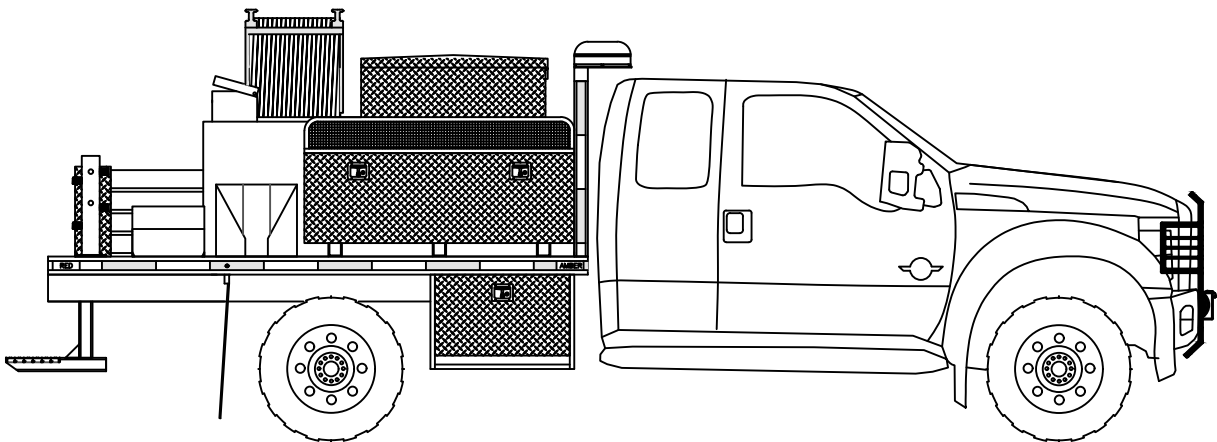




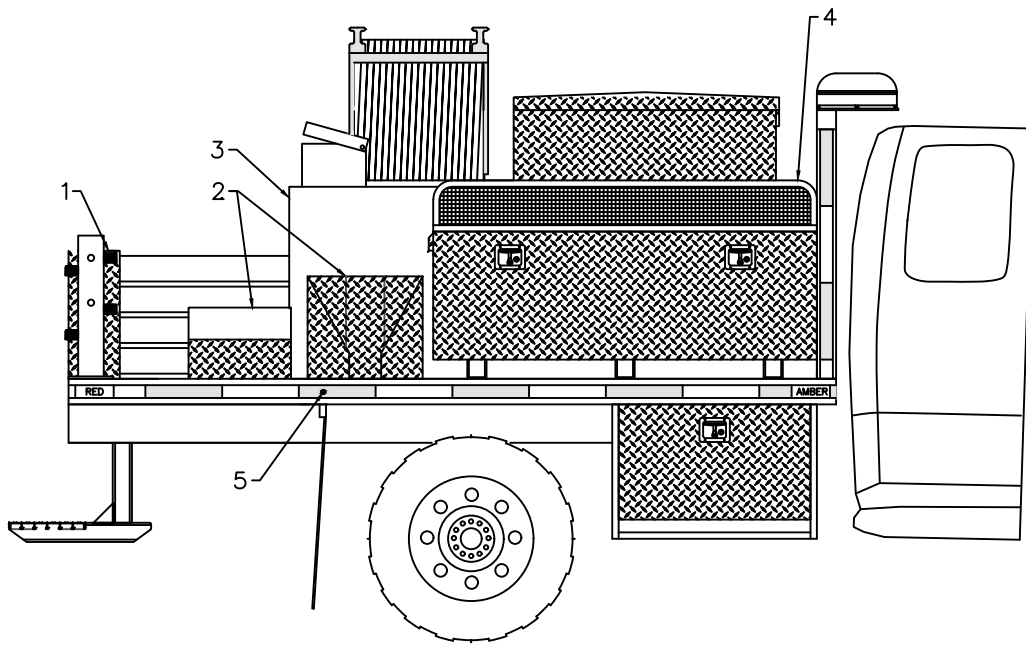
# F.P.S. FIRE ENGINE

## DRAWINGS & TECHNICAL SPECIFICATIONS

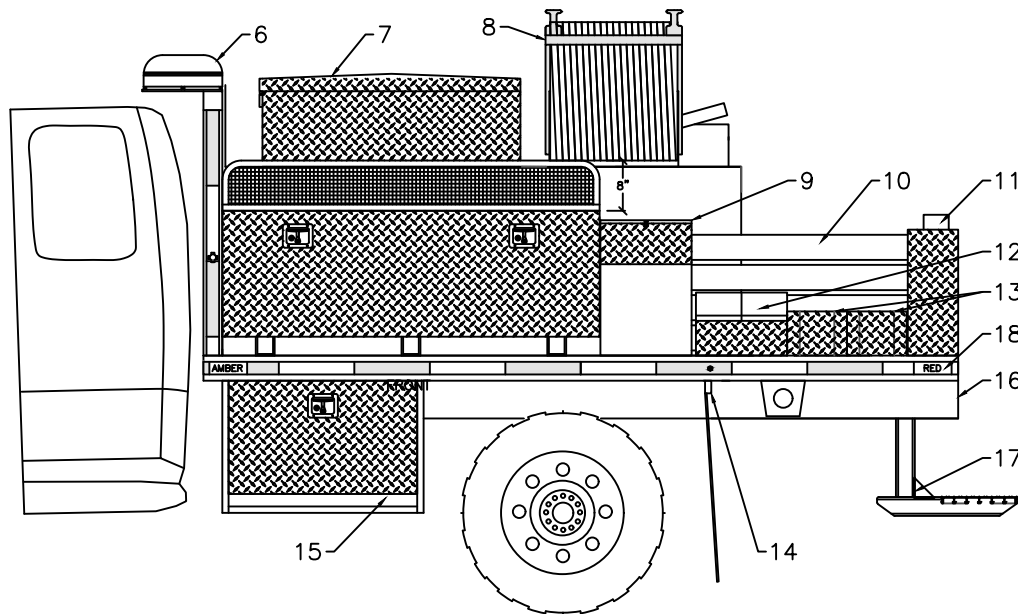


### SHEETS:

1. ENGINE SIDE VIEWS
2. ENGINE REAR VIEW
3. OVER VIEW
4. HEAD RACK
5. WATER TANK
6. TUBE BOX
7. TUBE BOX DETAIL
8. BED FRAME LAYOUT
9. BED FRAME
10. BED PLATFORM AND PLANK DETAIL
11. TIRE AND STORAGE BOX
12. TOPSIDE TOOLBOX & ALUMINUM BASKET
13. UNDERBODY TOOLBOX
14. REAR UNDERBODY TOOLBOX
15. REAR BUMPER/SKIRT
16. REAR STEP
17. COOLER BOX
18. GERRY CAN AND DRIP TORCH HOLDER
19. MUD FLAPS
20. MANIFOLD
21. MANIFOLD LINES 1
22. MANIFOLD LINES 2
23. SUCTION SIDE INTAKE
24. FRONT ELECTRICAL
25. HOSE REEL JUNCTION BOX
26. BED ELECTRICAL BOX
27. MARKER LIGHTS
28. NORTH-SOUTH HOSE REEL REAR VIEW
29. REAR BUMPER/SKIRT OPTION 1
30. REAR BUMPER/SKIRT OPTION 2
31. TIRE BOX OPTION



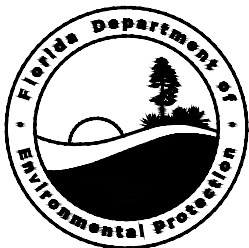
PASSENGER SIDE VIEW



DRIVER SIDE VIEW

KEY:

1. 5 DRAWER PARTS BOX
2. WATER COOLER STORAGE
3. WATER TANK
4. TOPSIDE TOOLBOX
5. HOSE REEL SWITCH
6. HEAD RACK/LIGHT MOUNT
7. TIRE AND STORAGE BOX
8. HOSE REEL (EAST-WEST FACING)
9. BURN MIX STORAGE
10. TUBE BOX
11. MANIFOLD
12. GERRY CAN HOLDER
13. DRIP TORCH BOX
14. MUD FLAP MOUNT
15. UNDERBODY TOOLBOX
16. REAR UNDERBODY TOOLBOX
17. REAR BUMPER
18. MARKER LIGHTS

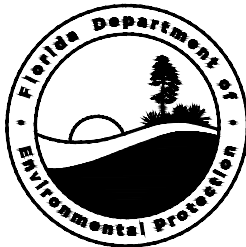
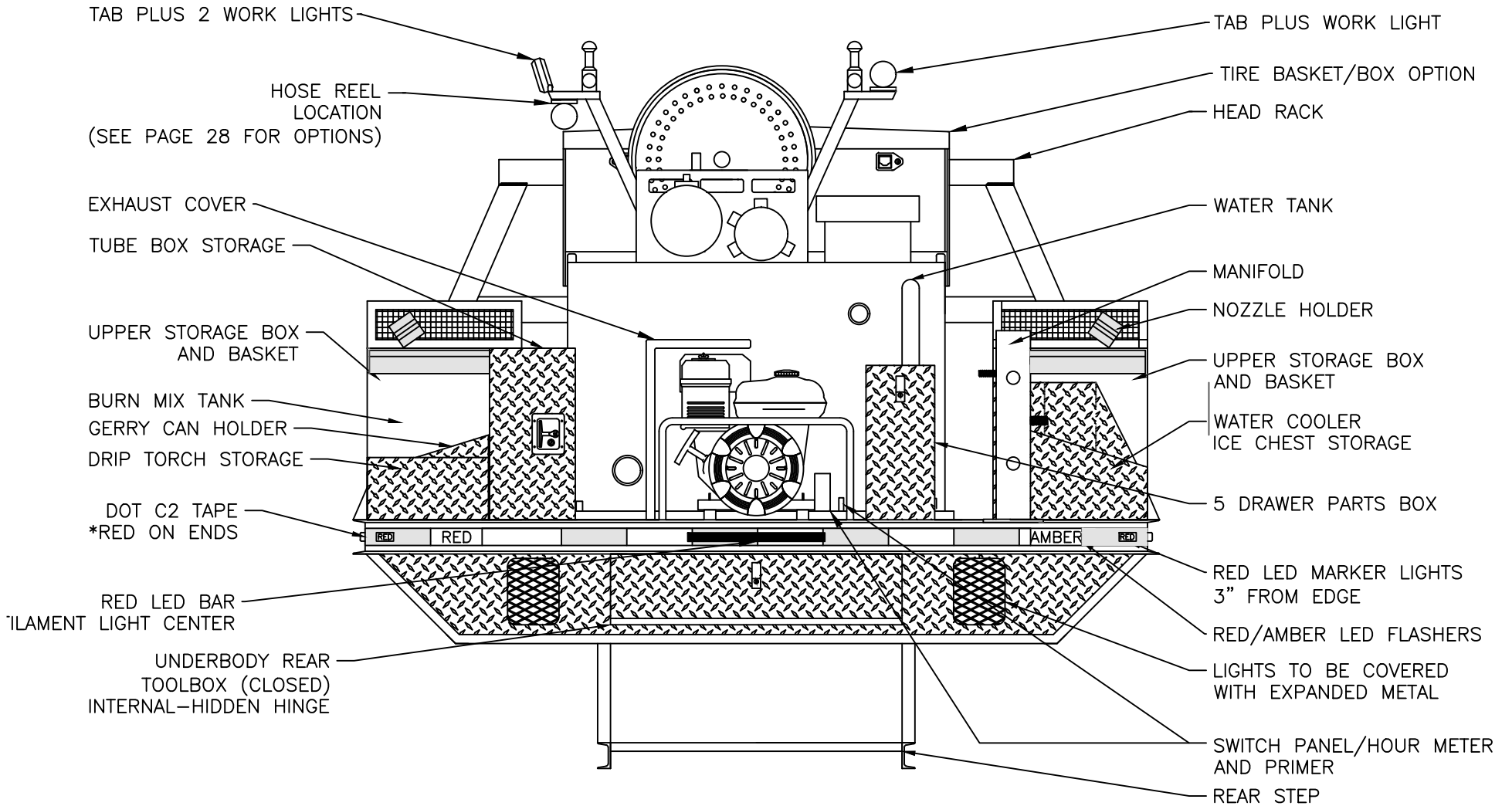


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS



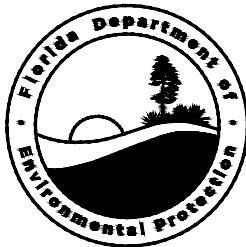
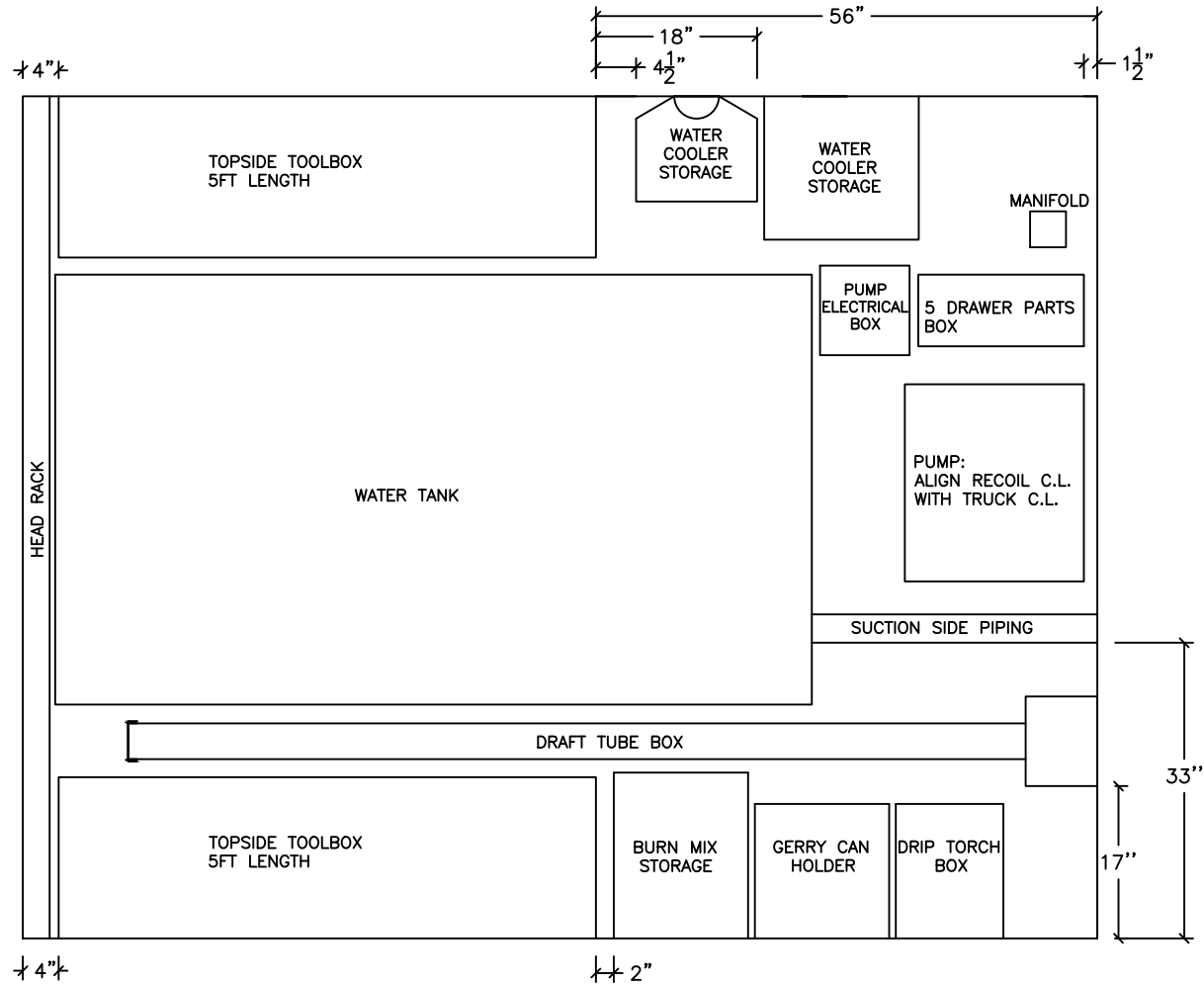


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS



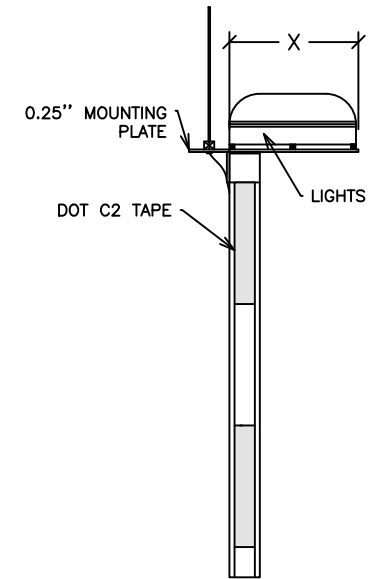
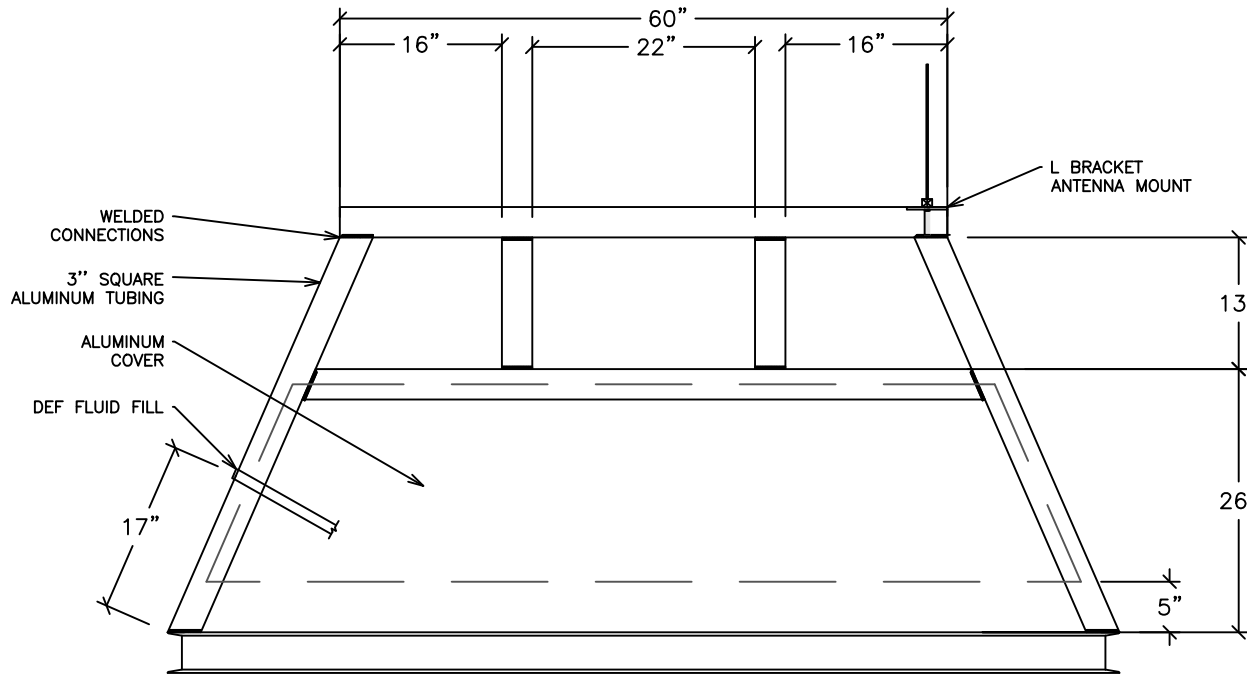


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

# FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS

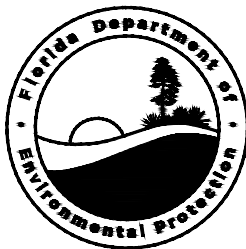




PASSENGER SIDE VIEW

## HEAD RACK NOTES:

- ALL CONNECTIONS ARE TO BE WELDED
- THE HEAD RACK WILL BE WELDED DIRECTLY TO THE BED FRAMING OF THE TRUCK
- DEF FLUID TANK FILLER TUBES TO BE INCORPORATED INTO OUTSIDE RAIL WITH SUFFICIENT DROP TO FACILITATE EASY FUELING
- HEAVY DUTY 3 IN BY 3 IN SQUARE ALUMINUM TUBING FOR FRAME AND CROSSBARS
- CAB SIDE OF RACK BELOW THE REAR TRUCK WINDOW WILL HAVE A 0.125 - INCH ALUMINUM COVER OVER THE ENTIRE RACK.
- ANTENNAE (PROVIDED BY DEP) WILL BE MOUNTED AND RADIO CABLE INSTALLED AND BROUGHT INTO ENGINE CAB.
- A 0.25-INCH MOUNTING PLATE WILL RUN THE LENGTH OF THE TOP OF THE RACK (5FEET) AND EXTEND X FEET OVER THE CAB. THE LIGHTS AND ANTENNAE WILL BE MOUNTED TO THIS PLATE.
- CAB SIDE OF RACK BELOW THE REAR TRUCK WINDOW WILL HAVE A 0.125-INCH WELDED ALUMINUM COVER. A GAP OF 4-6-INCHES FROM THE BOTTOM WILL PROVIDE FOR EASE OF CLEANING



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

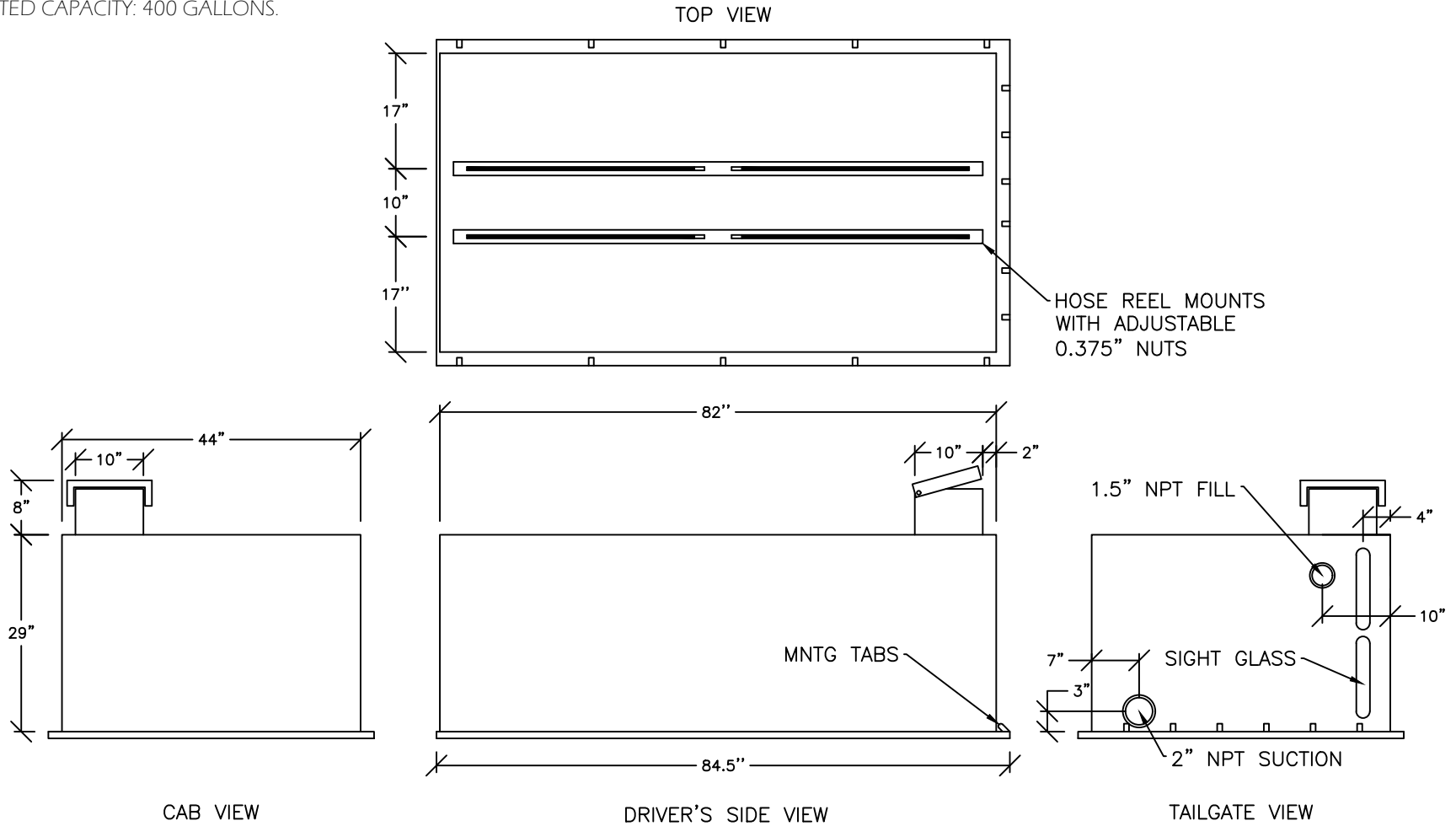
## FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS



# WATER TANK

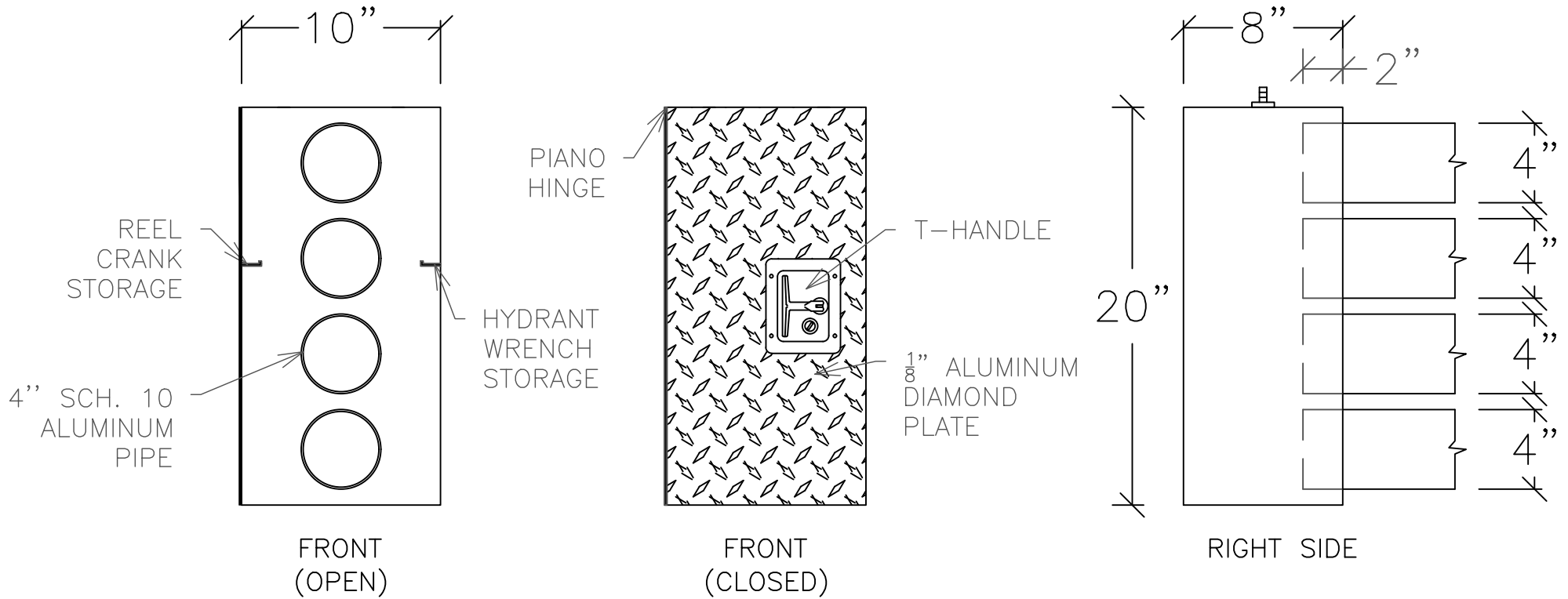
ESTIMATED CAPACITY: 400 GALLONS.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

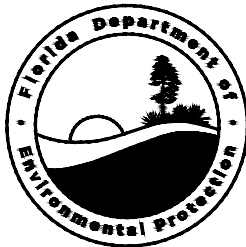
## FPS FIRE ENGINE DRAWINGS & TECHNICAL SPECIFICATIONS





TUBE BOX NOTES:

- FOR T-HANDLE DETAILS SEE PAGE 9, UNDERBODY TOOL BOX
- FRONT IS HINGED DOOR WITH LOCK MATCHING KEY TO TRUCK BOXES
- PIPES ARE SCHEDULE 10 ALUMINUM PIPE OR EQUIVALENT TO HOLD 8-FOOT DRAFT LINE SECTIONS. SCHEDULE 10 IS CONNECT.
- TUBES ARE CLAMPED IN PLACE AND SECURED TO THE TRUCK BED IN A VERTICAL STACK
- TUBES WILL HAVE A SECURED CAP ON THE CAB END THAT PROVIDES DRAINAGE AND ACT AS A STOP FOR THE DRAFT LINE



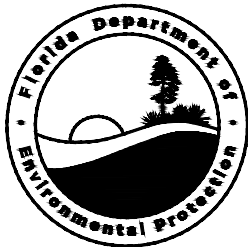
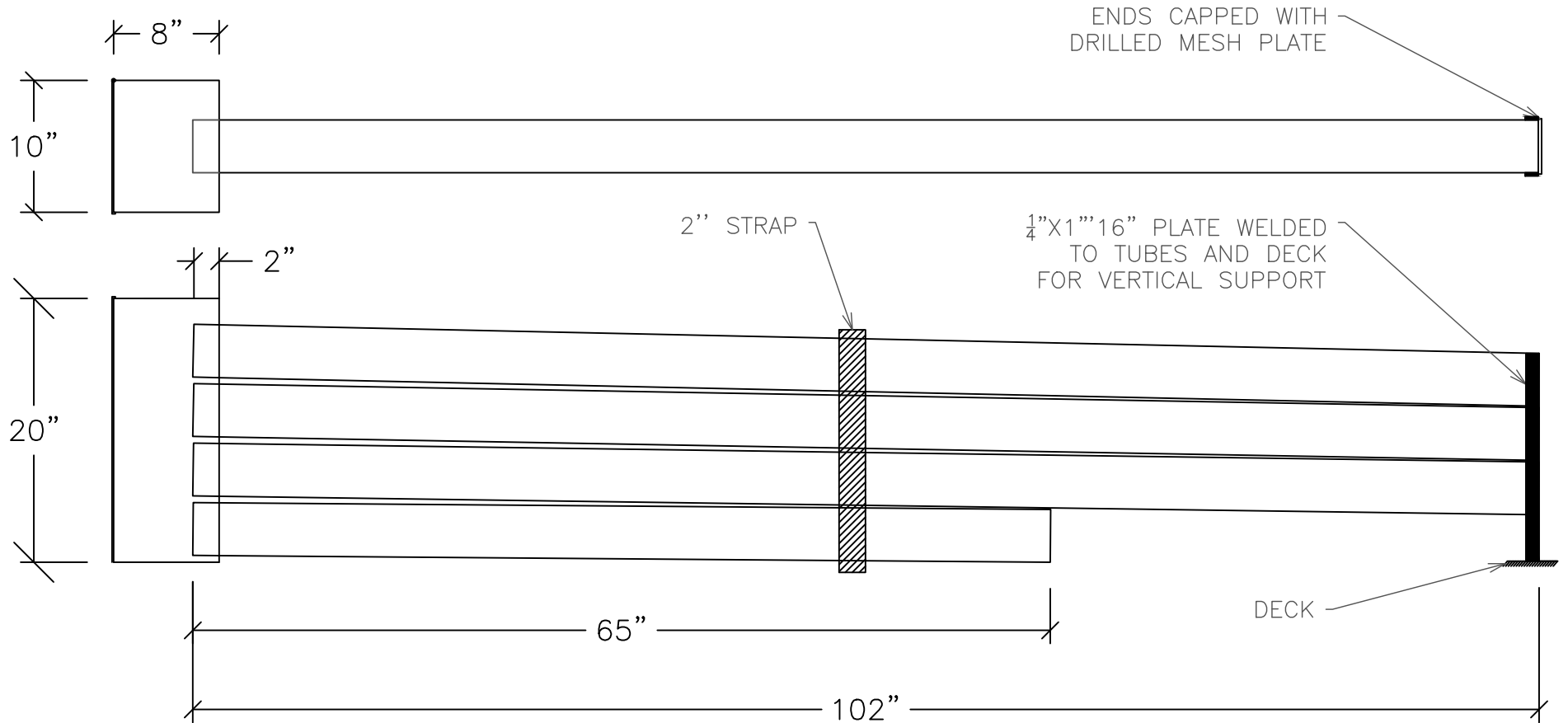
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS



# TUBE BOX DETAIL

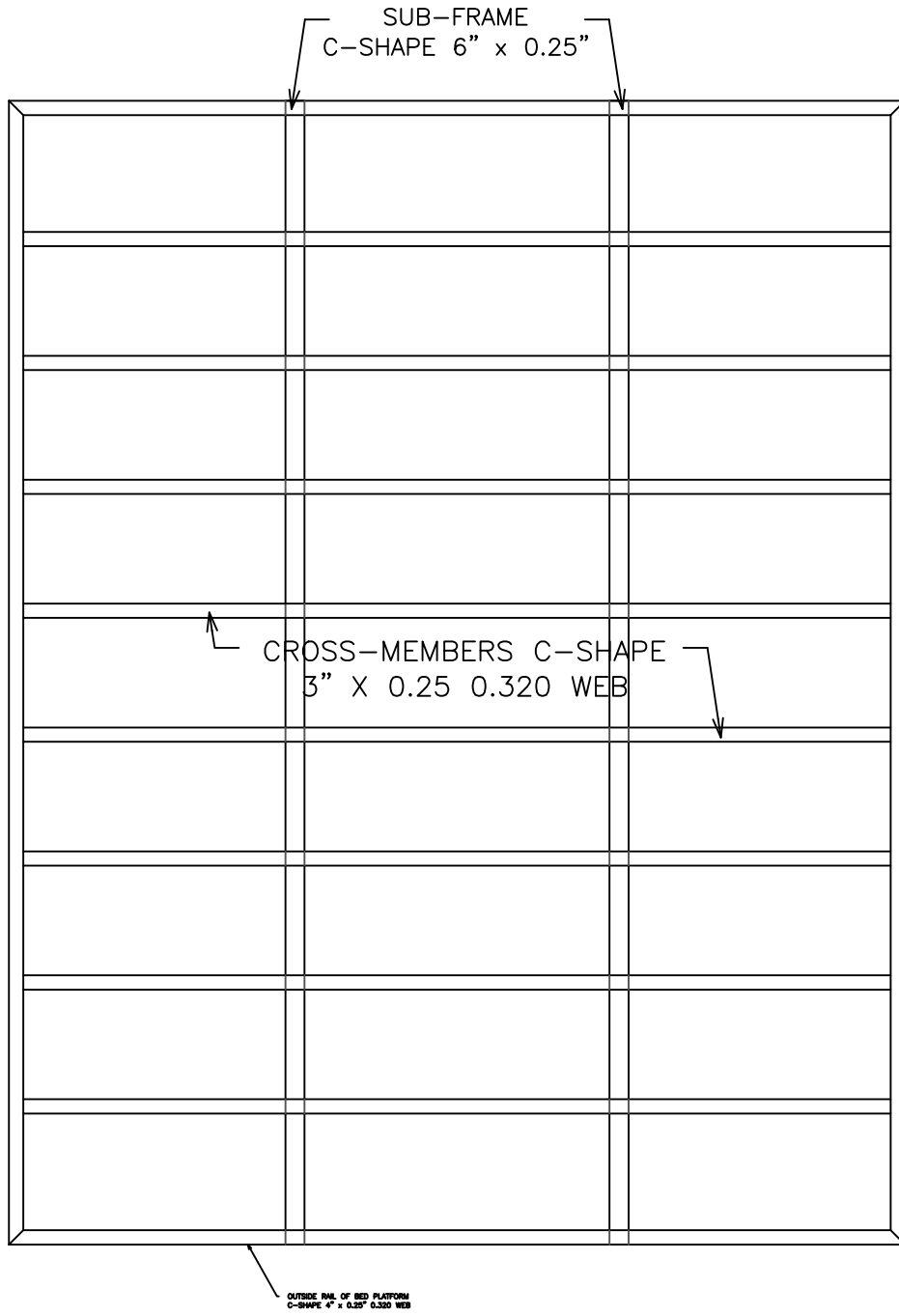


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## FPS FIRE ENGINE DRAWINGS & TECHNICAL SPECIFICATIONS



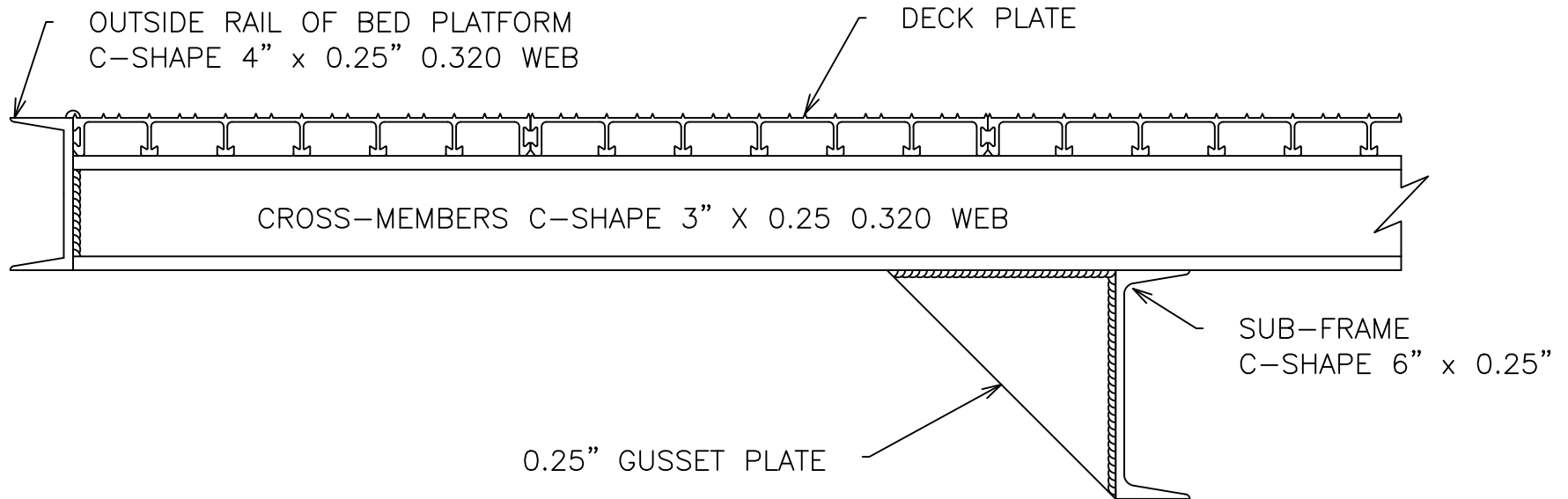




FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

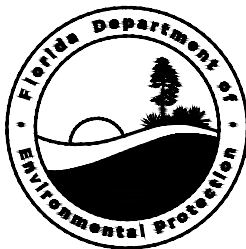
FPS FIRE ENGINE  
DRAWINGS & TECHNICAL SPECIFICATIONS





## BED PLATFORM NOTES:

- TWO SUB-FRAME ALUMINUM CHANNELS SHALL RUN THE FULL LENGTH OF THE BED.
- CROSS-MEMBERS SHALL BE PLACED ON 13-INCH CENTERS WITH A MINIMUM OF EIGHT (8) MEMBERS.
- CROSS-MEMBERS MUST BE WELDED AT EVERY INTERSECTION OF THE CROSS-MEMBER AND EVERY ONE INCH CHANNEL ON THE EXTRUDED DECK PLANKING.
- EVERY CROSS-MEMBER WILL BE WELDED TO THE SUB-FRAME.
- A TRIANGULAR GUSSET OF 0.25-INCH THICK ALUMINUM SHALL BE PLACED ON THE OUTWARD SIDE OF THE TRUCK FRAME AT THE JOINT BETWEEN THE CROSS-MEMBER AND THE SUB-FRAME ON EACH END OF THE CROSS-MEMBER.
- ALUMINUM BED TO BE FASTENED TO CHASSIS USING A MINIMUM OF FOUR (4) STAINLESS STEEL U-BOLTS AND TWO (2) 0.25-INCH THICK ALUMINUM FLAT PLATE FASTENERS BOLTED TO REAR SIDE OF CHASSIS.
- A MINIMUM OF 3-INCH X 3/16 -INCH 2 PLY BELTING WILL BE USED TO SEPARATE SUB-FRAME ALUMINUM RAILS FROM STEEL RAILS. THE VENDOR MAY SUBMIT ALTERNATE INSTALLATION METHODS. CONFIGURATION DRAWINGS REFLECTING ALTERNATE INSTALLATION MUST BE PROVIDED WITH BID, OR BID WILL BE REJECTED. DEP SHALL DETERMINE IN ITS SOLE DISCRETION WHETHER THE ALTERNATE INSTALLATION IS ACCEPTABLE.

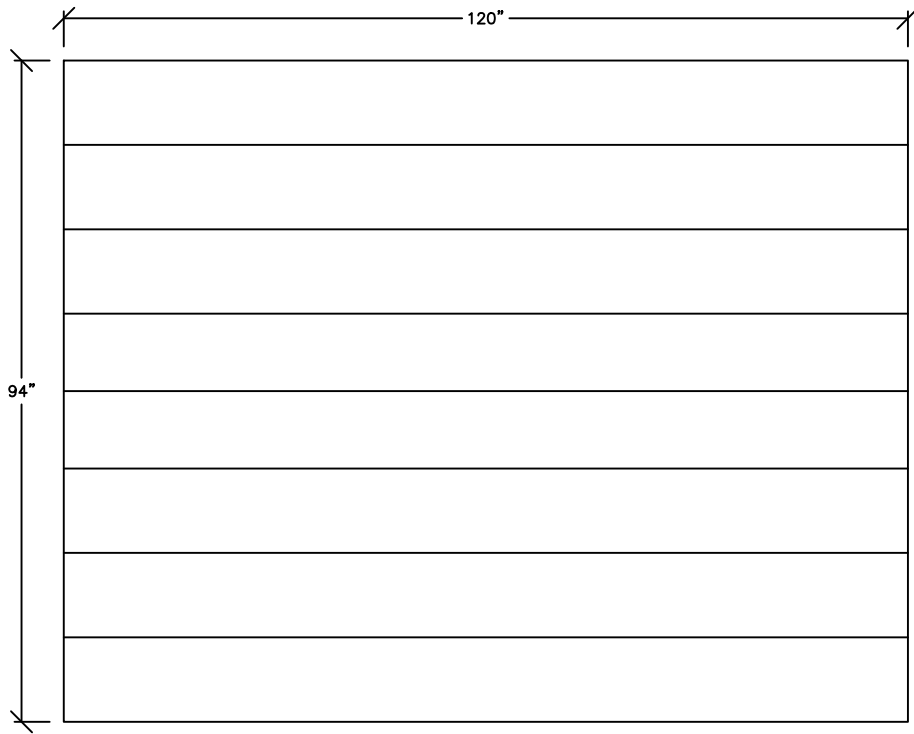


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## FPS FIRE ENGINE

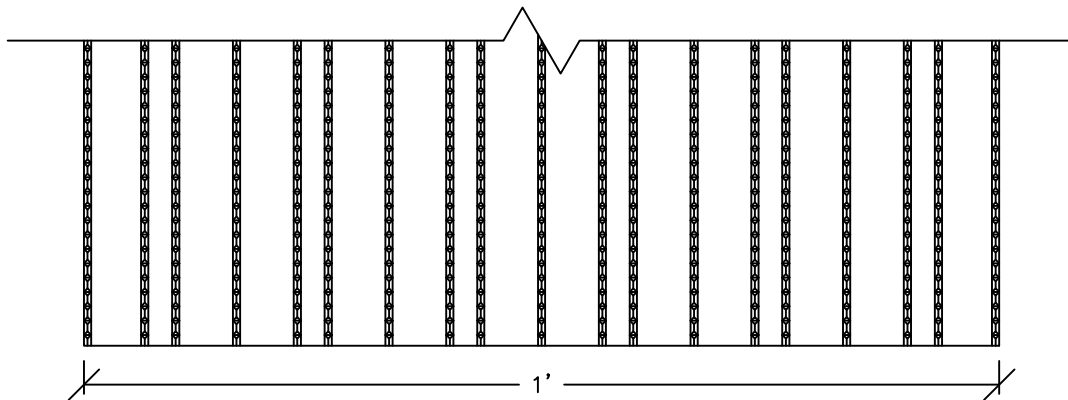
DRAWINGS & TECHNICAL SPECIFICATIONS



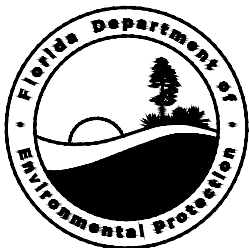
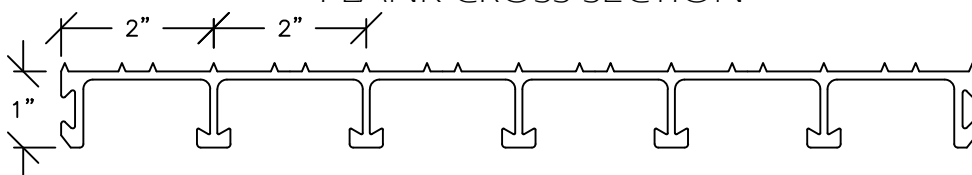


### BED PLATFORM NOTES:

- MUST BE CONSTRUCTED OF ALUMINUM EXTRUDED PLANKING DIE NUMBER 515518.
- MATERIAL SUCH AS DIAMONDBACK EASY GRIP DECK PLATE PLANK OR A DEP APPROVED EQUIVALENT WILL BE USED.
- FOR AN EQUIVALENT TO BE CONSIDERED, THE VENDOR MUST SUBMIT A SAMPLE FOR DEP EVALUATION AND POSSIBLE APPROVAL. DEP SHALL DETERMINE IN ITS SOLE DISCRETION WHETHER THE ALTERNATE INSTALLATION IS ACCEPTABLE.
- UNDERSIDES OF FRONT AND REAR OF BED WILL HAVE 1-INCH SQUARE ALUMINUM TUBING ATTACHED TO INSIDE OF PERIMETER RAIL TO SUPPORT DECK.



### PLANK CROSS SECTION

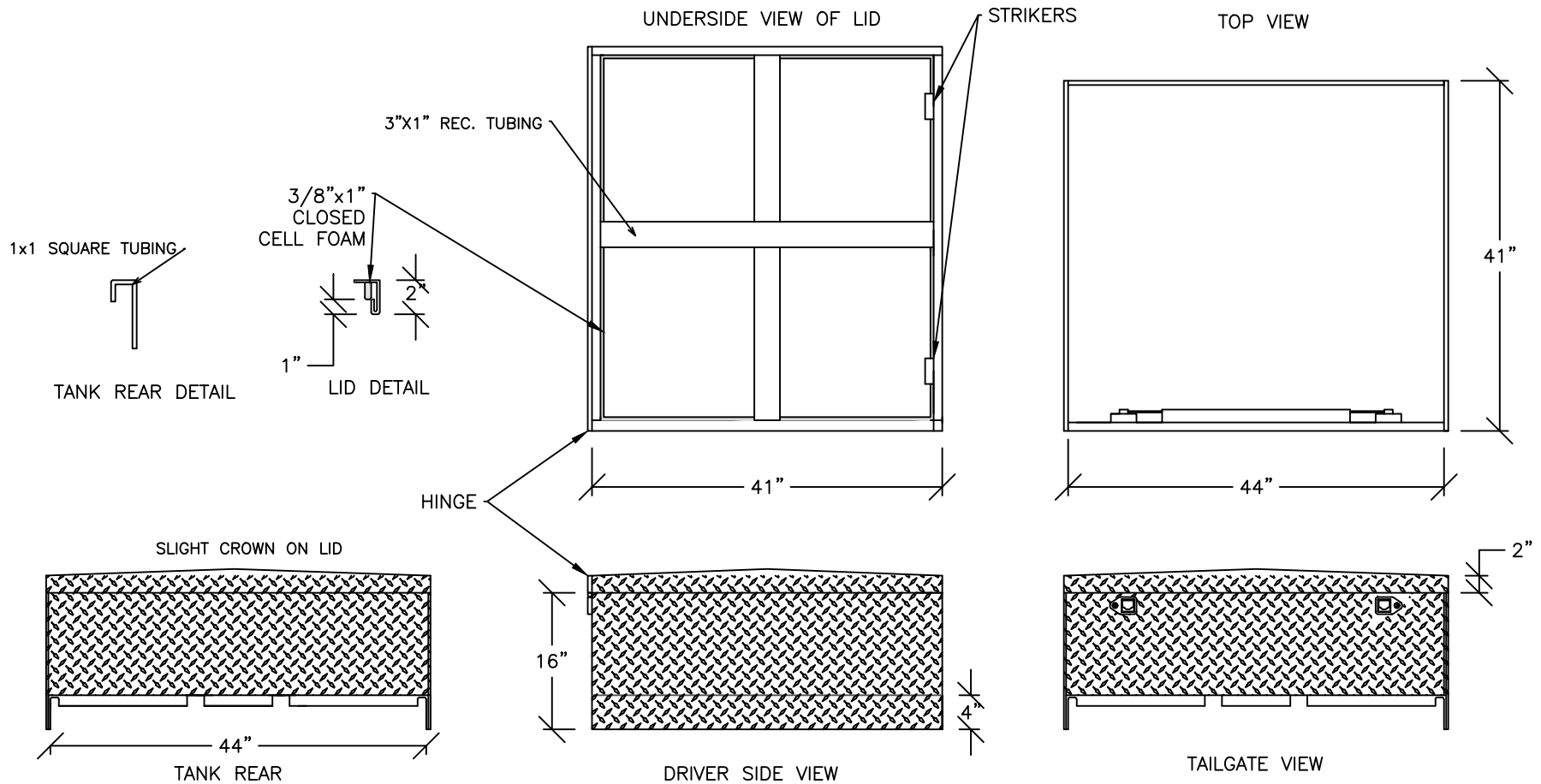


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS

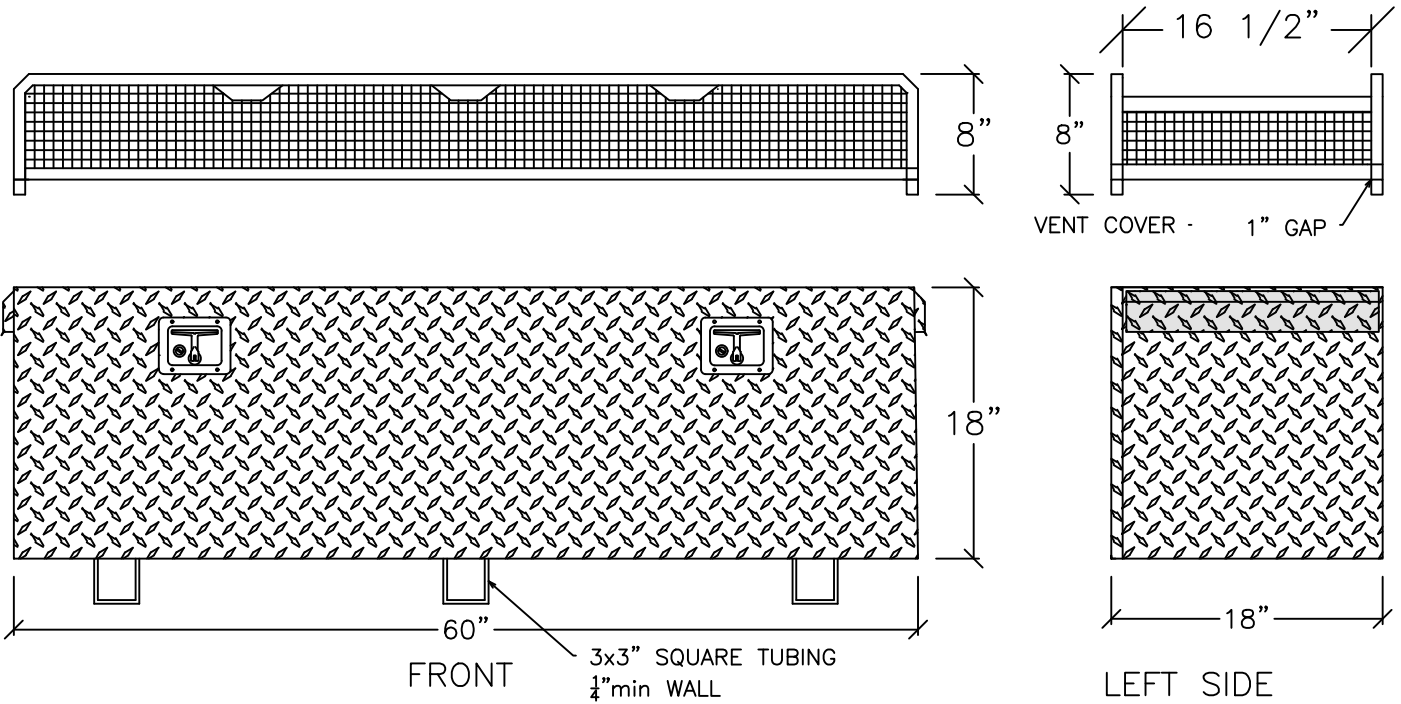




FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FPS FIRE ENGINE  
DRAWINGS & TECHNICAL SPECIFICATIONS



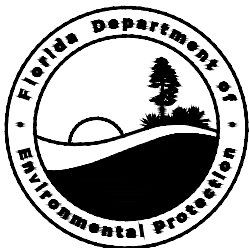


TOPSIDE TOOLBOX NOTES:

- TWO TOPSIDE TOOLBOXES PER ENGINE, ONE ON EACH SIDE OF BED.
- 0.125" ALUMINUM DIAMOND-PLATE.
- STAINLESS STEEL T-HANDLES AND RECESSED HANDLES WITH KEY LOCKS.
- LOCKS ON ALL TOOLBOXES MUST BE KEYED THE SAME.
- BOXES TO BE FASTENED TO TRUCK BED WITH STAINLESS STEEL BOLTS.
- BOXES SHALL BE VENTED TO REDUCE INTERIOR CONDENSATION, BUT NOT IN SUCH A WAY TO ALLOW RAIN INTO THE BOXES.
- OUTSIDE TOPS AND EDGES OF BOXES SHALL BE SMOOTH ALUMINUM.
- BOXES SHALL BE MOUNTED FLUSH WITH TRUCK EDGE.
- ALL TOOL BOXES WILL USE FULL LENGTH HEAVY DUTY PIANO HINGES.
- ALL DOORS WILL HAVE TWO SUPPORT CHAINS, ONE ON EACH END.
- ALL BOXES WILL HAVE A REINFORCED SEAL/GASKET ON THE BOX SIDE OF THE TOOL BOX.

ALUMINUM BASKET NOTES:

- PERFORATED PLATE ALUMINUM BASKETS
- PERFORATED PLATE WILL BE 16 GAUGE WITH 0.5 INCH HOLES ON 1 1/16 INCH CENTERS.
- ONE BASKET INSTALLED ON EACH TOPSIDE TOOLBOX.
- FRAME SHALL BE 1- INCH ROUND TUBING WITH ALL WELDS BETWEEN FRAME AND PERFORATED PLATE PLACED TO THE BASKET INSIDE.
- BASKET SHALL RUN ENTIRE LENGTH AND WIDTH OF TOOL BOX AND MUST BE BOLTED IN PLACE.
- AT EACH END OF THE BASKETS THERE WILL BE A 1- INCH GAP IN THE PERFORATED METAL TO ALLOW CLEANING OUT OF THE TOOLBOXES.

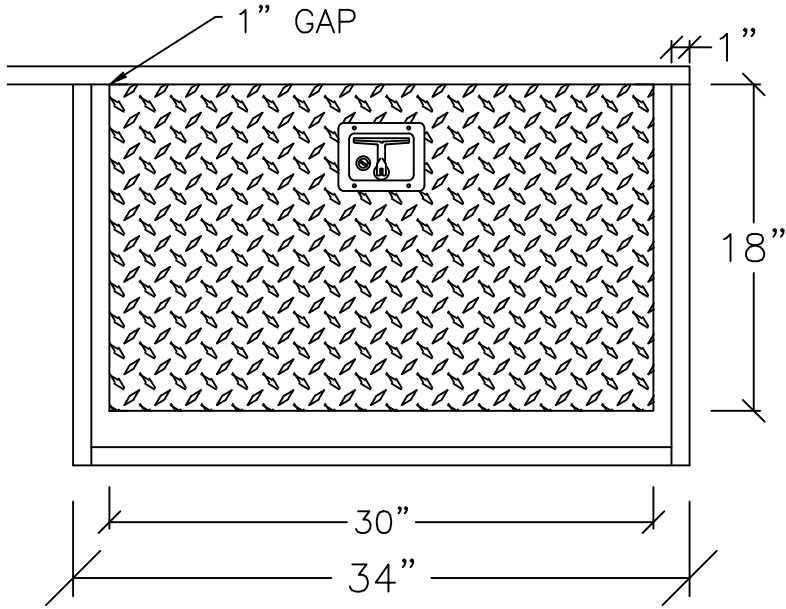


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

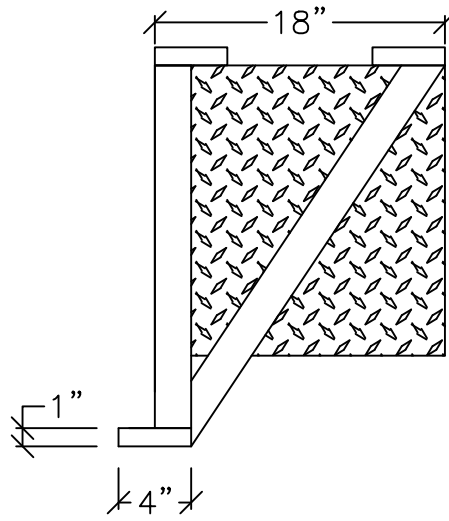
FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS





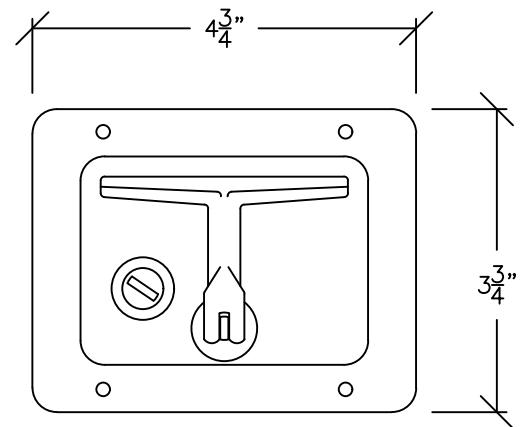
PASSENGER SIDE



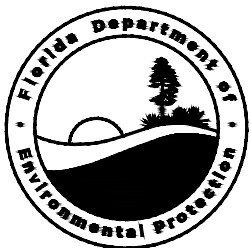
RIGHT SIDE

UNDERBODY TOOLBOX NOTES:

- TWO UNDERBODY TOOLBOXES PER ENGINE, ONE ON EACH SIDE OF BED.
- 0.125" ALUMINUM DIAMOND-PLATE.
- EXPOSED EDGES OF BOXES SHALL BE SMOOTH ALUMINUM.
- ALL TOOL BOXES WILL USE FULL LENGTH HEAVY DUTY PIANO HINGES.
- ALL DOORS WILL HAVE TWO SUPPORT CHAINS, ONE ON EACH END.
- ALL BOXES WILL HAVE A REINFORCED SEAL/GASKET ON THE BOX SIDE OF THE TOOL BOX.
- STAINLESS STEEL T-HANDLES AND RECESSED HANDLES WITH KEY LOCKS.
- LOCKS ON ALL TOOLBOXES MUST BE KEYED THE SAME.
- BOXES SHALL BE VENTED TO REDUCE INTERIOR CONDENSATION, BUT NOT IN SUCH A WAY TO ALLOW RAIN INTO THE BOXES.
- BOXES TO BE FASTENED TO UNDERSIDE OF TRUCK BED WITH STAINLESS STEEL BOLTS.
- BOXES WILL BE PROTECTED BY A TUBULAR METAL FRAME THAT TIES BACK INTO THE BED.
- THE FRAME WILL BE MADE OF 1-INCH BY 2-INCH RECTANGULAR ALUMINUM TUBING.
- EACH BOX WILL HAVE A BOTTOM STEP AS PART OF THE FRAME CONSTRUCTED OF 1-INCH BY 4-INCH RECTANGULAR ALUMINUM TUBING MOUNTED TO JUT OUT 2 INCHES FROM THE TOOL BOX FRONT FOR A TOE HOLD.
- THE BOTTOM STEP WILL NOT EXTEND PAST THE OUTSIDE PLANE OF THE REAR TIRE.
- UNDERBODY BOXES MOUNTED TWO PER TRUCK AT FRONT SIDES OF BED BEHIND TRUCK CAB.
- BOXES WILL BE MOUNTED AT OR SLIGHTLY BEHIND EDGE OF TRUCK BED.



T-HANDLE DETAIL

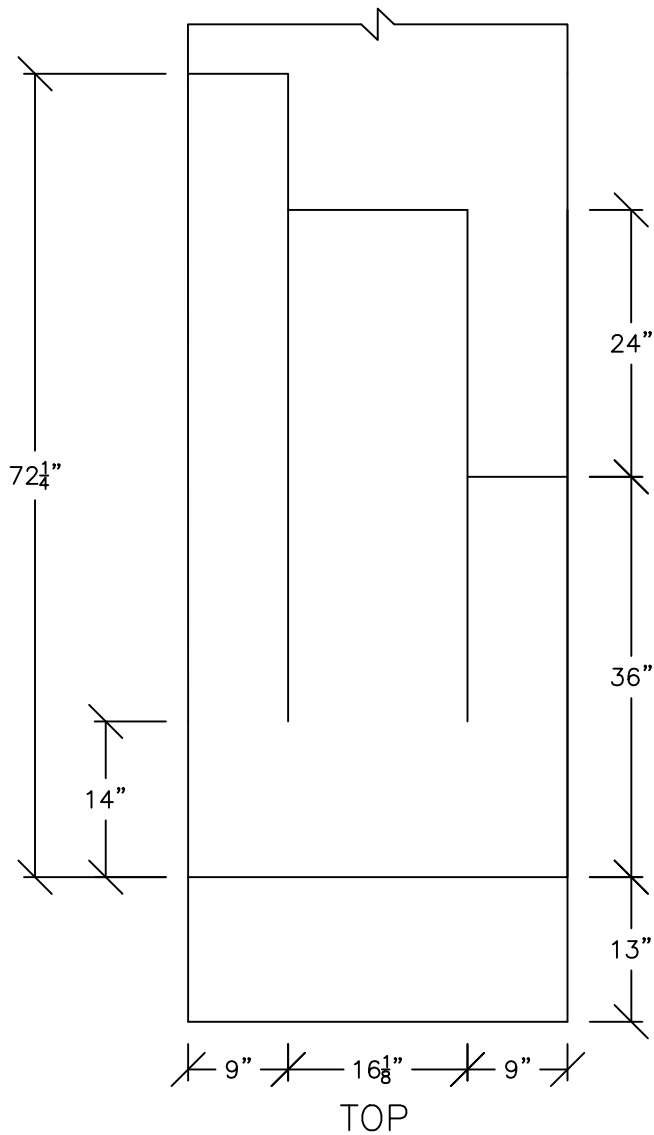


FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS





UNDERBODY TOOLBOX NOTES:

- HINGE FASTENERS WILL BE HIDDEN ON THE INSIDE OF THE BOX, NOT MOUNTED ON THE EXTERIOR OF THE BOX
- MUST BE FASTENED TO FRAME WITH STAINLESS STEEL BOLTS
- MOUNT LIGHT INSIDE BOX, WIRE TO PANEL LIGHT SWITCH



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FPS FIRE ENGINE

DRAWINGS & TECHNICAL SPECIFICATIONS

