

Please print or type in the unshaded areas only.
(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION						1. EPA/STATE I.D. NUMBER WA 7890008987																																												
FOR OFFICIAL USE ONLY																																																			
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)		COMMENTS																																																
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																	
II. FIRST OR REVISED APPLICATION																																																			
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.																																																			
A. FIRST APPLICATION (place an "X" below and provide the appropriate date)																																																			
<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">MO.</td> <td style="padding: 2px;">DAY</td> <td style="padding: 2px;">YR.</td> </tr> <tr> <td style="padding: 2px;">03</td> <td style="padding: 2px;">22</td> <td style="padding: 2px;">43</td> </tr> </table> * FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) *The date construction of the Hanford Facility commenced.								MO.	DAY	YR.	03	22	43																																						
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<input type="checkbox"/> 2. NEW FACILITY (Complete item below) <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">MO.</td> <td style="padding: 2px;">DAY</td> <td style="padding: 2px;">YR.</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> FOR NEW FACILITIES, PROVIDE THE DATE, (mo., day, & yr.) OPERA- TION BEGAN OR IS EXPECTED TO BEGIN								MO.	DAY	YR.																																									
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<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT <input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT																																																			
III. PROCESSES - CODES AND CAPACITIES																																																			
A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).																																																			
B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.																																																			
1. AMOUNT - Enter the amount.																																																			
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.																																																			
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EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.																																																			
L U M E N B R	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	L U M E N B R	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY																																										
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)																																											
X-1	S 0 2	600	G		5																																														
X-2	T 0 3	20	E		6																																														
1	S 0 1	22,710,000	L		7																																														
2	T 0 4	45,420	V		8																																														
3					9																																														
4					10																																														

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S01. T04

The Central Waste Complex (CWC) began waste management operations in August of 1988. This unit consists of multiple storage units for mixed waste and inspection, verification, sampling, and repackaging of mixed waste. Mixed waste that could be managed includes low-level waste (LLW) and transuranic waste (TRU). Mixed waste could be stored temporarily on the Mixed Waste Storage Pad while awaiting transfer until storage capacity becomes available in the Mixed Waste Storage units. The mixed waste accepted for storage is managed in Mixed Waste Storage units comprised of compliant storage structures. Waste that has less than a 38°C (100°F) flash point (ignitable) is stored in the Low-Flash-Point Storage units. Alkali metals are stored in Alkali Metal Storage Modules. The storage design capacity for all the mixed waste storage units at the CWC is 22,710,000 liters (5,999,300 gallons). Treatment includes the absorption and solidification of free liquids, and the neutralization of corrosive materials. The maximum treatment design capacity at the CWC is 45,420 liters (11,999 gallons) per day.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES				<i>If a code is not entered in D(1)</i>
				1. PROCESS CODES (enter)				
X-1	K 0 5 4	900	P	T 0 3	D 8 0	1	1	
X-2	D 0 0 2	400	P	T 0 3	D 8 0	1	1	
X-3	D 0 0 1	100	P	T 0 3	D 8 0	1	1	
X-4	D 0 0 2			T 0 3	D 8 0	1	1	<i>Included with above</i>

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)

W	A	7	8	9	0	0	0	8	9	6	7
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IV. DESCRIPTION OF DANGEROUS WASTES (continued)

L I N E	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES								
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (If a code is not entered in D(1))				
1	D 0 0 1	4,600	K	S01	T04							Storage-Container/Treatment-Other
2	D 0 0 2	1,000										
3	D 0 0 3											
4	D 0 0 4	300										
5	through											
6	D 0 0 7											
7	D 0 0 8	45,400										
8	D 0 0 9	300										
9	through											
10	D 0 4 3											
11	W S C 2											
12	W T 0 1	363,200										
13	W T 0 2	36,000										
14	W P 0 1	3,700										
15	through											
16	W P 0 3											
17	W 0 0 1	10,000										
18	F 0 0 1	3,700										
19	through											
20	F 0 0 5											
21	F 0 2 0											
22	F 0 2 1	300										
23	through											
24	F 0 2 3											
25												
26												

Continued from page 2.
 NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (entered from page 1)											
W A 7 8 9 0 0 0 8 9 6 7											
IV. DESCRIPTION OF DANGEROUS WASTES (continued)											
LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES				2. PROCESS DESCRIPTION (If a code is not entered in D(1))			
				1. PROCESS CODES (enter)							
1	F 0 2 6	300	K	S01	T04						Storage-Container/Treatment-Other
2	through										
3	F 0 2 8										
4	F 0 3 9										
5	U 0 0 1										
6	through										
7	U 0 1 2										
8	U 0 1 4										
9	through										
10	U 0 3 9										
11	U 0 4 1										
12	through										
13	U 0 5 3										
14	U 0 5 5										
15	through										
16	U 0 6 4										
17	U 0 6 6										
18	through										
19	U 0 9 9										
20	U 1 0 1										
21	through										
22	U 1 0 3										
23	U 1 0 5										
24	through										
25	U 1 9 4										
26	U 1 9 6										

Continued from page 2.
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<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td>W</td><td>A</td><td>7</td><td>8</td><td>9</td><td>0</td><td>0</td><td>0</td><td>8</td><td>9</td><td>6</td><td>7</td></tr> </table>				W	A	7	8	9	0	0	0	8	9	6	7								
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IV. DESCRIPTION OF DANGEROUS WASTES (continued)																							
LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES				2. PROCESS DESCRIPTION (If a code is not entered in D(1))															
				1. PROCESS CODES (enter)																			
1	U 1 9 7	300	K	S01	T04						Storage-Container/Treatment-Other												
2	U 2 0 0																						
3	through																						
4	U 2 2 3																						
5	U 2 2 5																						
6	through																						
7	U 2 2 8																						
8	U 2 3 2																						
9	through																						
10	U 2 4 0																						
11	U 2 4 3																						
12	through																						
13	U 2 4 9																						
14	U 3 2 8																						
15	U 3 5 3																						
16	U 3 5 9																						
17	P 0 0 1																						
18	through																						
19	P 0 1 8																						
20	P 0 2 0																						
21	through																						
22	P 0 2 4																						
23	P 0 2 6																						
24	through																						
25	P 0 3 1																						
26																							

Continued from page 2.

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W	A	7	8	9	0	0	0	8	9	6	7
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IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES								
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (If a code is not entered in D(1))				
1	P 0 3 3	300	K	S01	T04							Storage-Container/Treatment-Other
2	P 0 3 4											
3	P 0 3 6											
4	through											
5	P 0 5 1											
6	P 0 5 4											
7	P 0 5 6											
8	through											
9	P 0 6 0											
10	P 0 6 2											
11	through											
12	P 0 7 8											
13	P 0 8 1											
14	P 0 8 2											
15	P 0 8 4											
16	P 0 8 5											
17	P 0 8 7											
18	through											
19	P 0 8 9											
20	P 0 9 2											
21	through											
22	P 0 9 9											
23	P 1 0 1											
24	through											
25	P 1 1 6											
26												

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LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES							2. PROCESS DESCRIPTION (if a code is not entered in D(1))			
					K	S01	T04							
1	P 1 1 8	300			1	1	1						Storage-Container/Treatment-Other	
2	through				1	1	1							
3	P 1 2 3			▼	▼	▼							Included With Above	
4					1	1	1							
5					1	1	1							
6					1	1	1							
7					1	1	1							
8					1	1	1							
9					1	1	1							
10					1	1	1							
11					1	1	1							
12					1	1	1							
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20					1	1	1							
21					1	1	1							
22					1	1	1							
23					1	1	1							
24					1	1	1							
25					1	1	1							
26					1	1	1							

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The mixed waste managed at the CWC includes mixed waste generated from various operations on and off the Hanford Site. Managed waste consists of listed waste, waste from nonspecific sources, characteristic waste, discarded chemical products, state-only waste (extremely hazardous and dangerous waste), and multi-source leachate.

V. FACILITY DRAWING Refer to attached drawing(s).

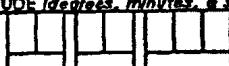
All existing facilities must include in the space provided on page 6 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS Refer to attached photograph(s).

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawing(s) and photograph(s).

LATITUDE (degrees, minutes, & seconds)



LONGITUDE (degrees, minutes, & seconds)



VIII. FACILITY OWNER

A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)
John D. Waggoner, Manager
U.S. Department of Energy
Richland Operations Office

SIGNATURE

DATE SIGNED

9/26/96

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

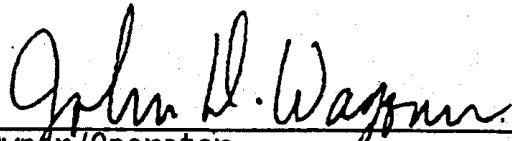
SIGNATURE

DATE SIGNED

SEE ATTACHMENT

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Owner/Operator

John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

Date



Co-operator

H. J. Hatch,
President and Chief Executive Officer
Fluor Daniel Hanford, Inc.

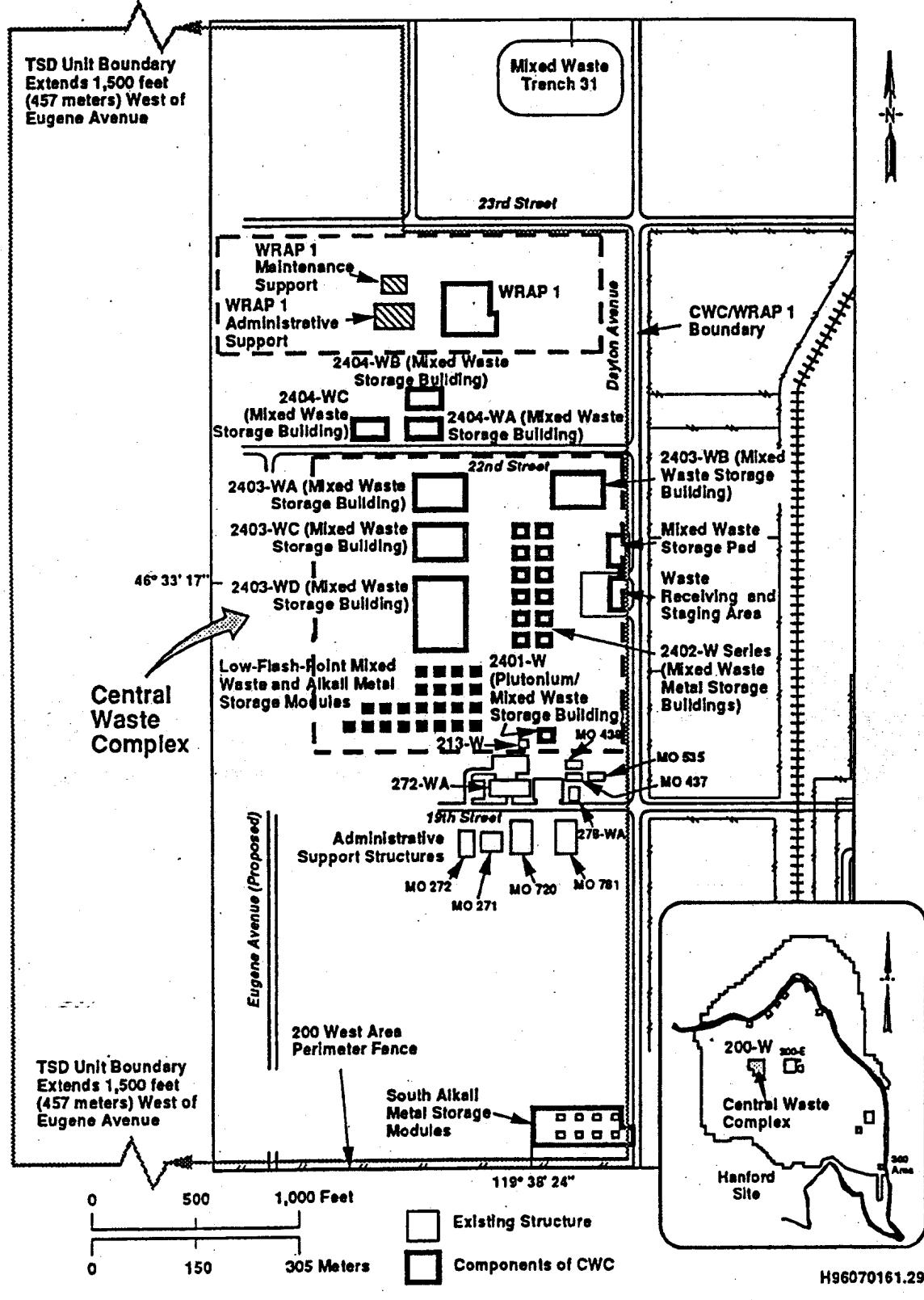


Date

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Central Waste Complex Site Plan

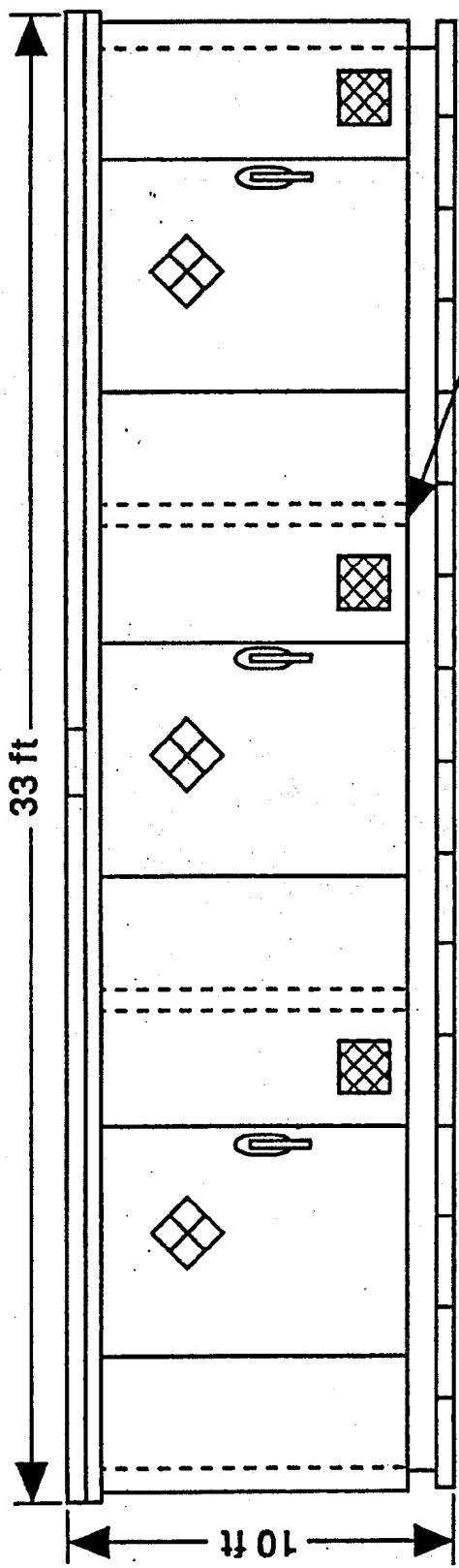


Note: To convert feet to meters, multiply by 0.3048.

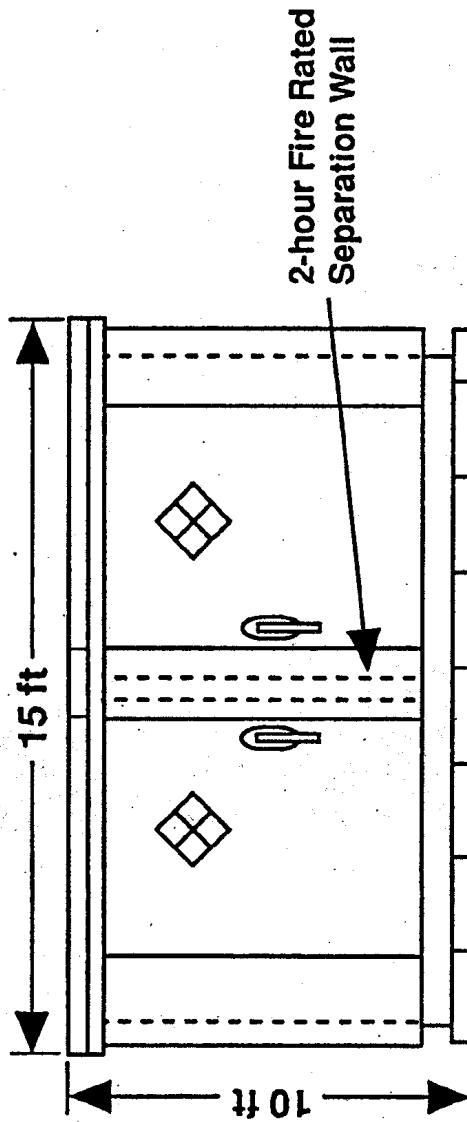
— Fence Line

H96070161.29

Typical Large Waste Storage Module
Front View

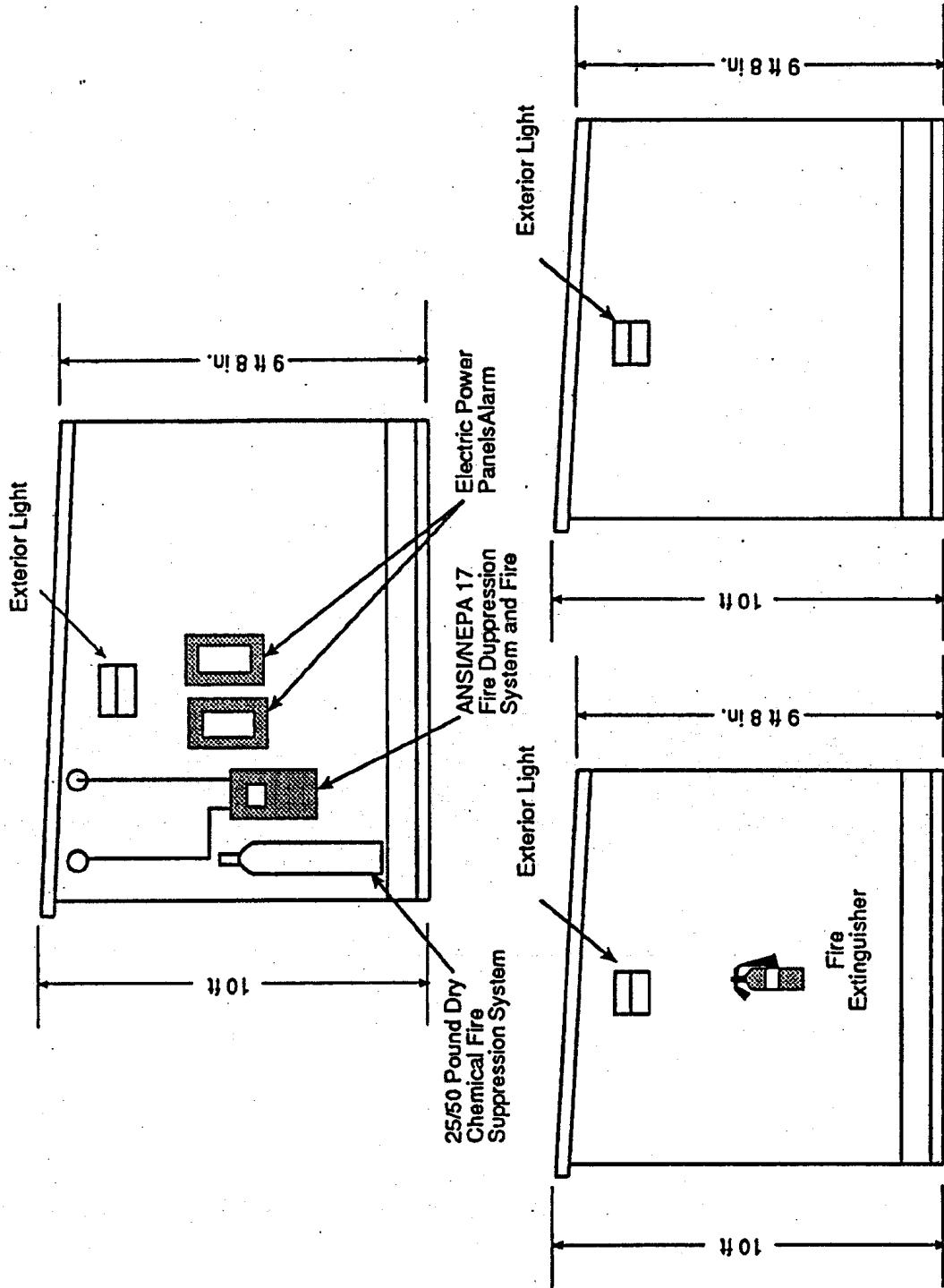


Typical Small Waste Storage Module
Front View



Note: To convert feet to meters, multiply by 0.3048.

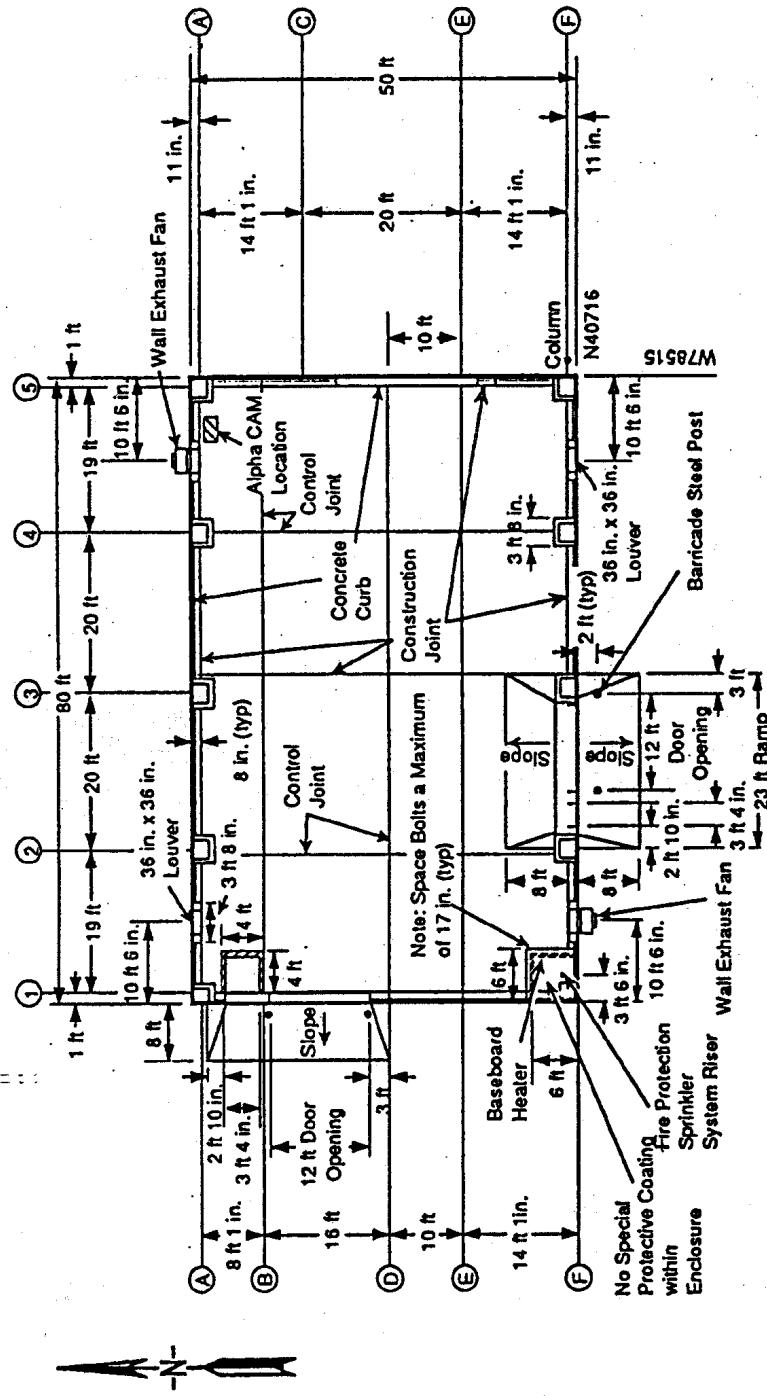
Low-Flash Point Mixed Waste and Alkali Metal Waste Storage Module Side View



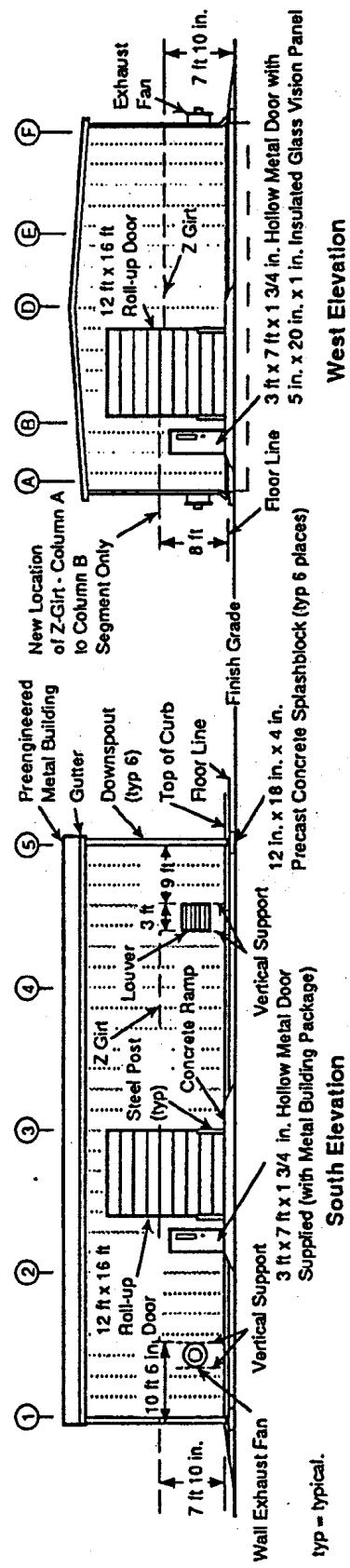
Note: To convert feet to meters, multiply by 0.3048.
 To convert inches to centimeters, multiply by 2.54.
 To convert to pounds to kilograms, multiply by 0.45359239.

Plutonium/Polychlorinated Biphenyl Mixed Waste Storage Building (2401-W)

Plan and Elevations



Foundation/Floor Plan

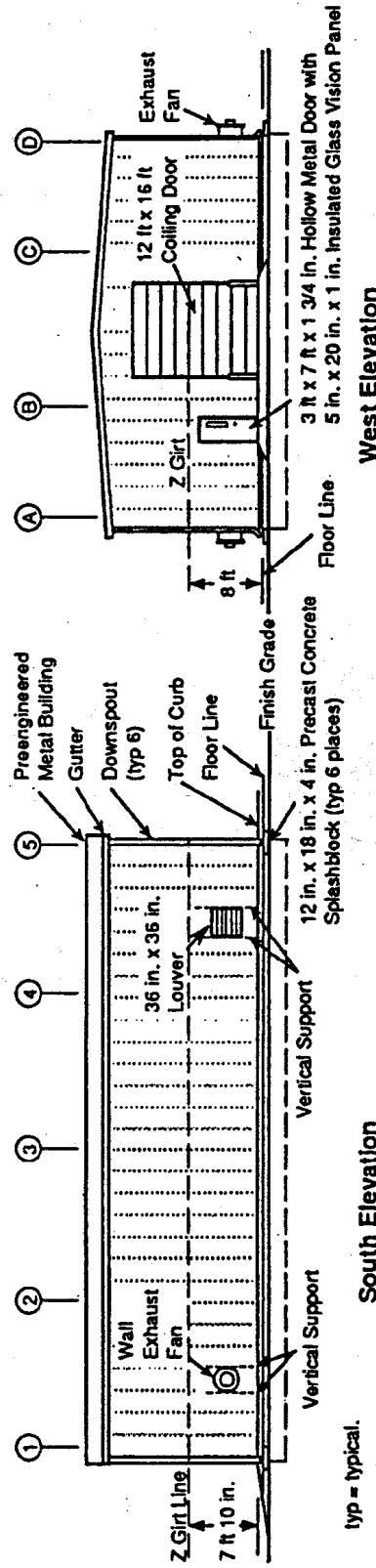
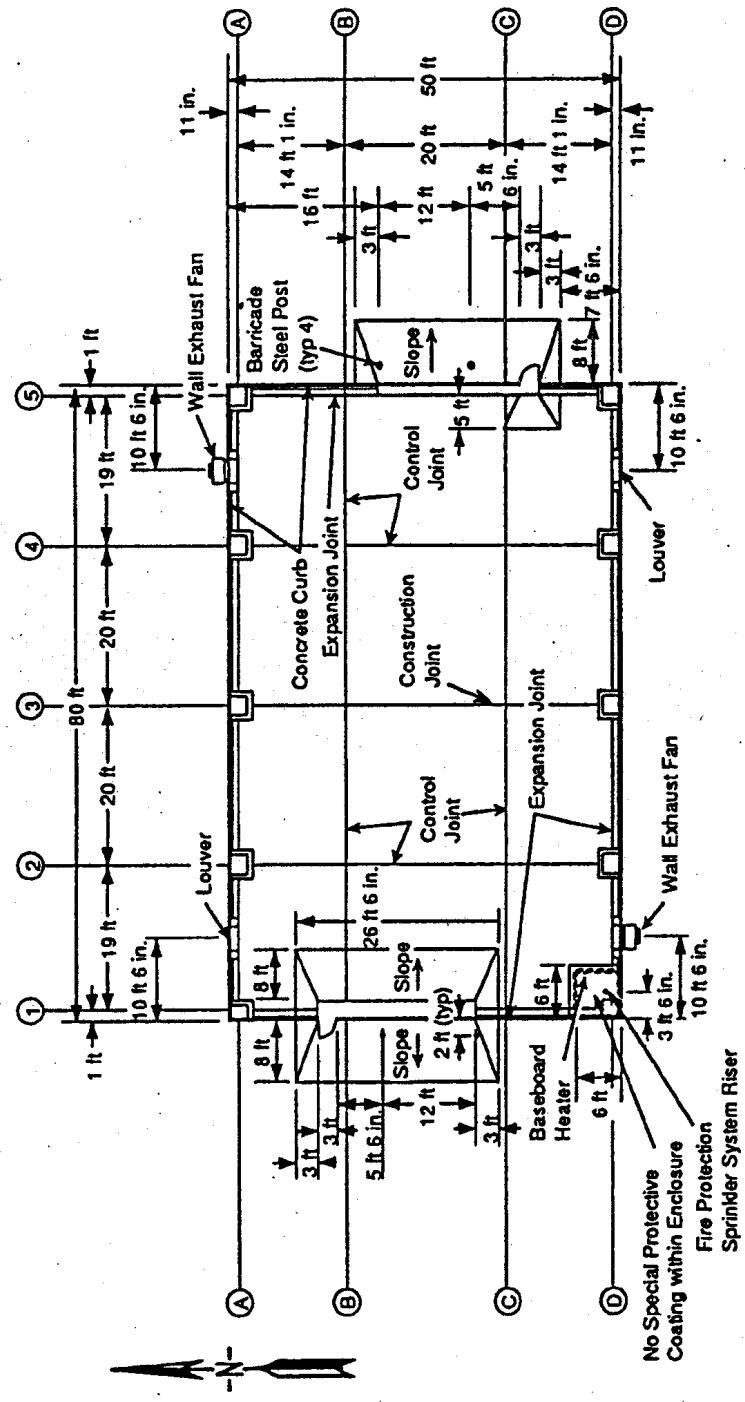


South Elevation

Note: To convert feet to meters, multiply by 0.3048.
 To convert inches to centimeters, multiply by 2.54.
 typ = typical.

West Elevation

**Typical Radioactive and/or Mixed Waste Storage Buildings (2402-W and 2402-WB through 2402-WL)
Plan and Elevations**



typ = typical.

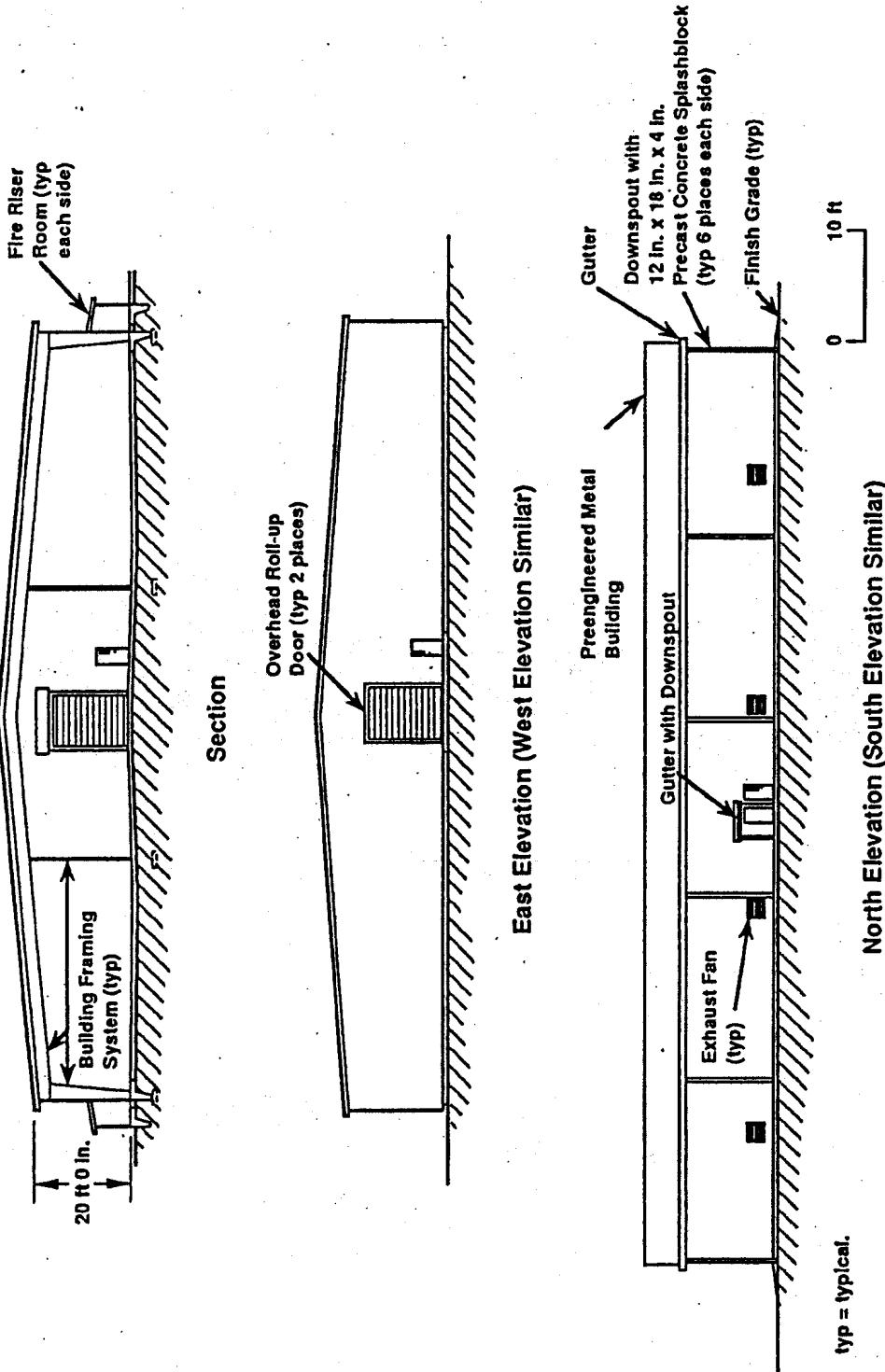
South Elevation

Note: To convert feet to meters, multiply by 0.3048.

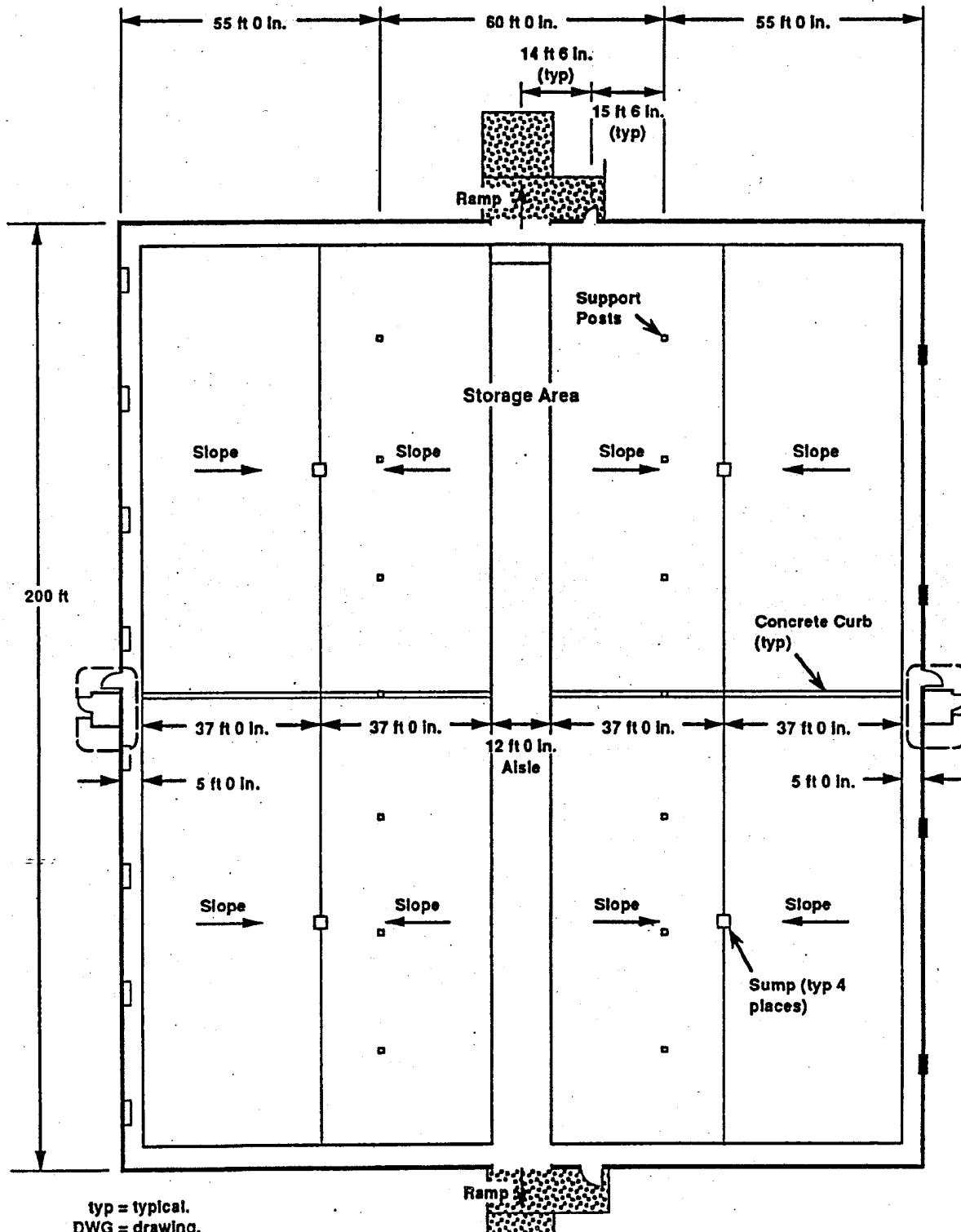
To convert inches to centimeters, multiply by 2.54.

30000647

Typical Radioactive and/or Mixed Waste Storage Building (2403-WB and 2403-WC) Elevations



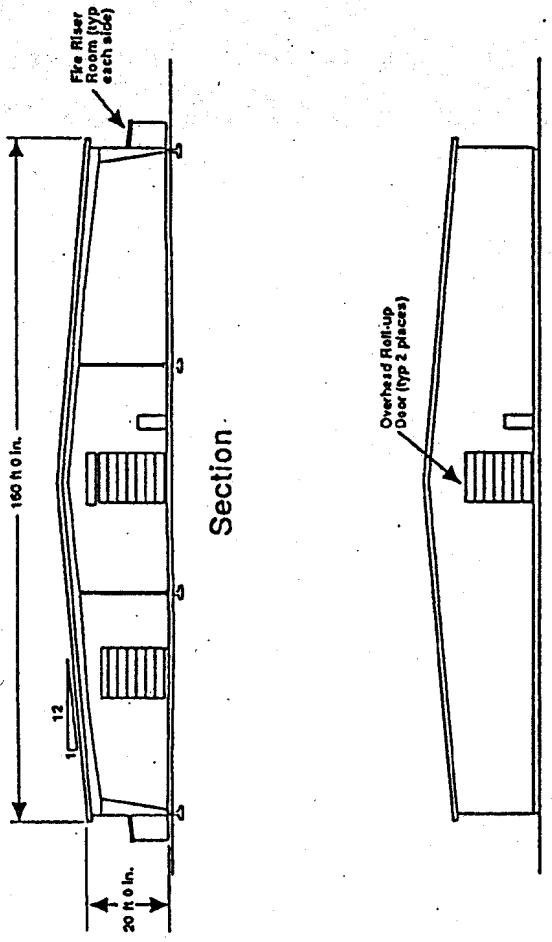
39304068.8

Typical Radioactive and/or Mixed Waste Storage Building (2403-WA, WB, and WC) Plan

Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

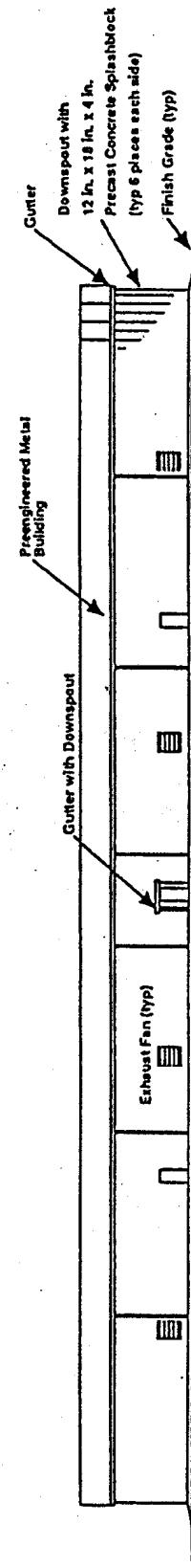
39304068.9

Radioactive and/or Mixed Waste Storage Building (2403-WD)



Section

North Elevation

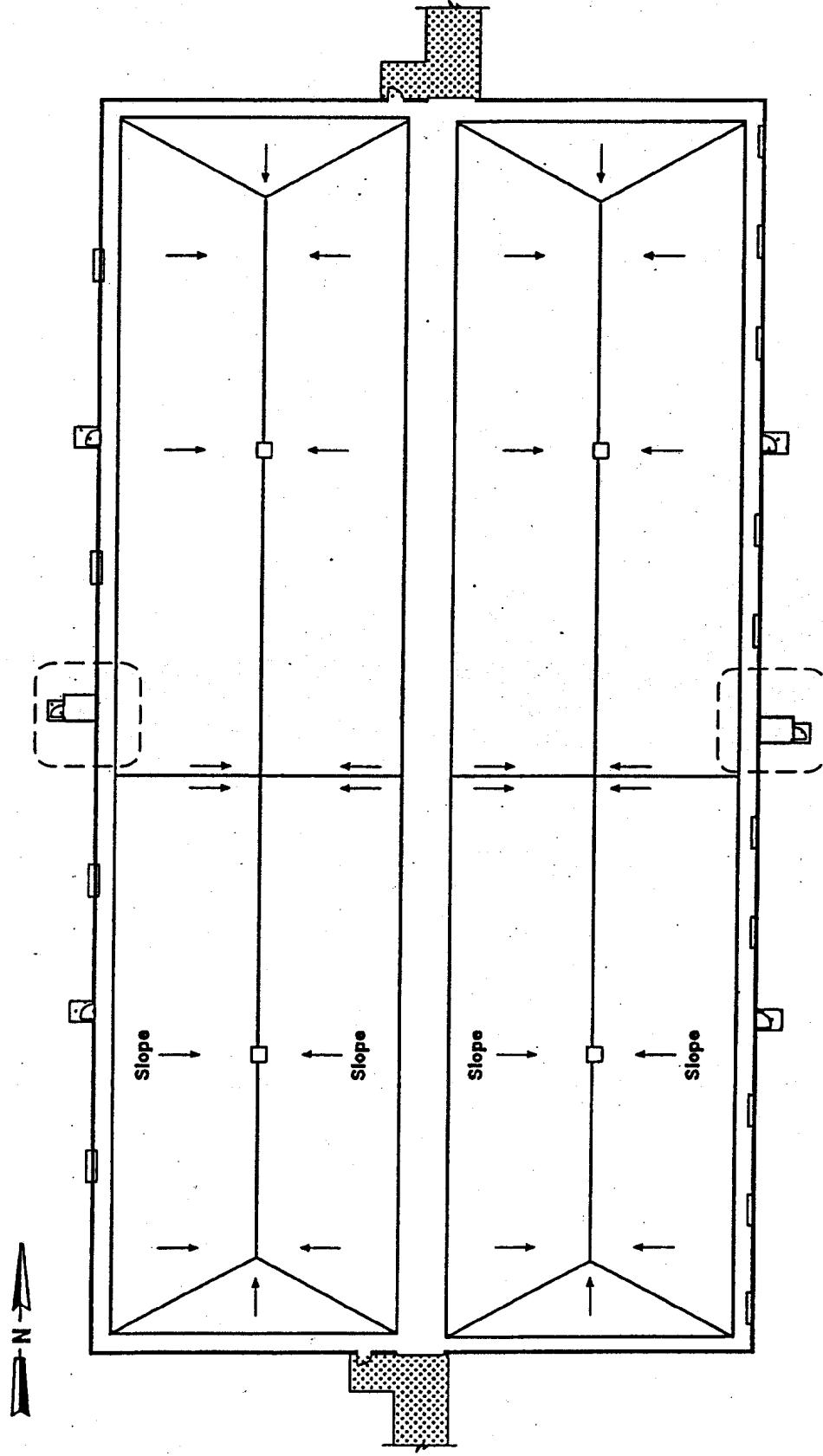


West Elevation

Note: To convert feet to meters, multiply by 0.3048.
 To convert inches to centimeters, multiply by 2.54.
 typ = typical.

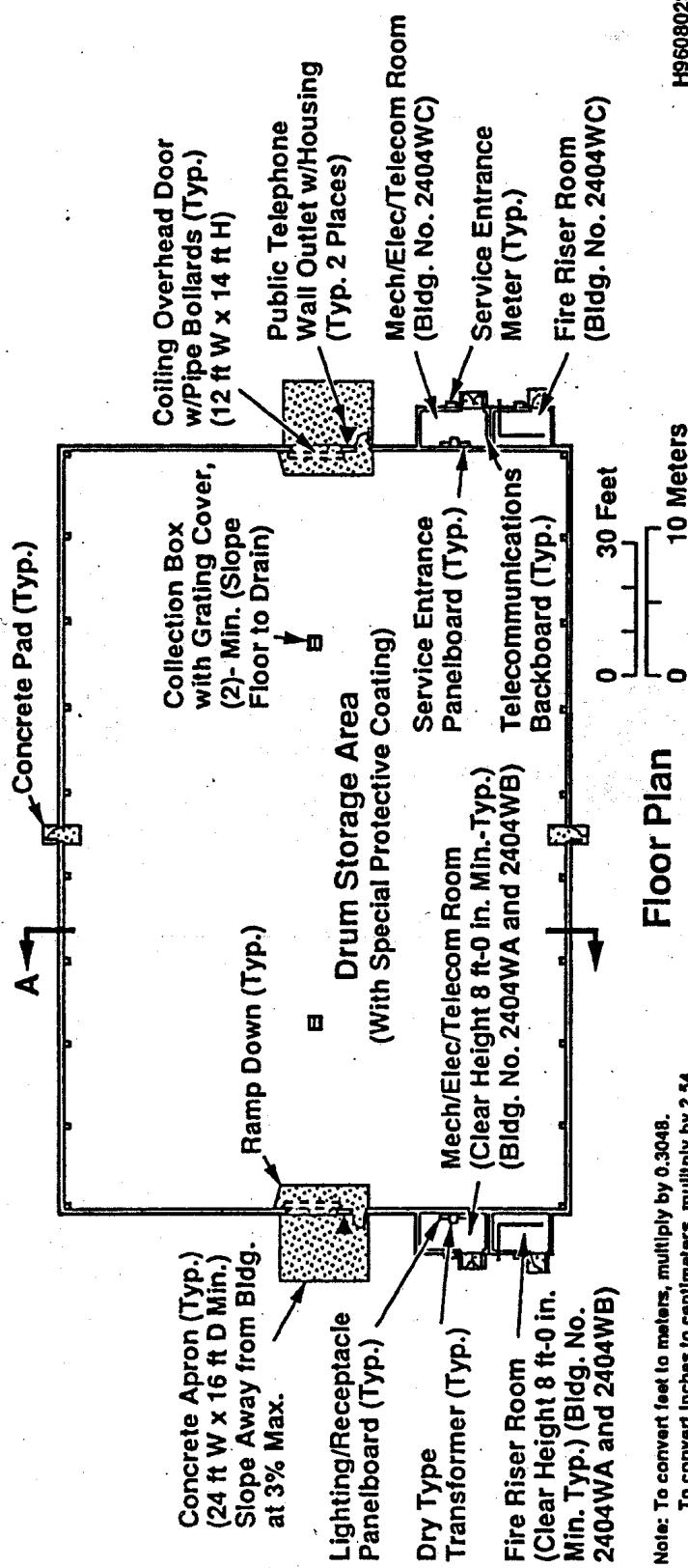
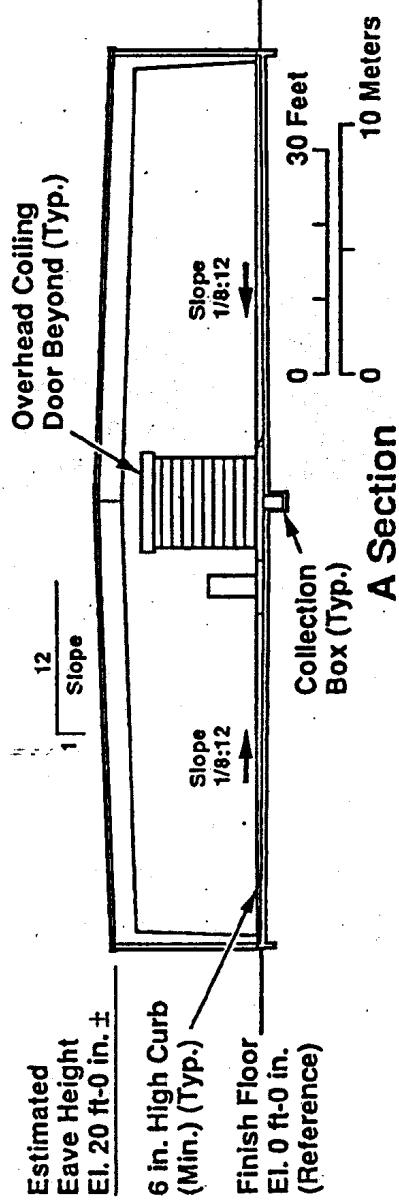
39304068.11

Radioactive and/or Mixed Waste Storage Building (2403-WD)



39304068.10

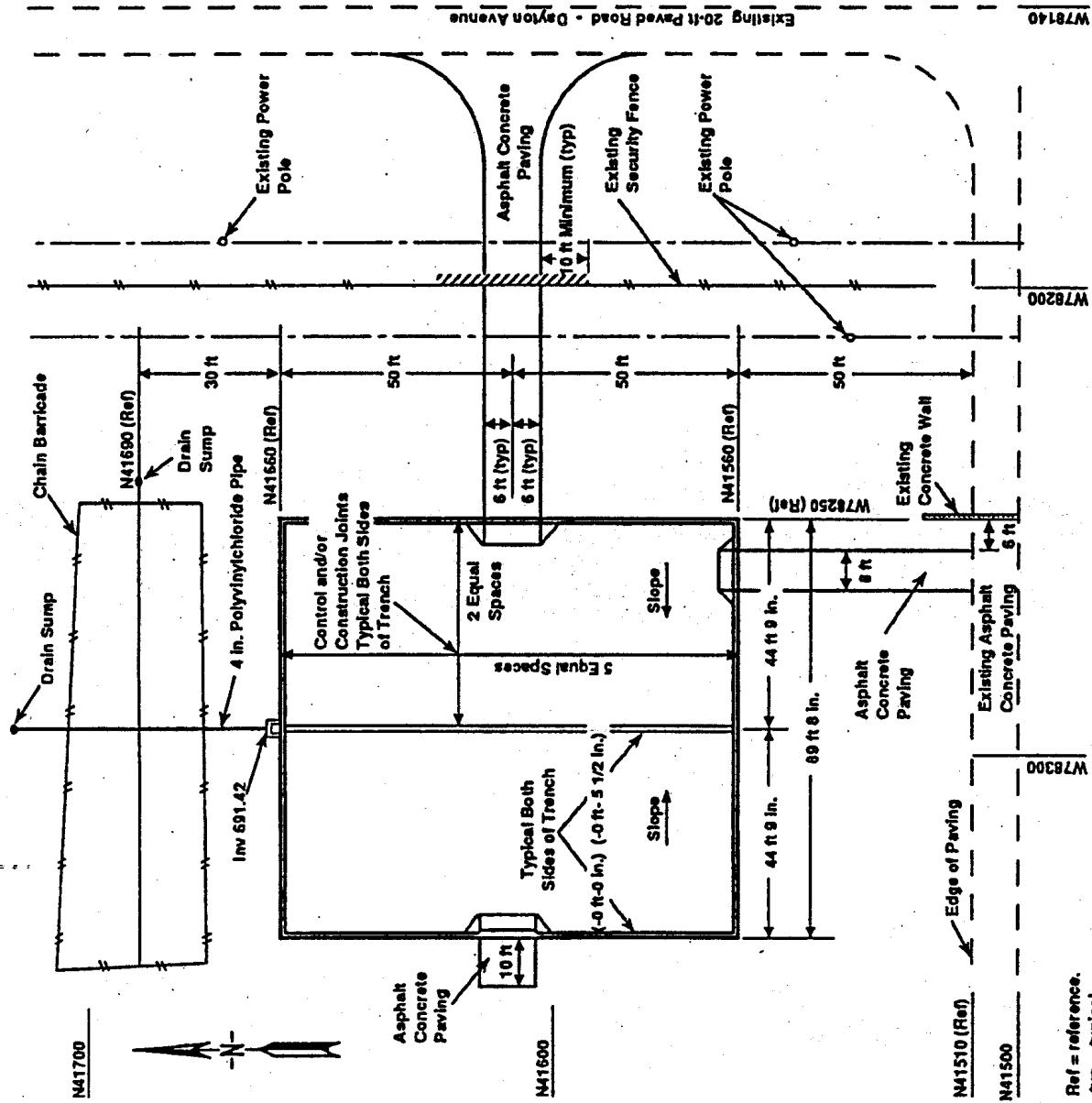
Typical Mixed Waste Storage Building (2404-WA, WB and WC)



Note: To convert feet to meters, multiply by 0.3048.
To convert inches to centimeters, multiply by 2.54.

H96080291.1

Mixed Waste Storage Pad Civil Plan



Ref = reference.
 typ = typical.

Note: To convert feet to meters, multiply by 0.3048.
 To convert inches to centimeters, multiply by 2.54.

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CENTRAL WASTE COMPLEX AERIAL VIEW



46°33'17"
119°38'24"

93030994-194CN
(PHOTO TAKEN 1993)

CENTRAL WASTE COMPLEX LOW-FLASH-POINT METAL MIXED WASTE STORAGE MODULES AND/OR MIXED ALKALI METAL STORAGE MODULES



TYPICAL (LARGE)
46°33'17"
119°38'24"

93040010-9CN
(PHOTO TAKEN 1993)



TYPICAL (SMALL)
46°33'17"
119°38'24"

93040010-11CN
(PHOTO TAKEN 1993)

CENTRAL WASTE COMPLEX PLUTONIUM/POLYCHLORINATED BIPHENYL MIXED WASTE STORAGE BUILDING



TYPICAL (2401-W)

46°33'17"
119°38'24"

90061110-44CN
(PHOTO TAKEN 1990)

CENTRAL WASTE COMPLEX RADIOACTIVE AND/OR MIXED WASTE METAL STORAGE BUILDING



TYPICAL (2402-W, 2402-WB THROUGH 2402-WL)

46°33'17"
119°38'24"

90061110-26CN
(PHOTO TAKEN 1990)



TYPICAL (INTERIOR)

46°33'17"
119°38'24"

90061110-10CN
(PHOTO TAKEN 1990)

CENTRAL WASTE COMPLEX RADIOACTIVE AND/OR MIXED WASTE STORAGE BUILDING



TYPICAL (2403-WA, WB, AND WC)
46°33'17"
119°38'24"

93040010-22CN
(PHOTO TAKEN 1993)



TYPICAL (INTERIOR)
46°33'17"
119°38'24"

93040010-25CN
(PHOTO TAKEN 1993)

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CENTRAL WASTE COMPLEX RADIOACTIVE AND/OR MIXED WASTE STORAGE BUILDING



TYPICAL (2403-WD)

46°33'17"

119°38'24"

93040010-13CN

(PHOTO TAKEN 1993)



TYPICAL (INTERIOR)

46°33'17"

119°38'24"

93040010-16CN

(PHOTO TAKEN 1993)

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CENTRAL WASTE COMPLEX MIXED WASTE STORAGE BUILDING



TYPICAL (2404-WA, WB, and WC)
46°33'17"
119°38'24"

96080579-29CN
(PHOTO TAKEN 1996)



TYPICAL (INTERIOR)
46°33'17"
119°38'24"

96080579-32CN
(PHOTO TAKEN 1996)