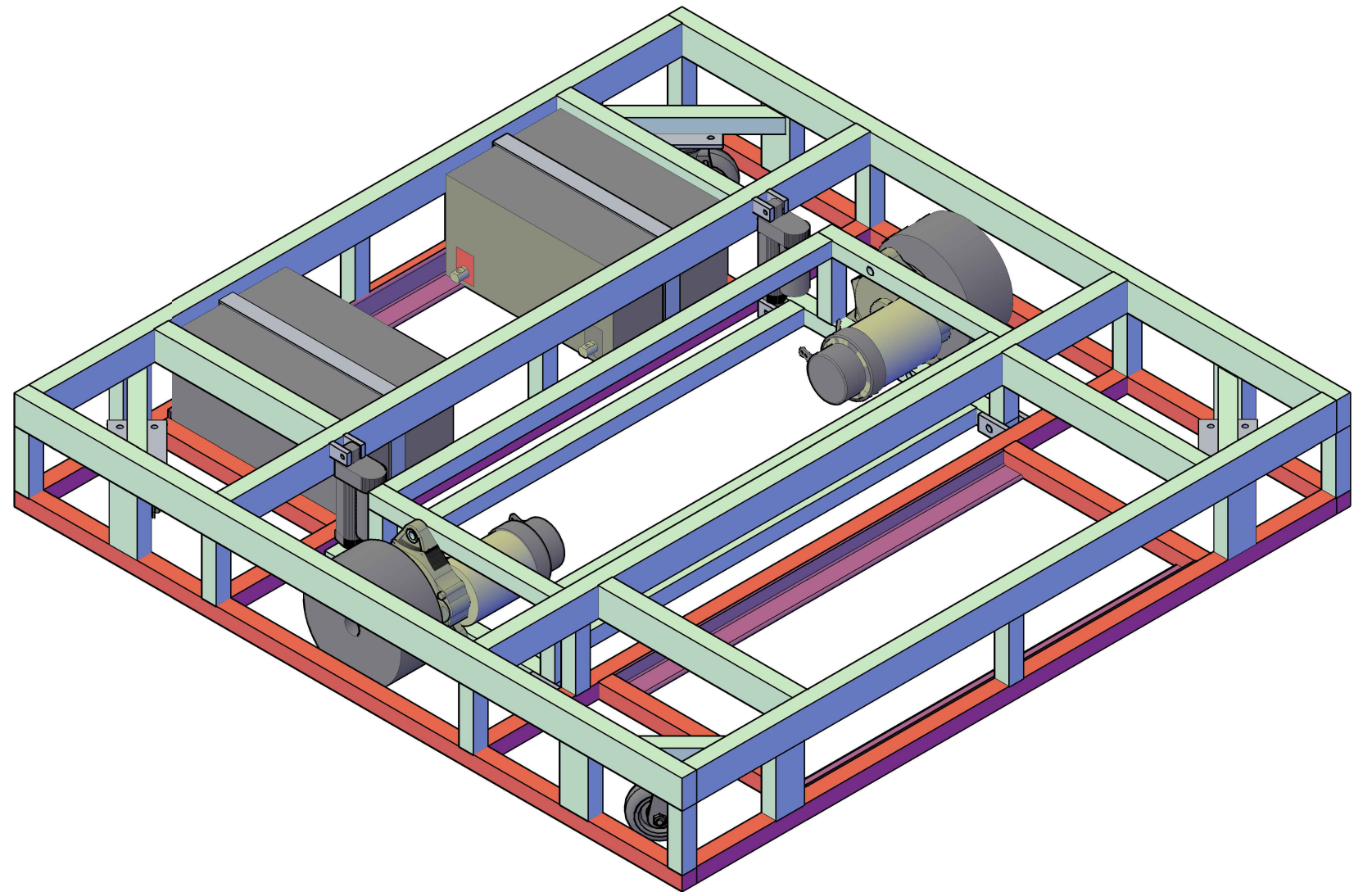


SIU SCENERY ROBOT FRAME DESIGN

DESIGN BY:
THOMAS FAGERHOLM
DANIEL BENNETT
ROBERT ANDERSON
JEFFREY RICHARDSON
NATE MOHLMAN
ROWEN HARDER
NOAH MURAKAMI
JEROME VEIT





SCENERY ROBOT

LOWER FRAME

ALTERATIONS

DIRECTOR: N/A

SCENE DESIGNER: TOM FAGERHOLM

TECH DIRECTOR: ROBOT CLUB

DWG BY: TKF INVENTORY CODE: SCR

DATE: 1/23/19 FILE: DBenneth-3D Assembly.dwg

REV 1: Rev 1 REV 2:

BUILD TIME

DAY / # OF CARPS TIME

MATERIALS USED

MATERIAL QUANTITY

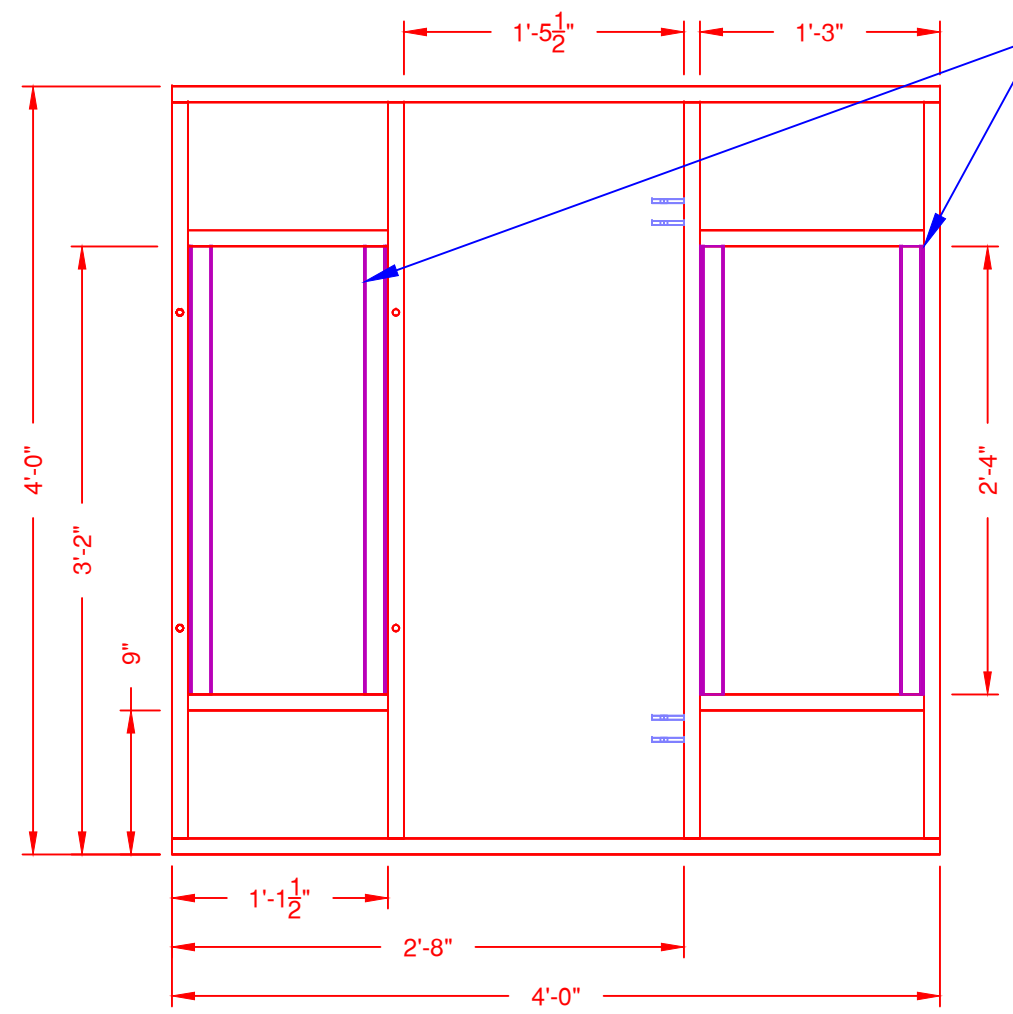
SCALE: AS NOTED

PLATE:

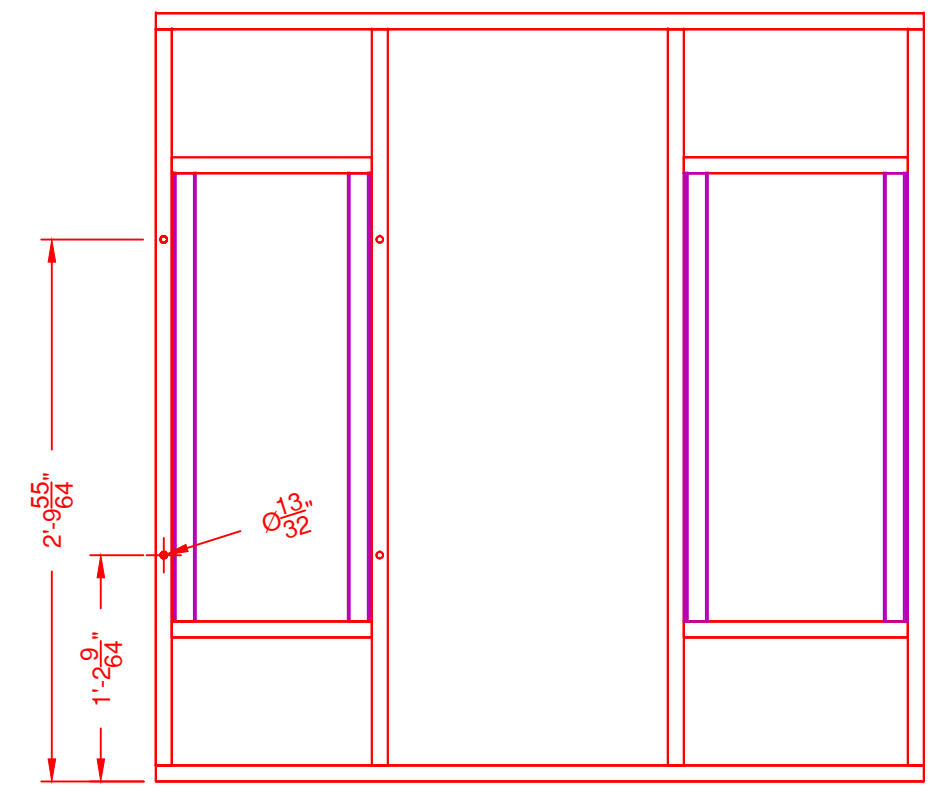
TD1



FRONT VIEW



1.5x1.5x0.125 ANGLE
FLUSH WITH TOP OF
FRAME



1

TD1

TOP VIEW: LOWER FRAME

1" BOX TUBE CONSTRUCTION

ADJUST AS NECESSARY TO MATCH DRAWING

WELD ALL SIDES

GRIND FACE WELDS

TACK ANGLE ONLY

1"=1'-0"

2

TD1

TOP VIEW: LOWER FRAME

HOLE LAYOUT TYP

DRILL THROUGH TOP OF BOX ONLY

1"=1'-0"

SIU

CARBONDALE

SCENERY ROBOT

UPPER FRAME & VERTS

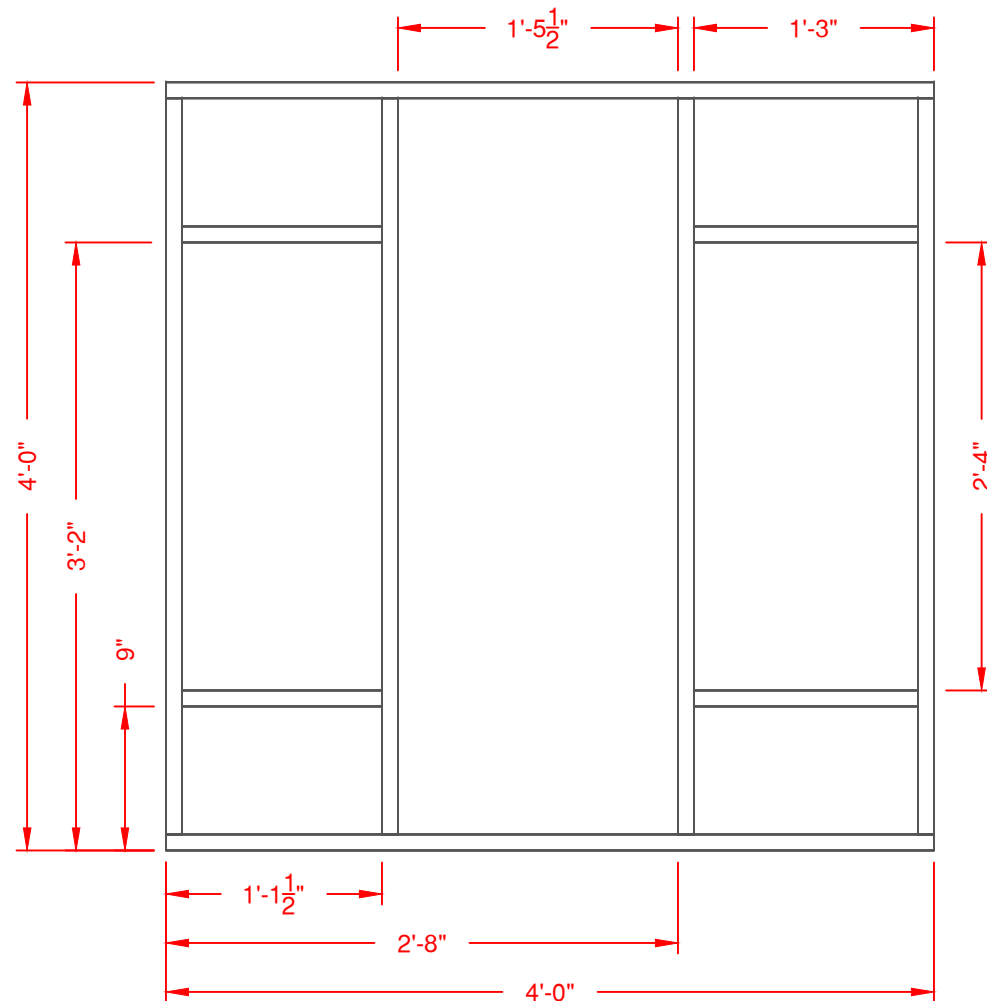
ALTERATIONS	
DIRECTOR: N/A	
SCENE DESIGNER: TOM FAGERHOLM	
TECH DIRECTOR: ROBOT CLUB	
DWG BY: TKF	INVENTORY CODE: SCR
DATE: 1/31/19	FILE: DBenneth-3D Assembly.dwg
REV 1: Rev 1	REV 2:
BUILD TIME	
DAY / # OF CARPS	TIME
MATERIALS USED	
MATERIAL	QUANTITY

SCALE: AS NOTED
PLATE:

TD2



FRONT VIEW

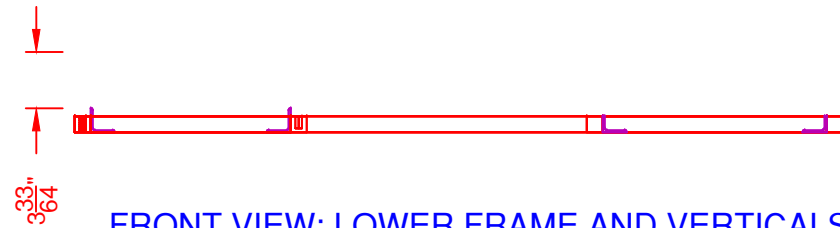


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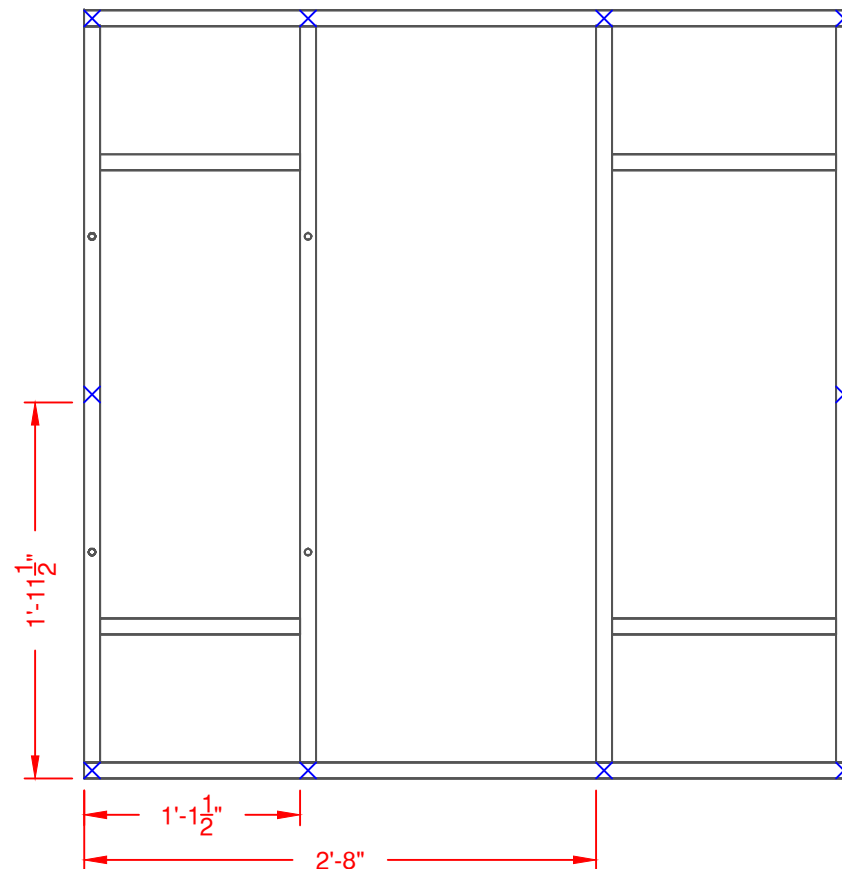
TOP VIEW: UPPER FRAME
- TD2

1x2" REC TUBE CONSTRUCTION
ADJUST AS NECESSARY TO MATCH DRAWING
WELD ALL SIDES
GRIND FACE WELDS
TACK ANGLE ONLY

1"=1'-0"



FRONT VIEW: LOWER FRAME AND VERTICALS



- 2

TOP VIEW: VERTICAL FRAMING MEMBER LAYOUT
- TD2

CUT 10 PCS OF 1"x0.065" BOX @ 3.5"

1"=1'-0"



CARBONDALE

SCENERY ROBOT

FRAME

FRAME ASSEMBLY

DIRECTOR: N/A			
SCENE DESIGNER: TOM FAGERHOLM			
TECH DIRECTOR: ROBOT CLUB			
DWG BY:	TKF	INVENTORY CODE:	SCR
DATE:	2/7/19	FILE:	DBenneth-3D Assembly.dwg
REV 1:	Rev 1	REV 2:	

BUILD TIME

DAY / # OF CARPS	TIME

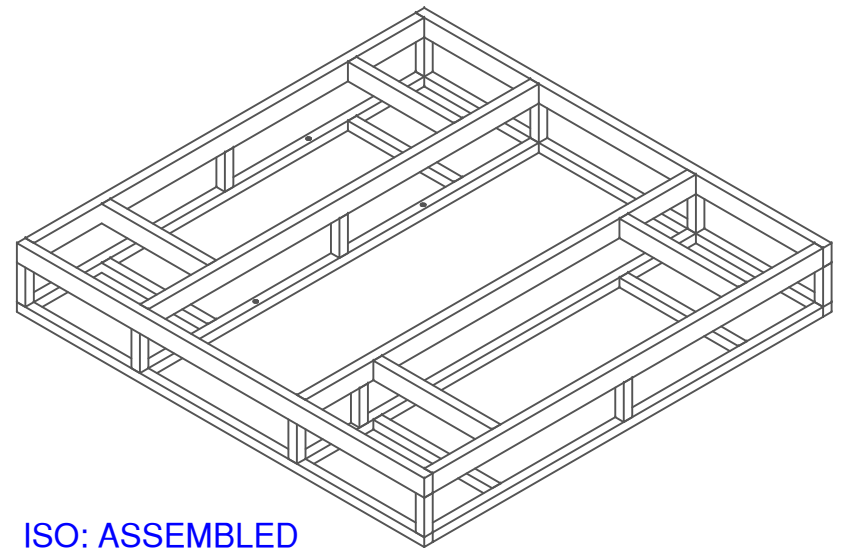
MATERIALS USED

MATERIAL	QUANTITY

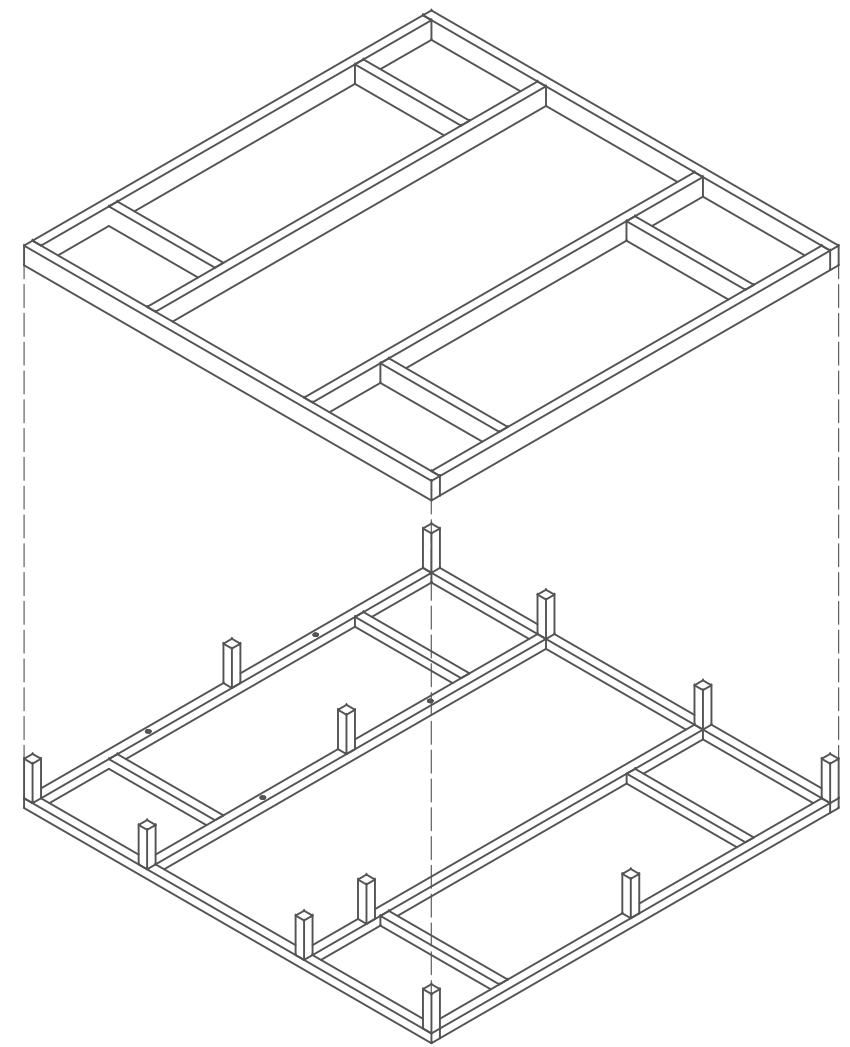
SCALE: NTS

PLATE:

TD3



ISO: ASSEMBLED

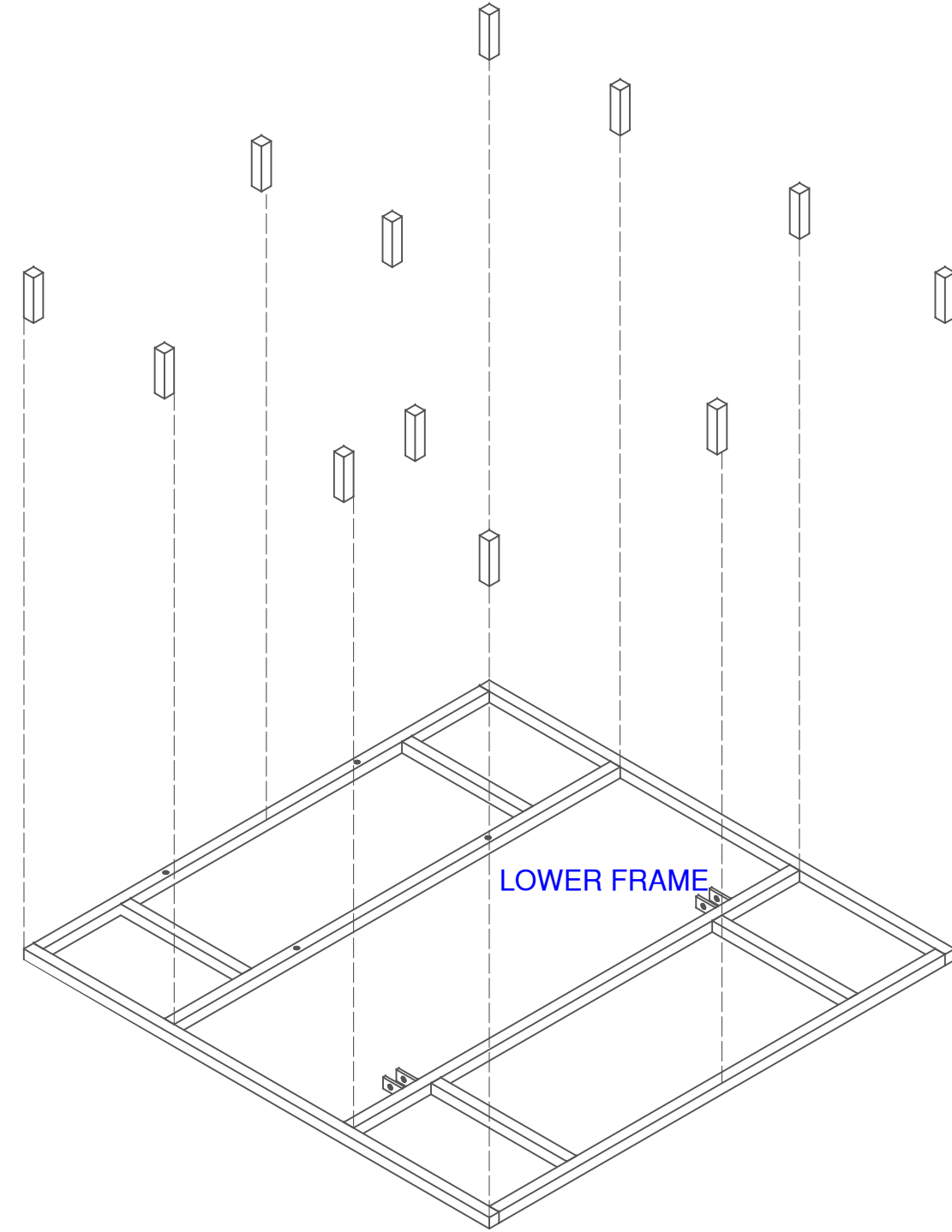


- 2

VERTICAL FRAMING ASSEMBLY TO TOP FRAME
- TD3

TACK WELD TOP FRAME TO VERTICALS

NTS
- WELD ALL SIDES AFTER FITMENT
- GRIND EXTERIOR WELDS



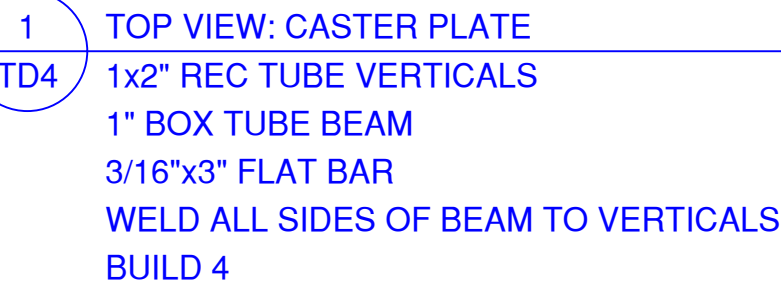
- 1

VERTICAL FRAMING ASSEMBLY
- TD3

1"SQ TUBE

NTS
- TACK WELD TO BOTTOM FRAME
- WELD ALL SIDES AFTER TOP IS FITTED & TACKED
- GRIND EXTERIOR WELDS

TD4



3"=1'-0"

2	TOP VIEW: CASTER PLATE LAYOUT
TD4	TACK WELD TO LOWER FRAME
	TACK WELD UPPER FRAME IN PLACE
	FINISH WELD

1"=1'-0"

SCALE: AS NOTED

PLATE:

SIU

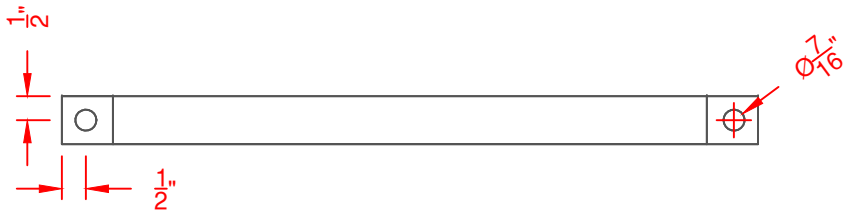
CARBONDALE

SCENERY ROBOT

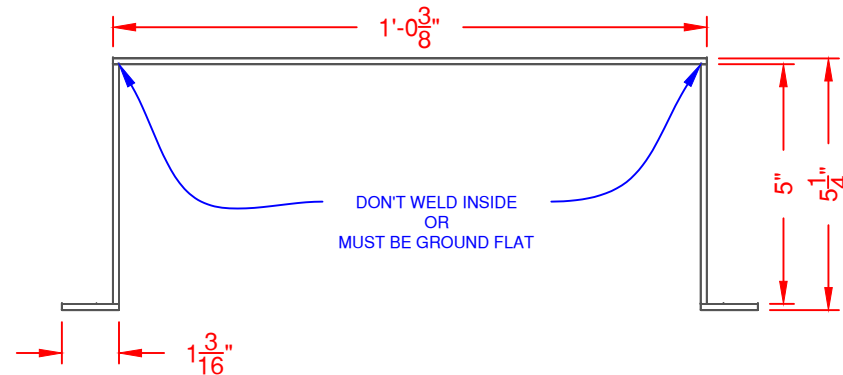
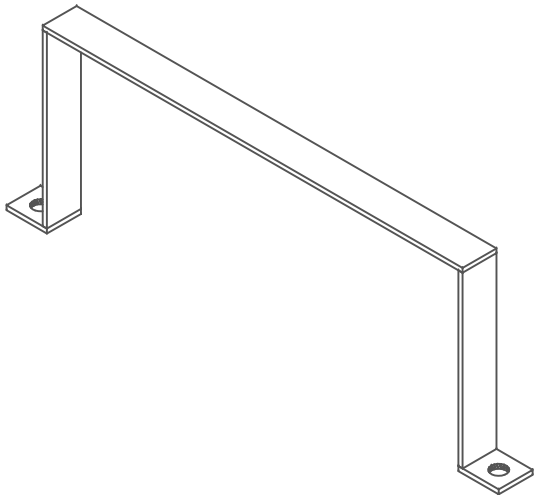
COMPONENTS

BATTERY STRAP			
DIRECTOR: N/A			
SCENE DESIGNER:		TOM FAGERHOLM	
TECH DIRECTOR:		ROBOT CLUB	
DWG BY:	TKF	INVENTORY CODE:	SCR
DATE:	2/14/19	FILE:	DBennett-3D Assembly.dwg
REV 1:	Rev 1	REV 2:	
BUILD TIME			
DAY / # OF CARPS		TIME	
MATERIALS USED			
MATERIAL		QUANTITY	
SCALE: AS NOTED			
PLATE:			

TD5



TOP VIEW



1

TD5

FRONT VIEW: BATTERY STRAP

1"x1/8" FLAT BAR

WELD EDGES AND OUTSIDES

BUILD 2

3"=1'-0"

