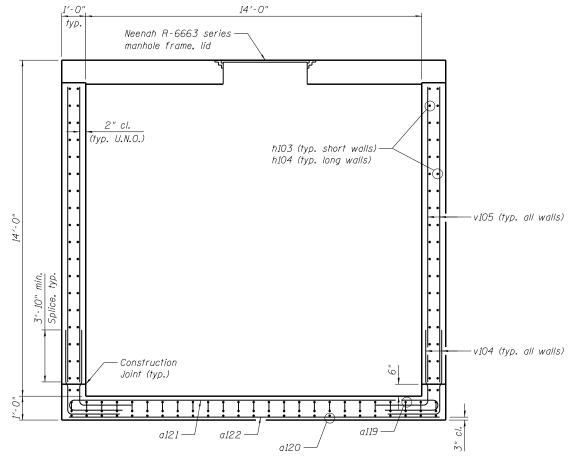
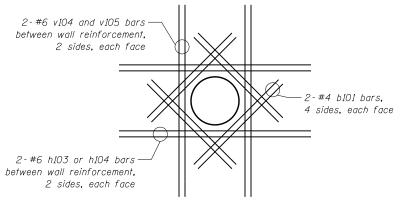


REINFORCEMENT AROUND

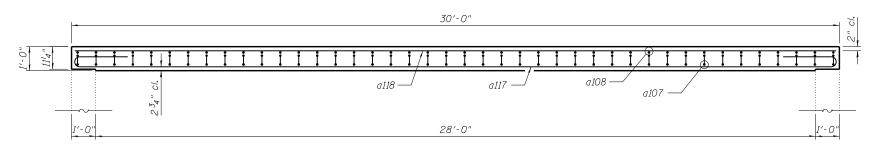
MANHOLE FRAME LID





TYPICAL ADDITIONAL
REINFORCEMENT AROUND PIPE
PENETRATIONS

## SECTION A-A



## SECTION B-B

## NOTES:

All reinforcement to have 2" clear cover unless noted otherwise. Cost of sump pits included with Concrete Structures.

f'\_c = 3,500 psi

 $f_V = 60,000 \text{ psi (Reinforcement)}$ 

U.N.O. - Unless Noted Otherwise

		U
	LIN ENGINEERING,LTD.	
	Consulting Engineers	Р
_	Springfield, Illinois	Р

USER NAME = seb	DESIGNED	-	RGB	REVISED -
	DRAWN	-	AJF	REVISED -
PLOT SCALE = 0:2.0000 ':' / in.	CHECKED	-	LMS	REVISED -
PLOT DATE = 9/23/2014	DATE	-	08/22/2014	REVISED -

STATE	: OI	FILLINOIS	
DEPARTMENT	0F	TRANSPORTATION	

SCALE:

FORCE MAIN VAULTS STRUCTURAL DETAILS - C3 28'x14'						F.A.I. RTE.	SECTION		
MISSOURI AVENUE DEEP WELL FACILITY							64	82-4T-1	
WIGOCOM AVENUE DELI WEEE LAGIETTI									
	SHEET	04	OF	80	SHEETS	STA.	TO STA.		ILLINOIS