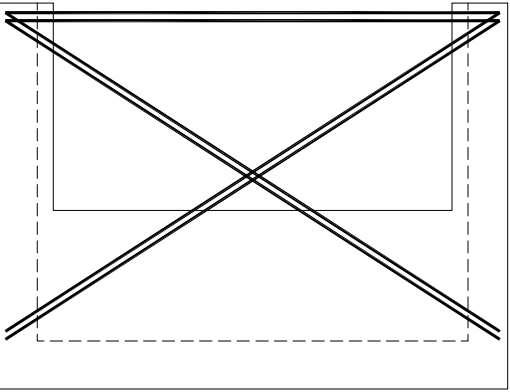
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9'-0"x6'-6" TYPE I MH-19
ISOMETRIC AND BUTTERFLY
VIEWS



ELEVATION VIEW



ELEVATION VIEW

QC CHECKLIST

Pre Pour	Form Condition		Post Pour	Strip Stength	
	Form Oil			Finish/Surface	
	Dimensions			Dimensions	
	Holes/Inserts			Crack/Spall/Honeycomb	
	Reinforcing			Holes/Inserts	
	Lifters			Lifters	
	Assembler			Finisher	
	Tech			Tech	



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5	-	EA	-
6	-	EA	-
7	-	EA	-
8	-	EA	-
9	-	EA	-

PRODUCTION REVISION

BY: --- DATE: -/-/- #:

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RIM TO INVERT:
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OVERALL HEIGHT:
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BOTTOM	33,962	8.49
TOTAL	49,018	12.25

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5	-	EA	-
6	-	EA	-
7	-	EA	-
8	-	EA	-
9	-	EA	-

PRODUCTION REVISION

BY:--- DATE:--/--/-- #:△

DRAWN BY:
OJV

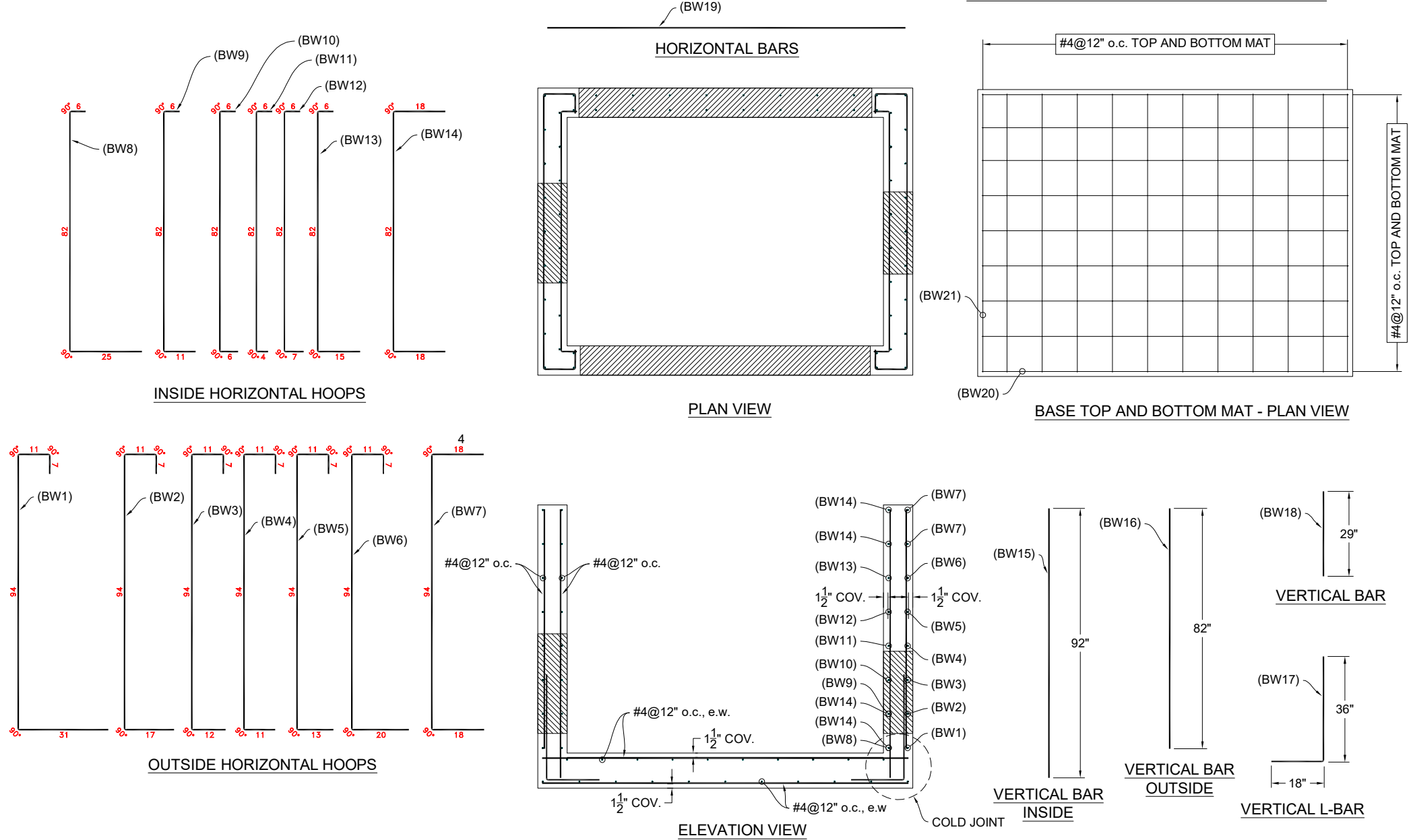
CHECKED BY:
-

DATE DRAWN:
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NPCA
CERTIFIED PLANT

9'-0"x6'-6" TYPE I MH-19 BASE / WALL REBAR



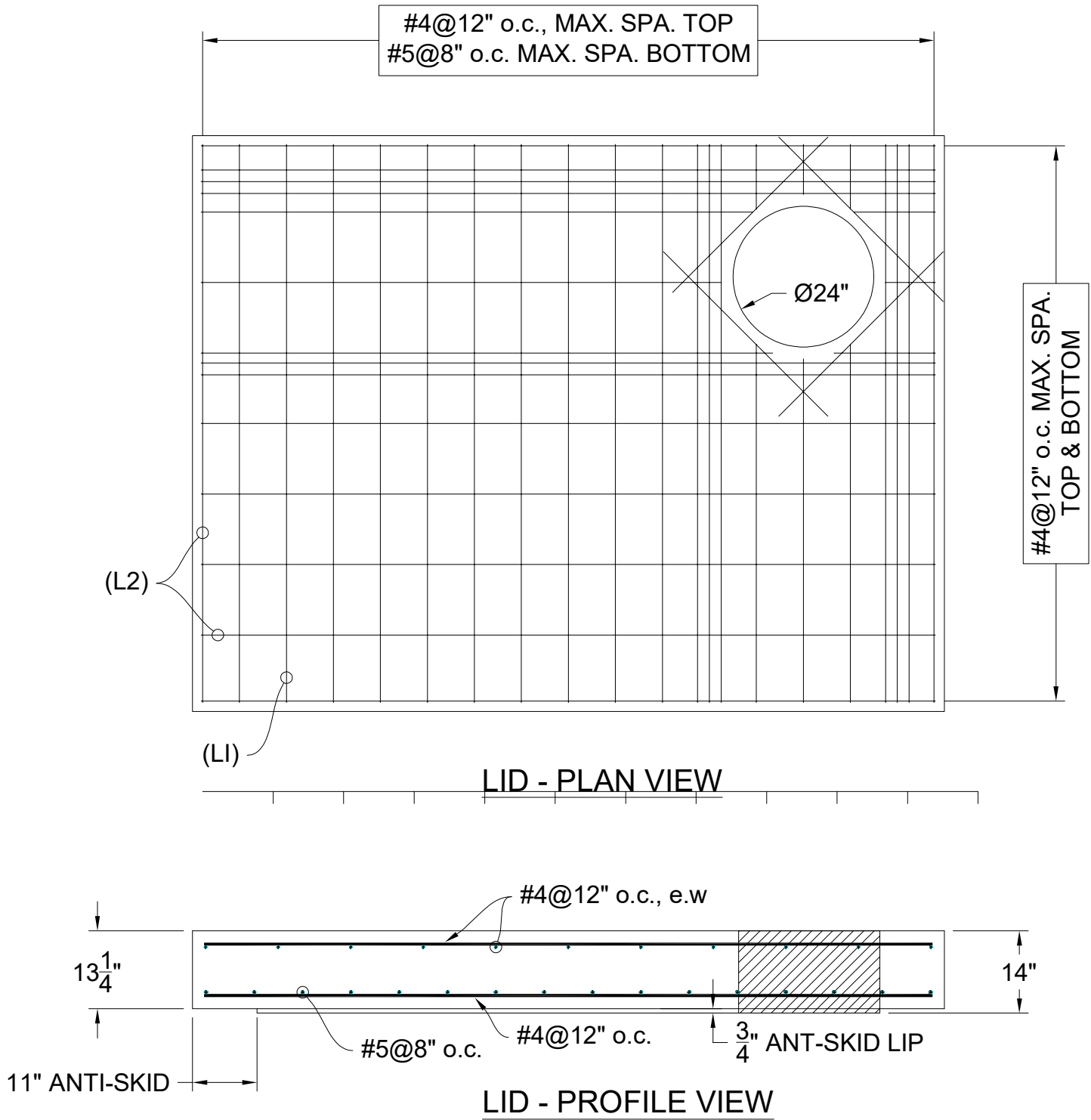
REINFORCING GRADE 60 BLACK REBAR

Size	Mark	Total number	Cutting length [in]	Grade	Note
#4	BW1	2	144	#60	OUTSIDE HORIZ. HOOP
#4	BW2	2	130	#60	OUTSIDE HORIZ. HOOP
#4	BW3	2	124	#60	OUTSIDE HORIZ. HOOP
#4	BW4	2	124	#60	OUTSIDE HORIZ. HOOP
#4	BW5	2	125	#60	OUTSIDE HORIZ. HOOP
#4	BW6	2	132	#60	OUTSIDE HORIZ. HOOP
#4	BW7	4	131	#60	OUTSIDE HORIZ. HOOP
#4	BW8	2	113	#60	INSIDE HORIZ. HOOP
#4	BW9	2	99	#60	INSIDE HORIZ. HOOP
#4	BW10	2	95	#60	INSIDE HORIZ. HOOP
#4	BW11	2	92	#60	INSIDE HORIZ. HOOP
#4	BW12	2	95	#60	INSIDE HORIZ. HOOP
#4	BW13	2	103	#60	INSIDE HORIZ. HOOP
#4	BW14	6	118	#60	INSIDE HORIZ. HOOP
#4	BW15	21	92	#60	INSIDE LONG VERTICAL BARS
#4	BW16	22	82	#60	OUTSIDE LONG VERTICAL BARS
#4	BW17	34	54	#60	OUTSIDE VERTICAL L-BARS
#4	BW18	16	29	#60	VERTICAL SHORT BARS
#4	BW19	10	122	#60	HORIZONTAL BARS
#4	BW20	9	125	#60	BASE LONG BARS
#4	BW21	12	95	#60	BASE SHORT BARS
Total mass = 416 lb					

TRIM OPENINGS WITH DIAGONAL #4 BARS, EXTEND BARS MINIMUM 12" BEYOND OPENINGS, BEND AS REQUIRED TO MAINTAIN BAR CAR

QC CHECKLIST

Pre Pour	Form Condition		Post Pour	Strip Stength	
	Form Oil			Finish/Surface	
	Dimensions			Dimensions	
	Holes/Inserts			Crack/Spall/Honeycomb	
	Reinforcing			Holes/Inserts	
	Lifters			Lifters	
Assembler			Finisher		
Tech			Tech		



9'-0"x6'-6" TYPE I MH-19 LID REBAR

REINFORCING GRADE 60 BLACK REBAR

Size	Mark	Total number	Cutting length [in]	Grade	Note
#4	(L1)	21	125	#60	BOTTOM SHORT BARS
#5	(L2)	28	95	#60	TOP / BOTTOM LONG BARS
#4	(L3)	16	95	#60	TOP SHORT BARS
#4	(L4)	4	40	#60	TRIM BARS
Total mass = 471 lb					

TRIM OPENINGS WITH DIAGONAL #4 BARS, EXTEND BARS MINIMUM 12" BEYOND OPENINGS, BEND AS REQUIRED TO MAINTAIN BAR CAR

QC CHECKLIST

Pre Pour	Form Condition		Post Pour	Strip Stength	
	Form Oil			Finish/Surface	
	Dimensions			Dimensions	
	Holes/Inserts			Crack/Spall/Honeycomb	
	Reinforcing			Holes/Inserts	
	Lifters			Lifters	
	Assembler			Finisher	
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PROJECT/PROJECT NUMBER:	BROOMFIELD HEIGHTS STORM AND PED IMPROVEMENTS 24-2093	
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PROJECT MANAGER:	EG	
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INVERT IN ELEVATION:	(-)-	
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OVERALL HEIGHT:	113"	

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BY: --- DATE: -/-/- #:		
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OJV	-	5/13/25
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