

CONSTRUCTION CITY

GENERAL SESSION

cenovus
ENERGY

KLUMPP
Scaffolding

PENTA
CAREER CENTER

AGC
BUILDS
THE 419

BAY CORRUGATED
B
BAY CORRUGATED CONTAINER
MONROE, MICH.

AIA Toledo

DOUG HOWARD BUILDING CO., LLC

Toledo Refinery

INTERNATIONAL BROTHERHOOD OF STEEL DECKERS & ERECTOR
LOCAL #33
SHEET METAL WORKERS
ORGANIZED JAN. 28, 1885
INTERNATIONAL ASSOCIATION
UNITY PROGRESS & PROTECTION

HEAT AND FROST INSULATORS
LOCAL 45
TOLEDO, OHIO

COMMUNITY ACTION
UAW CAP
PROGRAM

ESW
E.S. WAGNER CO.

U.S. UTILITY
Contractors Co., Inc.
Brandywine
RELIANCE
RENTAL & SALES

JDRM
Engineering

Mannik Smith GROUP

CEC
Civil & Environmental
Consultants, Inc.

COMTE
CONSTRUCTION CO.

NORTHWOOD DOOR

THE
COLLABORATIVE
+ACOCK

BUCKEYE
REAL ESTATE GROUP

DGL
CONSULTING ENGINEERS

BOWSER MORNER

JD CONSTRUCTION
OF CAMDEN, LLC

ACE
Since 1965

buehner group

ALL-PHASE
ELECTRIC SUPPLY CO.
TOLEDO, OH

MCA
MECHANICAL CONTRACTORS ASSOCIATION
OF OHIO

100 Years
Laibe
1926-2026
POWERING PROGRESS FOR 100 YEARS

RENEWAL by ANDERSEN
FULL SERVICE WINDOW & DOOR REPLACEMENT

NECA

A Name You Can Trust
HOLT ROOFING CO.
Family Owned and Operated Since 1947

IPS

TAYLOR AUTOMOTIVE FAMILY
KIA
LOCALLY OWNED. LOCALLY COMMITTED

Toledo Refining Company

Seagate
ROOFING AND FOUNDATION SERVICES

LAKE SIDE
INTERIOR CONTRACTORS

SSOE

Great Lakes Concrete Restoration Inc.

IPS

PROMEDICA FLOWER HOSPITAL
A Division of ProMedica Toledo Hospital

Dunbar

TMS

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Volunteer training

Training Agenda

- Event Schedule
- What to Expect
- City Laws
- Demolition and cleanup
- Advancement Badges
- Planning
- Closing Statements
- Questions?



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Who's Who in the City

City Directors

Chris Baker

Marcus Kreaais

Steve Kreaais

Chuck Walker

City Administrators

1 CA assigned per city block



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Event Location



Penta Career Center

9301 Buck Road
Perrysburg, Ohio



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Event Schedule

Saturday

November 14th

Staggered arrival

Bridge – Arrive at 7:30

Building – Arrive at 8:30

Bridge Arrive	• 7:30 AM
City Arrive	• 8:30 AM
Opening Ceremony	• 9:00 AM
Bridge Testing Start	• 11:30 AM
Building Ends/Judging Begins	• 12:00 PM
Demolition	• 1:00 PM(tentative)
Closing/Raffle	• 3:00 PM



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Event Layout





What to Expect

- Organized Chaos
- Preset layout
- City/River Assignments
- Announcements
- First Aid
- Food
- What you get...





What is Supplied

- Hard Hats (Keep)
- Aprons
- Clear Packaging Tape
- Hacksaw Blades
- Spline Tools
- Tape Measures
- Pencils
- Cardboard - 4x4?
 - 4 sheets per Scout
- What to bring...





What to Bring

- Design plans
- Decorations
 - No confetti or glitter
- Weather appropriate clothing
- Approved tools with labels
- Scouts in uniform or Class B, no neckties
- Snacks



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I'm Bored Ideas...

- **Make accessories for structures**
 - Tables
 - People
 - Cars
 - Animals
 - Fireplaces
 - More cannons/lasers
- **Take pictures**
- **Clean**



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City Laws

Applies to adults & Scouts

- **HAVE FUN**
- **1 adult per Scout**
- **No siblings**
- **Closed-toe shoes only**
- **Building Decorations**
 - IE...Water base markers, fabric, colored pencils, plastic, lights...
 - NO **GLITTER OR CONFETTI**
- **Keep quiet when city officials are speaking**
- **Hacksaw blades only-No knives or X-Acto blades**
- **Clear tape only- No duct tape**
- **No running**
- **No scouts on second floor in Penta Center**

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City Laws

Have Fun!!



Have Fun!!

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Demolition Process

- **General**

- Stack in 3' X 5' flat pile
- Remote decorations
- Wait to be dismissed to the recycling center
- Clean up areas once your structure is at the recycling center including tape on the floor

- **Bridge**

- Organized demo after testing of your bridge
- Continue to watch other testing

- **City**

- City participant parents and Scouts only in the room
- Videos suggested
- Keep out signs posted on structures



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Demolition

Have you ever wondered how the Titanic really sank?





Tips & Tricks

- Hack Saws- Pull to cut
- Knee Pads
- Tape dispenser
- Label your tools
- Plan your design as a group and perhaps build a model using simple tape and poster board
- Take pictures





Opportunities for Advancement

- The Construction City event does not fulfill all requirements for one advancement
- The pack will need to do some work during meetings prior to the event.
 - Suggest 3-4 meetings

- Webelos



- AOL



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Advancement Badges Webelos



• Build It



- Learn about basic tools, proper use, and safety when using the tools
- Demonstrate how to check plumb, level, and square when building.
- Select a carpentry project that uses plumb, level, and/or square. Create a material and tool list.
- Build your project.-Construction City

• Modular Design



- Learn what modular design is and identify 3 things that utilize the concept.
- Using modular-based building pieces, build a model without instructions.
- Create a step-by-step instructions on how to build your model.
- Have someone build your model using the instructions
- Using the same modular pieces, build something different
- Watch a video about modular design

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Advancement Badges

Arrow of Light



• Engineer



- Learn about civil, electrical and mechanical engineers. - Construction City
- From one of those professions complete the following:
 - Examine a set of blueprints or specifications
 - Identify a project you would like to build
 - Build your project. - Construction City

• Estimations



- Estimate food measurements.
- Estimate the time of day.
- Estimate the height of a distant object.
- Estimate the distance between two points.

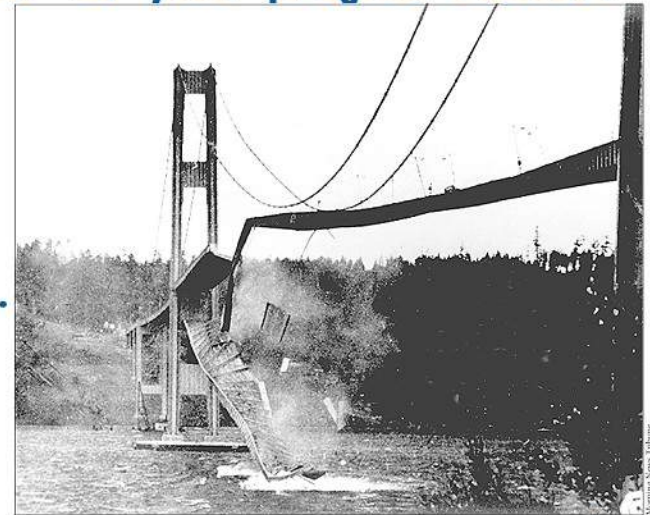
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Teamwork & Sportsmanship

Construction City includes great opportunities for teamwork and sportsmanship. Sportsmanship is how you act when you are playing a sport.

- Playing fairly is a matter of honor and self-respect, as well as respect for opponents. Play hard and play to win, but play fairly.
- Don't complain about bad luck or blame the judges or your teammates.
- Shake hands and be thankful for the experience. If your project doesn't go as planned, try to take the loss bravely.
- Engineers fail often: use the experience to learn and therefore become a better Scout.

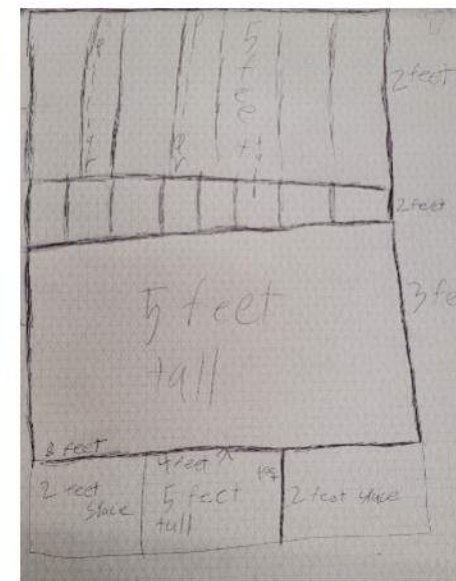
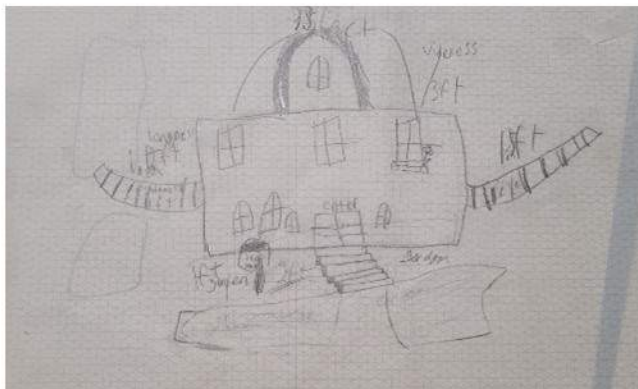


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Planning

- **Week 1:**
 - Engineering/building elements/example drawings
 - HW: research an engineering field
- **Week 2:**
 - Scouts present what they learned from research
 - **Show PPT presentation, pictures!**
 - HW: what do you want to build
- **Week 3:**
 - Scouts present ideas
 - Narrow down options(scaled voting) and make rough sketches
- **Week 4:**
 - Put dimensions to drawings
 - Plan for supplies
 - Remind of agenda





Example prep Meetings

NAME TILTED TOWER L INCW D

BOB THE BUILDERS NPC

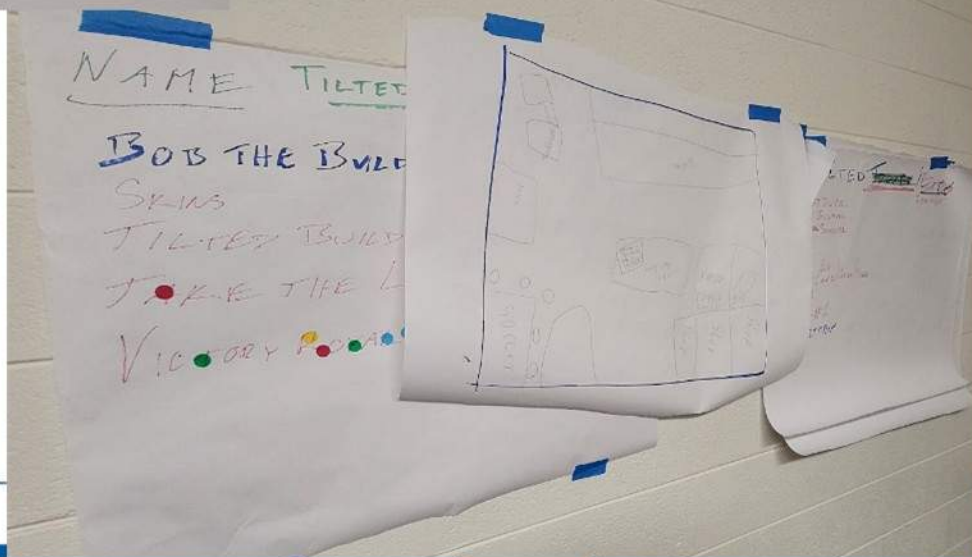
SKINS

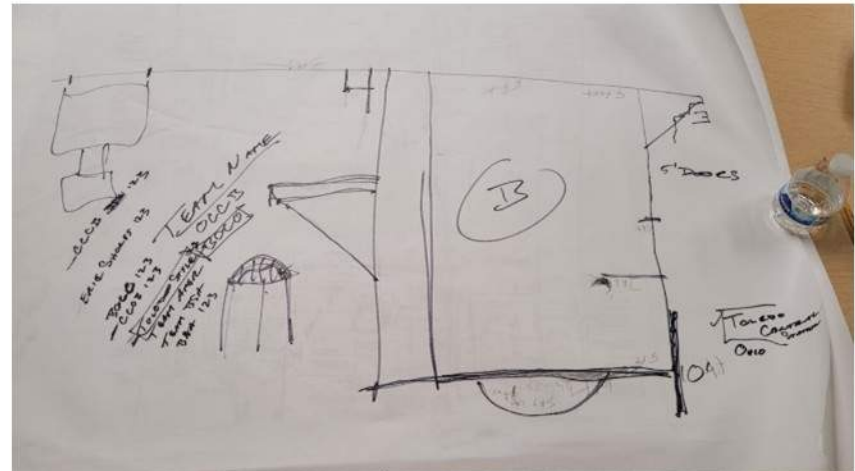
TILTED BUILDERS TYPICAL

TAKE THE L

VICTORY ROYALE

BOAT	PENCIL/PAPER	P. PEACH
BANK	WOLF	<u>MOOSE BARK</u>
TWIN TOWERS	CREEPER	LABERYNTH
HOUSE	AIRPORT CT	COOKIE
CASTLE	FRENCH FRY	SCOUT STATUE
CLOCK TOWER	<u>TILTED TOWER</u>	SMURF



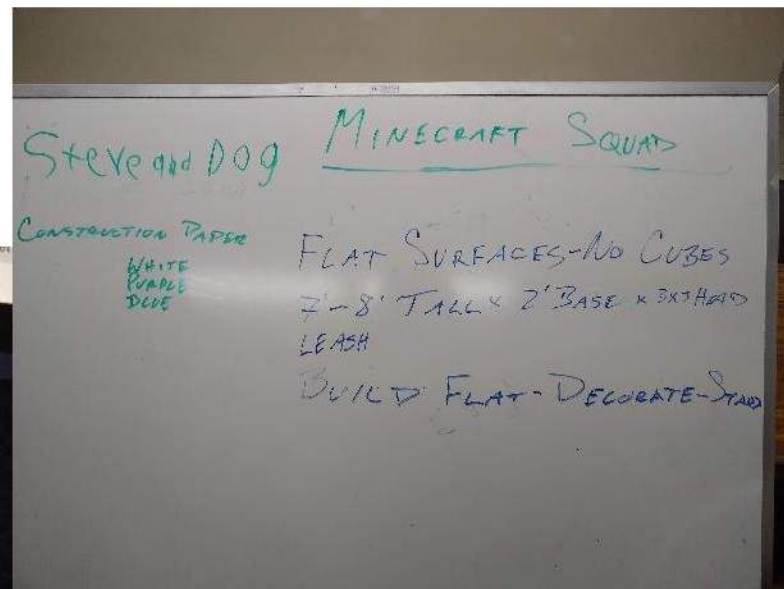
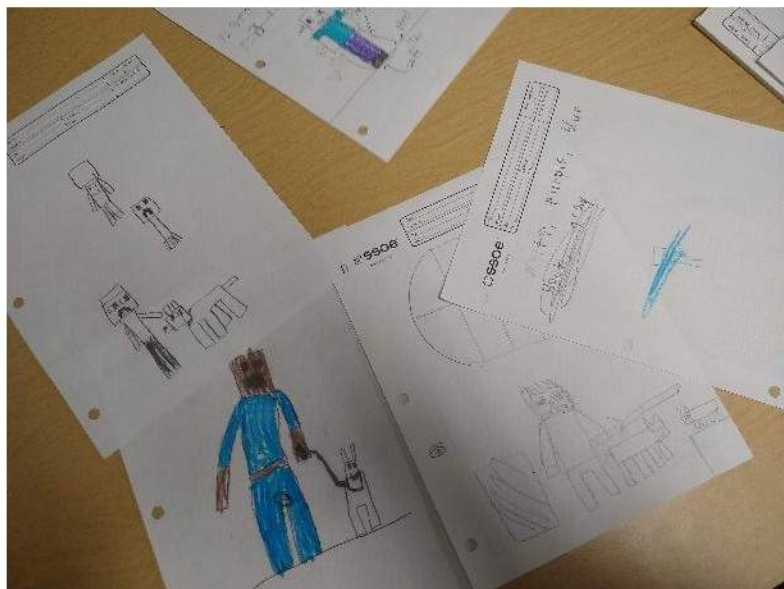


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Example prep Meetings



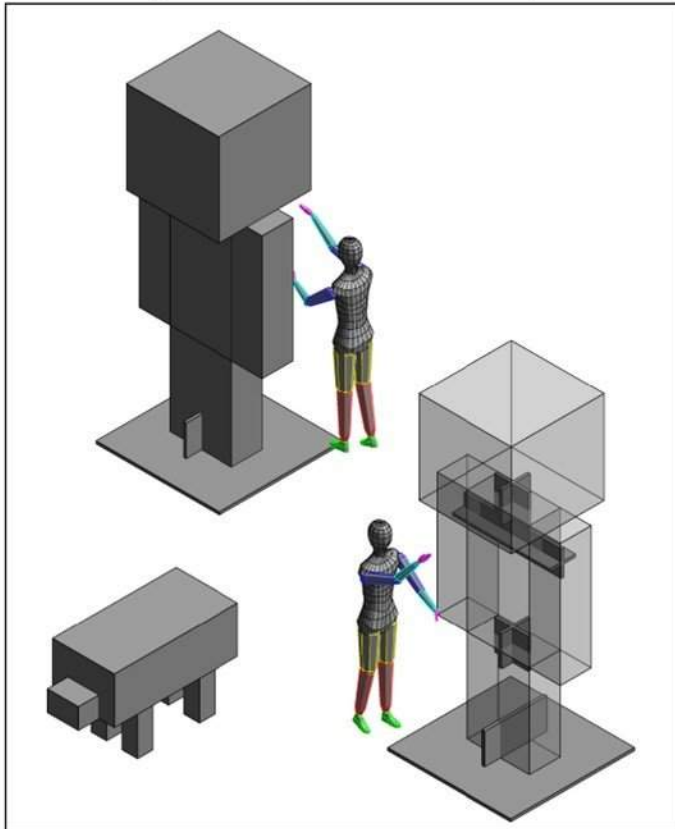


Example prep Meetings

**MINECRAFT
SQUAD**

PROJECT NO.	619-1234567	DRAWING TITLE	COVER
PROJECT MANAGER/TO DESIGN	Designer		
DESIGNED	Designer		
CHECKED	Checker		

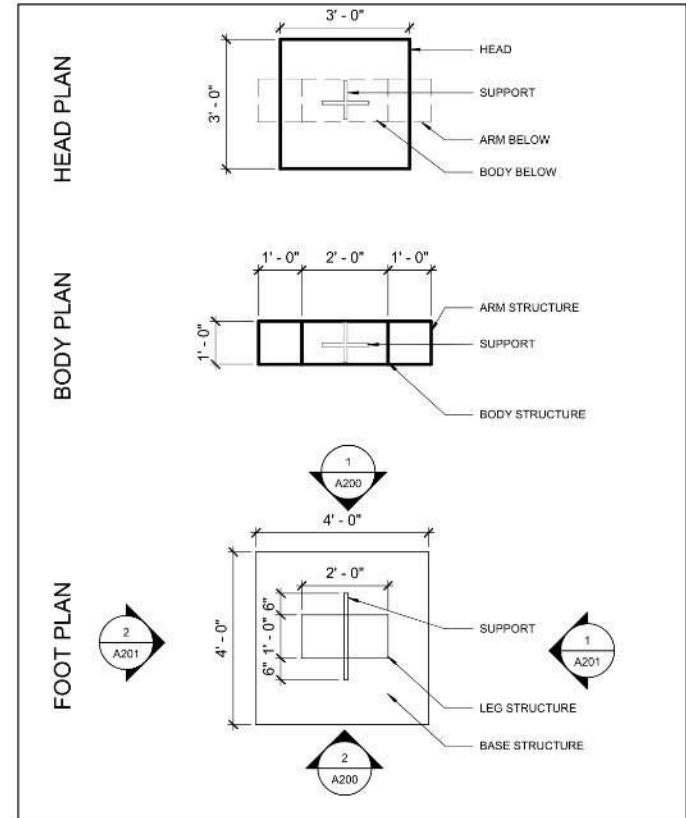
PROJECT TITLE	CONSTRUCTION CITY
DRAWING NO.	A001



**MINECRAFT
SQUAD**

PROJECT NO.	619-1234567	DRAWING TITLE	FLOOR PLANS
PROJECT MANAGER/TO DESIGN	Designer		
DESIGNED	Designer		
CHECKED	Checker		

PROJECT TITLE	CONSTRUCTION CITY
DRAWING NO.	A100



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**Scouting
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Example prep Meetings



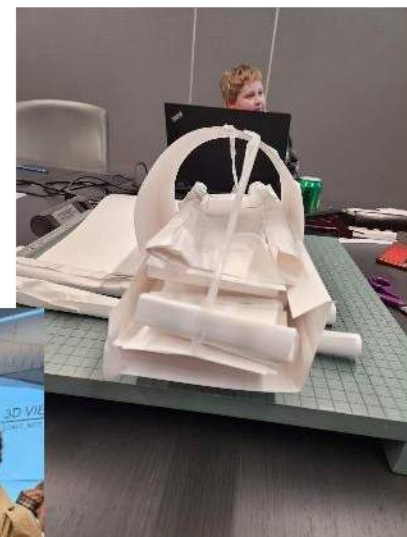
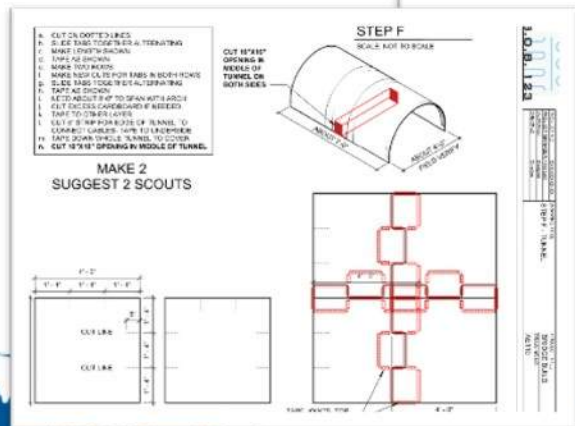
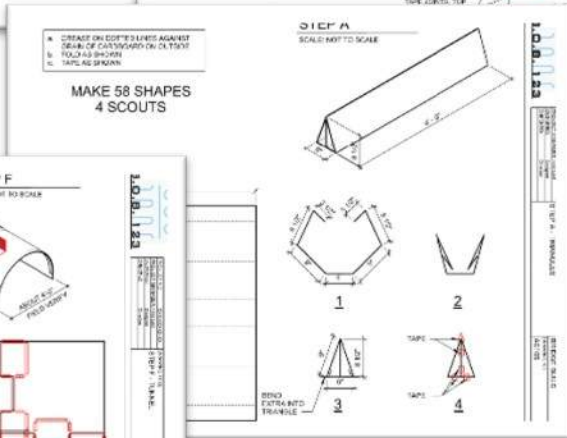
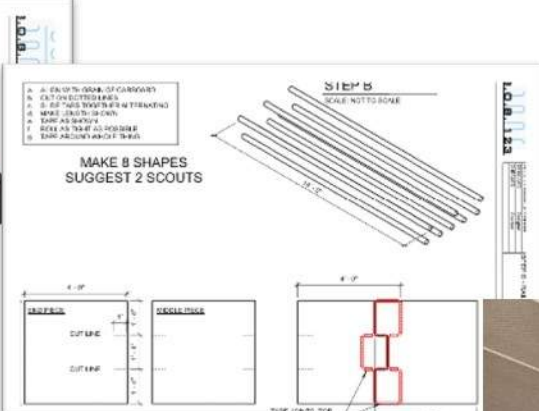
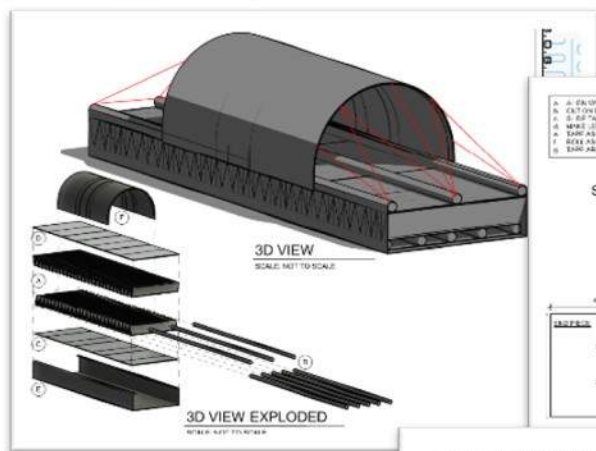
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Example prep Meetings



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Closing Statements

- **Volunteers Needed**
 - Friday November 13th at Penta @ 3-6
 - Questions & Answers
 - PowerPoint Presentation posted at <https://scoutingevent.com/460-CCity>
 - Breakout Sessions
 - Bridge Builders – Chuck Walker
 - City Builders – Chris Baker



Thank you

See you Saturday, November 14th

