

## **APPENDIX A: Mine Closure Types**

Note: This appendix includes photos of mine closure types followed by schematic diagrams of those mine closure types.



## I. BAT GATES

2 or 3 inch square bar



3 or 4 inch angle iron



## Chute Gates





## II. CUPOLAS





### III. PUF/BACKFILL (Poly- Urethane Foam Fill)





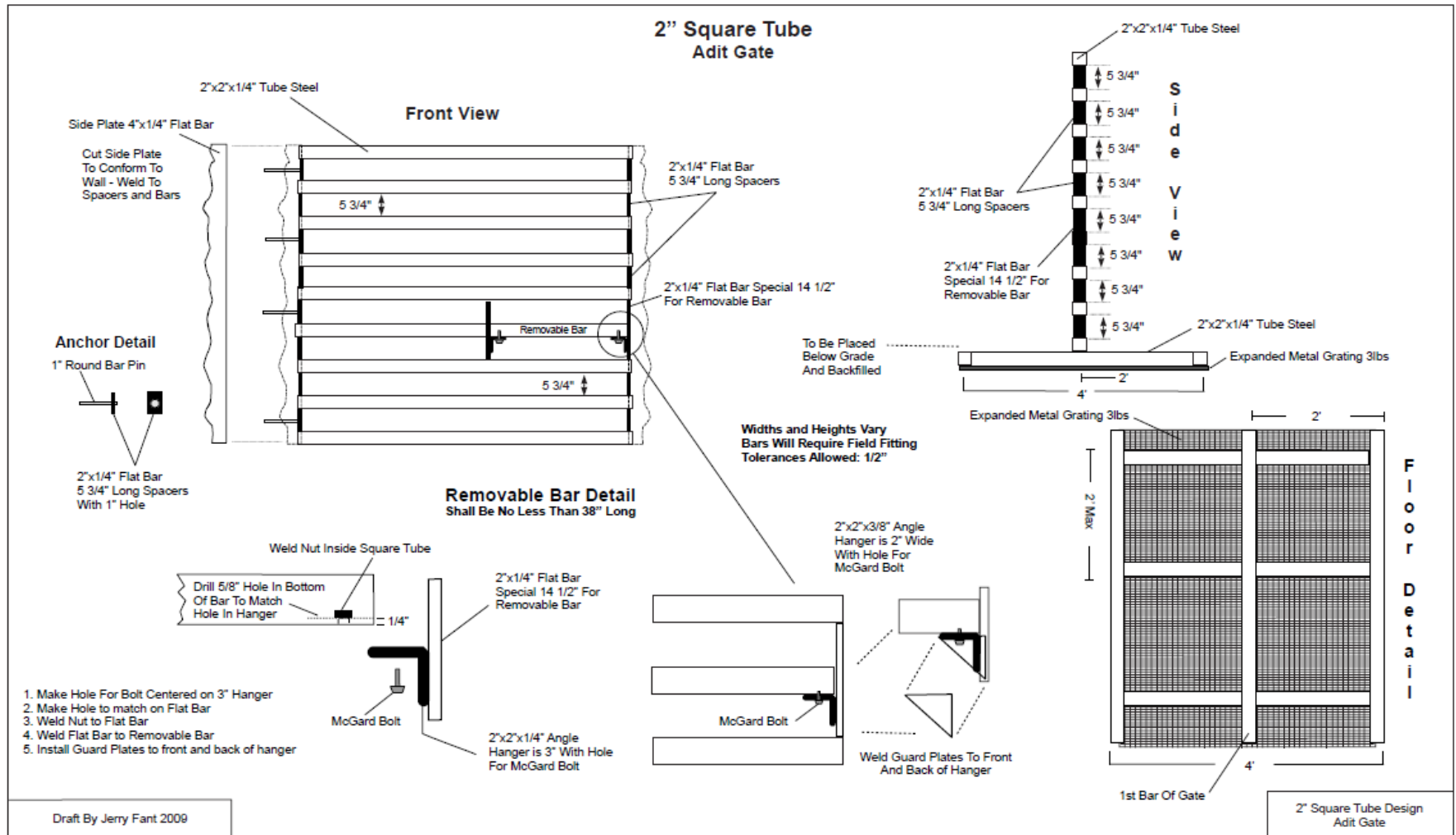
#### IV. FULL BACKFILL



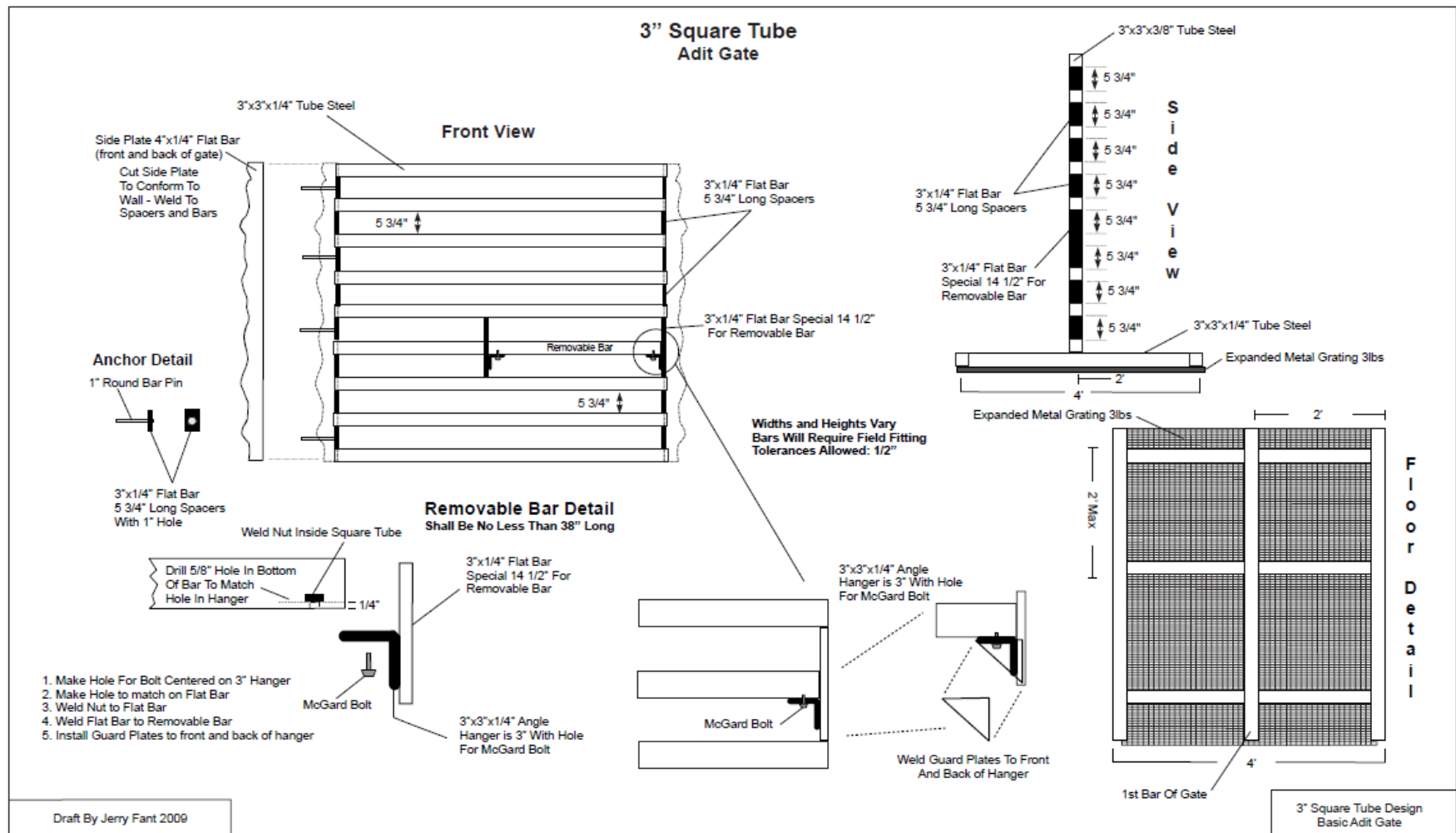
#### V. GRATES



## I. BAT GATES

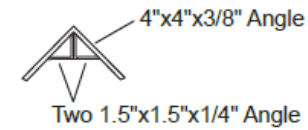
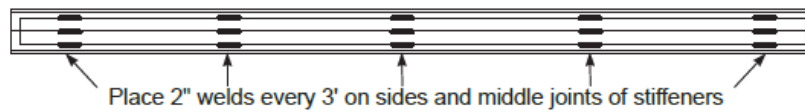






# ACCA Angle Iron Design Basic Adit Gate

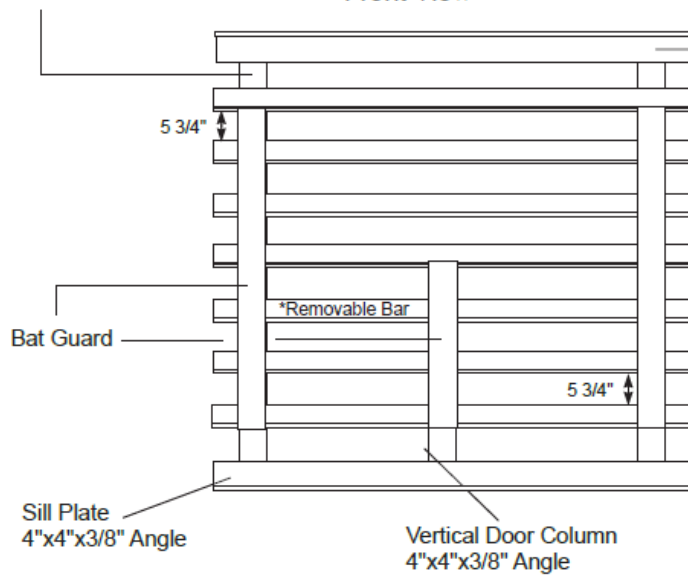
## Horizontal Bar Design with Stiffener



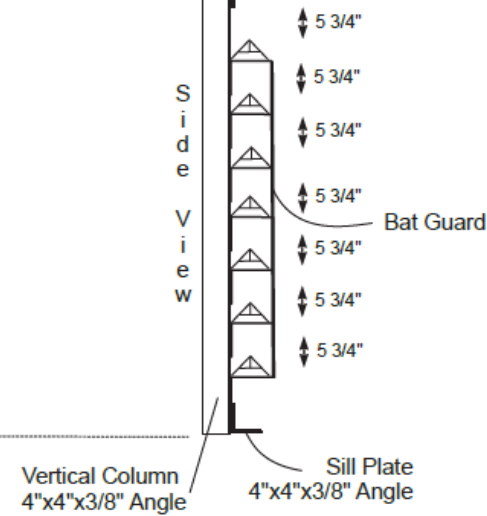
Vertical Column  
4"x4"x3/8" Angle

## Front View

Top Plate  
4"x4"x3/8" Angle



## Side View



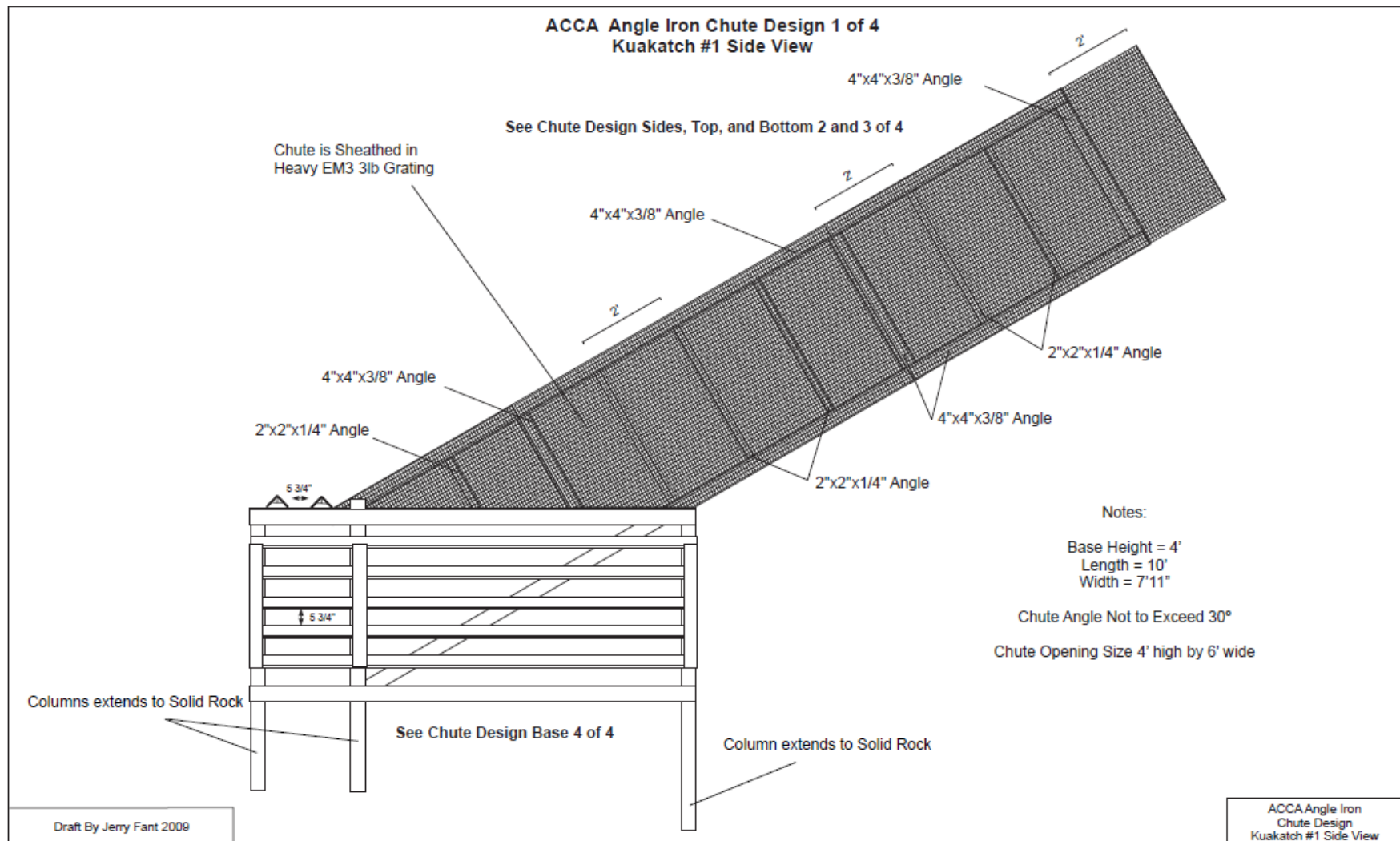
\*See specifications for Removable Bar

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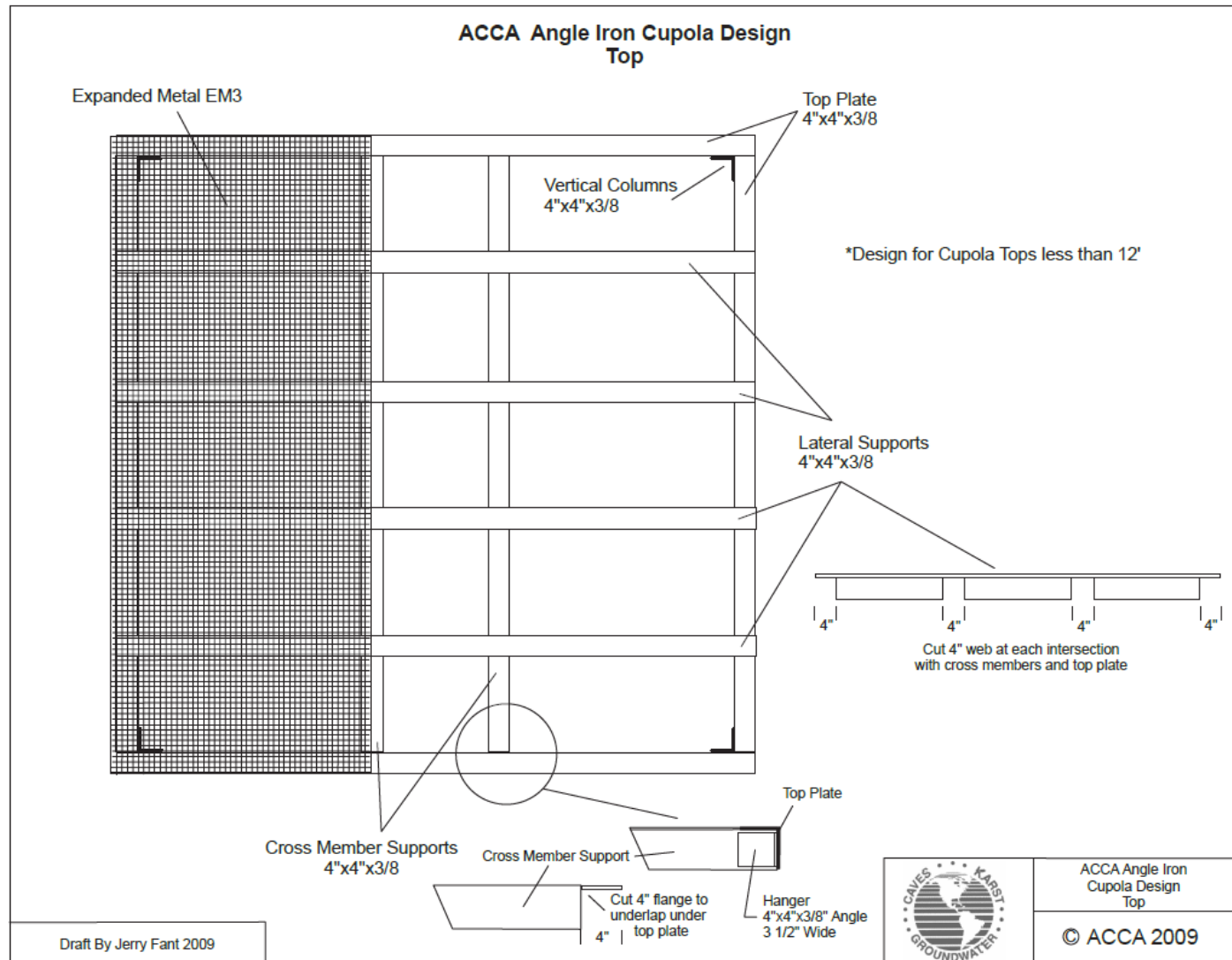
ACCA Angle Iron  
Basic Adit Gate

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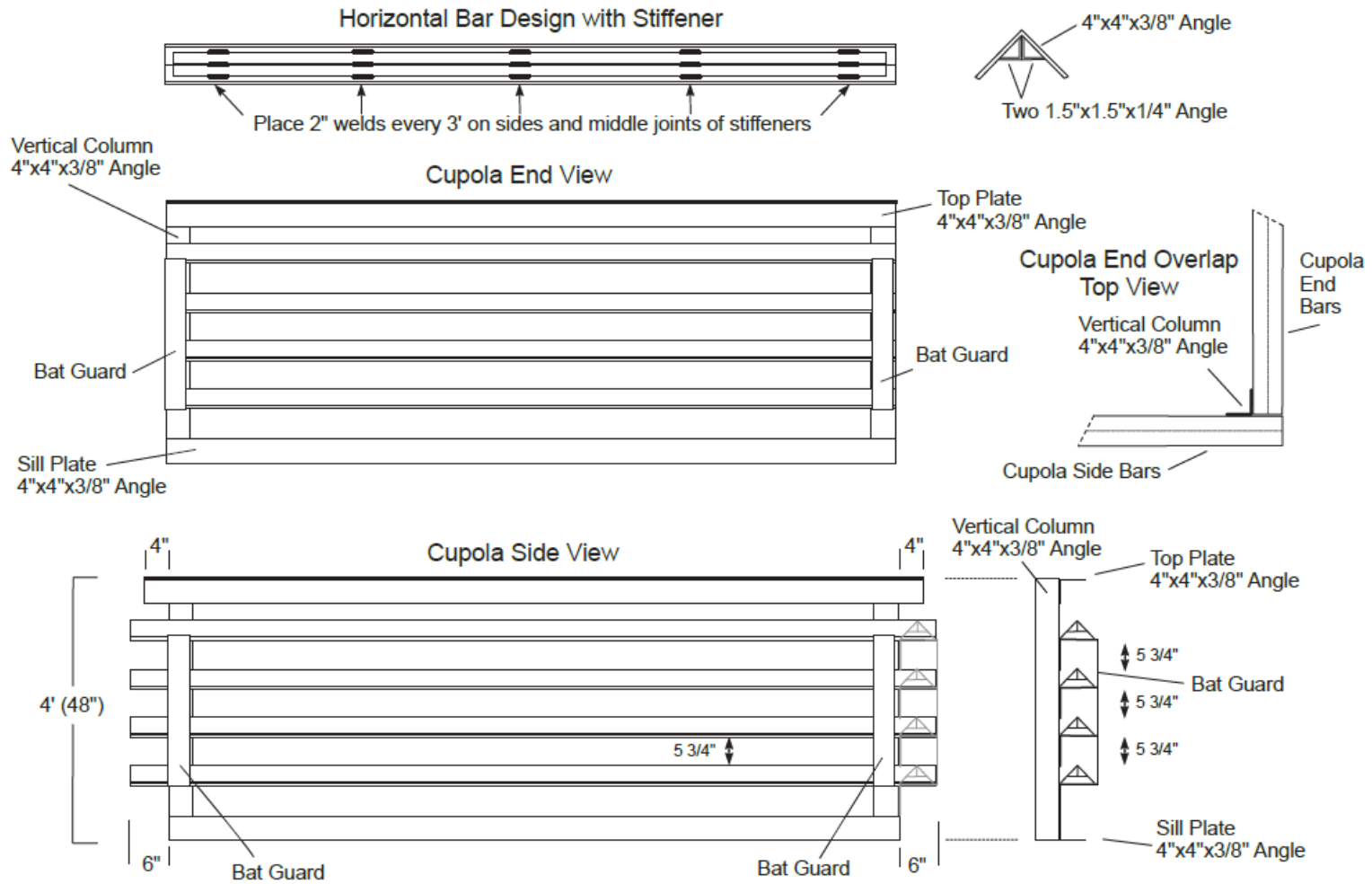




## II. CUPOLAS



## ACCA Angle Iron Cupola Design Sides



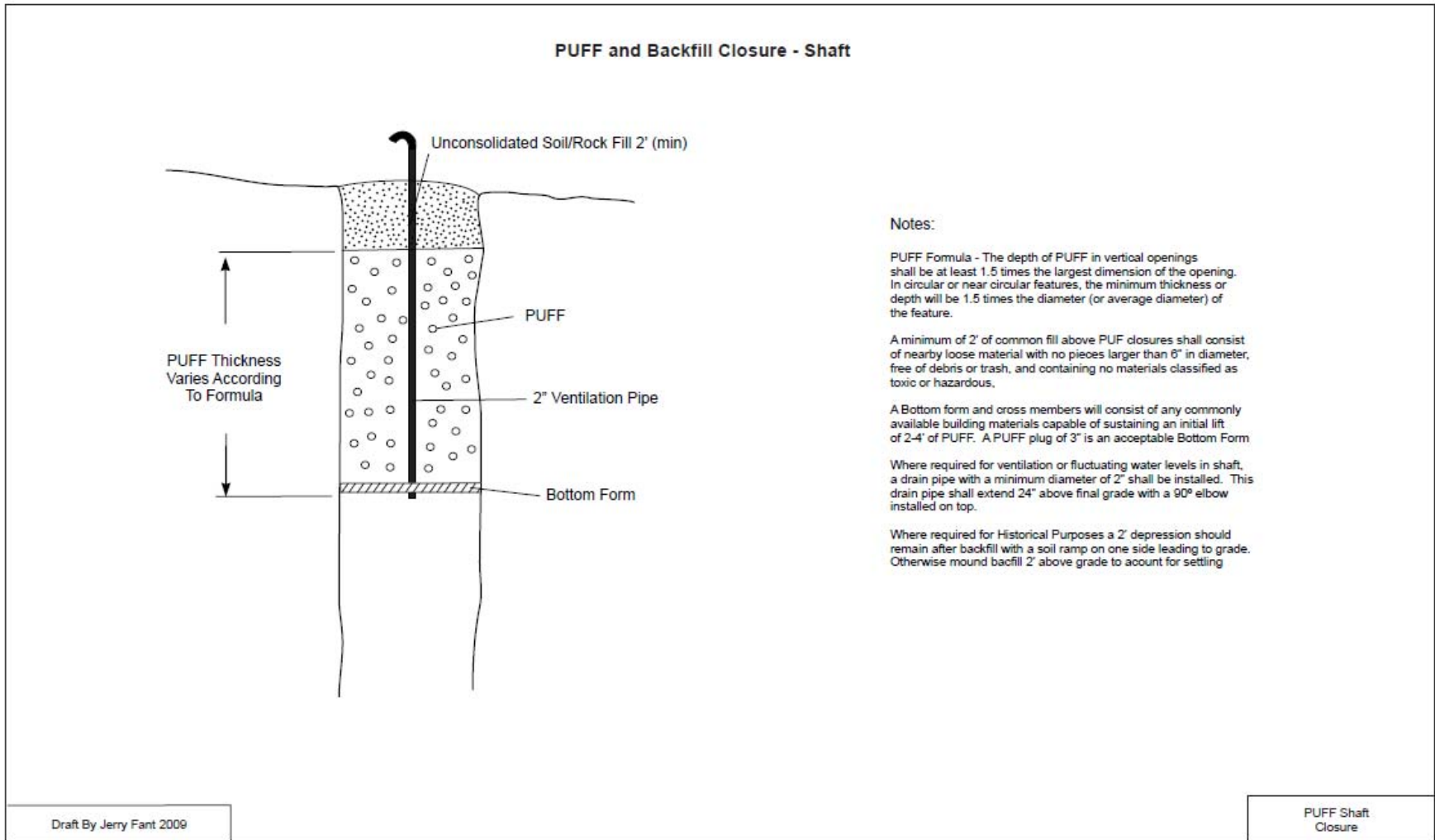
Draft By Jerry Fant 2009



ACCA Angle Iron  
Cupola Design  
Sides

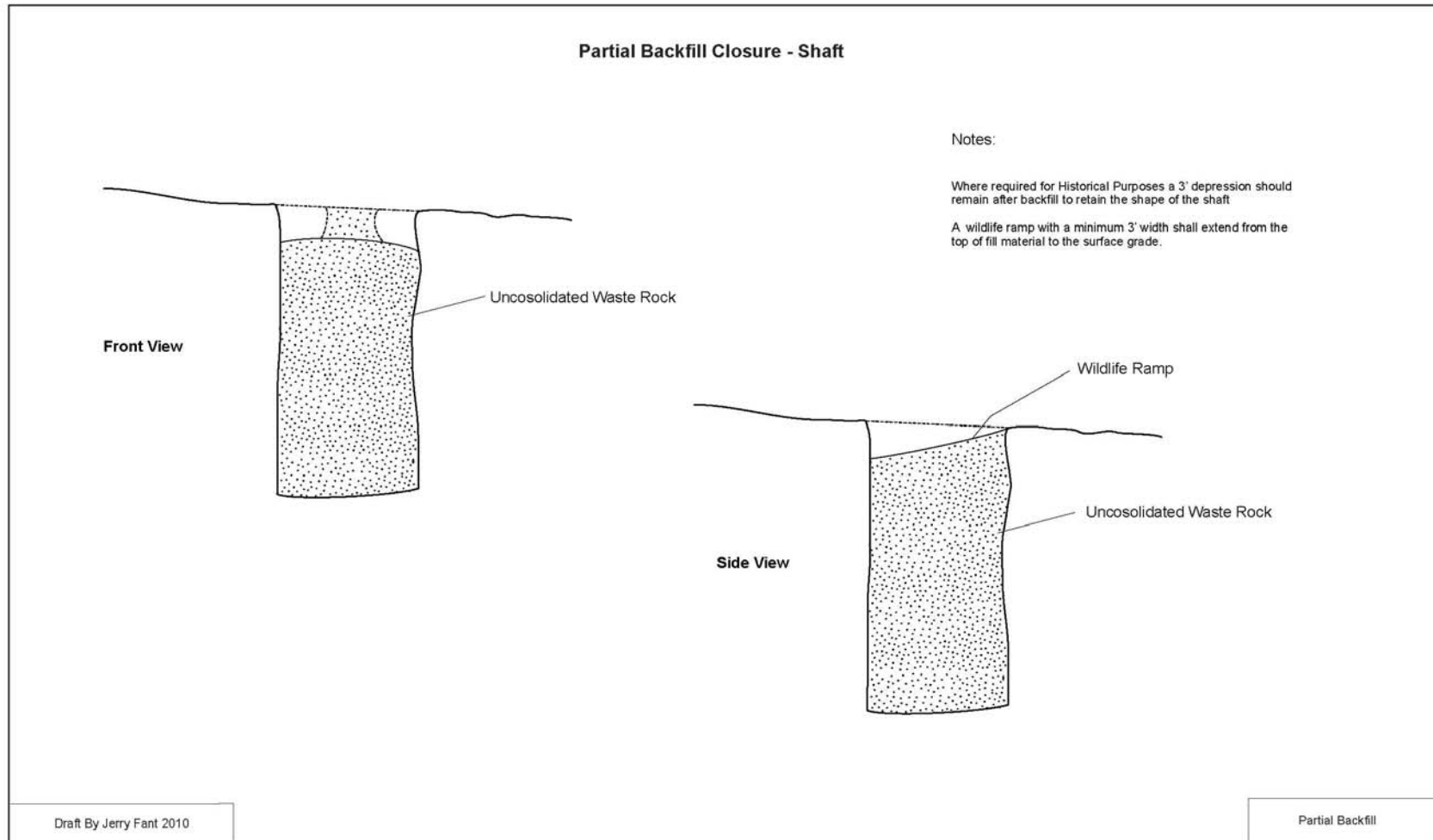
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### III. PUF/BACKFILL





## IV. PARTIAL BACKFILL



## V. GRATES

