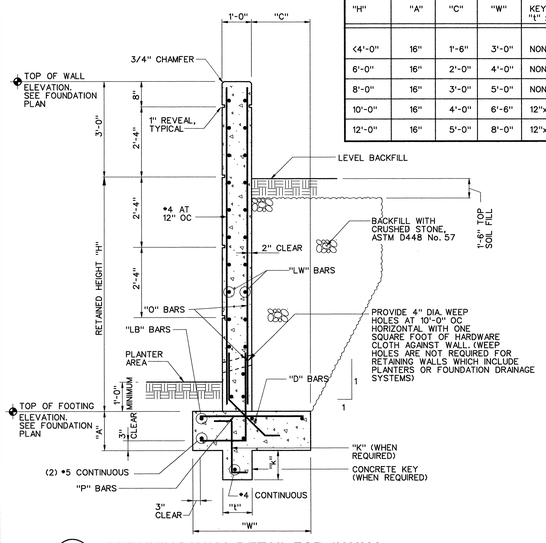
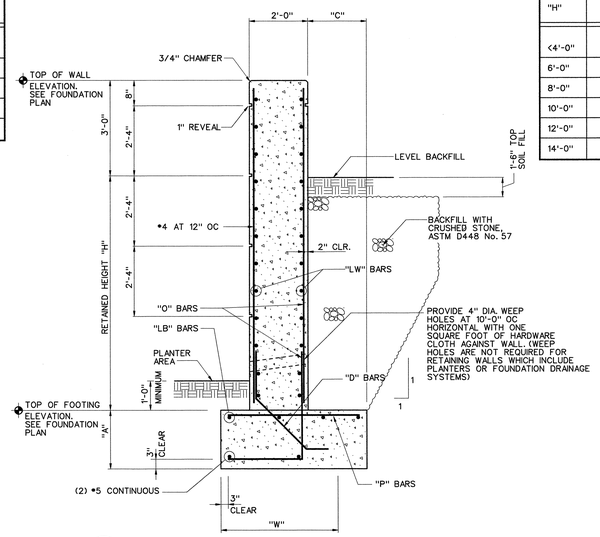
BACKFILL : LEVEL										SOIL : EQUILIVENT FLUID PRESSURE 35 POUNDS PER CUBIC FOOT
"H"	"A"	"C"	"W"	KEY "t" x "k"	"O"	"D"	"K"	"LB"	"P"	"LW"
<4'-0"	16"	1'-6"	3'-0"	NONE	#4 AT 12"	#4 AT 12"	NONE	(3) #5	#4 AT 12"	#4 AT 16"
6'-0"	16"	2'-0"	4'-0"	NONE	#4 AT 12"	#4 AT 12"	NONE	(4) #5	#4 AT 12"	#4 AT 16"
8'-0"	16"	3'-0"	5'-0"	NONE	#5 AT 12"	#5 AT 12"	NONE	(5) #5	#4 AT 12"	#4 AT 16"
10'-0"	16"	4'-0"	6'-6"	12"x12"	#6 AT 12"	#6 AT 12"	#4 AT 12"	(6) #5	#6 AT 12"	#4 AT 16"
12'-0"	16"	5'-0"	8'-0"	12"x12"	#6 AT 8"	#6 AT 12"	#4 AT 12"	(7) #5	#6 AT 8"	#4 AT 16"



A C1.18.05 **RETAINING WALL DETAIL FOR 1' WALL**
NTS

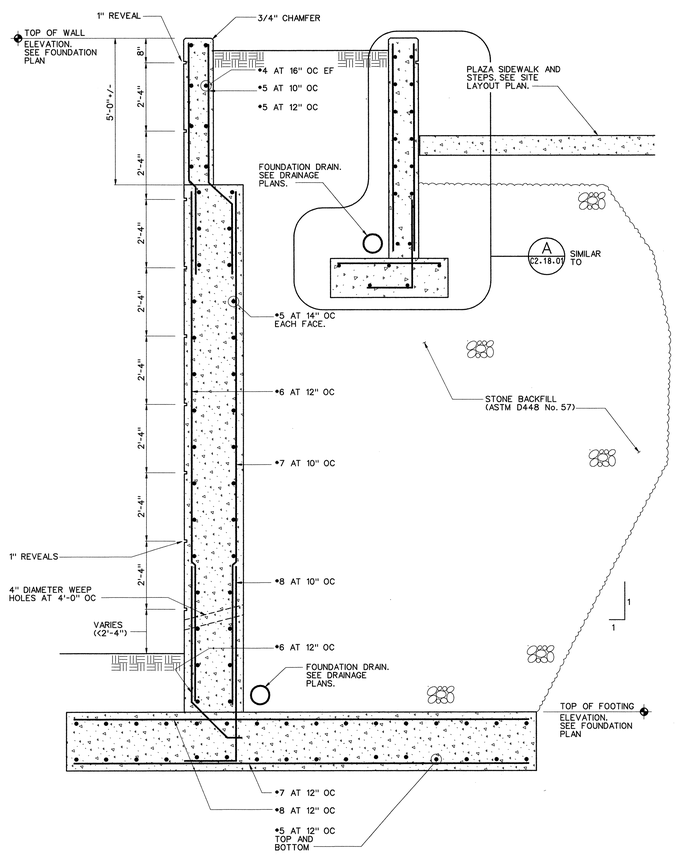
BACKFILL : LEVEL										SOIL : EQUILIVENT FLUID PRESSURE 35 POUNDS PER CUBIC FOOT
"H"	"A"	"C"	"W"	"O"	"D"	"LB"	"P"	"LW"		
<4'-0"	24"	1'-0"	3'-6"	#5 AT 12"	#5 AT 12"	(4) #5	#5 AT 12"	#5 AT 14"		
6'-0"	24"	1'-0"	4'-0"	#5 AT 12"	#5 AT 12"	(5) #5	#5 AT 12"	#5 AT 14"		
8'-0"	24"	2'-0"	5'-0"	#5 AT 12"	#5 AT 12"	(6) #5	#4 AT 12"	#5 AT 14"		
10'-0"	24"	3'-0"	6'-6"	#6 AT 12"	#6 AT 12"	(7) #5	#5 AT 12"	#5 AT 14"		
12'-0"	24"	4'-0"	8'-0"	#6 AT 12"	#6 AT 12"	(8) #5	#5 AT 12"	#5 AT 14"		
14'-0"	24"	5'-0"	9'-6"	#7 AT 12"	#6 AT 12"	(10) #5	#6 AT 12"	#5 AT 14"		



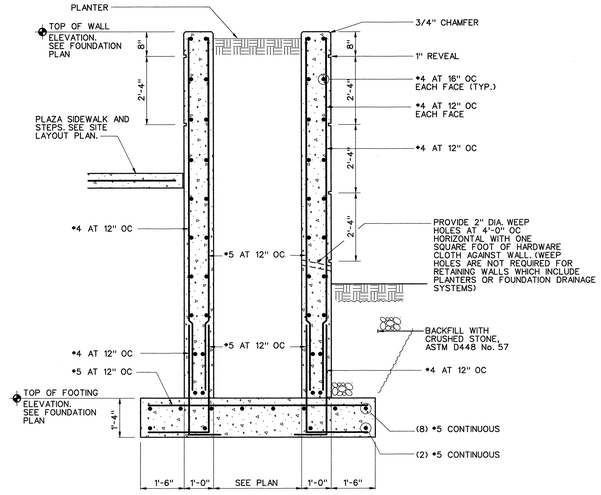
B C1.18.04,C1.18.05,C1.18.06 **RETAINING WALL DETAIL FOR 2' WALL**
NTS

NOTES :

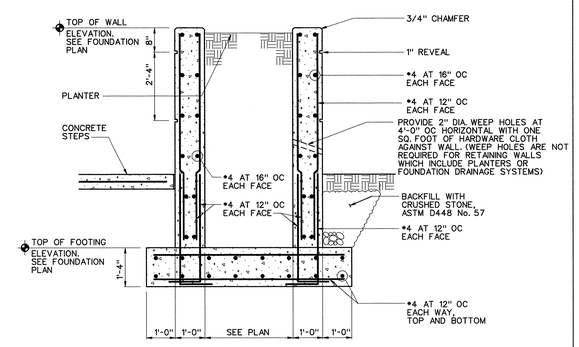
1. 1" HORIZONTAL REVEALS CONTINUE ON FULL HEIGHT OF ALL EXPOSED WALLS AT A 2'-4" INTERVAL.
2. 1" VERTICAL REVEALS SHALL BE PROVIDED ON ALL EXPOSED WALLS AT THE SAME SPACING AS BUILDING REVEALS (3 EQUAL PARTS BETWEEN COLUMN LINES). SEE ARCHITECTURAL ELEVATIONS AND CIVIL ELEVATIONS AND SECTIONS.
3. SEE LANDSCAPE DRAWINGS FOR HANDRAIL LOCATION AND DETAILS.



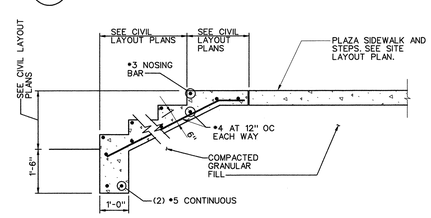
C C1.18.06 **SECTION**
SCALE : 1/2" = 1'-0"



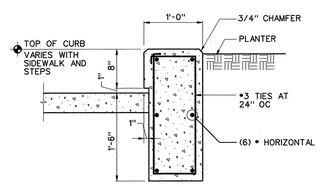
D C1.18.05 **SECTION**
SCALE : 1/2" = 1'-0"



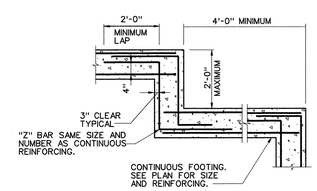
E C1.18.05 **SECTION**
SCALE : 1/2" = 1'-0"



F C1.18.03,C1.18.05 **SECTION**
SCALE : 1/2" = 1'-0"



G C1.18.02 **SECTION**
SCALE : 1" = 1'-0"



1 C2.18.01 **TYPICAL STEP FOOTING DETAIL**
NTS

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

108031400-C8E-8600-A029

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PROJECT NAME:
SPALLATION NEUTRON SOURCE

CENTRAL LAB AND OFFICE BUILDING
RETAINING WALL SECTIONS AND DETAIL

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	C	X	X	8	8600	X	1	1	S	LI
51		52		53	WBS	DRAWING NUMBER			REV	
NC		NA		IN	1.8.3.14	C2.18.01			0	

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
0				CERTIFIED FOR CONSTRUCTION - 5/15/2001	BN	AW			FB	5/14/01	LB	5/14/01			BM	5/25/01	BM	19600	5/15/01

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

SC	JP	BS	RL	BS	BJ	--	BS	--	WS
ST	CV	EC	EE	EM	IE	M	PD	SE	AR

SQUAD CHECK

RPE: BRIAN KETRON MAHONEY, REGISTERED PROFESSIONAL ENGINEER, COMMERCIAL, NO. 19600, STATE OF TENNESSEE — 5-15-01
0 REV. — 5-15-01 DATE

DRAWING APPROVALS		
DSGN	B. MAHONEY	5/15/01
DRW	J. BALES	5/15/01
CHKR	A. WYLIE	5/15/01
SECT		
DEPT		
PE		5/24/01
PJ		5/21/01
REQ		
UTB		5/25/01

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NUMBER OF SECTION OR DETAIL
DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

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CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-G001