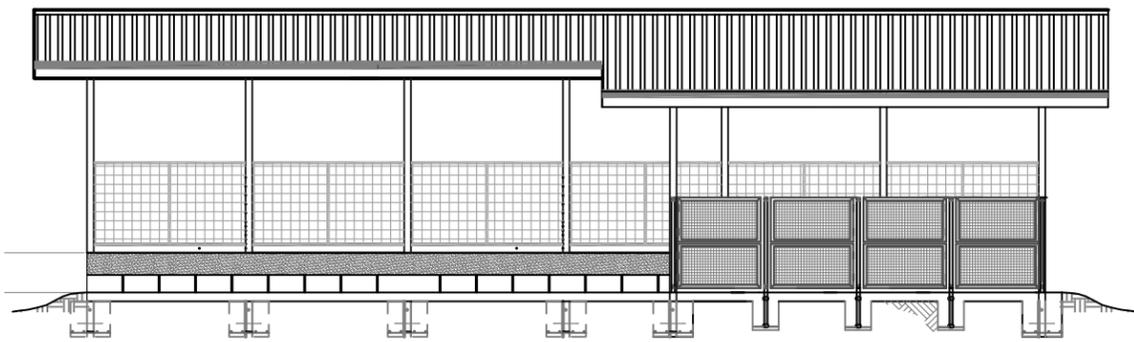


AS-EPA 6 PEN DRY-LITTER PIGGERY DESIGN (TYPE 2)

SHEET NO: 1	
DATE:	REVISION:
5/26/09	1
6/17/09	2
8/17/10	3
DRAWN BY: B.R.	
CHECKED BY: M.V.	
PROJECT MGR:	
 	
PROJECT: ENGINEERING DESIGNS FUNDED BY ANA GRANT "PIGS IN PARADISE"	
SHEET TITLE: TITLE SHEET	
CLIENT:	
SCALE: AS SHOWN	
CASE NO.:	
DATE:	
SHEET NO.:	
1 OF 4	

CLIENT: _____

VILLAGE: _____



This dry litter piggery design has been approved by the American Samoa Environmental Protection Agency on _____ (Date)

GENERAL CONDITIONS

- AS-EPA must be notified at least one week before construction activity begins. A pre-construction meeting on-site with AS-EPA is required before any construction starts. To schedule a pre-construction meeting, contact the AS-EPA Compliance Assistance Officer at 633-2304.
- AS-EPA must be notified when construction is complete. A final walk-thru inspection must be conducted by AS-EPA before pigs can be placed in the new piggery.

DRY LITTER DESIGN NOTES

- All pen floors are to be sloped at 6%. In other words for every 10 feet in length a pen floor must drop 7 inches in the direction indicated on the construction drawings.
- The roof must extend at least 2-feet beyond all compost bins, pig pens, and dry litter alleys.
- Rain gutters must be installed where indicated on construction drawings.
- New hog panel walls must be reinforced as indicated on construction drawings. New concrete slabs must be a minimum of 4 inches in thickness reinforced with mesh wire.
- All concrete must be 3000 psi.
- Concrete columns can be used instead of galvanized 3-inch square tubing as indicated on construction drawings with prior approval from the engineer.
- All weld points must be painted with a zinc based or anti-corrosive paint.
- Water nipples should be attached to hog panels 2-feet from the dry litter alley. Water nipples must be attached using galvanized fittings and must connect to a pressurized water source.

DRY LITTER OPERATIONAL NOTES

- This is a dry system. Water must never be used to clean pens.
- Operators are required to have a 30" stainless steel compost thermometer.
- A carbon source such as wood chips must be added to each pen on a regular basis to absorb moisture and control odors.
- Waste must be shoveled periodically and out of the dry litter alley and into the compost bins.
- Composting waste must be rotated between the composting bins every two weeks to allow for proper aeration.
- Compost bins must be kept dry.
- All pens must use a water nipple to supply water to the animals

DRAWING LIST

- Sheet 1: Title Sheet
- Sheet 2: Floor Plan, Water Supply Plan & Dry Litter Alley Cross-Section
- Sheet 3: Building Profiles & Compost Bin Details
- Sheet 4: Roof Framing Plan & Details

NRCS STANDARDS & SPECIFICATIONS NOTES

Construction shall comply with the American Samoa EFOTG website:
(http://efotg.nrcs.usda.gov/efotg_locator.aspx?map=PB)

See standard and specifications for each of the following practices:

- Waste Treatment, Practice 629
- Composting Facility, Practice 317
- Manure Transfer, Practice 634
- Roof Runoff Structure, Practice 558
- Heavy Use Area Protection, Practice 561

1 SITE PLAN
NTS

SITE COORDINATES
LAT: _____ LOG: _____

DATE:	REVISION:

DRAWN BY:	B.R.
CHECKED BY:	M.V.
PROJECT MGR:	



PROJECT:
ENGINEERING DESIGNS FUNDED BY
ANA GRANT "PIGS IN PARADISE"

SHEET TITLE:
**FLOOR PLAN &
CROSS-SECTION**

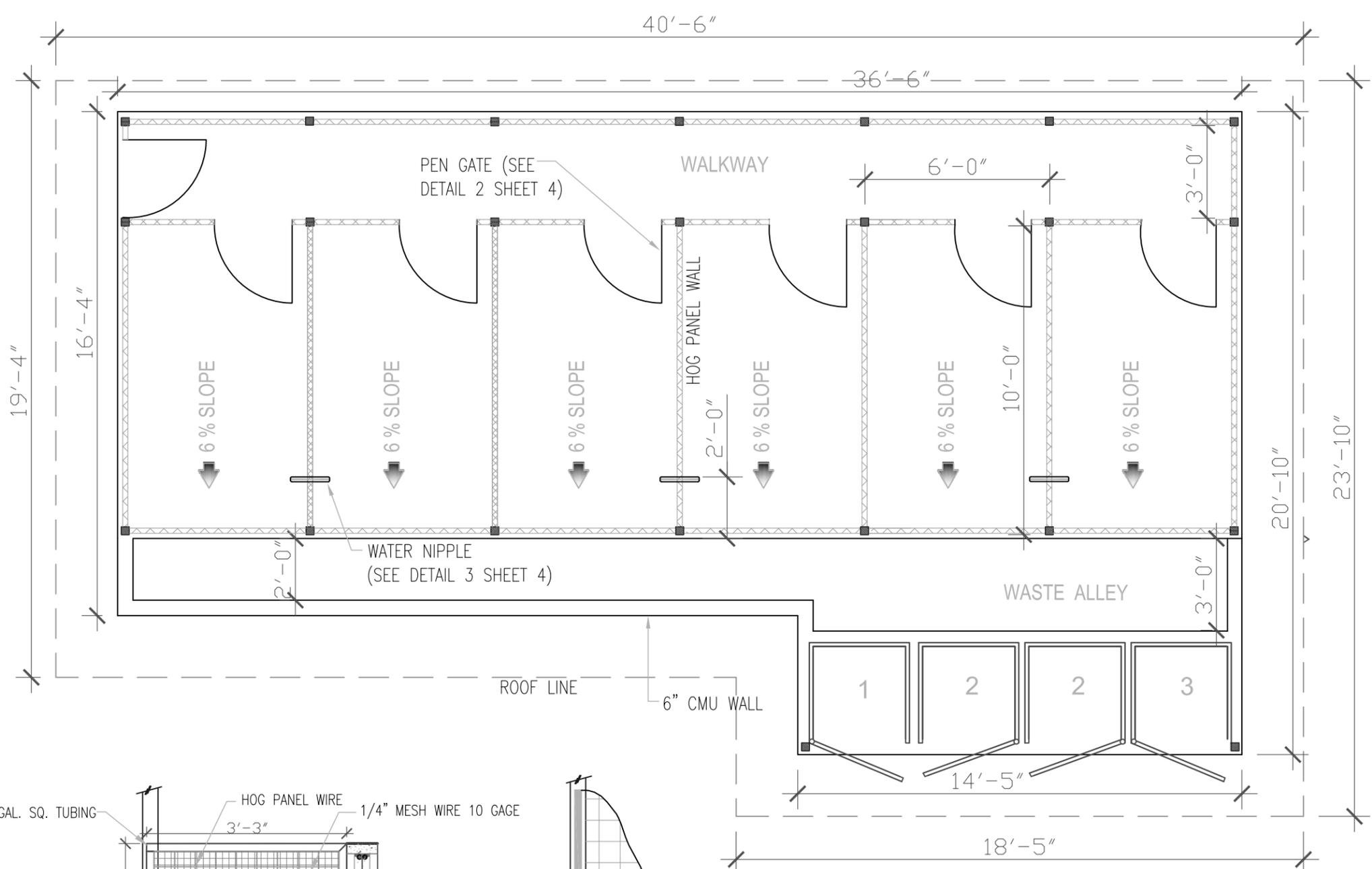
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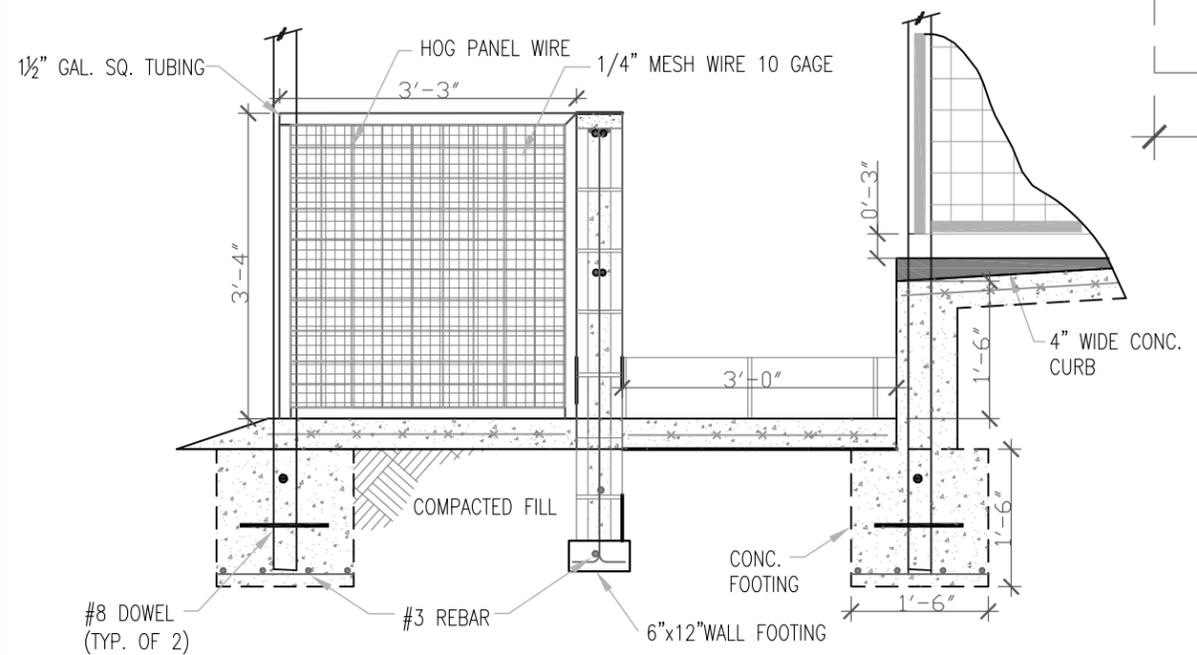
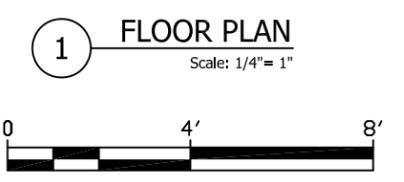
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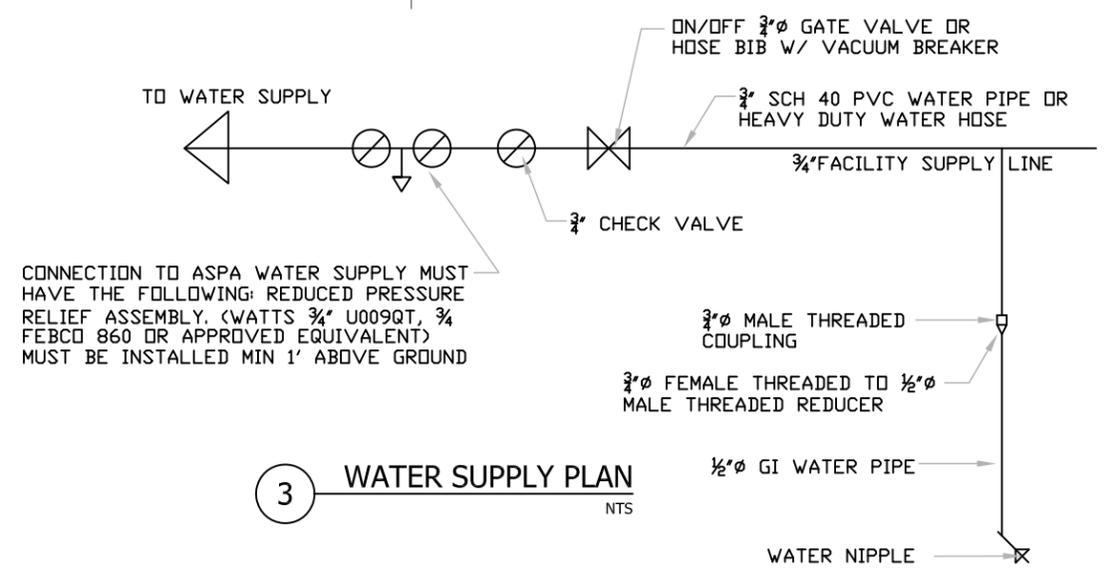
SHEET NO.



- LEGEND**
- HOG PANNEL WALL
 - EDGE OF ROOF
 - COMPOST BIN FRAME
 - 3" x 3" GALV. SQ TUBING
 - WATER NIPPLE W/TEE ON HOG PANNEL (SEE DETAIL 3 SHEET 4)



2 COMPOST BIN & DRY LITTER ALLEY CROSS SECTION
1/2"=1'



3 WATER SUPPLY PLAN
NTS

DATE:	REVISION:

DRAWN BY:	B.R.
CHECKED BY:	M.V.
PROJECT MGR:	



PROJECT: ENGINEERING DESIGNS FUNDED BY ANA GRANT "PIGS IN PARADISE"

SHEET TITLE: BUILDING PROFILES

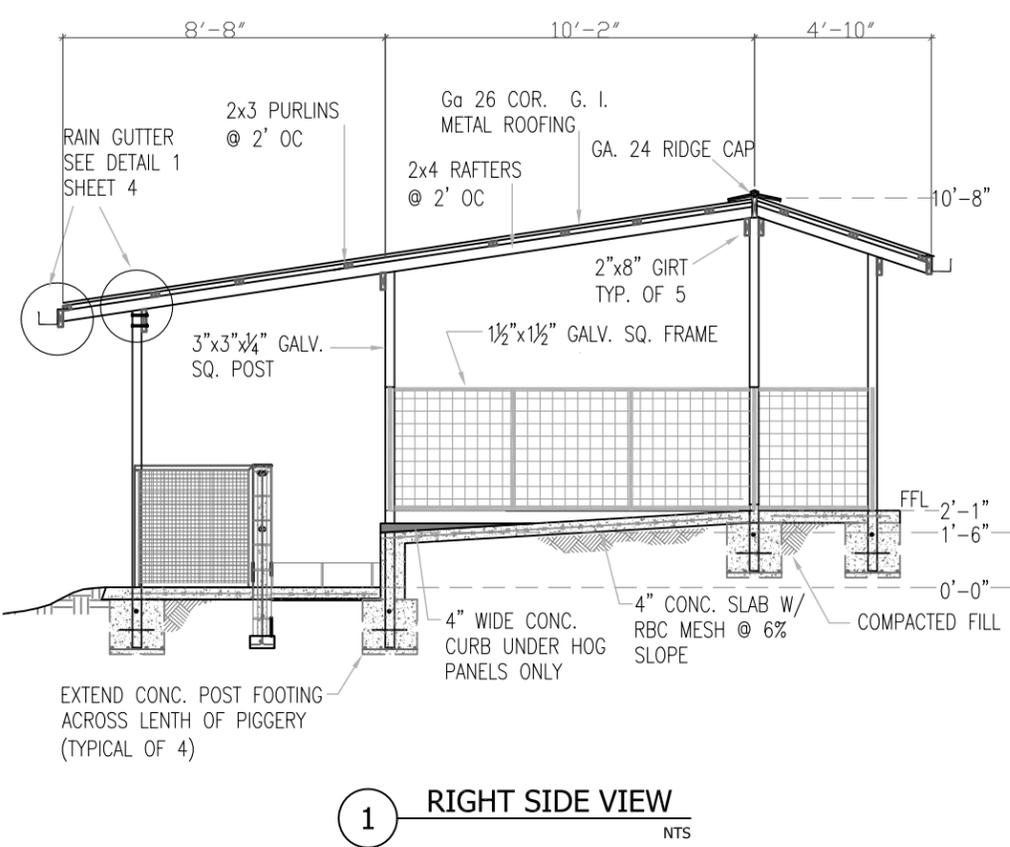
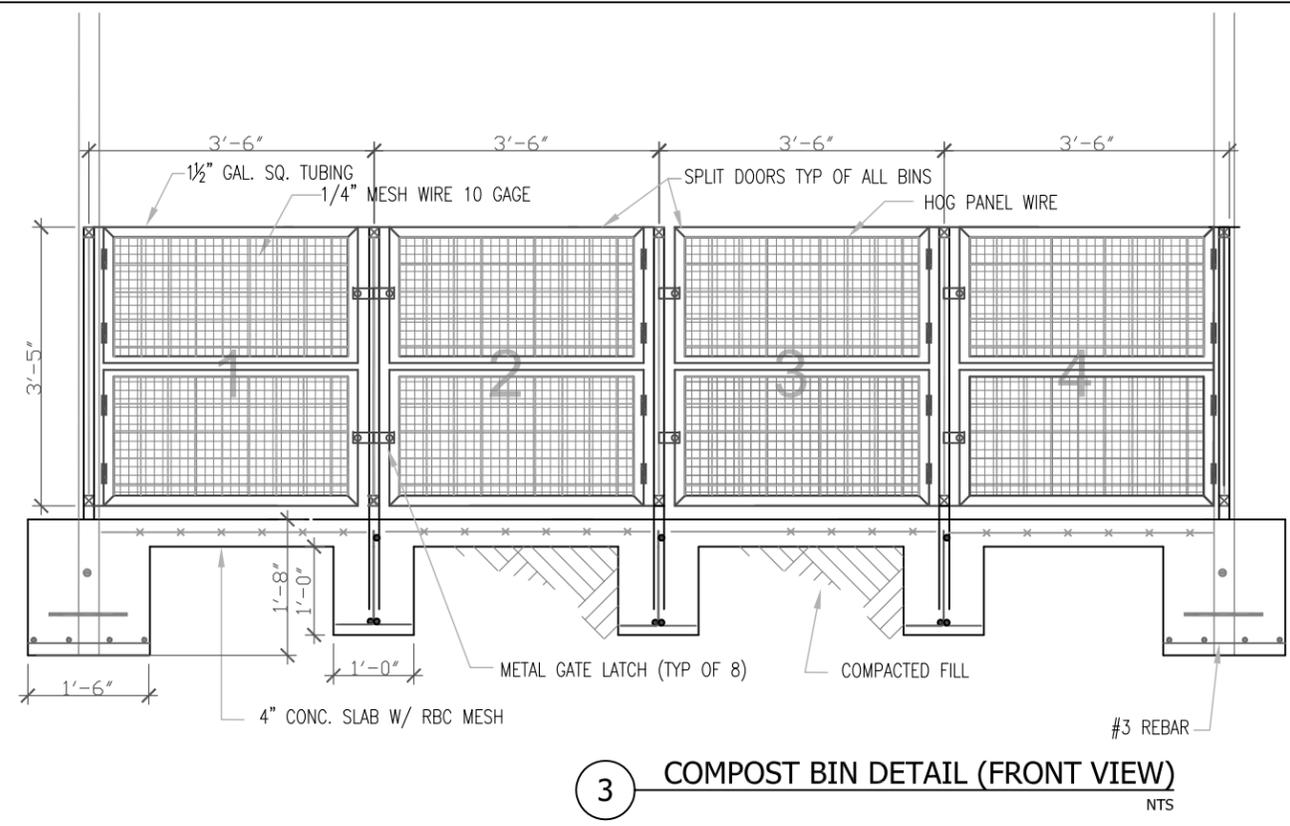
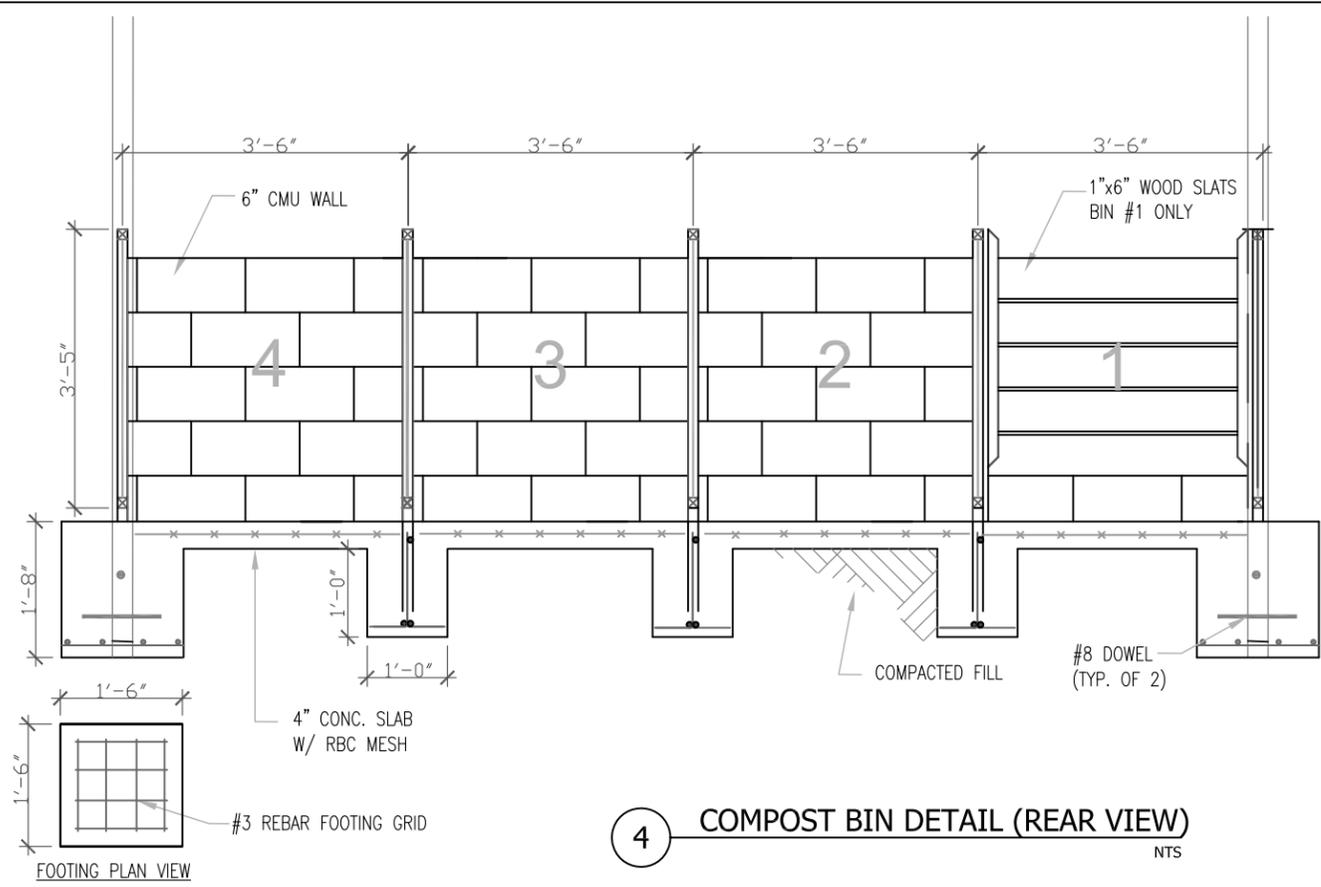
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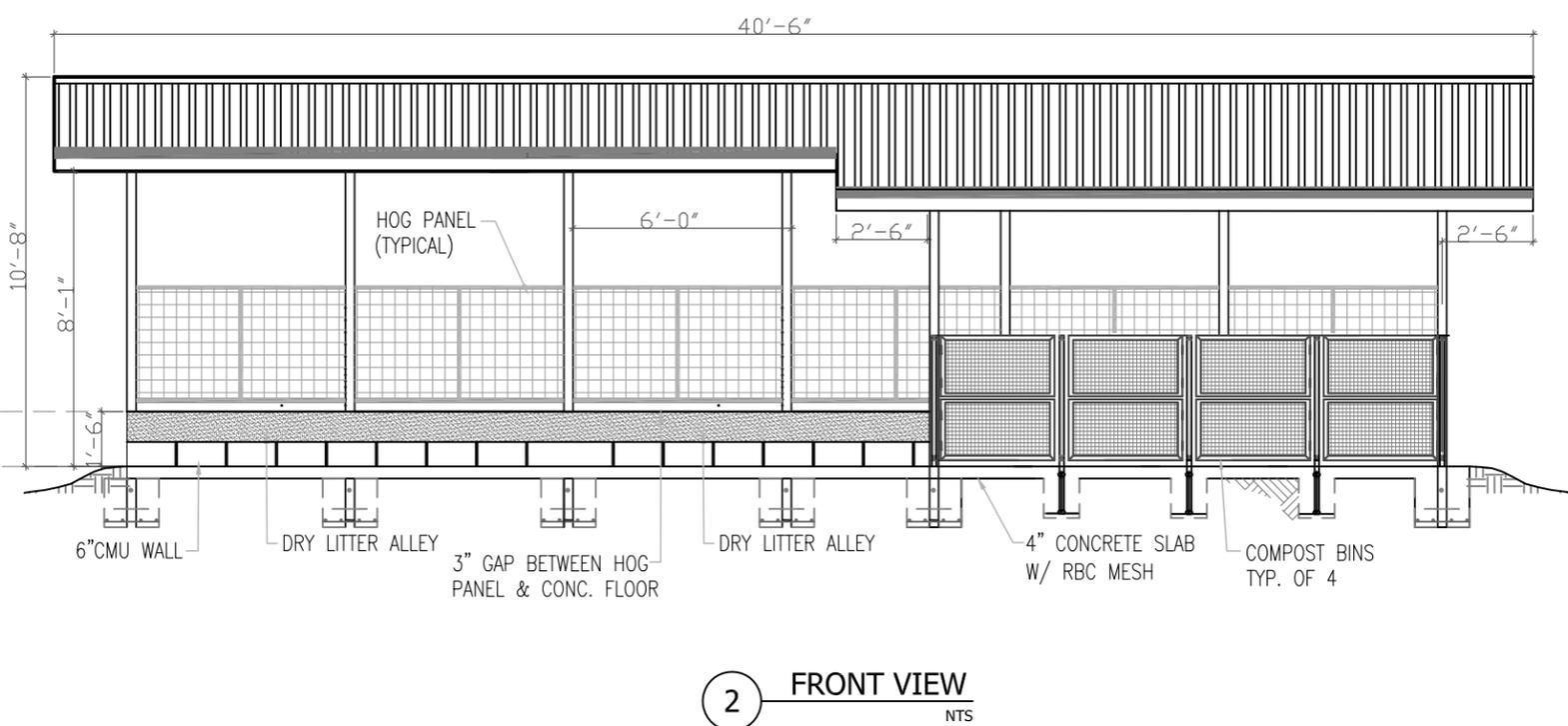
DATE:

SHEET NO.



NOTES:

1. ALL METAL ROOFING MATERIAL SHOULD BE 26 GAUGE (TRIM DECK, COLOR BOND, OR APPROVED EQUIVALENT).
2. ALL METAL ROOFING SHOULD BE FASTENED TO PURLINS BY METAL ROOF SCREWS W/ SEALING WASHER.



DATE:	REVISION:

DRAWN BY:	B.R.
CHECKED BY:	M.V.
PROJECT MGR:	



PROJECT:
ENGINEERING DESIGNS FUNDED BY
ANA GRANT "PIGS IN PARADISE"

SHEET TITLE:
**ROOF FRAMING PLAN
& DETAILS**

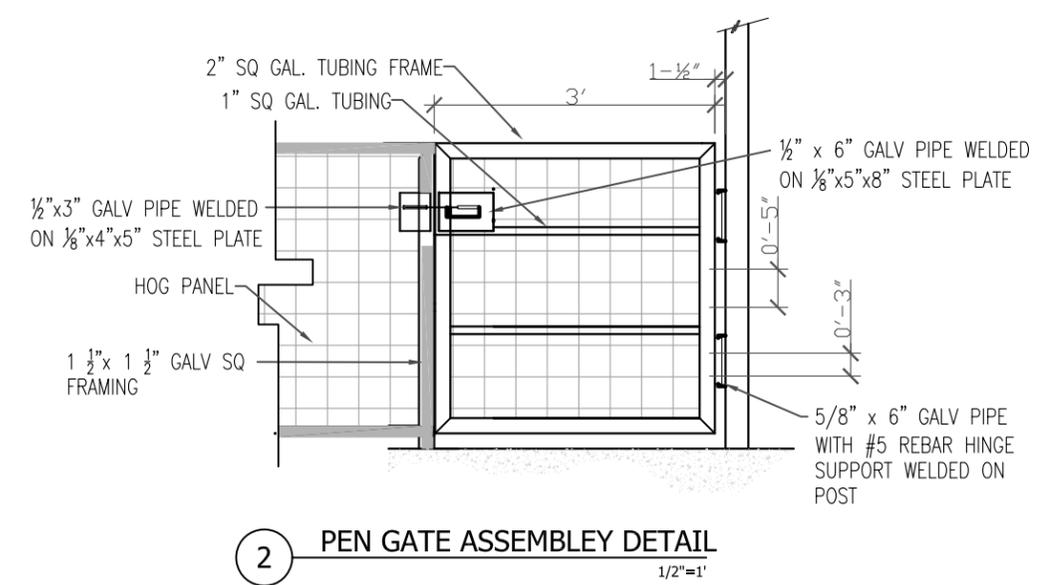
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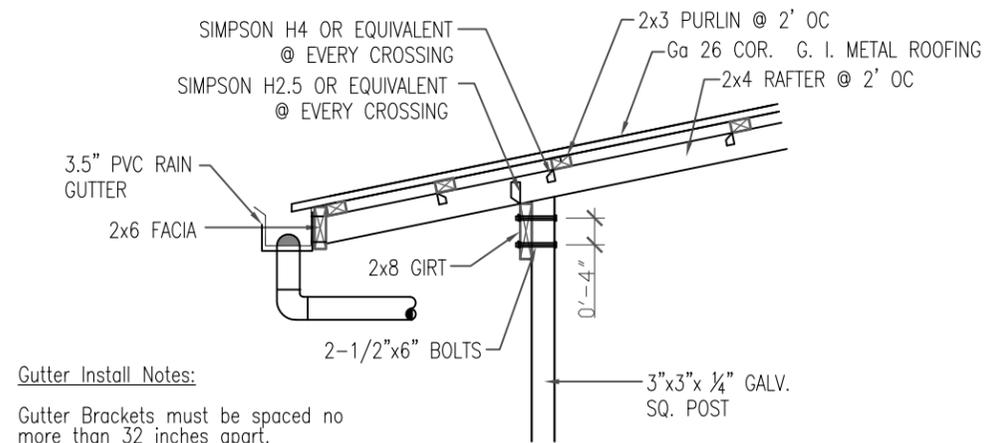
CASE NO.

DATE:

SHEET NO.

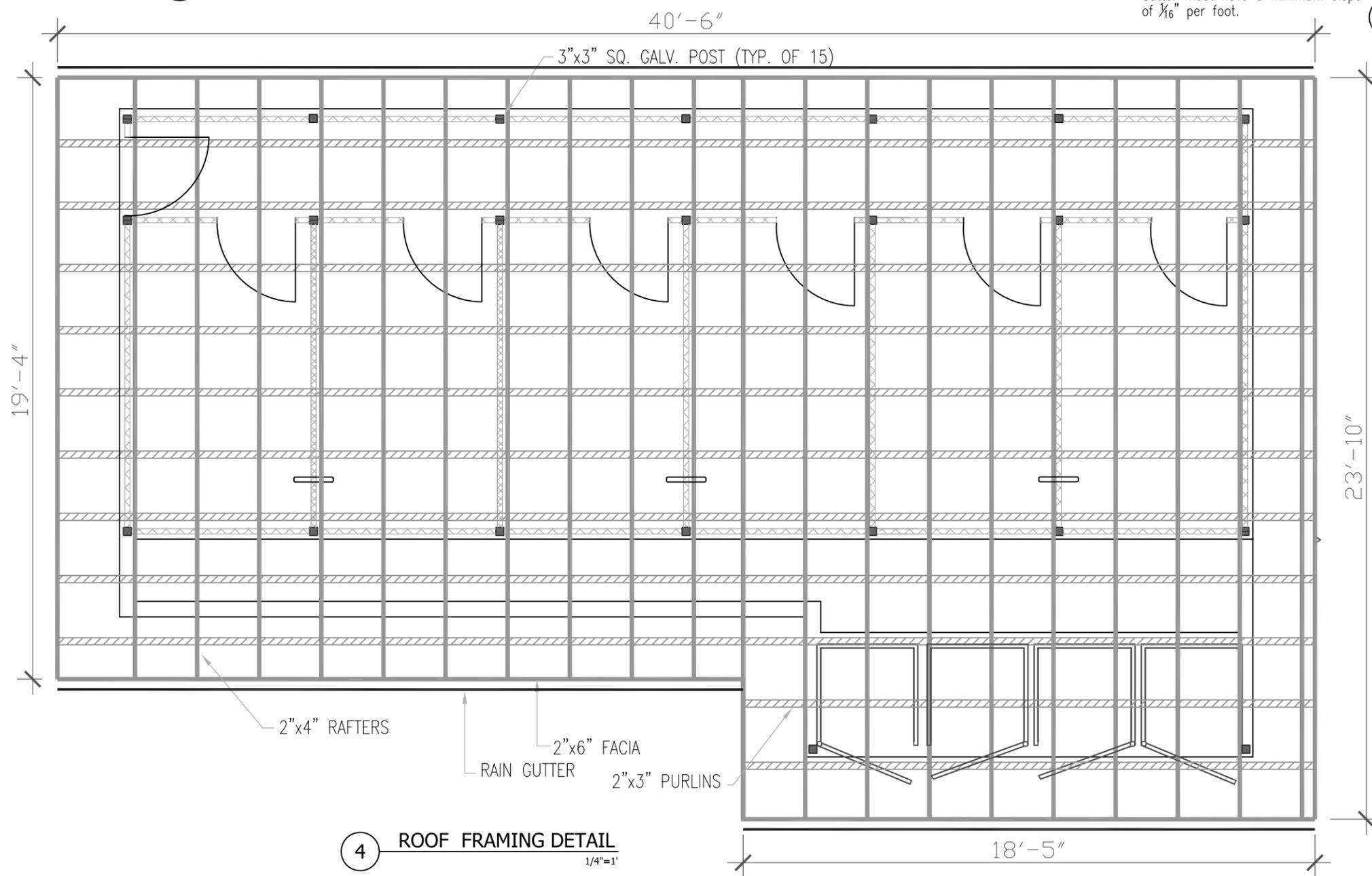


2 PEN GATE ASSEMBLY DETAIL
1/2"=1'

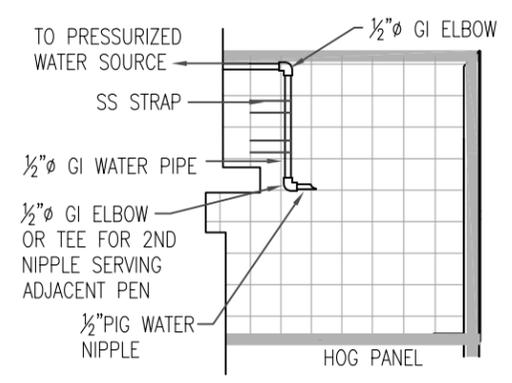


Gutter Install Notes:
Gutter Brackets must be spaced no more than 32 inches apart.
Gutter must have a minimum slope of 1/16" per foot.

1 ROOFING & GUTTER DETAIL
1/2"=1'



4 ROOF FRAMING DETAIL
1/4"=1'



3 PIG WATER NIPPLE DETAIL
1/2"=1'