

# Mountlake Terrace High School

## Drafting Technology

### Unit 18:

**Title:** Engineering Drawing - Flat Patterns & Developments

**Objective:**

the student will be able to:

1. Draw a flat plan view from an isometric foldup view.
2. Draw developments from data given.
3. Create a 3 dimensional development model.

**Textbook:** *Basic Technical Drawing* by Spencer

**Chapter 17:** Developments & Intersections

**Reading Assignment:** pp. 292-317: Thoroughly study every picture on the pages listed above and read each caption under each picture. Additionally read any sections necessary for clarification of any concept not fully understood through the pictures.

### Plate 1:

p. 313 --> fig. 643-III: Parallel-Line Development -  
dimension

### Plate 2:

p. 312 --> fig. 642-II: Parallel-Line Development -  
dimension

### Plate 3:

p. 313 --> fig. 643-I-2: Parallel-Line Development -  
dimension

### Plate 4:

p. 313 --> fig. 643-I-2: Parallel-Line Development -  
Make a new plate identical to Plate 3 above  
but without a title block. Next cut it  
out and build a 3 dimensional model  
using small pieces of tape to fasten it  
together. Accuracy is very important.