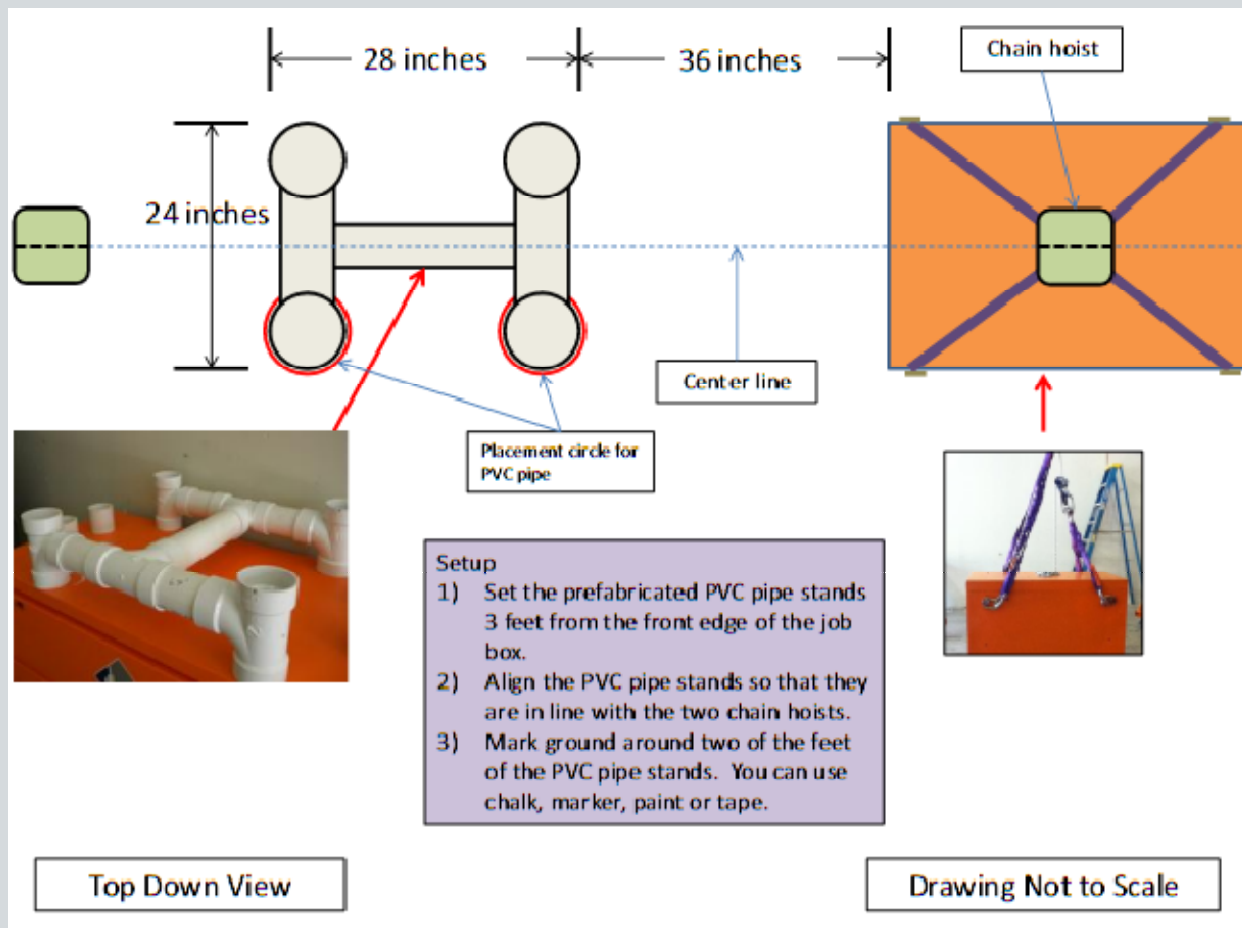


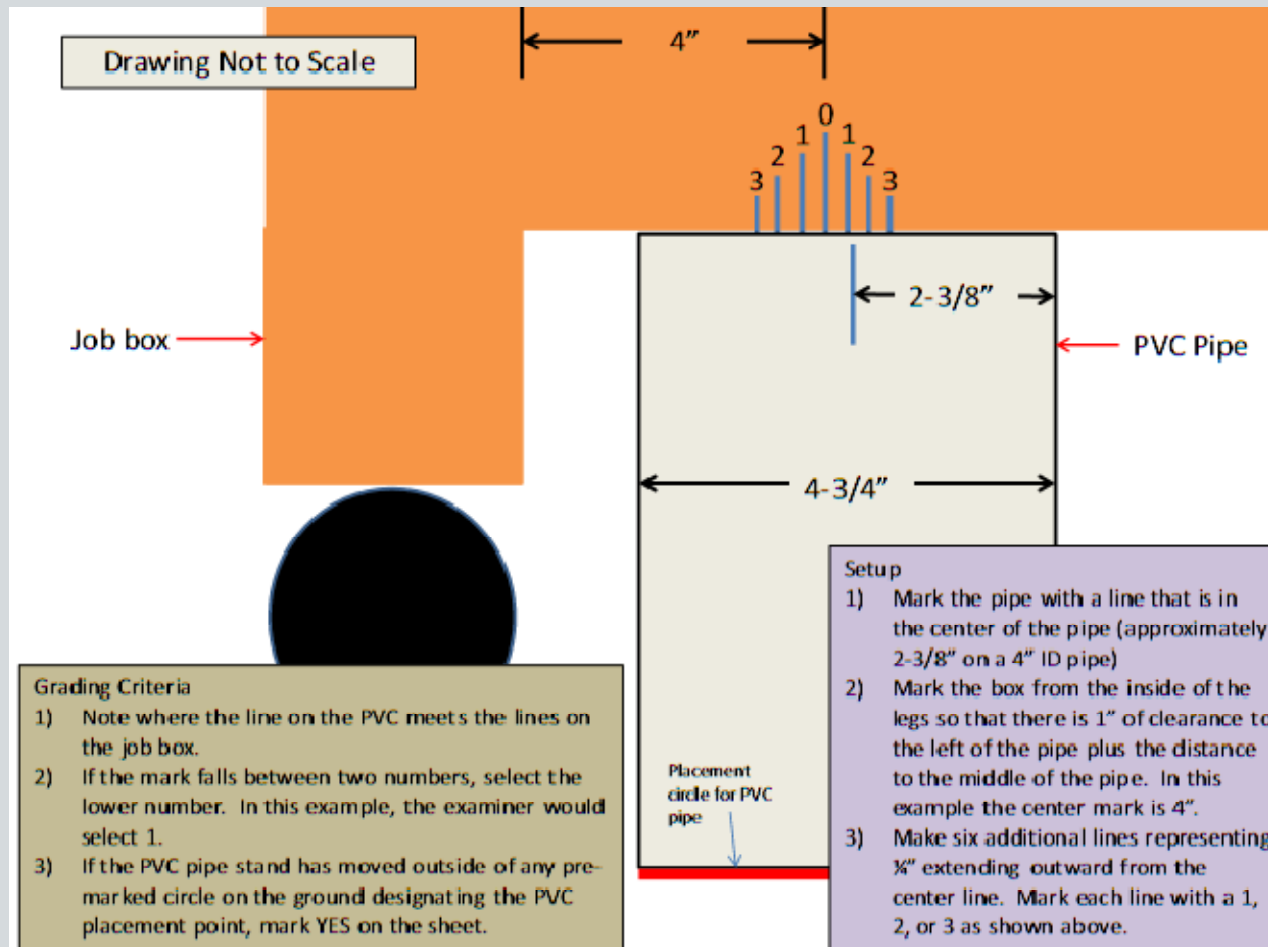


# Advanced Rigger Setup





# Advanced Rigger Setup





# Advanced Rigger Setup

- *Task 2*
  - *Building the PVC Load Transfer Stand*
    - *Materials*
    - *Assembly*
    - *Use*





# Advanced Rigger Setup

- *Materials Needed*
  - *6 PVC sanitary Tee's*
    - *3" or 4"*
  - *5 pieces of PVC to connect Tee's*
    - *Cut to fit (3" PVC used in example)*
      - *4 pieces approx. 6.75" long.*
      - *1 piece approx. 14.25" long.*
    - *4 stand legs approx. 4" long (IF required)*

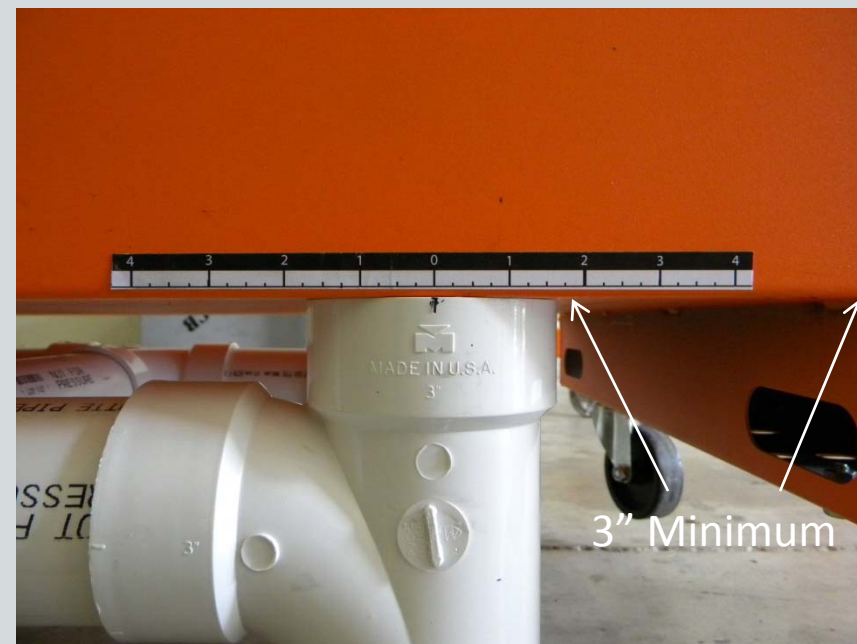




# Advanced Rigger Setup

## Layout and Assembly Instructions

- Due to the differences in the design of Job boxes NCCER has determined for testing consistency a tee assembly of 28" by 24" **MUST** be used.
- You must use the proper size Job Box (24" x 48"), as stated in the required equipment list.
- There **MUST** be at least 3" clearance between the end of the Tee and the inside of the box leg on both ends.

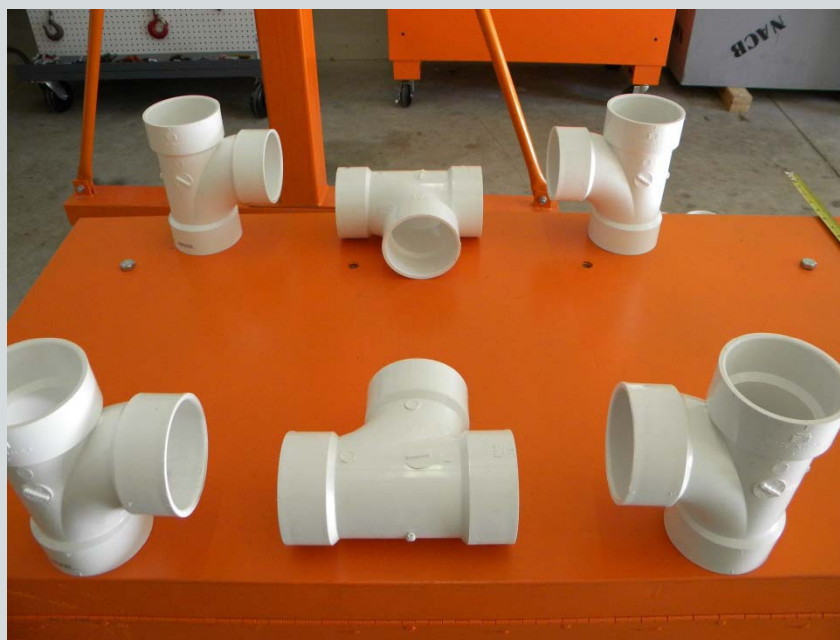




# Advanced Rigger Setup

## Layout and Assembly Instructions

- Lay out the tees as shown





# Advanced Rigger Setup

## Layout and Assembly Instructions

- Layout the long side to 28" end to end.





# Advanced Rigger Setup

## Layout and Assembly Instructions

- Determine the exact length of the 4 connecting pieces of PVC pipe.
  - In this example 3" PVC was used and a length of 6.75" was needed for the entire assembly to be 28" long.



**NOTE:** *Due to the difference between fitting manufacturers each assembly will need to be cut to fit.*





# Advanced Rigger Setup

## Layout and Assembly Instructions

- Once cut, assemble each long side making sure all Tee's are turned in the same direction (for alignment purposes).





# Advanced Rigger Setup

## Layout and Assembly Instructions

- Verify the width (24") by moving each of the long Tee assemblies to the edge of the box.

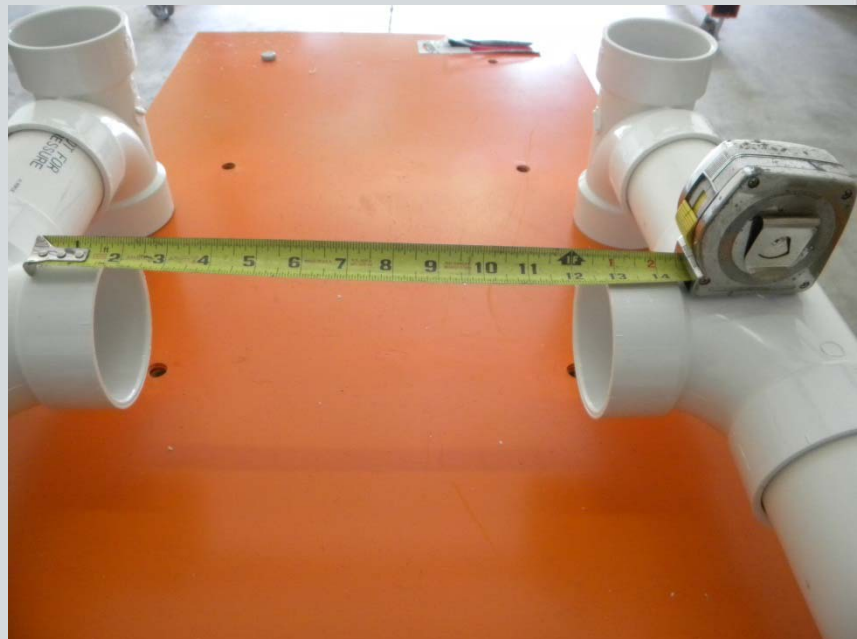




# Advanced Rigger Setup

## Layout and Assembly Instructions

- Determine the exact length of the cross connecting piece of PVC pipe.
  - In this example 3" PVC was used and a length of 14.25" was needed for the entire assembly to be 24" wide.



**NOTE:** *Due to the difference between fitting manufacturers each assembly will need to be cut to fit.*



# Advanced Rigger Setup

## Layout and Assembly Instructions

- After inserting the cross connector, the assembly **MUST** be measured for accuracy and **MUST** be 28" long by 24" wide.



*NOTE: There is no prohibition against gluing the PVC together; however, once glued together it will not easily fit into the Job Box for storage and transport. It is recommended that the cross pipe not be glued for easier storage.*



# Advanced Rigger Setup

## Layout and Assembly Instructions

- When the Job Box is mounted on casters the PVC Tee's may not be tall enough to function as required. This may be true with both the 3" and 4" PVC Tee's.
- The box **MUST** have at least 1" clearance (but not more than 3") between the bottom of the caster and the floor.





# Advanced Rigger Setup

## Layout and Assembly Instructions

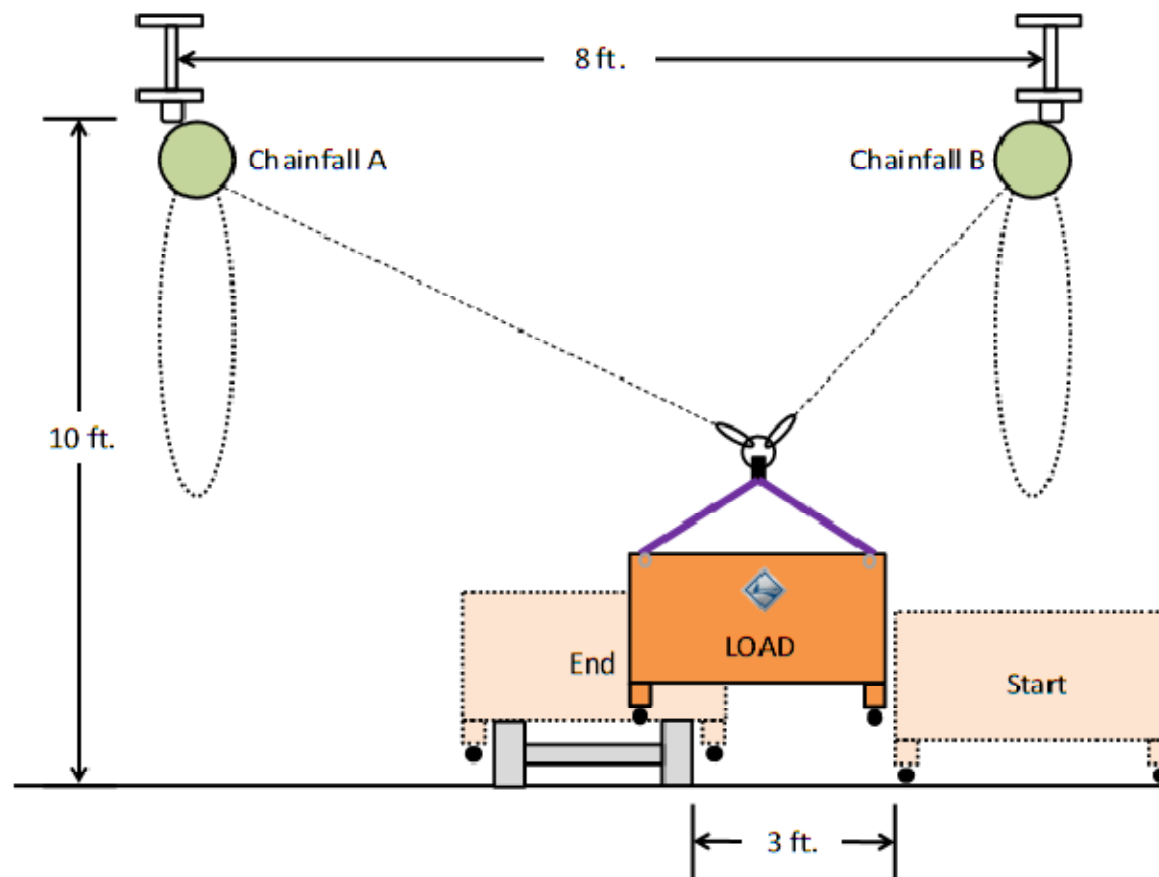
- To meet the height requirements when using casters, PVC legs may be used in the bottom of the Tee's as pictured (they may not be used on the top of the Tee's).
- Make a mark (black) in the center of each Tee.
- Center the stand between the box supports.



NOTE: Job box should be *marked* per specifications in slide #2 above (NOT as pictured in this slide)



# Advanced Rigger Setup



Drawing Not to Scale