

GENERAL NOTES:

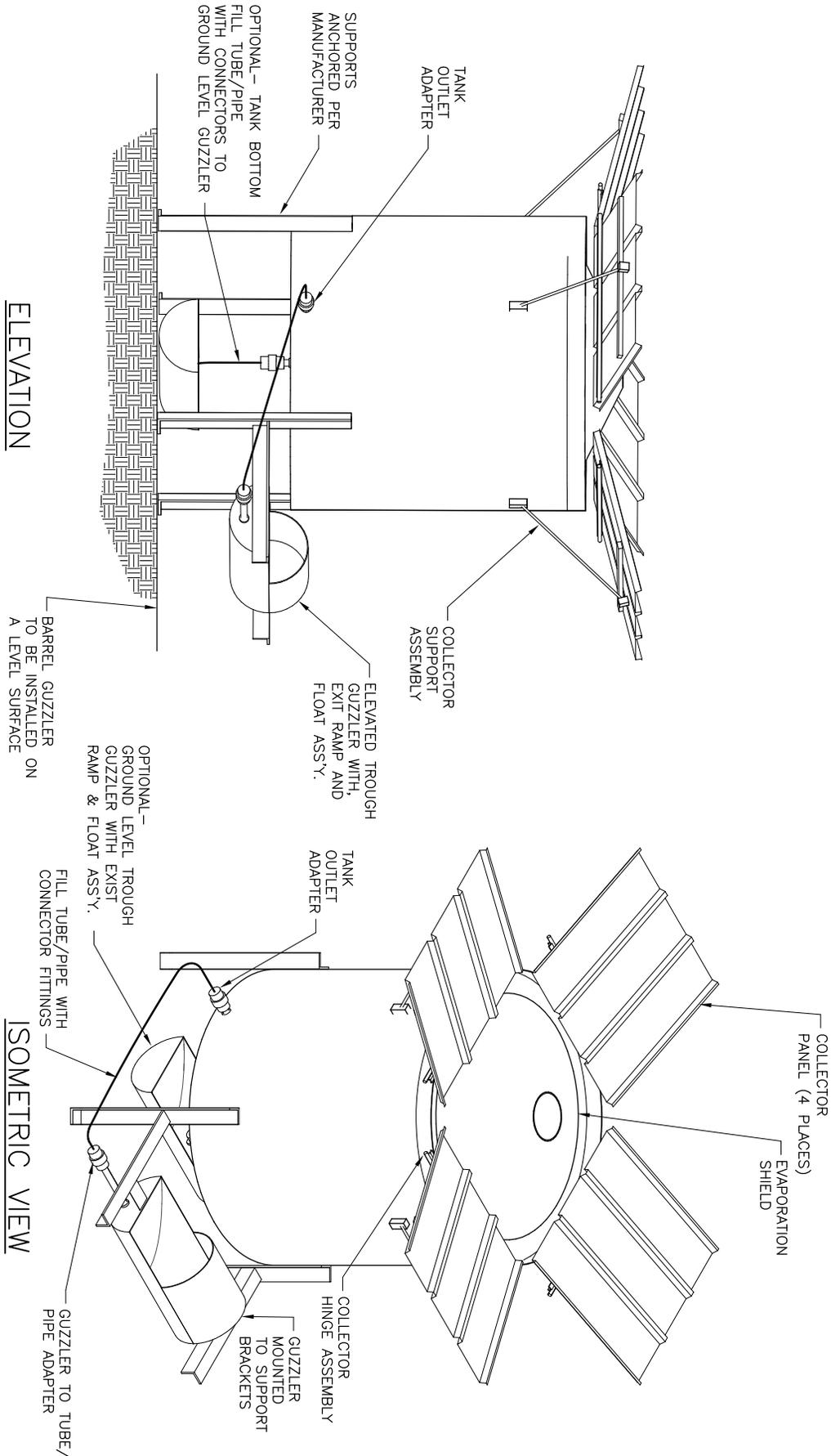
1. ALL STRUCTURAL MATERIALS SHALL BE NEW, A MINIMUM OF 16 GAUGE, AND PAINTED IN A WORKMANLIKE MANNER.
2. THE BARREL MUST HAVE A MINIMUM CAPACITY OF 200 GALLONS.
3. THE DRINKING TROUGH SHALL CONTAIN PLUMBING THAT IS PROTECTED FROM DAMAGE BY WILDLIFE. THE CONNECTING TUBE SHALL BE OF DURABLE MATERIALS.
4. THE WATER MAY BE LOCATED AT GROUND LEVEL IF APPROPRIATE FOR SPECIES OF INTEREST, WITH ESCAPE RAMPS PROVIDED.
5. WATER COLLECTED WITHIN THE BARREL MUST BE PROTECTED FROM EVAPORATION.
6. COLLECTOR PANELS WILL BE SECURELY ATTACHED TO THE UNIT TO PREVENT DAMAGE FROM HIGH WINDS.
7. THE UNIT SHALL BE ANCHORED, IF NECESSARY, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. THE UNIT SHALL BE PROTECTED FROM LIVESTOCK AND/OR FERAL HOGS WITH FENCING.
9. UPON INSTALLATION, AN ADEQUATE AMOUNT OF WATER WILL BE ADDED TO THE GUZZLER TO VERIFY THAT THE DRINKING TROUGH AND PLUMBING FIXTURES ARE WORKING PROPERLY

Designed	_____	Date	_____
Drawn	S. CONDIT	08/16/10	_____
Checked	_____	_____	_____
Approved	_____	_____	_____

PLAN AND SECTIONS
 PREFABRICATED BARREL TYPE COLLECTOR
 WILDLIFE GUZZLER



FILE NAME	Barrel Type Guzzler.dwg
DRAWING NO.	TX-EN-0581
SHEET	1

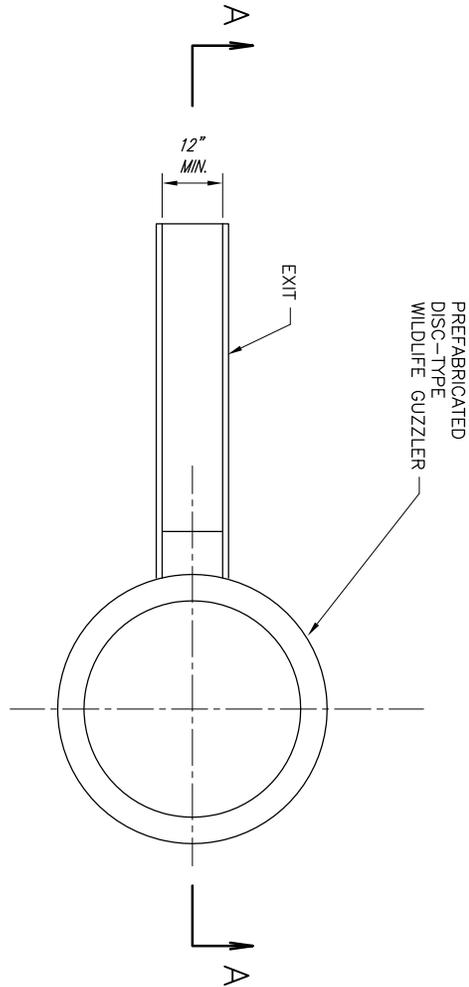


ELEVATIONS
 PREFABRICATED BARREL TYPE COLLECTOR
 WILDLIFE GUZZLER

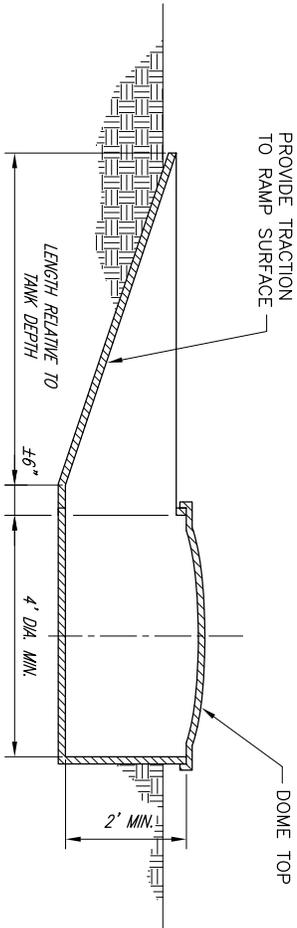
Designed _____ Date _____
 Drawn S. CONDIT 08/16/10
 Checked _____
 Approved _____



FILE NAME
 Barrel Type Guzzler.dwg
 DRAWING NO.
 TX-EN-0581
 SHEET 2



PLAN VIEW



SECTION A-A

GENERAL NOTES:

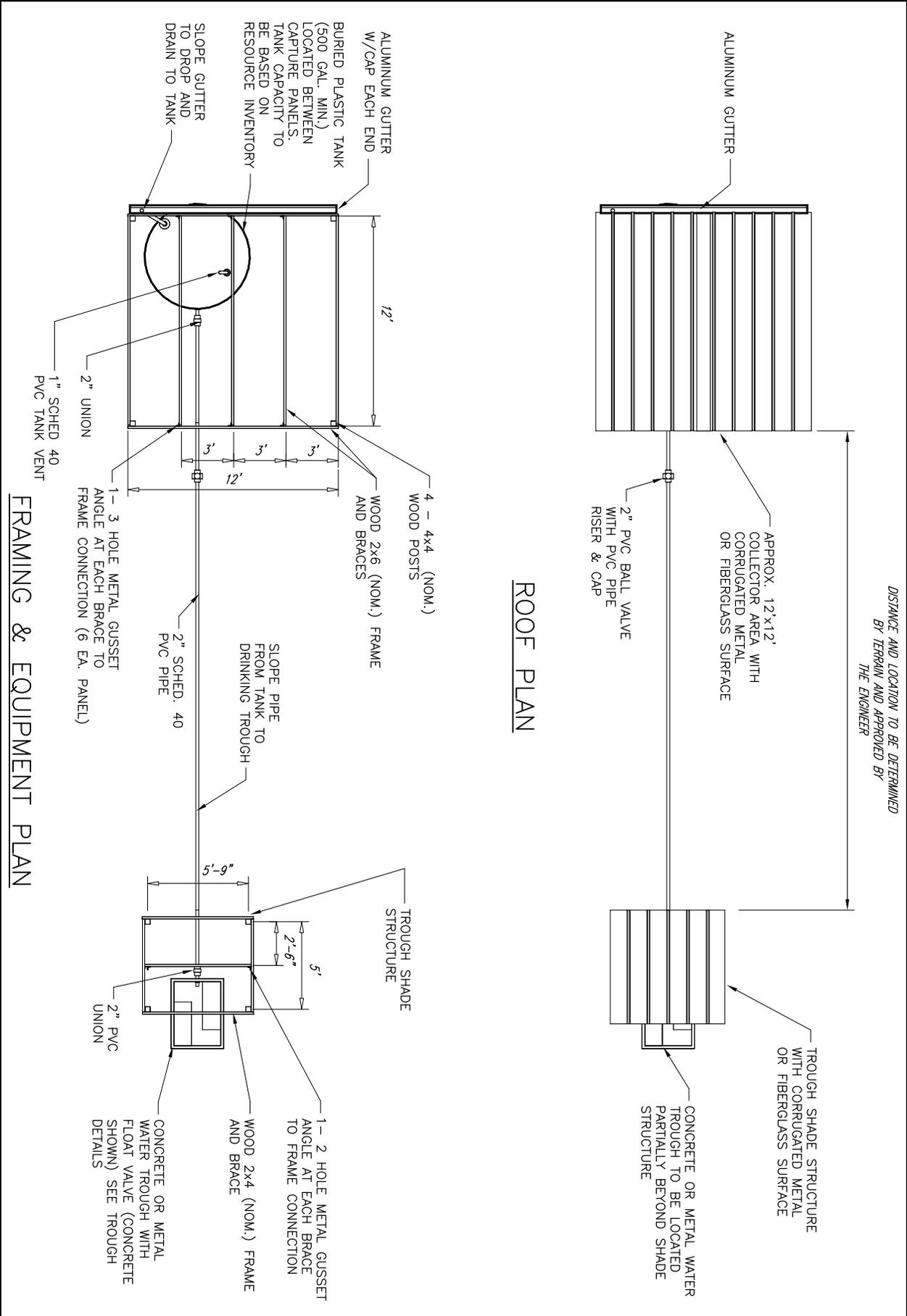
1. MATERIAL SHALL BE HIGH QUALITY FIBERGLASS WITH PREMIUM UV-INHIBITING PIGMENT.
2. COLLECTION RESERVOIR DIMENSIONS SHALL PROVIDE A MINIMUM COLLECTION OF 35 GALLONS FROM 1" OF RAIN, AND MUST HOLD A MINIMUM OF 200 GALLONS. THE ACTUAL SIZE REQUIRED WILL BE BASED ON A RESOURCE INVENTORY.
3. WATER COLLECTED WITHIN THE RESERVOIR MUST BE PROTECTED FROM EVAPORATION.
4. THE GUZZLER SHALL BE INSTALLED ON A LEVEL, CLEAN SURFACE. INSTALLATION WILL BE BELOW GROUND UNLESS OTHERWISE NOTED. FENCING WILL BE INSTALLED TO PROTECT THE UNIT FROM LIVESTOCK AND/OR FERAL HOGS UNLESS OTHERWISE NOTED.
5. THE DRINKING TROUGH PORTION SHALL BE AT MINIMUM OF 12" WIDE AND ANGLED TO PROVIDE AN "ESCAPE RAMP" FOR BIRDS AND SMALL ANIMALS.
6. FILL RESERVOIR WITH WATER WHEN INSTALLED.

Designed	_____	Date	_____
Drawn	S. CONDIT	08/16/09	_____
Checked	_____	_____	_____
Approved	_____	_____	_____

PLAN AND SECTION
 PREFABRICATED DISK TYPE COLLECTOR
 WILDLIFE GUZZLER

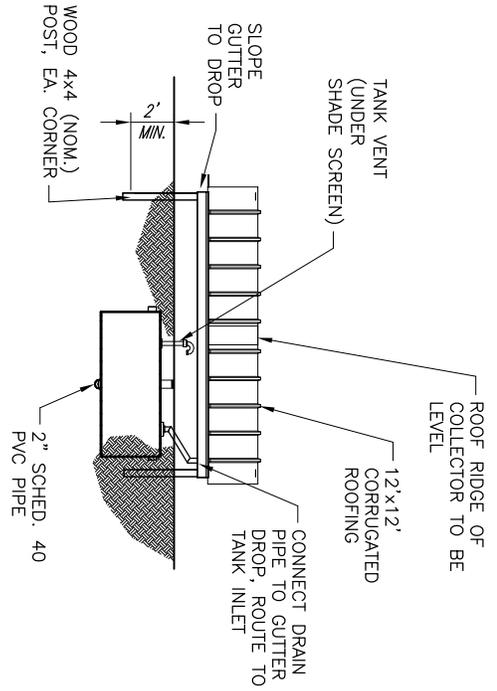


FILE NAME	75
Disk Type	Guzzler.dwg
DRAWING NO.	TX-EN-0581
SHEET	3



DISTANCE AND LOCATION TO BE DETERMINED
BY TERRAIN AND APPROVED BY
THE ENGINEER

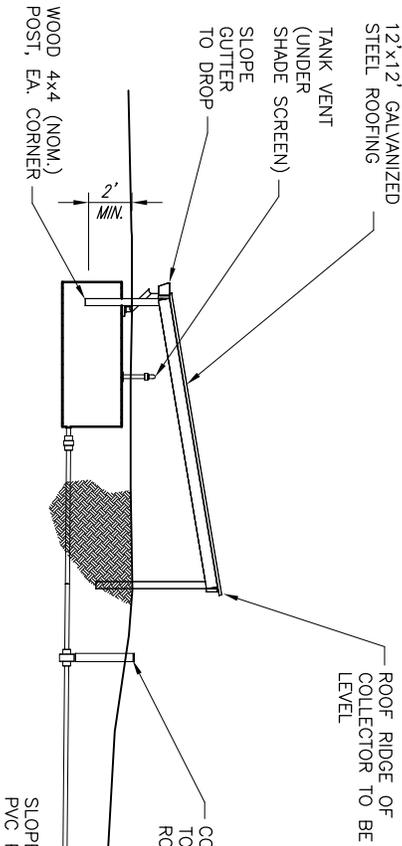
<p>FILE NAME Roof Collector Type.dwg</p> <p>DRAWING NO. TX-EN-0581</p> <p>SHEET 4</p>	 <p>Natural Resources Conservation Service United States Department of Agriculture</p>	<p>SINGLE COLLECTOR PLANS</p> <p>ROOF PANEL TYPE COLLECTOR</p> <p>WILDLIFE GUZZLER</p>	<p>Date _____</p> <p>Designed _____</p> <p>Drawn <u>S. CONDIT</u> <u>08/16/09</u></p> <p>Checked _____</p> <p>Approved _____</p>
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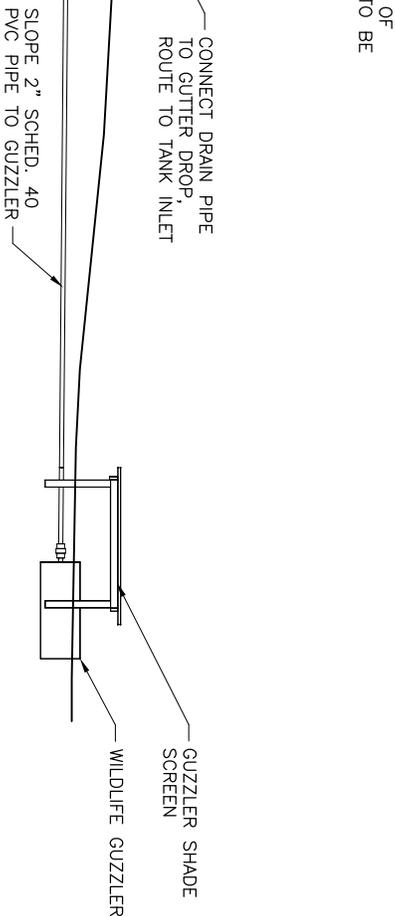
**SINGLE ROOF COLLECTOR
END ELEVATION**

- GENERAL NOTES:**
1. ACTUAL STORAGE REQUIREMENTS TO BE BASED ON RESOURCE INVENTORY AND TARGETED SPECIES. ROOF COLLECTION AREA AND SUPPORTING FRAMEWORK TO BE EXTENDED CONSISTENT WITH BASE CONFIGURATION TO PROVIDE NECESSARY COLLECTION AREA.
 2. STORAGE TANK WILL BE BURIED OR ANCHORED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. ALTERNATIVES TO PIPE CONFIGURATION WILL BE AS APPROVED BY THE ENGINEER.
 3. WATER TROUGH RAMP ALTERNATIVES MAY BE APPROVED BY THE ZONE BIOLOGIST OR ENGINEER.
 4. THE UNIT SHALL BE PROTECTED FROM LIVESTOCK AND/OR FERAL HOGS WITH FENCING.

QUANTITY	MATERIAL
174 FT. SQ.	CORRUGATED ROOFING
25	ROOFING SCREWS, 9x1 1/2 W/SEALING WASHER, ZINC PLATED W/1/4" HEX HEAD
1 GALLON	EXTERIOR PAINT
20 LIN. FT.	WOOD - 4x4 (NOM.)
84 LIN. FT.	WOOD - 2x6 (NOM.)
28 LIN. FT.	WOOD - 2x4 (NOM.)
-	WOOD SCREWS (FRAMING)
6	GUSSET ANGLES - 4 HOLE
2	GUSSET ANGLES - 2 HOLE
12 FT.	ALUMINUM GUTTER
2	ALUMINUM GUTTER - END CAPS
8 FT.	ALUMINUM GUTTER - DOWNSPOUT
1	ALUMINUM GUTTER - SEAM JOINER
2	ALUMINUM GUTTER - DOWNSPOUT ELBOWS
6	GUTTER - SPIKE AND FERRULE HANGER (24" MAX. SPACING)
10 ft.	FLEXIBLE PIPE (IN LIEU OF OR COMBINED WITH DOWNSPOUT)
1	PLASTIC TANK (MIN. 500 GALLON - BURIED)
1 (OPTION)	CONCRETE TROUGH TYPE WILDLIFE GUZZLER WITH FLOAT BOX
1 (OPTION)	METAL TROUGH TYPE WILDLIFE GUZZLER WITH FLOAT BOX



**SINGLE ROOF COLLECTOR
SIDE ELEVATION**

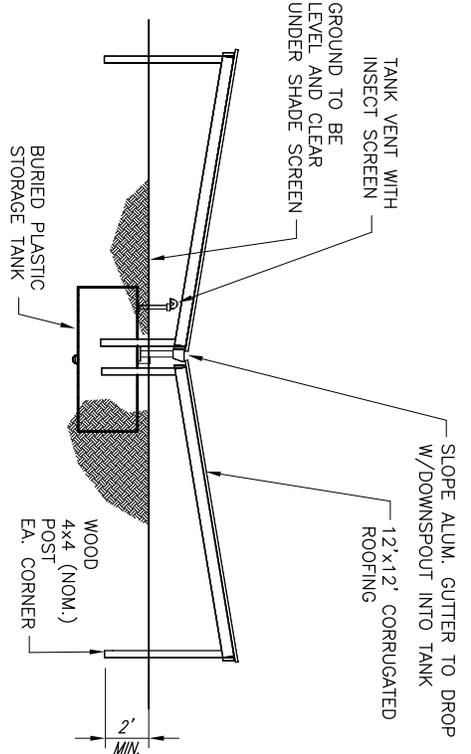


ELEVATIONS
ROOF PANEL TYPE COLLECTOR
WILDLIFE GUZZLER

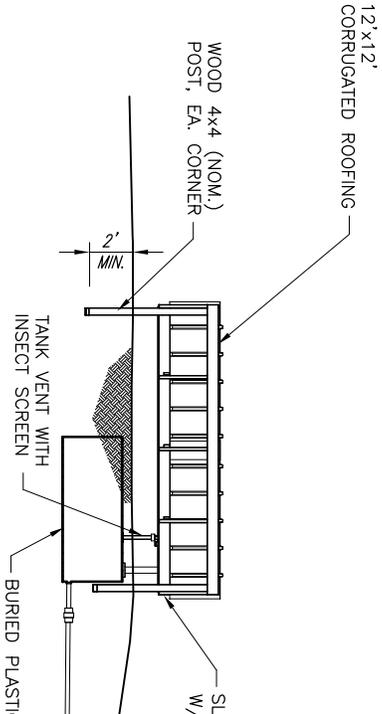
Designed	Date
Drawn S. CONDIT	08/16/09
Checked	
Approved	

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

FILE NAME: Roof Collector Type.dwg
DRAWING NO.: TX-EN-0581
SHEET: 5



**DOUBLE PANEL
ELEVATION END VIEW**



**DOUBLE PANEL
ELEVATION LENGTHWISE VIEW**

GENERAL NOTES:

1. ACTUAL STORAGE REQUIREMENTS TO BE BASED ON RESOURCE INVENTORY AND TARGETED SPECIES. ROOF COLLECTION AREA AND SUPPORTING FRAMEWORK TO BE EXTENDED CONSISTENT WITH BASE CONFIGURATION TO PROVIDE NECESSARY COLLECTION AREA.
2. STORAGE TANK WILL BE BURIED OR ANCHORED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. ALTERNATIVES TO PIPE CONFIGURATION WILL BE AS APPROVED BY THE ENGINEER.
3. WATER TROUGH RAMP ALTERNATIVES MAY BE APPROVED BY THE ZONE BIOLOGIST OR ENGINEER.
4. THE UNIT SHALL BE PROTECTED FROM LIVESTOCK AND/OR FERAL HOGS WITH FENCING.

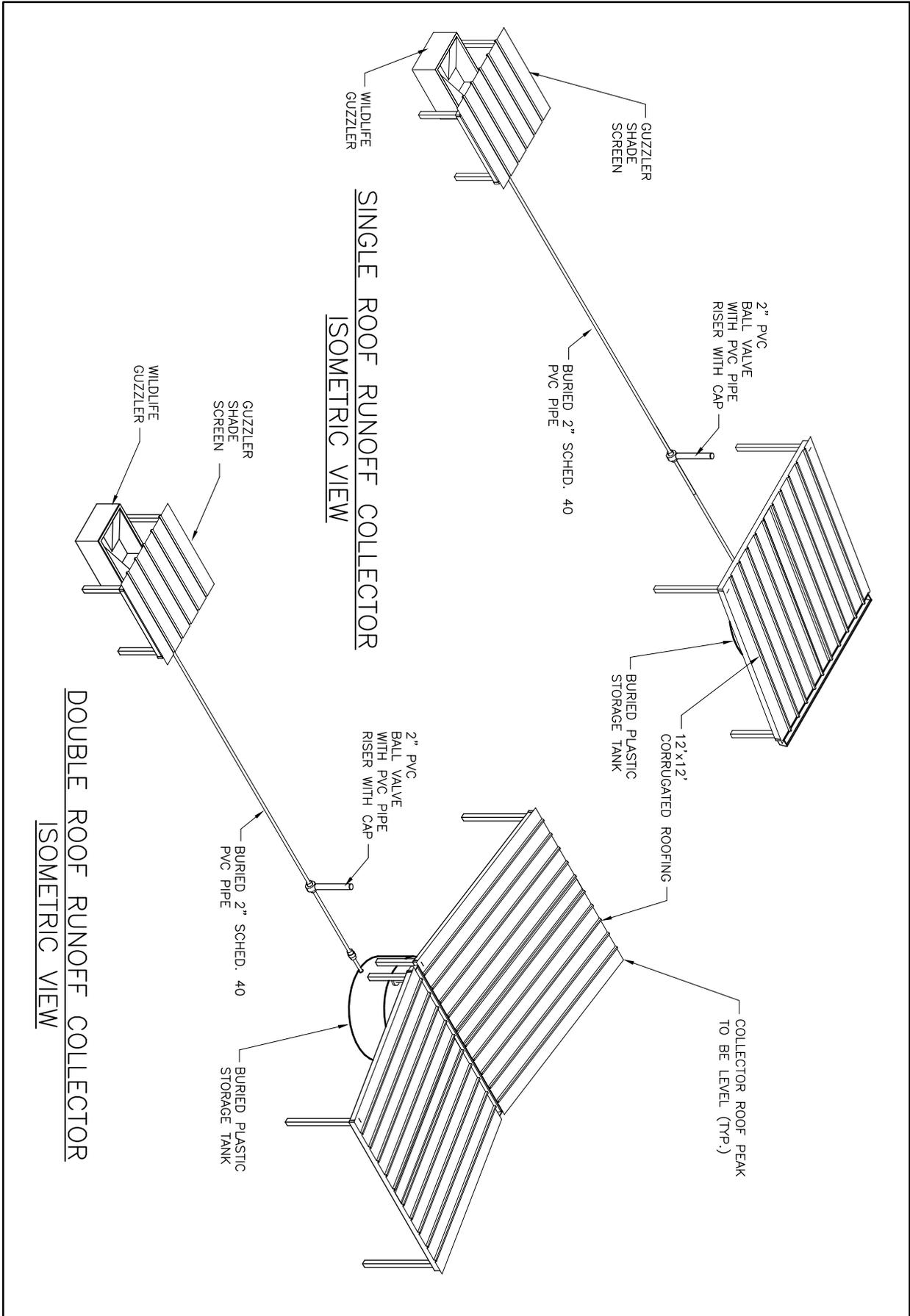
QUANTITY	MATERIAL
348 FT. SQ.	CORRUGATED ROOFING
50	ROOFING SCREWS, 9x1 1/2 W/SEALING WASHER, ZINC PLATED W/1/4" HEX HEAD
1 GALLON	EXTERIOR PAINT
40 LIN. FT.	WOOD - 4X4 (NOM.)
168 LIN. FT.	WOOD - 2X6 (NOM.)
56 LIN. FT.	WOOD - 2X4 (NOM.)
-	WOOD SCREWS (FRAMING)
12	GUSSET ANGLES - 4 HOLE
2	GUSSET ANGLES - 2 HOLE
12 FT.	ALUMINUM GUTTER
2 FT.	ALUMINUM GUTTER - END CAPS
8 FT.	ALUMINUM GUTTER - DOWNSPOUT
1	ALUMINUM GUTTER - SEAM JOINER
2	ALUMINUM GUTTER - DOWNSPOUT ELBOWS
6	GUTTER - SPIKE AND FERRULE HANGER (24" MAX. SPACING)
10 ft.	FLEXIBLE PIPE (IN LIEU OF OR COMBINED WITH DOWNSPOUT)
1	PLASTIC TANK (MIN. 500 GALLON - BURIED)
1 (OPTION)	CONCRETE TROUGH TYPE WILDLIFE GUZZLER WITH FLOAT BOX
1 (OPTION)	METAL TROUGH TYPE WILDLIFE GUZZLER WITH FLOAT BOX

**ELEVATIONS
ROOF PANEL TYPE COLLECTOR
WILDLIFE GUZZLER**

Date _____
 Designed _____
 Drawn S. CONDIT 08/18/10
 Checked _____
 Approved _____

75 **NRCS**
 Natural Resources Conservation Service
 United States Department of Agriculture

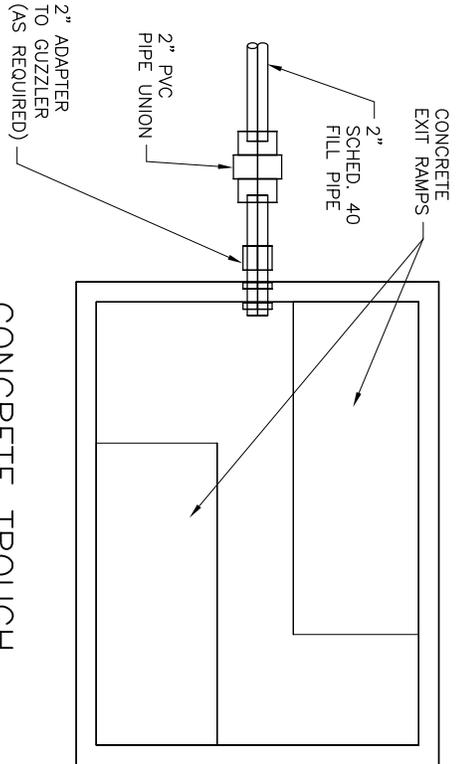
FILE NAME: Roof Collector Type.dwg
 DRAWING NO.: TX-EN-0581
 SHEET: 7



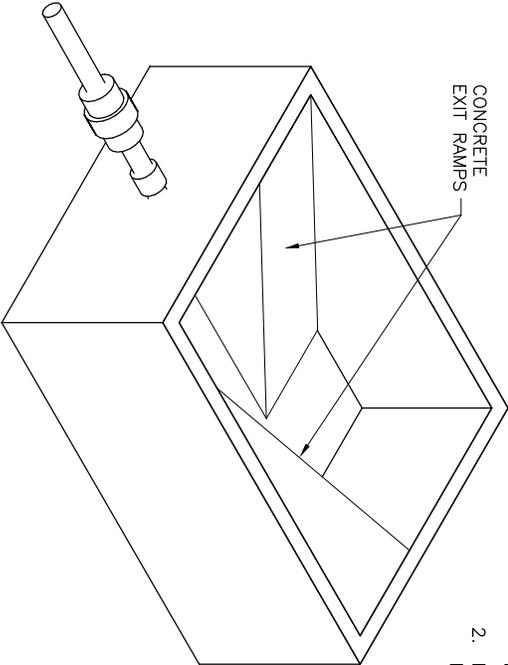
**SINGLE ROOF RUNOFF COLLECTOR
ISOMETRIC VIEW**

**DOUBLE ROOF RUNOFF COLLECTOR
ISOMETRIC VIEW**

SHEET 8	FILE NAME Roof Collector Type.dwg	 NRCS Natural Resources Conservation Service United States Department of Agriculture	ISOMETRIC VIEWS SINGLE AND DOUBLE ROOF PANEL TYPE COLLECTORS WILDLIFE GUZZLER		Date _____
	DRAWING NO. TX-EN-0581		Designed _____	Drawn <u>S. CONDIT</u>	08/16/09
			Checked _____		
			Approved _____		

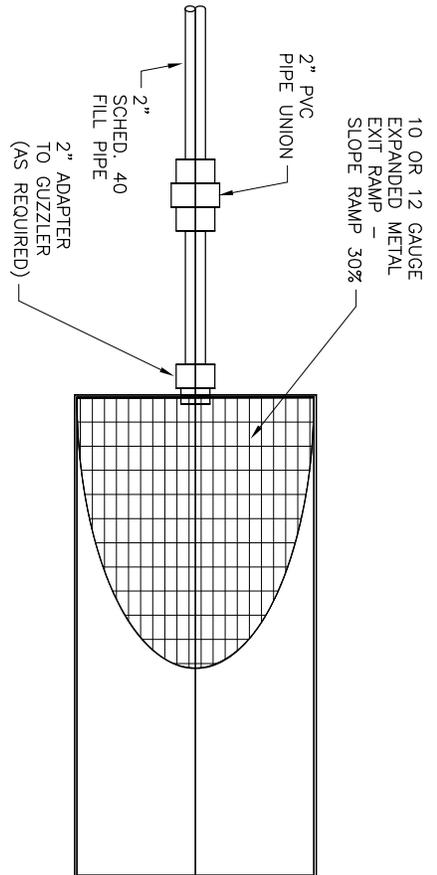


CONCRETE TROUGH
PLAN VIEW

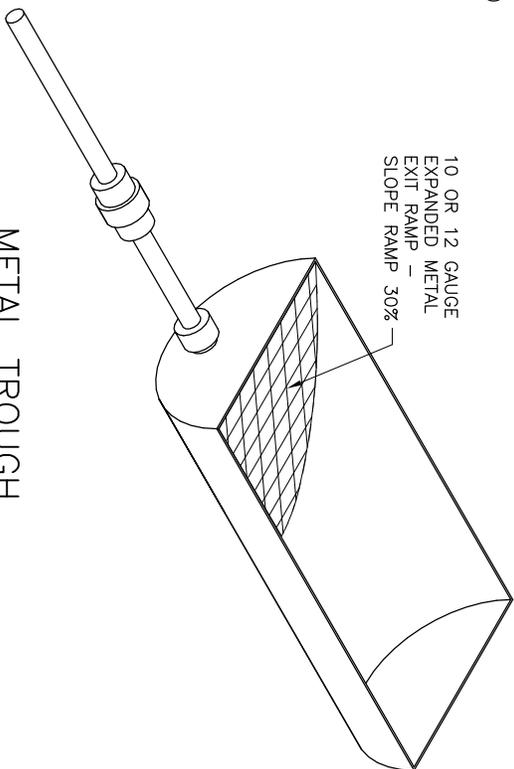


CONCRETE TROUGH
ISOMETRIC VIEW

- NOTE:
1. RAMP ALTERNATIVES MAY BE APPROVED BY THE ZONE BIOLOGIST OR ENGINEER
 2. FLOAT VALVE TO BE INSTALLED (NOT SHOWN)



METAL TROUGH
PLAN VIEW



METAL TROUGH
ISOMETRIC VIEW