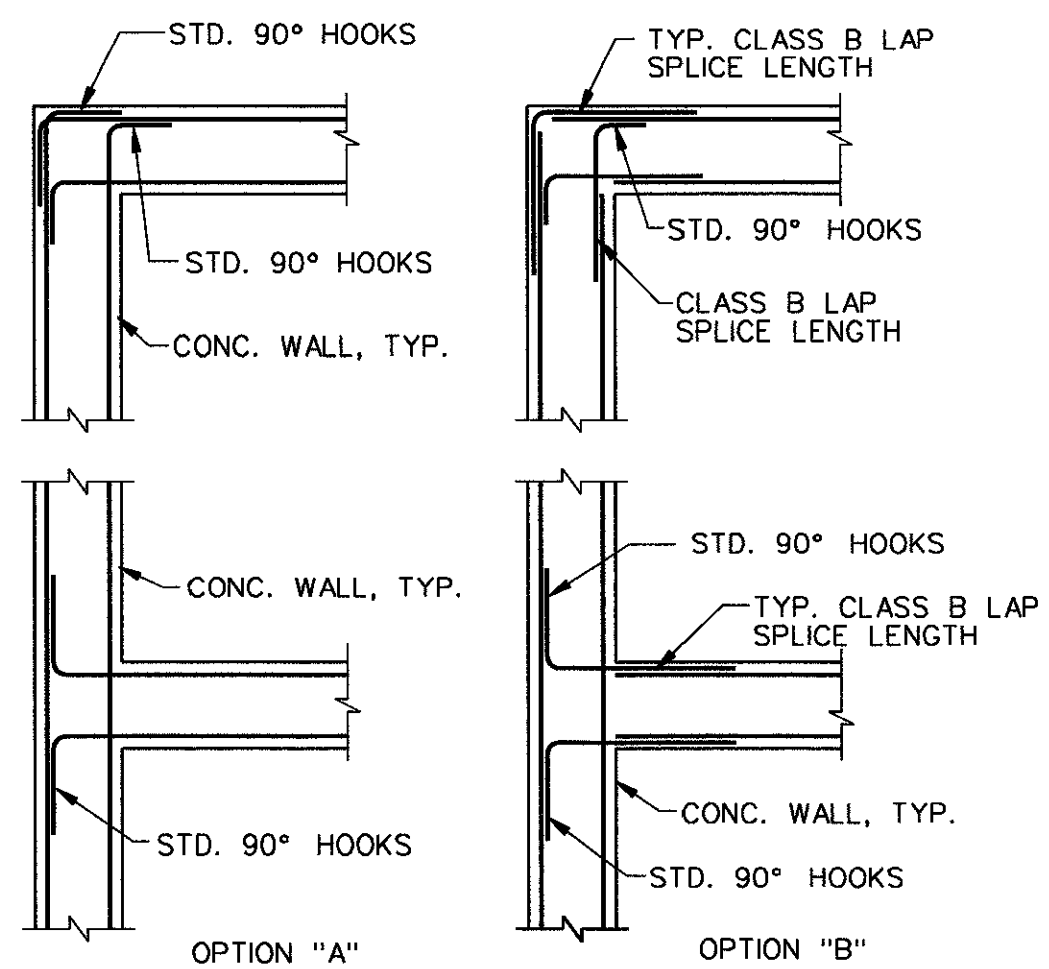
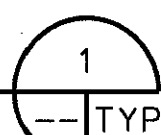


TYPICAL LAP SPLICE LENGTHS IN INCHES, PER ACI 318									
BAR SIZE	LAP CLASS	f'c-3,000 psi		f'c-4,000 psi		f'c-5,000 psi		f'c-6,000 psi	
		CAT.1	CAT.2	CAT.1	CAT.2	CAT.1	CAT.2	CAT.1	CAT.2
*3	A	16	25	14	21	13	19	12	17
	B	21	32	19	28	17	25	15	23
*4	A	22	33	19	28	17	25	15	23
	B	28	43	25	37	22	33	20	30
*5	A	27	41	24	36	21	32	19	29
	B	36	53	31	46	28	41	25	38
*6	A	33	49	28	43	25	38	23	35
	B	43	64	37	55	33	50	30	45
*7	A	48	72	42	62	37	56	34	51
	B	62	93	54	81	48	72	44	66
*8	A	55	82	47	71	42	64	39	58
	B	71	106	61	92	55	83	50	76
*9	A	62	92	53	80	48	72	44	65
	B	80	120	69	104	62	93	57	85

- NOTES:
- FOR GRADE 60 REINFORCING STEEL BARS.
 - ALL LAP SPLICES SHALL BE CLASS B, UNLESS NOTED OTHERWISE.
 - CATEGORY 1: CLEAR COVER > db & CLR. SPACING > db, AND STIRRUPS OR TIES THROUGHOUT Ld ARE PROVIDED.
CATEGORY 2: CLEAR COVER < db OR CLR. SPACING < 2db.
CATEGORY 1: CLEAR COVER > db & CLR. SPACING > 2db.
 - FOR TOP BARS MULTIPLY LAP LENGTH LISTED BY 1.30 TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
 - MODIFY ABOVE VALUES FOR LIGHT-WEIGHT CONCRETE.

LAP SPLICE SCHEDULE

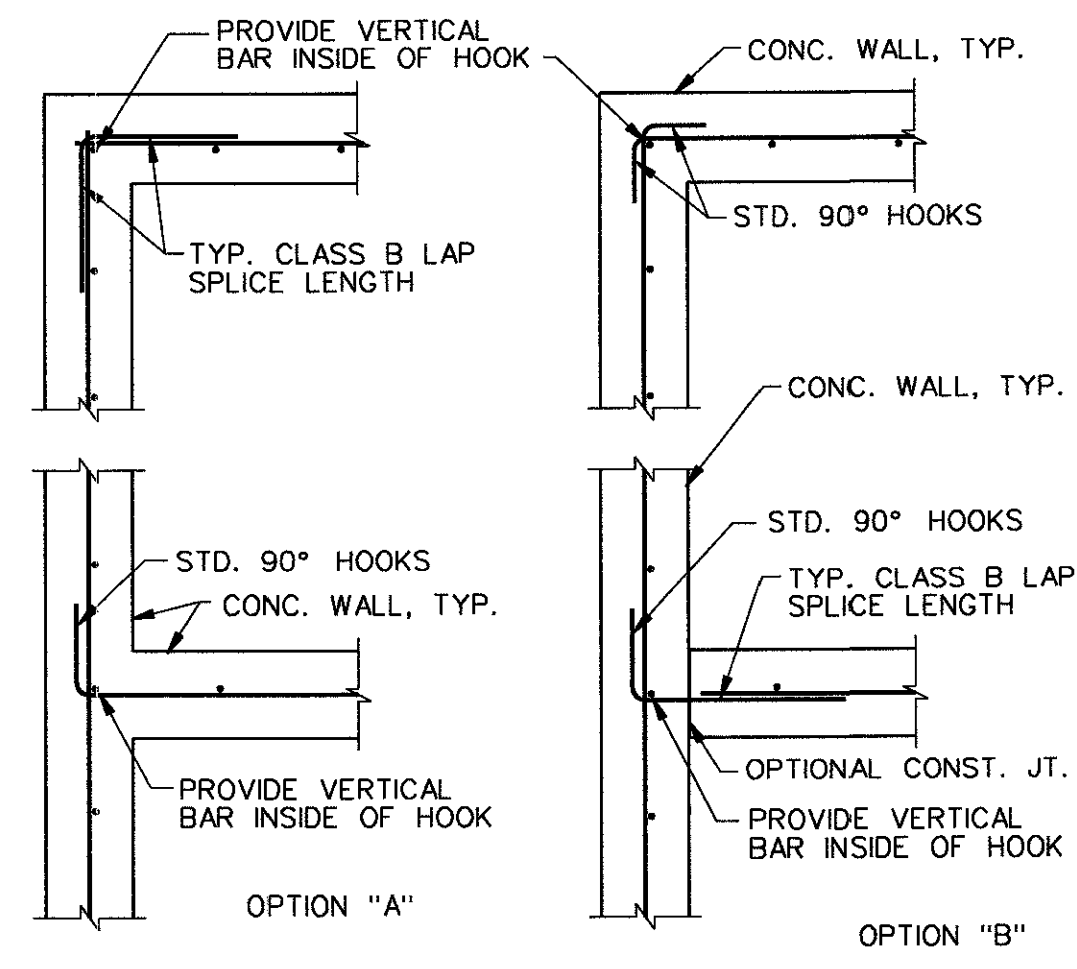
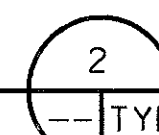
NO SCALE



- NOTES:
- CORNER & INTERSECTION BARS TO MATCH SIZE & SPACING OF HORIZONTAL BARS.
 - REFER TO OTHER DETAILS & GENERAL NOTES FOR BAR CLEARANCE REQUIREMENTS.
 - REFER TO OTHER SECTIONS & DETAILS FOR REQUIRED BAR SIZE AND SPACING.
 - VERTICAL BARS NOT SHOWN FOR CLARITY, REFER TO OTHER DETAILS.

CONC WALL REINF. FOR (2) MATS OF REINF.

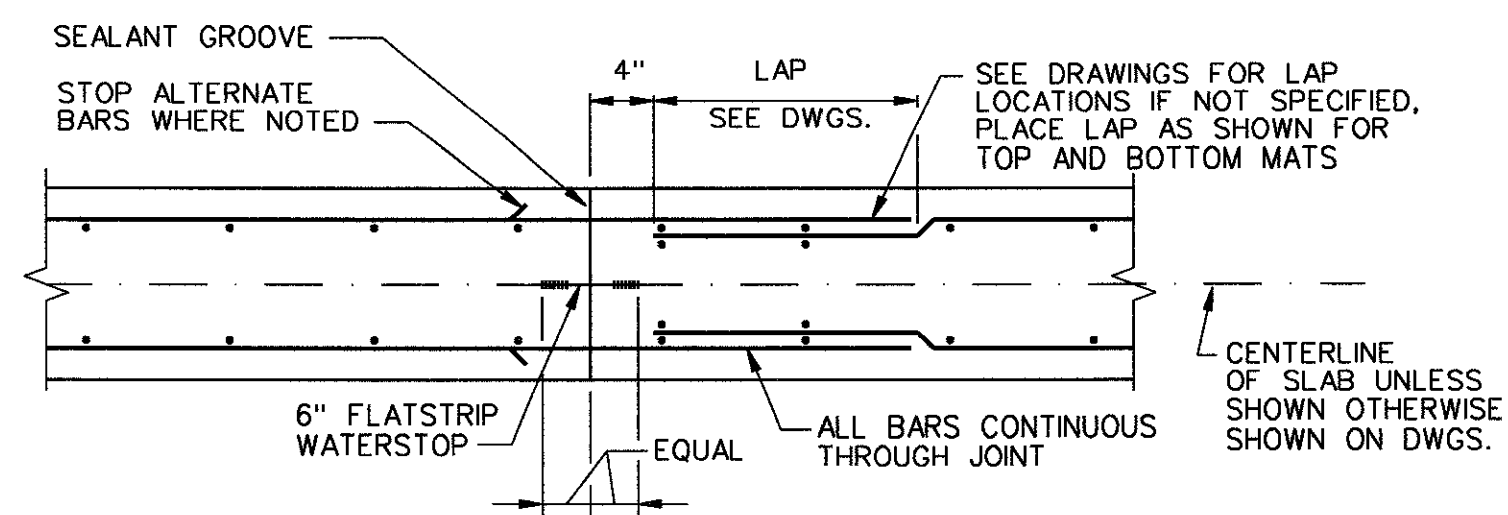
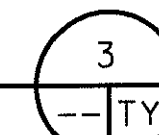
NO SCALE



- NOTE:
- CORNER & INTERSECTION BARS TO MATCH SIZE & SPA. OF HORIZ. BARS. CENTER VERTICAL BARS IN WALL UNLESS NOTED OTHERWISE. REFER TO OTHER DETAILS FOR REQUIRED BAR SIZE AND SPACING.

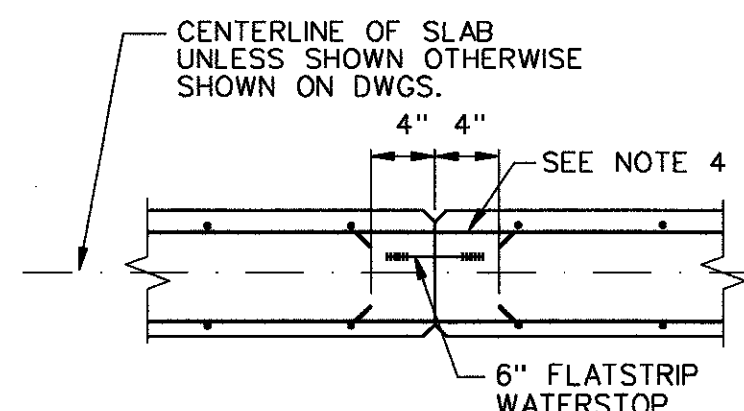
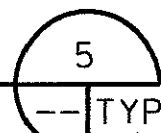
CONC WALL REINF. FOR (1) MAT OF REINF.

NO SCALE



DOUBLE MAT REINF. WITH WATERSTOP/SEALANT GROOVE

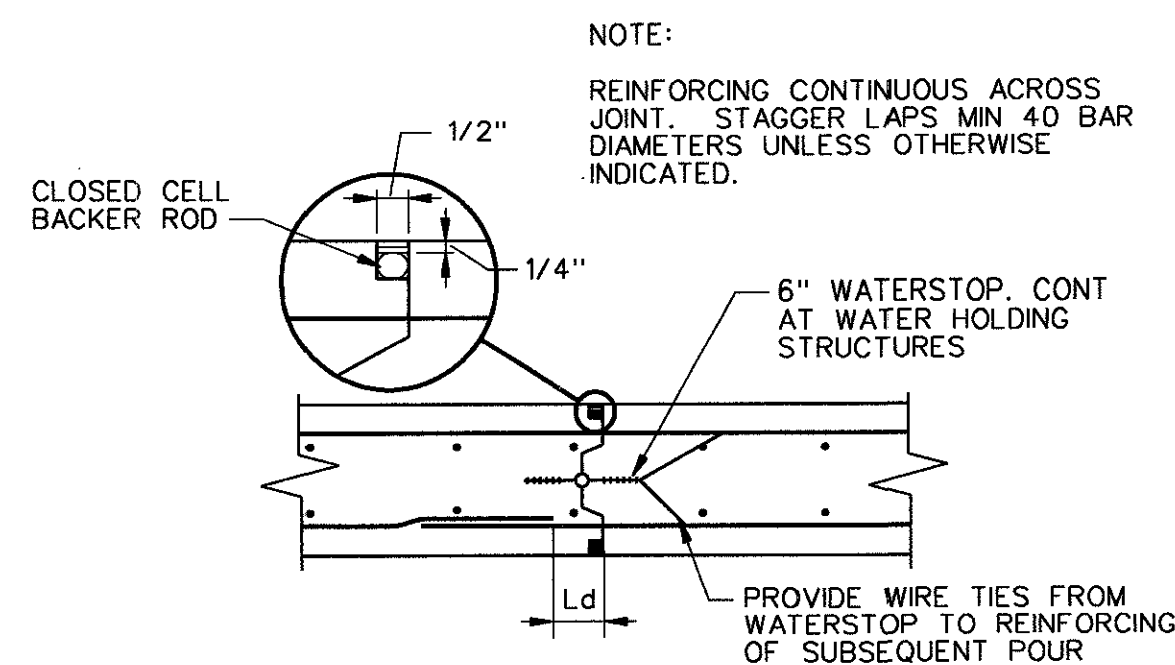
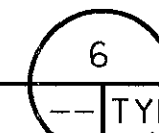
NO SCALE



- NOTES:
- IN ALL WALL CONSTRUCTION JOINTS WITH WATERSTOPS, APPLY 2 COATS OF BOND BREAKER TO FACE OF JOINT AVOID COATING WATERSTOP.
 - WHERE WATERSTOP IS REQUIRED IN SINGLE CURTAIN WALL REINF. PLACE WATERSTOP ON WATER SIDE OF WALL.
 - UNLESS OTHERWISE NOTED, 3/8" CHAMFERS SHALL BE OMITTED IN SURFACES TO RECEIVE ARCHITECTURAL TREATMENT.
 - UNLESS SPECIFICALLY NOTED OTHERWISE, #5 AND LARGER BARS SHALL BE CONTINUOUS THRU JOINT. #4 AND SMALLER BAR SHALL STOP ALTERNATE AT JOINT.
 - STAGGER SPLICES UNLESS NOTED OTHERWISE.

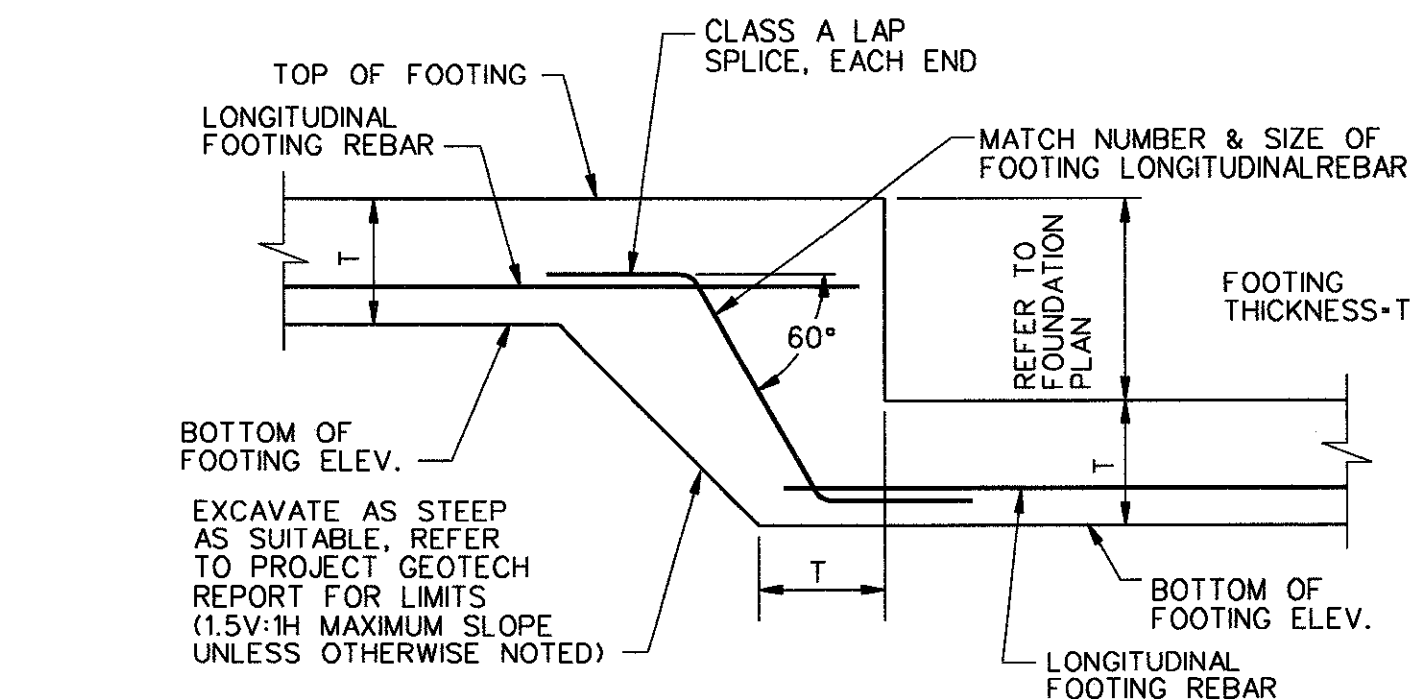
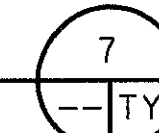
DOUBLE MAT REINF. WITH WATERSTOP

NO SCALE



CONSTRUCTION JOINT AT SLAB WALL

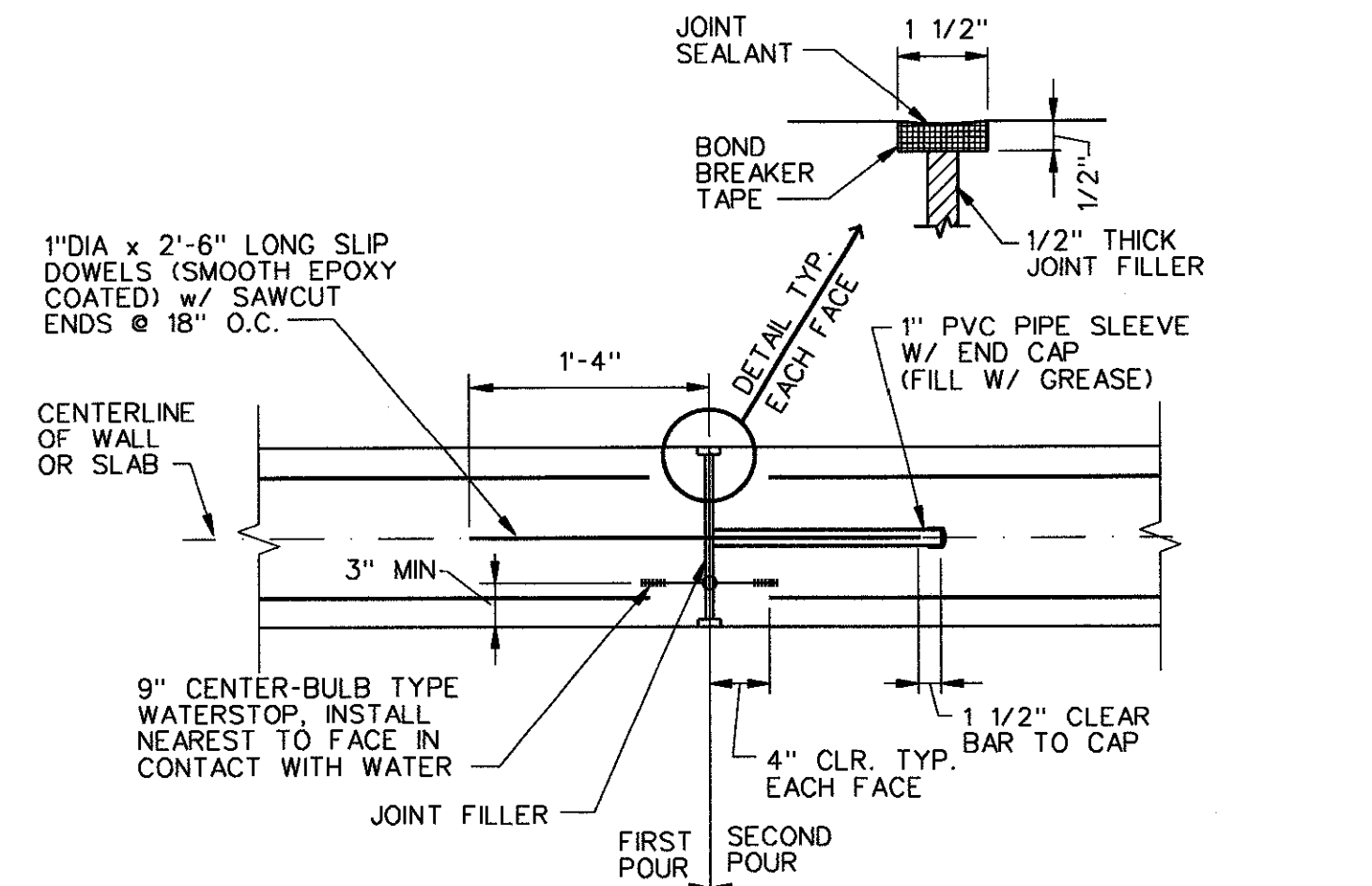
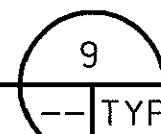
NO SCALE



- NOTES:
- REFER TO FOUNDATION PLANS FOR LOCATION & ELEVATIONS.
 - REFER TO OTHER DETAILS FOR FOOTING REINFORCING
 - FOOTING TRANSVERSE REIN. NOT SHOWN FOR CLARITY

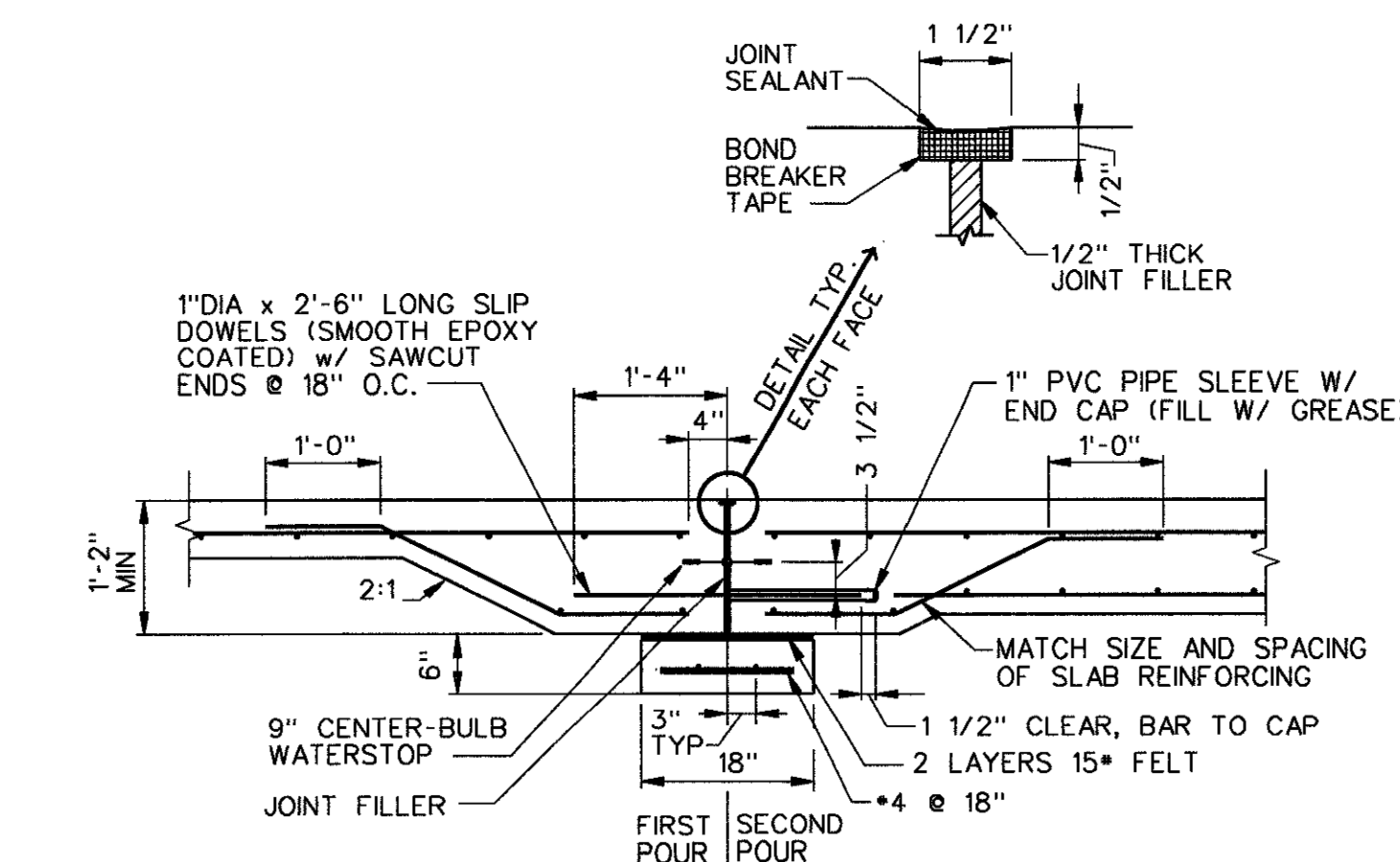
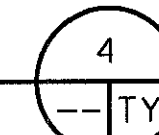
TYPICAL WALL FOOTING DETAIL

NO SCALE



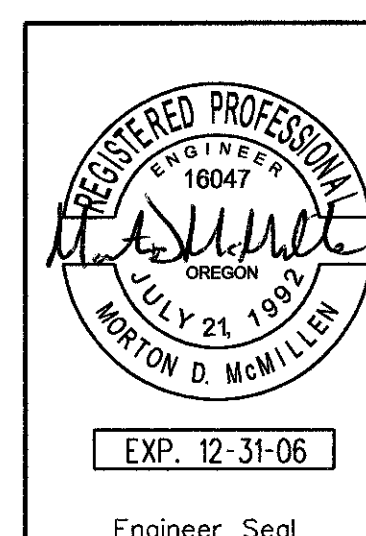
WALL EXPANSION JOINT

NO SCALE

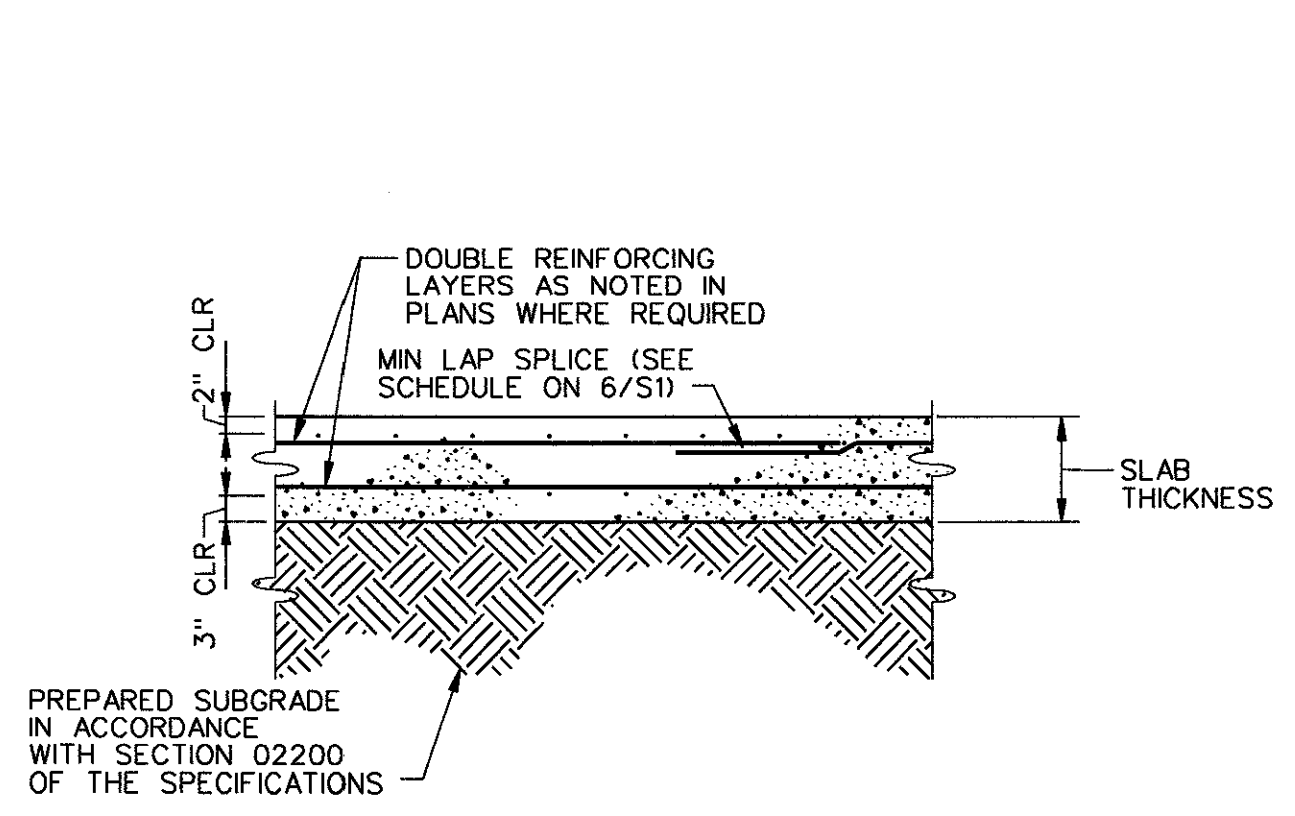


SLAB ON GRADE EXPANSION JOINT

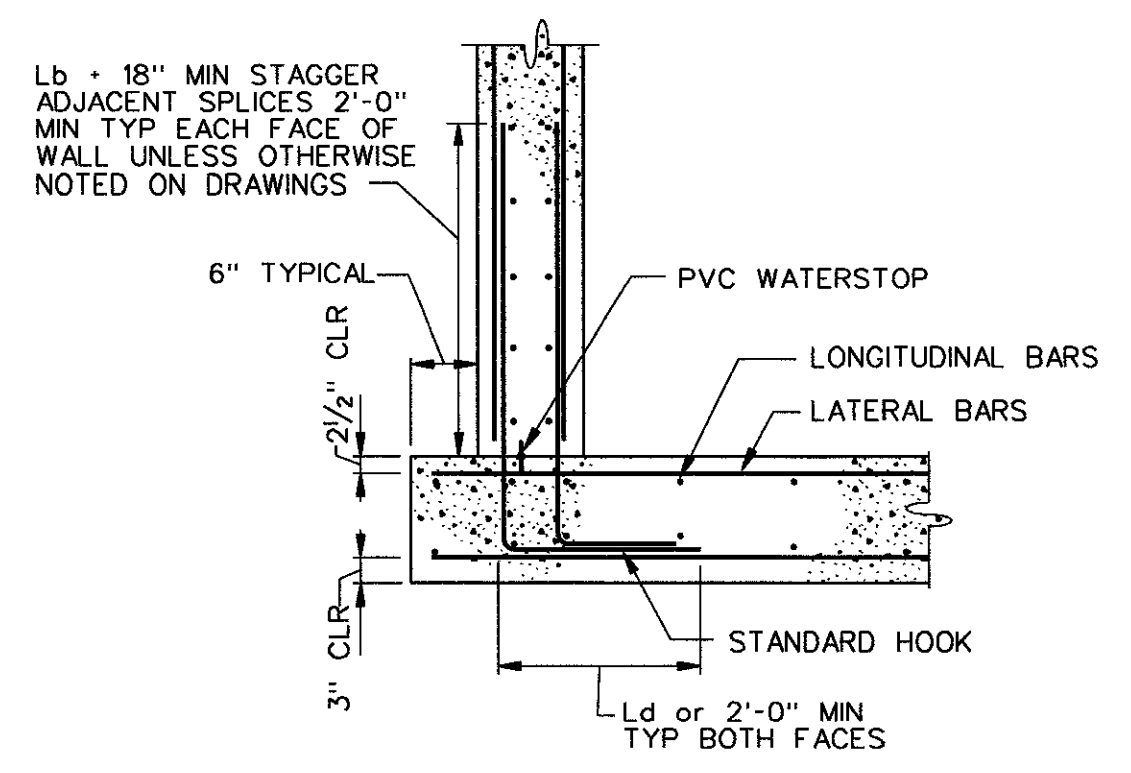
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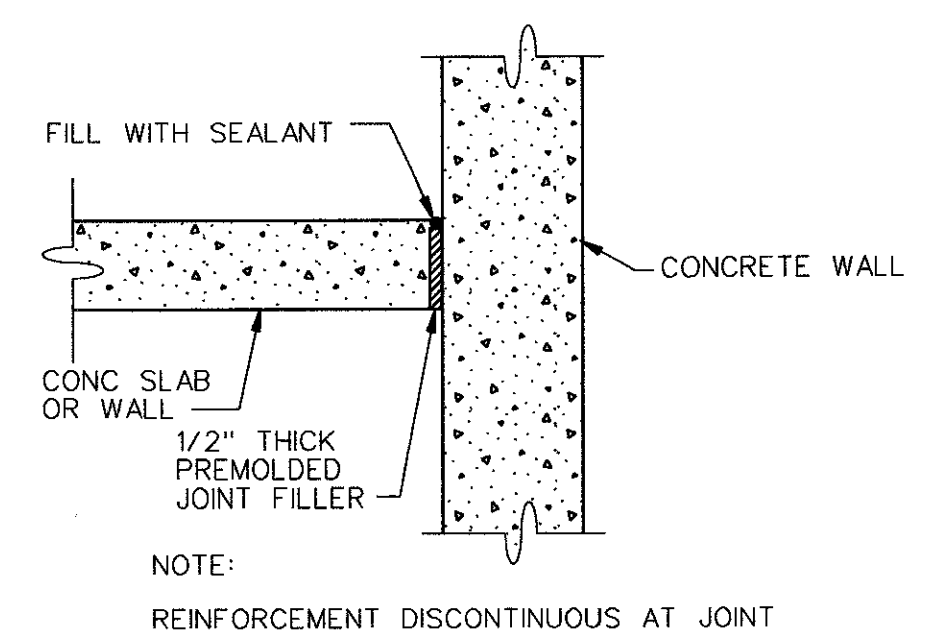
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UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON							
NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY							
GENERAL STRUCTURAL DETAILS 1							
Design	LKP						
Drawn	ACB						
Chkd							
Sub							
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Date							
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION			
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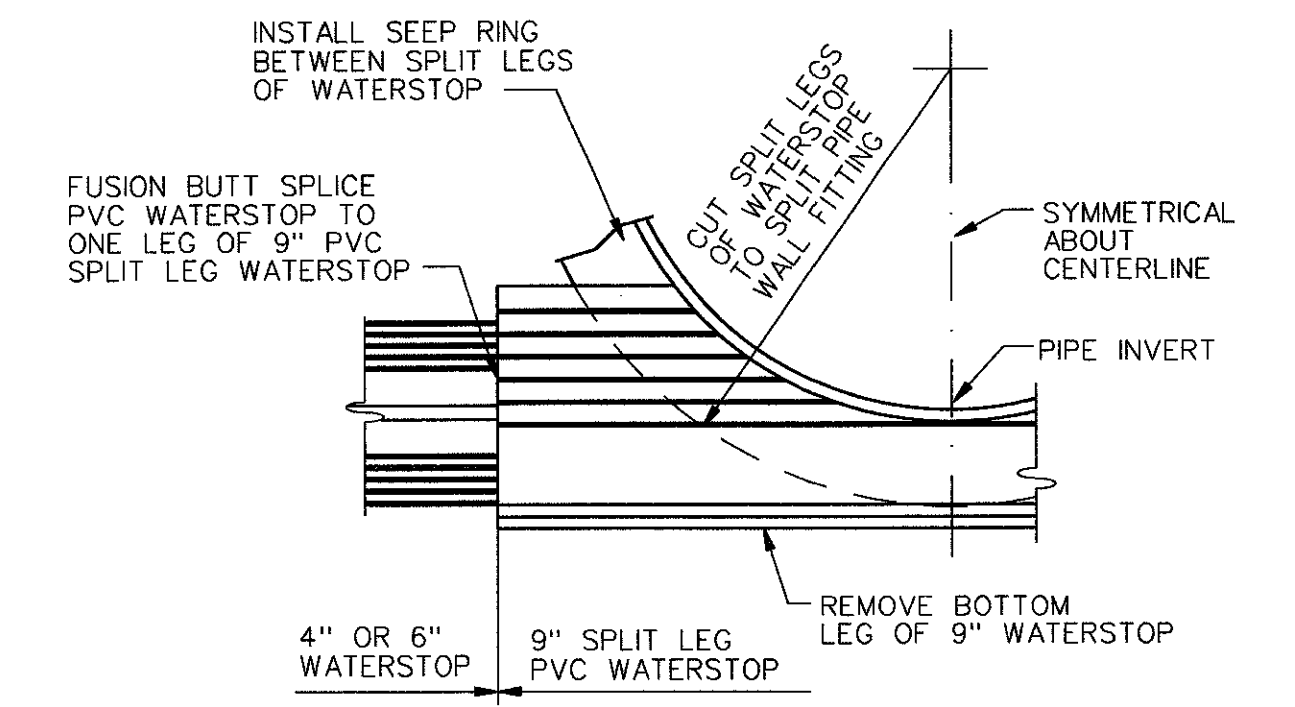
BASE SLAB CONSTRUCTION 1
NO SCALE



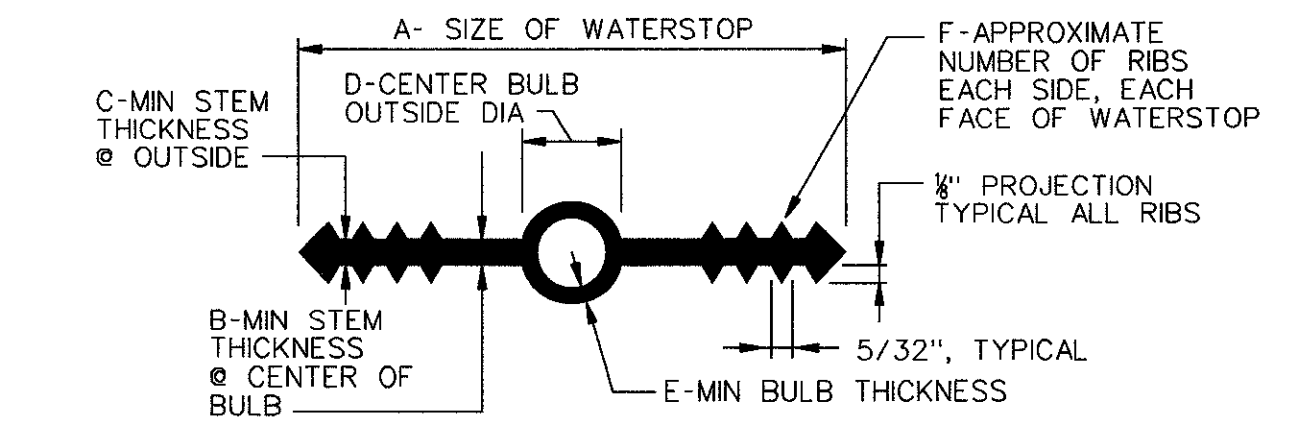
EXTERIOR WALL BASE CONSTRUCTION JOINT 2
NO SCALE



ISOLATION JOINT DETAIL 3
NO SCALE



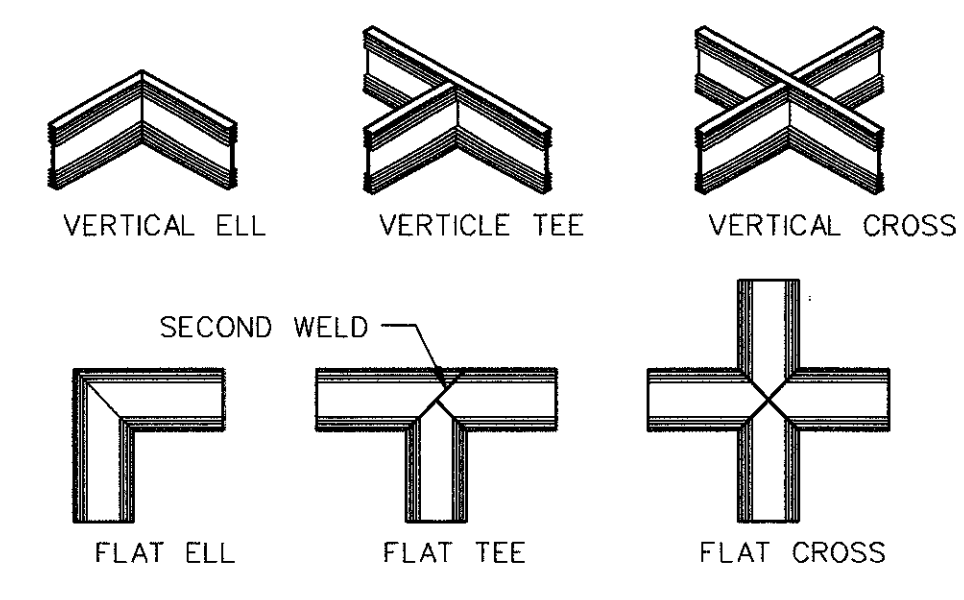
WATERSTOP AT PIPE DETAIL 4
NO SCALE



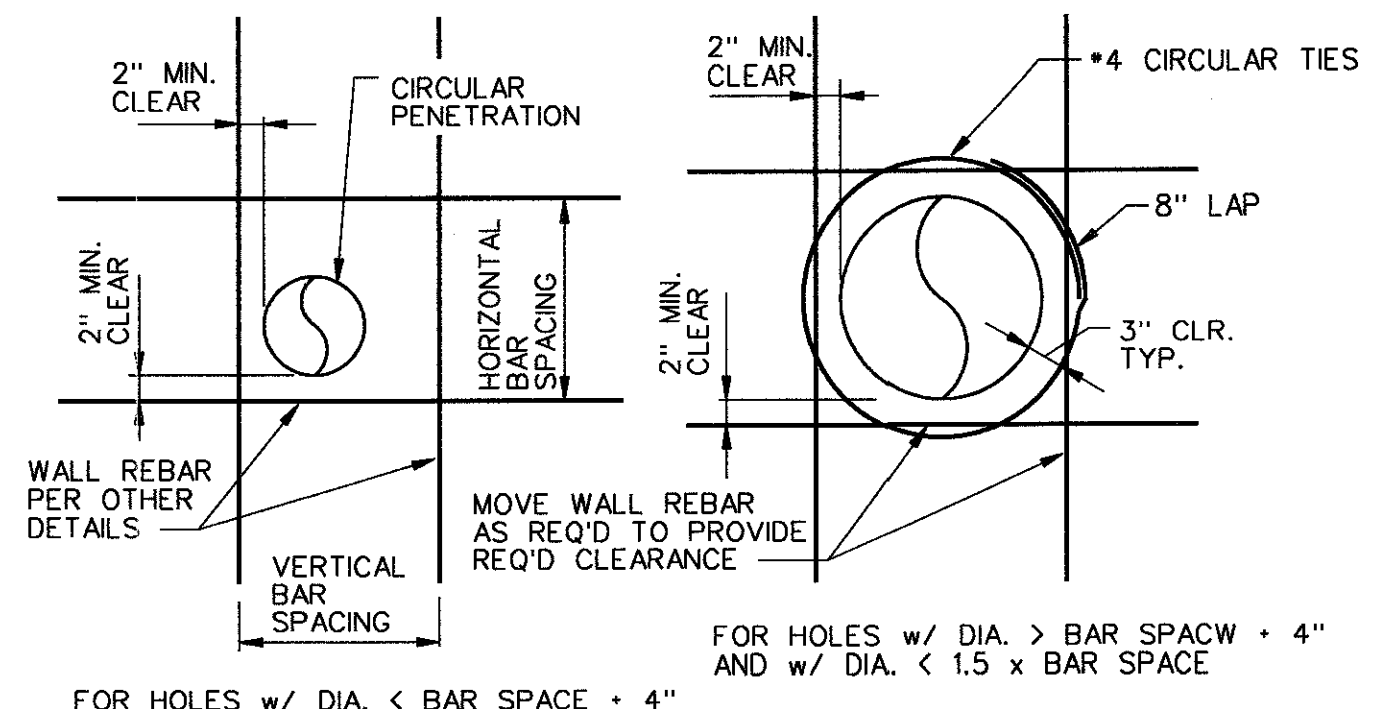
SIZE	A	B	C	D	E	F
4"x 3/16"	4"	3/16"	3/16"	3/4"	1/4"	4
6"x 3/8"	6"	3/8"	3/8"	7/8"	1/4"	6
9"x 3/8"	9"	3/8"	3/8"	1"	1/4"	8

- NOTES:
- MATERIAL QUALITY PER SPECIFICATIONS.
 - DIMENSION REQUIREMENTS INDICATED SHOULD BE GIVEN TO SUPPLIERS PRIOR TO PLACING ORDERS.
 - NON-ROUND CENTER BULBS SHALL HAVE A MINIMUM OUTSIDE DIMENSION OF "D".

PVC WATERSTOP DETAIL 5
NO SCALE

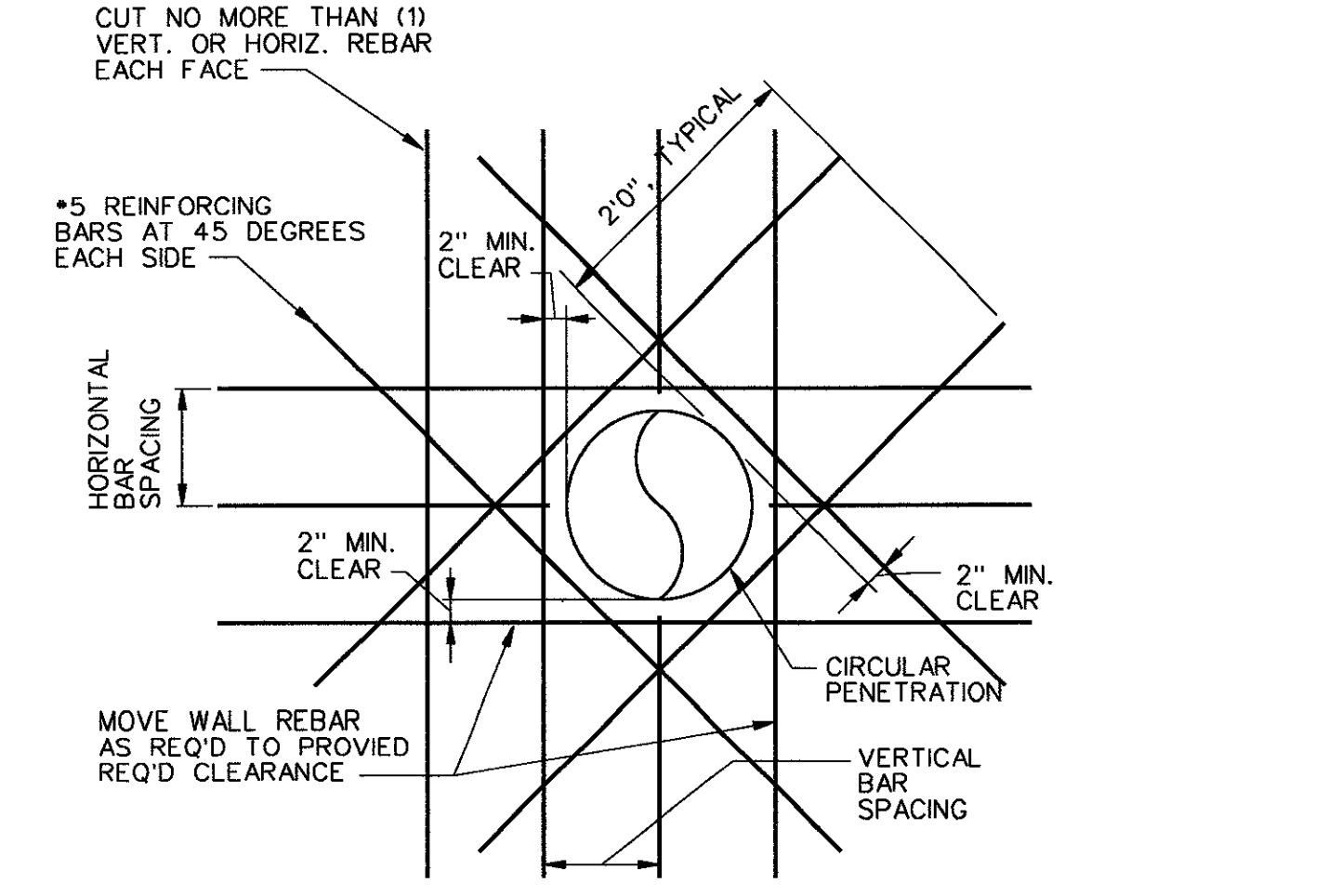


PREFABRICATED WATERSTOP JOINTS 6
NO SCALE



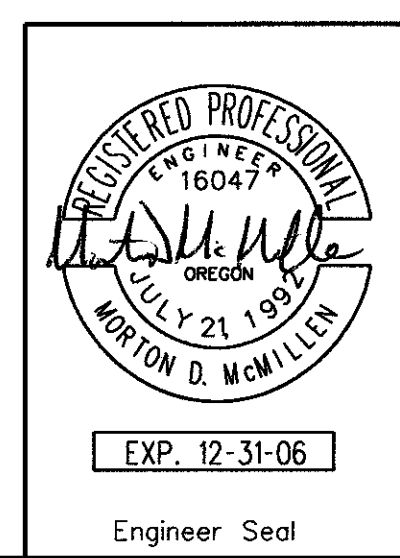
- NOTES:
- NO SPECIAL REINFORCEMENT IS REQUIRED AROUND THE PENETRATION.
- PROVIDE (1) CIRCULAR TIE FOR WALLS w/ ONE MAT OF REBAR & (2) TIES FOR WALLS w/ TWO MATS OF REBAR
- REFER TO GENERAL NOTES FOR REBAR CLEARANCE REQUIREMENTS. REFER TO OTHER DETAILS FOR REBAR SIZE AND SPACING. BAR SPACING REFERS TO THE LESSER OF THE VERT. OR HORIZ. BAR SPACING. DETAIL IS SIMILAR FOR SLAB LOCATIONS.

ROUND CONCRETE WALL/SLAB HOLE PENETRATION DETAIL 7
NO SCALE



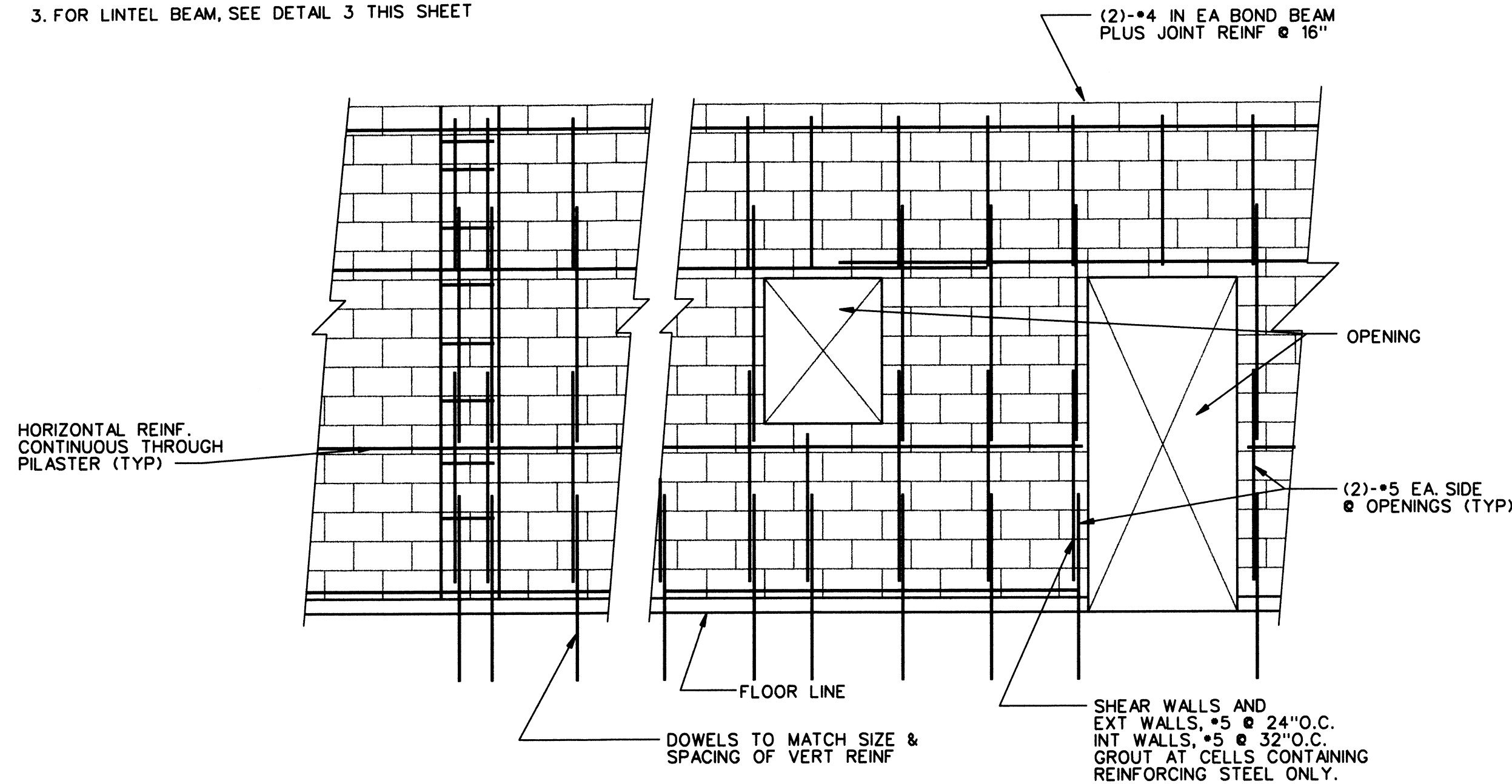
- FOR HOLES w/ DIA. > 1.5 x BAR SPACE
- NOTE: PROVIDE (4) REINFORCING BARS FOR WALLS w/ ONE MAT OF REBAR & (4) REINFORCING BARS EA. FACE FOR WALLS w/ TWO MATS OF REBAR.
- REFER TO GENERAL NOTES FOR REBAR CLEARANCE REQUIREMENTS. REFER TO OTHER DETAILS FOR REBAR SIZE AND SPACING REQUIREMENTS.
- BAR SPACING REFERS TO THE LESSER OF THE VERT. OR HORIZ. BAR SPACING. DETAIL IS SIMILAR FOR SLAB LOCATIONS.

4/10/2006 9:55:42 AM 0:1' / IN. NEQH-FULL-SIZE.tbl

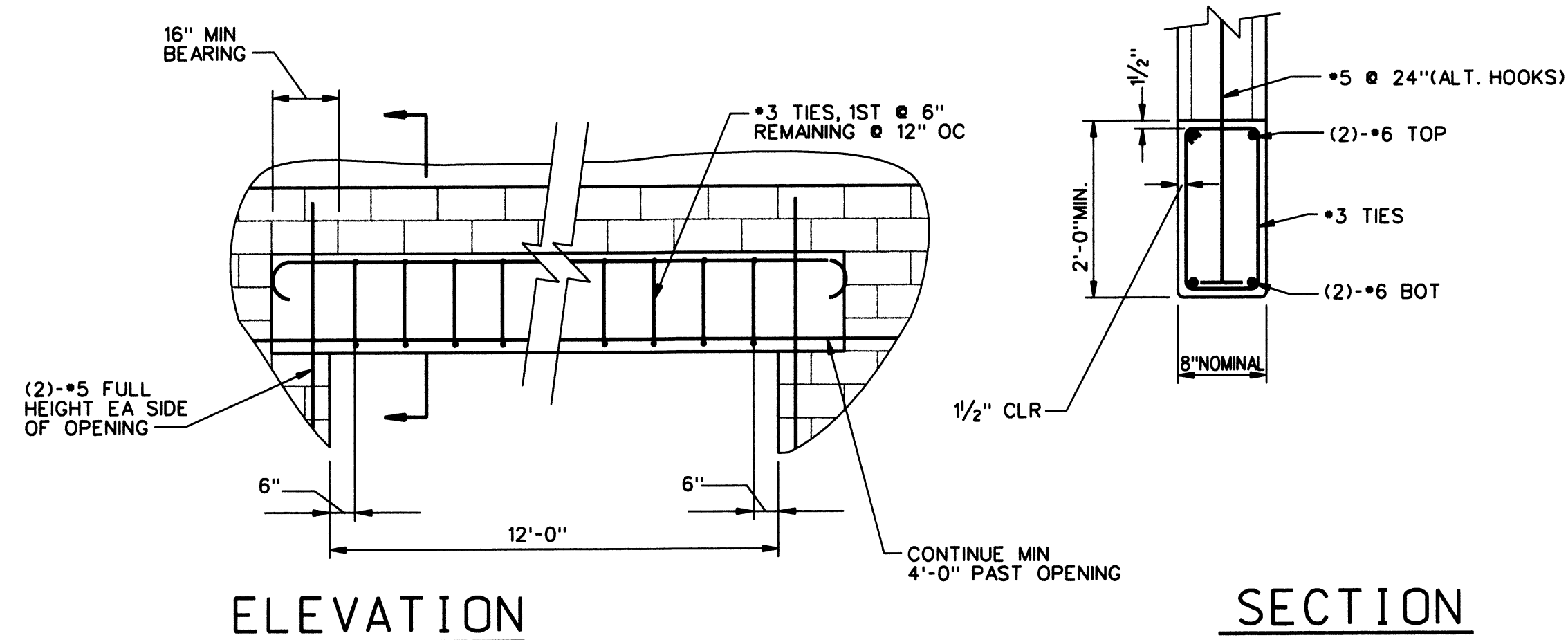


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Drawn	ACB	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY			
GENERAL STRUCTURAL DETAILS 2					
Chkd		SERIAL	SOURCE	SHEET NO.	SHEET
Sub				GS2	OF
Rec					REVISION
Appr					
Dote					

- NOTES:
- LAY CMU IN 48" MAX LIFTS. FILL ALL CELLS AND BOND BEAMS CONTAINING REINF WITH GROUT AS SPECIFIED.
 - MAX SPACING OF HORIZ BOND BEAM COURSES @ 48" WITH ONE AND @ TOP OF WALL COURSE @ TOP OF DOOR & WINDOW.
 - FOR LINTEL BEAM, SEE DETAIL 3 THIS SHEET



CMU REINF. IN ELEVATION 1
NO SCALE TYP GS3



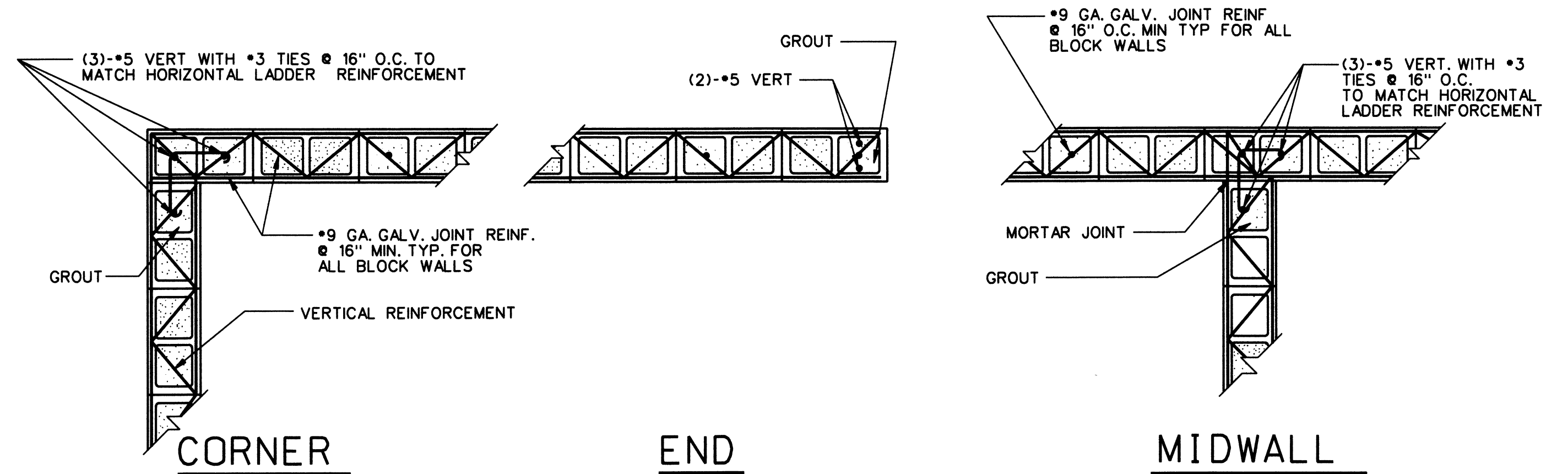
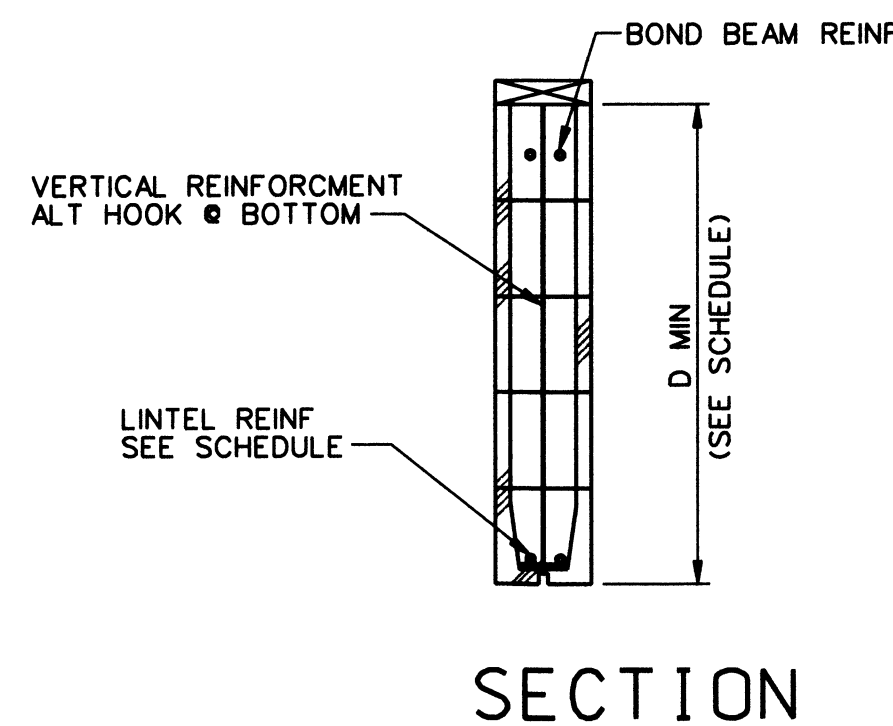
SPECIAL LINTEL BEAM 4
NO SCALE TYP GS3

LINTEL REINFORCEMENT SCHEDULE

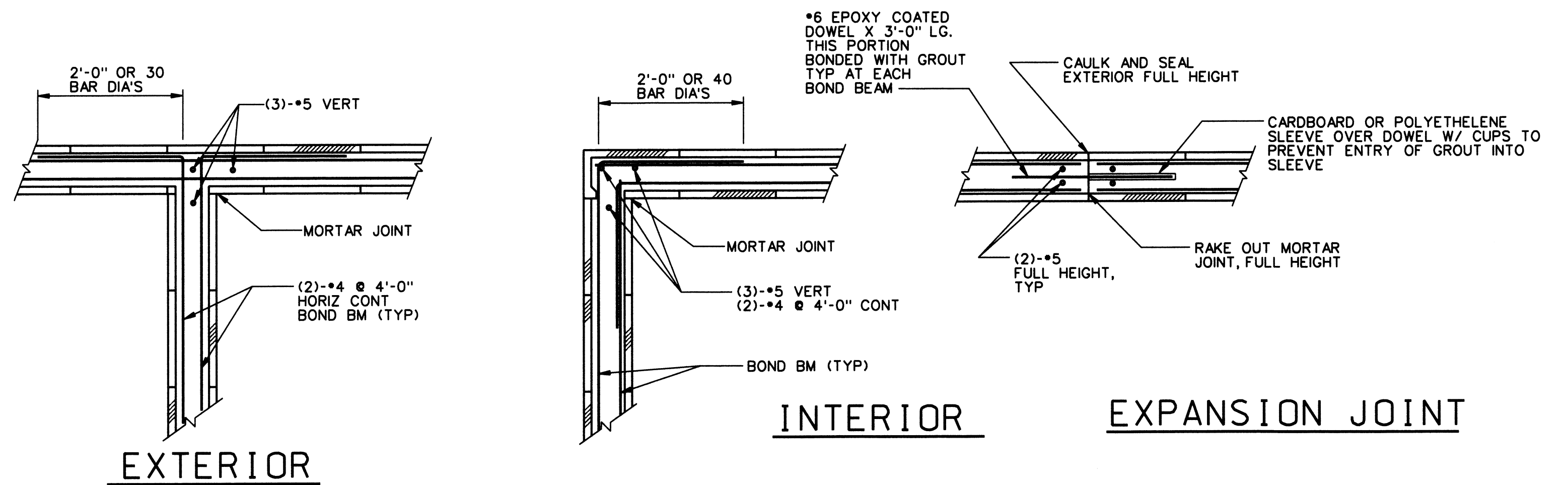
WALL	CLEAR SPAN	MIN. DEPTH(D)	HORIZ REINF	VERT. REINF
8"	4'-0" MAX	40"	2-#4 BOT	---
8"	4'-6" TO 6'-4"	40"	2-#4 BOT	#3 @ 16"
8"	6'-6" TO 8'-0"	40"	2-#4 BOT	#3 @ 8"

SCHEDULE APPLIES FOR LINTEL REINFORCING NOT SPECIFIED ELSEWHERE. MINIMUM BEARING OF 8" FOR OPENINGS LESS THAN 6'-0"; AND 1'-4" FOR WIDER OPENINGS. FOR OPENINGS 6'-0" & LARGER, SEE DETAIL THIS SHEET.

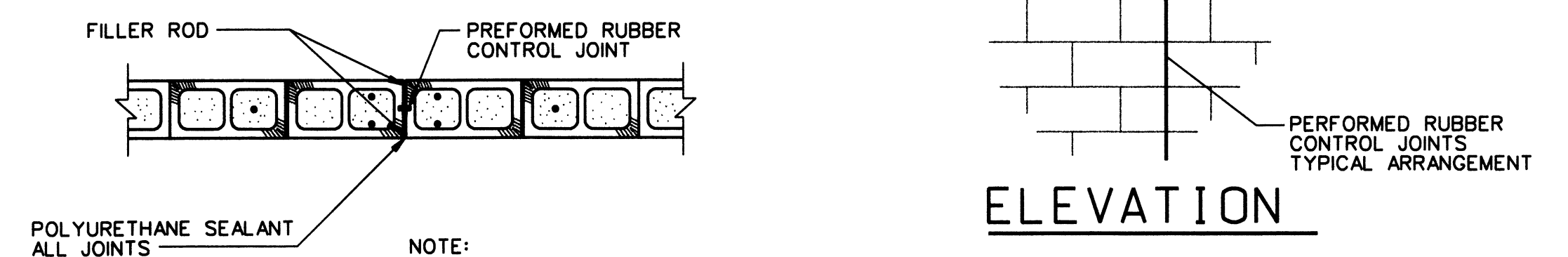
LINTEL BEAM REINF. 6
NO SCALE TYP GS3



TYPICAL CMU WALL INTERSECTION 2
NO SCALE TYP GS3

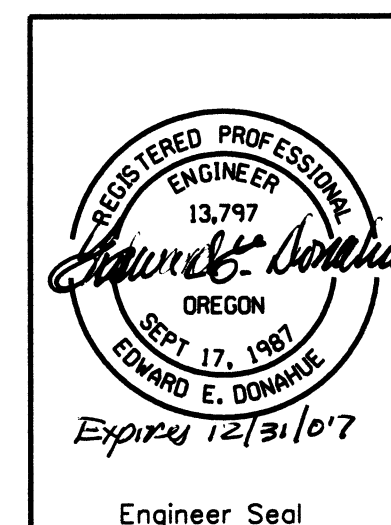


BOND BEAM INTERSECTIONS 3
NO SCALE TYP GS3

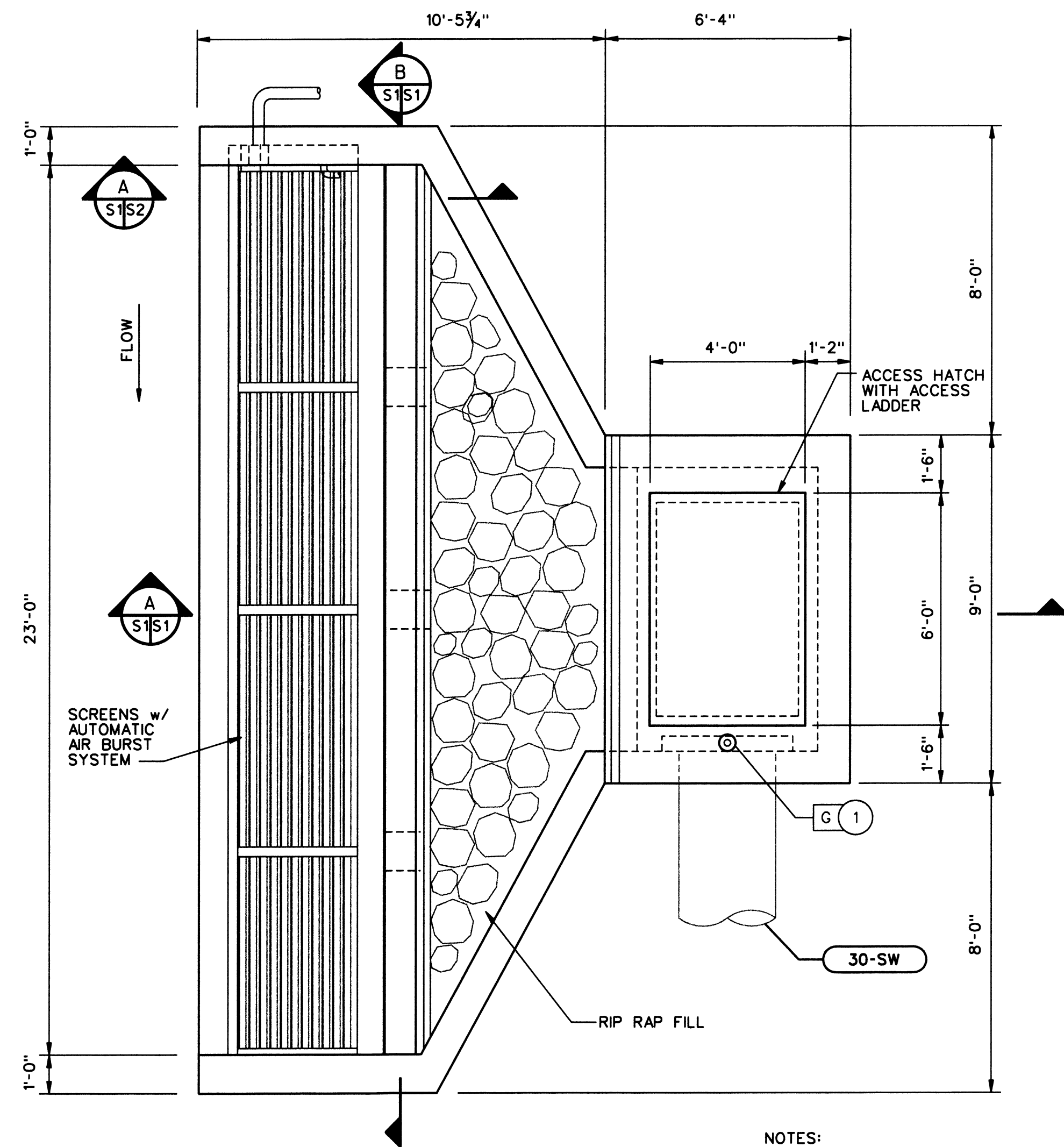


SECTION TYPICAL CONTROL/EXPANSION JOINT 5
NO SCALE TYP GS3

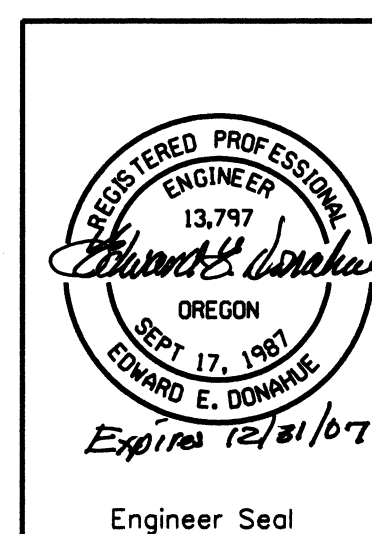
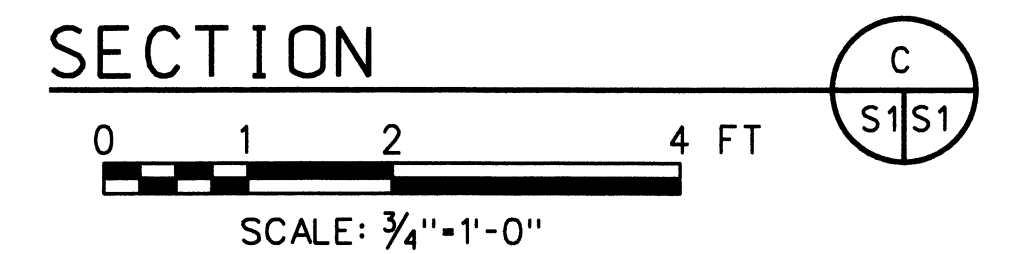
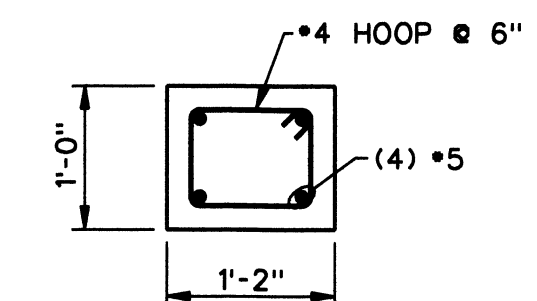
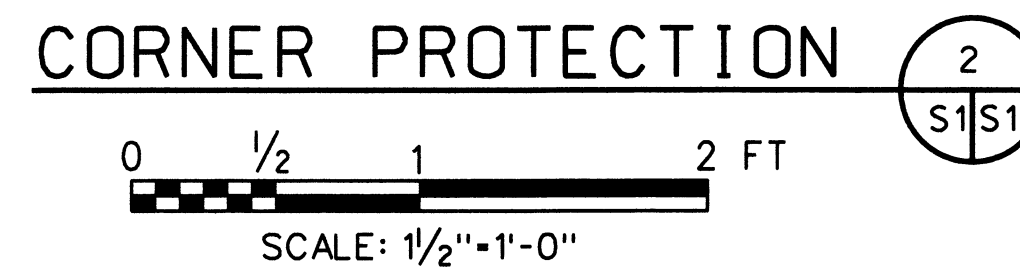
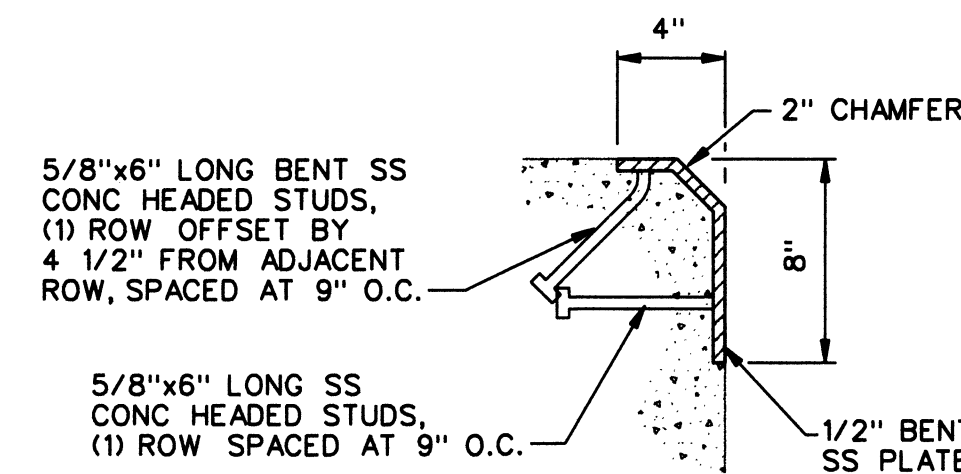
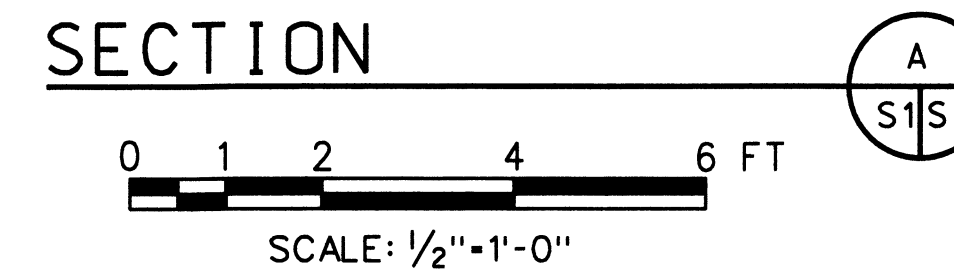
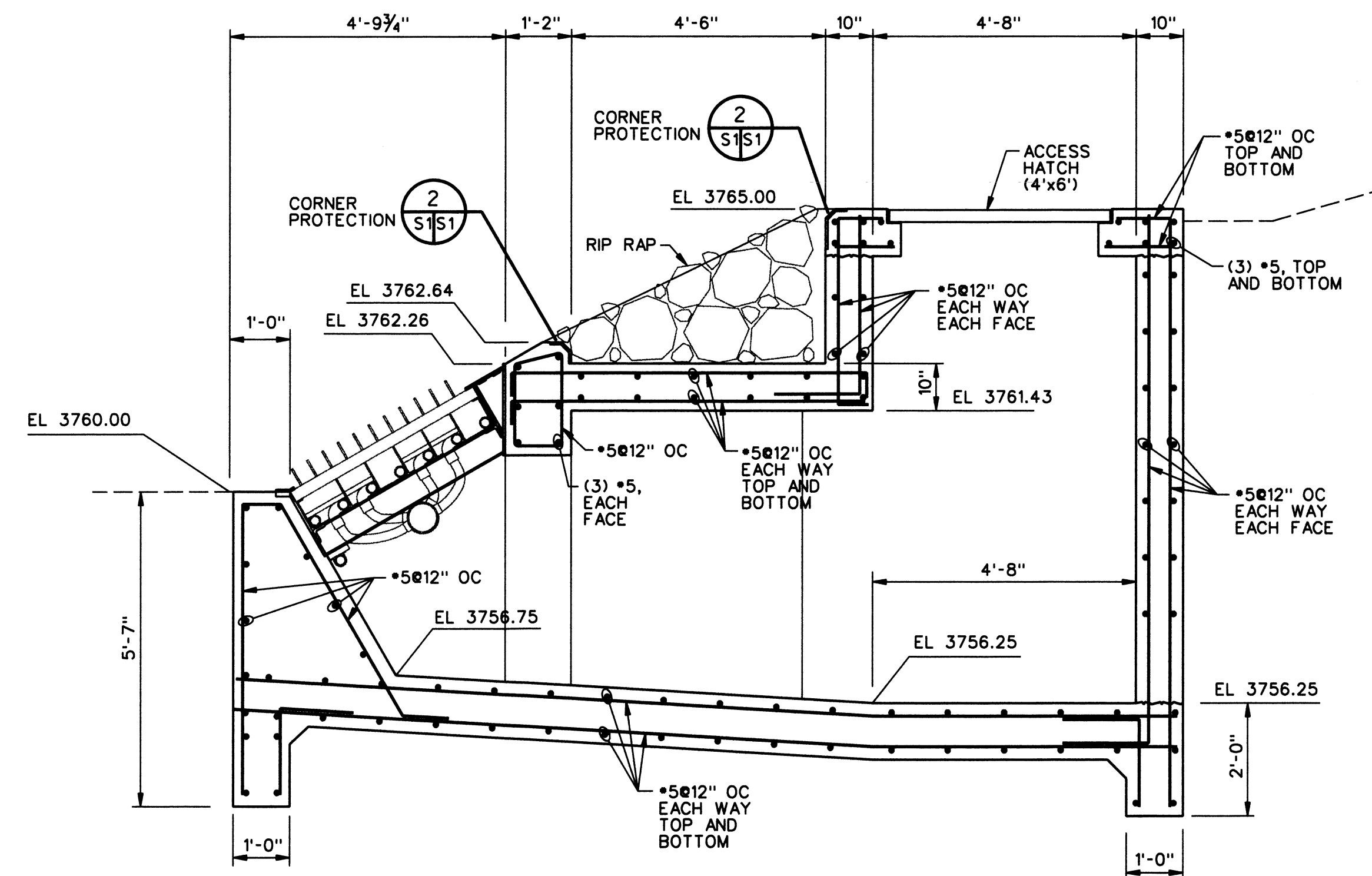
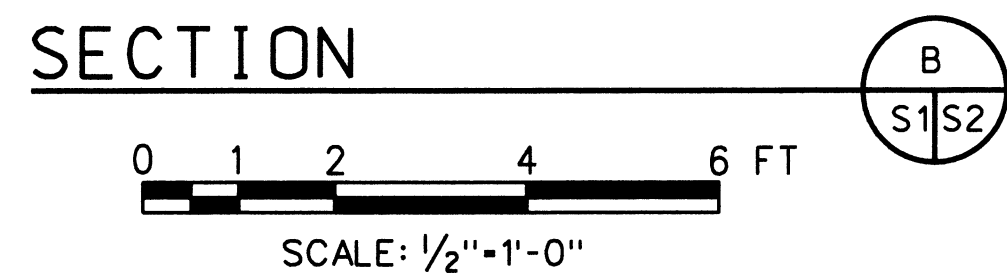
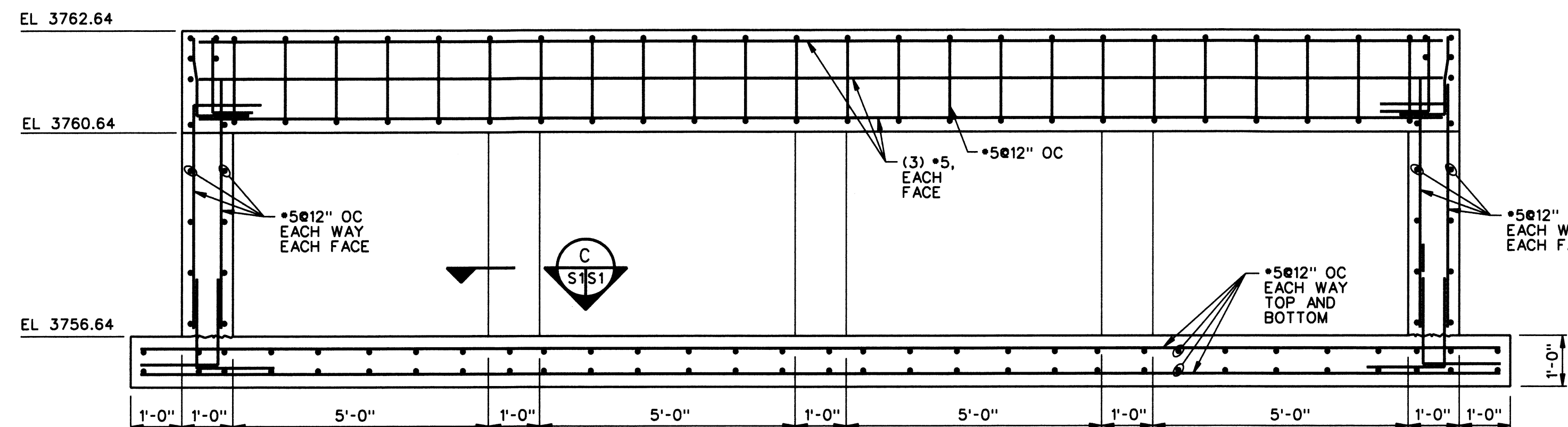
- NOTE:
- ALL REINF BARS CONT @ CONTROL JOINTS.
 - REINF DISCONTINUOUS AT EXPANSION JOINTS.
 - SEE FOUNDATION PLAN FOR JOINT LOCATION



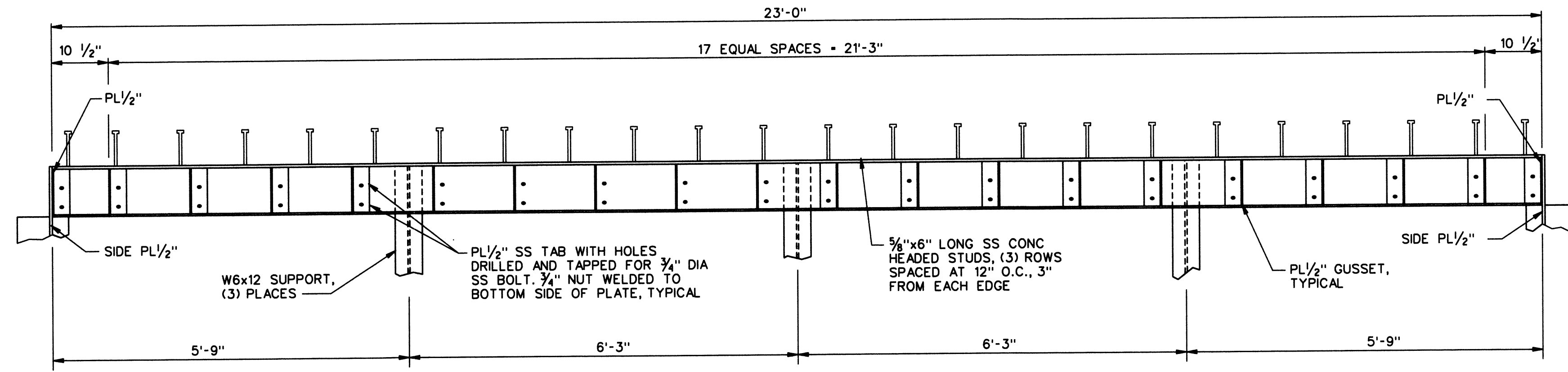
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UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON							
NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY							
GENERAL STRUCTURAL DETAILS 3							
Design	JDN						
Drawn	SLS						
Chkd	EED						
Sub							
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Appr							
Date	04/10/06						
SERIAL		SOURCE		SHEET NO.		SHEET	
				GS3		OF	



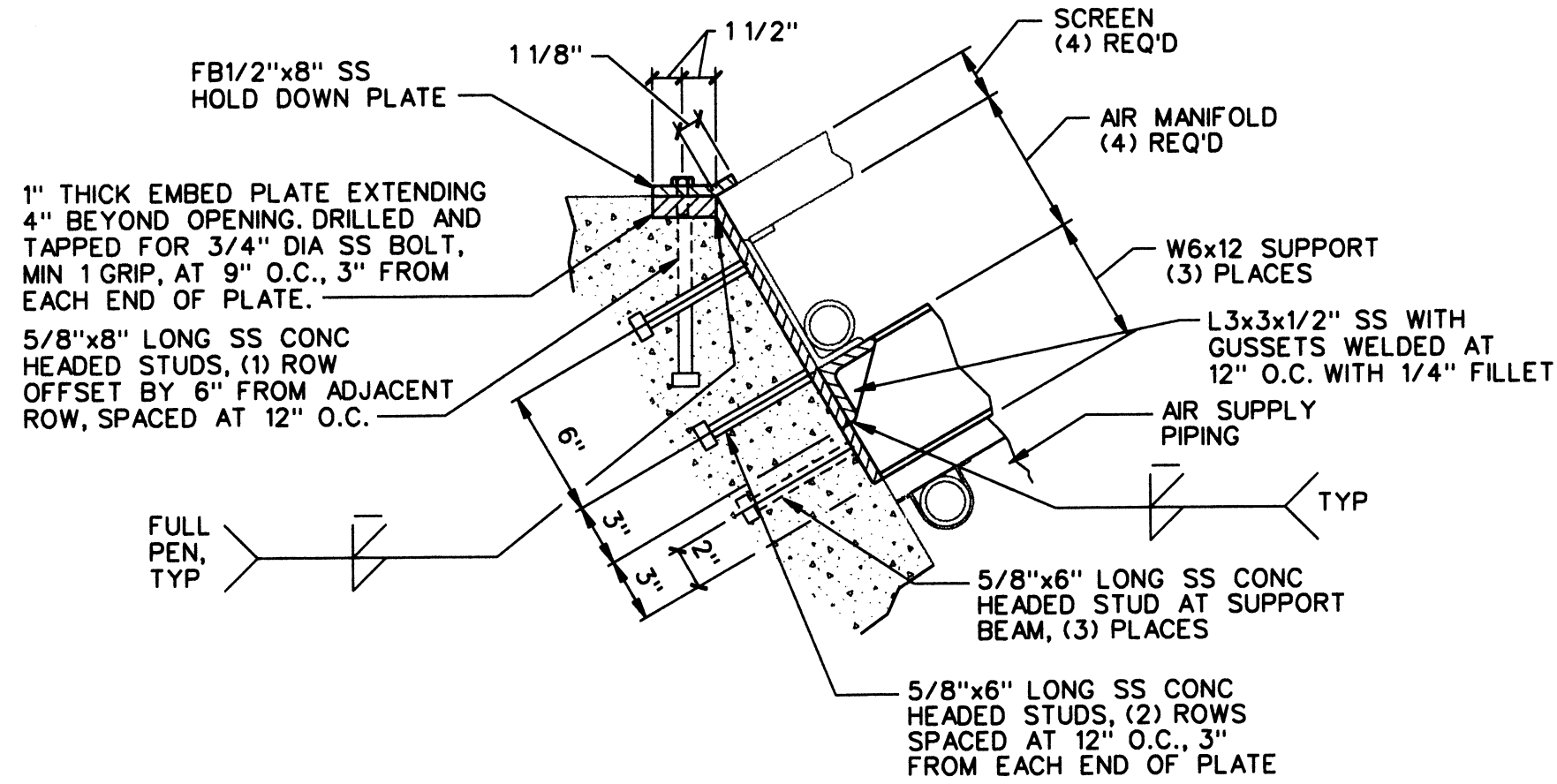
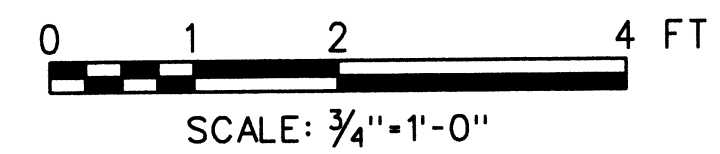
- NOTES:
1. (G) 1 30"x30" ALUMINUM SLIDE GATE WITH RISING STEM AND REMOVABLE HANDWHEEL OPERATOR. MAXIMUM SEATING HEAD IS 10 FT. GATE INVERT SET AT EL 3756.25. INSTALL GAGTE FLUSH BOTTOM MOUNTED WITH FLAT BACK FRAME.
 2. SEE SHEET M2 FOR PIPE PENETRATION DETAILS.



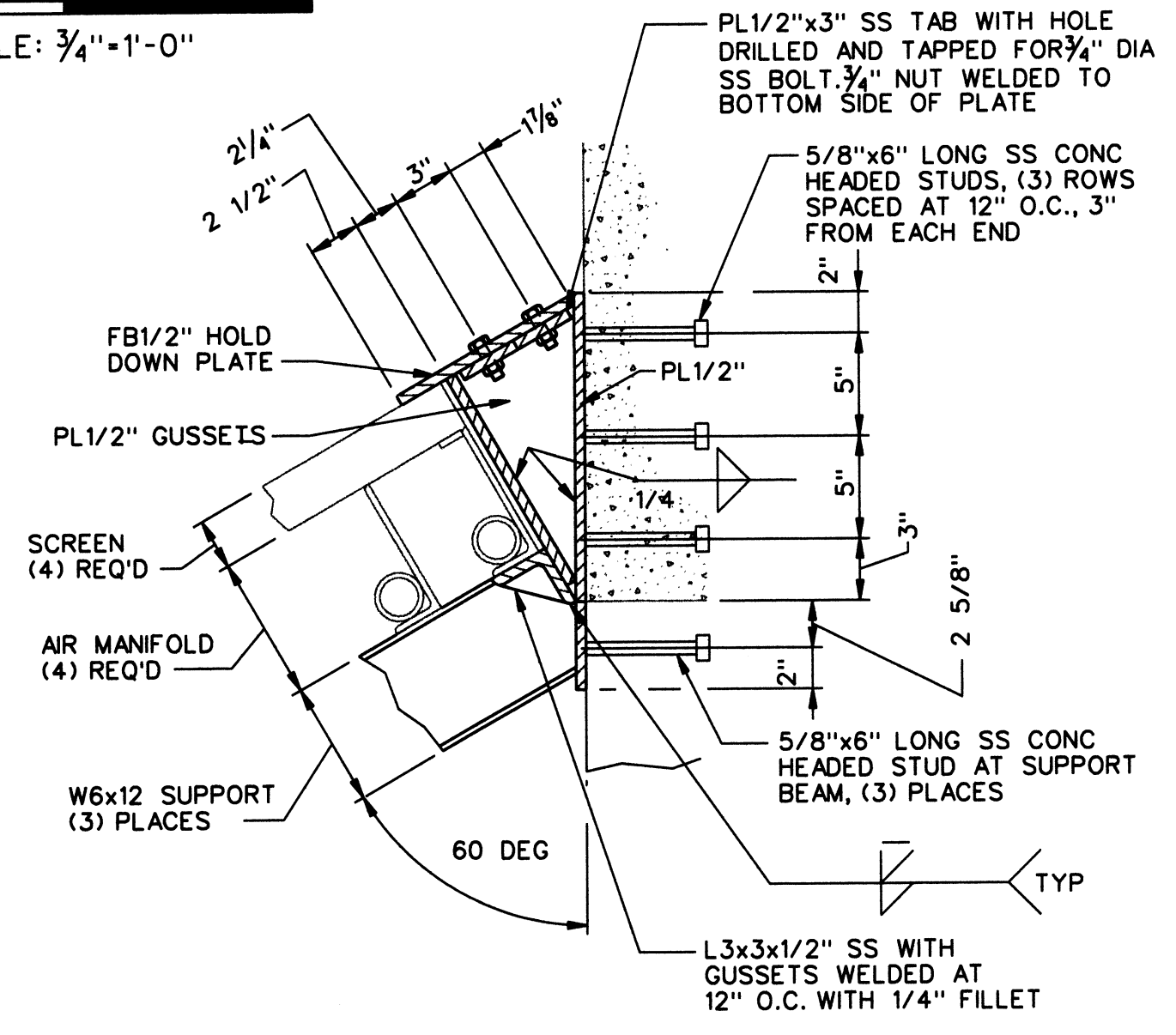
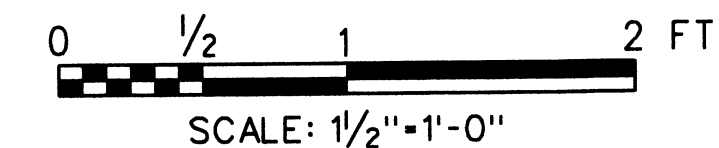
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NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY							
INTAKE STRUCTURE PLAN AND SECTIONS							
Design	JDN						
Drawn	ACB						
Chkd	EED						
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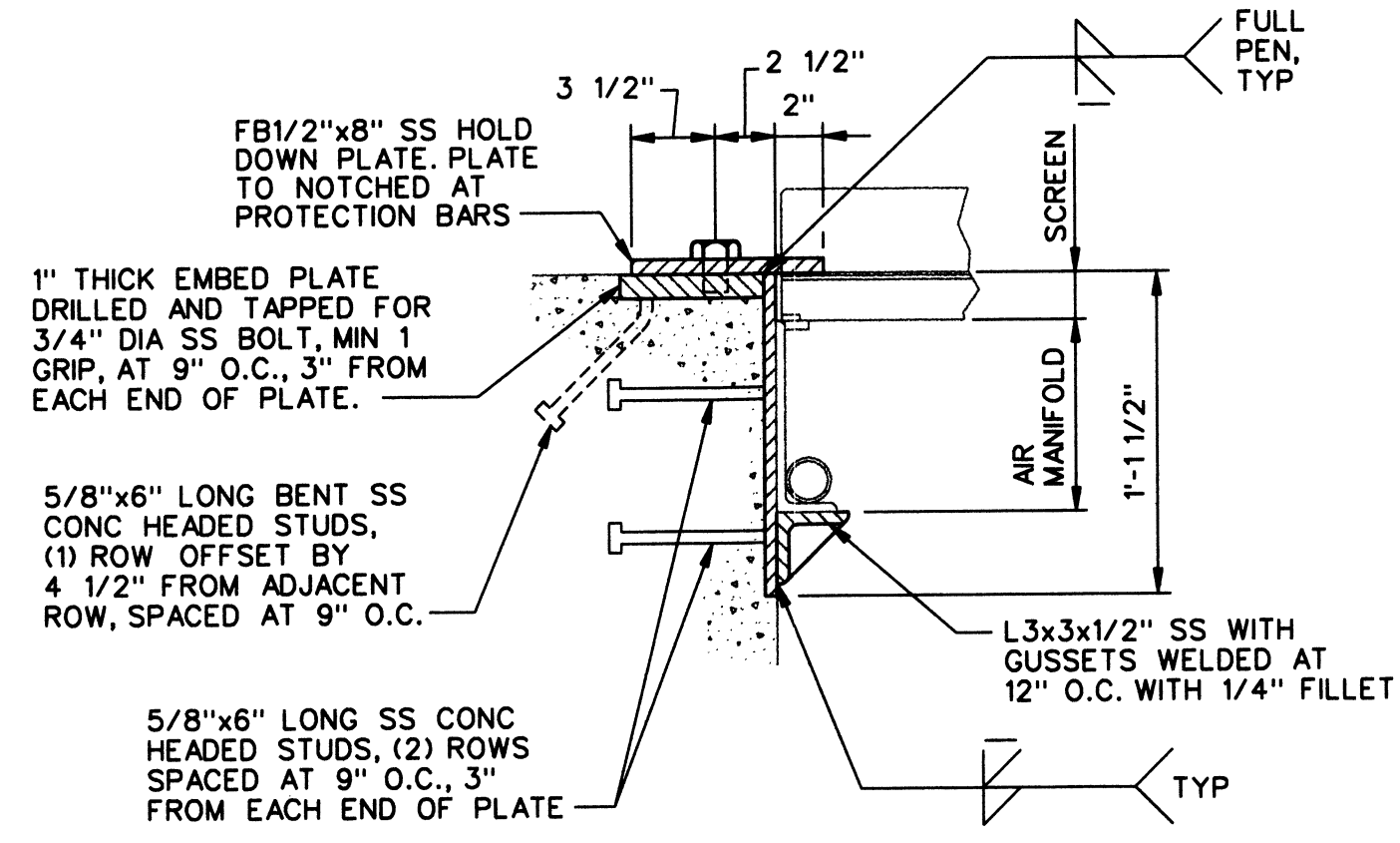
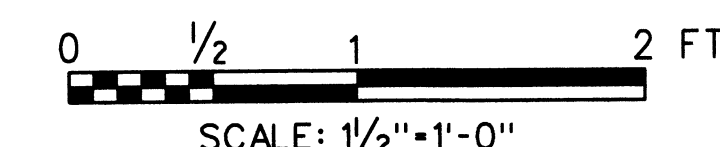
PLAN OF SCREEN HEADER



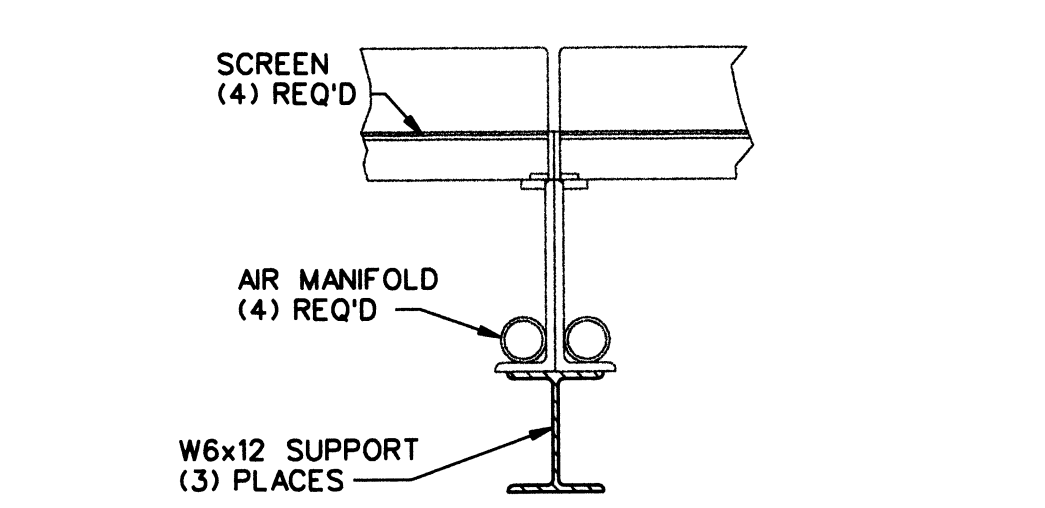
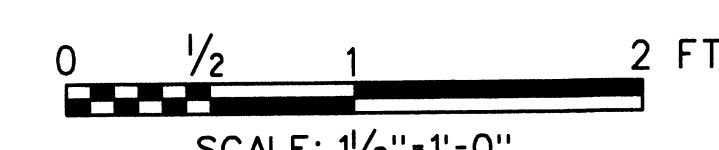
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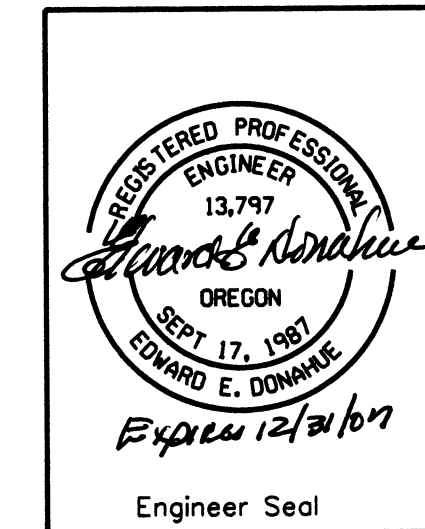
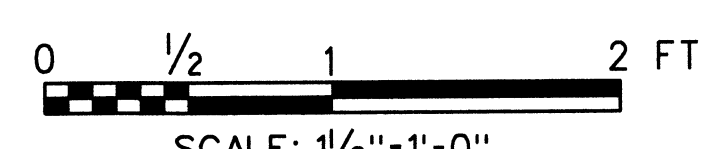
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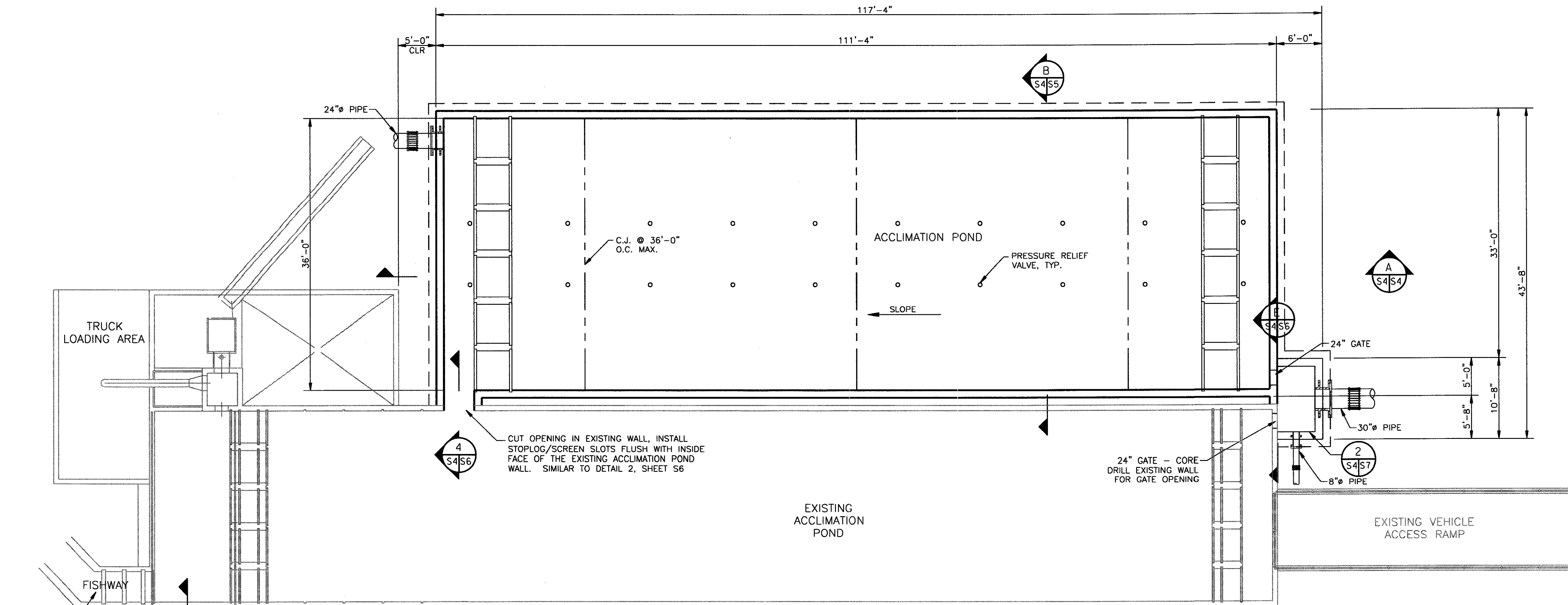
SECTION C



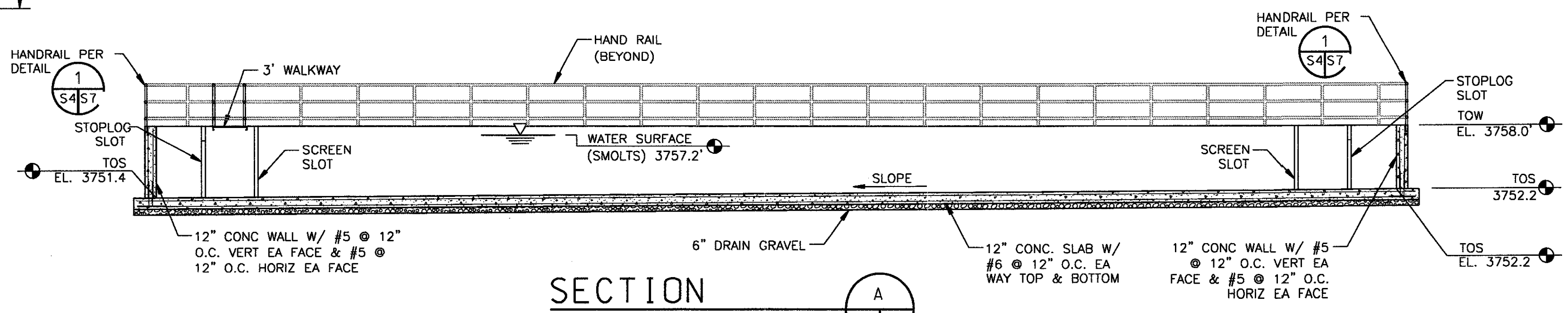
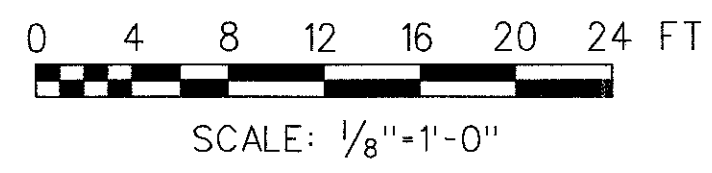
SECTION D



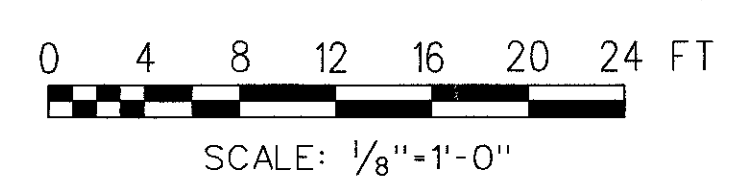
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C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S3_NEOH.dgn							
Design	JDN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	ACB	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	EED	INTAKE STRUCTURE SECTIONS AND DETAILS 3					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Rec				S3	OF		
Appr							
Date	04/10/06						



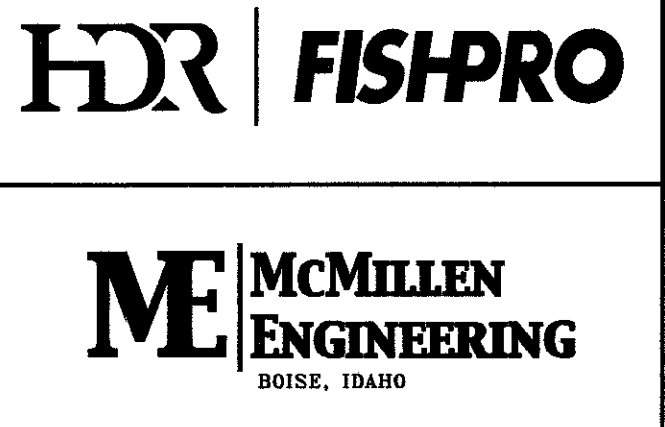
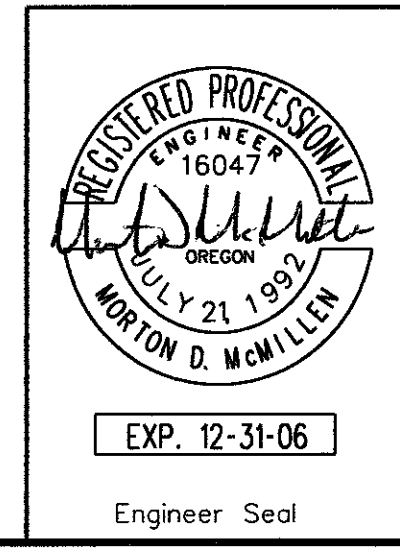
FOUNDATION PLAN

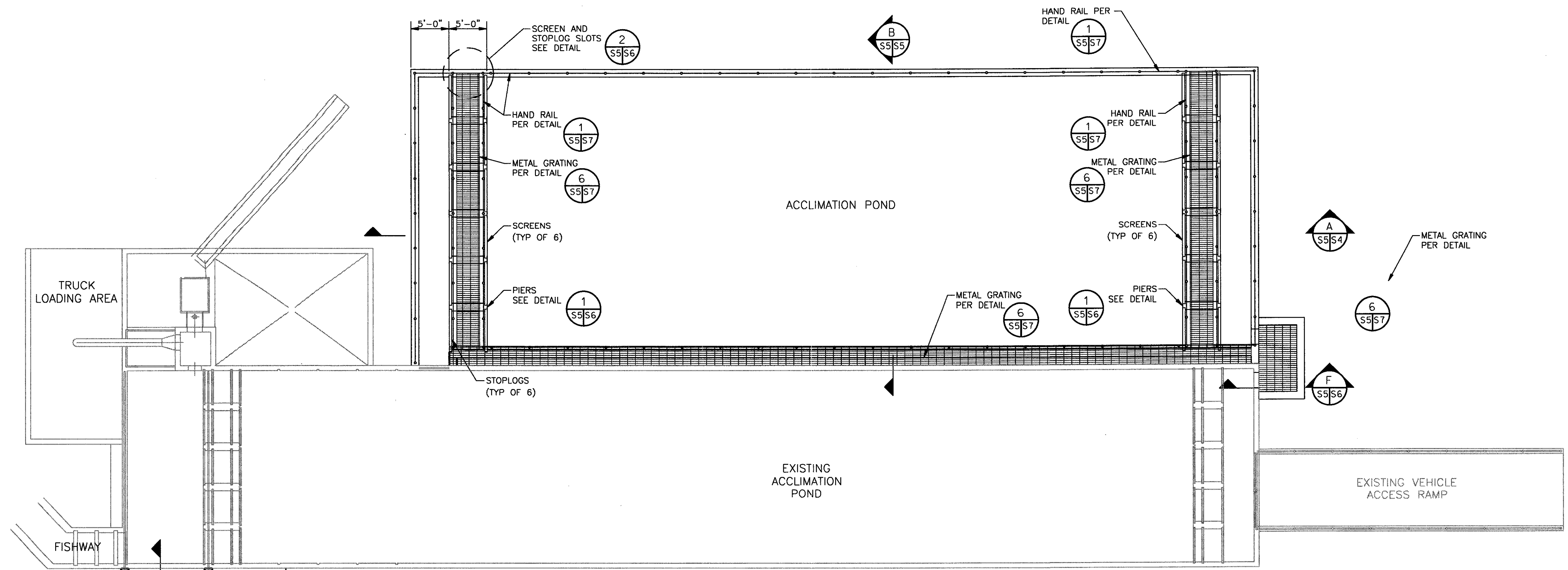


SECTION

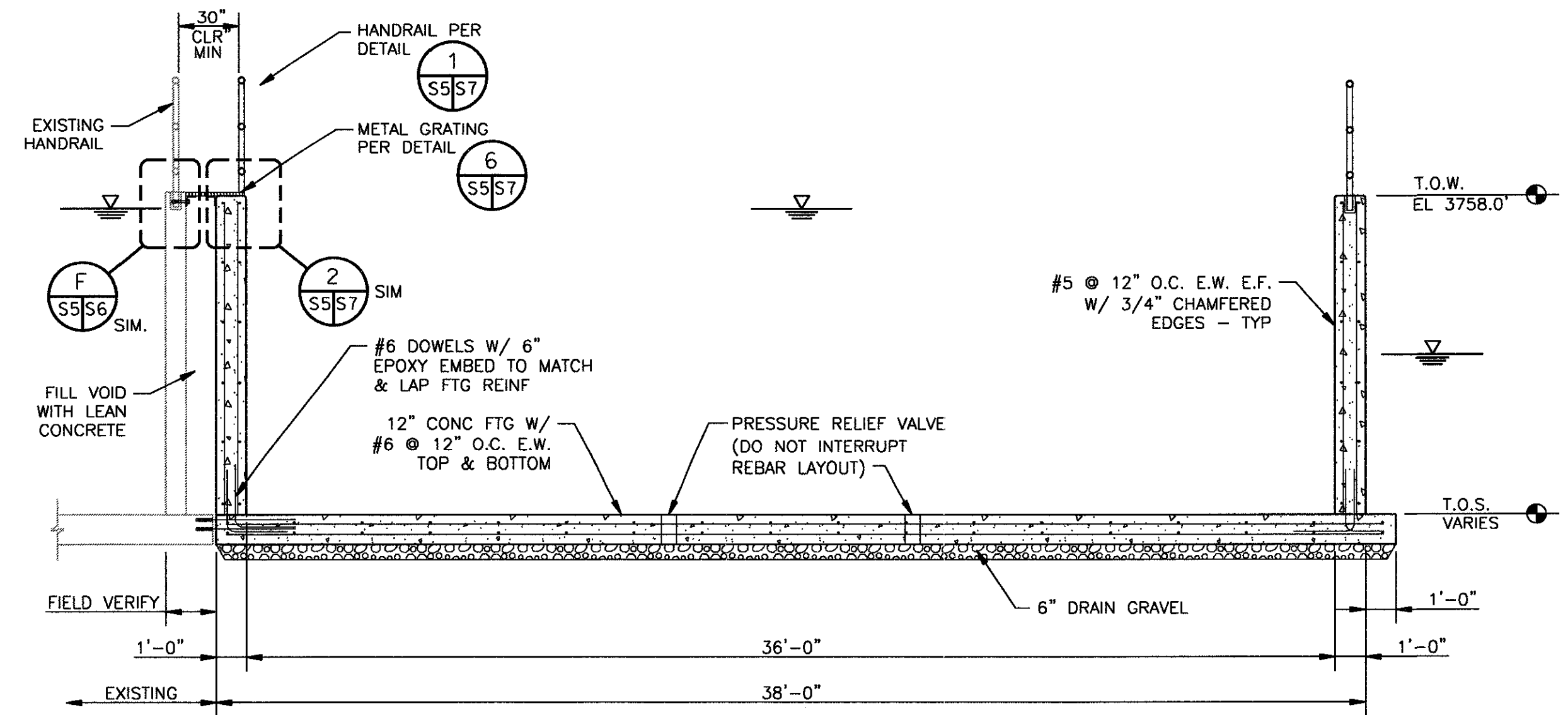
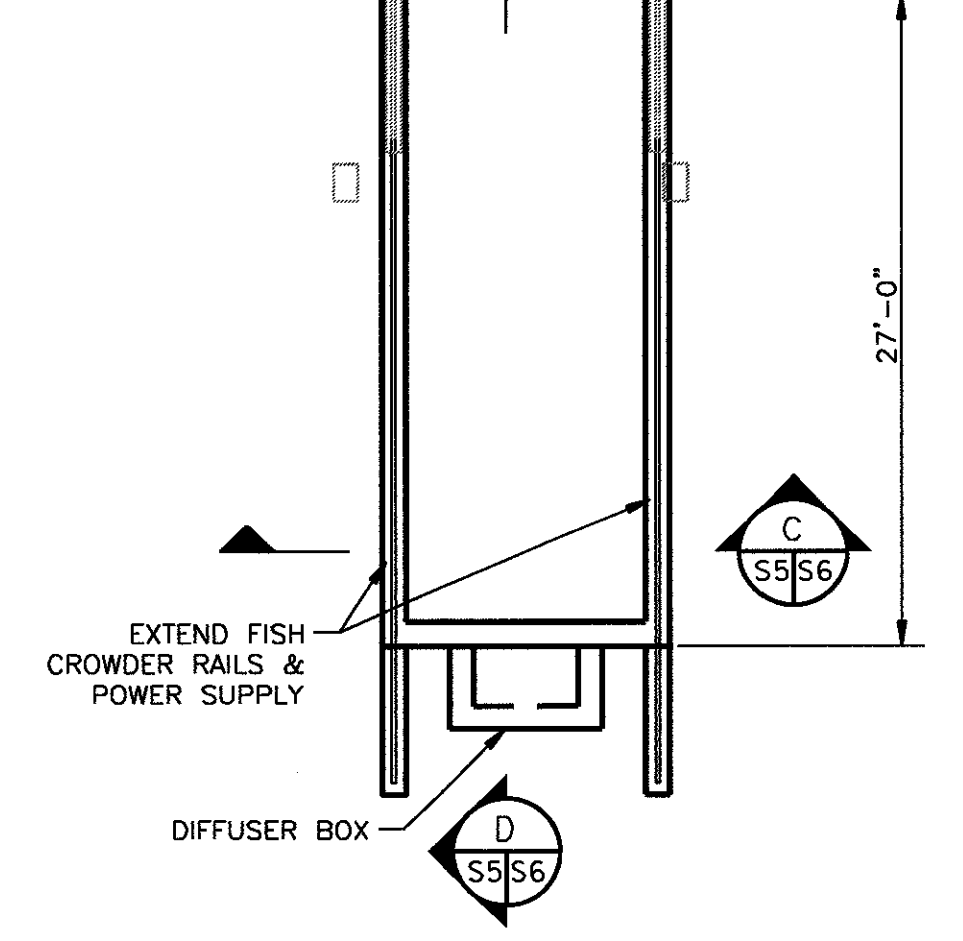
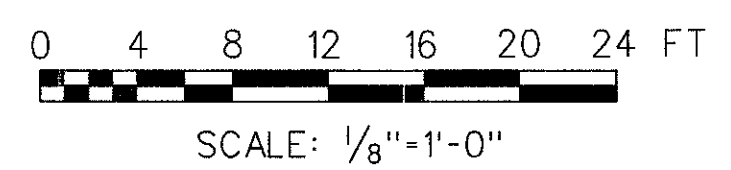


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Design	S. McLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY ACCLIMATION POND FOUNDATION PLAN AND SECTION					
Chkd	M. McMILLEN	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Sub				S4	OF		
Rec							
Appr							
Date							

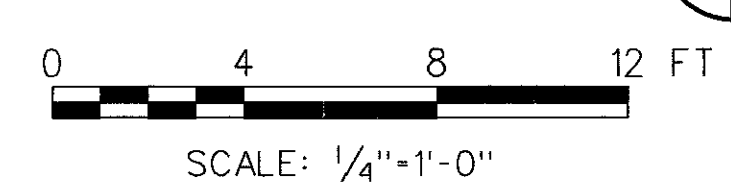




TOP PLAN



SECTION



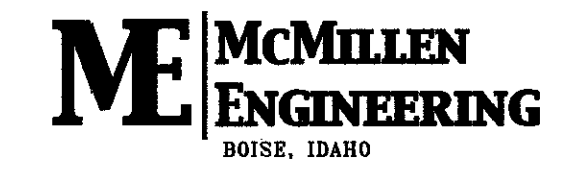
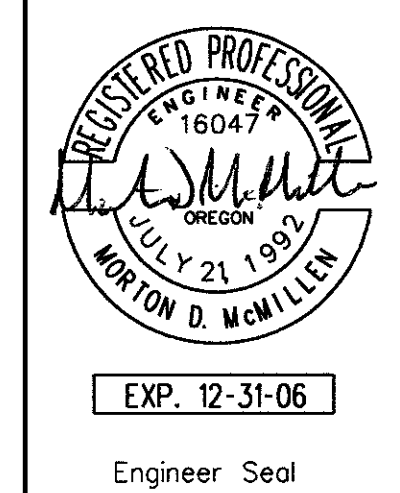
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C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-5.dwg							

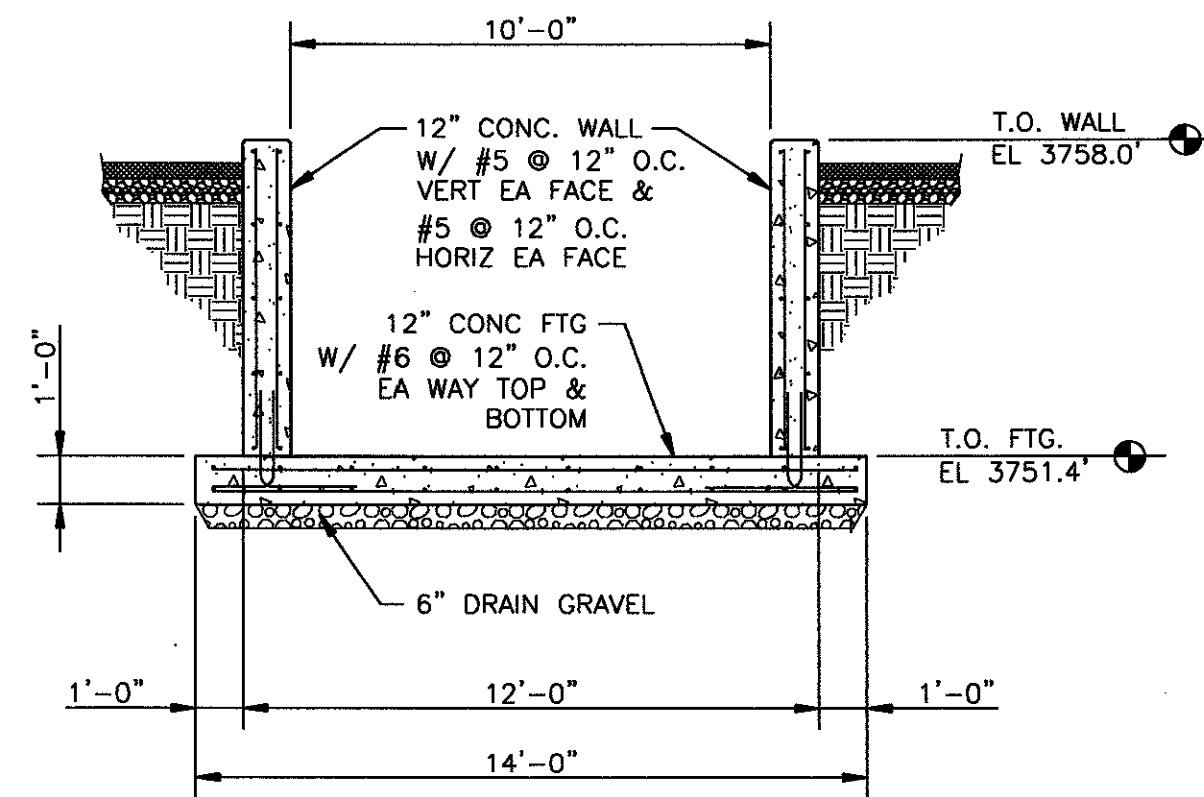
Design	S. McLENDON
Drawn	R. GUERRERO
Chkd	M. McMILLEN
Sub	
Rec	
Rec	
Appr	
Date	

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
 HEADQUARTERS, PORTLAND, OREGON

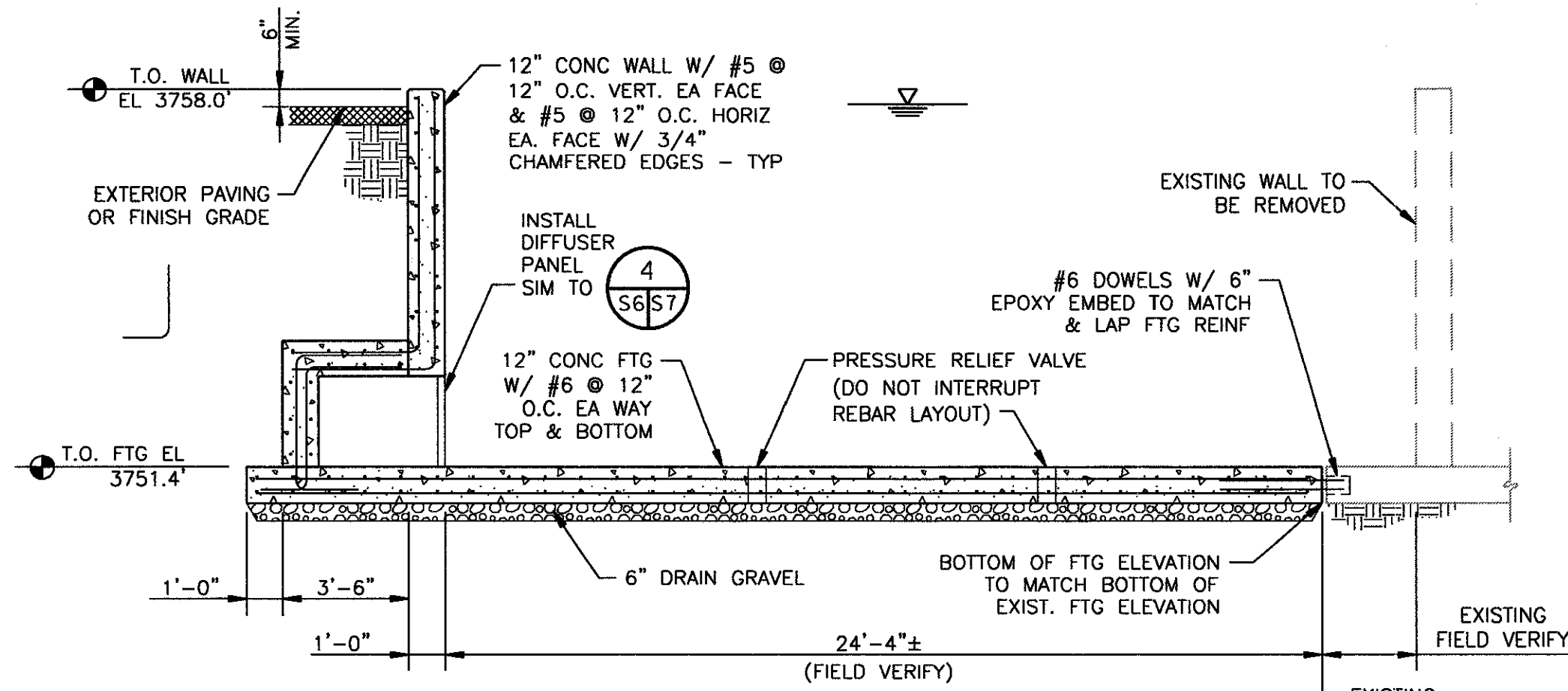
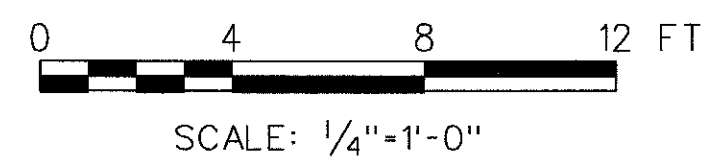
NORTHEAST OREGON HATCHERY PROGRAM
IMNAHA SATELLITE FACILITY
ACCLIMATION POND
TOP PLAN AND SECTION

SERIAL	SOURCE	SHEET NO.	SHEET	REVISION
		S5	OF	

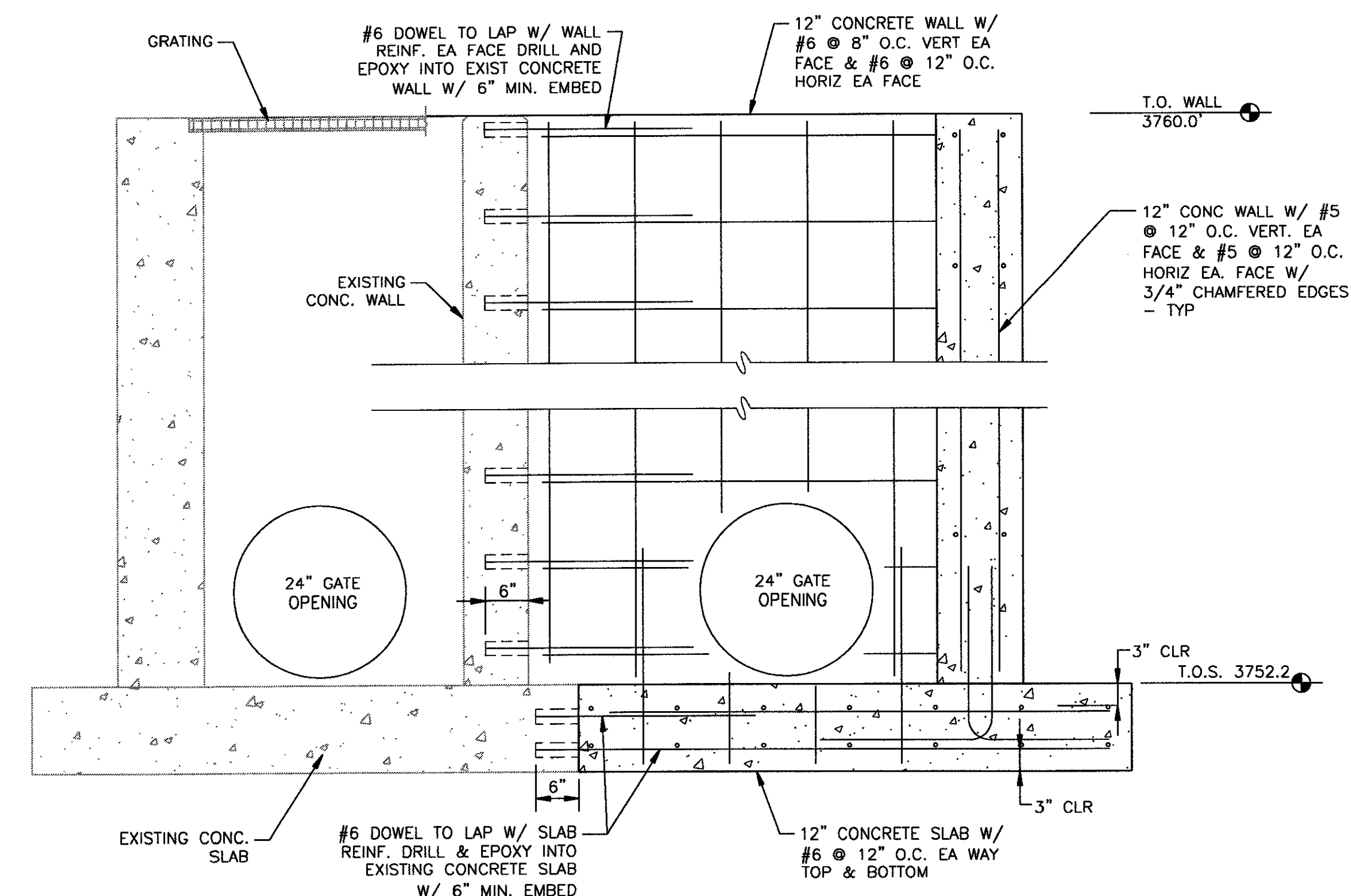
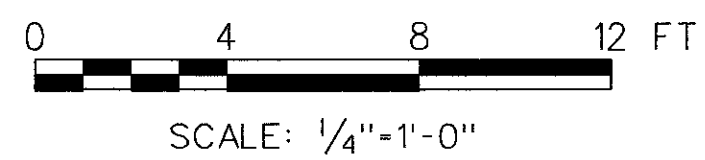




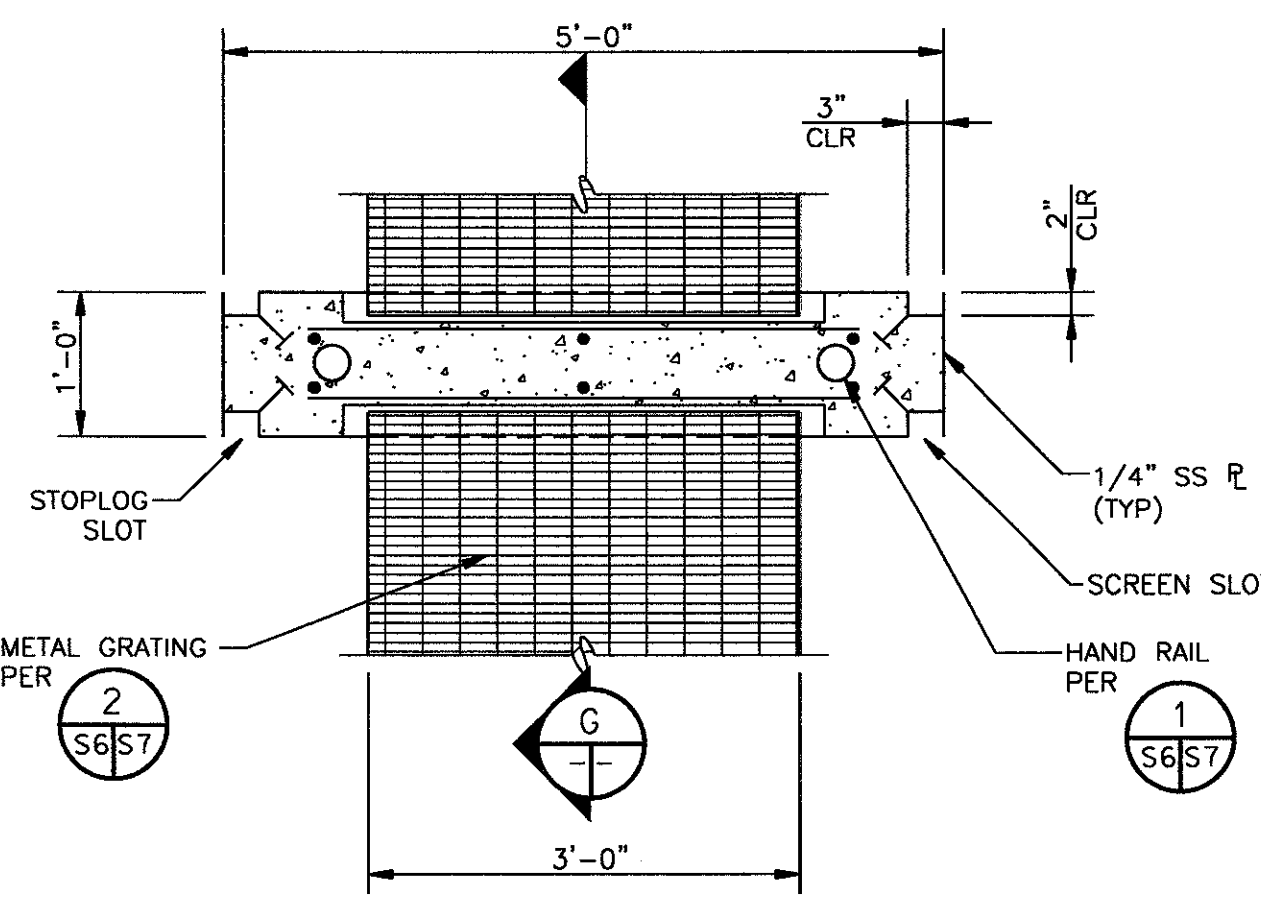
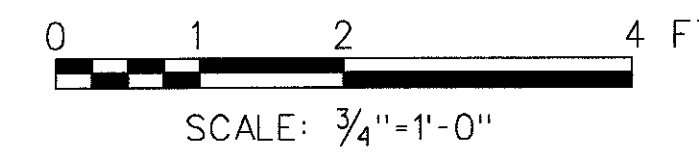
SECTION C S4/S6



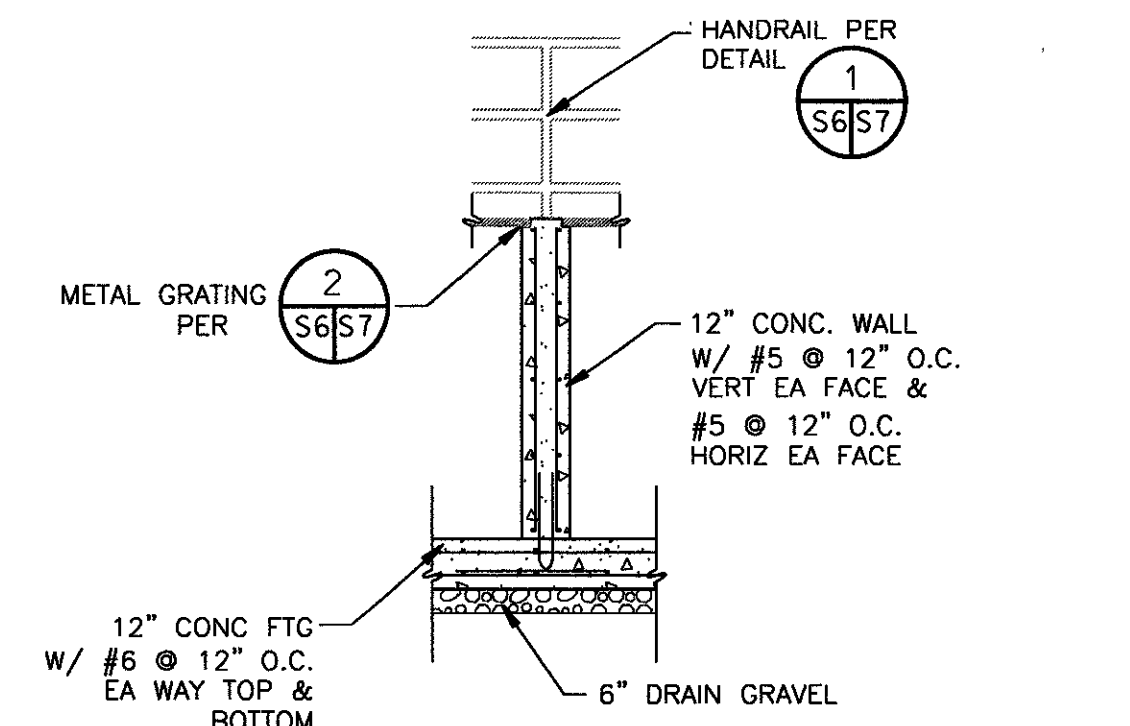
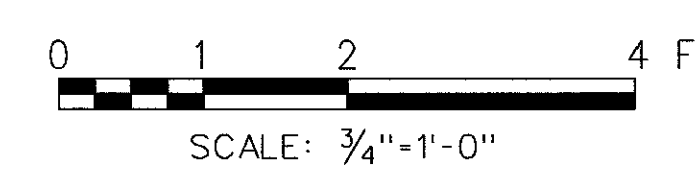
SECTION D S4/S6



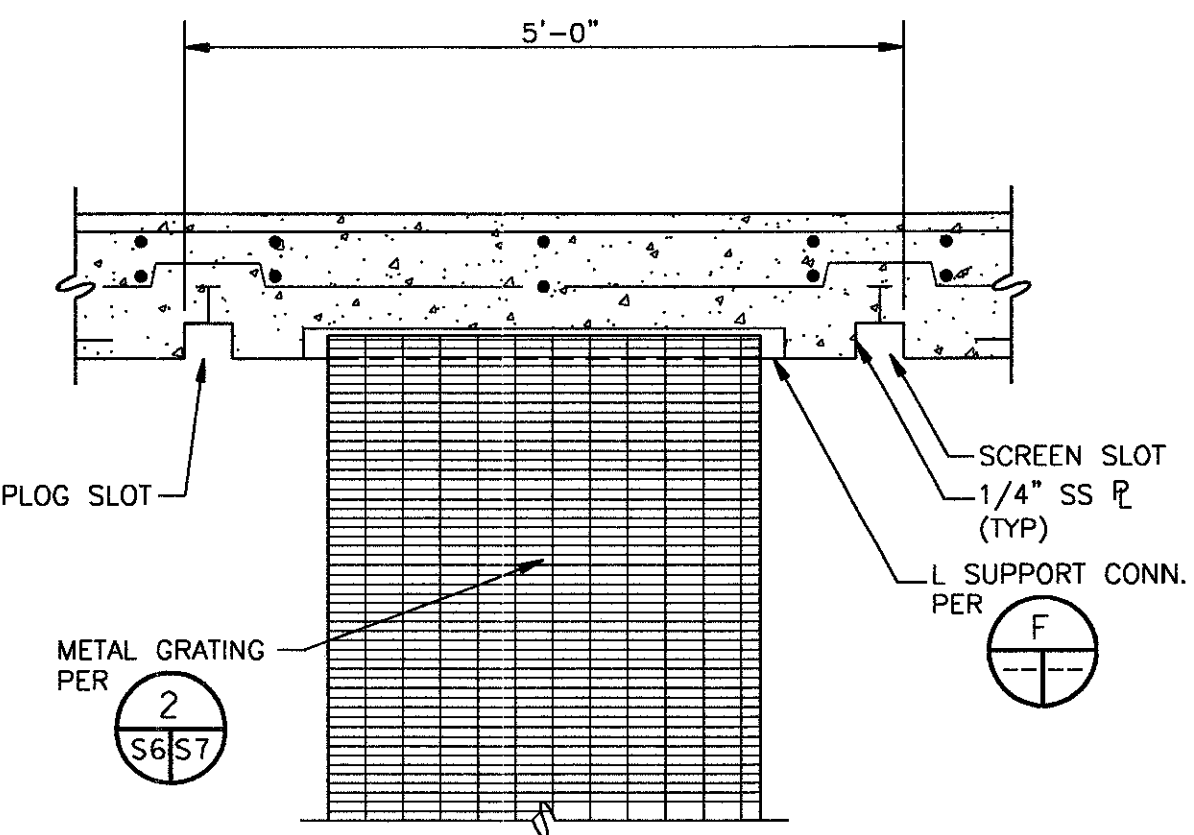
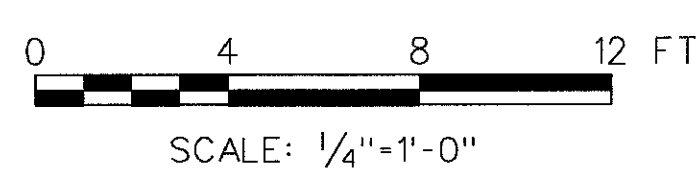
SECTION E S4/S6



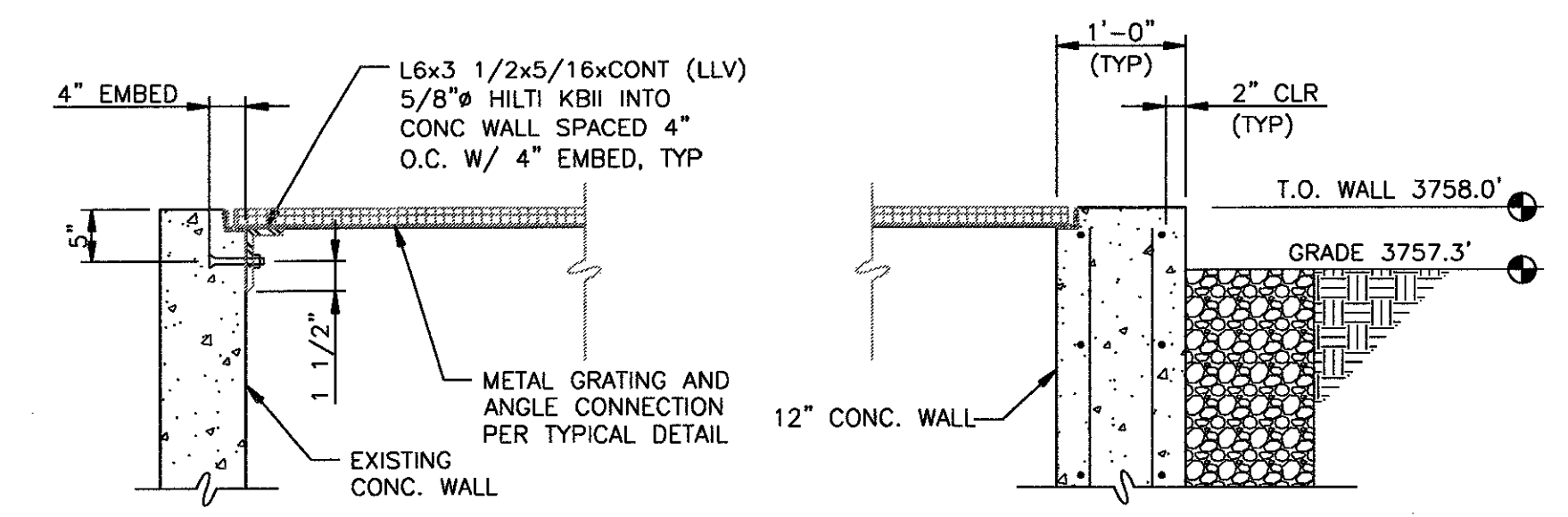
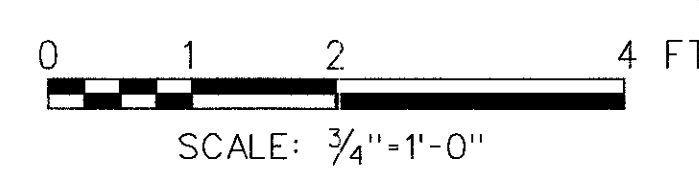
PIER - DETAIL 1 S5/S6



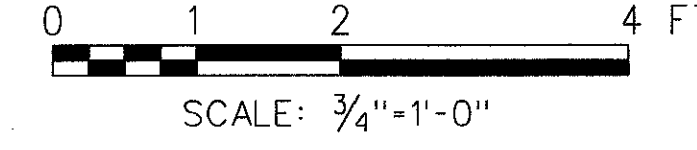
SECTION G



WALL DETAIL 2 S5/S6

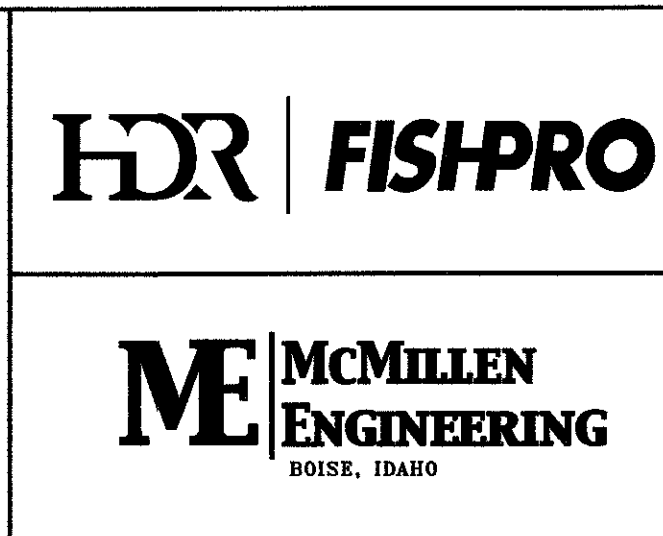
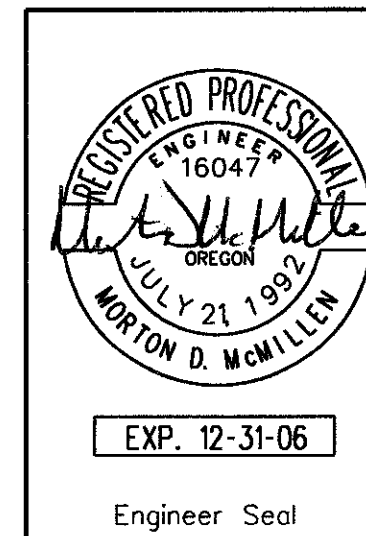


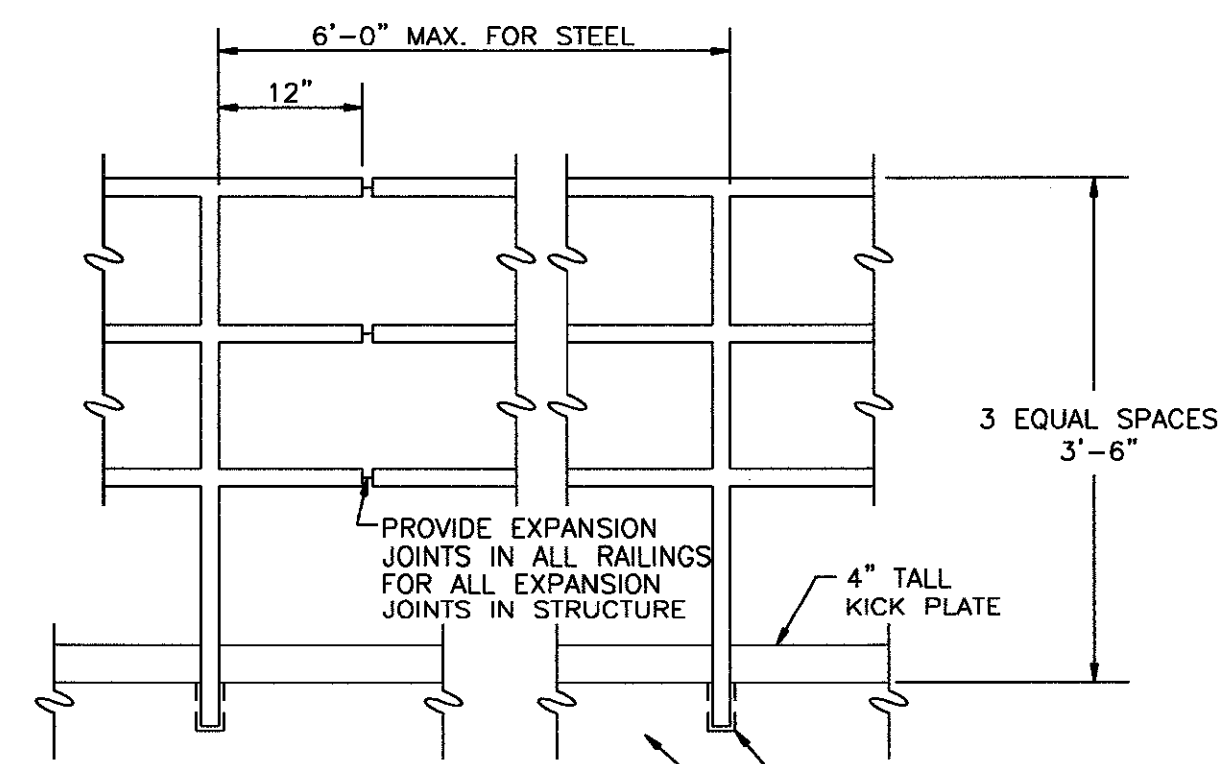
SECTION F S5/S6



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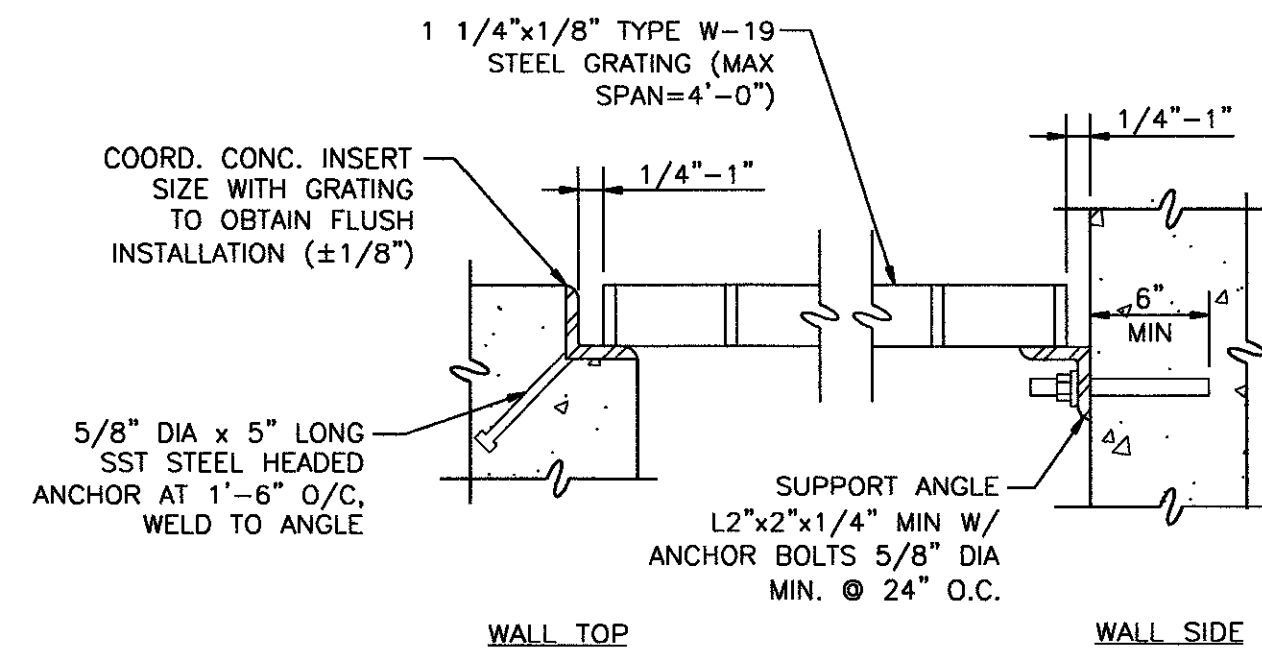
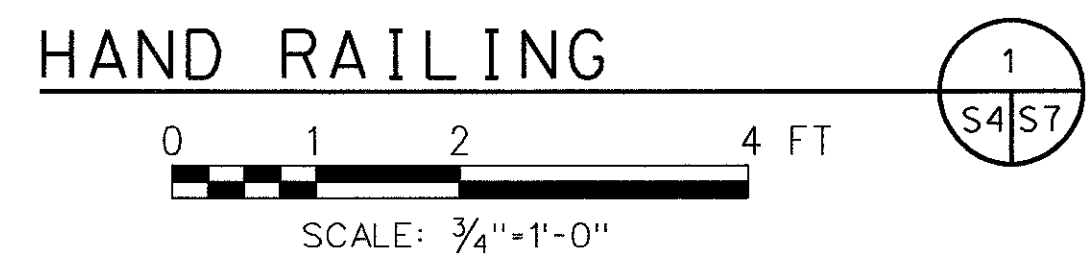
Design	S. McCLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	M. McMILLEN	ACCLIMATION POND SECTIONS AND DETAILS					
Sub							
Rec							
Appr							
Date		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
				S6	OF		



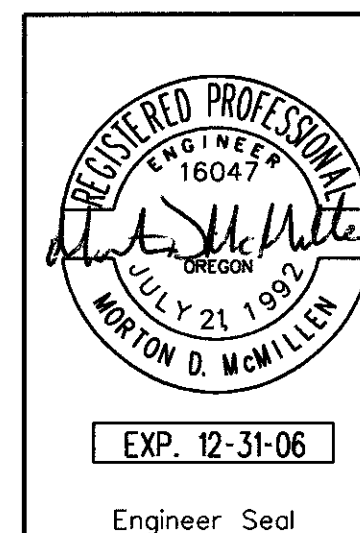
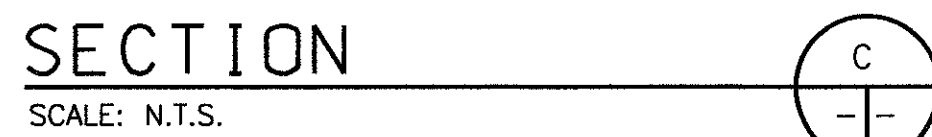
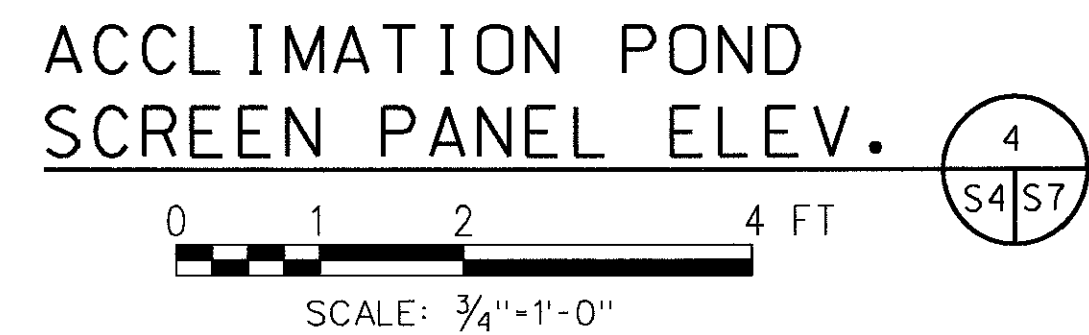
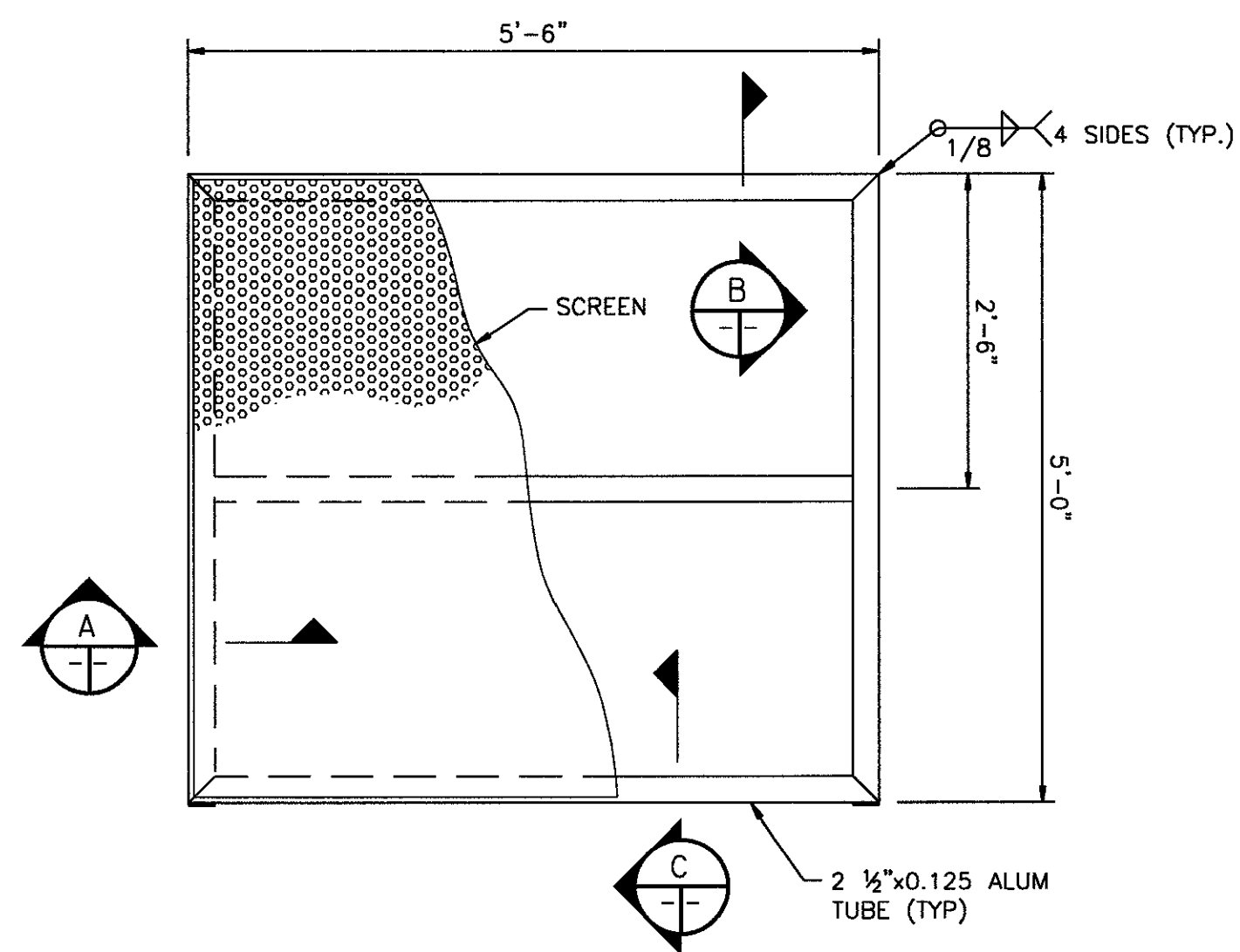
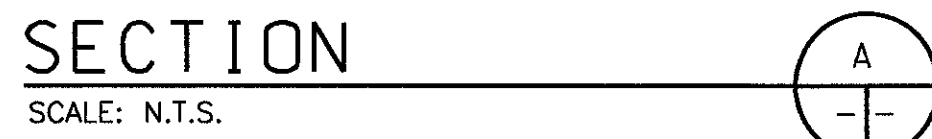
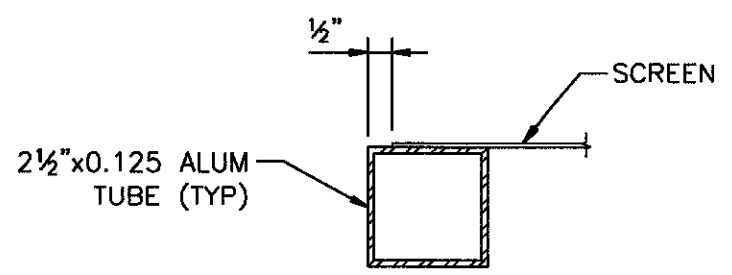
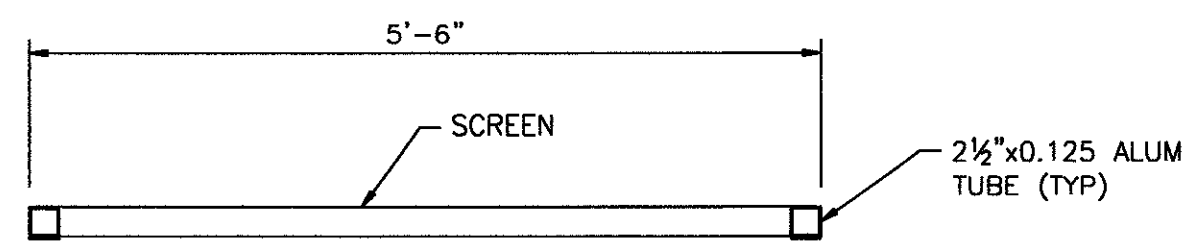
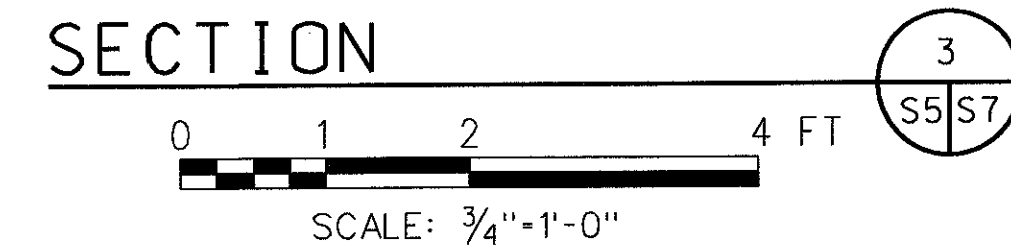
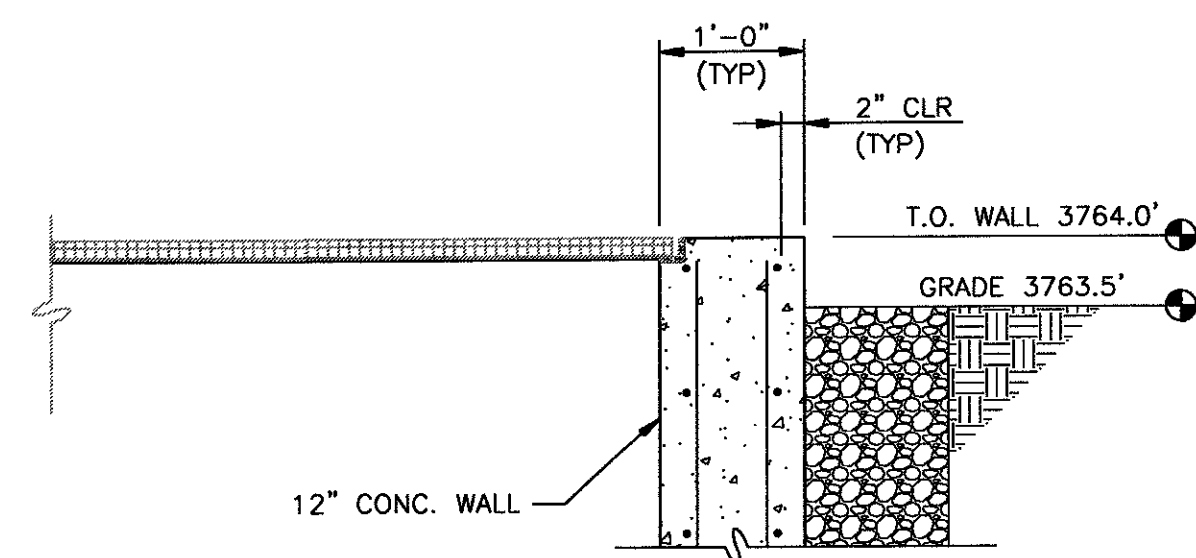


GALVANIZED STEEL RAILING:
1 1/2" SCHEDULE 40 STANDARD PIPE RAILING AND POSTS GALVANIZED AFTER FABRICATION.

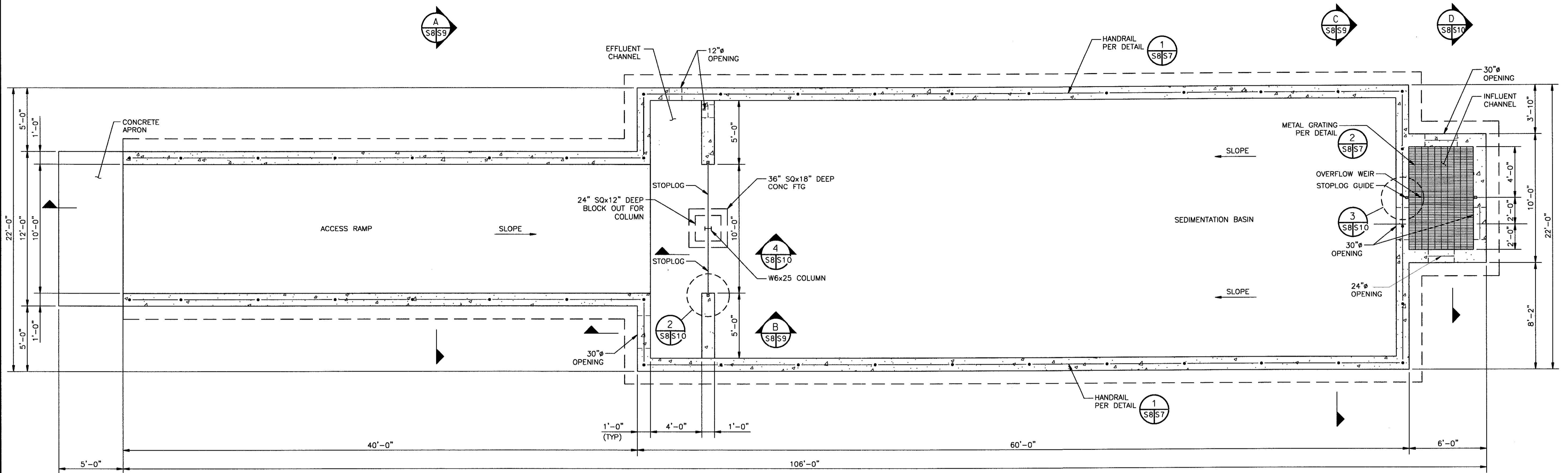
STAINLESS STEEL RAILING:
1 1/2" SCHEDULE 10 STAINLESS STEEL RAILING AND POSTS.



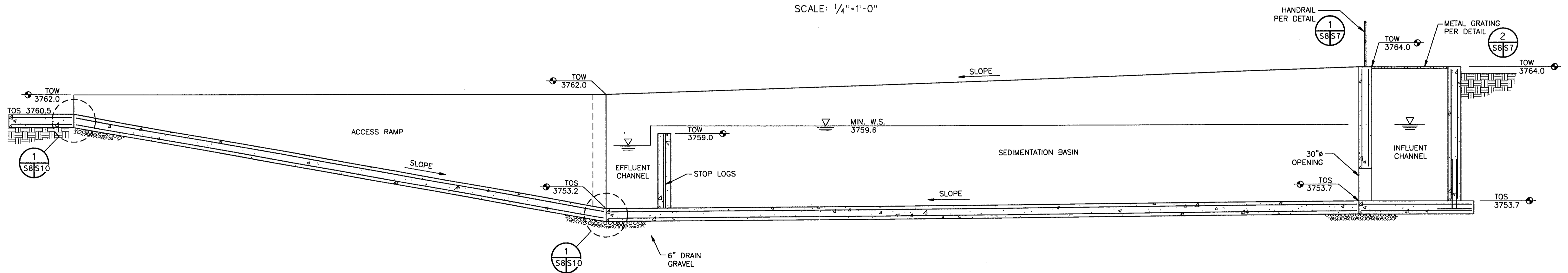
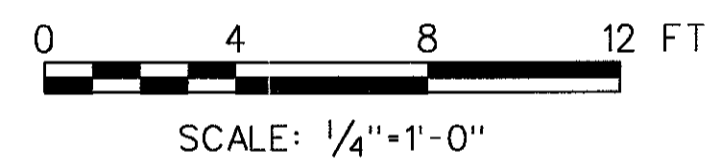
NOTE:
1. HOT-DIP GALVANIZE ANGLES AFTER FABRICATION.



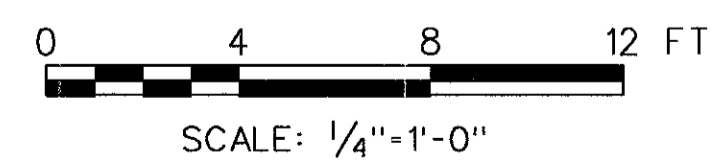
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Design	S. McLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	M. McMILLEN	ACCLIMATION POND DETAILS					
Sub							
Rec							
Rec							
Appr		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Date				S7	OF		



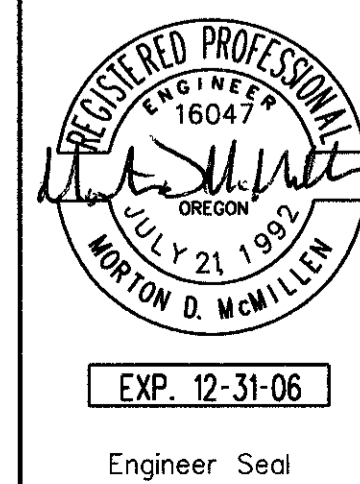
FOUNDATION PLAN

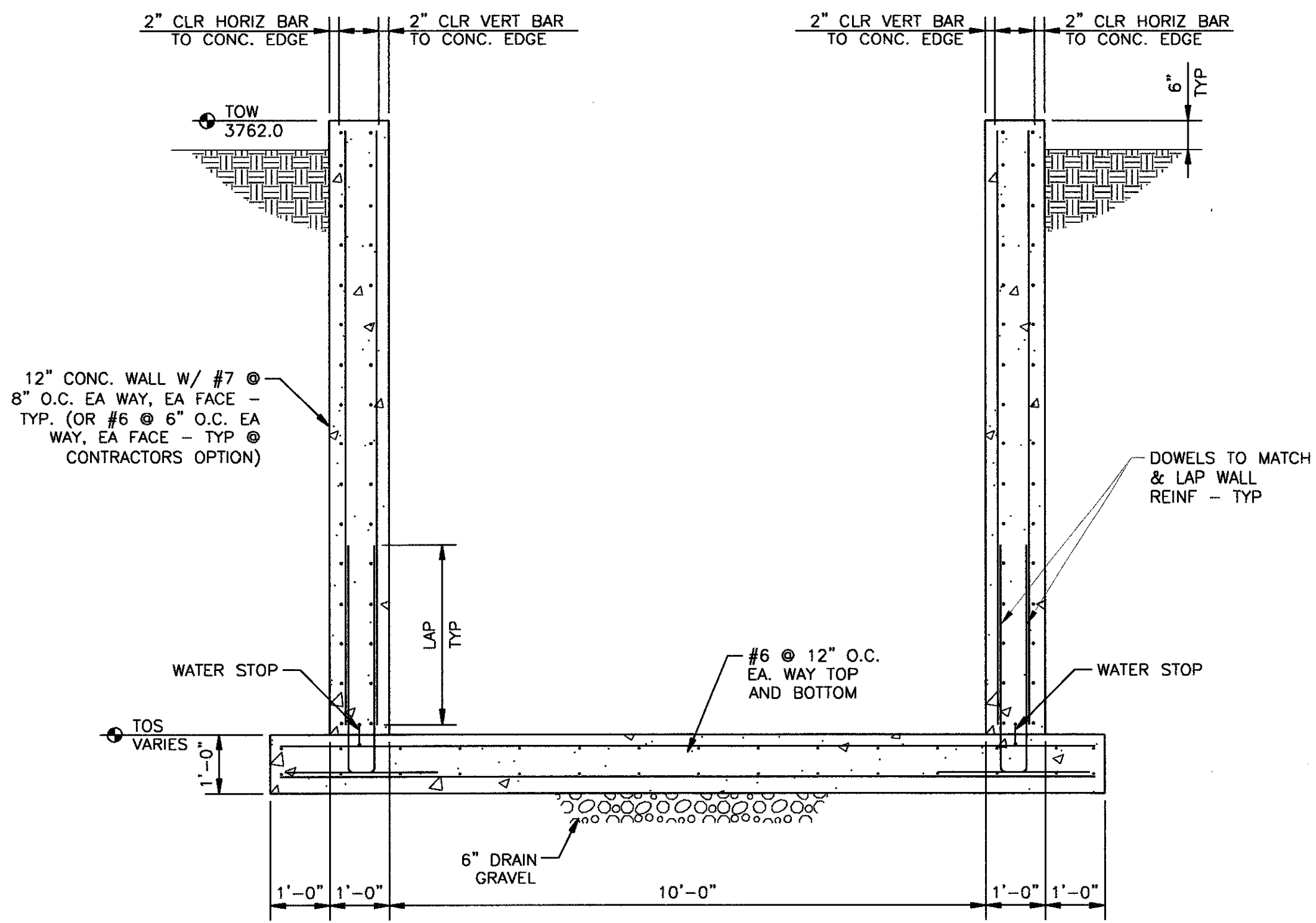


SECTION

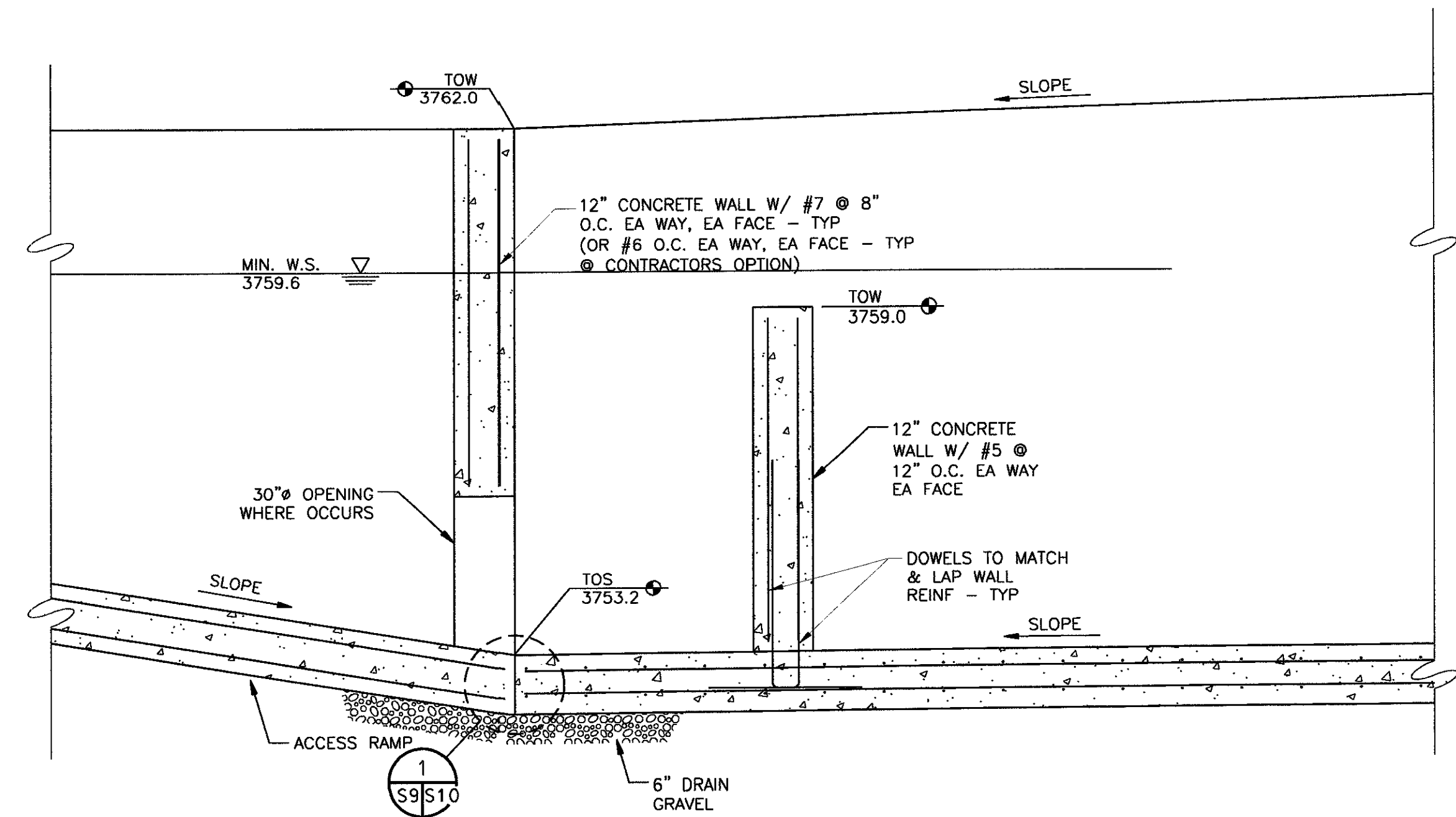


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C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-8.dwg							
Design	S. McLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY SEDIMENTATION POND FOUNDATION PLAN AND SECTION					
Chkd	M. McMILLEN	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Sub				S8	OF		
Rec							
Rec							
Appr							
Date							

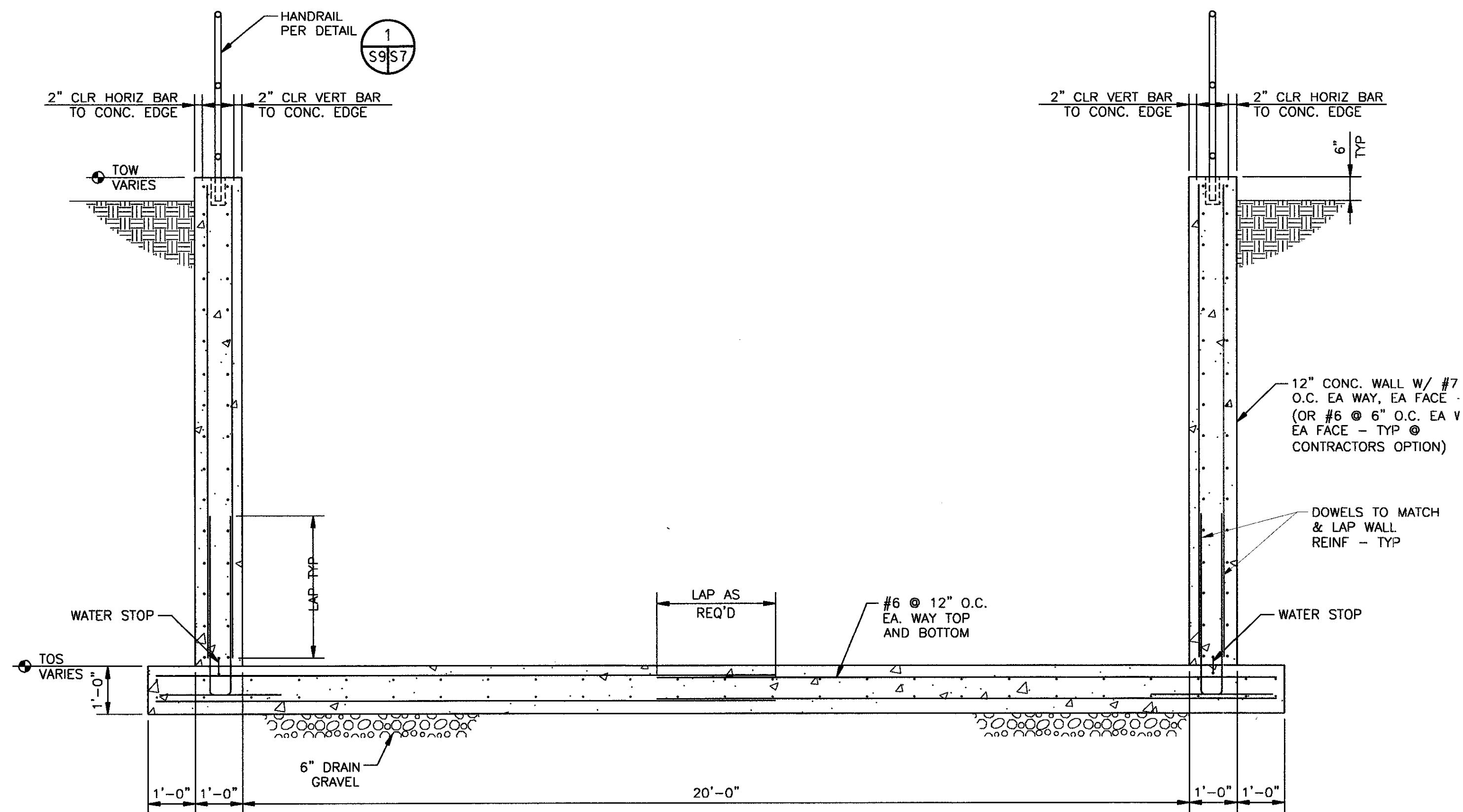




SECTION A
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 SCALE: 1/2"=1'-0"

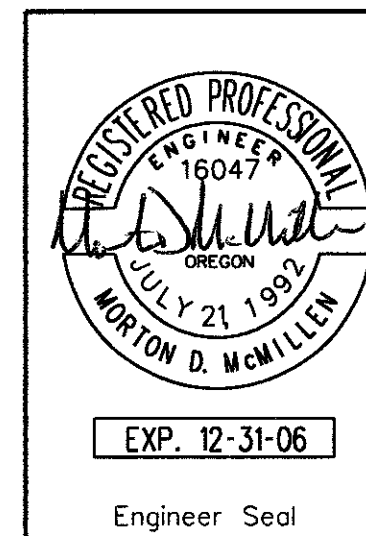


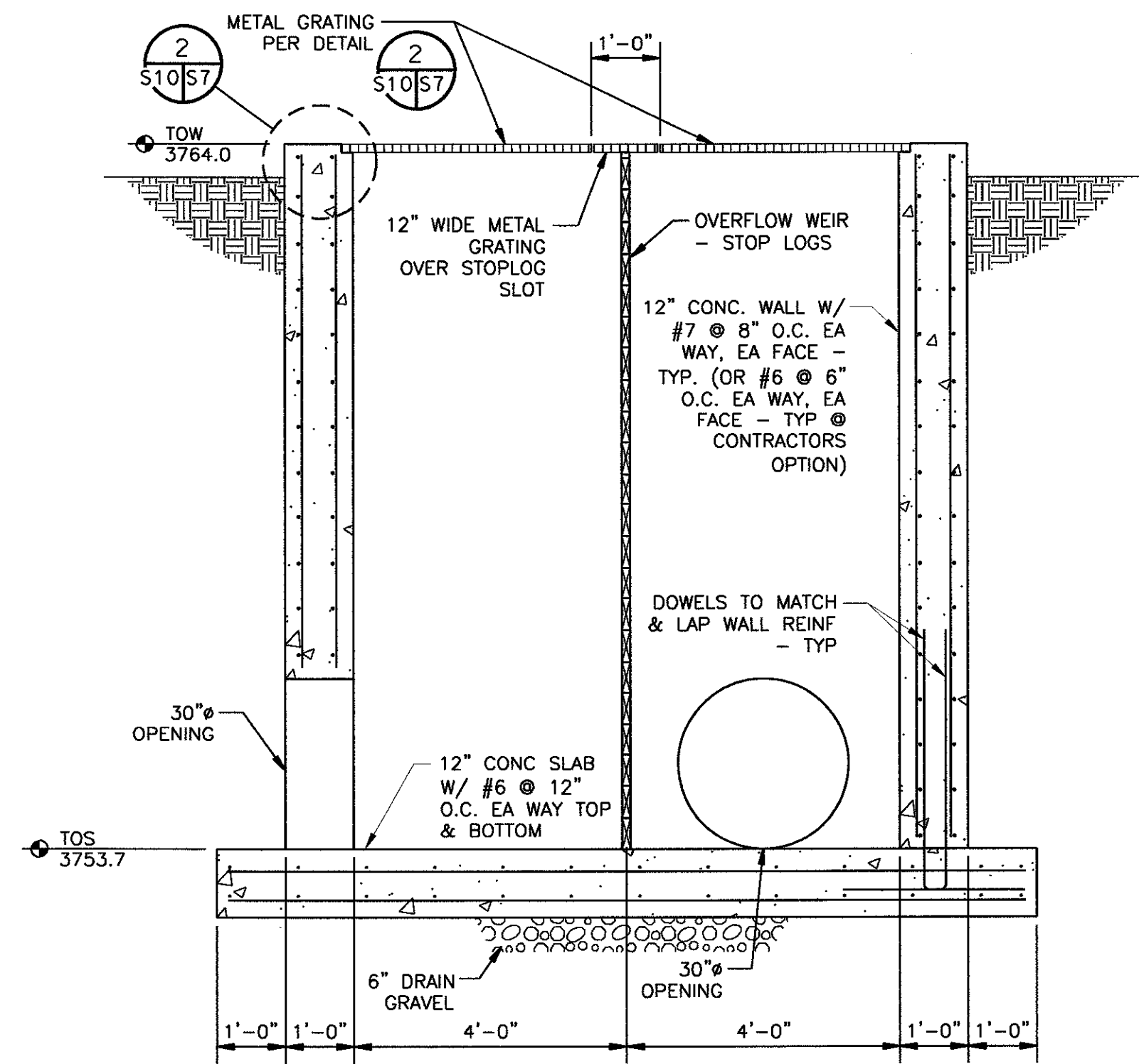
SECTION B
 0 1 2 4 6 FT
 SCALE: 1/2"=1'-0"



SECTION C
 0 1 2 4 6 FT
 SCALE: 1/2"=1'-0"

NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-9.dwg							
Design	S. McLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	M. McMILLEN	SEDIMENTATION POND SECTIONS					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
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Appr							
Date							

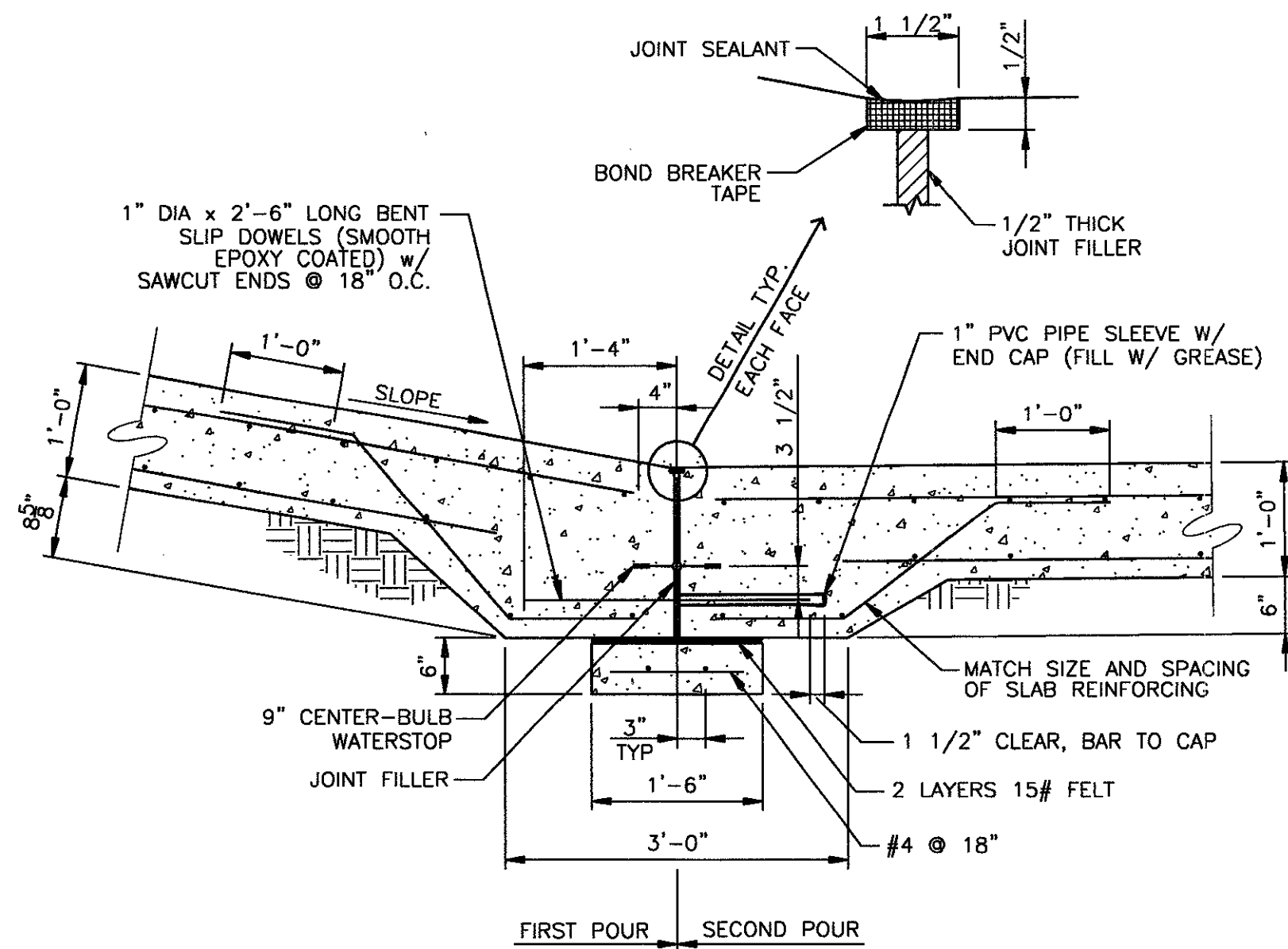




SECTION D S8S10

0 1 2 4 6 FT

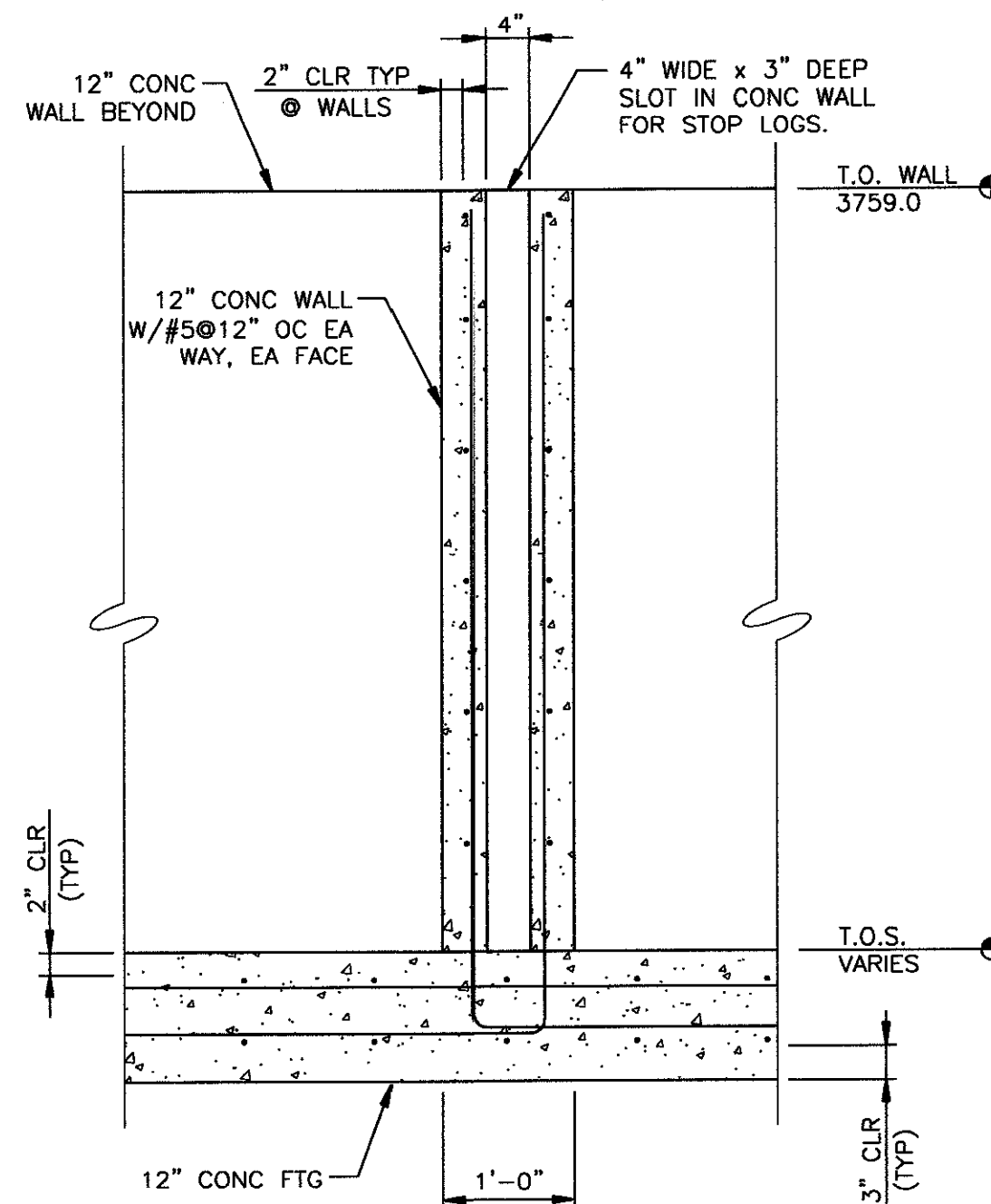
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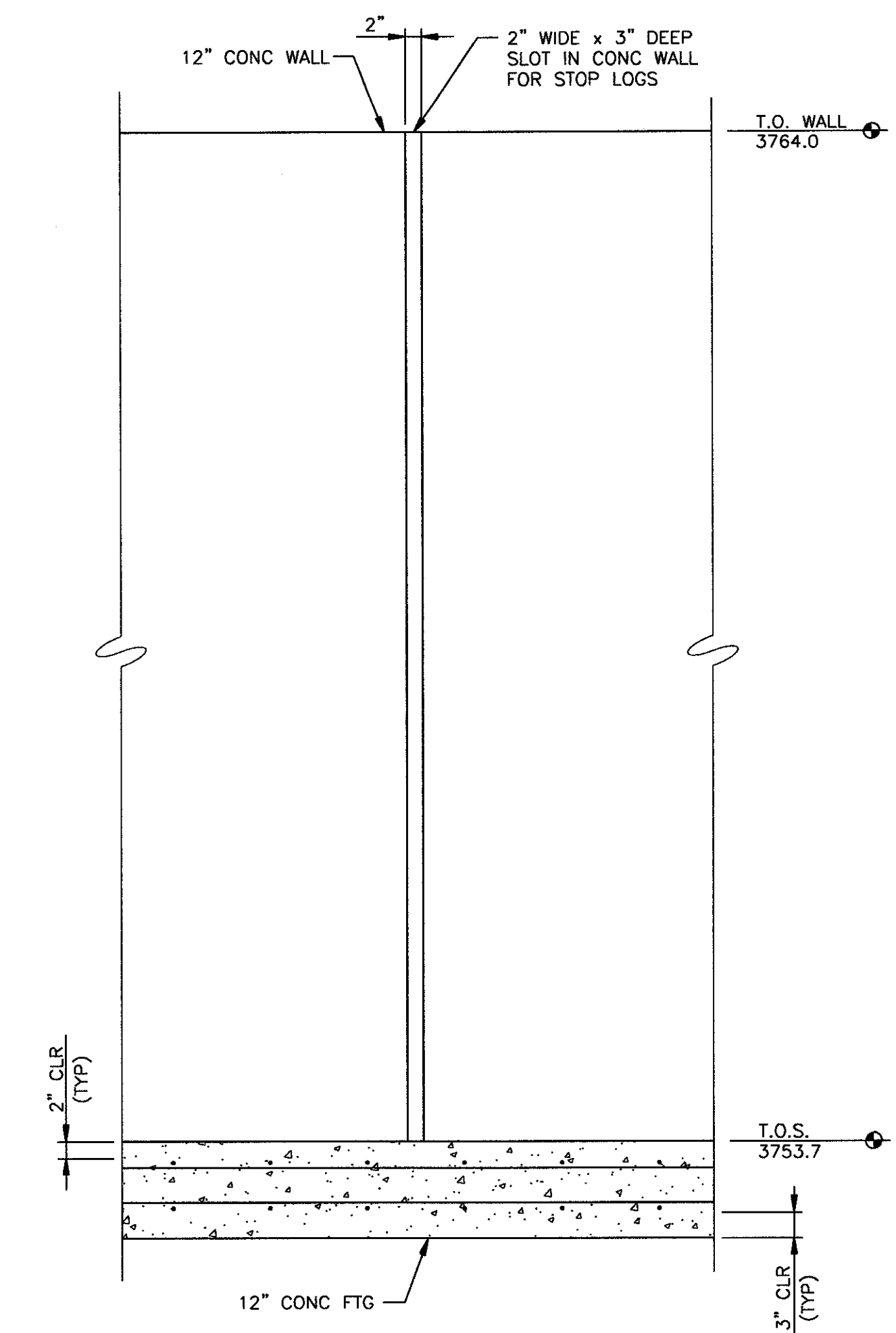
SLOPED SLAB ON GRADE EXPANSION JOINT 1 S8S10

0 1 2 4 FT

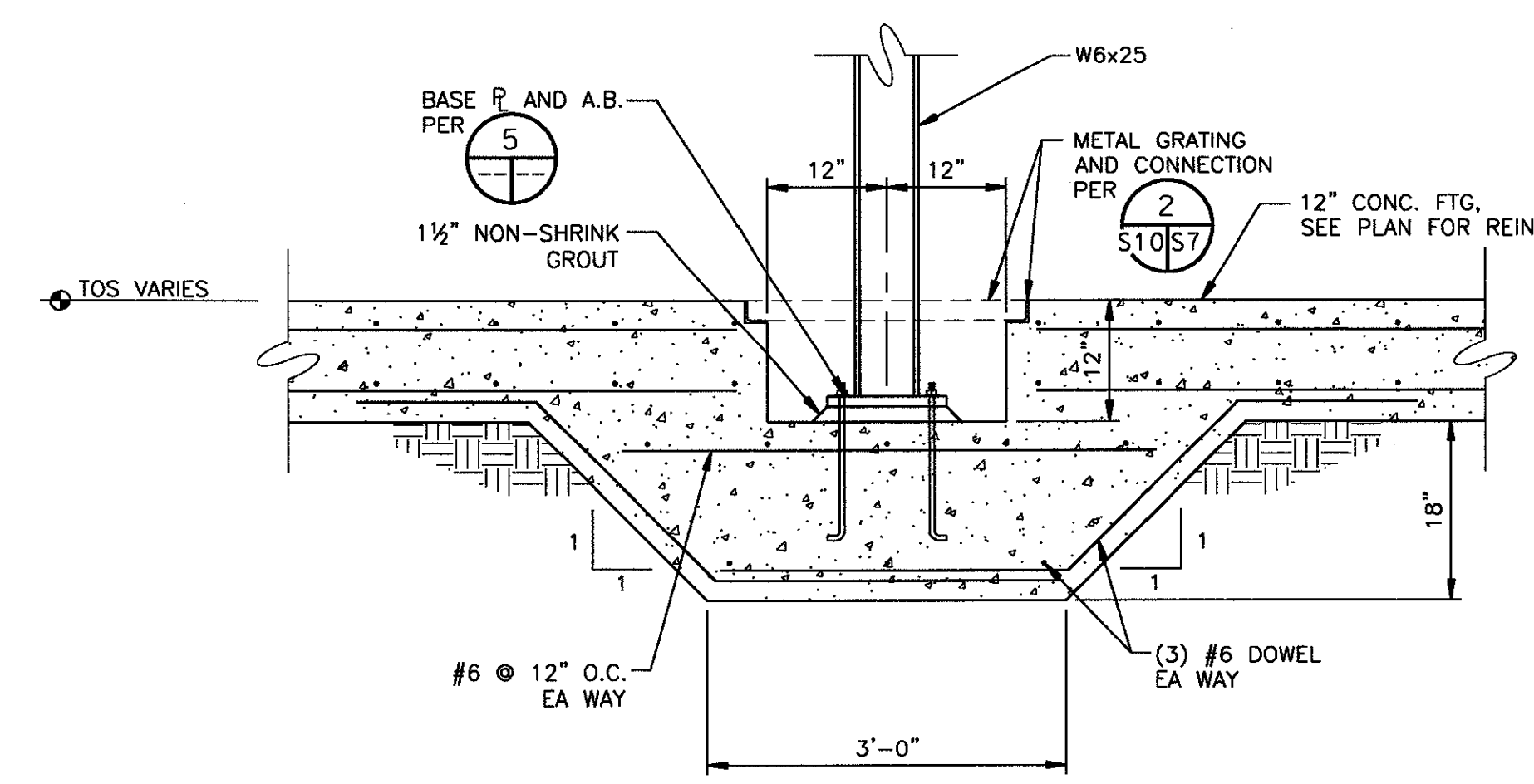
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SECTION VIEW



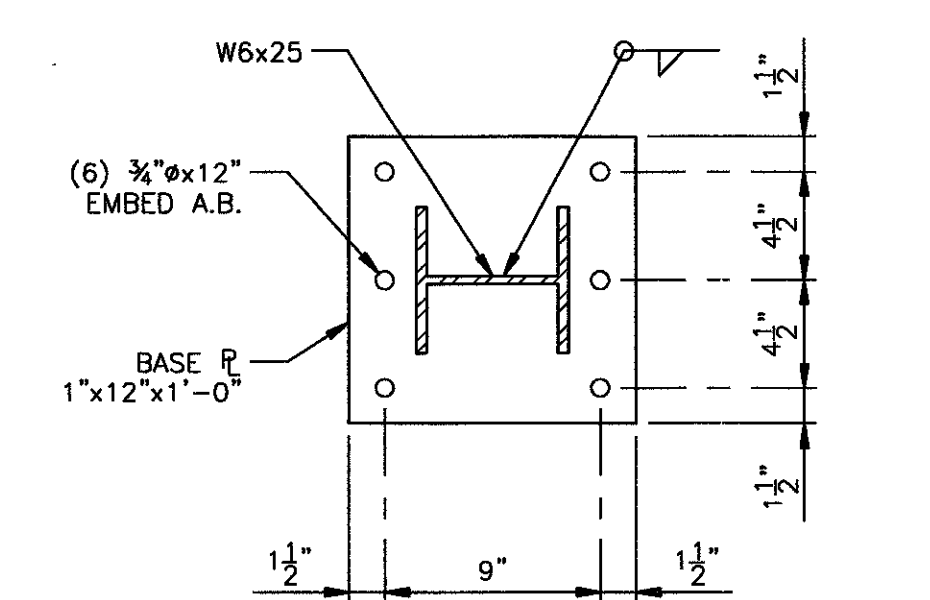
SECTION VIEW



STOP LOG COLUMN 4 S8S10

0 1 2 4 FT

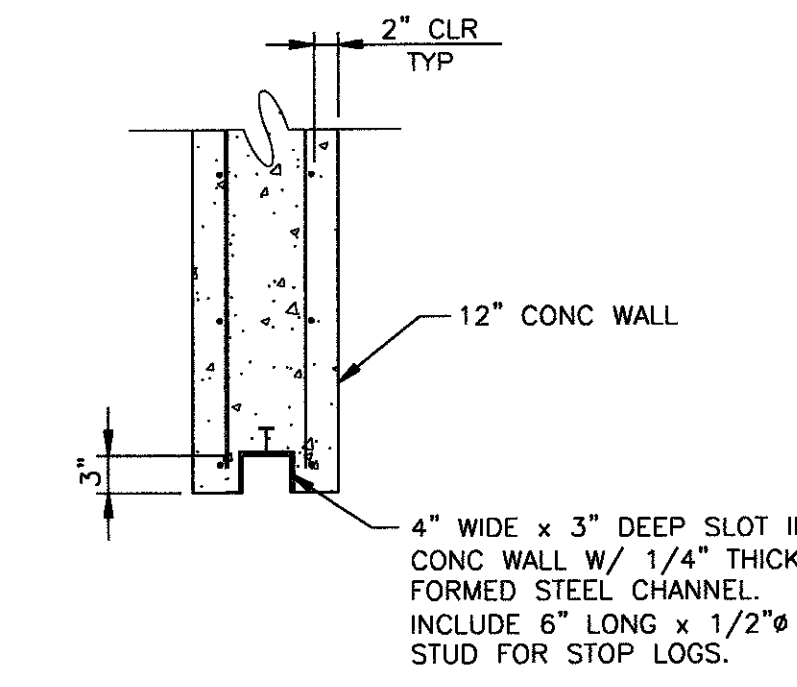
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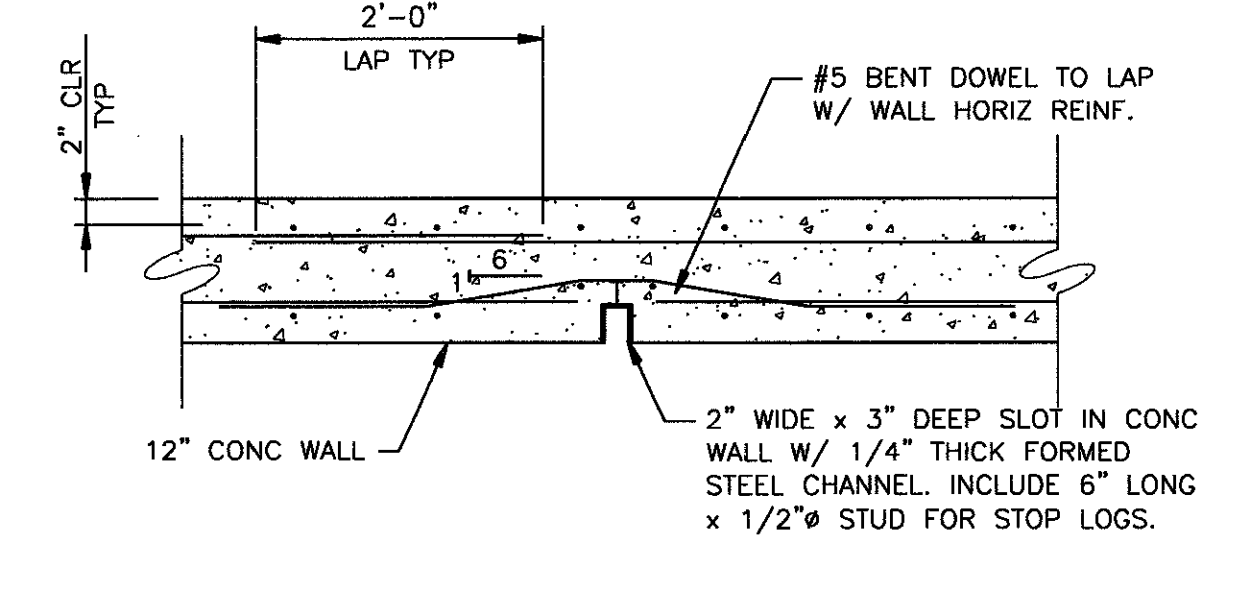
BASE PLATE 5 S10S10

0 1/2 1 2 FT

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



PLAN VIEW



PLAN VIEW

STOP LOG CONNECTION DETAIL 2 S8S10

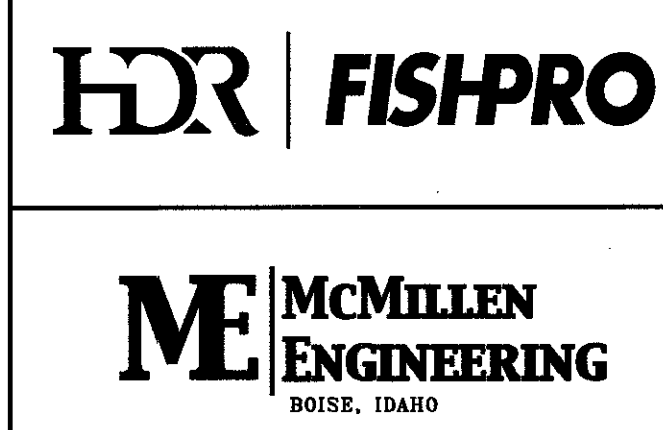
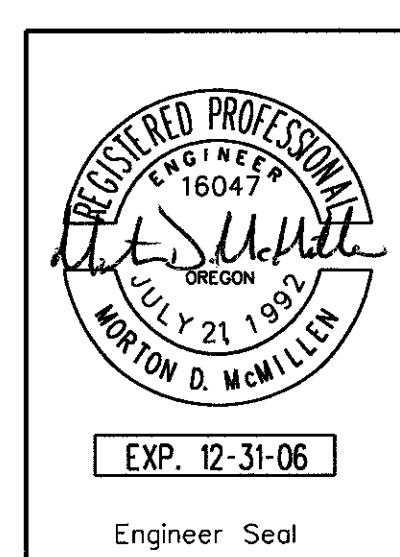
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SCALE: 3/4"=1'-0"

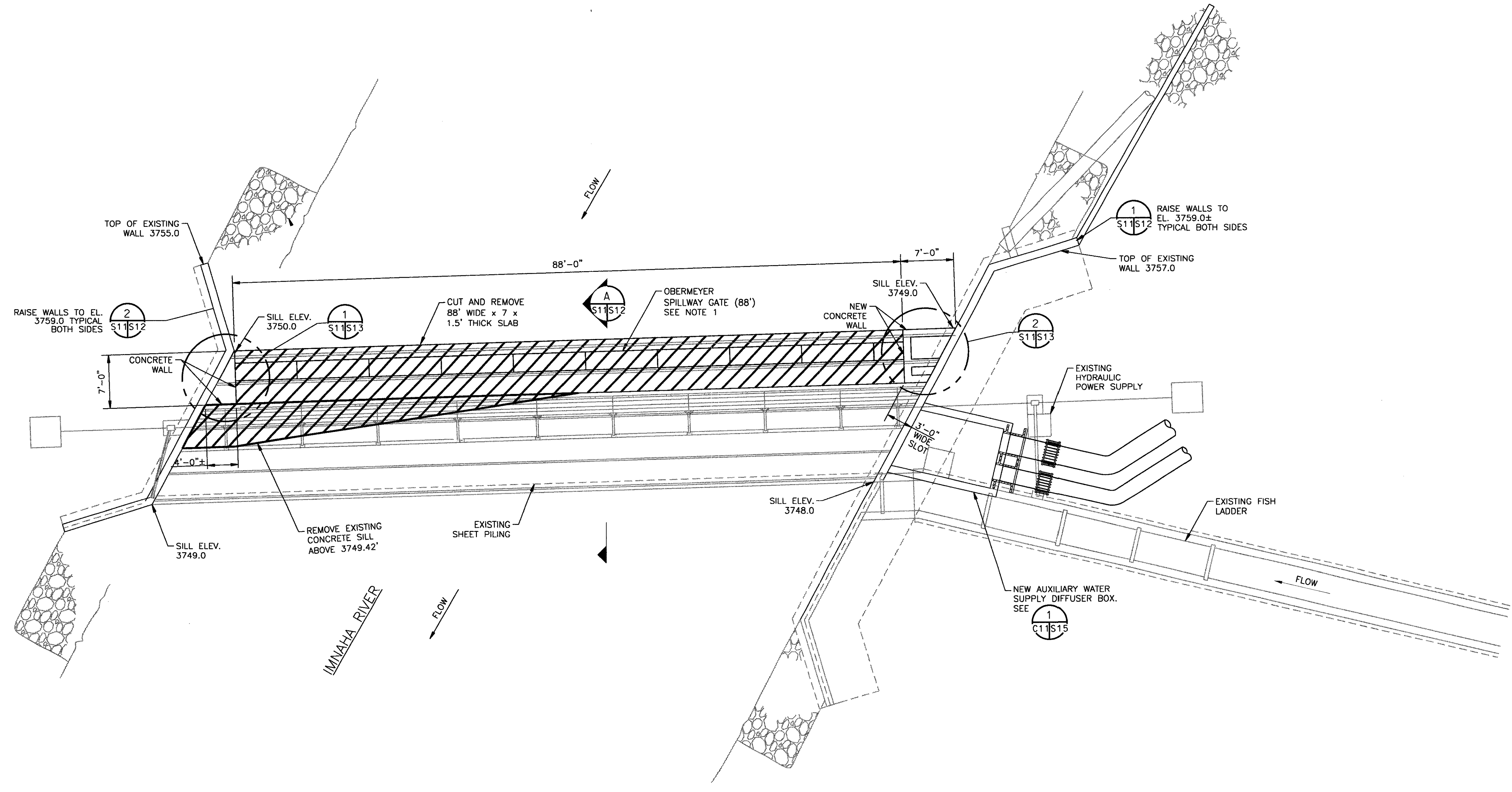
STOP LOG CONNECTION DETAIL 3 S8S10

0 1 2 4 FT

SCALE: 3/4"=1'-0"



NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
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Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	M. McMILLEN	SEDIMENTATION POND SECTION AND DETAILS					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Rec				S10	OF		
Appr							
Date							

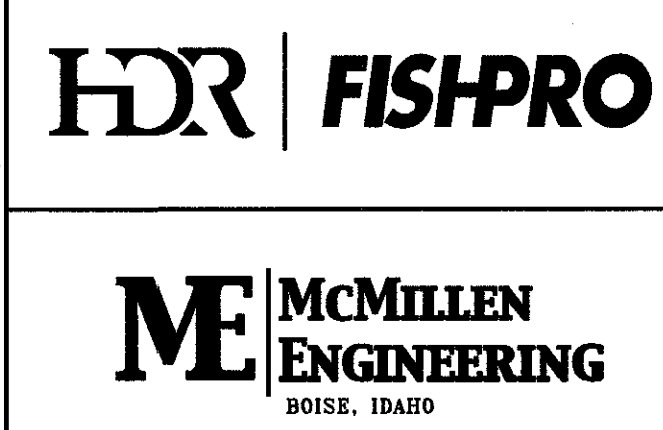
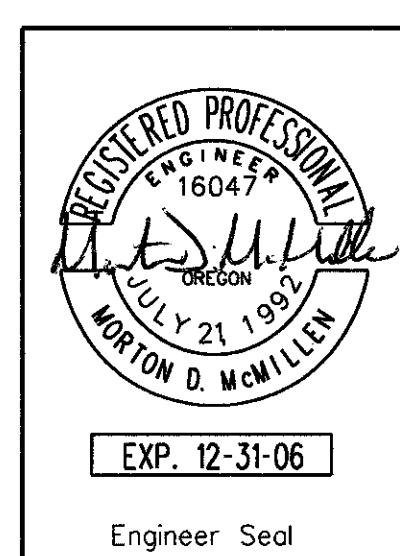


PLAN

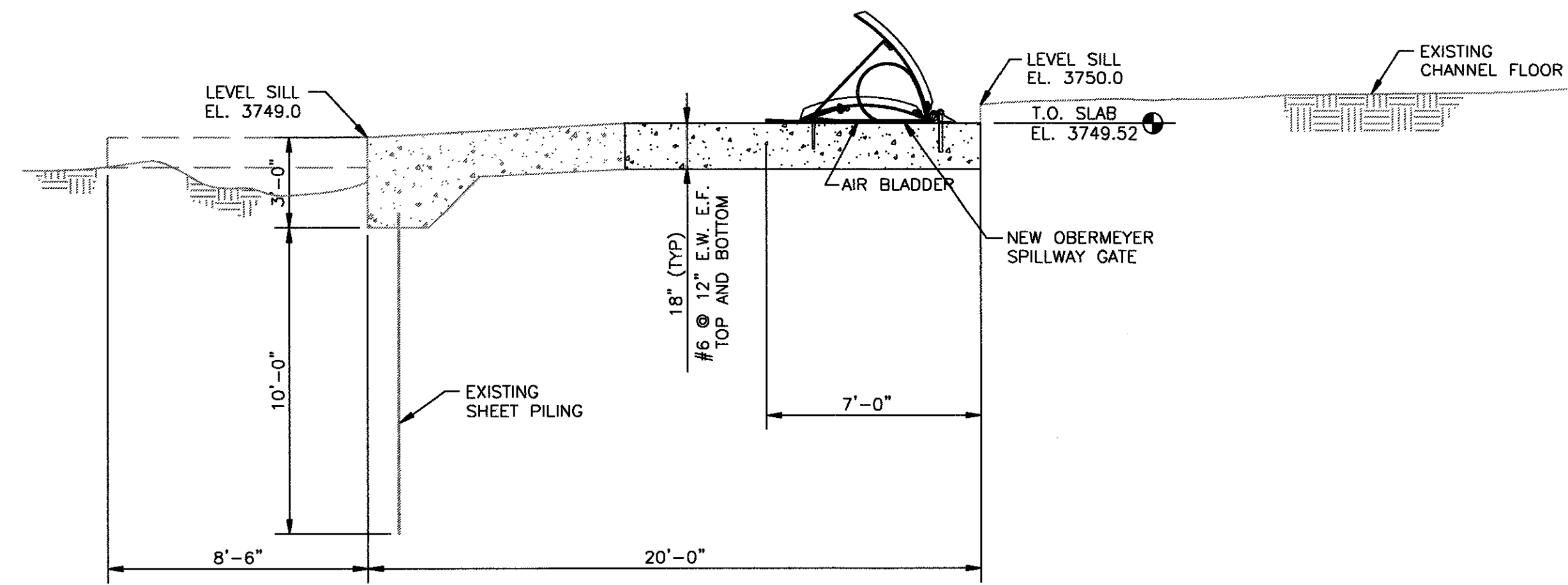
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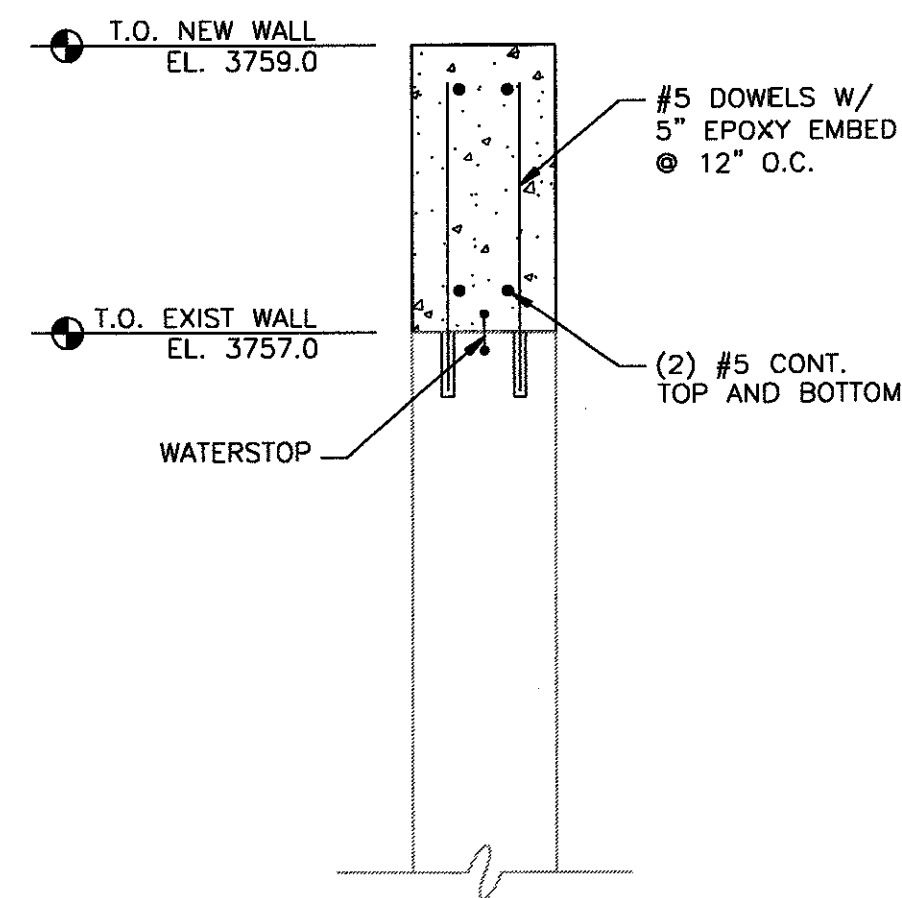
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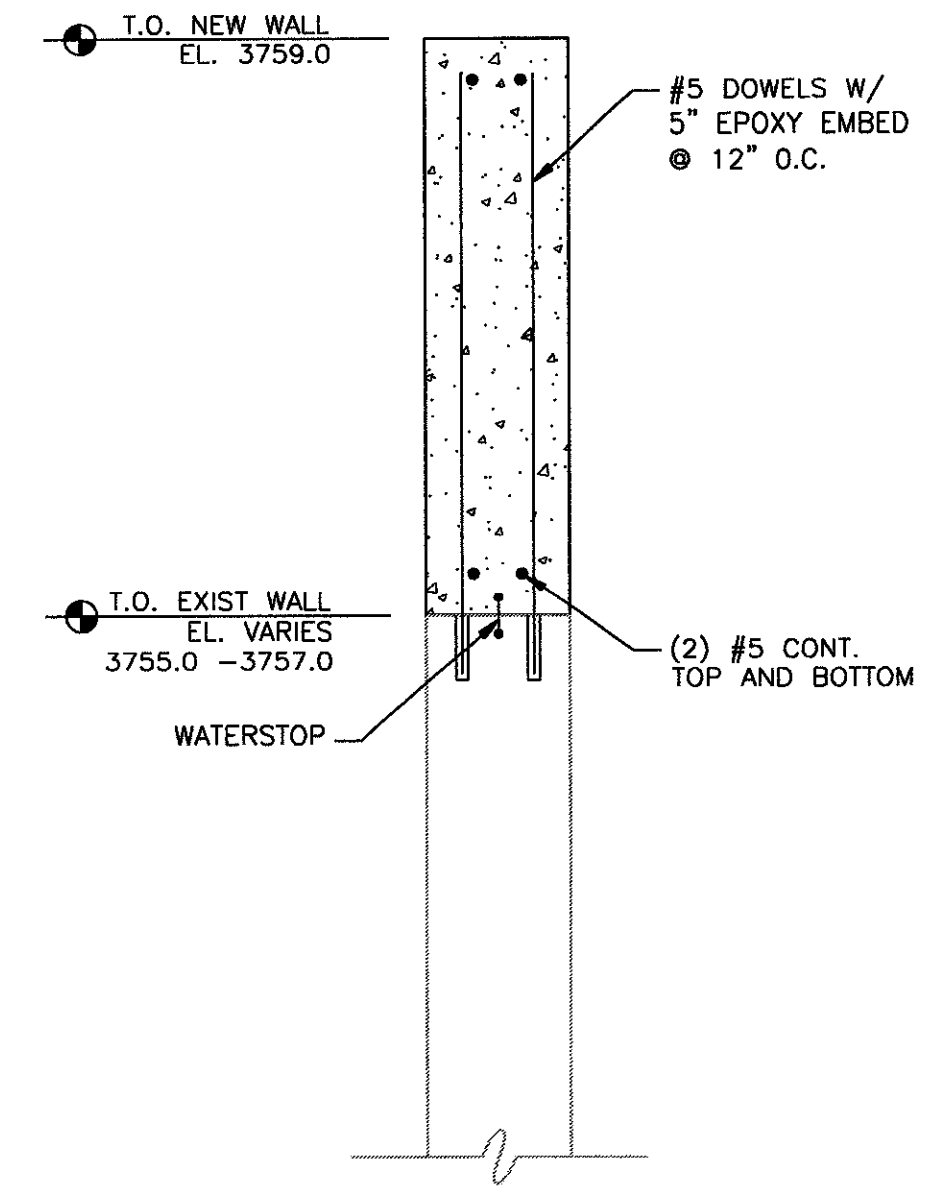
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Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	EED	FISH BARRIER AND LADDER PLAN					
Sub	---	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Rec	---	---	---	S11	--OF--	---	
Rec	---						
Appr	---						
Date	---						



SECTION
 0 4 8 12 FT
 SCALE: 1/4"=1'-0"



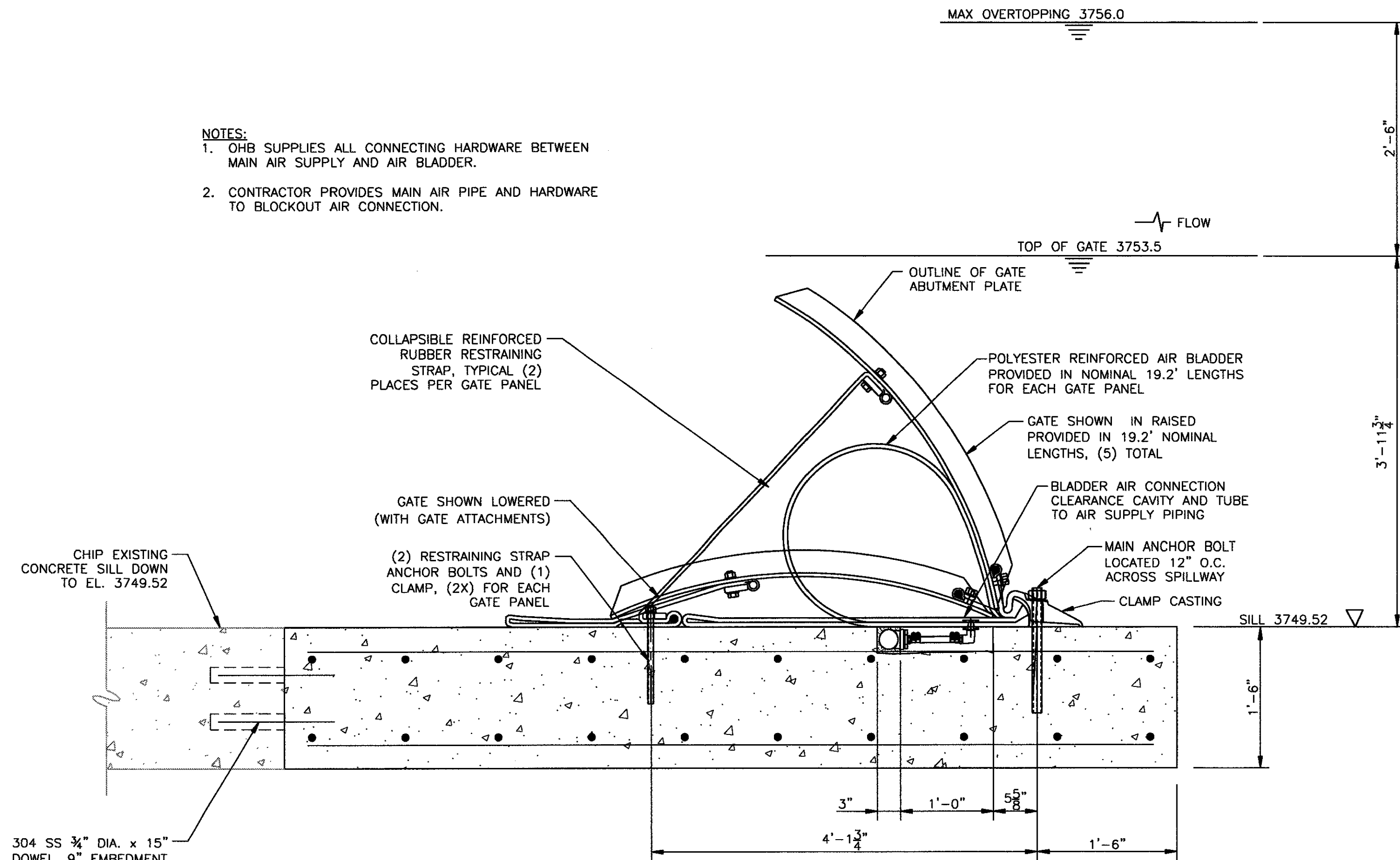
DETAIL 1
 0 1 2 4 FT
 SCALE: 3/4"=1'-0"



DETAIL 2
 0 1 2 4 FT
 SCALE: 3/4"=1'-0"

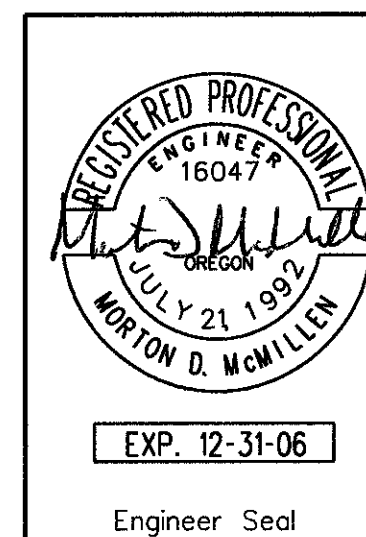
NOTES:

- OHB SUPPLIES ALL CONNECTING HARDWARE BETWEEN MAIN AIR SUPPLY AND AIR BLADDER.
- CONTRACTOR PROVIDES MAIN AIR PIPE AND HARDWARE TO BLOCKOUT AIR CONNECTION.

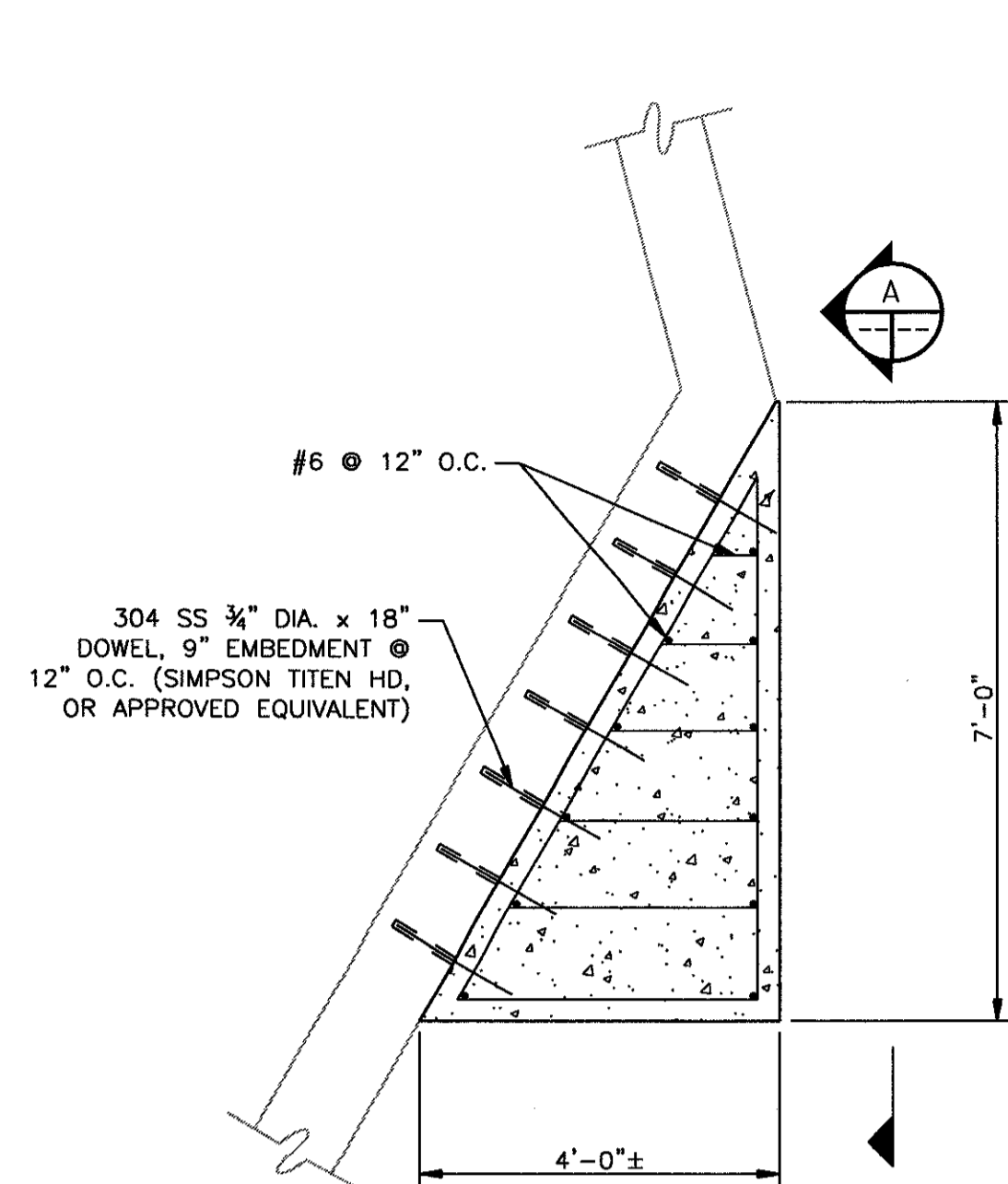


OBERMEYER GATE
 0 1 2 3 FT
 SCALE: 1"=1'-0"

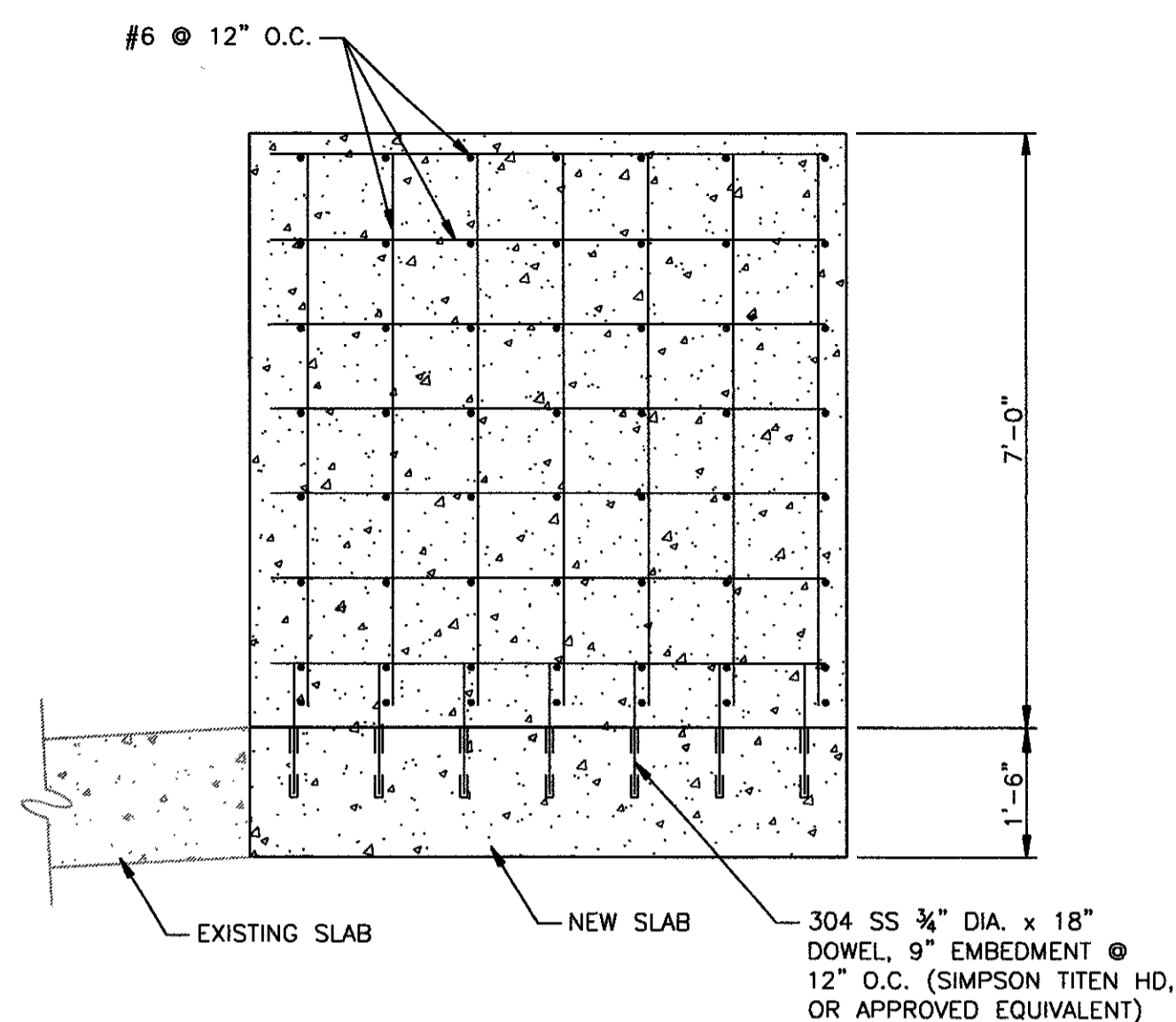
304 SS 3/4" DIA. x 15" DOWEL, 9" EMBEDMENT TOP AND BOTTOM @ 12" O.C. (SIMPSON XXXXX, OR APPROVED EQUIVALENT)



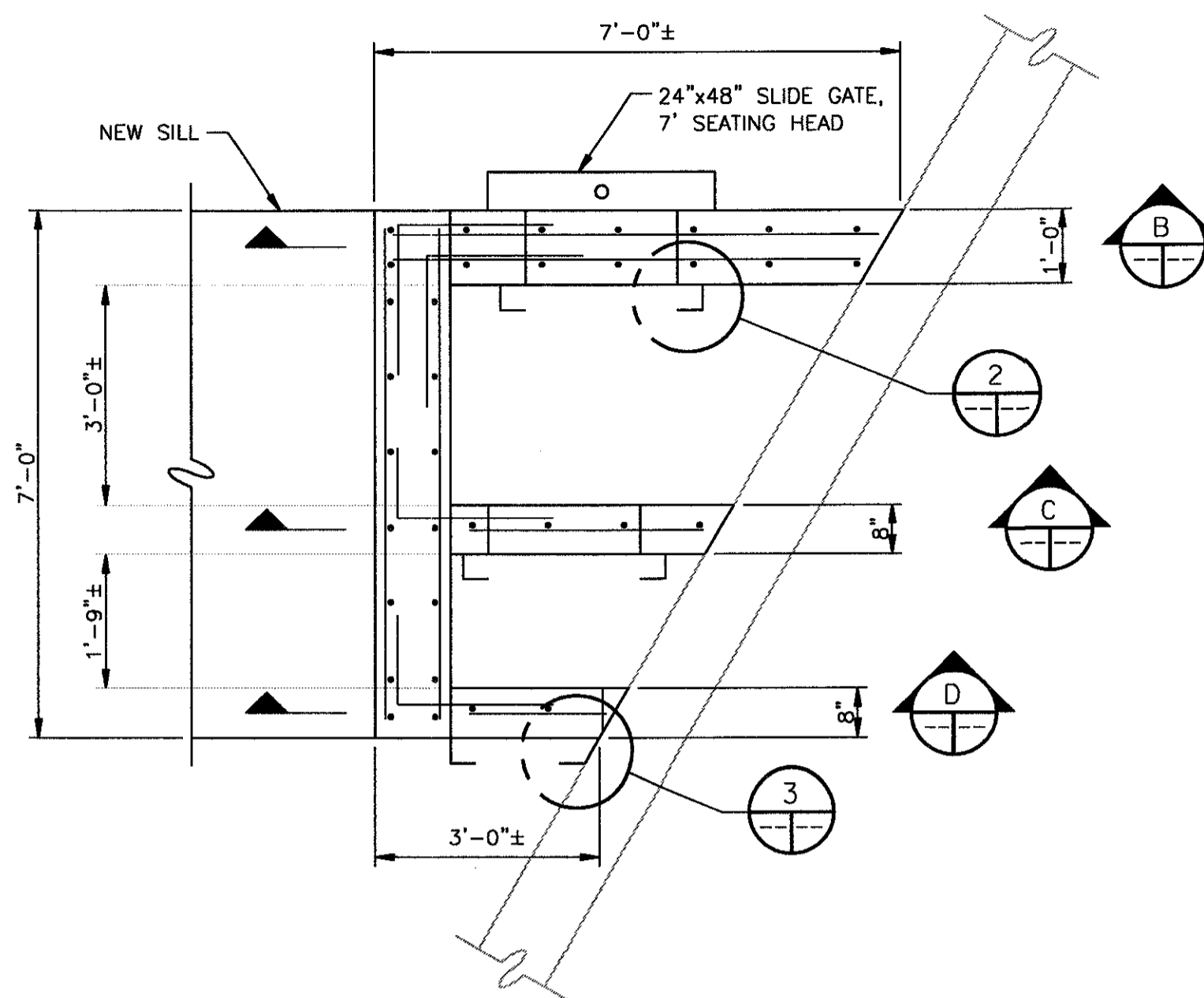
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-12.dwg							
Design	M. McMILLEN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
Chkd	S. SPICKELMIER	FISH BARRIER SECTION AND DETAILS					
Sub	---						
Rec	---						
Rec	---						
Appr	---						
Date	---	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
				S12	--OF--		



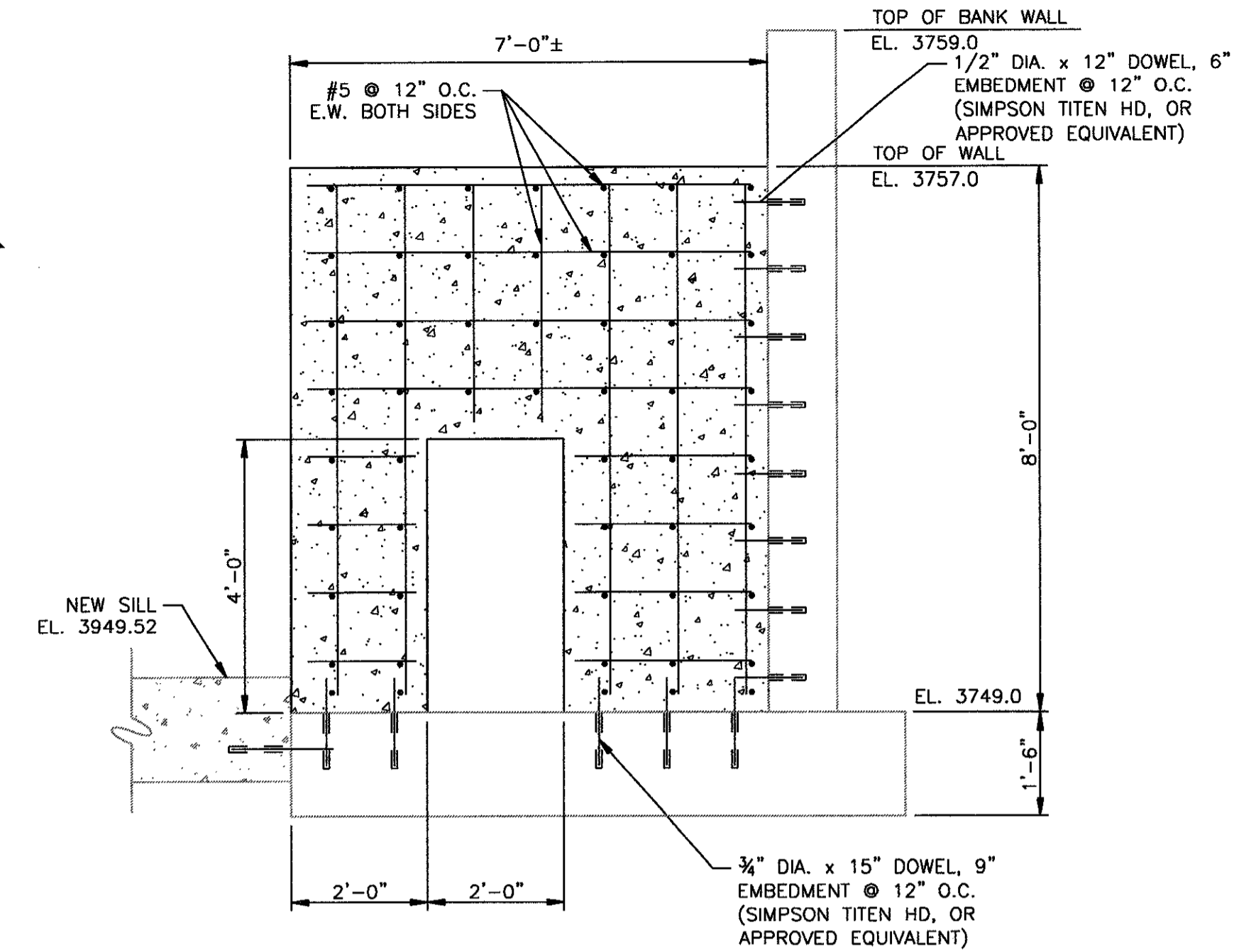
DETAIL 1
SCALE: 1/2"=1'-0"
0 1 2 4 6 FT S11 S13



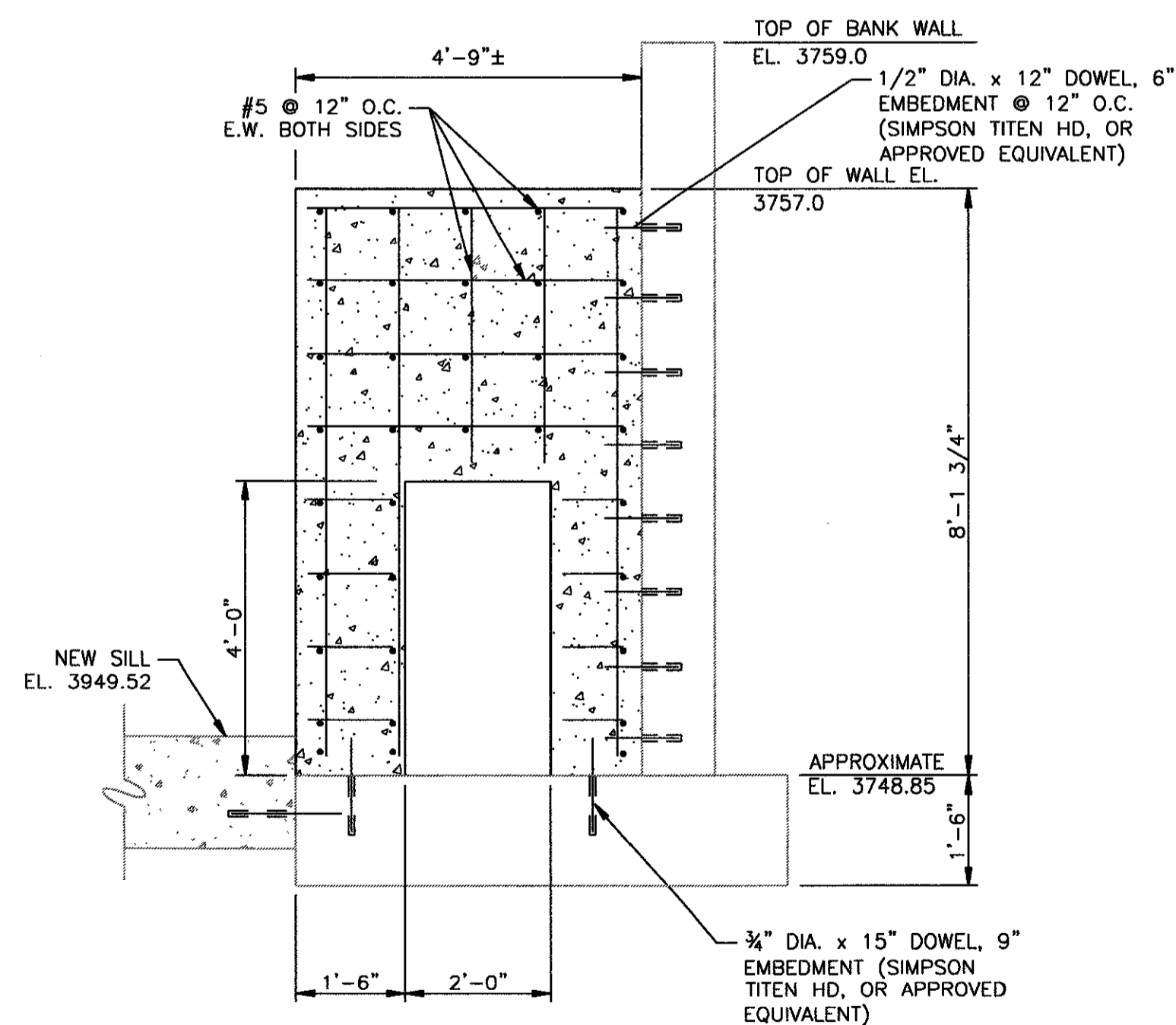
SECTION A
SCALE: 1/2"=1'-0"
0 1 2 4 6 FT S11 S13



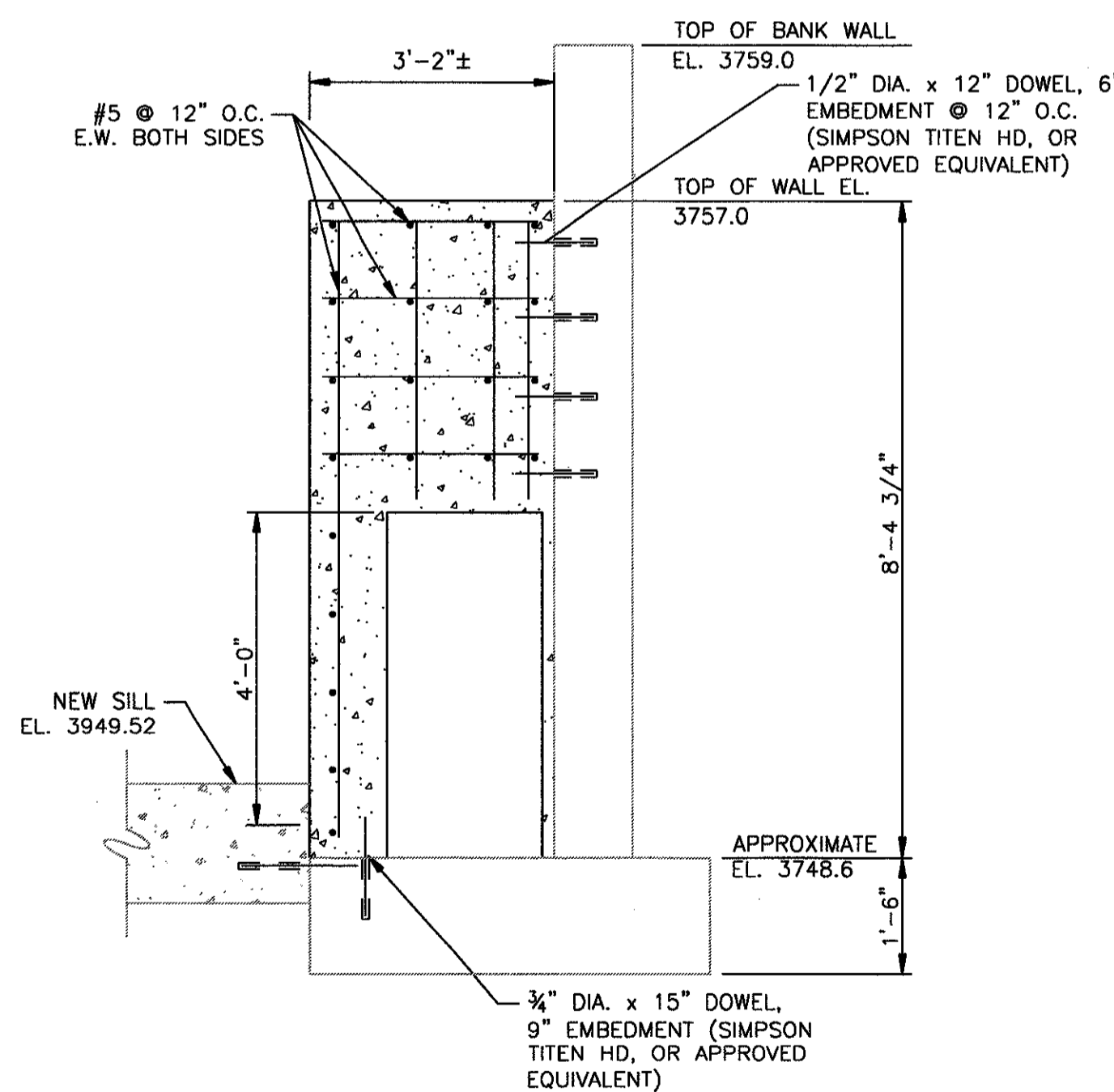
DETAIL 2
SCALE: 1/2"=1'-0"
0 1 2 4 6 FT S11 S13



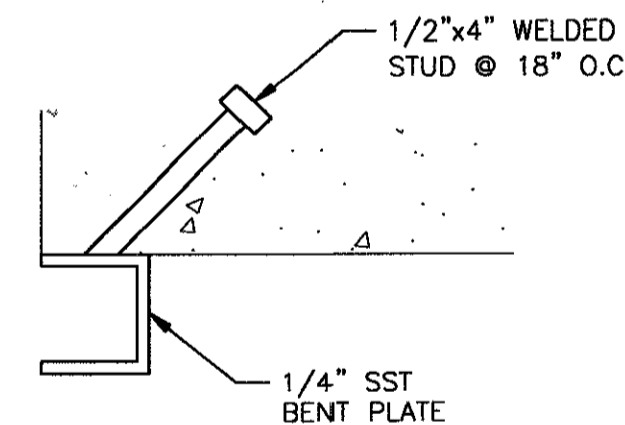
SECTION B
SCALE: 1/2"=1'-0"
0 1 2 4 6 FT S11 S13



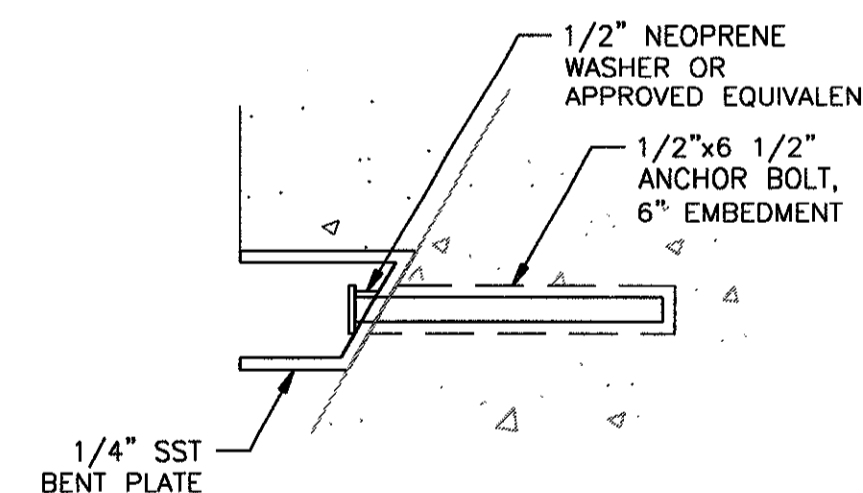
SECTION C
SCALE: 1/2"=1'-0"
0 1 2 4 6 FT S11 S13



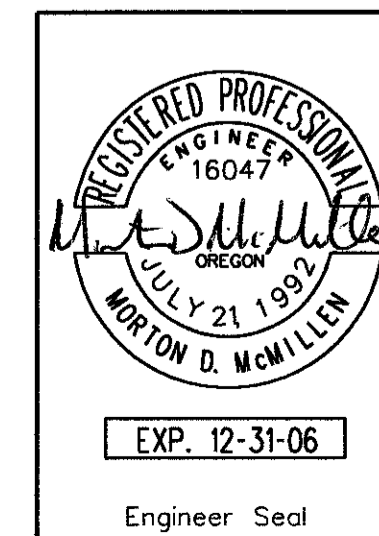
SECTION D
SCALE: 1/2"=1'-0"
0 1 2 4 6 FT S11 S13



DETAIL 2
SCALE: 3"=1'-0"
0 1/4 1/2 1 FT S11 S13



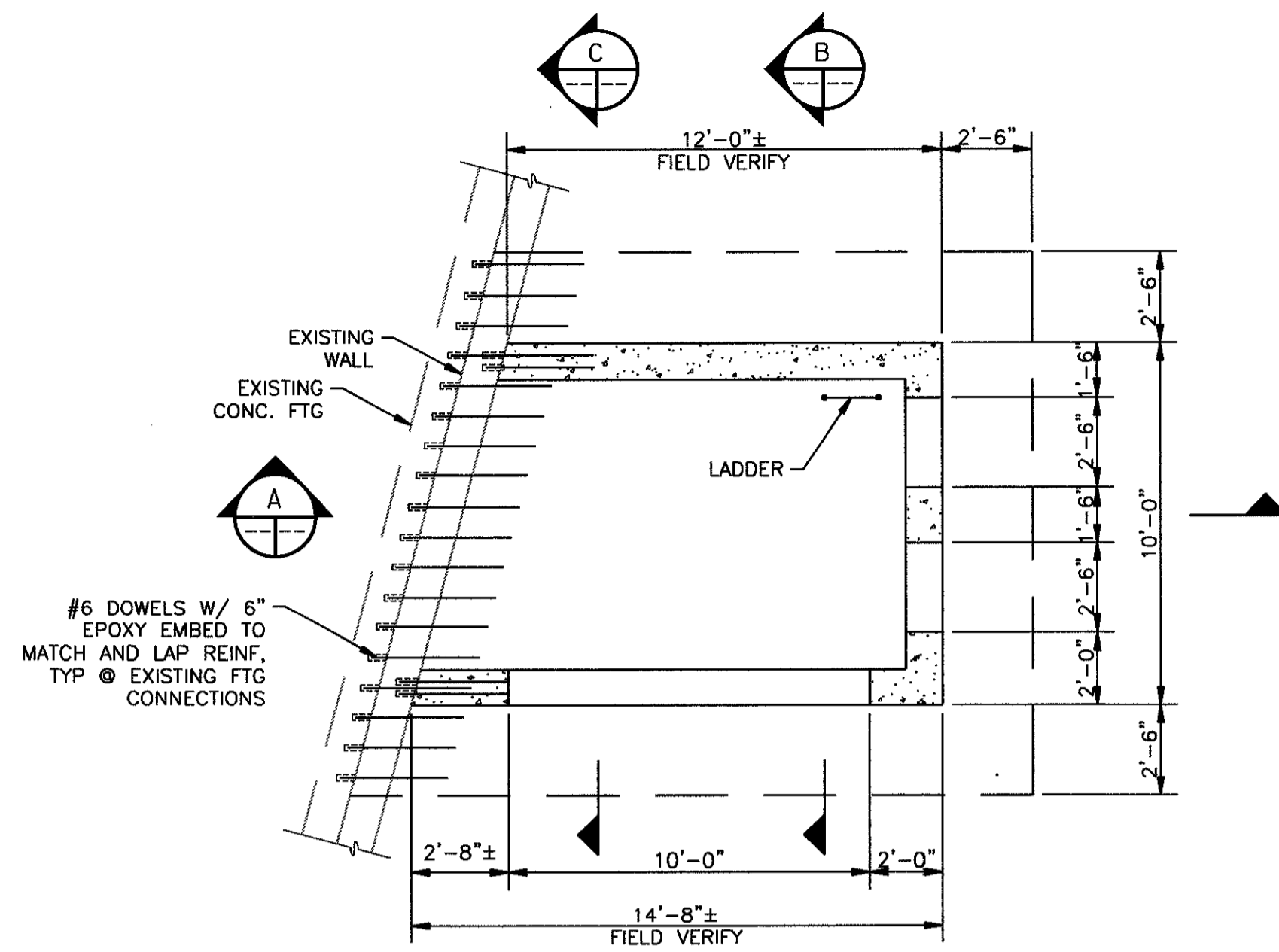
DETAIL 3
SCALE: 3"=1'-0"
0 1/4 1/2 1 FT S11 S13



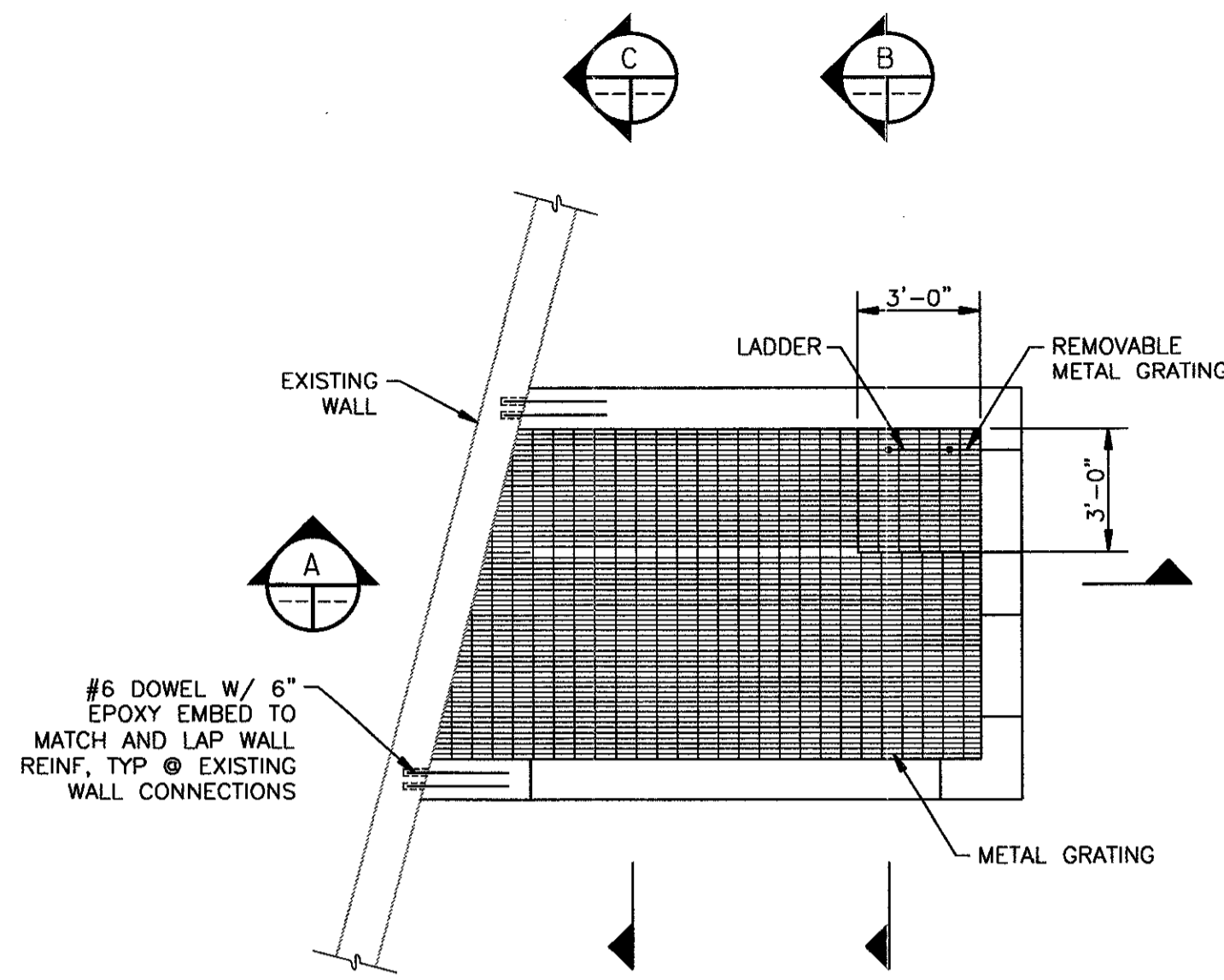
HDR | FISHPRO

McMILLEN ENGINEERING
BOISE, IDAHO

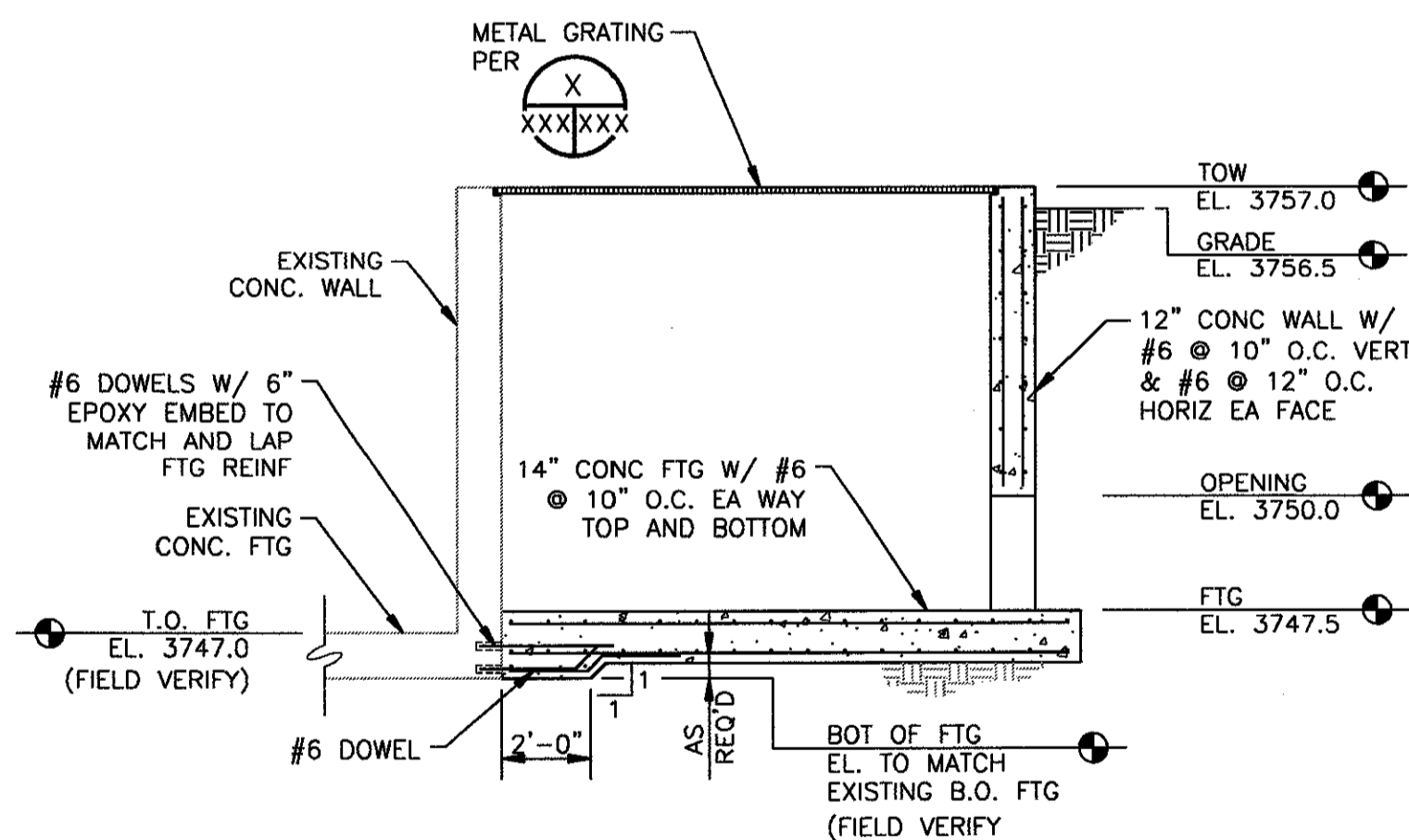
NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-13.dwg					
Design	M. McMILLEN				
Drawn	R. GUERRERO				
Chkd	S. SPICKELMIER				
Sub					
Rec					
Rec					
Appr					
Date					
UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY					
FISH BARRIER DETAILS 1					
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
		S13	OF		



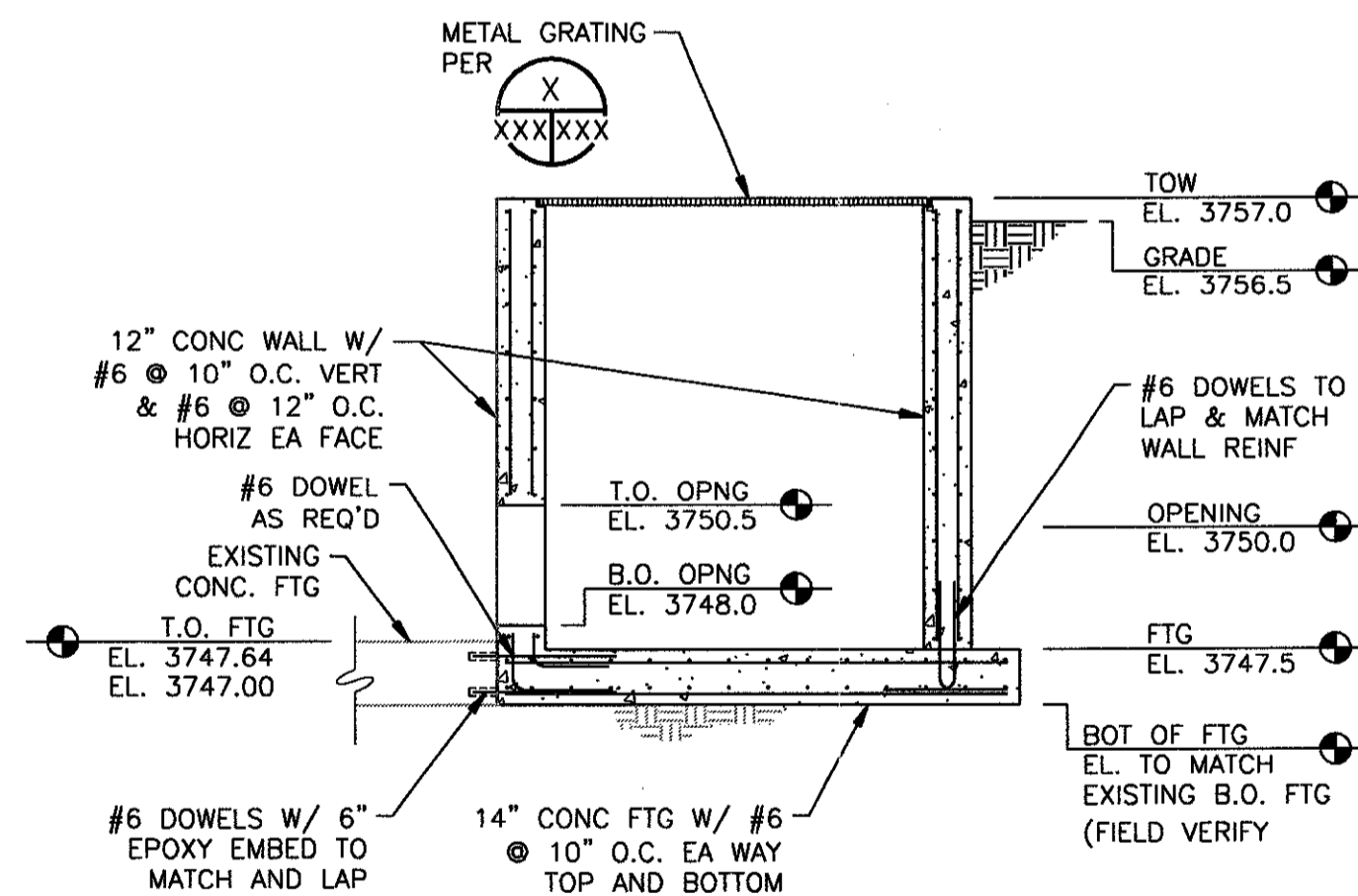
FOUNDATION PLAN (1)
 SCALE: 1/4"=1'-0"
 C6S15



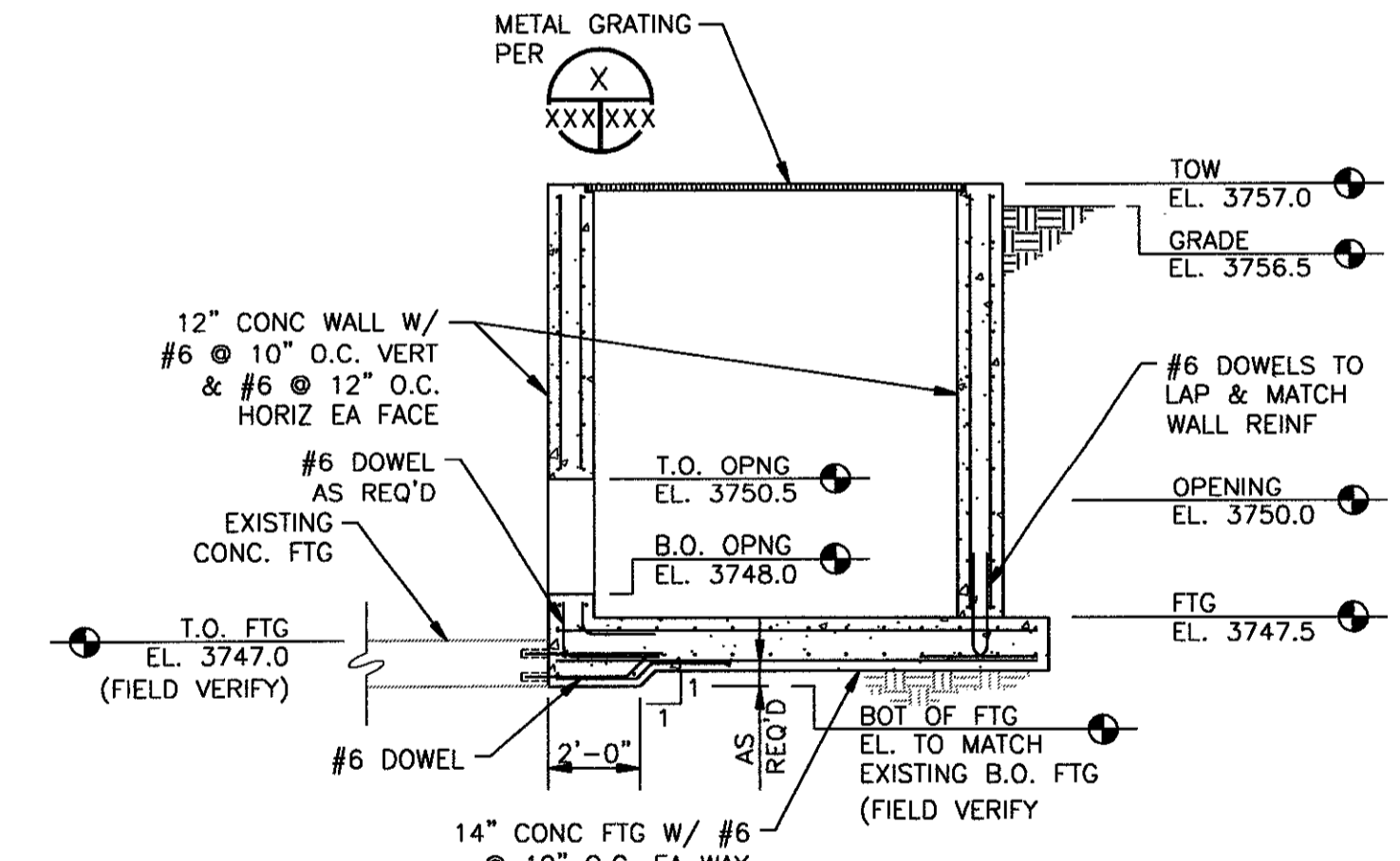
TOP PLAN (1)
 SCALE: 1/4"=1'-0"
 C6S15



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



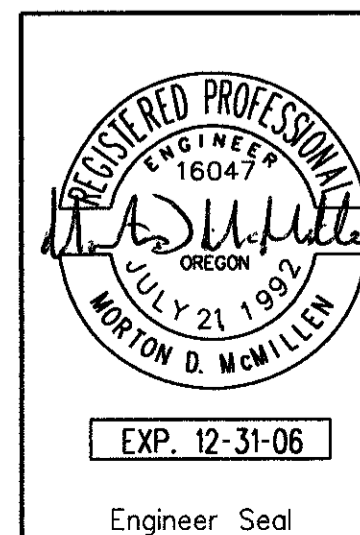
SECTION B
 SCALE: 1/4"=1'-0"

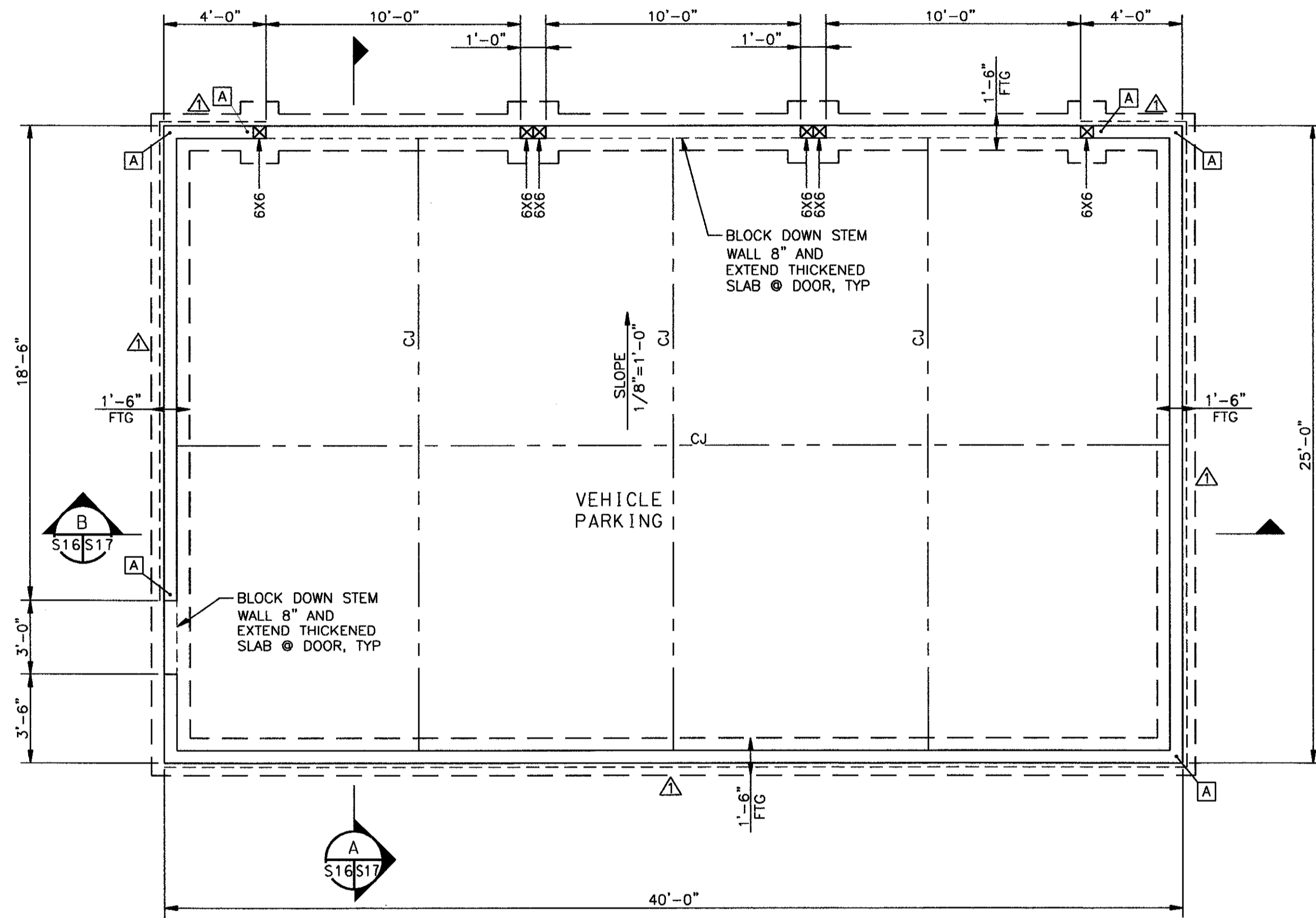


SECTION C
 SCALE: 1/4"=1'-0"

NOTE:
 DEMO EXISTING FOOTING AS REQ'D

NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-15.dwg							
Design	S. McLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY AUXILIARY WATER DIFFUSER BOX PLAN, SECTIONS, AND DETAILS					
Chkd	M. McMILLEN	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Sub				S15	OF		
Rec							
Appr							
Date							





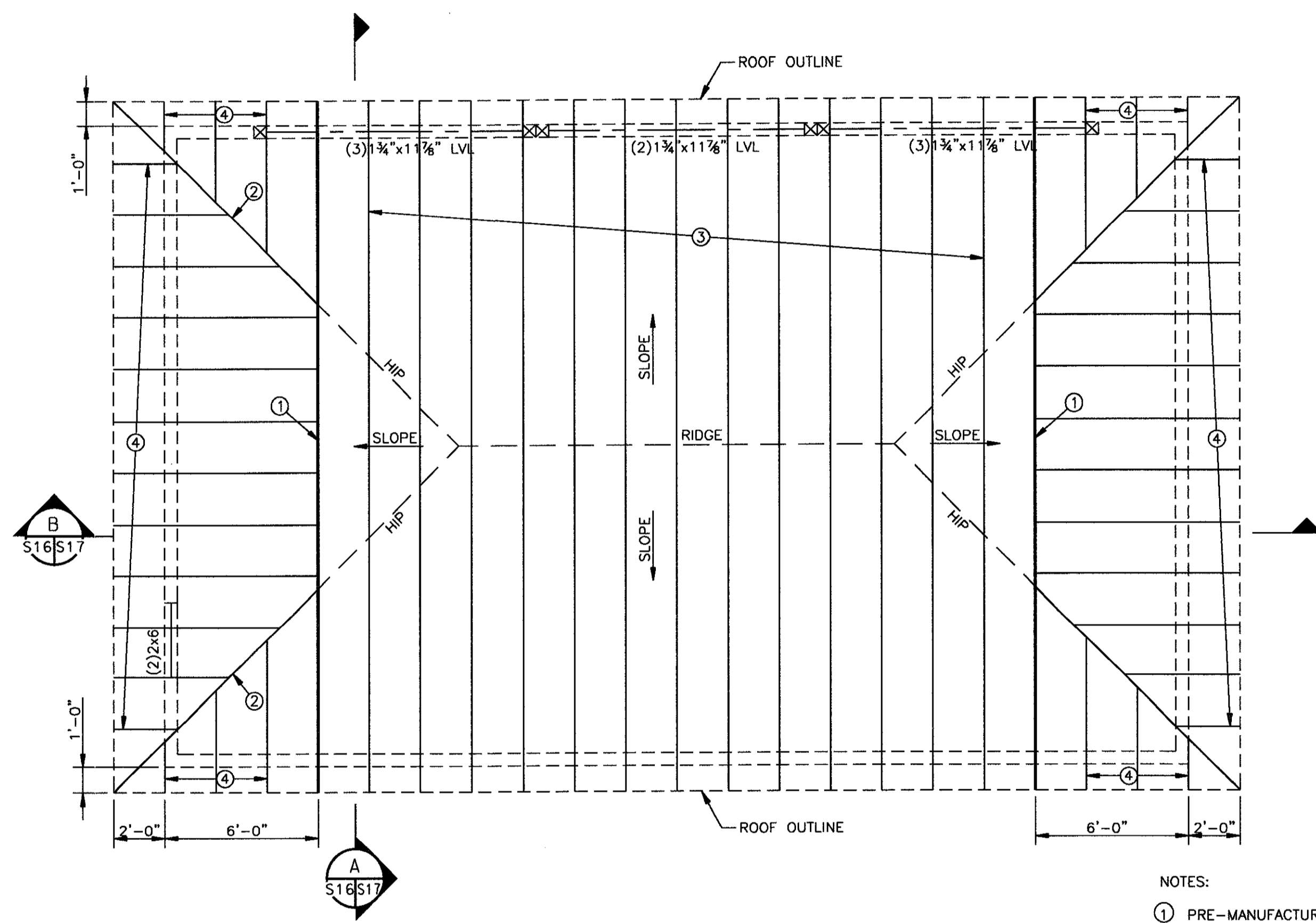
FOUNDATION PLAN



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

NOTES:

1. CJ INDICATES SLAB CONTROL JOINT OR COLD JOINT, SEE GENERAL STRUCTURAL DETAILS.
2. ALL EXTERIOR WALLS ARE 2x6 @ 16" STUD WALLS.
3. [A] INDICATES 'HD2A' HOLD DOWN @ SHEAR WALL ENDS W/ (2) 2x6 STUD COLUMN (MIN) & 5/8"x10" EMBED ANCHOR BOLTS.
4. [triangle] INDICATES 15/32" APA RATED SHTG SHEAR WALL W/ 8d@6" O.C. EDGE NAILING, 8d@12" O.C. FIELD NAILING AND 5/8"x10" EMBED ANCHOR BOLTS @ 48" O.C.



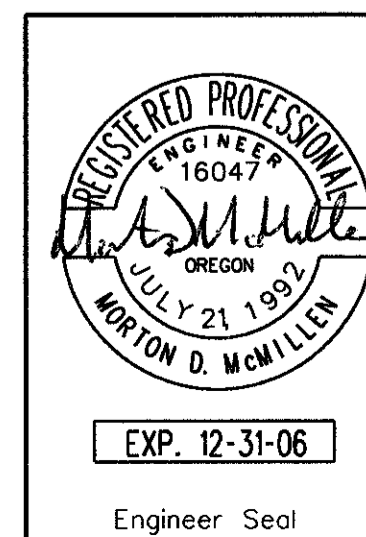
ROOF FRAMING PLAN



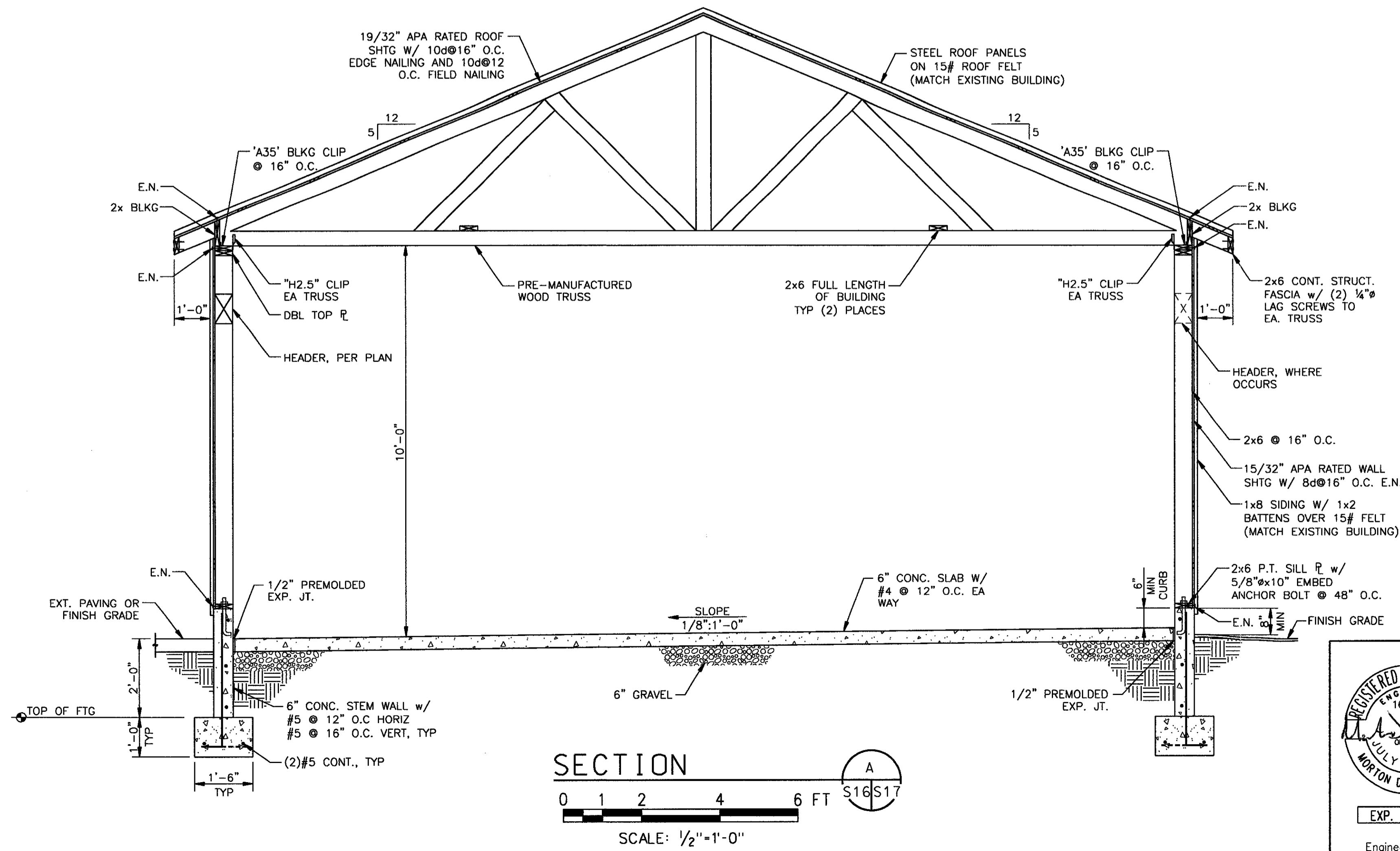
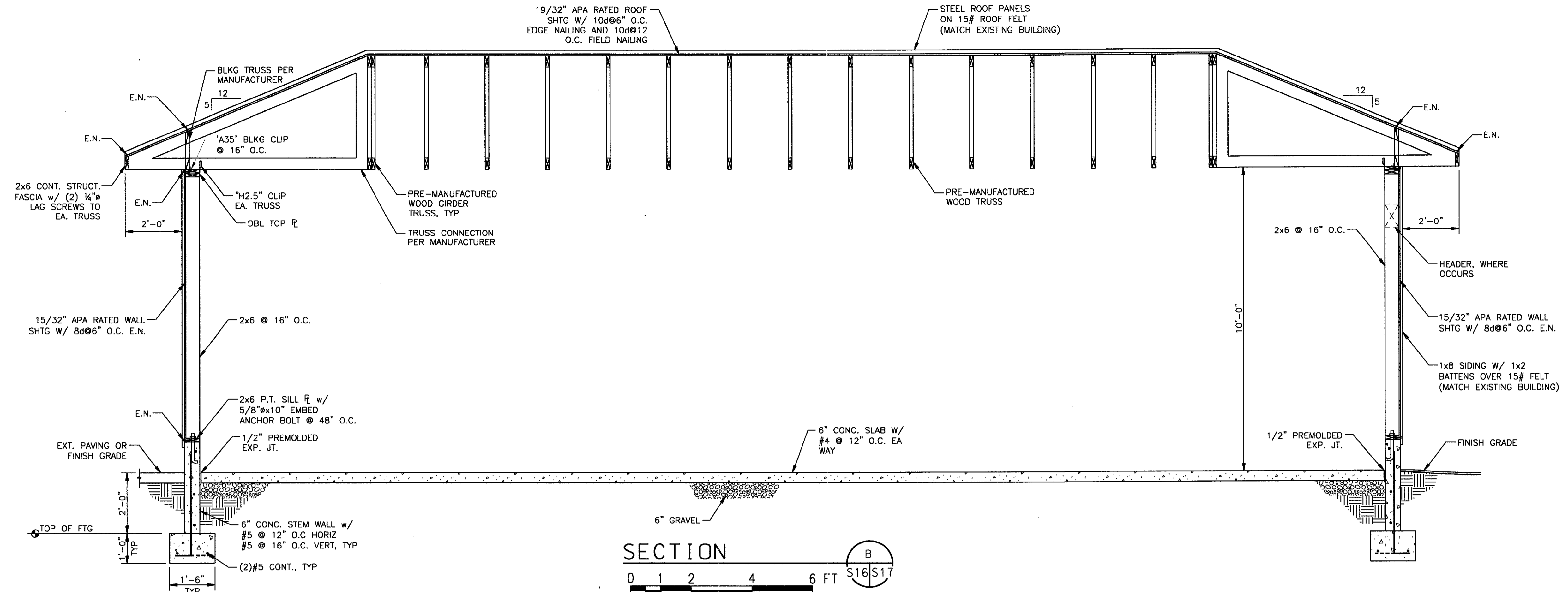
SCALE: 1/4"=1'-0"

NOTES:

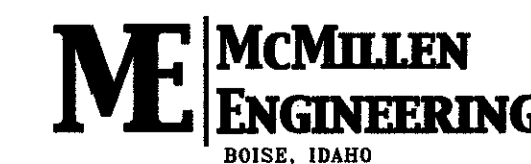
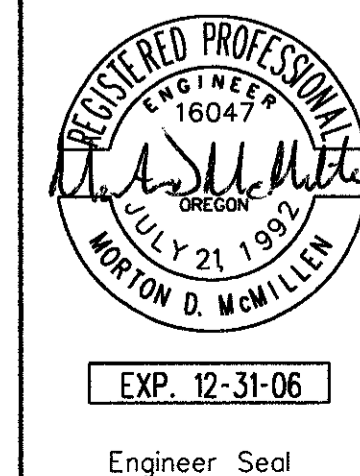
1. PRE-MANUFACTURED WOOD GIRDER TRUSS
2. PRE-MANUFACTURED WOOD HIP TRUSS
3. PRE-MANUFACTURED DBL PITCHED WOOD TRUSSES @ 24" O.C.
4. PRE-MANUFACTURED MONO PITCHED WOOD JACK TRUSSES @ 24" O.C.

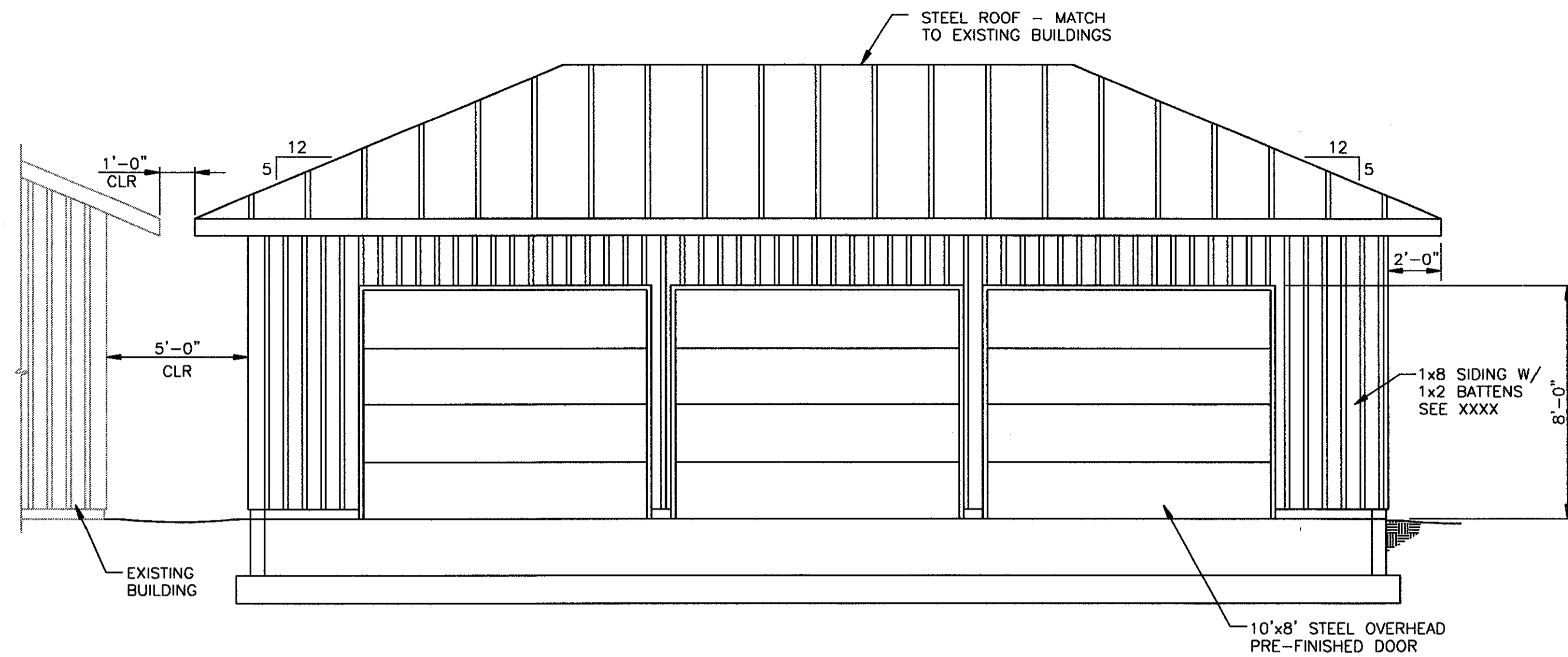


NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-16.dwg							
Design	S. McCLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY VEHICLE PARKING STRUCTURE					
Chkd	M. McMILLEN	FOUNDATION PLAN AND ROOF FRAMING PLAN					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Rec				S16	OF		
Rec							
Appr							
Date							

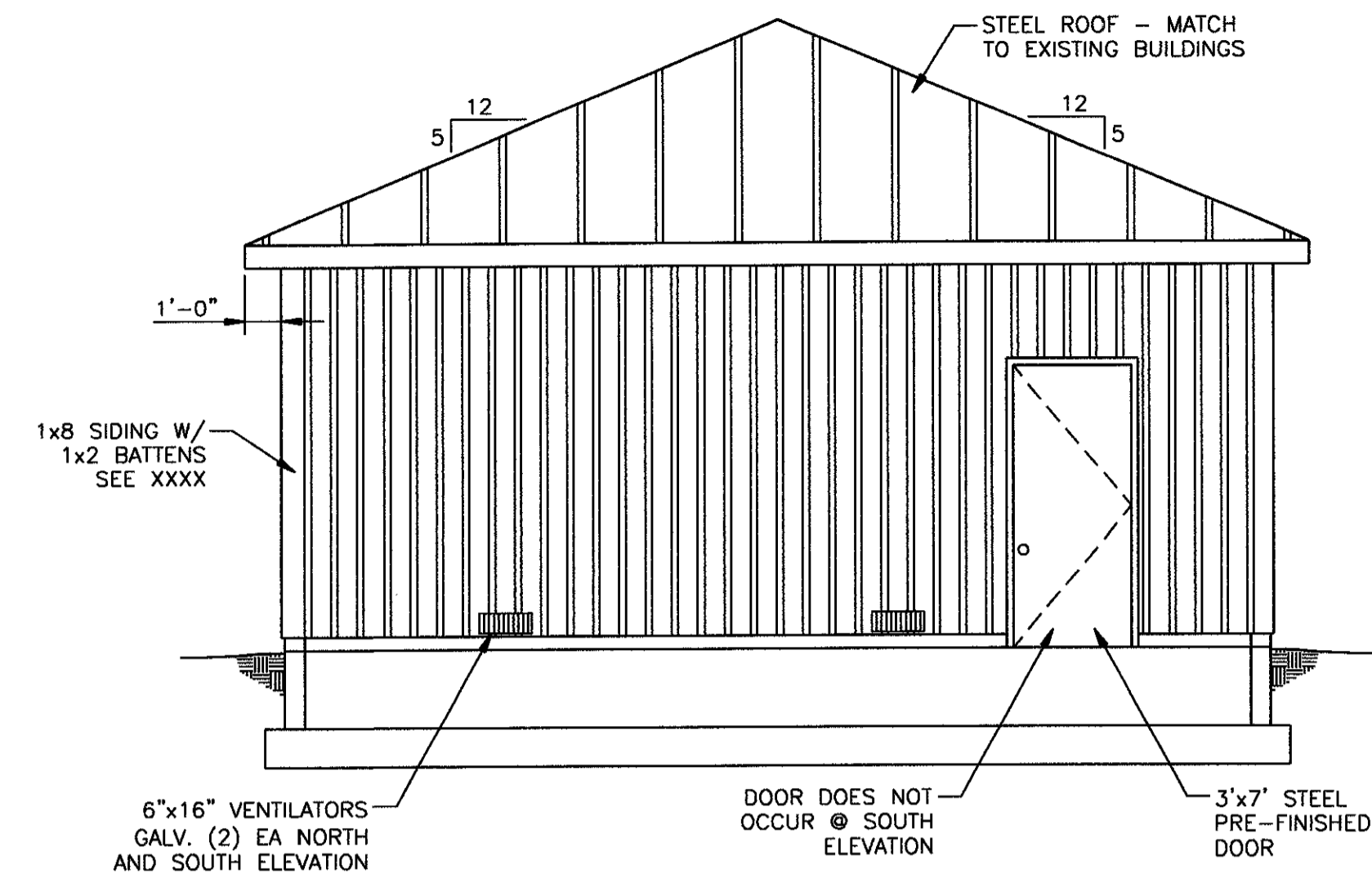


NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-17.dwg							
Design	S. McCLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	R. GUERRERO	NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY VEHICLE PARKING STRUCTURE					
Chkd	M. McMILLEN	BUILDING SECTIONS					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Rec				S17	OF		
Appr							
Date							

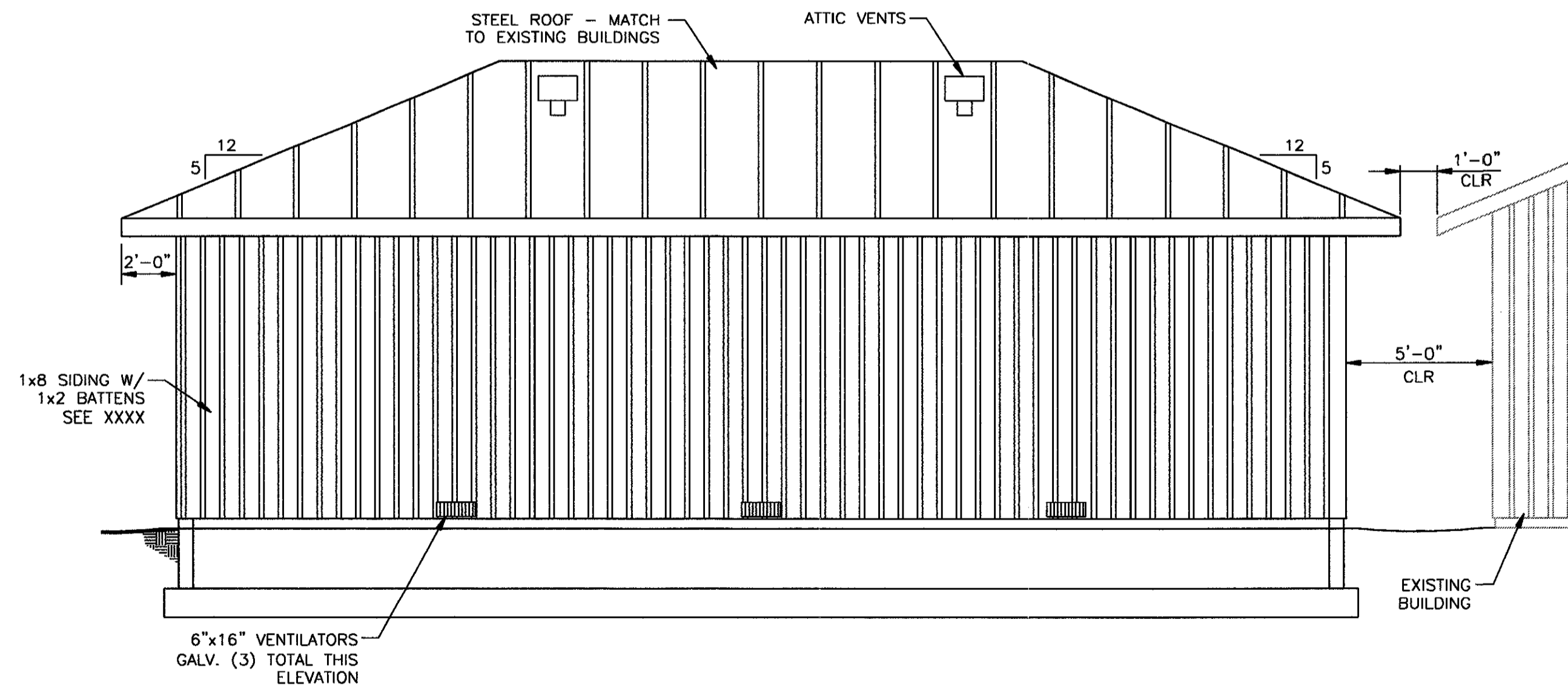




EAST ELEVATION B
-S18
0 4 8 12 FT
SCALE: 1/4"=1'-0"



NORTH AND SOUTH ELEVATION A
-S18
0 4 8 12 FT
SCALE: 1/4"=1'-0"



WEST ELEVATION C
-S18
0 4 8 12 FT
SCALE: 1/4"=1'-0"

NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED	
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: ISF_S-18.dwg						
Design	S. McCLENDON	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON NORTHEAST OREGON HATCHERY PROGRAM IMNAHA SATELLITE FACILITY VEHICLE PARKING STRUCTURE BUILDING ELEVATIONS				
Drawn	R. GUERRERO					
Chkd	M. McMILLEN					
Sub						
Rec						
Rec		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION
Appr				S18	OF	
Date						

