MO-FLEX NURSERY BUILDING PLAN PREPARED FOR: MISSOURI PLAN SERVICE PLAN NUMBER: M04-726-94C1

DEVELOPED BY:

JOSEPH M. ZULOVICH, Ph.D., P.E. COMMERCIAL AGRICULTURAL ENGINEER ANIMAL STRUCTURES SPECIALIST

COMMERCIAL AGRICULTURE PROGRAM UNIVERSITY EXTENSION

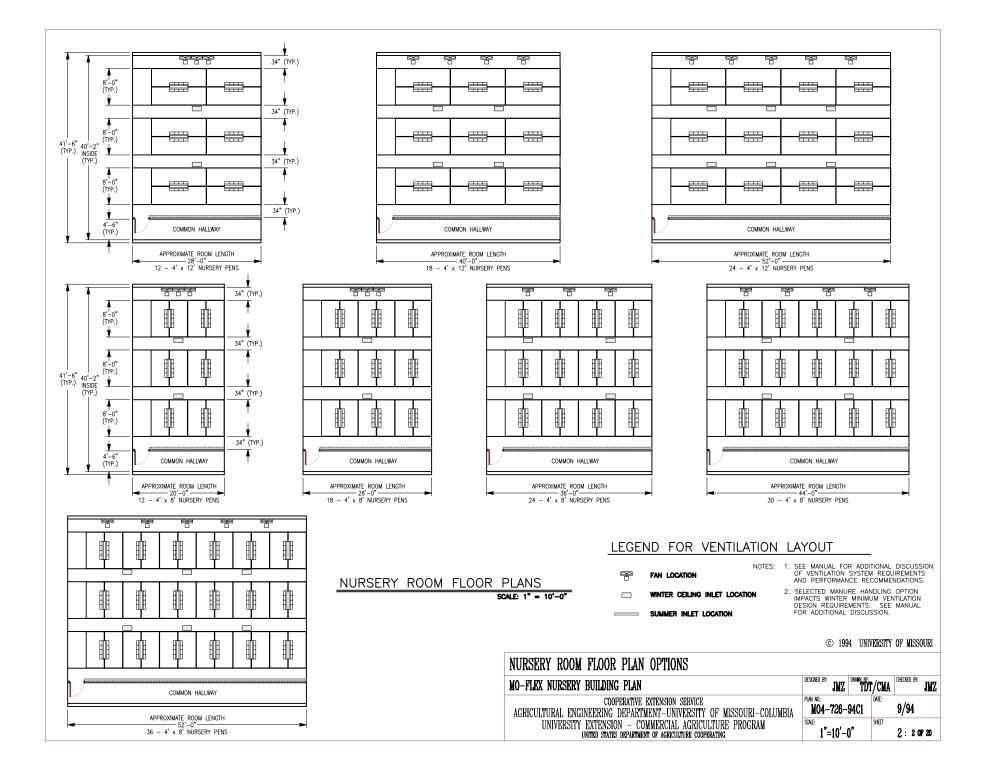
AGRICULTURAL ENGINEERING DEPARTMENT UNIVERSITY OF MISSOURI – COLUMBIA

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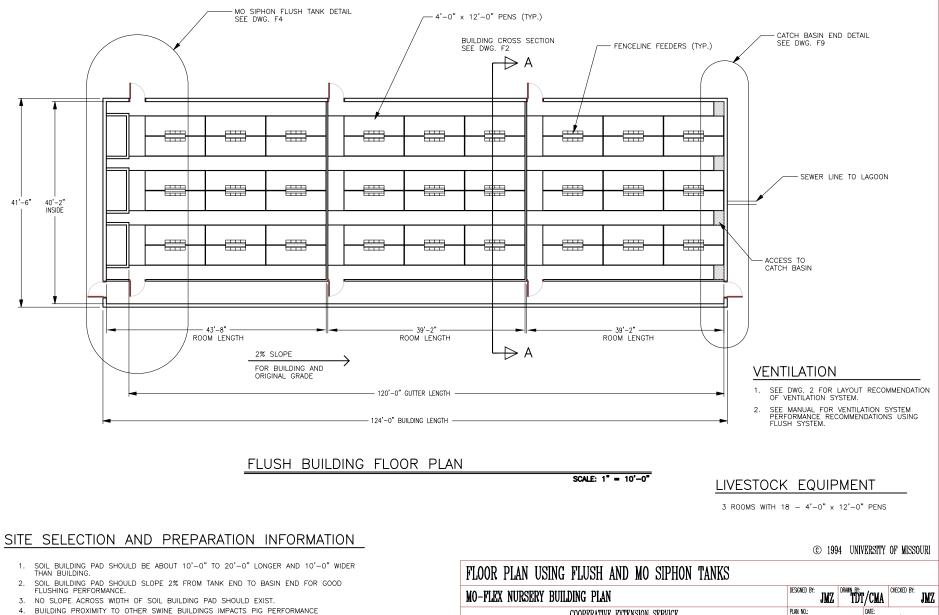
INDEX OF DRAWINGS SHEET NUMBER TITLE SHEET 1 OF 20 1 2 OF 20 2 NURSERY ROOM FLOOR PLAN OPTIONS FLOOR PLAN USING FLUSH AND MO SIPHON TANKS 3 OF 20 F1 FLUSH BUILDING CROSS SECTION 4 OF 20 F2 FLUSH GUTTER CONCRETE CROSS SECTION 5 OF 20 F3 MO SIPHON FLUSH TANK DETAIL 6 OF 20 F4 TANK AND SUMP LONGITUDINAL SECTION (PART 1) 7 OF 20 F5 TANK AND SUMP LONGITUDINAL SECTION (PART 2) 8 OF 20 F6 TANK AND SUMP CROSS SECTION (PART 1) 9 OF 20 F7 TANK AND SUMP CROSS SECTION (PART 2) 10 OF 20 F8 CATCH BASIN END DETAIL 11 OF 20 F9 CATCH BASIN CROSS SECTION 12 OF 20 F10 FLOOR PLAN USING PIT RECHARGE MANURE SYSTEM 13 OF 20 P1 14 OF 20 P2 PIT RECHARGE BUILDING CROSS SECTION PIT RECHARGE CONCRETE CROSS SECTION 15 OF 20 P3 FLOOR PLAN USING HAIRPIN GUTTER LIQUID MANURE SYSTEM 16 OF 20 H1 HAIRPIN GUTTER BUILDING CROSS SECTION 17 OF 20 H2 HAIRPIN GUTTER CONCRETE CROSS SECTION 18 OF 20 H3 19 OF 20 S1 POST FRAME STRUCTURAL DETAILS 20 OF 20 S2 POST FRAME STEEL BRACKET

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MO-FLEX NURSERY BUILDING FLUSH SYSTEM USING MO SIPHON TANKS

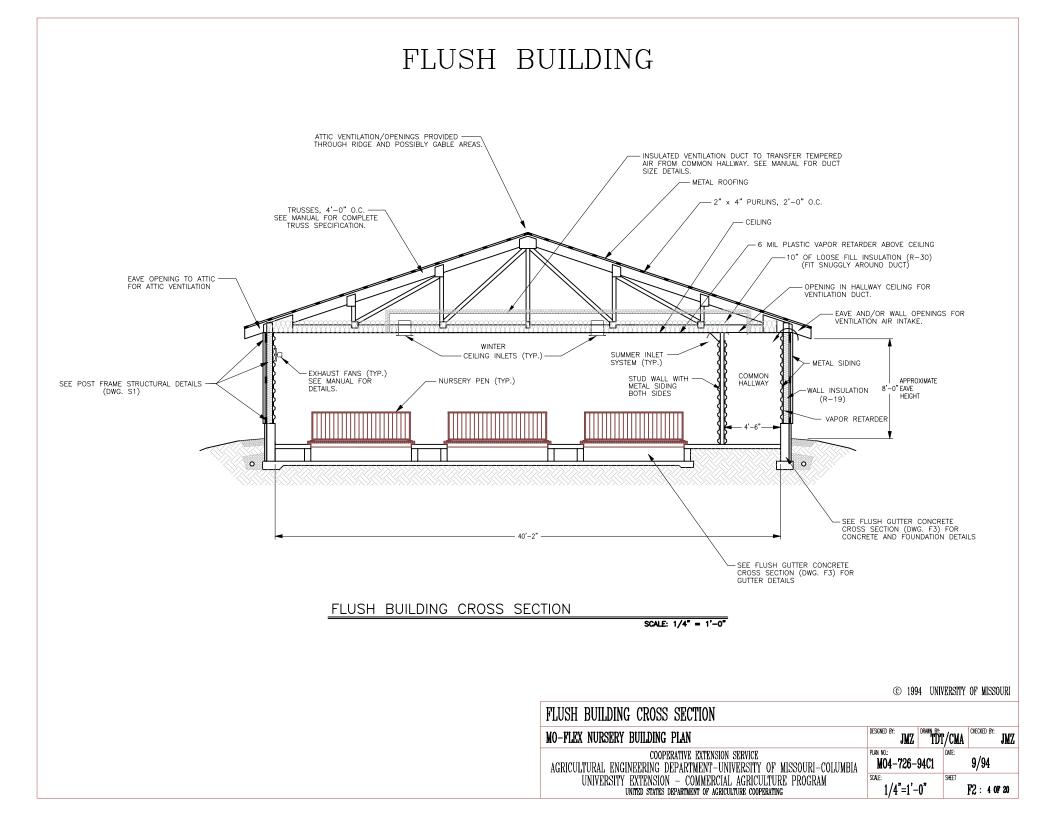
REVIEW ACCOMPANYING MANUAL FOR DISCUSSION ON MODIFYING BUILDING SIZE AND HOW TO INCLUDE MULTIPLE ROOMS



4. BUILDING PROXIMITY TO OTHER SWINE BUILDINGS IMPACTS PIG PERFORMANCE AND SHOULD BE CONSIDERED.

COOL BRATIVE EXTENSION SERVICE					
AGRICULTURAL ENGINEERING DEPARTMENT-UNIVERSITY OF MISSOURI-COLUMBIA					
UNIVERSITY EXTENSION – COMMERCIAL AGRICULTURE PROGRAM					
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING					

designed by: JMZ	drawn by: TDT	'/CMA	CHECKE	D BY: JMZ
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scale: 1"=10'-	·0"	Sheet	F1 :	3 OF 20



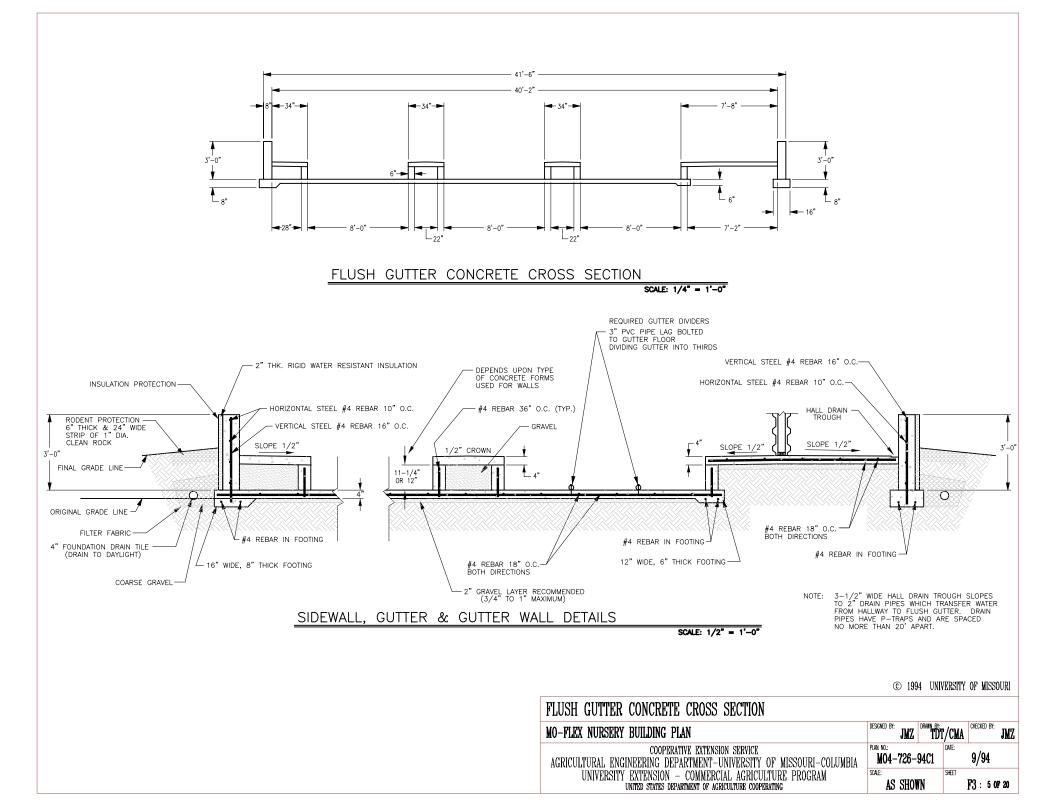
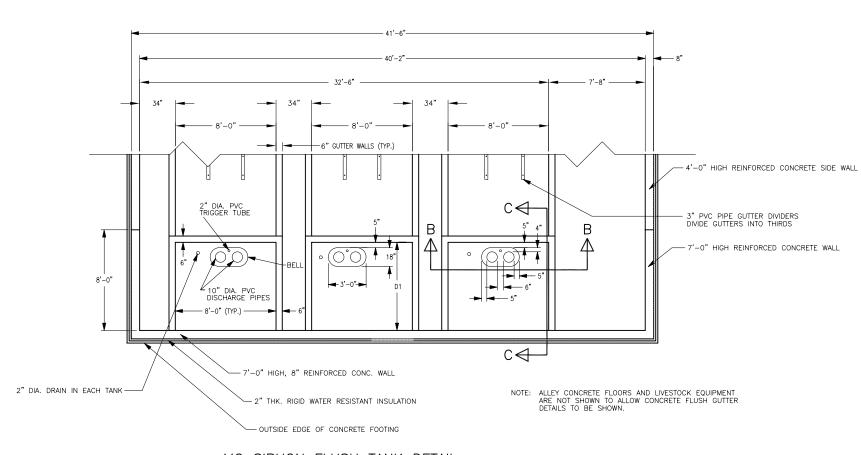
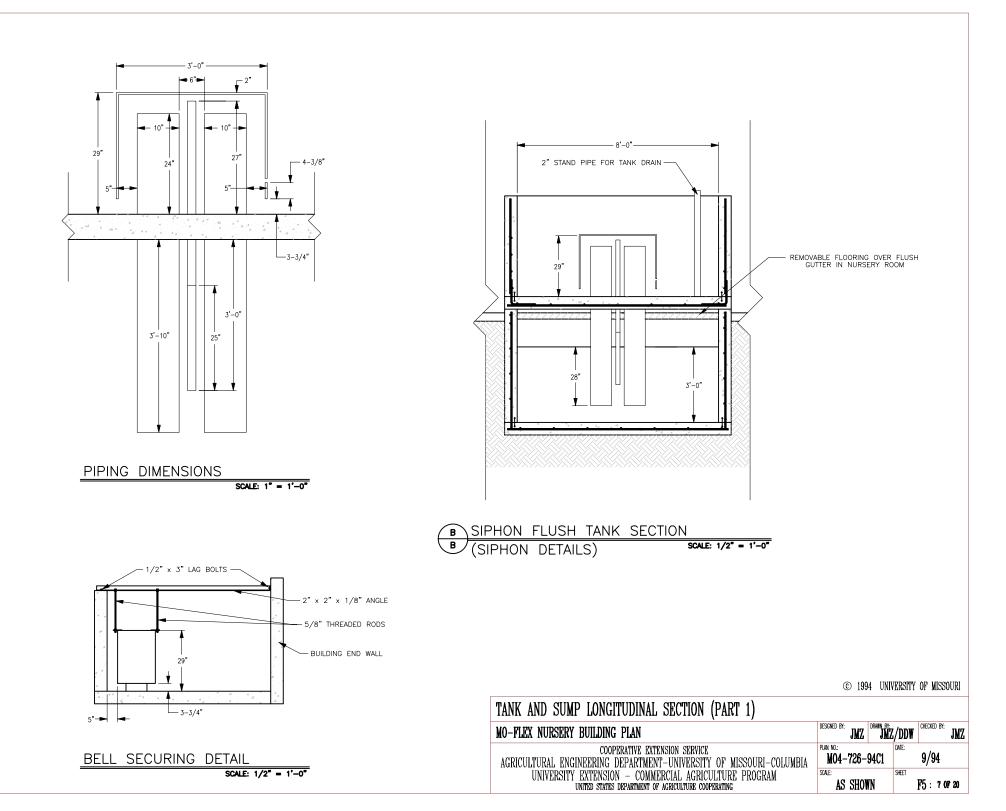
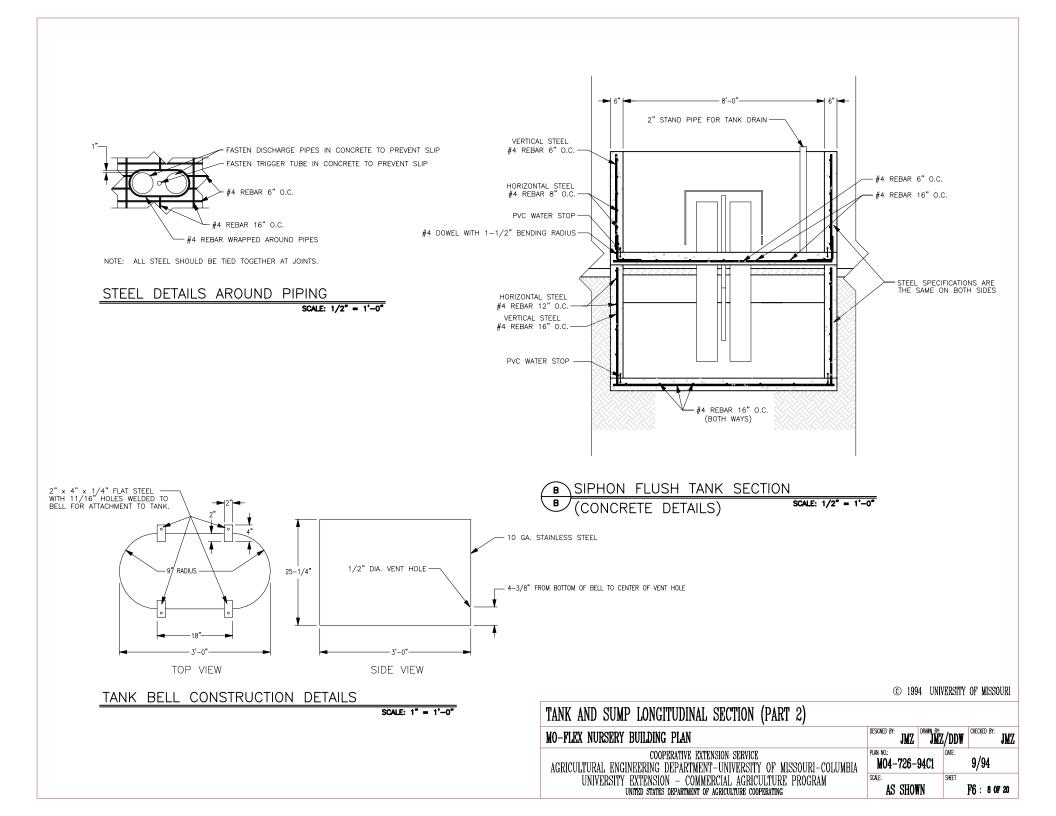


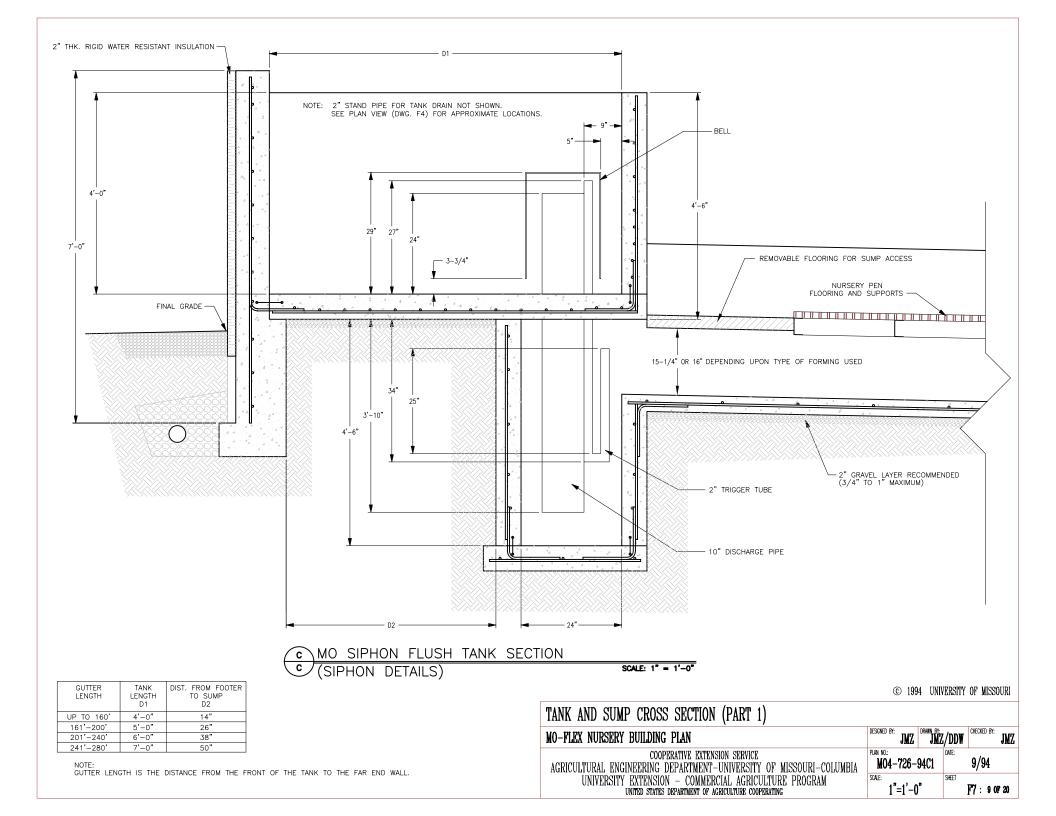
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SOLE: 1/4" = 1'-0" TANK DIST. FROM FOOTER D1 D2 4'-0" 14" 5'-0" 26" 7'-0" 50" (© 1994 UNIVERSITY OF MISSOURI MO SIPHON FLUSH TANK DETAIL MO SIPHON FLUSH TANK DETAIL MO PLEX NURSERY BUILDING PLAN COOPERATIVE EXTENSION SERVICE AGRICULTURAL ENGINEERING DEPARTMENT-UNIVERSITY OF MISSOURI-COLUMBIA MAZ MAZ OCOPERATIVE EXTENSION SERVICE AGRICULTURAL ENGINEERING DEPARTMENT-UNIVERSITY OF MISSOURI-COLUMBIA MAZ MAZ MAZ OCOPERATIVE EXTENSION SERVICE AGRICULTURAL ENGINEERING DEPARTMENT-UNIVERSITY OF MISSOURI-COLUMBIA MAZ MAZ MAZ MAZ MAZ MAZ MAZ MAZ MAZ <	2" THK. 1	RIGID WATER RESISTANT INSULATION	NOTE: ALLEY CONCRETE FLOORS ARE NOT SHOWN TO ALL	AND LIVESTOCK EQUIPMENT W CONCRETE FLUSH GUTTER	
TANK LENGTH D1 DIST. FROM FOOTER TO SUMP D2 4'-0" 14" 5'-0" 26" 6''-0" 38" 7'-0" 50" INVERSITY OF MISSOURI MO SIPHON FLUSH TANK DETAIL MO-PLEX NURSERY BUILDING PLAN RSIND BE JIZ OPCRUP BE JIZ OPCRUP BE JIZ NO-PLEX NURSERY BUILDING PLAN SOUPL COLUMERAL ENGINEERING DEPARTMENT - UNIVERSITY OF MISSOURI-COLUMERAL ACCOUNT - COLUMERAL ACCOUNT ACCOUNT ACCOUNT - COLUMERAL ACCOUNT ACCOUNT ACCOUNT ACCOUNT - COLUMERAL ACCOUNT ACCOUNT ACCOUNT - COLUMERAL ACCOUNT ACCOUNT - COLUMERAL ACCOUNT ACCOUNT ACCOUNT - COLUMERAL ACCOUNT ACCOUN	MO SIPH	ON FLUSH TANK DETAIL			
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6'-0" 38" 7'-0" 50" © 1994 UNIVERSITY OF MISSOURI MO SIPHON FLUSH TANK DETAIL MO-FLEX NURSERY BUILDING PLAN DESORED BF: JMZ OPRIM RF: JMZ COOPERATIVE EXTENSION SERVICE AGRICULTURAL ENGINEERING DEPARTMENT-UNIVERSITY OF MISSOURI-COLUMBIA UNIVERSITY, EXTENSION - COMMERCIAL ACRICULTURE PROCRAM	4'-0" 14"				
7'-0" 50" © 1994 UNIVERSITY OF MISSOURI MO SIPHON FLUSH TANK DETAIL MO-FLEX NURSERY BUILDING PLAN DESORID BF: JMZ DEMIN BF: JMZ DECORD BF: JMZ					
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AGRICULTURAL ENGINEERING DEPARTMENT-UNIVERSITY OF MISSOURI-COLUMBIA UNIVERSITY EXTENSION - COMMERCIAL AGRICULTURE PROCEAM		MO-FLEX NU	IRSERY BUILDING PLAN	designed by:	Z DRAWN BY: JMZ CHECKED BY: JMZ
		AGRICULTUR	AL ENGINEERING DEPARTMENT–UNIVERSITY /ERSITY EXTENSION – COMMERCIAL AGRICU	OF MISSOURI-COLUMBIA	6-94C1 DATE: 9/94 SHEET

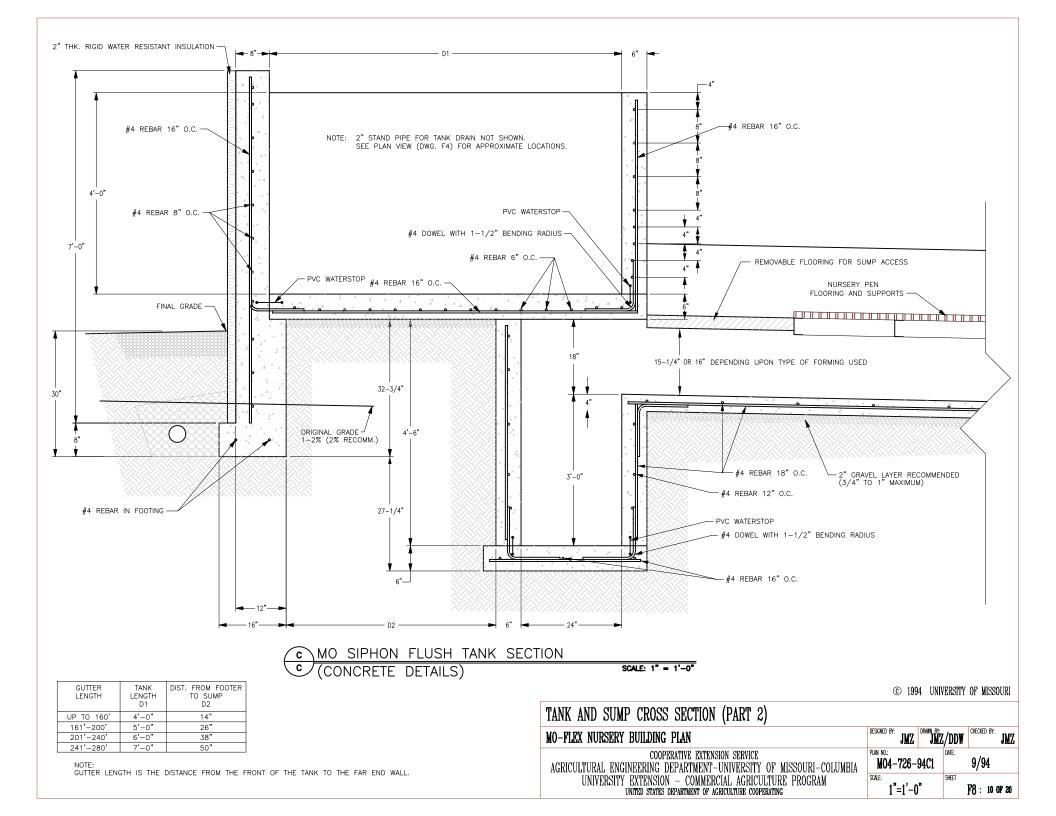


GUTTER LENGTH UP TO 160' 160'-200' 201'-240' 241'-280'







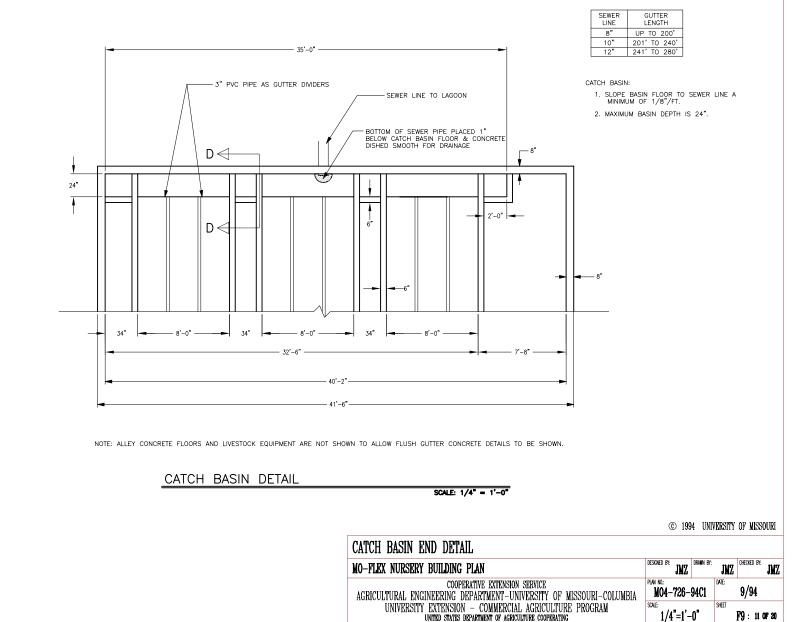


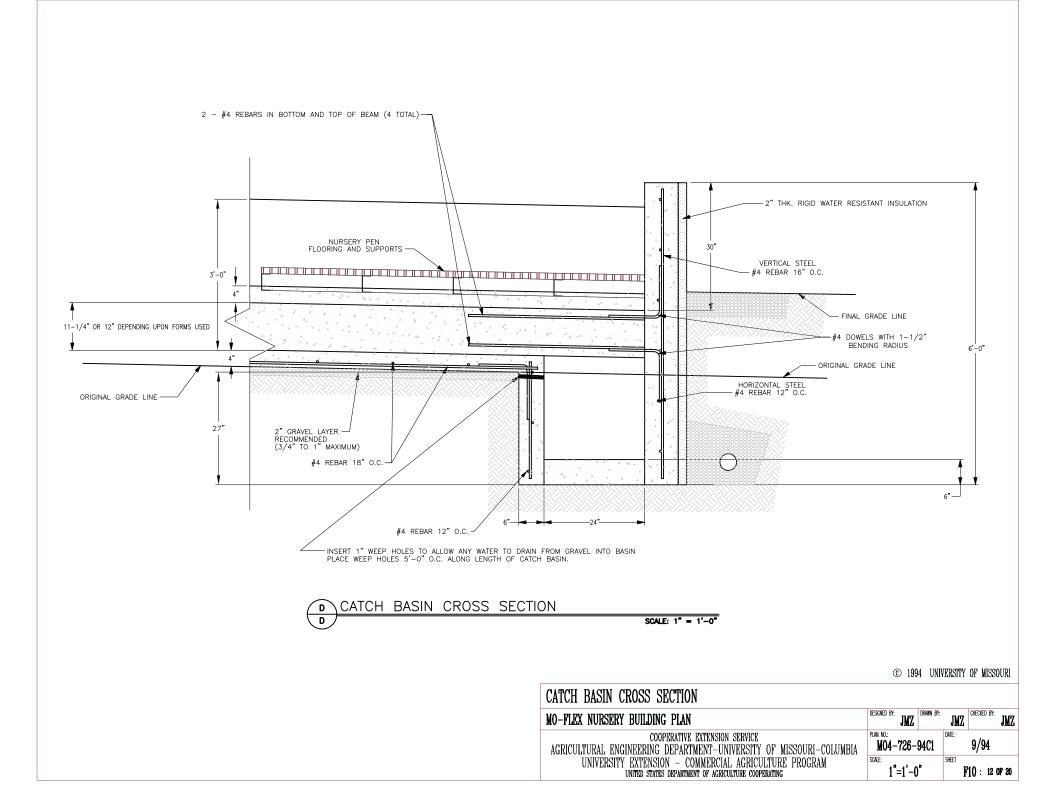
GENERAL NOTES

SEWER INFORMATION:

1. SEWER LINE SLOPE - 2% .

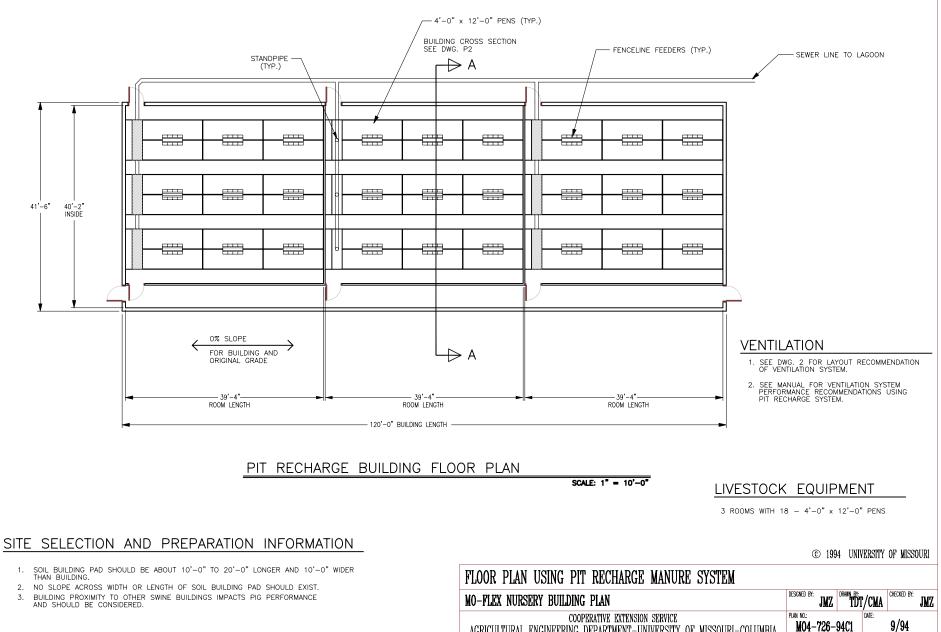
2. SEWER LINE CAN BE LOCATED ANYWHERE IN CATCH BASIN TO SIMPLIFY RETURN TO LAGOON.





MO-FLEX NURSERY BUILDING PIT RECHARGE MANURE SYSTEM

REVIEW ACCOMPANYING MANUAL FOR DISCUSSION ON MODIFYING BUILDING SIZE AND HOW TO INCLUDE MULTIPLE ROOMS



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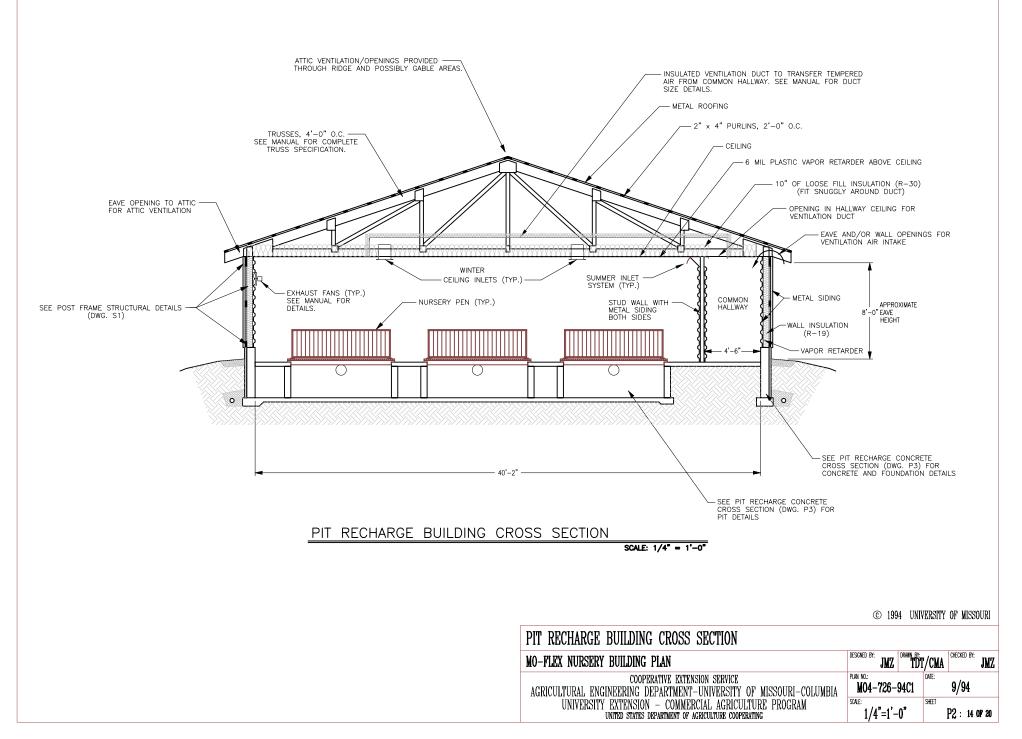
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

SCALE:

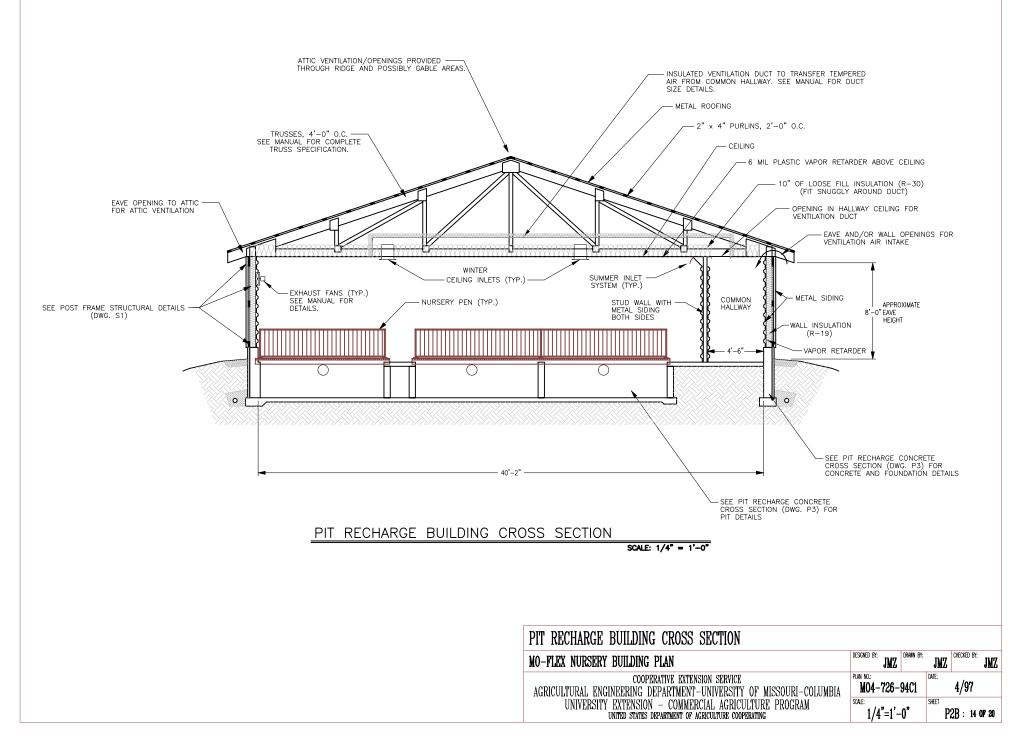
1"=10'-0"

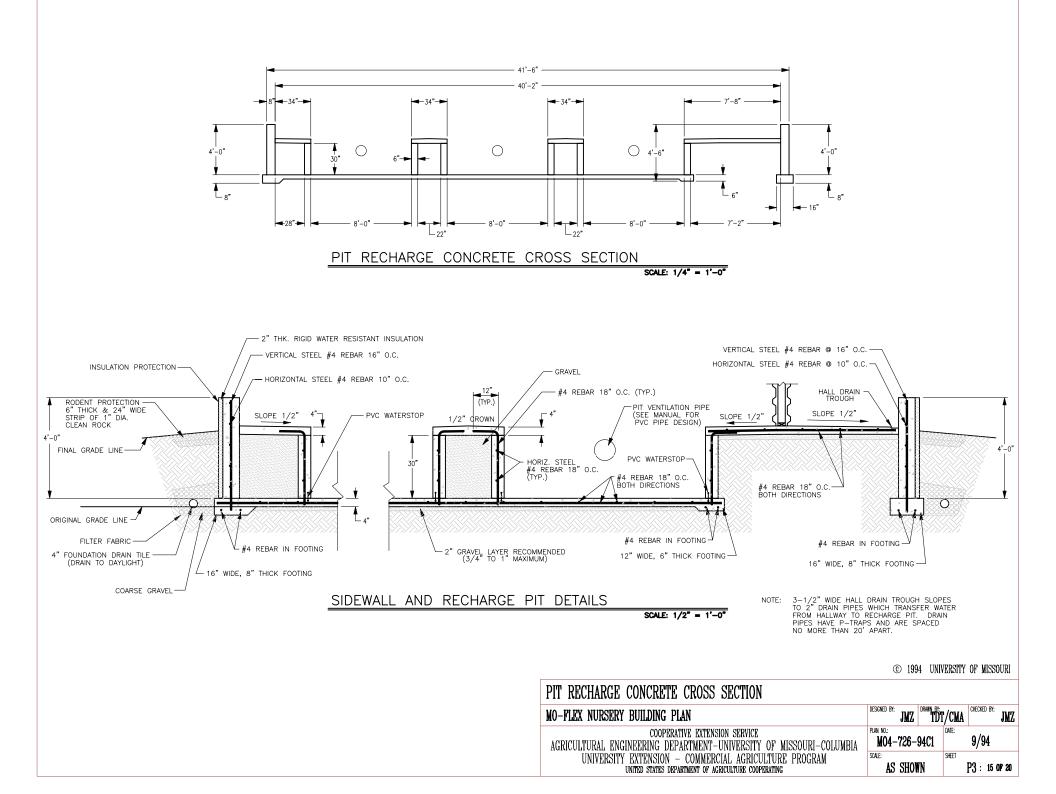
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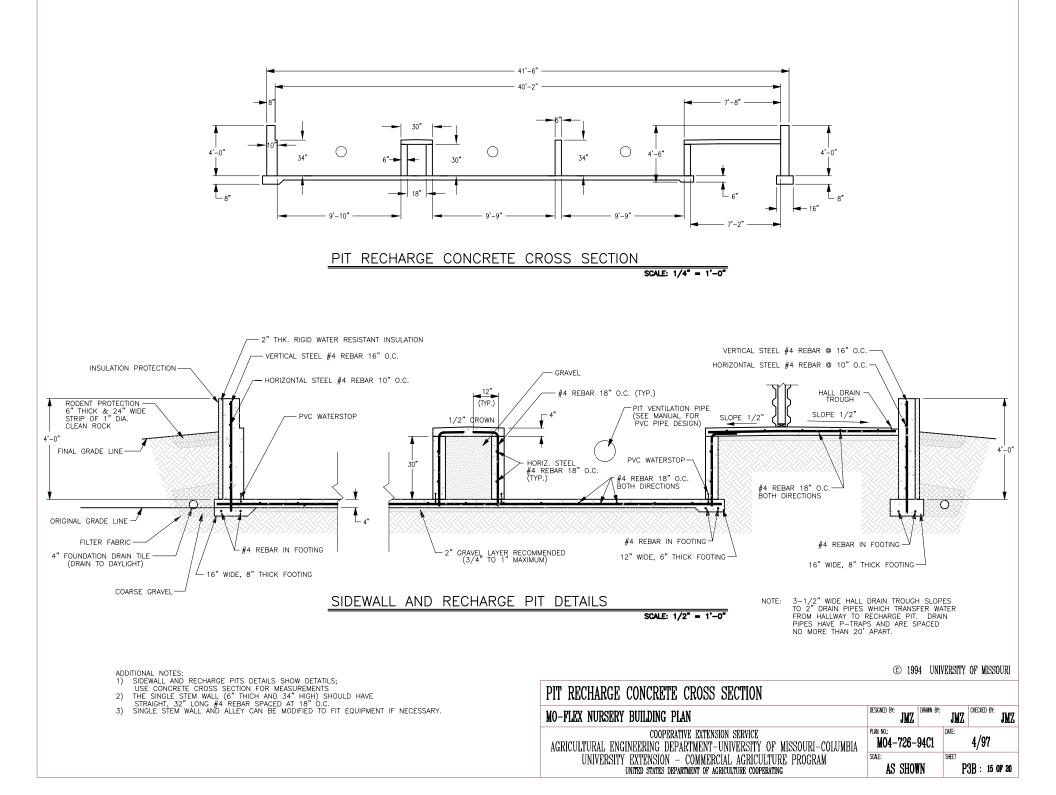
PIT RECHARGE BUILDING



PIT RECHARGE BUILDING

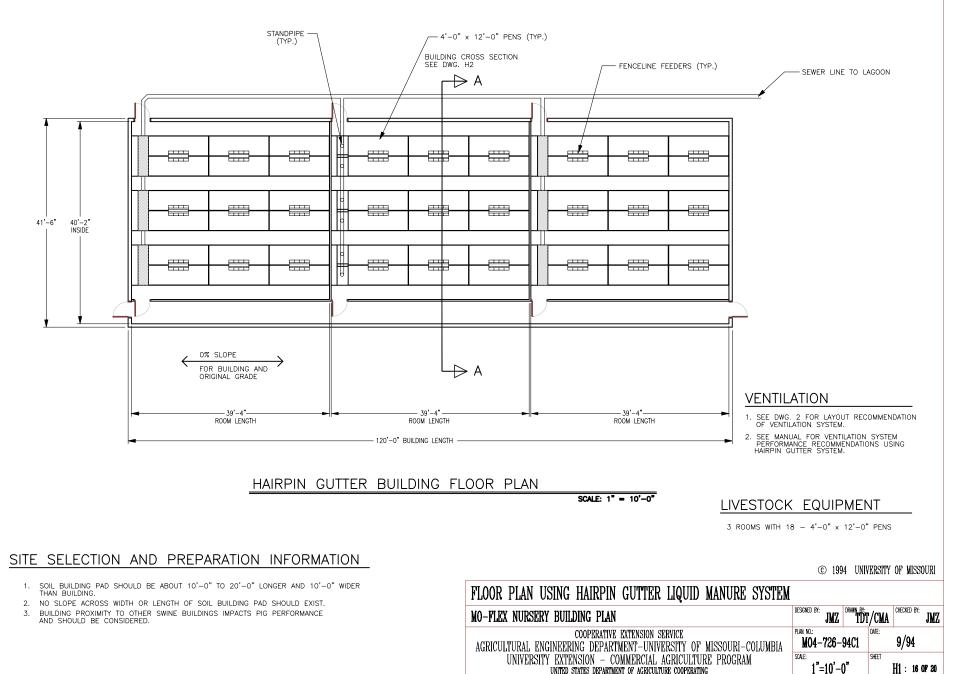






MO-FLEX NURSERY BUILDING HAIRPIN GUTTER MANURE SYSTEM

REVIEW ACCOMPANYING MANUAL FOR DISCUSSION ON MODIFYING BUILDING SIZE AND HOW TO INCLUDE MULTIPLE ROOMS



HAIRPIN GUTTER BUILDING

