

OHIO SCHOOL  
FACILITIES  
COMMISSION

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2010  
OHIO  
SCHOOL  
DESIGN  
MANUAL

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The Ohio School Facilities Commission is pleased to announce the 2010 Ohio School Design Manual (OSDM) update.

Each year the Commission revises the OSDM with support and valuable input from the design and construction community, school districts, state agencies and other interested parties. The result is a dynamic document that reinforces our commitment to high quality school facilities while maintaining flexibility and local control.

The manual is a cornerstone of the Commission's efforts to promote the 21<sup>st</sup> century learning environment, providing guidelines that serve the diverse needs of local school communities and their students. For our Design Professionals, the OSDM provides a wide selection of high quality materials and systems to serve the districts over the entire lifecycle of the building. This approach ensures that both the district and the taxpayers of Ohio achieve the maximum benefit from their investment.

Ohio continues to build on past design achievements that meet the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) for Schools. The LEED system is the national benchmark for high performance green buildings.

The OSFC acknowledges the difficult design and construction tasks that ultimately result in the buildings so critical to our Ohio communities and the new educational goals set by Governor Strickland. There is a necessary balance measured between the complexity and cost of 21<sup>st</sup> century structures and the sustainability and maintenance requirements to be born by local taxpayers for decades to come. The OSFC will be guided by best practices, mindful that what we build today must last.

We look forward to working with you to design and build exciting educational environments for Ohio school students.

Sincerely,

Ohio School Facilities Commission

Richard C. Murray  
Executive Director

## **FOREWORD**

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# OHIO SCHOOL DESIGN MANUAL

## Ohio School Facilities Commission

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6305	CT-SD <b>CT-SD-1</b> CT-SD-2 <b>CT-SD-3</b> CT-SD-4 CT-SD-5	<u>Student Dining Spaces</u> Spatial Relationships Diagram <b>Student Dining</b> Stage <b>Staff Dining</b> Table Storage Family Restroom
6306	CT-FS CT-FS-1 <b>CT-FS-0</b> CT-FS-1a CT-FS-1b CT-FS-1c CT-FS-1d CT-FS-1e CT-FS-2 CT-FS-3 CT-FS-4	<u>Food Service Spaces</u> Spatial Relationships Diagram Kitchen <b>Warming Kitchen</b> Preparation Area Serving Area Dry Food Storage Cooler/Freezer Ware Washing Dietician's Office Restroom / Locker Room Locker Room
6307	CT-CU CT-CU-1 <b>CT-CU-2</b>	<u>Custodial Spaces</u> Spatial Relationships Diagram Workroom <b>Custodial Office</b>
6308	<b>CT-GS-1</b> <b>CT-GS-2</b> CT-GS-3 CT-GS-4 CT-GS-5 CT-GS-6 <b>CT-GS-7</b> CT-GS-8	<u>General Spaces</u> <b>Large Group Restrooms</b> <b>Custodial Closet</b> Electrical Closet Telecommunications Room Storage Area Central Storage/Distribution Center <b>Loading/Receiving/Warehouse Area</b> Restroom
6309	<b>CT-BS-1</b> CT-BS-2	<u>Building Spaces</u> <b>Corridors</b> Mechanical/Electrical/Space Decks

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### Program Spaces

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#### **Program Type 1 - Table of Contents**

Spatial Relationship Diagram

Example

CT-P1-1 Lab

**Accounting - 7**

**Administrative and Professional Support - 8**

**Automation & Robotics - 11**

**Aviation Occupations - 9**

**Business Management – 10**

**Electronics - 11**

**Financial Services - 12**

**Information Support & Services - 16**

**Interactive Media - 16**

**Legal Management and Support - 8**

**Medical Management and Support - 13**

**Network Systems - 16**

**Programming and Software Development - 16**

**Telecommunications - 14**

**Travel and Tourism - 15**

**Visual Design and Imaging - 16**

CT-P1-2 Office

CT-P1-3 Storage Area

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#### **Program Type 2 – Table of Contents**

Spatial Relationship Diagram

Example

CT-P2-1 Lab

**Animal Bioscience – 8**

**Biotechnology - 7**

**Biotechnology for Food, Plant, Animal Sciences - 8**

**Community Health Aide - 10**

**Criminal Science Technology - 8**

**Dental Laboratory Technology - 11**

**Emergency Medical Technician - 12**

**Energy Science - 7**

**Exercise Science/Sports & Recreation Health Care - 13**

**Health Information Management Service - 15**

**Health Support Pathway - 14**

**Health Unit Coordinator – 15**

**Home Health - 10**

**Medical Laboratory Technology – 8**

**Pharmacy Assisting - 7**

**Plant Bioscience - 8**

**Practical Nursing - 16**

**Therapeutic Pathway - 14**

CT-P2-2 Office

CT-P2-3 Storage Area

CT-P2-4 Changing Room

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### **Program Type 3 – Table of Contents**

Spatial Relationship Diagram

Example

CT-P3-1 Lab

**Early Childhood Education and Care - 7**

**Observation Room / Infants Room / Kitchen/Break Room**

**Work Room / Toddler Restroom / Reception**

**Entrepreneurship – 15**

**Bookstore / Display**

**Ground Operations - 19**

**Reference Room**

**Lodging - 21**

**Banquet Room**

**Marketing Communications - 15**

**Bookstore/Display**

**Marketing Management and Research – 15**

**Bookstore / Display**

**CT-P3-2 Office**

**CT-P3-3 Storage Area**

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### **Program Type 4 – Table of Contents**

Spatial Relationship Diagram

Example

CT-P4-1 Lab

**Animal Science and Management (small animal) - 7**

**Pet Shop/Clinic/Grooming/Animal Room #1/Animal Room #2/Kennel**

**Career Paths for the Law Profession - 14**

**Weight Room / Interrogation Room**

**Clinical Health Care Services - 17**

**Training Restroom / Laundry Room**

**Cosmetology - 20**

**Dispensary / Laundry Room / Facial Room / Manicure Room /**

**Customer Toilet**

**Criminal Justice - 14**

**Weight Room / Interrogation Room**

**Culinary and Food Service Operations - 26**

**Restaurant / Dry Storage**

**Dental Assistant - 29**

**X-Ray Room / Darkroom**

**Diagnostic Pathway - 32**

**Exam Room**

**Fire Fighter Training - 34**

**Weight Room**

**Media Arts - 36**

**Media Arts Control Room/Edit / Vestibule**

**Nurse Assisting - 17**

**Training Restroom / Laundry Room**

**Optometric Occupations - 39**

**Exam Room**

**Patient Care Technician - 41**

**Training Restroom / Laundry Room**

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- Performing Arts - 44*
  - Practice Room*
- Private Security – 14*
  - Weight Room / Interrogation Room*
- Surgical Technology - 46*
  - Operating Room / Instrument Room / Scrub Room*
- CT-P4-2 Related Classroom**
- CT-P4-3 Office**
- CT-P4-4 Storage Area**
- CT-P4-5 Changing Room**

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### **Program Type 5 – Table of Contents** **Spatial Relationship Diagram**

Example

CT-P5-1 Lab

- Agribusiness and Production Systems - 8*
- Auto Specialization - 9*
- Brick, Block, and Cement Masonry - 10*
- Building and Property Maintenance - 11*
- Building Technology - 11*
- Custodial Services - 12*
- Electrical Trades - 13*
- Environmental Controls Technologies - 14*
- Heavy Equipment (Construction) - 15*
- Integrated Systems Technology - 16*
- Interior Design and Application - 17*
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- Manufacturing Operations - 18*
- Natural Resource Management - 19*
- Plumbing and Pipefitting - 20*
- Power Equipment Technology - 21*
- Power Transmission - 22*
- Procurement, Acquisition, Logistics, and Supply Chain Management - 7*
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**CT-P5-2 Related Classroom**

CT-P5-3 Office

CT-P5-4 Storage Area

**CT-P5-5 Changing Room**

**CT-P5-6 Tool Crib**

**CT-P5-7 Reference Room**

**CT-P5-8 Toilet Room**

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### **Program Type 6 – Table of Contents** **Spatial Relationship Diagram**

Example

CT-P6-1 Lab

- Agriculture/Industrial Equipment - 7*
  - Engine Storage / Flammable Material Storage*
- Auto Collision Repair - 10*
  - Auto Parts Storage*
- Auto Technology - 12*
  - Engine Storage / Machine Room / Flammable Material Storage*

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Carpentry - 16  
    Finishing Room / Material Storage  
**Construction (2 clusters) - 19**  
    **Design/Build / Management / CAD Room**  
**Engineering Technology – 21**  
    **CAD Room**  
**Food Science and Technology - 23**  
    Freezer / Cooler / **Retail**  
**Horticulture - 27**  
    **Retail**  
**Medium/Heavy Truck Technician - 29**  
    Engine Storage / Flammable Material Storage / Machine Room  
**Precision Machining - 33**  
    CNC Room / **Inspection Room**  
Wood Product Technologies - 36  
    Finishing Room / Material Storage  
**CT-P6-2 Related Classroom**  
CT-P6-3 Office  
CT-P6-4 Storage Area  
**CT-P6-5 Changing Room**  
**CT-P6-6 Tool Crib**  
**CT-P6-7 Reference Room**  
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**Spatial Relationship Diagram**  
Example  
CT-P7-1 Lab  
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        Stables  
    **Aviation Maintenance - 7**  
        **Cleaning Room / Parts Storage / Hazardous Material Storage**  
**CT-P7-2 Related Classroom**  
CT-P7-3 Office  
CT-P7-4 Storage Area  
**CT-P7-5 Changing Room**  
**CT-P7-6 Tool Crib**  
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	7100-9 Account for Site Constraints and Benefits
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	7100-31 Accurately Simulate Daylighting Performance
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	7200-3 Kitchen Ventilation Hood
	7200-4 Ice Machines
	7200-5 Computers and Servers
	7200-6 Computer Monitors
	7200-7 Notebook & Tablet Computers
	7200-7 TV & Video Replay Equipment
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8113	Plant-Precast Concrete Insulated Sandwich Wall
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8115	Metal Panel on Metal Framing
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<b>8121</b>	<b><i>Shingle Roof System</i></b>
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8124	Built-up Roof
8125	Membrane Roof
8126	Recommended Roof Ridge
8127	Exterior Wall System
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8210	Materials and Systems
8220	Design Criteria/Evaluation

#### Plumbing

<b>8310</b>	<b><i>Design Criteria</i></b>
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#### HVAC

<b>8410</b>	<b><i>Systems Evaluation</i></b>
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<b>8600</b>	<b><i>Systems</i></b>
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### Chapter 8: Systems and Materials (Career-Technical)

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9103	<u>Concrete</u> 031119 Insulating Concrete Forming <b>033000 Cast-In-Place Concrete</b> 033510 Polished Concrete Finishing 033519 Colored Concrete Finishing 034100 Precast Structural Concrete 034500 Precast Architectural Concrete 035113 Cementitious Wood Fiber Decks 035216 Lightweight Insulating Concrete
9104	<u>Masonry</u> <b>042000 Unit Masonry</b> 042250 Autoclaved Aerated Concrete (AAC) Masonry 042700 Glass Masonry Units 047200 Cast Stone
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- 075000 Membrane Roofing**
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- 075700 Coated Foamed Roofing**
- 076200 Sheet Metal Flashing and Trim**
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- 077200 Roof Accessories**
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- 081416 Flush Wood Doors
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- 092400 Portland Cement Plastering
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102113	Toilet Compartments
102123	Cubicles
102213	Wire Mesh Partitions
102226	Operable Partitions
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104400	Fire Protection Specialties
105113	Lockers
105613	Metal Storage Shelving
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111300	Loading Dock Equipment
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115123	Library Stack Systems
115213	Projection Screens
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9208	<u>Openings</u> 083416 Bottom Roll Slide Hanger Doors 083436 Revolving Darkroom Doors
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### Chapter 10: Miscellaneous (Career-Technical)

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**PURPOSE**

The purpose of this Chapter is to provide the Vocational School District and the Design Professional with the requirements and relationships for the Career-Technical School spaces identified in Chapter 2: Bracketing.

**INTRODUCTION**

This Chapter begins with an overall building diagram showing how the various areas of a Career-Technical school could be arranged. The diagram is meant only to demonstrate the relationships between various parts of the building.

Along with the overall building diagram, there are various program area diagrams throughout this chapter which demonstrate how specific spaces may relate to each other within a particular program area.

Following each program area diagram are representative space plates for each type of space in the program area. Each space plate includes a diagram of the room showing a possible layout and also gives other information about the space, including:

- a. Program Activities
- b. Spatial Relationships
- c. Environmental Considerations
- d. Finishes
- e. Loose Furnishings
- f. Features

**DIAGRAM**

Diagrams of the space have been developed to show how some of the features and loose furnishings may be organized. The space is not required to be designed in the configuration shown.

**PROGRAM ACTIVITIES**

Program activities indicate the type of activities that may occur in the space. These activities will vary from school district to school district depending on the educational program.

**SPATIAL RELATIONSHIPS**

Relationships of a particular room to other spaces and activities have been identified to assist the Design Professional in the design of the facility.

**ENVIRONMENTAL CONSIDERATIONS**

Environmental considerations are items that may affect the educational program. They are the basis of some the requirements of Finishes, Features, Plumbing, HVAC, Electrical, and Technology. 5% of floor area for natural light openings is a minimum and is considered to be the masonry or rough opening.

## INTRODUCTION

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

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### FINISHES

The finishes stated for the spaces have been developed based on the function of the room. The spaces adjacent to the room or a building system may change the finishes stated. For example, it may be necessary to change a gypsum wallboard partition to a concrete masonry wall as a result of the structural system.

### LOOSE FURNISHINGS

Loose furnishings are to be funded by the Ohio School Facilities Commission. The loose furnishings requirements are to be coordinated with the district's educational program. As an example, some spaces may require tables with student chairs and other spaces may require student desks with chairs.

- \* The intent of the loose furnishings shown on the space plates is not necessarily to be all-inclusive of furniture options or mandate items which may not be needed in a particular district, but rather to provide a general concept of how a particular space could be laid out. Some items listed as loose furnishings could be provided as fixed casework and items listed as fixed casework, if appropriate, could be provided as loose furnishings depending on the building design and types of technology used. Construction and loose furnishings budgets should be coordinated appropriately.

### LOOSE EQUIPMENT

Loose equipment, although shown in some space plates, is not generally purchased through the classroom facilities assistance program (CFAP). This is the responsibility of the Career-Technical School.

### FIXED EQUIPMENT

Fixed equipment which is defined as being attached to and therefore becoming a part of the building structure and having a useful life of greater than five years is provided by CFAP.

### FEATURES

Features identified on the space plates are recommended for these rooms. These features include Fixed Items, Plumbing, Heating, Ventilating and Air Conditioning, Electrical, and Technology systems as well as Miscellaneous Items. Exact sizes of items may need to be modified slightly to interface with the exact size and proportions of the actual space.

Casework and Visual Display Boards should reflect the needs of the district's educational program. The intent of this list is not to mandate casework or visual display boards that may not be needed by a particular district, but rather to be used as a guideline for items that are generally used in this type of space. Some items listed as "fixed casework" could also be provided by mobile casework or loose furnishings if appropriate. Construction and loose furnishings budgets should then be adjusted appropriately.

**AREA** Square foot area given for the room is the required area. This area is given in net square feet – defined as the area within the walls of the room.

**PROJECTORS** The location of overhead projectors in ceilings of spaces where required shall be carefully determined in relation to the projection surface.

**OPTIONS**

1. Some finishes and features have options noted on the space plates. Linoleum (spec.section 096516) or rubber sheet flooring is an option to resilient flooring or carpet. Steel stud and abuse-resistant wallboard partition is an option to concrete masonry between classrooms, labs, and other academic spaces.
2. The science lab layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

**LIGHTING**

Interior lighting shall be controlled by occupancy sensors, automatic timed lighting controlled system or a combination of both to comply with ASHRAE 90.1. Exterior lighting shall be controlled by photosensor, astronomical time clock, or temperature control system to comply with ASHRAE 90.1. to automatically turn lighting off when sufficient daylight is available. Interior and exterior lighting allowable power densities shall be in compliance with ASHRAE 90.1.

**ELECTRICAL**

A room safety push-button (kill) switch capable of de-energizing room electrical power shall be provided in rooms where machines, tools, apparatus, etc. could cause physical harm to student. Button shall be connected to electrical circuits, panelboards, bus duct, etc. that serves such tools, apparatus, etc.

**DESIGN CONSIDERATIONS**

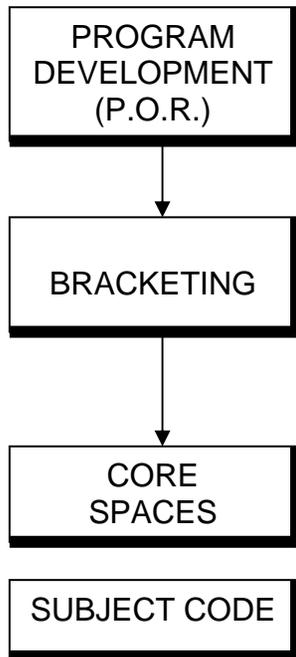
In order to accommodate school districts in meeting the unique requirements of it's Career-Technical students, the OSFC has provided spaces that accommodate instructional and support activities. The layout and organization of those spaces is critical to the educational success of the school. Therefore, during the planning and design of the career technical school, the district and design team should take into consideration some of the following factors.

**Educational**

- Current and future trends in Career-Technical Educational programs and services
- Ohio Department of Education Career-Technical Pathways
- Current and future programs being provided by the school district
- Type and number of students in each career pathway and program type
- It is important for the design team to understand how students receive career-technical and academic instruction. Some students attend their regular high school in the morning and come to a career-technical school in the afternoon. Others may stay at the career-technical school all day.

**Layout and Organization**

- Based on the programs provided by the district, select the laboratory spaces, related and support spaces needed to adequately deliver the curriculum
- Related spaces such as classrooms, storage, restrooms, and reference rooms should be arranged to allow for use by multiple programs. For example, CT Program Types 4-7 commonly share classrooms. Flexibility and adaptability should be considered during the planning and design phases.
- Consider current and future program changes and how instructional and support spaces can be designed to accommodate change. Look for commonalities in spaces that would allow multiple use of spaces.
- Consider providing Extended Learning Areas for use by individuals and small groups
- Consider providing common student gathering areas
- Movement of students, staff, supplies, and maintenance personnel is a primary consideration.
- Encourage members of the district and design team to research how new career-technical schools throughout the country are being designer



Determined previous to this chapter between school district and design professional. Building program can be core spaces, Career-Technical subject codes, or a combination of both.

Determined in Volume One, Chapter 2 of the Design Manual.

Once building program is determined, Chapter 6 can be utilized to develop individual spaces. Core spaces are located at the beginning of Chapter 6. These spaces include Academic Core, Special Education/Student Service, Administrative, Media Center, Student Dining, Food Service, Custodial, General Service, and Building Service spaces.

The remainder of Chapter 6 describes the seven Program Types in which all ODE recognized subject codes are placed.

Once the architect knows which subject codes will be in the building program, those subject codes can be found in the index. An index of all subject codes, both by subject code name and subject code number, follows these instructions. As an example, the subject code, "Cosmetology", is in Program Type 4. Turning to the appropriate tab, one will find a general description, a program example, lab example, lab descriptions, and plates for all support spaces.

Since a subject code consists of a lab, possible program specific rooms, and typical support space, the design professional must review the entire Program Type section. Lab descriptions are in alphabetical order and follow the Lab example plate. These summaries describe the contents and systems needed for each specific lab (and only the lab). Following these lab summaries are plates and descriptions for the remaining support spaces.

Certain Program Types (3, 4, 6, and 7) require the addition of program specific spaces. These are rooms needed in addition to the lab and typical support spaces. The descriptions of these spaces can be found directly after the summary of a particular lab.

With sizes and descriptions of all spaces within a particular subject code known, the design professional can proceed with the design of the subject code. Graphic plates of the labs are not provided due to the wide variety of teaching philosophies throughout the Career-Technical system within the State of Ohio. Each design professional is permitted to locate all listed items and equipment at their discretion after consultation with the school district.

The following tables, which are sorted by program name and number, relate the unique subject code for each specialized program and the Program Type space that would be most appropriate for that curriculum delivery. The page numbers locate the program space descriptions in this Design Manual Career-Technical Section.

**INDEX BY PROGRAM NAME****CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<b>SUBJECT CODE</b>	<b>PROGRAM TYPE</b>	<b>PROGRAM</b>	<b>PAGE NUMBER</b>
14.0100	1	Accounting	6311-7
14.0300	1	Administrative and Professional Support	6311-8
01.0301	5	Agribusiness and Production Systems	6315-8
01.0201	6	Agriculture / Industrial Equipment	6316-7
01.0150	2	Animal Bioscience	6312-8
01.0901	7	Animal Science and Management (Equine)	6317-11
01.0901	4	Animal Science and Management (small animal)	6314-7
17.0301	6	Auto Collision Repair	6316-10
17.0303	5	Auto Specialization	<b>6315-9</b>
17.0302	6	Auto Technology	6316-12
17.0370	1	Automation and Robotics	<b>6311-11</b>
17.0401	7	<b>Aviation</b> Maintenance	6317-7
17.0400	1	Aviation Occupations	6311-9
07.4850	2	Biotechnology	6312-7
01.2000	2	Biotechnology for Food, Plant, and Animal Science	6312-8
17.1004	5	Brick, Block, and Cement Masonry	<b>6315-10</b>
17.1011	5	Building & Property Maintenance	<b>6315-11</b>
17.1017	5	Building Technology	<b>6315-11</b>
14.0800	1	Business Management	6311-10
17.2810	4	Career Paths for the Law Profession	<b>6314-14</b>
17.1001	6	Carpentry	6316-16
07.1100	4	Clinical Health Care Services	<b>6314-17</b>
07.0906	2	Community Health Aide	<b>6312-10</b>
17.1805	6	Construction - Design/Build	6316-19
17.1806	6	Construction - Management	6316-19
17.2602	4	Cosmetology	<b>6314-20</b>
17.2802	4	Criminal Justice	<b>6314-14</b>
17.2815	2	Criminal Science Technology	6312-8
33.0005	4	Culinary and Food Service Operations	<b>6314-26</b>
17.1100	5	Custodial Services	<b>6315-12</b>
07.0101	4	Dental Assistant	<b>6314-29</b>
07.0103	2	Dental Laboratory Technology	<b>6312-11</b>
07.4820	4	Diagnostic Pathway	<b>6314-32</b>
<b>35.0201</b>	3	Early Childhood Education	<b>6313-7</b>
17.1002	5	Electrical Trades	<b>6315-13</b>
17.1503	1	Electronics	<b>6311-11</b>
17.2811	2	Emergency Medical Technician	<b>6312-12</b>
17.1600	2	Energy Science	6312-7
17.1810	6	Engineering Technology	6316-21
<b>04.4110</b>	<b>3</b>	<b>Entrepreneurship</b>	<b>6313-19</b>
17.0100	5	Environmental Controls Technologies	<b>6315-14</b>
07.0410	2	Exercise Science/Sports & Recreation Health Care	<b>6312-13</b>
14.0110	1	Financial Services	<b>6311-12</b>
17.2801	4	Fire Fighter Training	<b>6314-34</b>
01.1001	6	Food Science and Technology	6316-23

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17.0403	3	Ground Operations	6313-19
07.4890	2	Health Information Management Service	6312-15
07.4840	2	Health Support Pathway	6312-14
07.0913	2	Health Unit Coordinator	6312-15
17.1003	5	Heavy Equipment (Construction)	6315-15
07.0307	2	Home Health	6312-10
01.0601	6	Horticulture	6316-27
14.0210	1	Information Support & Services	6311-16
17.1012	5	Integrated Systems Technology	6315-16
14.0240	1	Interactive Media	6311-16
17.1005	5	Interior Design and Application	6315-17
14.0310	1	Legal Management and Support	6311-8
33.0010	3	Lodging	6313-21
17.1300	5	Manufacturing Design and Development	6315-18
17.0360	5	Manufacturing Operations	6315-18
04.0815	3	Marketing Communications	6313-15
04.0810	3	<b>Marketing Management and Research</b>	6313-15
<b>34.0015</b>	4	Media Arts	6314-36
07.0203	2	Medical Laboratory Technology	6312-8
14.0320	1	Medical Management and Support	6311-13
17.1200	6	Medium/Heavy Truck Technician	6316-29
01.0701	5	Natural Resource Management	6315-19
14.0220	1	Network Systems	6311-16
07.0303	4	Nurse Assisting	6314-17
07.0603	4	Optometric Occupations	6314-39
07.0994	4	Patient Care Technician	6314-41
34.0020	4	Performing Arts	6314-44
07.0912	2	Pharmacy Assisting	6312-7
01.0155	2	Plant Bioscience	6312-8
17.1007	5	Plumbing & Pipefitting	6315-20
17.3100	5	Power Equipment Technology	6315-21
17.1402	5	Power Transmission	6315-22
07.0302	2	Practical Nursing	6312-16
17.2302	6	Precision Machining	6316-33
<b>17.2808</b>	<b>4</b>	<b>Private Security</b>	6314-14
04.1900	5	<b>Procurement, Acquisition, Logistics, &amp; Supply Chain Management</b>	6315-7
14.0230	1	Programming & Software Development	6311-16
07.0305	4	Surgical Technology	6314-46
17.1504	1	Telecommunications	6311-14
07.4830	2	Therapeutic Pathway	6312-14
33.0020	1	Travel and Tourism	6311-15
34.0005	1	Visual Design and Imaging	6311-16
17.2306	5	Welding & Cutting	6315-23
17.3601	6	Wood Product Technologies	6316-36

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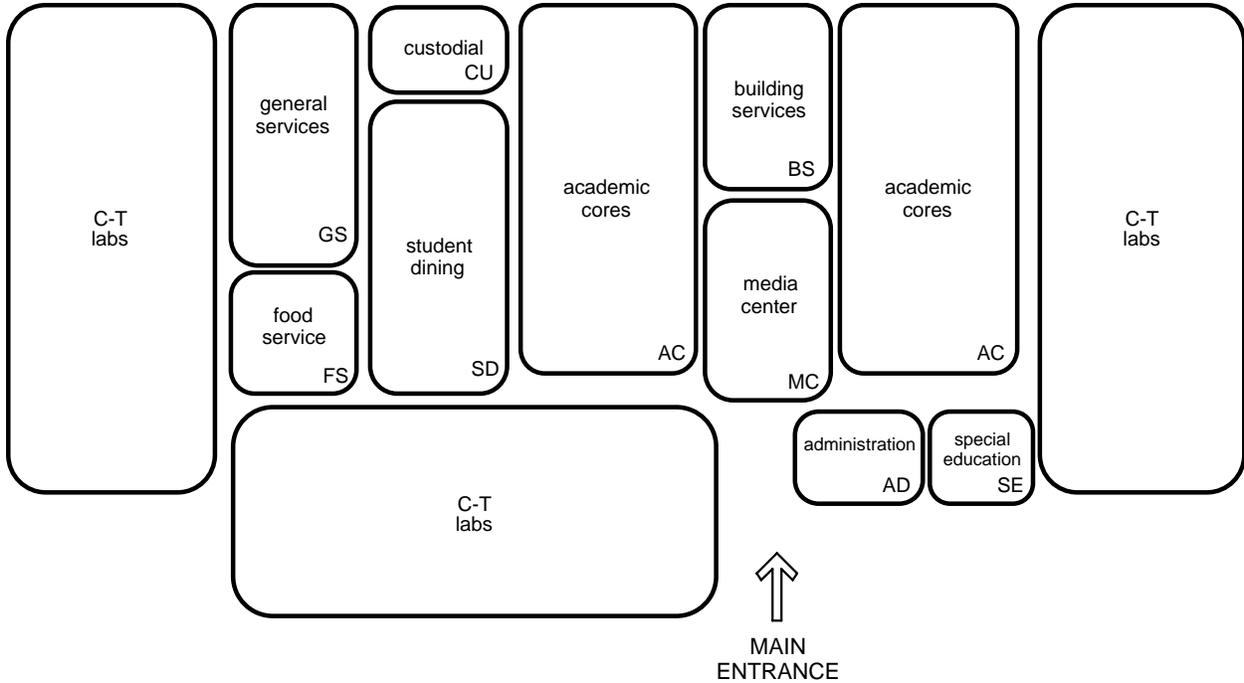
SUBJECT CODE	PROGRAM TYPE	PROGRAM	PAGE NUMBER
01.0150	2	Animal Bioscience	6312-8
01.0155	2	Plant Bioscience	6312-8
01.0201	6	Agriculture / Industrial Equipment	6316-7
01.0301	5	Agribusiness and Production Systems	6315-8
01.0601	6	Horticulture	6316-27
01.0701	5	Natural Resource Management	<b>6315-19</b>
01.0901	7	Animal Science and Management (Equine)	6317-11
01.0901	4	Animal Science and Management (small animal)	6314-7
01.1001	6	Food Science and Technology	6316-23
01.2000	2	Biotechnology for Food, Plant, and Animal Science	6312-8
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04.1900	5	<b>Procurement, Acquisition, Logistics, &amp; Supply Chain Management</b>	6315-7
<b>04.4110</b>	<b>3</b>	<b>Entrepreneurship</b>	<b>6313-19</b>
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17.0302	6	Auto Technology	6316-12
17.0303	5	Auto Specialization	<b>6315-9</b>
17.0360	5	Manufacturing Operations	<b>6315-18</b>
17.0370	1	Automation and Robotics	<b>6311-11</b>
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17.0401	7	<b>Aviation</b> Maintenance	6317-7
17.0403	3	Ground Operations	<b>6313-19</b>
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17.2802	4	Criminal Justice	<b>6314-14</b>
<b>17.2808</b>	<b>4</b>	<b>Private Security</b>	<b>6314-14</b>
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17.3100	5	Power Equipment Technology	<b>6315-21</b>
17.3601	6	Wood Product Technologies	6316-36
33.0005	4	Culinary and Food Service Operations	<b>6314-26</b>
33.0010	3	Lodging	<b>6313-21</b>
33.0020	1	Travel and Tourism	<b>6311-15</b>
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<b>35.0201</b>	3	Early Childhood Education	<b>6313-7</b>

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## NOTES:

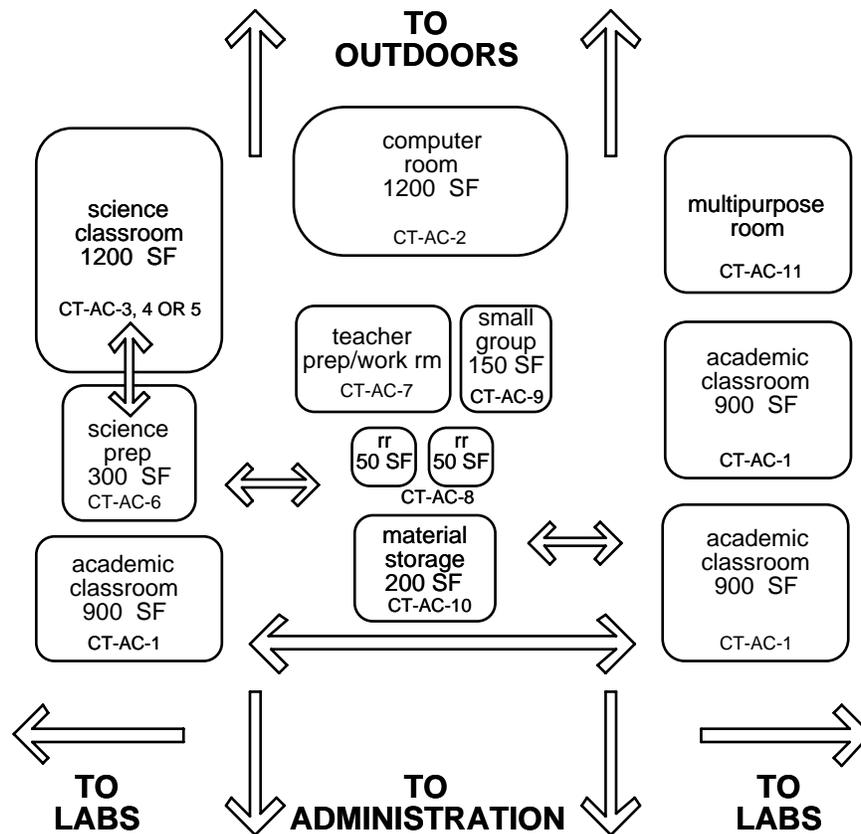
This is an example of how the spaces in a career-technical school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

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A.	Academic Core Spaces	6301-3 thru 26
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E.	Student Dining Spaces	6305-1 thru 10
F.	Food Service Spaces	6306-1 thru 20
G.	Custodial Spaces	6307-1 thru 6
H.	General Service Spaces	6308-1 thru 16
I.	Building Service Spaces	6309-1 thru 4

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## NOTE:

This is an example of how the academic spaces in a career-technical school could be arranged. This is only meant to demonstrate the relationships between various areas of the building.

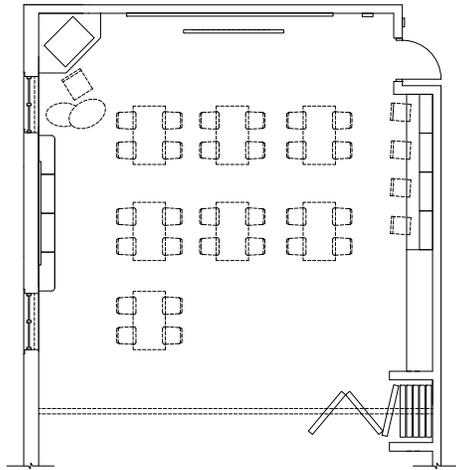
Following are the Academic core space:

- CT-AC-1 Academic Classroom
- CT-AC-2 Computer Room
- CT-AC-3 General Science / Physics
- CT-AC-4 Biology
- CT-AC-5 Chemistry
- CT-AC-6 Science Prep
- CT-AC-7 Teacher Prep / Workroom
- CT-AC-8 Individual Restroom
- CT-AC-9 Small Group Room
- CT-AC-10 Material Storage
- CT-AC-11 Multipurpose Room

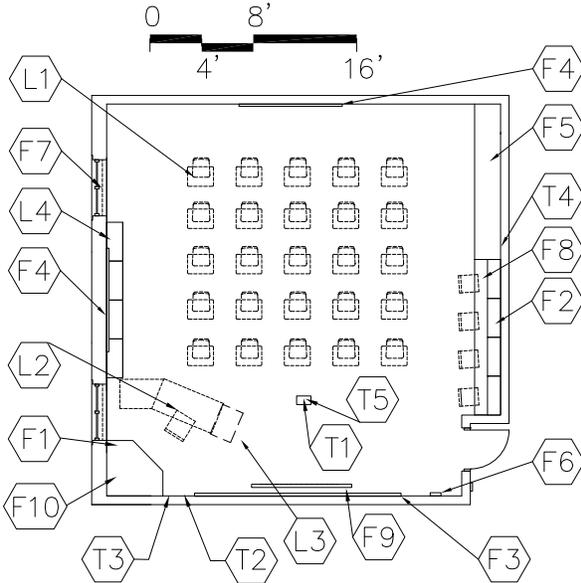
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## ACADEMIC CLASSROOM CT-AC-1

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



CLASSROOM WITH OPTIONAL FOLDING WALL



TYPICAL CLASSROOM

CAPACITY:  
SIZE:

25 students  
900 SF

#### PROGRAM ACTIVITIES:

- Large group, small group, and individual instruction
- Group and individual work
- Demonstrations
- Accommodates any of the core academic disciplines

#### SPATIAL RELATIONSHIPS:

- Near other academic core classrooms
- Proximity to large group restrooms
- Near teacher prep area/workroom
- Classrooms should be located in academic "zone" that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Flexibility of space

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**

#### NOTES:

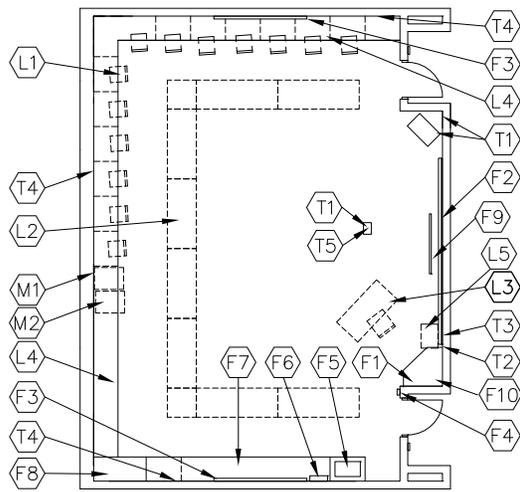
1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.

**ACADEMIC CLASSROOM  
CT-AC-1**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

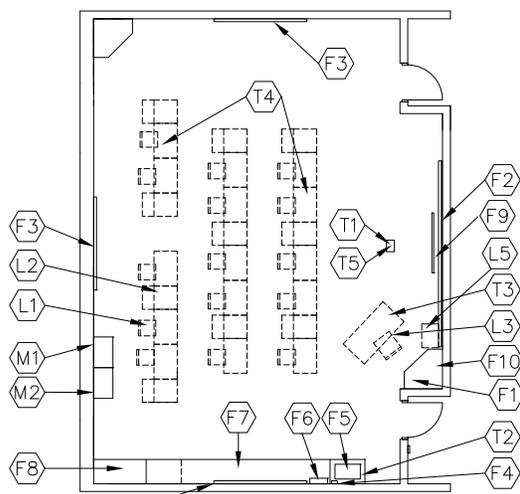
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, <b>carpet tile</b>	096816	F1 3' of tall wardrobe with file drawers	123550
Optional: ET, sheet vinyl, linoleum, or rubber	096516 096500 <b>096813</b>	F2 Computer work surface (could be loose)	123550
		F3 10'-16' of chalk/marker board	101100
		F4 10'-16' of tack board	101100
<u>Base:</u>		F5 8'-12' of base & wall cabinets	123550
Resilient base	096500	F6 Pencil sharpener support	062000
		F7 Windows with integral blinds	085113
<u>Ceiling:</u>		F8 About 10' of wall cabinets	123550
Suspended, acoustical	095113	F9 Projection screen (optional)	115213
		F10 Technology support casework	123550
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
		<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Student desks and chairs		Supply/return air system	Div. 23
L2 Teacher desk or workstation/computer support and chair		Independent temperature control	230923
L3 File cabinet		<u>Electrical:</u>	
L4 9' of low bookcases (fixed or mobile)		Fluorescent lighting:	265100
Wastebasket		Illumination level: See Table 8600-4	
Pencil sharpener		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port near teacher workstation	271513
		T4 4 data ports (minimum) for student use	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		M1 Operable partitions between classrooms are optional	102226

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Where appropriate, some casework may be mobile to add flexibility and become part of the loose furnishings.

**COMPUTER ROOM  
CT-AC-2**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**


PERIMETER WORKSTATION LAYOUT



FREE-STANDING WORKSTATIONS



CAPACITY:  
SIZE:

25 students  
1,100 SF

**PROGRAM ACTIVITIES:**

- Individual computer instruction
- Group instruction
- Individual project work
- Media production
- Small group meetings

**SPATIAL RELATIONSHIPS:**

- Near academic core classrooms
- Near large group restrooms
- Near teacher prep area/workroom

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting with 80% visual comfort probability level
- Environmental sound control -  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**
- Flexibility of space

**NOTES:**

1. Loose furnishings shown represent two of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.

**COMPUTER ROOM  
CT-AC-2**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

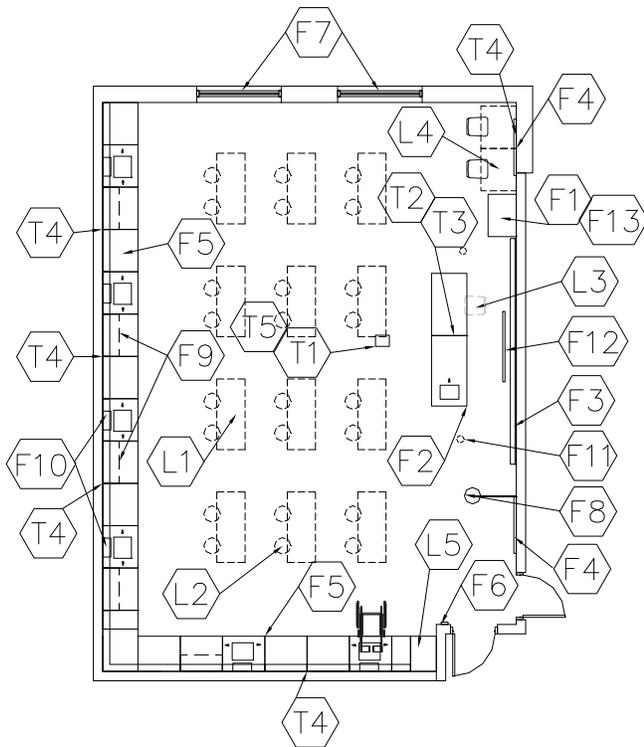
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, <b>carpet tile</b>	096816	F1 3' of tall wardrobe with file drawers	123550
Optional: ET, sheet vinyl, linoleum, or rubber	096500 096516 <b>096813</b>	F2 8'-16' of chalk/marker board	101100
		F3 8'-16' of tackboard	101100
		F4 Pencil sharpener support	062000
		F5 3' sink base cabinet (optional)	123550
<u>Base:</u>		F6 Towel dispenser (optional)	102813
Resilient base	096500	F7 4'-12' of base cabinets	123550
		F8 5'-8' of tall storage cabinets (optional)	123550
<u>Ceiling:</u>		F9 Projection screen (optional)	115213
Suspended, acoustical	095113	F10 Technology support casework	123550
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
		<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Student chairs		Supply/return air system	Div. 23
L2 Work tables		Independent temperature control	230923
L3 Teacher desk or workstation/computer support and chair		<u>Electrical:</u>	
L4 Computer workstation furniture		Fluorescent lighting: Parabolic lenses	265100
L5 File cabinet		Illumination level: See Table 8600-4	
Wastebasket		Multilevel switching	262726
Pencil sharpener		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
L4 could be fixed casework.		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port near teacher workstation	271513
		T4 Classroom area network (13 ports minimum)	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		The following items are to be funded by the school district:	
		M1 Classroom area network file server	
		M2 Printer	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**GENERAL SCIENCE/PHYSICS  
CT-AC-3**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



CAPACITY: 24 - 28 students  
 SIZE: 1,200 SF  
 ANCILLARY SPACES: Science Prep  
 CT-AC-6

**PROGRAM ACTIVITIES:**

- Large group, small group, and individual instruction
- Group and individual work
- Laboratory experimentation
- Data collection and analysis
- Demonstrations
- Project work

**SPATIAL RELATIONSHIPS:**

- Near other science classrooms
- Adjacent to science prep room
- Classrooms located in academic “zone” that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Proximity to large group restrooms
- Flexibility of space

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -  
     wall minimum STC 50  
     ceiling minimum CAC 35, NRC **0.70**
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

**NOTES:**

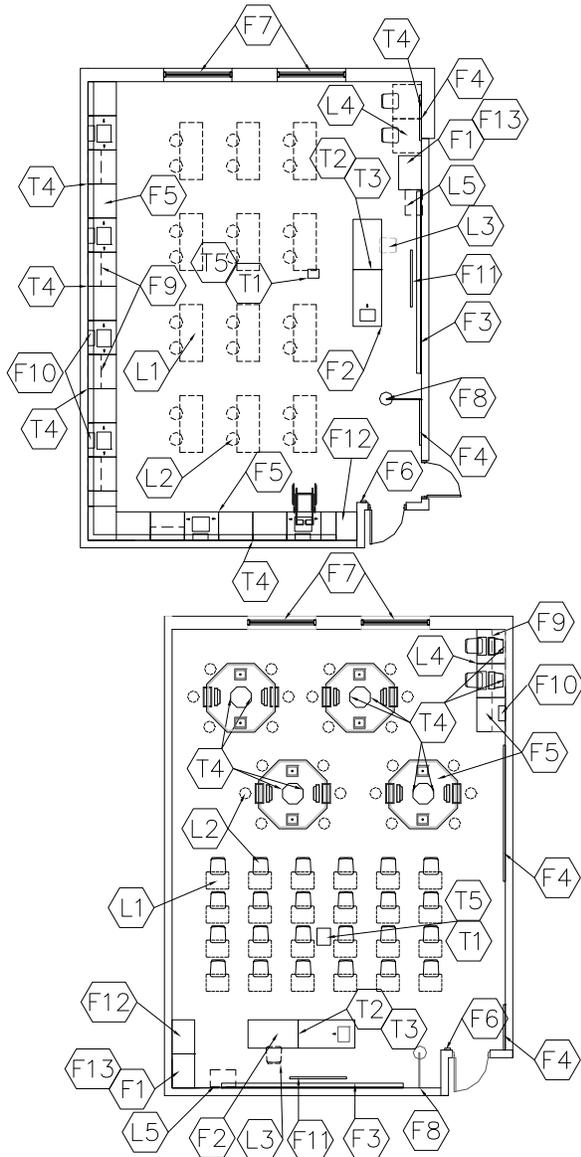
1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. The layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

**GENERAL SCIENCE/PHYSICS  
CT-AC-3**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum,	096500	F1 3' of tall wardrobe with file drawers	123553
rubber, ET, sheet vinyl,	096516	F2 Demonstration table/teacher desk	123553
polished concrete finishing	033510	F3 10'-16' of chalk/marker board	101100
or colored concrete finishing	033519	F4 10'-16' of tack board	101100
		F5 40'-60' of lab casework with sinks	123553
		F6 Pencil sharpener support	062000
		F7 Windows with integral blinds	085113
<u>Base:</u>		F8 Emergency shower/eyewash	224000
Resilient base	096500	F9 18'-24' of wall cabinets	123553
		F10 Towel dispensers (optional)	102813
<u>Ceiling:</u>		F11 2 eye hooks for demonstrations(optional)	055000
Suspended, acoustical	095113	F12 Projection screen (optional)	115213
		F13 Technology support casework	123553
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
		<u>Plumbing:</u>	
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		Emergency shower/eyewash	224000
L1 Student work tables		connections	226313
L2 Student stools/chairs		Gas connections (optional)	226313
L3 Teacher chair or stool		Master shutoff for gas	221500
L4 Computer workstation furniture		Compressed air connections(optional)	221500
L5 File cabinet		<u>HVAC:</u>	
Wastebasket		Supply/return air system	Div. 23
Pencil sharpener		Independent temperature control	230923
		Manual exhaust	Div. 23
L4 could be fixed casework.		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-4	
		Multilevel switching	262726
		Duplex receptacles at perimeter	
		workstations and teaching wall	262726
		Double duplex receptacle adjacent to	
		each data and video port	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port at demonstration table	271513
		T4 4 data ports (minimum)	
		for student use	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Master gas shutoff valve shall be clearly labeled, easily accessible, and immediately operable by staff.



**CAPACITY:** 24 - 28 students  
**SIZE:** 1,200 SF  
**ANCILLARY SPACES:** Science Prep  
 CT-AC-6

**PROGRAM ACTIVITIES:**

- Large group, small group, and individual instruction
- Group and individual work
- Laboratory experimentation
- Data collection and analysis
- Demonstrations
- Project work

**SPATIAL RELATIONSHIPS:**

- Near other science classrooms
- Adjacent to science prep room
- Classrooms located in academic “zone” that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Proximity to large group restrooms
- Flexibility of space
- Appropriate exterior exposure for “grow” window

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control - wall minimum STC 50 ceiling minimum CAC 35, NRC **0.70**
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

**NOTES:**

1. Loose furnishings shown represent two of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. Option: small, bay window-type, pre-manufactured greenhouse.  
No additional square footage allowed.
5. The layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

**BIOLOGY  
CT-AC-4**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

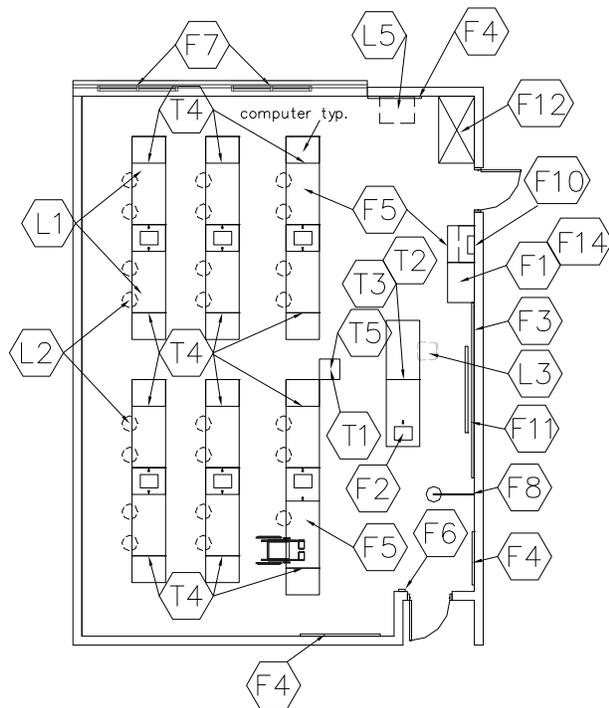
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum,	096500	F1 3' of tall wardrobe with file drawers	123553
Rubber, ET, sheet vinyl,	096516	F2 Demonstration table/teacher desk	123553
polished concrete finishing, or	033510	F3 10'-16' of chalk/marker board	101100
colored concrete finishing	033519	F4 10'-16' of tack board	101100
		F5 40'-60' of lab casework with sinks	123553
		F6 Pencil sharpener support	062000
		F7 Windows with integral blinds	085113
		F8 Emergency shower/eyewash	224000
<u>Base:</u>		F9 18'-24' of wall cabinets (total)	123553
Resilient base	096500	F10 Towel dispensers (optional)	102813
		F11 Projection screen (optional)	115213
<u>Ceiling:</u>		F12 Tall cabinets (optional)	123550
Suspended, acoustical	095113	F13 Technology support casework	123550
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units		Fire suppression system	211000
	042000/099100	<u>Plumbing:</u>	
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		Emergency shower/eyewash	224000
L1 Student work tables		connections	226313
L2 Student stools/chairs		Master shut-off for gas	226313
L3 Teacher chair or stool		Gas connections	221500
L4 Computer workstation furniture		Compressed air connections (optional)	221316
L5 File cabinet		Acid waste piping	221323
Wastebasket		Neutralization tank (optional)	
Pencil sharpener		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature ctrl	230923
		Manual exhaust	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-4	
		Multilevel switching	262726
		Duplex receptacles at perimeter	
		workstations and teaching wall	262726
		Double duplex receptacle adjacent to	
		each data and video port	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port at demonstration table	271513
		T4 4 data ports (minimum)for student use	271513
		Central sound system	275123
		Clock	275313
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Master gas shutoff valve shall be clearly labeled, easily accessible, and immediately operable by staff.

**CHEMISTRY  
CT-AC-5**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**PROGRAM ACTIVITIES:**

- Large group, small group, and individual instruction
- Group and individual work
- Laboratory experimentation
- Data collection and analysis
- Demonstrations
- Project work

**SPATIAL RELATIONSHIPS:**

- Near other science classrooms
- Adjacent to science prep room
- Classrooms located in academic “zone” that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Proximity to large group restrooms
- Flexibility of space

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

**CAPACITY:** 24 - 28 students  
**SIZE:** 1,200 SF  
**ANCILLARY SPACES:** Science Prep  
 CT-AC-6

**NOTES:**

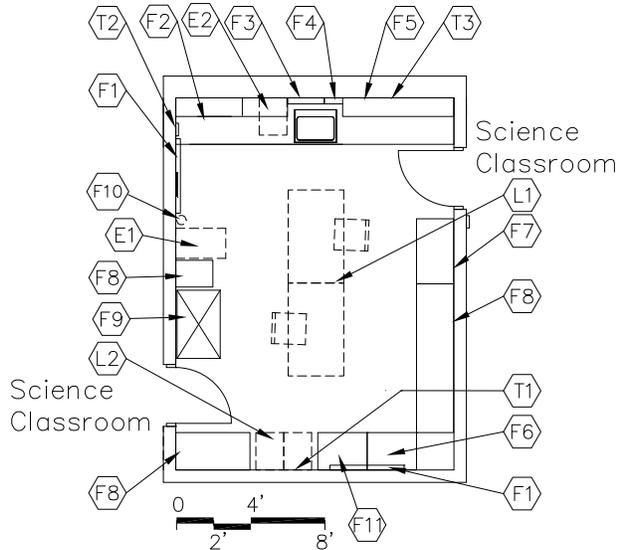
1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. The layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

**CHEMISTRY  
CT-AC-5**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Vinyl sheet flooring, linoleum, rubber, <b>ET</b> , vinyl composition tile, <b>polished concrete finishing, or colored concrete finishing</b>	096500 096516 <b>033510</b> <b>033519</b>	F1 3' of tall wardrobe with file drawers F2 Demonstration table/teacher desk F3 10'-16' of chalk/marker board F4 10'-16' of tack board F5 40'-60' lab casework with sinks F6 Pencil sharpener support F7 Windows with integral blinds F8 Emergency shower/eyewash F9 18'-24' of wall cabinets (optional) F10 Towel dispensers (optional) F11 Projection screen (optional) F12 Fume hood F13 Tall cabinet for microscopes(optional) F14 Technology support casework	123553 123553 101100 101100 123553 062000 085113 224000 123553 102813 115213 115313 123550 123550
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	Plumbing connections Emergency shower/eyewash connections Master shut-off for gas Gas connections Compressed air connections (optional) Acid waste piping Neutralization tank	224000/221116/221119 224000 226313 226313 221500 221316 221323
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system Independent temp control Manual exhaust Exhaust for fume hood	Div. 23 230923 Div. 23 Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Student work tables		Fluorescent lighting: Illumination level: See Table 8600-4 Multilevel switching Duplex receptacles at perimeter workstations and teaching wall Double duplex receptacle adjacent to each data and video port Emergency lighting Means of egress lighting per code	265100 262726 262726 262726 265100 265100
L2 Student stools/chairs		<u>Communications:</u>	
L3 Teacher chair or stool		T1 1 video port	271533/271543
L4 Computer workstation furniture		T2 1 voice port and phone	271513/273113
L5 File cabinet		T3 1 data port at demonstration table	271513
Wastebasket		T4 4 data ports (minimum) for student use	271513
Pencil sharpener		Central sound system	275123
L4 Could be fixed casework		Clock	275313
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Master gas shutoff valve shall be clearly labeled, easily accessible, and immediately operable by staff.



CAPACITY: 1-3 Staff  
 SIZE: 300 SF  
 ANCILLARY SPACES: Science Classrooms  
 CT-AC-3, CT-AC-4, CT-AC-5

**PROGRAM ACTIVITIES:**

- Teacher preparation
- Materials storage
- Laboratory experimentation
- Data collection and analysis
- Small group work

**SPATIAL RELATIONSHIPS:**

- Adjacent to science classrooms
- Shared by more than one science classroom
- Grouped with and have access to other classrooms

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
     wall minimum **STC 45**  
     ceiling minimum **CAC 35, NRC 0.70**
- Ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this science prep room or could be placed in a teacher prep area/workroom.
4. A separate chemical storage room may be created from the science prep room square footage.

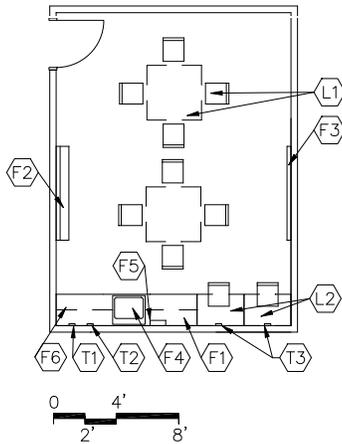
**SCIENCE PREP  
CT-AC-6**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	<u>Spec. Ref.#</u>	<u>FEATURES<sup>1</sup>:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items:</u>	
Vinyl sheet flooring, linoleum,	096516	F1 4' of tack board	101100
rubber, <b>ET</b> , vinyl composition	096500	F2 8'-15' of lab station with sink	123553
tile, <b>polished concrete</b>	<b>033510</b>	F3 Drying rack with pegs (optional)	123553
<b>finishing, or colored concrete</b>	<b>033519</b>	F4 Towel dispenser (optional)	102813
<b>finishing</b>		F5 8'-15' of wall cabinets	123553
		F6 Storage cabinets for acids, Ventilated (optional)	123553
<u>Base:</u>		F7 Storage cabinets for flammables(optional)	123553
Resilient base	096500	F8 8'-16' of tall storage cabinets	123553
		F9 Fume hood (optional)	115313
<u>Ceiling:</u>		F10 Emergency eyewash (if applicable)	224000
Suspended, acoustical	095113	F11 Chemical storage cabinets with acid resistant lining	123553
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
		<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		Plumbing connections	224000/221116/221119
L1 Work tables with chemical-resistant top		Acid waste system	Div. 23
L2 2 file cabinets		Gas connections	226313
Wastebasket		Compressed air connections(optional)	221500
		Access to neutralization tank	221323
<u>EQUIPMENT</u>		<u>HVAC:</u>	
E1 Refrigerator/freezer (optional)		Supply/return air system	Div. 23
E2 Dishwasher (optional)		Independent temperature control	230923
		Manual exhaust	Div. 23
		24 hour exhaust for acid storage cabinet	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle under work tables	262726
		3 duplex receptacles	262726
		Receptacle for refrigerator/freezer	262726
		Double duplex receptacle at each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Fume hood through wall if adjacent to chemistry	
<u>NOTES:</u>			
1. Finishes/Features: Refer to Chapter 9 for specification references.			

**TEACHER PREP/WORKROOM  
CT-AC-7**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

300 SF



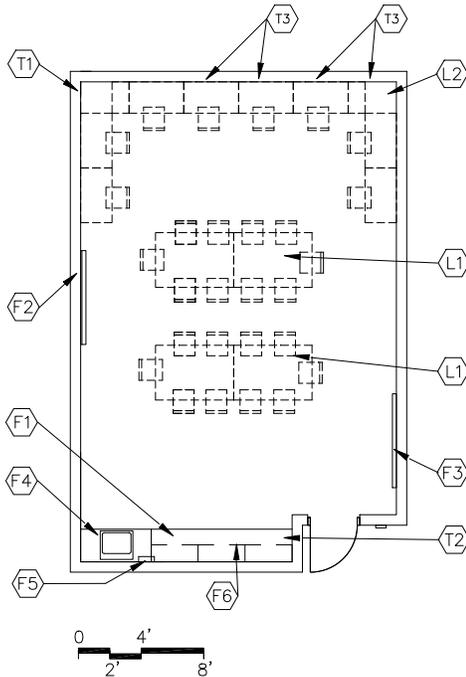
**PROGRAM ACTIVITIES:**

- Teachers and other staff members hold team meetings and prepare for class
- Professional interaction should be encouraged to improve communication, professional development, and team building.

**SPATIAL RELATIONSHIPS:**

- Near academic core classrooms
- Near individual restroom
- Near instructional material storage

600 SF



**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum STC **45**  
ceiling minimum CAC 35, NRC **0.70**

**CAPACITY:** 8 - 28 teachers  
**SIZE:** 300 - 600 SF

**NOTES:**

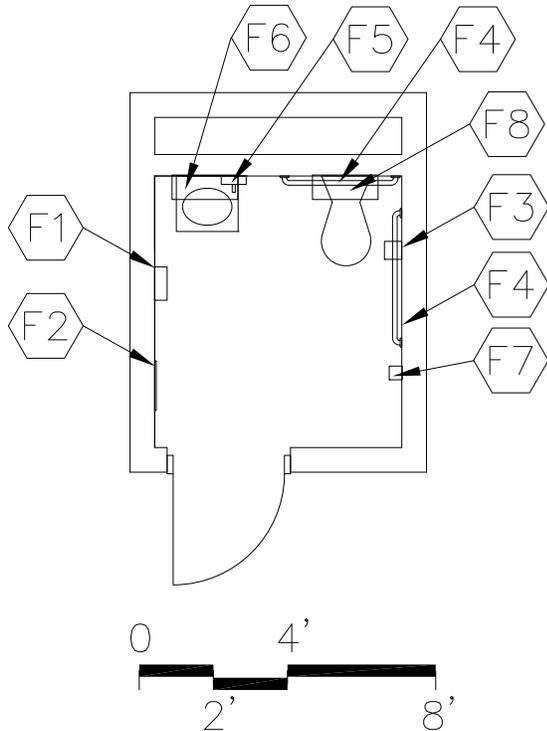
1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this teacher prep area/workroom or could be placed in a classroom

**TEACHER PREP/WORKROOM  
CT-AC-7**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items<sup>2</sup>:</u>	
Carpet, <b>carpet tile</b> , ET, linoleum, vinyl sheet, or rubber	096816 096500 096516 <b>096813</b>	F1 6' - 9' of base cabinets (could be bookcases)	123550
		F2 6'-8' of chalk/marker board	101100
		F3 4'-8' of tack board	101100
<u>Base:</u>		F4 3' sink base cabinet	123550
Resilient base	096500	F5 Towel dispenser (optional)	102813
		F6 6' – 9' of wall cabinets	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression systems	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	Sink	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Tables and chairs		Supply/return air system	Div. 23
L2 Computer workstation furniture		Independent temperature control	230923
Wastebasket		<u>Electrical:</u>	
L2 could be fixed casework.		<b>Single-level switching</b>	<b>262726</b>
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Duplex receptacles for office equipment	262726
		Receptacle for copier(if applicable)	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 2 – 8 data ports near workstations	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Copier by school district	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.



CAPACITY:  
SIZE:

1 person  
50 SF

## PROGRAM ACTIVITIES:

- Personal and health needs for teachers, staff, and other individuals

## SPATIAL RELATIONSHIPS:

- Near academic core classrooms
- Near teacher prep area/workroom

## ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 48**  
ceiling minimum **CAC 35, NRC 0.70**
- Moisture- and stain-resistant finishes

NOTES:

**INDIVIDUAL RESTROOM  
CT-AC-8**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

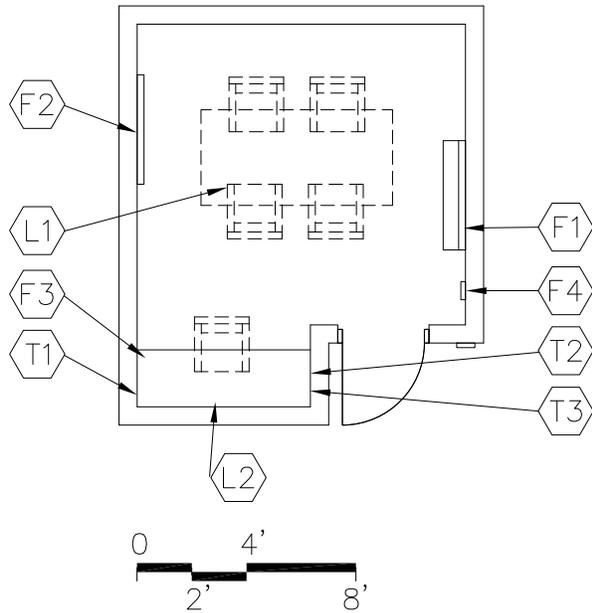
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum, rubber, <b>ET</b> , or sheet vinyl	096516 096500	F1 Towel dispenser	102813 102813
Optional: Ceramic mosaic tile, porcelain tile, or resinous flooring	093000 096723	F2 24" x 60" mirror	102813
		F3 Toilet tissue holder	102813
		F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
		F6 Shelf above sink (optional)	102813
		F7 Coat hook	102813
		F8 Cabinet above toilet (optional)	102813
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Optional: Ceramic mosaic tile, Porcelain tile, resinous flooring, or integral vinyl cove base	093000 096723		
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	Wall-mounted water closet	224000
		Wall-mounted lavatory	224000
<u>Walls:</u>		Plumbing connections	224000/221116/221119
Painted concrete masonry units	042000/099100		
		<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Exhaust air system	Div. 23
Wastebasket		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

## SMALL GROUP ROOM CT-AC-9

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



CAPACITY:  
SIZE:

4 - 5 students  
150 SF

#### PROGRAM ACTIVITIES:

- Student small group work
- Independent student work
- Small group meetings

#### SPATIAL RELATIONSHIPS:

- Near academic core classrooms

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**

#### NOTES:

1. Loose furnishings shown represent one of many possible arrangements.

**SMALL GROUP ROOM  
CT-AC-9**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. <u>Ref.#</u>	<u>FEATURES<sup>1</sup>:</u>	Spec. <u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, <b>carpet tile</b>	096816	F1 4'-6' of chalk/marker board	101100
Optional: ET, sheet vinyl, linoleum, or rubber	096500 096516 <b>096813</b>	F2 4' of tack board	101100
		F3 4'-6' of work surface (optional)	123550
		F4 Pencil sharpener support	062000
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Work tables and chairs		Fluorescent lighting:	265100
L2 Computer workstation furniture		Illumination level: See Table 8600-4	
Wastebasket		4 duplex receptacles	262726
Pencil sharpener		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port	271513/273113
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window(optional)	081113/088000

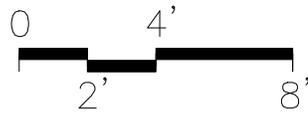
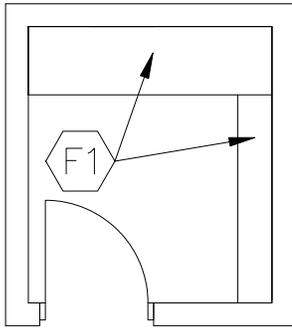
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

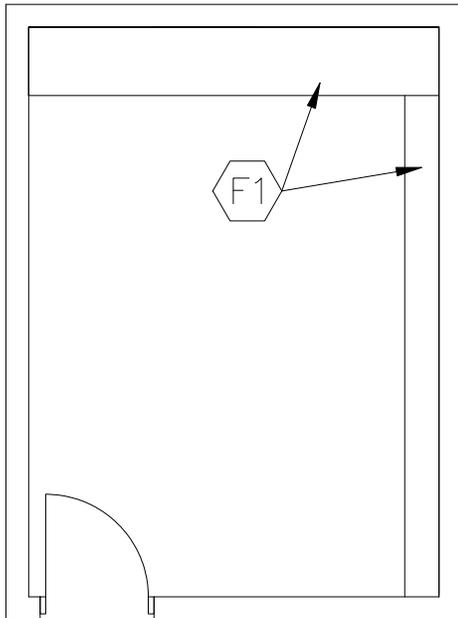
**MATERIAL STORAGE  
CT-AC-10**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

50 SF



120 SF



**PROGRAM ACTIVITIES:**

- Storage of supplies, textbooks, and equipment

**SPATIAL RELATIONSHIPS:**

- Near teacher prep workroom

**ENVIRONMENTAL CONSIDERATIONS:**

N/A

**CAPACITY:**

N/A

**SIZE:**

50 - 120 SF

**NOTES:**

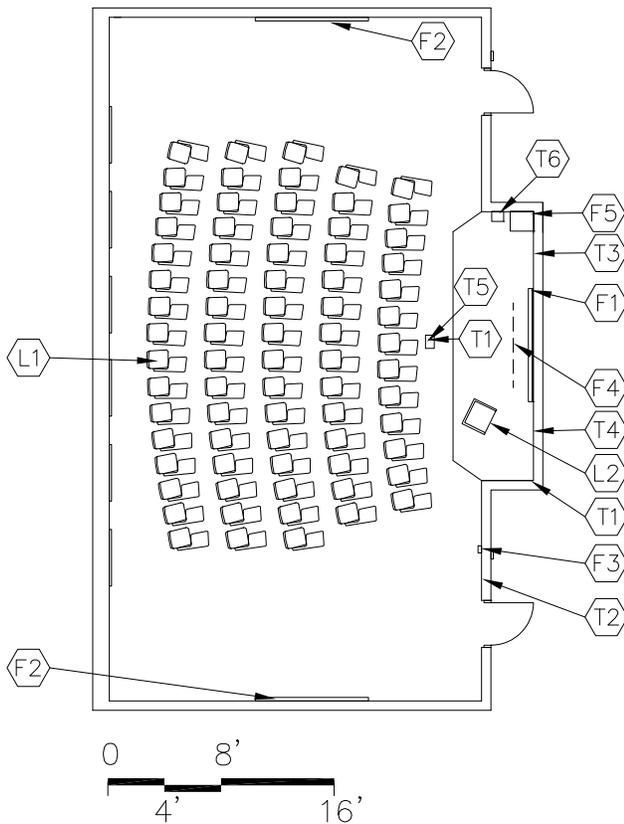
**MATERIAL STORAGE  
CT-AC-10**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b>Rubber</b>	096500	F1 30' of open shelving	
		depths may vary (fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500		
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted concrete masonry	042000/099100	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
N/A		To be determined by Design Professional	
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.



CAPACITY: 100 students  
 SIZE: 1,200 - 1,500 SF

**PROGRAM ACTIVITIES:**

- Group instruction
- Presentations
- Testing
- Community use

**SPATIAL RELATIONSHIPS:**

- Near academic core classrooms
- Near large group restrooms
- Close to stage to serve as "green" room
- Flexibility of space

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Natural light opening equal to 5% of floor area, with an operable vent
- Environmental sound control - wall minimum STC 50 ceiling minimum CAC 35, NRC **0.70**

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**MULTIPURPOSE ROOM  
CT-AC-11**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

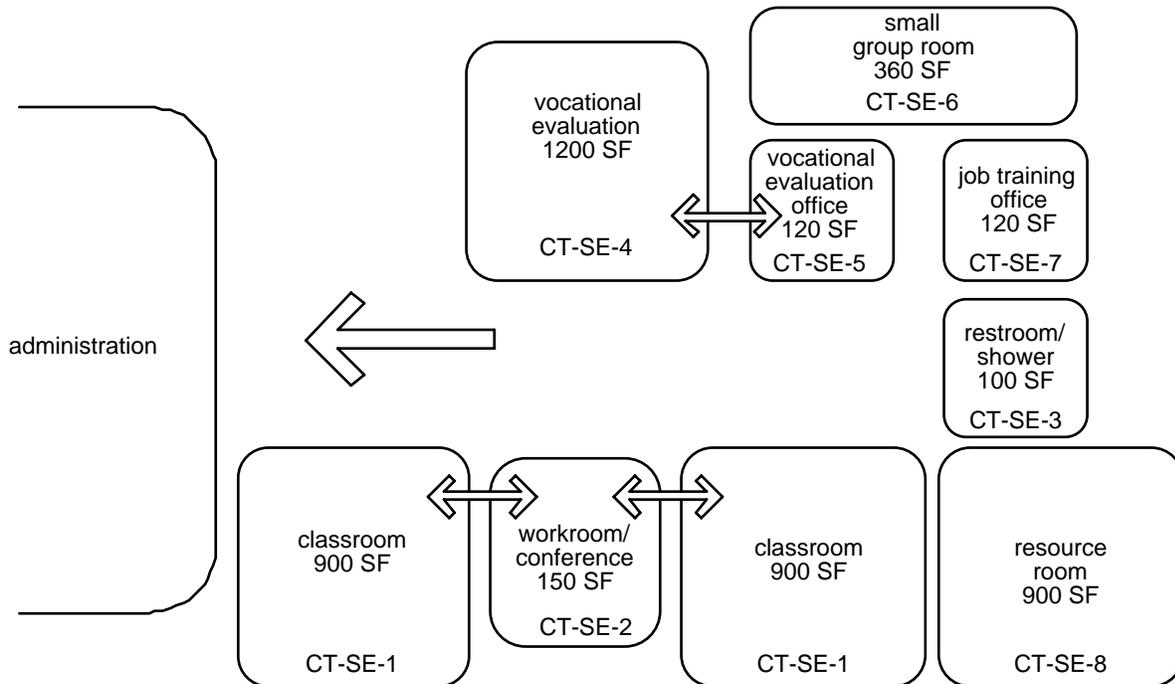
	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>FINISHES<sup>1</sup>:</u>		<u>Fixed Items:</u>	
Flooring:		F1 8'-12' of chalk/marker board	101100
Carpet, <i>carpet tile</i>	096816 <b>096813</b>	F2 8'-16' of tack board	101100
Base:		F3 Pencil sharpener support	062000
Resilient base	096500	F4 Projection screen (optional)	115213
Ceiling:		F5 Technology support casework	123550
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
Walls:		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
Acoustical wall treatment	098000	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Student desks and chairs		Supply/return air system	Div. 23
L2 Podium / console (optional)		Independent temperature control	230923
Portable risers		<u>Electrical:</u>	
Wastebasket		Fluorescent lighting:	265100
Pencil sharpener		Illumination level: See Table 8600-4	
		Multilevel switching	262726
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
		T1 2 video ports	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port (minimum)	271513
		T4 1 port to input local computer to monitor	271513
		Clock	275313
		Central sound system	275123
		T5 Overhead projector	274119
		T6 Student Dining/Cafeteria sound reinforcement system	275122
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**SPECIAL EDUCATION/STUDENT SERVICES SPACES**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

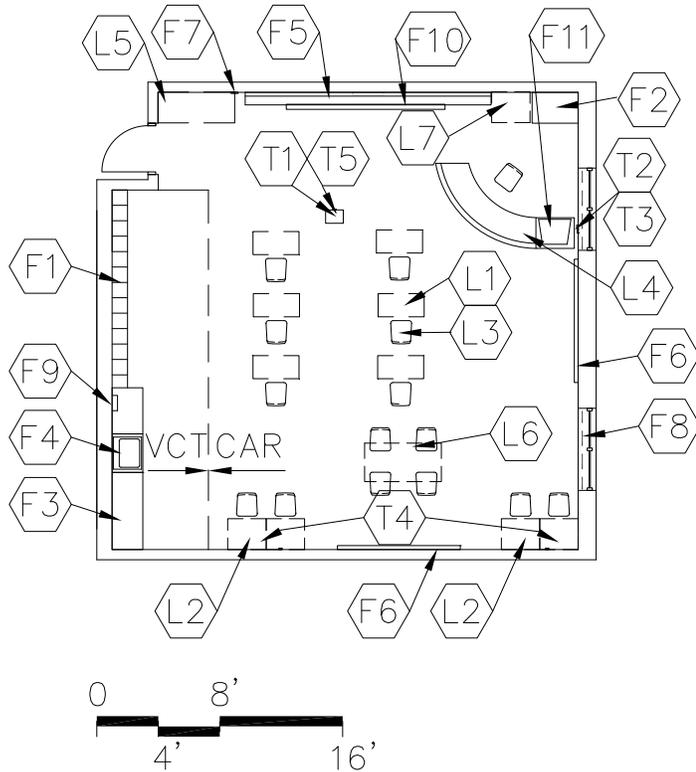
**CT-SE****NOTES:**

This is an example of how the special education/student services spaces in a career-technical school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

Following are the Special Education space plates:

- CT-SE-1 Classroom
- CT-SE-2 Workroom/Conference
- CT-SE-3 Restroom/Shower
- CT-SE-4 Career Technical Evaluation
- CT-SE-5 Career Technical Evaluation Office
- CT-SE-6 Small Group Room
- CT-SE-7 Job Training Office
- CT-SE-8 Resource Room

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**CLASSROOM  
CT-SE-1**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**


**CAPACITY:** Based on disability.  
See Chapter 1, Section 1110.

**SIZE:** 900 SF

**PROGRAM ACTIVITIES:**

- Accommodates students who have special needs and are unable to be included in regular instructional program areas a majority of the school day.
- Activities include, but are not limited to: group and individual work to improve auditory, tactile, visual, kinesthetic and academic skills.

**SPATIAL RELATIONSHIPS:**

- Near academic core classrooms
- Adjacent to special education restroom/shower

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**
- Resilient and stain-resistant floor covering
- Special consideration for wheelchair access and physical accessibility needs (ADA)

**NOTES:**

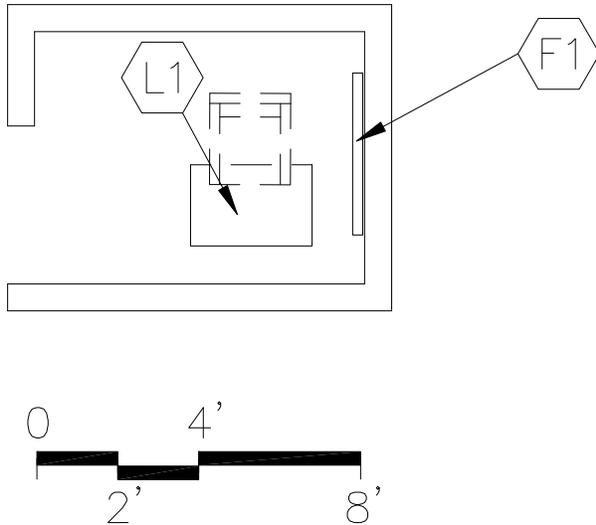
1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this classroom or could be placed in a workroom/conference area.
3. See Chapter 1, page 1110-16 for specific areas needed for each disability.

**CLASSROOM  
CT-SE-1**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Combination carpet, <b>carpet tile</b>	096816	F1 Open casework – coats and personal items	123550
with resilient options	096500	with wall cabinets above	123550
Optional: All ET, sheet vinyl,	096516	F2 3' of tall wardrobe w/file drawers	123550
linoleum, or rubber	<b>096813</b>	F3 8'-10' of base & wall cabinets	123550
		F4 3' sink base cabinet	123550
		F5 12'-16' of chalk/marker board	101100
		F6 12'-16' of tack board	101100
		or tackable wall surface or combination	
<u>Base:</u>		F7 Pencil sharpener support	062000
Resilient base	096500	F8 Windows with integral blinds	085113
		F9 Towel dispenser (optional)	102813
<u>Ceiling:</u>		F10 Projection screen (optional)	115213
Suspended, acoustical	095113	F11 Technology support casework	123550
		F12 Mirror (optional)	102813
<u>Walls:</u>		F13 Tall storage cabinet(optional)	123550
Painted concrete masonry units	042000/099100		
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
		<u>Plumbing:</u>	
		Sink with drinking fountain	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Student desks/tables		Supply/return air system	Div. 23
L2 Computer workstation furniture		Independent temperature control	230923
L3 Student chairs			
L4 Teacher workstations/computer support		<u>Electrical:</u>	
and chair		Fluorescent lighting	265100
L5 8'-10' of low bookcases (fixed or mobile)		Illumination level: See Table 8600-4	
L6 Reading table		Multilevel switching	262726
L7 File cabinet		4 duplex receptacles	262726
Wastebasket		Double duplex receptacle adjacent to	
Pencil sharpener		each data and video port	262726
		<u>Communications:</u>	
<u>EQUIPMENT(optional)</u>		T1 1 video port	271533/271543
E1 Washer and dryer		T2 1 voice port and phone	271513/273113
E2 Small refrigerator		T3 1 data port	
E3 Range		near teacher workstation	271513
E4 Oven		T4 4 data ports (minimum)	
E5 Microwave		for student use	271513
		Clock	275313
		Sound reinforcement system	275127
		Central sound system	275123
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.



CAPACITY: 1 - 2 persons  
 SIZE: 150 SF

**PROGRAM ACTIVITIES:**

- Could be used for emotionally disturbed or other students requiring a quiet individual area.
- Preparation and storage of instructional materials and equipment.

**SPATIAL RELATIONSHIPS:**

- Close proximity to academic classrooms
- Integral part of special education classroom or resource room

**ENVIRONMENTAL CONSIDERATIONS:**

- Dimmed lighting
- Environmental sound control  
 wall minimum **STC 45**  
 ceiling minimum **CAC 35, NRC 0.70**

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.
2. Walls floor to ceiling and an open area for ½ of the fourth wall.
3. See Chapter 1, page 1110-16 for specific areas needed for each disability.

**WORKROOM/CONFERENCE****CT-SE-2 (Quiet Area)**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

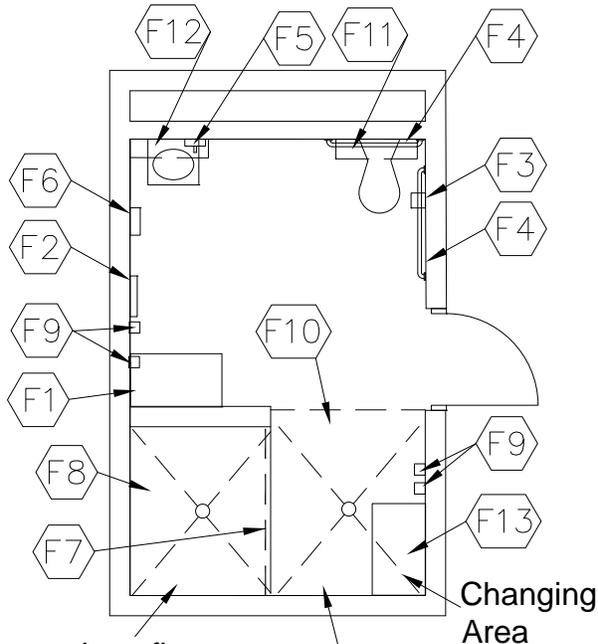
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, <b>carpet tile</b> , ET, linoleum, or sheet vinyl	096816 096500 096516 <b>096813</b>	F1 4' of tack board (optional)	101100
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>Base:</u>		<u>Plumbing:</u>	
Resilient base	096500	N/A	
<u>Ceiling:</u>		<u>HVAC:</u>	
Suspended, acoustical	095113	Supply/return air system	Div. 23
		Independent temperature control	230923
<u>Walls:</u>		<u>Electrical:</u>	
Painted concrete masonry units	042000/099100	Dimmable lighting	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
<u>LOOSE FURNISHINGS:</u>		<u>Communications:</u>	
L1 Student desk and chair		Clock (optional)	275313
Wastebasket		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window with blinds (optional)	081113/088000

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**RESTROOM/SHOWER  
CT-SE-3**

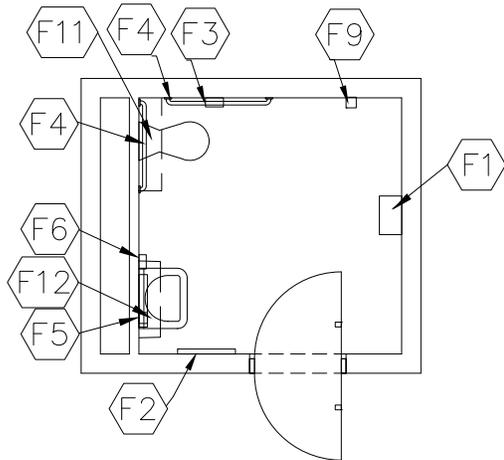
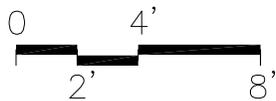
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



Shower-slope floor;  
no raised threshold;  
5' x 5' for two people

Drying Area;  
5' x 5' sloped floor

Changing Area



CAPACITY: 1 - 2 persons  
SIZE: 100 SF

**PROGRAM ACTIVITIES:**

- Changing area
- Toilet / shower needs

**SPATIAL RELATIONSHIPS:**

- Next to special education classroom

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum STC 48  
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes
- Special consideration for wheelchair access  
and physical accessibility needs (ADA)

**NOTES:**

1. See Chapter 1, page 1110-16 for specific areas needed for each disability.

**RESTROOM/SHOWER  
CT-SE-3**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

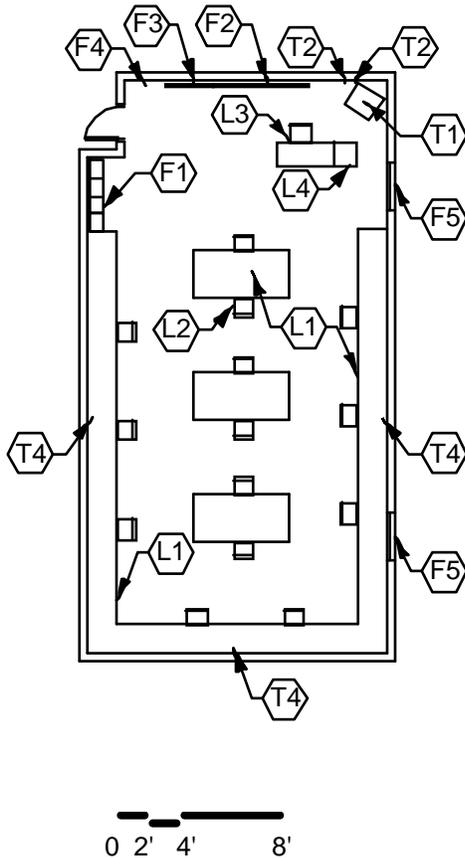
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Restroom: Linoleum, <i>ET</i> , vinyl sheet, rubber sheet flooring,	096516 096500	F1 Base cabinets	123550 102813
Shower: Ceramic mosaic tile, or porcelain tile	093000	F2 24" x 60" mirror	102813
		F3 Toilet tissue holder	102813
		F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
		F6 Towel dispenser	102813
<u>Base:</u>		F7 Shower curtain and rod	102813
Restroom: Resilient base, or integral vinyl cove base	096500 093000	F8 ADA shower accessories	102813
Shower: Ceramic mosaic tile base, porcelain tile, or integral vinyl cove base		F9 (2) hooks	102813
		F10 Cubicle curtain (optional)	102813
		F11 8" deep wall cabinet above toilet	102813
		F12 Shelf (optional)	102813
<u>Ceiling:</u>		<b>F13 <i>Changing station or fold-down adult changing station</i></b>	<b>123550</b>
Restroom: Suspended, acoustical	095113		
Shower: Painted portland cement plaster or interior finish system	092400/099100 092513	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Epoxy painted concrete masonry units	042000/099100	Wall-mounted water closet	224000
or ceramic wall tile in shower	093000	Wall-mounted lavatory	224000
and latex paint in restroom	099100	ADA shower controls and head	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. **Refer to ADAAG 4.21 for grab bar and control locations.**

## CAREER TECHNICAL EVALUATION CT-SE-4

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



**CAPACITY:** Based on disability.  
See Chapter 1, Section 1110.  
**SIZE:** 1200 SF  
**ANCILLARY SPACES:** Career Technical Office  
CT-SE-5

#### PROGRAM ACTIVITIES:

- Testing of students' vocational interests and capabilities via physical aptitude exercises.

#### SPATIAL RELATIONSHIPS:

- Adjacent to career technical evaluation office
- Near workroom/conference
- Near administrative area

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control –  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

#### NOTES:

1. Loose furnishings represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this room or could be placed in a workroom/conference area.

**CAREER TECHNICAL EVALUATION  
CT-SE-4**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

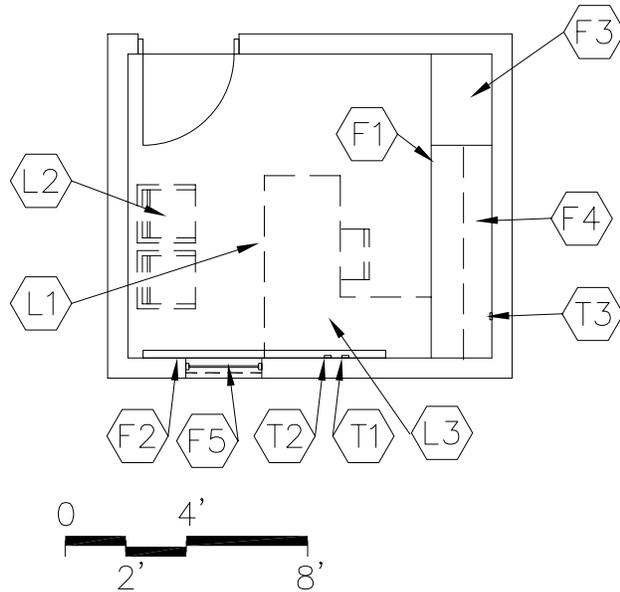
<u>FINISHES<sup>1</sup>:</u>	<u>Spec. Ref.#</u>	<u>FEATURES<sup>1</sup>:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, <b>carpet tile</b>	096816 <b>096813</b>	F1 Open casework - coats	123550
		F2 4'-8' of chalk/marker board	101000
<u>Base:</u>		F3 About 4' of tack board	101000
Resilient base	096500	F4 Pencil sharpener support	062000
		F5 Windows with integral blinds	085113
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units	042000 / 099100	N/A	
Optional: Gypsum drywall on metal studs	092116 / 099100	<u>HVAC:</u>	
		Supply/return air system	Div. 23
<u>LOOSE FURNISHINGS:</u>		Independent temperature control	230923
L1 Student desk/tables		<u>Electrical:</u>	
L2 Student chairs		Fluorescent lighting	265100
L3 Teacher desk and chair		Illumination level: See Table 8600-4	
L4 Desk height file cabinet		Multilevel switching	262726
Wastebasket		4 duplex receptacles	262726
Pencil sharpener		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port	
		near teacher workstation	271513
		T4 6 data ports (minimum)	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**CAREER TECHNICAL EVALUATION OFFICE  
CT-SE-5**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**PROGRAM ACTIVITIES:**

- Private space for vocational evaluation coordinator
- One-on-one conferences with academic instructors, students, etc.

**SPATIAL RELATIONSHIPS:**

- Near career technical evaluation room
- Near administrative area
- Direct access to school circulation areas

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

CAPACITY: 1 - 3 persons  
 SIZE: 120 SF  
 ANCILLARY SPACES: Career Technical Eval  
 CT-SE-4

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**CAREER TECHNICAL EVALUATION OFFICE  
CT-SE-5**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

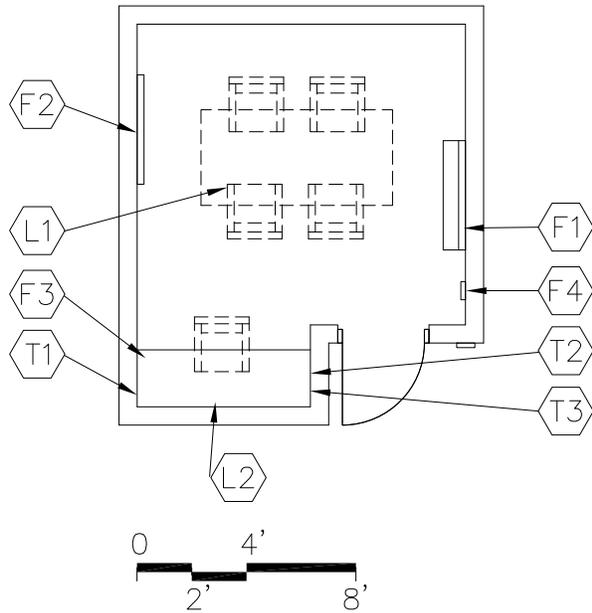
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 Work surface with file drawers	123550
Base:		F2 4' of tack board or tackable wall surface	101100
Resilient base	096500	F3 2' of tall wardrobe	123550
Ceiling:		F4 Wall cabinets above work surface	123550
Suspended, acoustical	095113	<b>F5 Window with integral blind</b>	<b>085116</b>
Walls:		<u>Fire Suppression:</u>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Desk and chair		N/A	
L2 Visitor chairs		<u>HVAC:</u>	
L3 Computer desk return		Supply/return air system	Div. 23
Wastebasket		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**SMALL GROUP ROOM  
CT-SE-6**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



**PROGRAM ACTIVITIES:**

- Student small group work
- Independent student work
- Small group meetings

**SPATIAL RELATIONSHIPS:**

- Near special education classrooms

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**

**CAPACITY:** 4 - 5 students  
**SIZE:** 360 SF

**NOTES:**

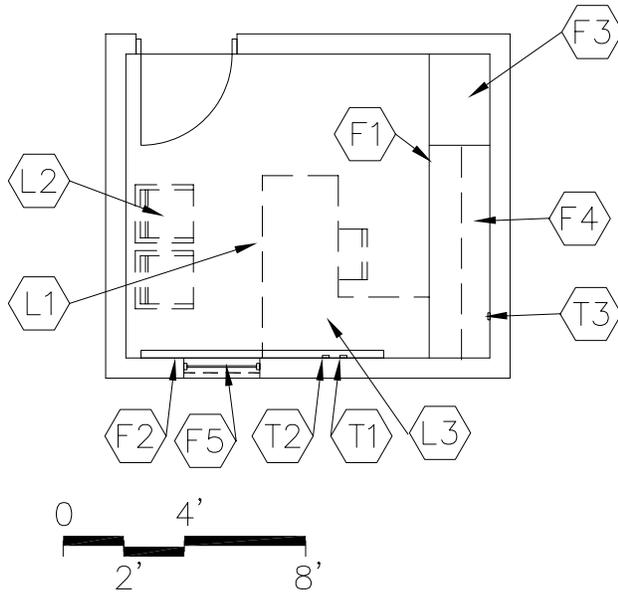
1. Loose furnishings shown represent one of many possible arrangements.

**SMALL GROUP ROOM  
CT-SE-6**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. <u>Ref.#</u>	<u>FEATURES<sup>1</sup>:</u>	Spec. <u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, <b>carpet tile</b>	096816	F1 4'-6' of chalk/marker board	101100
Optional: ET, sheet vinyl, linoleum, or rubber	096500 096516 <b>096813</b>	F2 4' of tack board	101100
		F3 4'-6' of work surface (optional)	123550
		F4 Pencil sharpener support	062000
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Work tables and chairs		Fluorescent lighting:	265100
L2 Computer workstation furniture		Illumination level: See Table 8600-4	
Wastebasket		4 duplex receptacles	262726
Pencil sharpener		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port	271513/273113
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window(optional)	081113/088000

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.


**PROGRAM ACTIVITIES:**

- Private space for job training coordinator
- One-on-one conferences with academic instructors, students, etc.

**SPATIAL RELATIONSHIPS:**

- Near career technical evaluation room
- Near administrative area
- Direct access to school circulation areas

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

**CAPACITY:** 1 - 3 persons  
**SIZE:** 120 SF  
**ANCILLARY SPACES:**

**NOTES:**

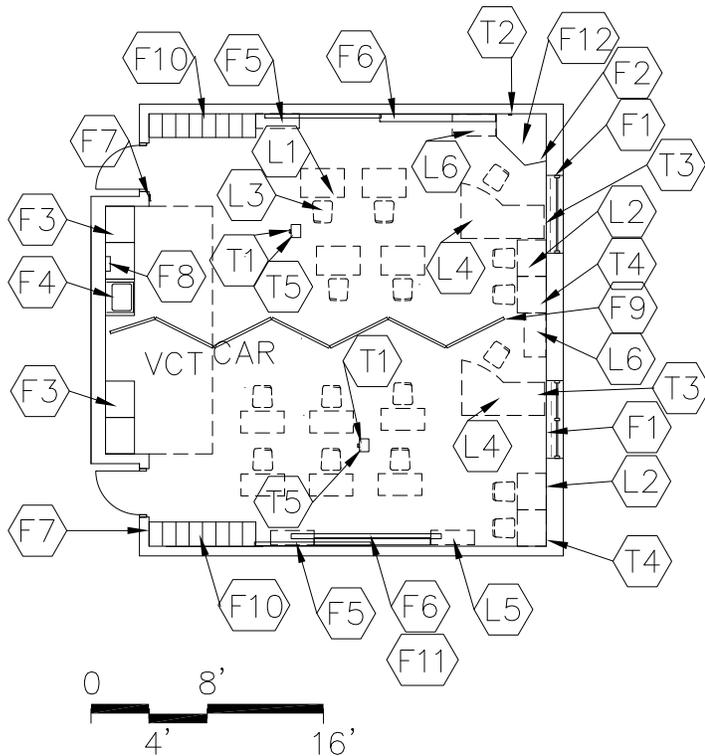
1. Loose furnishings shown represent one of many possible arrangements.

**JOB TRAINING OFFICE  
CT-SE-7**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 Work surface with file drawers	123550
		F2 4' of tack board	101100
		or tackable wall surface	
Base:		F3 2' of tall wardrobe	123550
Resilient base	096500	F4 Wall cabinets above work surface	123550
		<b>F5 Window with integral blind</b>	<b>085116</b>
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	<b>092116/099100</b>		
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Desk and chair		Supply/return air system	Div. 23
L2 Visitor chairs		Independent temperature control	230923
L3 Computer desk return		(coupled with similarly loaded	
Wastebasket		adjacent spaces)	
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent	
		to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**RESOURCE ROOM  
CT-SE-8**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**


**CAPACITY:** Based on disability.  
See Chapter 1, Section 1110.

**SIZE:** 900 SF

**PROGRAM ACTIVITIES:**

- Accommodates students who have special needs with cognitive disability, hearing impairment, visual impairment, emotional disturbance, orthopedic impairment, autism, brain injury, learning-deaf-blindness disabilities.
- Variety of special services such as one-on-one instruction and small group instruction.
- Activities include, but are not limited to: group discussions, demonstrations, music activities, life skills, coping skills, speech, and visual and hearing support services.

**SPATIAL RELATIONSHIPS:**

- Near academic core classrooms
- The space will be used to accommodate the specific IEP requirements of each student

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control –  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this room or could be placed in a workroom/conference area.
3. See Chapter 1, page 1110-16 for specific areas needed for each disability.

**RESOURCE ROOM  
CT-SE-8**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

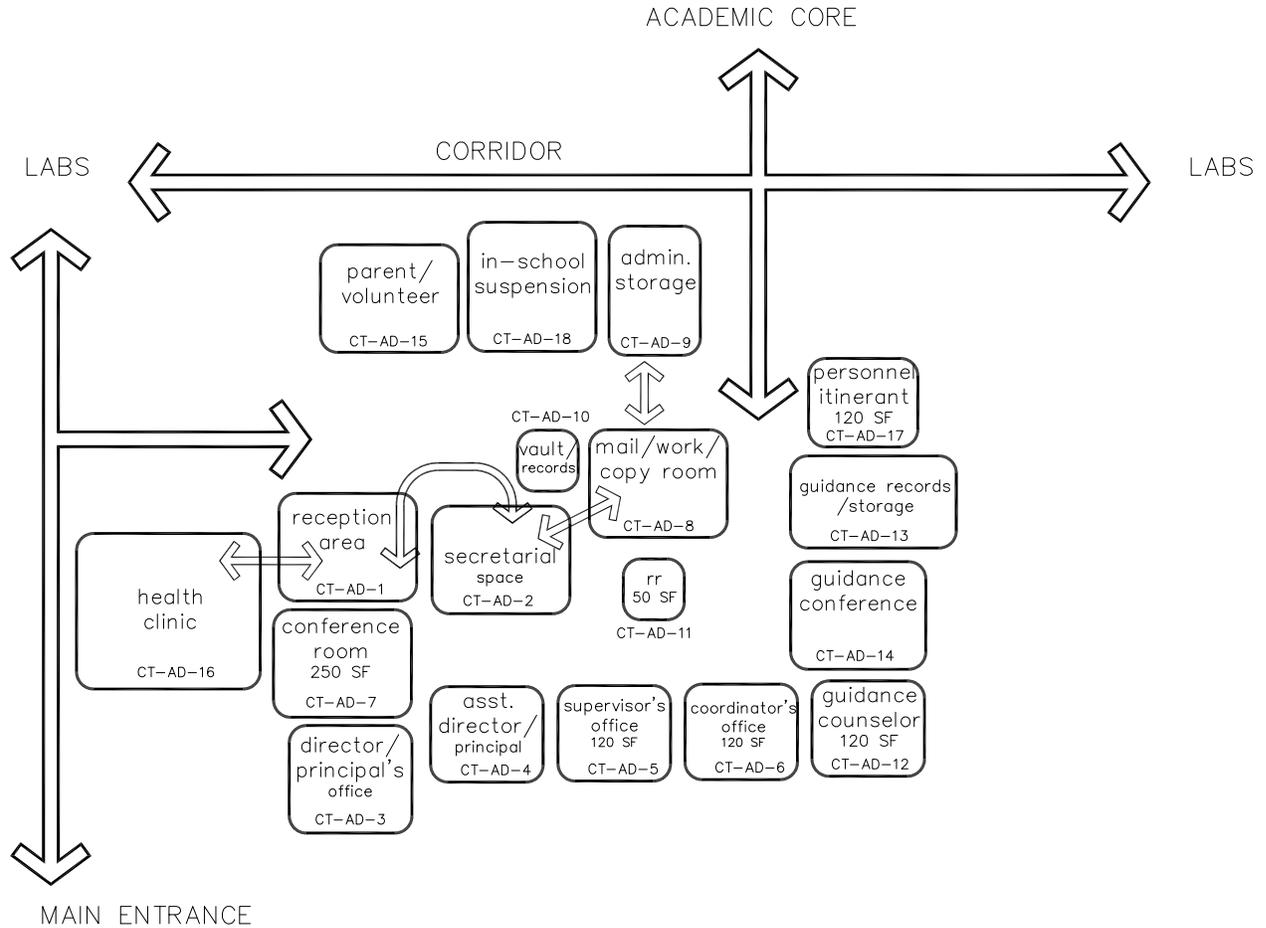
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<b>Flooring:</b>		<b>Fixed Items:</b>	
Combination carpet, <b>carpet tile</b>	096816	F1 Windows with integral blinds	085113
with resilient options	096500	F2 3' of tall wardrobe with file drawers	123550
Option: All ET, sheet vinyl,	096516	F3 8'-12' of base cabinets	123550
linoleum, or rubber		F4 3' sink base cabinet	123550
		F5 10'-16' of chalk/marker board	101100
		F6 10'-16' of tack board	101100
		or tackable wall surface or combination	
<b>Base:</b>		F7 Pencil sharpener support	062000
Resilient base	096500	F8 Towel dispenser (optional)	102813
		F9 Operable partition (optional)	102226
<b>Ceiling:</b>		F10 Open casework coats and personal	
Suspended, acoustical	095113	storage w/wall cabinets above	123550
		F11 Projection screen (optional)	115213
<b>Walls:</b>		F12 Technology support casework	123550
Painted concrete masonry units	042000/099100	F13 Mirror (optional)	102813
		F14 Mobile storage cabinet (optional)	123550
<b>LOOSE FURNISHINGS:</b>		<b>Fire Suppression:</b>	
L1 Student desks/tables		Fire suppression system	211000
L2 Computer workstation furniture		<b>Plumbing:</b>	
L3 Student chairs		Sink	224000
L4 Teacher desk /computer support and chair		Plumbing connections	224000/221116/221119
L5 Mobile bookcases or storage unit		<b>HVAC:</b>	
L6 File cabinet		Supply/return air system	Div. 23
Wastebasket		Independent temperature control	230923
Pencil sharpener		<b>Electrical:</b>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each data and video port	262726
		<b>Communications:</b>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port	
		near each teacher workstation	271513
		T4 4 data ports (min.) for student use	271513
		Clock	275313
		Sound reinforcement system	275127
		Central sound system	275123
		T5 Overhead projector	274119
		<b>Electronic Safety and Security:</b>	
		Life safety devices per code	283111

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**ADMINISTRATIVE SPACES  
CT-AD**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**NOTE:**

This is an example of how the administrative spaces in a career-technical school could be arranged. This is only meant to demonstrate the relationships between various areas of the building.

Following are the Administrative space plates for the following rooms:

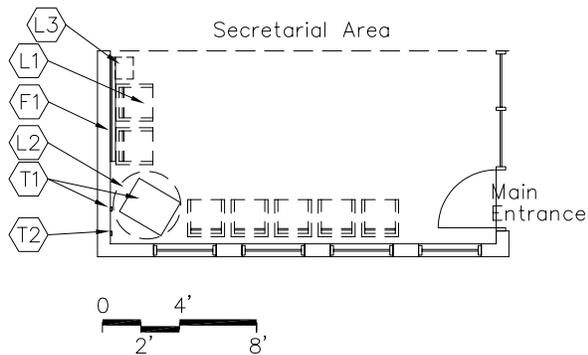
- |         |                                       |          |  |
|---------|---------------------------------------|----------|--|
| CT-AD-1 | Reception Area                        | CT-AD-10 | Vault/Records                              |
| CT-AD-2 | Secretarial Space                     | CT-AD-11 | Restroom                                   |
| CT-AD-3 | Director/Principal's Office           | CT-AD-12 | Guidance Counselor                         |
| CT-AD-4 | Assistant Director/Principal's Office | CT-AD-13 | Guidance Records/Storage                   |
| CT-AD-5 | Supervisor's Office                   | CT-AD-14 | Guidance Conference                        |
| CT-AD-6 | Coordinator's Office                  | CT-AD-15 | Parent/Volunteer                           |
| CT-AD-7 | Conference Room                       | CT-AD-16 | Health Clinic ( <i>includes restroom</i> ) |
| CT-AD-8 | Mail/Work/Copy room                   | CT-AD-17 | Itinerant Personnel                        |
| CT-AD-9 | Administrative Storage                | CT-AD-18 | In-school Suspension                       |

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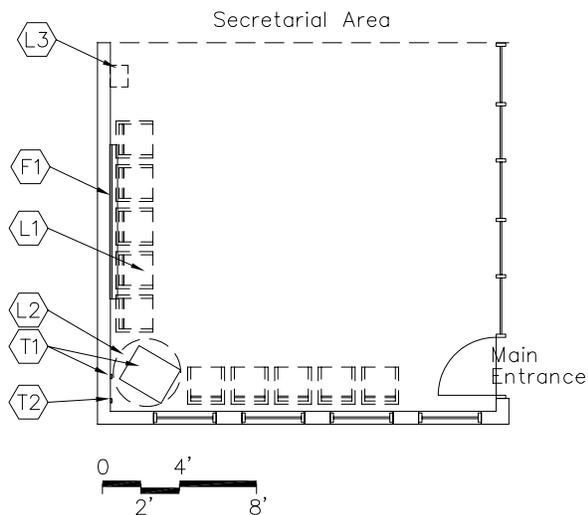
## RECEPTION AREA CT-AD-1

### CHAPTER 6: CAREER-TECHNICAL SCHOOL

200 SF



500 SF



CAPACITY: 6 - 8 or 8 - 10 visitors  
 SIZE: 200 – 500 SF  
 ANCILLARY SPACES: Secretarial Area  
 CT-AD-2

#### PROGRAM ACTIVITIES:

- Serves as the main entry to the building
- Visitors may wait or are directed to other areas of the building.

#### SPATIAL RELATIONSHIPS:

- Access to all areas of the building
- Open to secretarial area
- Near principal's office
- Near main entrance to the building
- Visual access to main entrance of the building

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -  
   wall minimum STC 40  
   ceiling minimum CAC 35, NRC **0.70**
- Audio and visual control from secretarial area

#### NOTES:

1. Loose furnishings shown represent one of many possible arrangements.

**RECEPTION AREA  
CT-AD-1**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

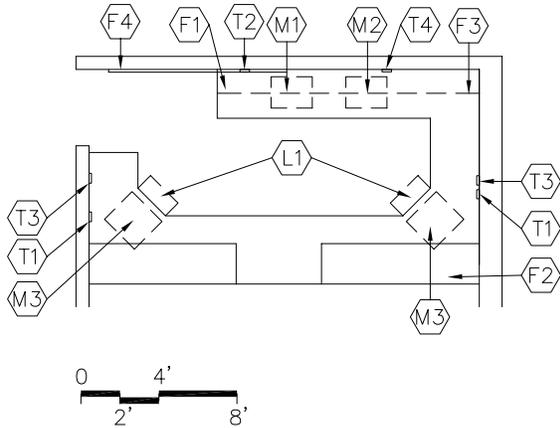
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 Tack board or tackable wall surface (optional)	101100
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	Supply/return air system	Div. 23
<u>LOOSE FURNISHINGS:</u>		Independent temperature control	230923
L1 Visitor chairs		<u>Electrical:</u>	
L2 End table		Single level switching	262726
L3 Racks for forms (optional)		Fluorescent lighting	265100
Wastebasket		Illumination level: See Table 8600-4	
		2 duplex receptacles	262726
		Double duplex receptacle adjacent to video port	262726
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port, monitor, and brackets	271533/271543/274119
		T2 1 voice port and phone	271513/273113
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior windows	081113/088000

**NOTES:**

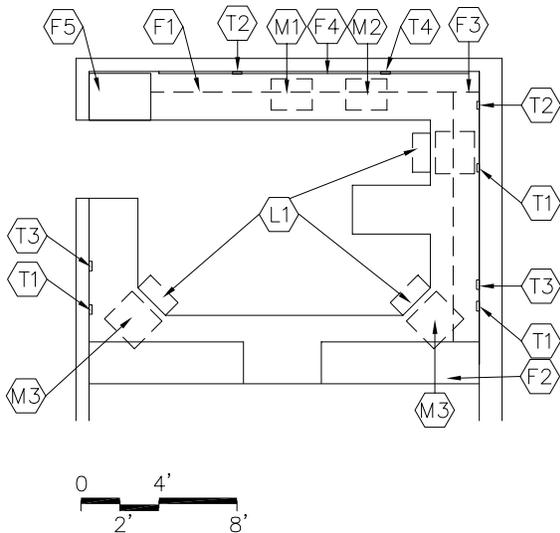
1. Finishes/Features: Refer to Chapter 9 for specification references.

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

**200 SF ADA Compliant Approach**



**500 SF ADA Compliant Approach**



**CAPACITY:** 1 - 2 or 2 - 3 staff  
**SIZE:** 200 – 500 SF  
**ANCILLARY SPACES:** Reception Area  
 CT-AD-1

**PROGRAM ACTIVITIES:**

- Conduct administrative support duties, and receive and direct visitors

**SPATIAL RELATIONSHIPS:**

- Easy access to all areas of the building
- Open to reception area
- Near principal's office
- Near main entrance to the building
- Visual access to main entrance of the building

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
 wall minimum STC 40  
 ceiling minimum CAC 35, NRC **0.70**
- Audio and visual control of reception area

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**SECRETARIAL AREA  
CT-AD-2**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

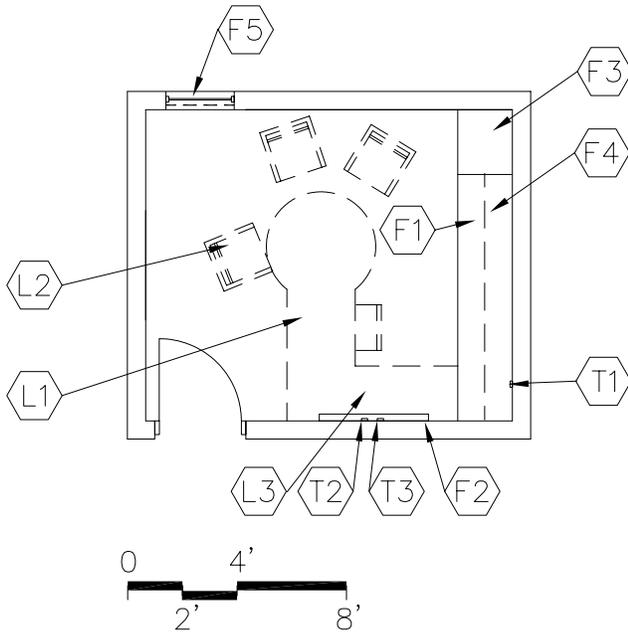
<u>FINISHES</u> <sup>1</sup> :	Spec. Ref.#	<u>FEATURES</u> <sup>1</sup> :	Spec. Ref.#
Flooring:		<u>Fixed Items</u> <sup>2</sup> :	
Carpet <i>or</i> Carpet Tile	096816 <b>096813</b>	F1 24' - 60' of work surface with file drawers	123550
Base:		F2 42" high counter top	123550
Resilient base	096500	with portion of counter 34" high or lower	
Ceiling:		F3 16'-24' of wall cabinets for forms, supplies, books, and manuals	123550
Suspended, acoustical	095113	F4 Tackable wall surface (optional)	101100
Walls:		F5 Tall cabinet for coats (optional)	123550
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	<u>Fire Suppression:</u>	
<u>LOOSE FURNISHINGS:</u>		Fire suppression system	211000
L1 Secretarial chairs		<u>Plumbing:</u>	
Wastebasket		N/A	
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Temperature control with reception area	230923
		(coupled with similarly loaded adjacent spaces)	
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data port	262726
		Emergency lighting	265100
		<u>Communications:</u>	
		T1 1 voice port and phone at each secretarial workstation	271513/273113
		T2 1 fax port	271513/273113
		T3 1 data port at each secretarial workstation	271513
		T4 1 data port for printer	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
The following items are to be funded by the school district:			
M1 Fax machine			
M2 Printer			
M3 Computer/typewriter			

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown illustrate quantities for the smallest and largest possible room size.

**DIRECTOR / PRINCIPAL'S OFFICE  
CT-AD-3**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**PROGRAM ACTIVITIES:**

- Instructional and administrative leader of the building
- One-on-one conferences with parents, small group meetings, and coordination of administrative tasks

**SPATIAL RELATIONSHIPS:**

- Near reception area
- Near secretarial area
- Easy access to school circulation areas
- Near main entrance to the building
- Near conference room

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

**CAPACITY:** 1 - 4 persons  
**SIZE:** 150 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**DIRECTOR / PRINCIPAL'S OFFICE  
CT-AD-3**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

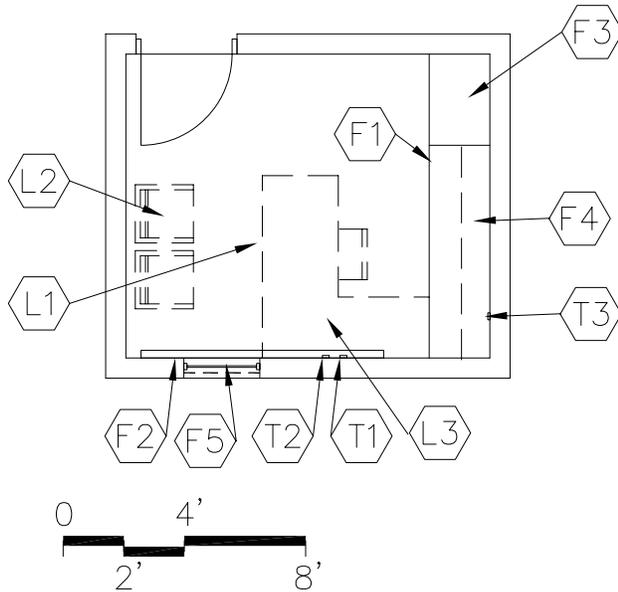
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 Work surface with file drawers	123550
		F2 4' of tack board	101100
		or tackable wall surface	
<u>Base:</u>		F3 2' of tall wardrobe (optional)	123550
Resilient base	096500	F4 Wall cabinets above work surface	123550
<u>Ceiling:</u>		<b>F5 Window with integral blind</b>	<b>085116</b>
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted gypsum wallboard over metal studs	<b>092116 / 099100</b>	<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		N/A	
L1 Desk and chair		<u>HVAC:</u>	
L2 Visitor chairs		Supply/return air system	Div. 23
L3 Computer desk return		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
Wastebasket		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port near workstation	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**ASSISTANT DIRECTOR / PRINCIPAL'S OFFICE**  
**CT-AD-4**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**PROGRAM ACTIVITIES:**

- Assist director/principal in administrative tasks
- One-on-one conferences with academic instructors

**SPATIAL RELATIONSHIPS:**

- Near reception area
- Near secretarial area
- Easy access to school circulation areas
- Near main entrance to the building
- Near conference room

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
 wall minimum STC **45**  
 ceiling minimum CAC 35, NRC **0.70**

CAPACITY: 1 - 3 persons  
 SIZE: 120 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**ASSISTANT DIRECTOR / PRINCIPAL'S OFFICE  
CT-AD-4**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

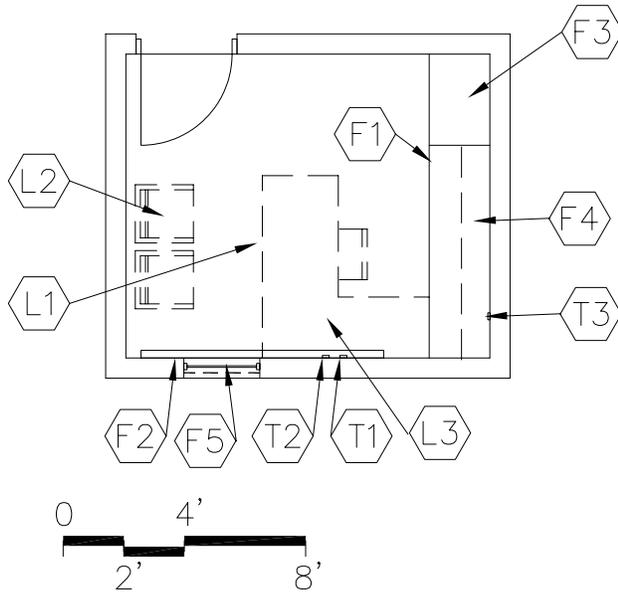
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 Work surface with file drawers	123550
Base:		F2 4' of tack board or tackable wall surface	101100
Resilient base	096500	F3 2' of tall wardrobe	123550
Ceiling:		F4 Wall cabinets above work surface	123550
Suspended, acoustical	095113	<b>F5 Window with integral blind</b>	<b>085116</b>
Walls:		<u>Fire Suppression:</u>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Desk and chair		N/A	
L2 Visitor chairs		<u>HVAC:</u>	
L3 Computer desk return		Supply/return air system	Div. 23
Wastebasket		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**SUPERVISOR'S OFFICE  
CT-AD-5**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



**PROGRAM ACTIVITIES:**

- Private space for program supervisor
- One-on-one conferences with academic instructors

**SPATIAL RELATIONSHIPS:**

- Near reception area
- Near secretarial area
- Easy access to school circulation areas
- Near main entrance to the building
- Near conference room

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum STC **45**  
ceiling minimum CAC 35, NRC **0.70**

CAPACITY: 1 - 3 persons  
SIZE: 120 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

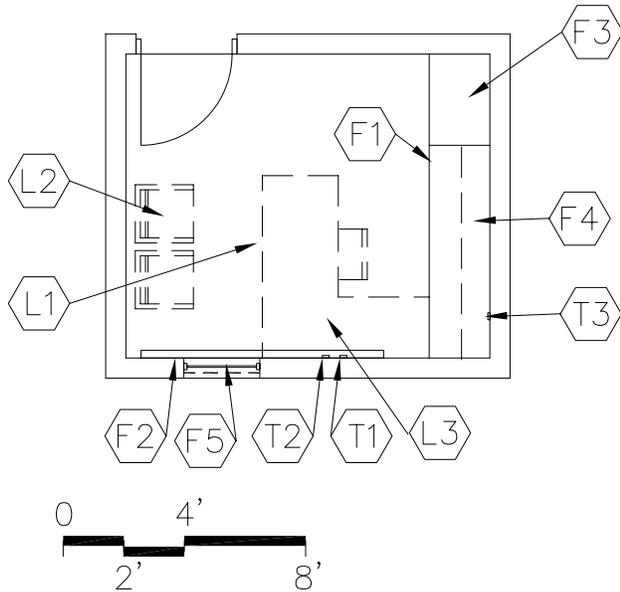
**SUPERVISOR'S OFFICE  
CT-AD-5**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 Work surface with file drawers	123550
		F2 4' of tack board	101100
		or tackable wall surface	
Base:		F3 2' of tall wardrobe	123550
Resilient base	096500	F4 Wall cabinets above work surface	123550
		<b>F5 Window with integral blind</b>	<b>085116</b>
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	<b>092116/099100</b>		
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Desk and chair		Supply/return air system	Div. 23
L2 Visitor chairs		Independent temperature control	230923
L3 Computer desk return		(coupled with similarly loaded	
Wastebasket		adjacent spaces)	
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent	
		to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.



**PROGRAM ACTIVITIES:**

- Private space for coordinator
- One-on-one conferences with academic instructors

**SPATIAL RELATIONSHIPS:**

- Near reception area
- Near secretarial area
- Easy access to school circulation areas
- Near main entrance to the building
- Near conference room

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

CAPACITY: 1 - 3 persons  
SIZE: 120 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**COORDINATOR'S OFFICE  
CT-AD-6**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

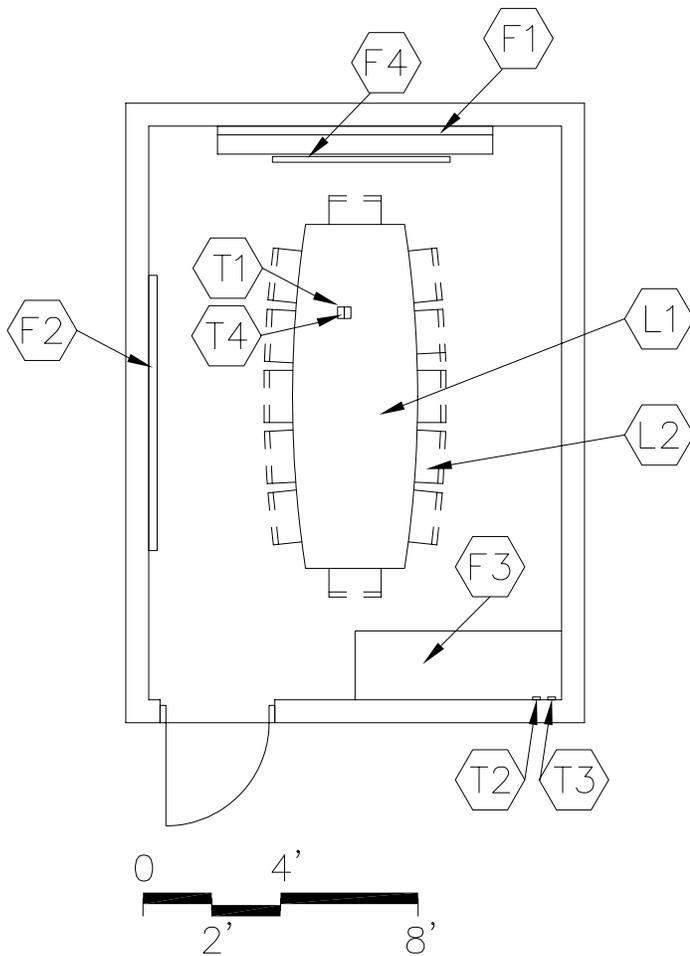
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 Work surface with file drawers	123550
Base:		F2 4' of tack board or tackable wall surface	101100
Resilient base	096500	F3 2' of tall wardrobe	123550
Ceiling:		F4 Wall cabinets above work surface	123550
Suspended, acoustical	095113	<b>F5 Window with integral blind</b>	<b>085116</b>
Walls:		<u>Fire Suppression:</u>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Desk and chair		N/A	
L2 Visitor chairs		<u>HVAC:</u>	
L3 Computer desk return		Supply/return air system	Div. 23
Wastebasket		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**CONFERENCE ROOM  
CT-AD-7**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**PROGRAM ACTIVITIES:**

- Conferences with staff, students, parents, and other community groups

**SPATIAL RELATIONSHIPS:**

- Near principal's office
- Near assistant director/principal's office
- Near reception area
- Near secretarial area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

**CAPACITY:** 12 – 15 persons  
**SIZE:** 250 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**CONFERENCE ROOM  
CT-AD-7**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or</i> Carpet Tile	096816 <b>096813</b>	F1 About 8' of chalk/marker board	101100
		F2 About 8' of tack board or tackable wall surface	101100
Base:		F3 4'-6' of base cabinets (optional)	123550
Resilient base	096500	F4 Projection screen (optional)	115213
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Conference table		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
Wastebasket		<u>Electrical:</u>	
		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	
		271533/271543/274119	
		T2 1 voice port and phone	271533/273113
		T3 1 data port	271513
		T4 Overhead projector	274119
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

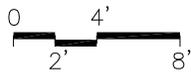
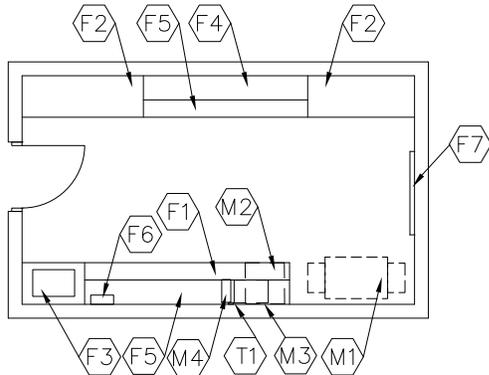
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

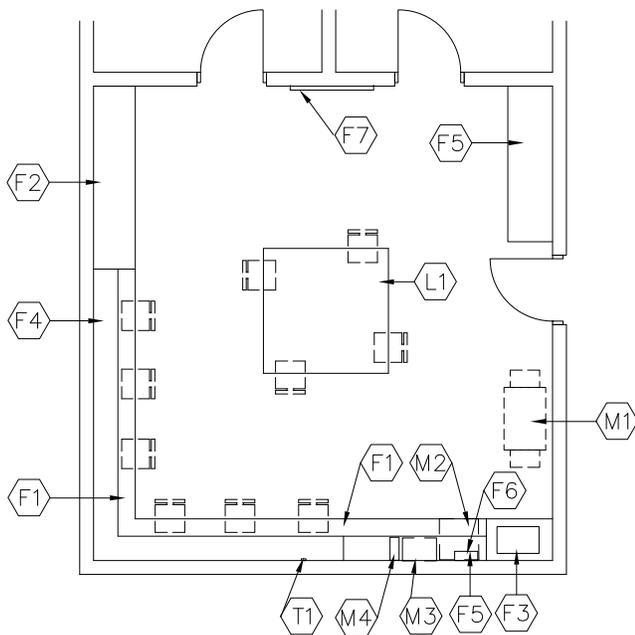
**MAIL/WORK/COPY ROOM  
CT-AD-8**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

200 SF



500 SF



CAPACITY:  
SIZE:

N/A  
200 - 500 SF

**PROGRAM ACTIVITIES:**

- Distribution area for preparation/copying of mail and materials.
- Staff receives messages and obtains supplies.

**SPATIAL RELATIONSHIPS:**

- Near secretarial area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum STC 40  
ceiling minimum CAC 35, NRC **0.70**

**NOTES:**

1. The mail cubicles can be either on the wall or through the wall.

**MAIL/WORK/COPY ROOM  
CT-AD-8**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b>Rubber</b>	096500	F1 About 10' of base & wall cabinets	123550
Base:		F2 8'-12' of tall storage cabinets	123550
Resilient base	096500	or about 32' maximum of a combination storage cabinets	
Ceiling:		F3 3' sink base cabinet	123550
Suspended, acoustical	095113	F4 Mail cubicles for all staff	123200
Walls:		F5 10'-12' of wall cabinets	123550
Painted gypsum wallboard over metal studs	092116/099100	F6 Towel dispenser (optional)	102813
		F7 4' tack board (optional)	101100
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Work table and chairs		Fire suppression system	211000
(applicable in 300 SF space only)		<u>Plumbing:</u>	
Wastebasket		Sink	224000
		Plumbing connections	224000/221116/221119
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 - 5 duplex receptacles	262726
		Receptacle for copier	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		The following items are to be funded by the school district:	
		M1 Copier	
		M2 Undercounter refrigerator	
		M3 Microwave	
		M4 Coffee maker	

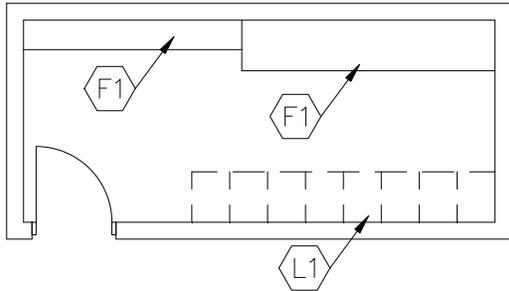
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**ADMINISTRATIVE STORAGE  
CT-AD-9**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

150 SF



CAPACITY: N/A  
 SIZE: 150 - 200 SF

**PROGRAM ACTIVITIES:**

- Supplies, books, records, forms, and equipment storage

**SPATIAL RELATIONSHIPS:**

- Near mail/work/copy room
- Near vault/records storage

**ENVIRONMENTAL CONSIDERATIONS:**

N/A

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**ADMINISTRATIVE STORAGE  
CT-AD-9**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

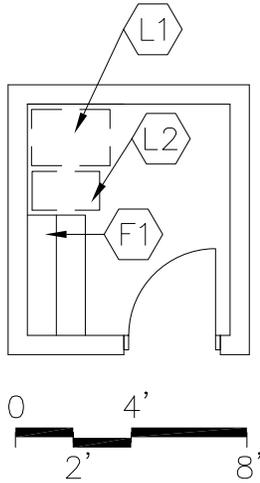
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b>Rubber</b>	096500	F1 10'-20' of open shelving	
		depth may vary (fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500		
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	092116/099100		
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 File cabinets		To be determined by Design Professional	
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

50 SF



**PROGRAM ACTIVITIES:**

- Storage of records and security files in a secure area

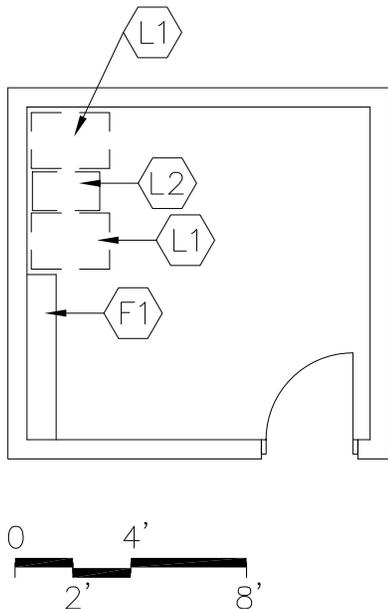
**SPATIAL RELATIONSHIPS:**

- Access to guidance area
- Access to secretarial personnel

**ENVIRONMENTAL CONSIDERATIONS:**

N/A

100 SF



**CAPACITY:  
SIZE:**

N/A  
50 - 100 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

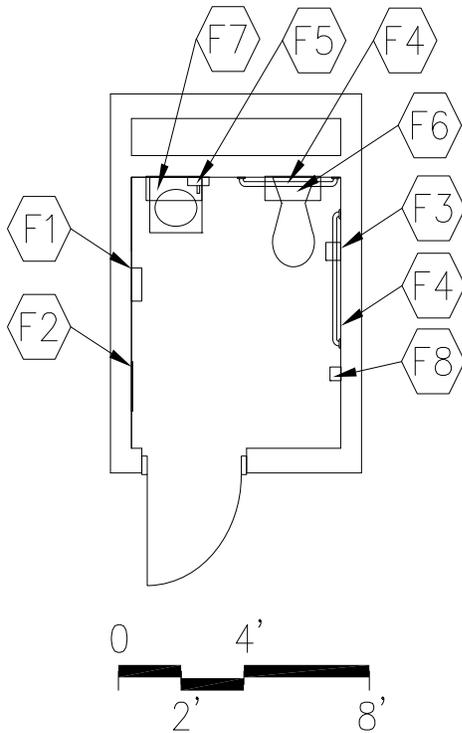
**VAULT/RECORDS  
CT-AD-10**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b>Rubber</b>	096500	F1 3'-6' of open shelving, (depth may vary)(fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500	<u>Fire Suppression:</u>	
Ceiling:		Fire suppression system	211000
Rated 2-hour construction	---	<u>Plumbing:</u>	
Walls:		N/A	
Painted concrete masonry units or	042000/099100	<u>HVAC:</u>	
painted gypsum wallboard	092116/099100	To be determined by Design Professional	
Rated 2-hour construction		<u>Electrical:</u>	
<u>LOOSE FURNISHINGS:</u>		Single level switching	262726
L1 File cabinet		Fluorescent lighting	265100
L2 Safe (loose or fixed)		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		Wall, ceiling, and door construction to have a 2-hour fire rating	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**PROGRAM ACTIVITIES:**

- Personal and health needs for teachers and staff
- Restroom facilities for clinic

**SPATIAL RELATIONSHIPS:**

- Located in the administrative area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 48**  
ceiling minimum **CAC 35, NRC 0.70**
- Moisture- and stain-resistant finishes

**CAPACITY:**  
**SIZE:**

1 person  
50 SF

**NOTES:**

**RESTROOM  
CT-AD-11**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

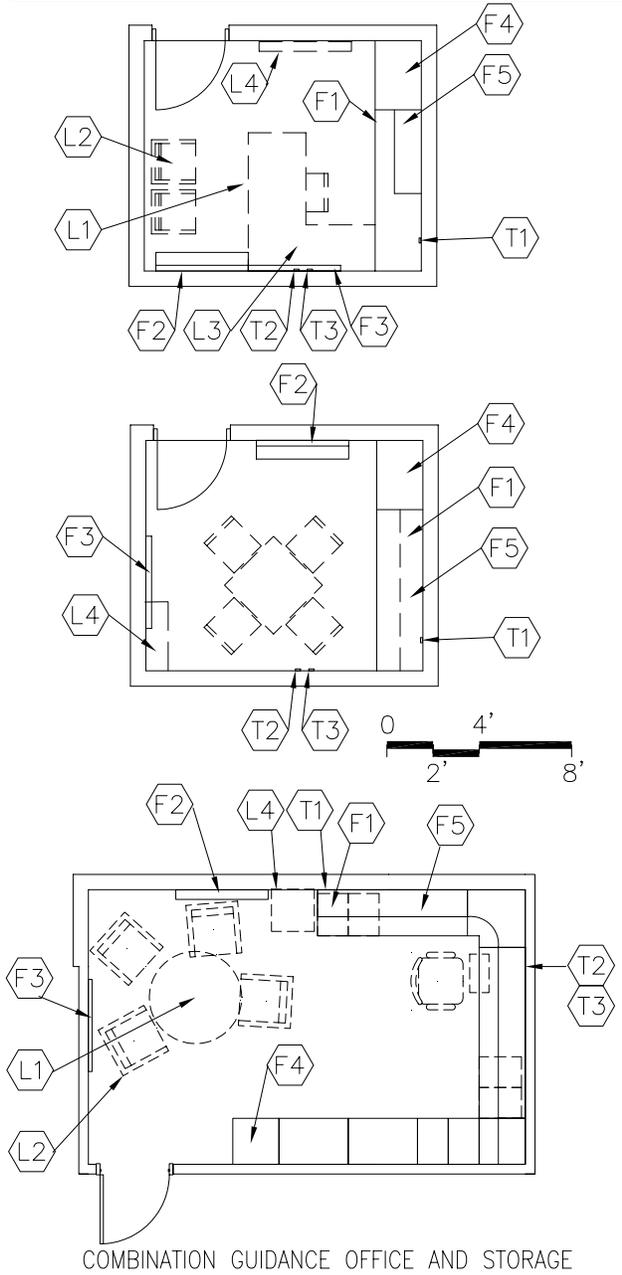
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
ET, linoleum, rubber, or sheet vinyl	096516	F1 Towel dispenser	102813
	096500	F2 24" x 60" mirror	102813
Optional: ceramic mosaic tile,	093000	F3 Toilet tissue holder	102813
porcelain tile, or	096723	F4 36" and 42" grab bar	102813
resinous flooring		F5 Soap dispenser	102813
		F6 8" deep wall cabinet above toilet for supplies (optional)	102813
<u>Base:</u>		F7 Stainless steel shelf (optional)	102813
Resilient base	096500	F8 Coat hook	102813
Optional: ceramic mosaic tile,	093000		
porcelain tile, resinous flooring,	096723	<u>Fire Suppression:</u>	
or integral vinyl cove base		Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	Wall-mounted water closet	224000
<u>Walls:</u>		Wall-mounted lavatory	224000
Painted concrete masonry units		Plumbing connections	224000/221116/221119
	042000/099100		
Optional: moisture & abuse-resistant		<u>HVAC:</u>	
gypsum wall board	092116/099100	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**GUIDANCE COUNSELOR  
CT-AD-12**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**CAPACITY:** 1 - 3 persons  
**SIZE:** 120 SF

**PROGRAM ACTIVITIES:**

- Guidance counselor to do individual work and provide assistance to students
- One-on-one conferences with parents and coordination of administrative tasks
- Could be combined with guidance records/storage

**SPATIAL RELATIONSHIPS:**

- Near guidance/records storage
- Near reception area
- Near secretarial area
- Access to school circulation areas

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control - wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**
- **Optional – window with integral blinds**

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**GUIDANCE COUNSELOR  
CT-AD-12**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>			
Carpet <i>or</i> Carpet Tile	096816 <b>096813</b>	<u>Fixed Items:</u>	
		F1 Work surface with file drawers	123550
		F2 4' of chalk/marker board (optional)	101100
		F3 4' of tack board	101100
		or tackable wall surface	
<u>Base:</u>		F4 Tall wardrobe	123550
Resilient base	096500	F5 Wall cabinets	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	N/A	
<u>LOOSE FURNISHINGS:</u>			
L1 Desk or table, with chair		<u>HVAC:</u>	
L2 Visitor chairs		Supply/return air system	Div. 23
L3 Computer desk return		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
L4 Bookcase (fixed or loose) Wastebasket		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port near workstation	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

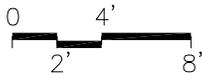
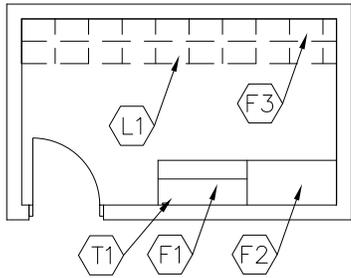
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

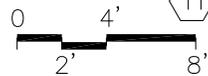
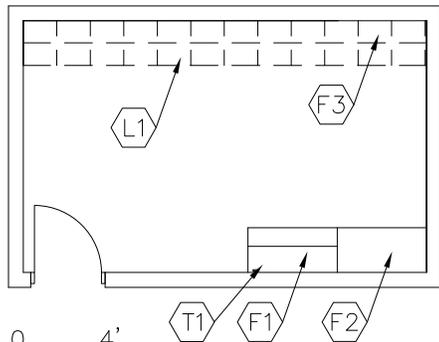
**GUIDANCE RECORDS/STORAGE  
CT-AD-13**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

100 SF



150 SF



**PROGRAM ACTIVITIES:**

- Storage of supplies, files, and equipment in a secure area

**SPATIAL RELATIONSHIPS:**

- Near guidance counselor's office
- Could be combined with guidance counselor's office

**ENVIRONMENTAL CONSIDERATIONS:**

N/A

CAPACITY: N/A  
 SIZE: 100 - 150 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

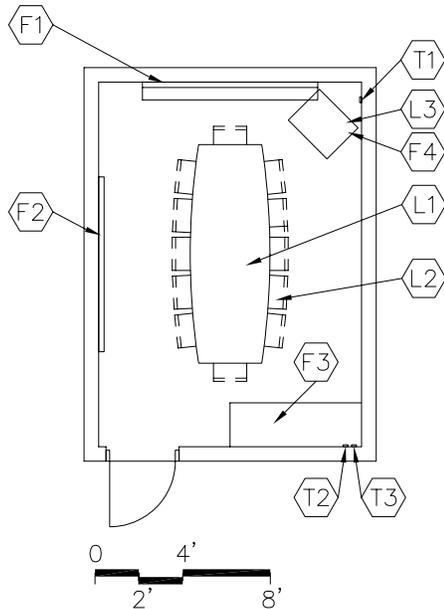
**GUIDANCE RECORDS/STORAGE  
CT-AD-13**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b>Rubber</b>	096500	F1 3'-6' of base and wall cabinets	123550
		F2 3'-4' of tall storage cabinets	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500	F3 4'-10' shelving (optional)	123550
Ceiling:		<u>Fire Suppression:</u>	
Rated 2-hour construction	---	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs or	092116/099100	N/A	
Painted concrete masonry units	042000/099100	<u>HVAC:</u>	
Rated 2-hour construction		To be determined by Design Professional	
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 File cabinets		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		T1 1 data port (optional)	271513
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Wall, ceiling, and door construction to have a 2-hour fire rating	

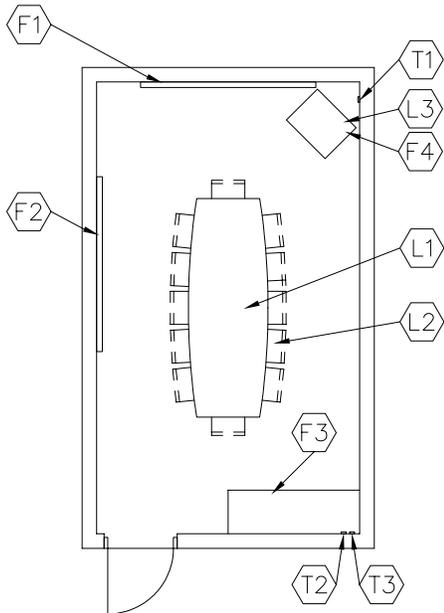
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

150 SF



250 SF



CAPACITY:  
SIZE:

12 - 15 persons  
150 - 250 SF

**PROGRAM ACTIVITIES:**

- Conferences with staff, students, parents, and other community groups

**SPATIAL RELATIONSHIPS:**

- Near guidance counselors office
- Near principal's office
- Near reception area
- Near guidance records/storage area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum STC **45**  
ceiling minimum CAC 35, NRC **0.70**
- **Optional – window with integral blinds**

**NOTES:**

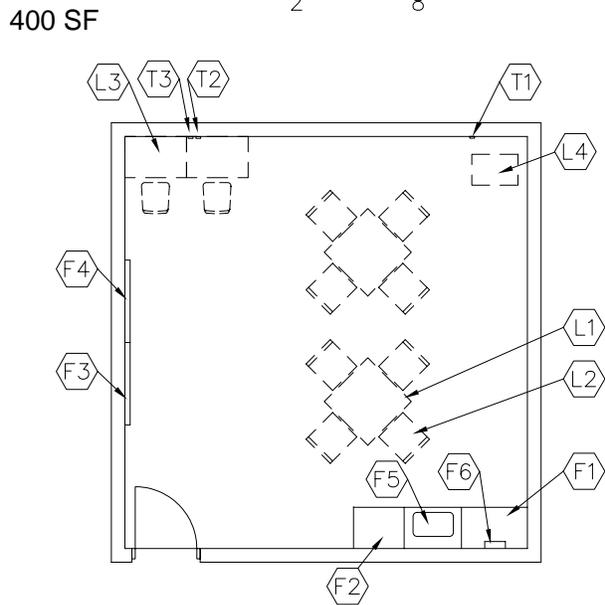
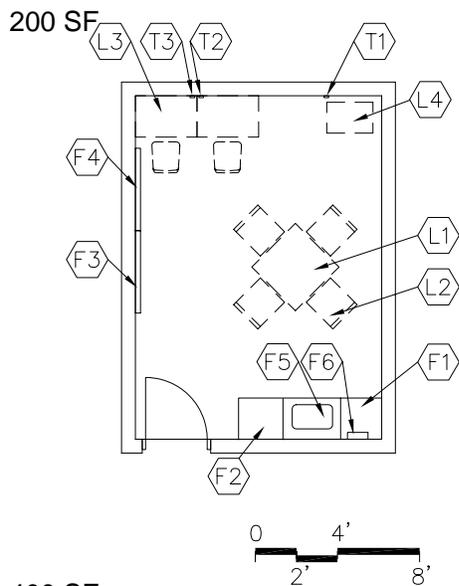
1. Loose furnishings shown represent one of many possible arrangements.

**GUIDANCE CONFERENCE  
CT-AD-14**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or</i> Carpet Tile	096816 <b>096813</b>	F1 6'-8' of chalk/marker board	101100
		F2 4'-8' of tack board	101100
Base:		F3 4'-6' of base cabinets	123550
Resilient base	096500	F4 Technology support casework (optional)	123550
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Conference table		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
L3 Monitor cart or cabinet (could be fixed casework)		<u>Electrical:</u>	
Wastebasket		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	
		271533/271543/274119	
		T2 1 voice port and phone	271513/273113
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed casework and loose furnishings can be also either all fixed or all loose.



CAPACITY: 2 - 8 persons  
 SIZE: 200 - 400 SF

PROGRAM ACTIVITIES:

- After school meetings, community, and small group meetings

SPATIAL RELATIONSHIPS:

- Near administrative area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -  
 wall minimum STC **45**  
 ceiling minimum CAC 35, NRC **0.70**
- **Optional – window with integral blinds**

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.

**PARENT/VOLUNTEER  
CT-AD-15**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<b><u>FINISHES<sup>1</sup>:</u></b>		<b><u>FEATURES<sup>1</sup>:</u></b>	
<b>Flooring:</b>		<b><u>Fixed Items:</u></b>	
Carpet <i>or</i> Carpet Tile	096816 <b>096813</b>	F1 About 3' of base cabinets	123550
		F2 2' of tall wardrobe or coat cabinet (optional)	123550
<b>Base:</b>		F3 4' of chalk/marker board (optional)	101100
Resilient base	096500	F4 4' of tack board or tackable wall surface	101100
<b>Ceiling:</b>		F5 3' sink base cabinet	123550
Suspended, acoustical	095113	F6 Towel dispenser	102813
<b>Walls:</b>		<b><u>Fire Suppression:</u></b>	
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	Fire suppression system	211000
<b><u>LOOSE FURNISHINGS:</u></b>		<b><u>Plumbing:</u></b>	
L1 Table		Sink	224000
L2 Chairs		Plumbing connections	224000/221116/221119
L3 Computer workstation furniture			
L4 Monitor cart		<b><u>HVAC:</u></b>	
Wastebasket		Supply/return air system	Div. 15
Pencil sharpener		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<b><u>Electrical:</u></b>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<b><u>Communications:</u></b>	
		T1 1 video port and video display device	271533/271543/274119
		T2 1 voice port and phone	271513/273113
		T3 1 data port near workstation	271513
		Clock	275313
		Central sound system	275123
		<b><u>Electronic Safety and Security:</u></b>	
		Life safety devices per code	283111
		<b><u>Miscellaneous:</u></b>	
		N/A	

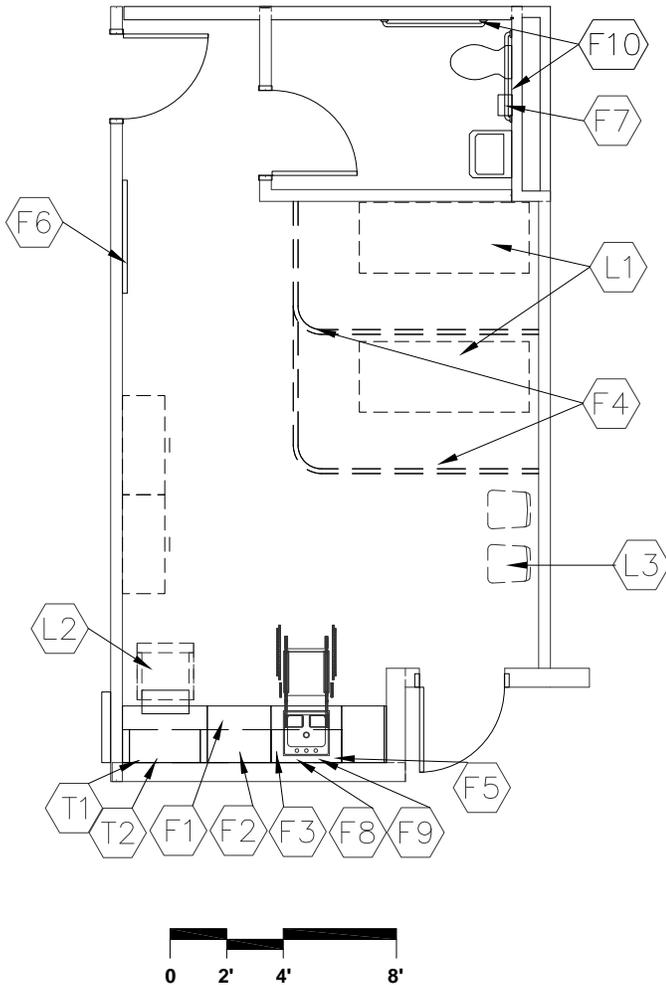
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**HEALTH CLINIC (includes restroom)**  
**CT-AD-16**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

450 SF



CAPACITY: **2 - 3 patients**  
 SIZE: **Clinic.....240 - 390 SF**  
           **Restroom.....60 SF**  
 ANCILLARY SPACES: **Secretarial Area**  
                           **CT-AD-2**

**PROGRAM ACTIVITIES:**

- Treatment of minor injuries, administration of medication, and conduction of hearing or vision tests

**SPATIAL RELATIONSHIPS:**

- Near reception area
- Adjacent to individual restroom
- **Near special education shower**

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control - wall minimum STC 48  
ceiling minimum CAC 35, NRC 0.70
- Stain-resistant floor covering

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

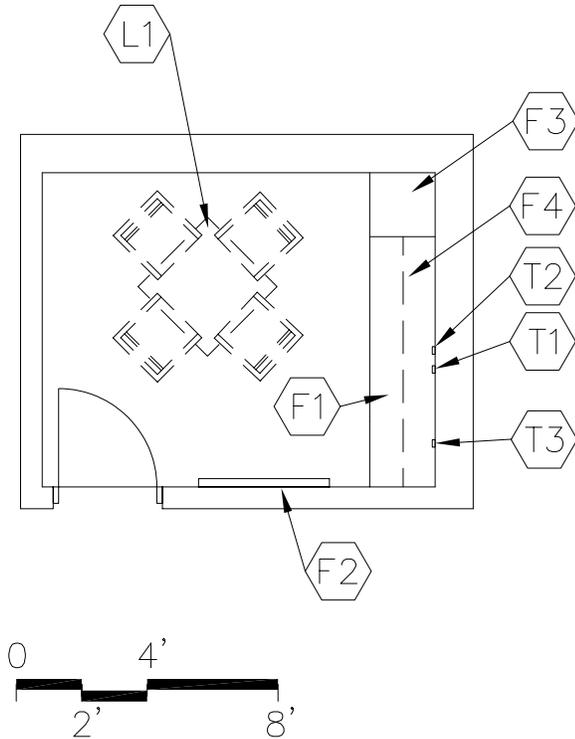
**HEALTH CLINIC (includes restroom)**  
**CT-AD-16**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES</u> <sup>1</sup> :	Spec. Ref.#	<u>FEATURES</u> <sup>1</sup> :	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum,	096516	F1 4'-9' of base cabinets	123550
rubber, ET, sheet vinyl, or	096500	F2 3' sink base cabinet	123550
resinous flooring	096723	F3 4'-9' of wall cabinets, lockable	123550
		F4 Cubicle curtain and track	102123
<u>Base:</u>		F5 Towel dispenser	102813
Resilient base, resinous flooring,	096500	F6 4' of tack board	101100
or integral vinyl cover base	096730	F7 Sanitary napkin dispenser/disposal	102813
		F8 Soap dispenser	102813
<u>Ceiling:</u>		F9 24" x 60" mirror	102813
Suspended, acoustical	095113	F10 36" and 42" grab bars	102813
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted gypsum wallboard		Fire suppression system	211000
over metal studs	092116/099100		
		<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		Sink - with goose neck	224000
L1 Cots		Plumbing connections	224000/221116/221119
L2 Desk and chair			
L3 Chairs		<u>HVAC:</u>	
Wastebasket		Supply/return air system	Div. 23
		Independent temperature	
<u>EQUIPMENT</u>		control	230923
E1 Refrigerator with ice making capabilities		Exhaust directly to exterior	
		<u>Electrical:</u>	
		Single level switching with dimmer	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		2 duplex receptacles	262726
		Double duplex receptacle adjacent	
		to each data port	262726
		Receptacle for refrigerator	262726
		Emergency lighting	265100
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271523
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.



APACITY:  
SIZE:

1 - 3 persons  
120 SF

**PROGRAM ACTIVITIES:**

- Office and work area for specialists such as psychologist, reading specialist, etc., who regularly spend a portion of their schedule at one of several schools

**SPATIAL RELATIONSHIPS:**

- Near reception area
- Near secretarial area
- Direct access to school circulation areas
- Near main entrance to the building
- Near or accessible to principal's office and guidance counselor's office

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**
- **Optional – window with integral blind**

**NOTES:**

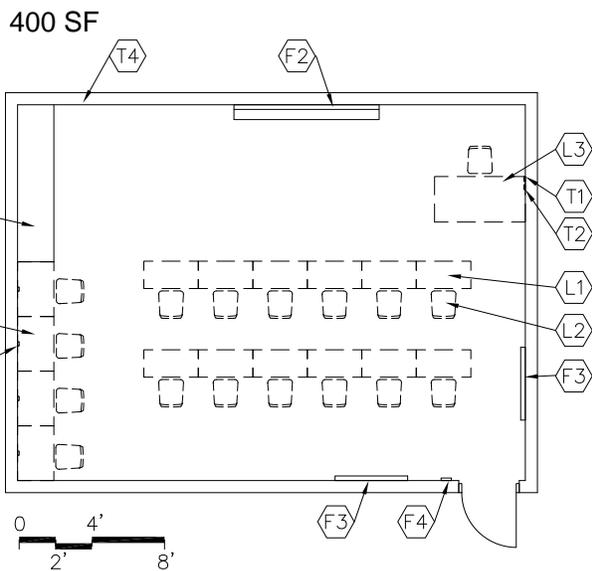
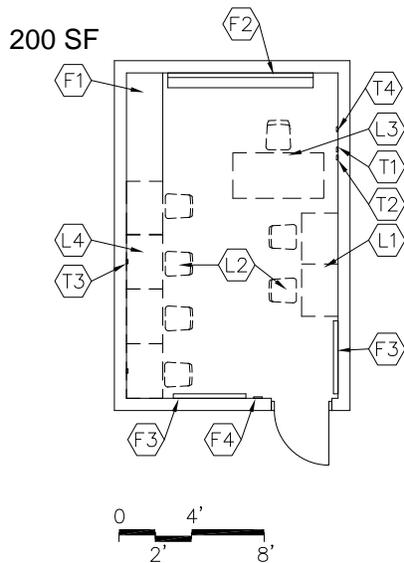
1. Loose furnishings shown represent one of many possible arrangements.

**ITINERANT PERSONNEL  
CT-AD-17**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

	Spec. Ref.#		Spec. Ref.#
<b><u>FINISHES<sup>1</sup>:</u></b>		<b><u>FEATURES<sup>1</sup>:</u></b>	
Flooring:		<b><u>Fixed Items:</u></b>	
Carpet <i>or</i> Carpet Tile	096816 <b>096813</b>	F1 Work surface with file drawers(optional)	123550
Base:		F2 4' of tack board or tackable wall surface	101100
Resilient base	096500	F3 2' of tall wardrobe (optional)	123550
Ceiling:		F4 Wall cabinets	123550
Suspended, acoustical	095113	<b><u>Fire Suppression:</u></b>	
Walls:		Fire suppression system	211000
Painted gypsum wallboard over metal studs	<b>092116/099100</b>	<b><u>Plumbing:</u></b>	
<b><u>LOOSE FURNISHINGS:</u></b>		N/A	
L1 Table and chairs		<b><u>HVAC:</u></b>	
Wastebasket		Supply/return air system	Div. 23
		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<b><u>Electrical:</u></b>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<b><u>Communications:</u></b>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<b><u>Electronic Safety and Security:</u></b>	
		Life safety devices per code	283111
		<b><u>Miscellaneous:</u></b>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.



**CAPACITY:** 5 - 8 students  
**SIZE:** 200 - 400 SF

**PROGRAM ACTIVITIES:**

- Instructional area for students who require time away from the normal classroom due to behavioral problems

**SPATIAL RELATIONSHIPS:**

- Near principal's office
- Near secretarial area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
 wall minimum STC 50  
 ceiling minimum CAC 35, NRC **0.70**

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**IN-SCHOOL SUSPENSION  
CT-AD-18**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

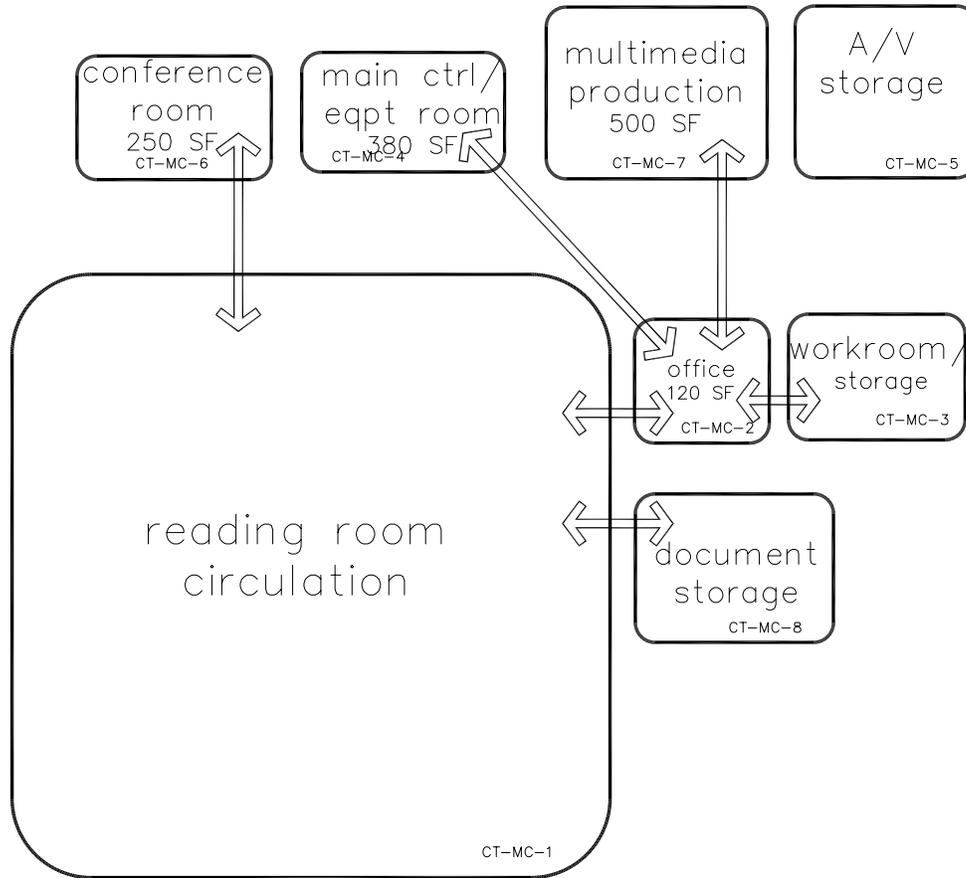
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, <b>carpet tile</b> , ET, linoleum, sheet vinyl, or rubber	096816	F1 3'-4' of base cabinets (optional)	123550
	096500	F2 6'-8' of chalk/marker board	101100
	096516	F3 4'-8' of tack board	101100
	<b>096813</b>	F4 Pencil sharpener support	062000
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	042000/092113	Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Student carrels and/or desks		Single level switching	262726
L2 Student chairs		Fluorescent lighting	265100
L3 Teacher workstation and chair		Illumination level: See Table 8600-4	
L4 Computer workstation furniture		4 duplex receptacles	262726
Wastebasket		Double duplex receptacle adjacent to each data and video port	262726
Pencil sharpener		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near teacher workstation	271513
		T3 2 data ports (minimum) for student use	271513
		T4 1 video port	271533/271543
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

## MEDIA CENTER SPACES CT-MC

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



#### NOTE:

This is an example of how the media center spaces in a career-technical school could be arranged. This is only meant to demonstrate the relationships between various areas of the building.

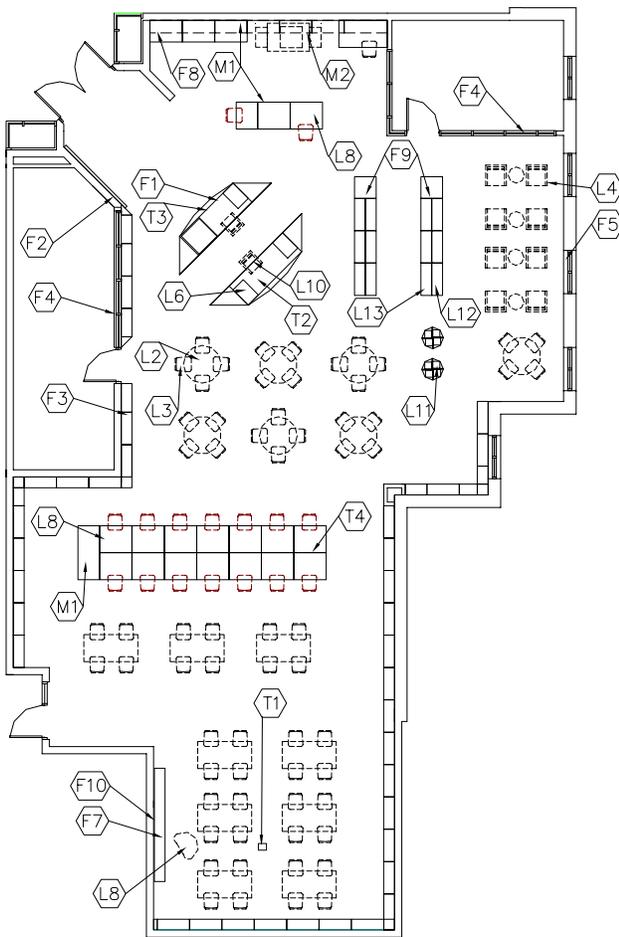
Following are the Media Center space plates:

- CT-MC-1 Reading Room/Circulation
- CT-MC-2 Media Specialist Office
- CT-MC-3 Workroom/Storage
- CT-MC-4 **Main Control/Equipment Room**
- CT-MC-5 A/V Storage
- CT-MC-6 Conference Room
- CT-MC-7 Multimedia Production Room
- CT-MC-8 Document Storage

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## READING ROOM/CIRCULATION CT-MC-1

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



CAPACITY: 10% of student capacity  
 SIZE: 10% of student capacity  
 multiplied by 35 SF per student

#### PROGRAM ACTIVITIES:

- Information laboratory that serves the instructional needs of the entire school.
- Recreational reading, research, accessing information, using technology, storing, cataloging, and reproduction of materials and information.
- Individual, small group, and class reading and researching.

#### SPATIAL RELATIONSHIPS:

- Centrally located and accessible to all areas of the facility
- Locate with access to academic core classrooms
- Easy access to public parking

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Natural light opening with an operable vent
- Environmental sound control -  
 wall minimum STC 50  
 ceiling minimum CAC 35, NRC **0.70**
- Visual awareness of space to students and staff through transparency to corridor

#### NOTES:

1. Loose furnishings shown represent one of many possible arrangements.

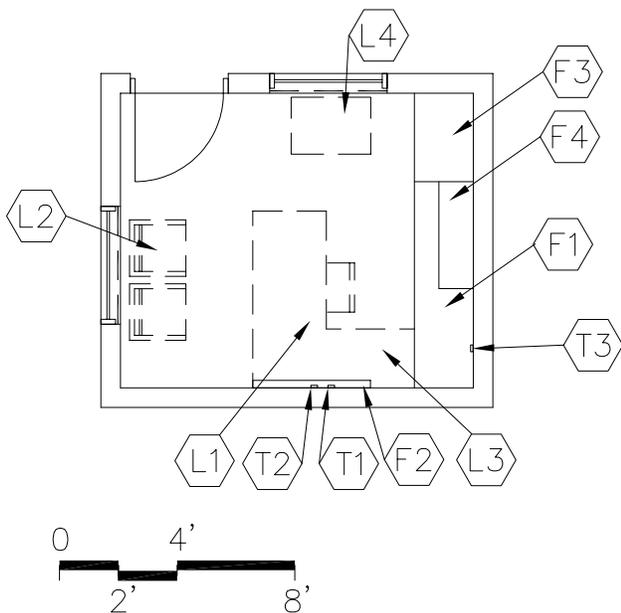
**READING ROOM/CIRCULATION  
CT-MC-1**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>FINISHES<sup>1</sup>:</u>		<u>Fixed Items:</u>	
Flooring:		F1 Circulation desk casework	123550
Carpet or Carpet Tile	096816	F2 6'-10' of tack board or	101100
	096813	tackable wall surface	
Base:		F3 Library book shelving ( <b>see notes</b> )	115123
Resilient base	096500	F4 Interior windows	081113/088000
		F5 Windows with integral blinds or shades	085113
Ceiling:		F6 Pencil sharpener support (optional)	062000
Suspended, acoustical	095113	F7 6'-10' of chalk/marker board	101100
		F8 Technology support casework	123550
Walls:		F9 Search station terminals	123550
Painted concrete masonry units	042000/099100	F10 Projection screen (optional)	115213
Acoustical wall treatment	098000	Roller window shades (optional)	122413
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS<sup>2</sup>:</u>		<u>Plumbing:</u>	
L1 Mobile book carts		N/A	
L2 Student tables		<u>HVAC:</u>	
L3 Student chairs		Supply/return air system	Div. 23
L4 Casual seating chairs		Independent temperature control	230923
L5 Study carrels (optional)		<u>Electrical:</u>	
L6 (3) Desk height file cabinets		Fluorescent lighting:	265100
L7 Atlas stand (optional)		Illumination level: See Table 8600-4	
L8 Computer workstation furniture		Multilevel switching	262726
L9 Dictionary stand (optional)		10 duplex receptacles	262726
L10 Circulation desk task chair		Double duplex receptacle adjacent to	
L11 Paperback book racks		each data and video port	262726
L12 Newspaper racks		Emergency lighting per code	265100
L13 Magazine display		Means of egress lighting per code	265100
Wastebaskets		<u>Communications:</u>	
Pencil sharpener (optional)		T1 1 video port and video display device	271533/271543/274119
		T2 1 voice port and phone at	
		circulation desk	271513/273113
		T3 2 data ports for media center automation	
		system	271513
		T4 4 data ports for student use	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		The following items are to be funded by the owner:	
		M1 2 printers: 1 at circulation desk and	
		1 in student work area	
		M2 Copier	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Circulation desks and library shelving can be loose furnishings.
3. Technology components maybe be placed in a separate small cabinet, or integrated in the other casework in the room.
4. **Fixed casework and loose furnishings can be interchangeable.**
5. **Up to 20% of book shelving can be moveable.**



## PROGRAM ACTIVITIES:

- Media specialist to conduct duties

## SPATIAL RELATIONSHIPS:

- Near reading room/circulation area
- Near workroom/storage
- Could be part of the media center reading room

## ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -  
wall minimum STC **45**  
ceiling minimum CAC 35, NRC **0.70**

CAPACITY: 1 - 3 persons  
SIZE: 120 SF

NOTES:

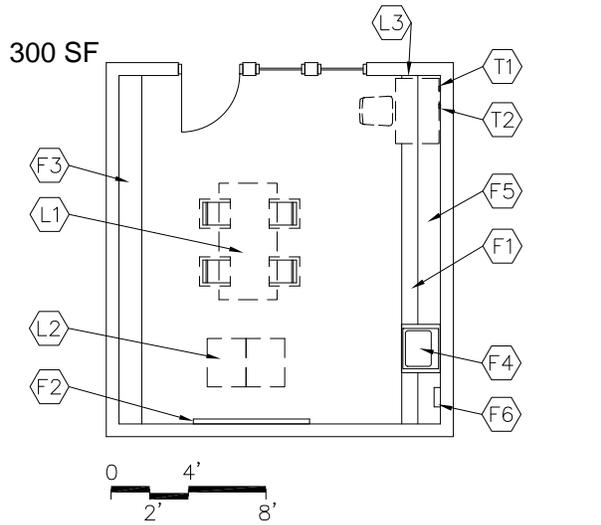
1. Loose furnishings shown represent one of many possible arrangements.

**MEDIA SPECIALIST OFFICE  
CT-MC-2**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>			
Carpet <i>or</i> Carpet Tile	096816 <b>096813</b>	<u>Fixed Items:</u> F1 Work surface with file drawers	123550
		F2 4' of tack board or tackable wall surface	101100
<u>Base:</u>			
Resilient base	096500	F3 2' of tall wardrobe	123550
		F4 Wall cabinets	123550
<u>Ceiling:</u>			
Suspended, acoustical	095113	F5 Bookcases (optional)	123550
<u>Walls:</u>			
Painted concrete masonry units	<b>042000/099100</b>	<u>Fire Suppression:</u> Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>			
L1 Desk and chair		<u>Plumbing:</u> N/A	
L2 Visitor chairs		<u>HVAC:</u> Supply/return air system	Div. 23
L3 Computer desk return		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
L4 File cabinet		<u>Electrical:</u> Single level switching	262726
Wastebasket		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u> T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u> Life safety devices per code	283111
		<u>Miscellaneous:</u> Interior window	081113/088000

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.



**PROGRAM ACTIVITIES:**

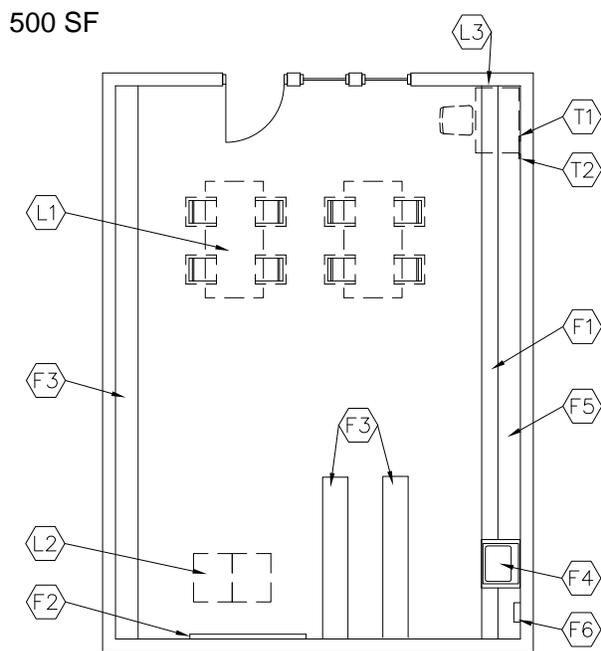
- Space for receiving, processing, and repairing media material

**SPATIAL RELATIONSHIPS:**

- Near reading room/circulation
- Near media specialist office

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**
- Visual access to reading room/circulation



**CAPACITY:** 2 - 8 staff  
**SIZE:** 300 - 500 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**WORKROOM/STORAGE  
CT-MC-3**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

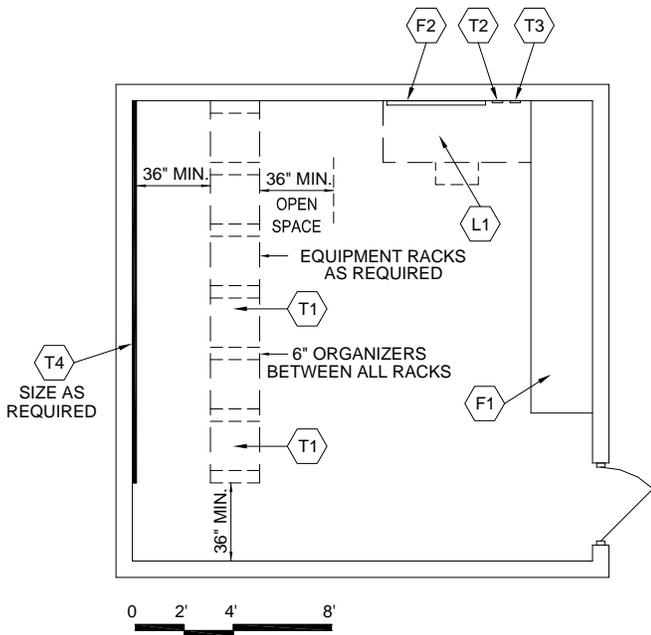
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items<sup>2</sup>:</u>	
<b>Rubber</b>	096500	F1 13'-25' of base cabinets or combination with tall cabinets	123550
Base:		F2 4'-8' of tack board	101100
Resilient base	096500	F3 16'-60' of bookcases	123550
Ceiling:		F4 3' sink base cabinet	123550
Suspended, acoustical	095113	F5 13'-28' of wall cabinets	123550
Walls:		F6 Towel dispenser	102813
Painted concrete masonry units	042000/099100	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Table and chairs		Sink	224000
L2 Book trucks		Plumbing connections	224000/221116/221119
L3 Computer workstation		<u>HVAC:</u>	
Wastebasket		Supply/return air system	Div. 23
		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window	081113/088000

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**MAIN CONTROL / EQUIPMENT ROOM  
CT-MC-4**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**PROGRAM ACTIVITIES:**

- Collection and distribution hub for the voice, video, and data networks within the facility
- Contains racks for distribution equipment

**SPATIAL RELATIONSHIPS:**

- Near the center of the building *to minimize the number of Telecommunication Rooms (TR)*

**ENVIRONMENTAL CONSIDERATIONS:**

- Ventilation and cooling of heat-generating electronic equipment

CAPACITY: N/A  
 SIZE: 300 - 400 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**MAIN CONTROL / EQUIPMENT ROOM  
CT-MC-4**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
ET or sheet vinyl	096500	F1 8'-16' of open shelving, depth may vary (fixed or loose)	123550
Base:		F2 4' of tack board (optional)	101100
Resilient base	096500	<u>Fire Suppression:</u>	
Ceiling:		Fire suppression system	211000
Suspended, acoustical	095113	<u>Plumbing:</u>	
Walls:		N/A	
Painted concrete masonry units	042000/099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Independent, packaged system	Div. 23
L1 Desk and chair		<u>Electrical:</u>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 duplex receptacles	262726
		Duplex receptacle for electronic systems	262726
		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
		T1 Technology Equipment	
		Central sound system	275123
		Telephone wiring	271313/271513
		Integrated telephone system	273113
		Video wiring	271333/271533/271543
		Digital on demand delivery system	274125
		Local area network wiring	271513/271323
		Local area network electronics	272100
		Grounding & Infrastructure Equipment	270526/271100
		T2 1 voice port and phone	271513/273113
		T3 1 data port near workstation	271513
		T4 1/4" plywood back board	271313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		Security system	281300/281600/282300
		<u>Miscellaneous:</u>	
		Provide distribution equipment with an equipment electrical ground.	

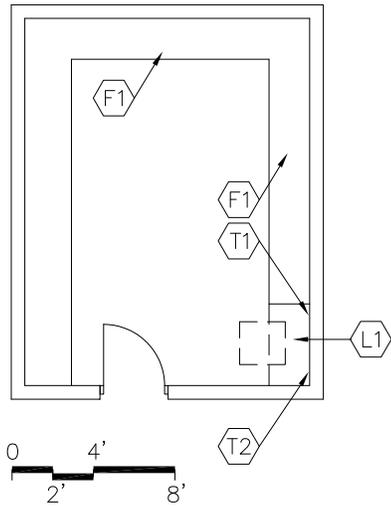
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**A/V STORAGE  
CT-MC-5**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

250 SF



**PROGRAM ACTIVITIES:**

- Storage of audio/video (A/V) equipment

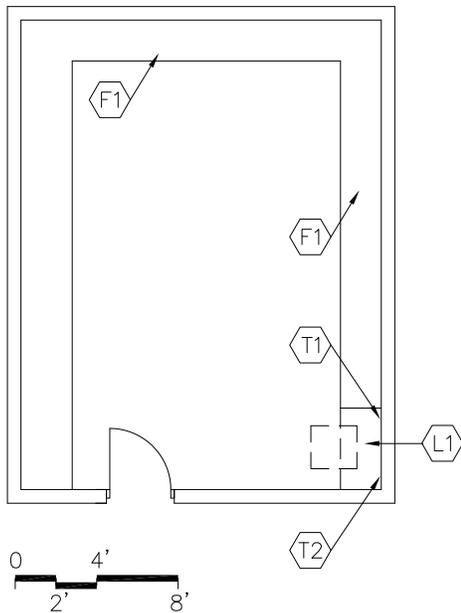
**SPATIAL RELATIONSHIPS:**

- Near media specialist office
- Near workroom/storage

**ENVIRONMENTAL CONSIDERATIONS:**

N/A

350 SF



CAPACITY:

N/A

SIZE:

250 - 350 SF

**NOTES:**

**A/V STORAGE  
CT-MC-5**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

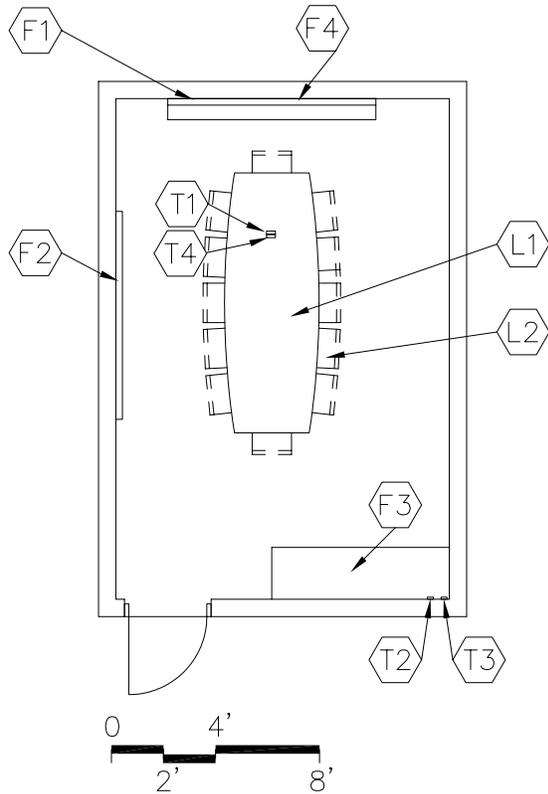
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items<sup>3</sup>:</u>	
<b>Rubber</b>	096500	F1 8' – 26' of open shelving, depths may vary (fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500	<u>Fire Suppression:</u>	
Ceiling:		Fire suppression system	211000
Suspended, acoustical	095113	<u>Plumbing:</u>	
Walls:		N/A	
Painted concrete masonry units	042000/099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		To be determined by Design Professional	
L1 Desk and chair		<u>Electrical:</u>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles (minimum)	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**CONFERENCE ROOM  
CT-MC-6**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



**CAPACITY:** 8 - 12 persons  
**SIZE:** 250 SF

**PROGRAM ACTIVITIES:**

- Used primarily by students for group projects

**SPATIAL RELATIONSHIPS:**

- Near reading room/circulation

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**CONFERENCE ROOM  
CT-MC-6**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

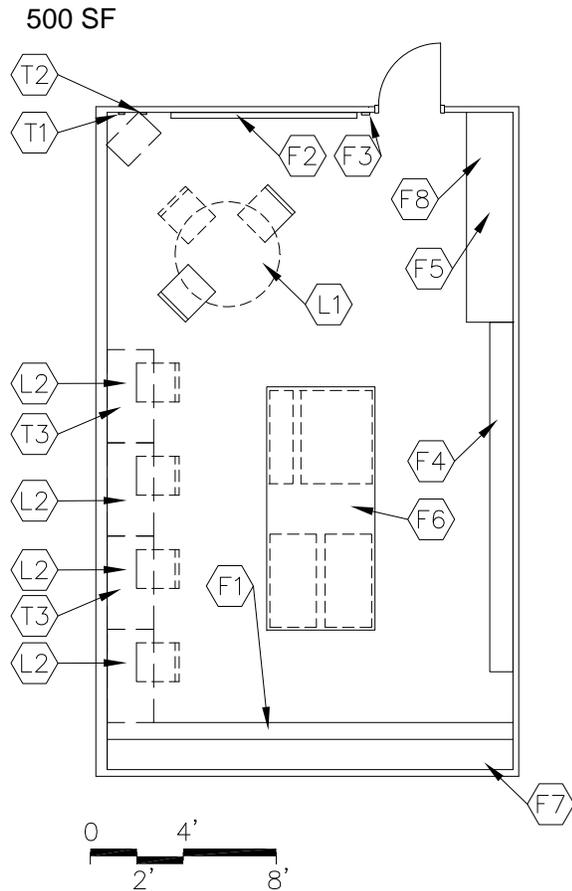
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items<sup>2</sup>:</u>	
Carpet <i>or Carpet Tile</i>	096816 <b>096813</b>	F1 8'-10' of chalk/marker board	101100
		F2 6'-8' of tack board	101100
Base:		F3 4'-6' of base cabinets (optional) (fixed or mobile)	123550
Resilient base	096500	F4 Projection screen (optional)	115213
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units	<b>042000/099100</b>	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Conference table		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
Wastebasket		<u>Electrical:</u>	
		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		T3 1 data port	271513
		T4 Overhead projector	274119
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.
3. Fixed casework and loose furnishings can be also all fixed or all loose.

**MULTIMEDIA PRODUCTION ROOM  
CT-MC-7**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



CAPACITY:  
SIZE:

5 - 7 persons  
500 SF

**PROGRAM ACTIVITIES:**

- Production of a variety of media
- Individual student project work and student instruction
- Putting together student project presentations in media such as PowerPoint, video, reports, 3D models, etc.

**SPATIAL RELATIONSHIPS:**

- Near workroom/storage
- Near media center

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control –  
wall minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**

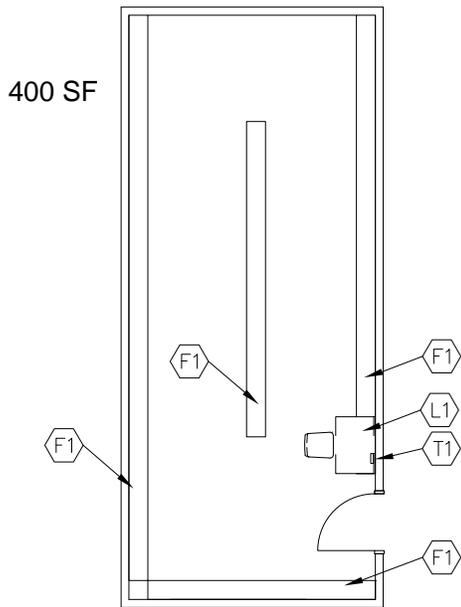
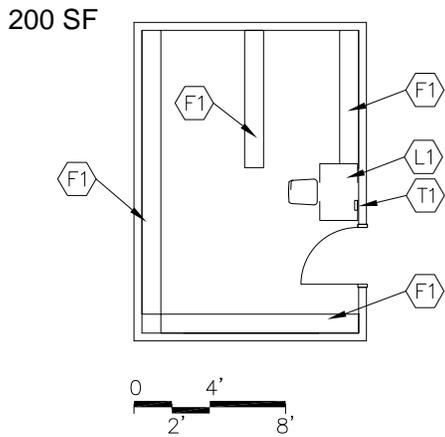
**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.
2. This space could be an area inside the media center.



**DOCUMENT STORAGE  
CT-MC-8**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



CAPACITY: N/A  
 SIZE: 200 - 400 SF

**PROGRAM ACTIVITIES:**

- Secured storage for documents, including newspapers, periodicals, microfilm and microfiche

**SPATIAL RELATIONSHIPS:**

- Near reading room/circulation

**ENVIRONMENTAL CONSIDERATIONS:**

N/A

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**DOCUMENT STORAGE**  
**CT-MC-8**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

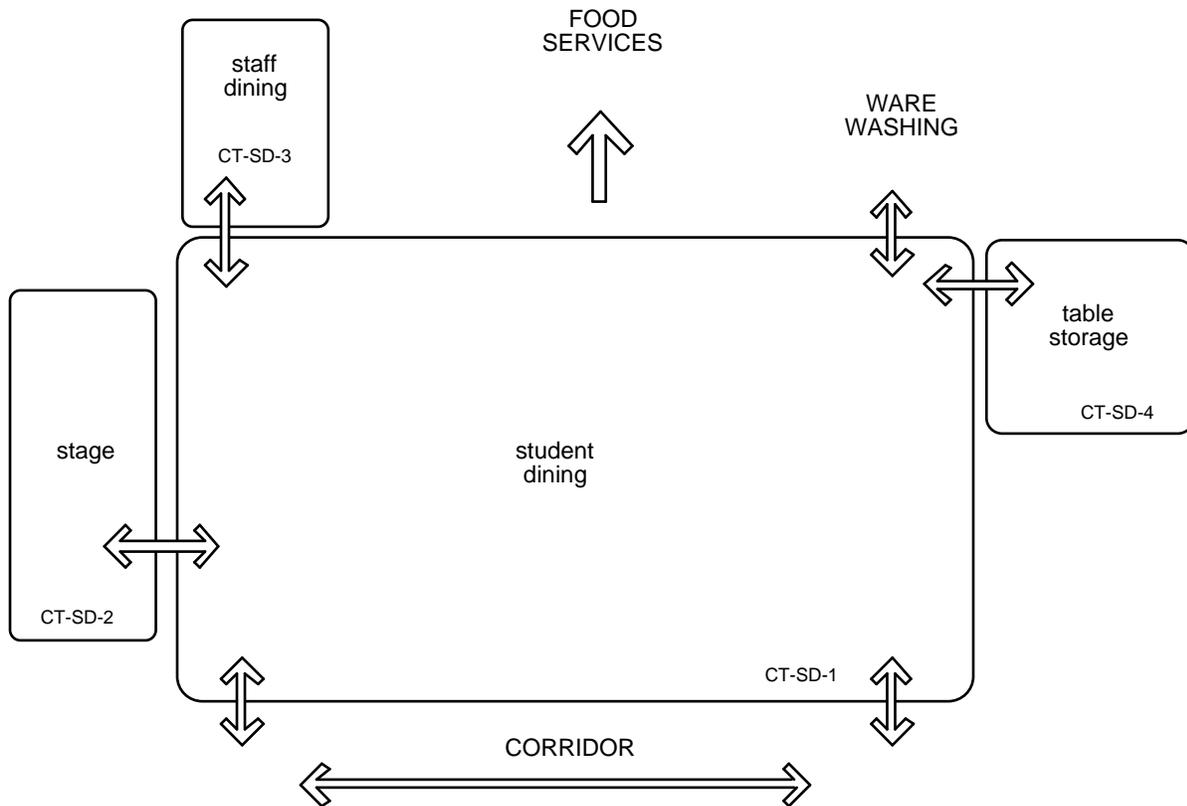
	Spec. Ref.#		Spec. Ref.#
<u>FINISHES<sup>1</sup>:</u>		<u>FEATURES:</u>	
Flooring:		<u>Fixed Items<sup>2</sup>:</u>	
<b>Rubber</b>	096500	F1 36' – 80' of open shelving (fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500		
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units		N/A	
	042000/099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		To be determined by Design Professional	
L1 Computer worksurface		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-10	
		Single level switching	262726
		2 duplex receptacles	262726
		<u>Communications:</u>	
		T1 1 data port (optional)	271523
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

## STUDENT DINING SPACES CT-SD

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



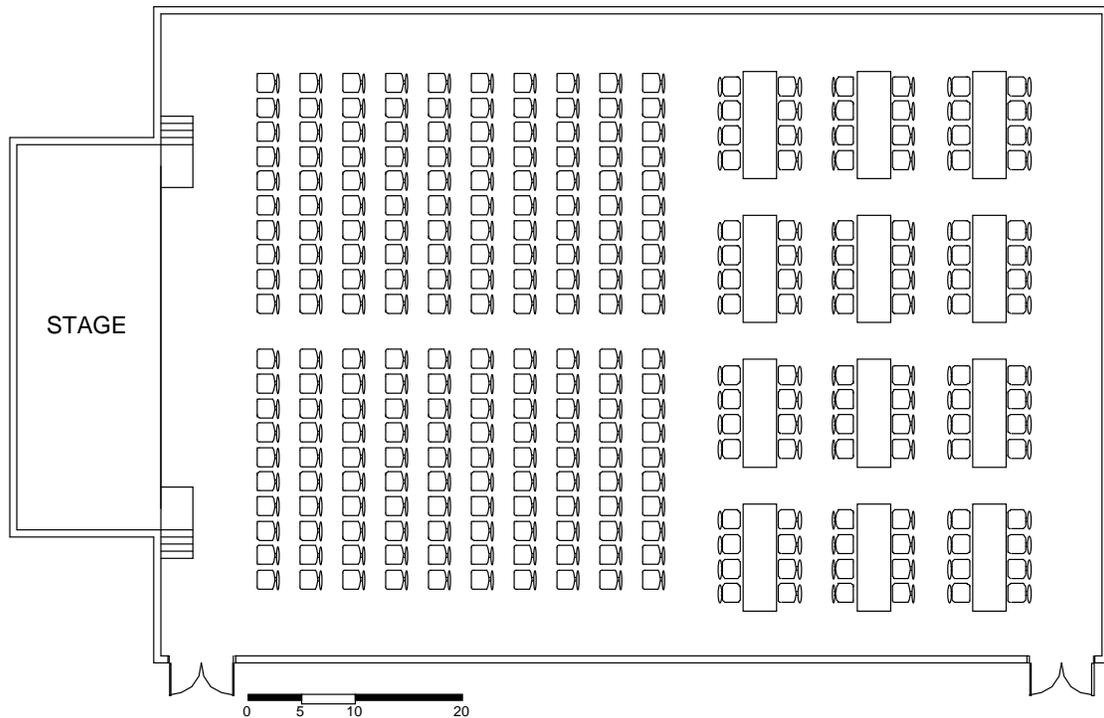
#### NOTE:

This is an example of how the student dining spaces in a career-technical school could be arranged. This is only meant to demonstrate the relationships between various areas of the building.

Following are the Administrative space plates for the following rooms:

- CT-SD-1 Student Dining
- CT-SD-2 Stage
- CT-SD-3 Staff Dining
- CT-SD-4 Table Storage
- CT-SD-5 Family Restroom**

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**CAPACITY:** 1/3 of student capacity  
**SIZE:** 1/3 of student capacity multiplied  
 by 17.5 SF per student or 3,000 SF  
 whichever is greater  
**ANCILLARY SPACES:** Kitchen, CT-FS-1  
 Stage, CT-SD-2  
 Staff Dining, CT-SD-3  
 Table Storage, CT-SD-4

**PROGRAM ACTIVITIES:**

- Student dining
- Large group instruction, meetings and banquets
- Special activities
- Refreshment area for school activities

**SPATIAL RELATIONSHIPS:**

- Adjacent to kitchen

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform non-glare lighting
- Environmental sound control - walls and ceiling to be designed for auditorium-type acoustics sound system
- Flexibility of space
- Access capability
- Environmental sound control wall minimum **STC 60**

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

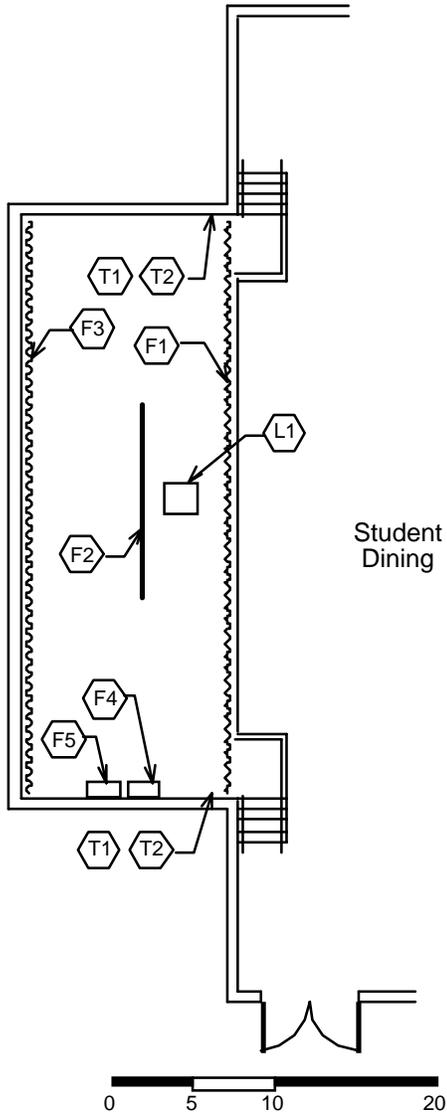
**STUDENT DINING  
CT-SD-1**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<b>Flooring:</b>		<b>Fixed Items:</b>	
Linoleum, rubber, VET,	096500	N/A	
sheet vinyl, porcelain tile,	096516		
<b>epoxy terrazo,</b>	033519	<b>Fire Suppression:</b>	
polished concrete	033510	Fire suppression system	211000
finishing, or colored finishing			
<b>Base:</b>		<b>Plumbing:</b>	
Resilient base	096500	N/A	
Option: Porcelain tile base	093000	<b>HVAC:</b>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
<b>Ceiling<sup>3</sup>:</b>		<b>Electrical:</b>	
Suspended, acoustical	095113	High intensity discharge lighting	265100
Painted exposed structure	099100	or fluorescent lighting	
Reflector panels	098000	Dimmable quartz lighting	265100
		illumination level: see table 8600-4	
<b>Walls:</b>		Multilevel switching with dimming	262726
Painted concrete masonry units	042000/099100	6 duplex receptacles	262726
Diffusing block on 2 walls		Double duplex receptacle adjacent to	
(minimum) or	042000	each data and video port	262726
Acoustic treatment	098000	Emergency lighting per code	265100
(varies with geometry of room)		Means of egress lighting per code	265100
		Telecommunications Grounding	270526/260526
<b>LOOSE FURNISHINGS:</b>		<b>Communications:</b>	
L1 Tables		T1 2 voice ports	271513/273113
L2 Folding or high-density stack chairs		T2 2 video ports	271533/271543
for large assembly use		T3 2 data ports (minimum)	271513
Waste receptacles		Clocks	275313
Recycling bins		Central sound system	275123
Carts for chairs		Student dining/auditeria sound system	275121
		T4 Overhead projector	274119
<b>Note:</b> Cafeteria tables with attached stools shall be securely anchored to walls when not in use, or be kept in a secure storage area when not in use.		<b>Electronic Safety and Security:</b>	
		Life safety devices per code	283111
		<b>Miscellaneous:</b>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Other types of ceiling may be appropriate based on the actual facility design. High ceilings are appropriate for auditorium-type of acoustics.
3. Ceiling height to be 18'0" AFF minimum.



**PROGRAM ACTIVITIES:**

- Presentations

**SPATIAL RELATIONSHIPS:**

- Adjacent to student dining
- Near food services

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Access capability
- Sound system

**CAPACITY:** N/A  
**SIZE:** student capacity multiplied by 1.5 SF or 800 SF, whichever is larger

**ANCILLARY SPACES:**  
 Student Dining, CT-SD-1

NOTES:

**STAGE  
CT-SD-2**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Stage: Softwood or combination hardwood and softwood	096400	F1 Front curtain, track, and valance	116143
Stairs: Carpet, rubber, or wood		F2 Projection screen	116143
		F3 Rear curtain	116143
<u>Base:</u>		F4 Sound control console	275121
Ventilated resilient base	096400	F5 Lighting control console	265100
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Painted exposed structure	099100	Fire suppression system	211000
		<u>Plumbing:</u>	
<u>Walls:</u>		N/A	
Painted concrete masonry units	<b>042000</b> /099100	<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Podium		Fluorescent lighting:	265100
		Illumination level: See Table 8600-10	
		Single level switching	262726
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
		T1 2 video ports	271533/271543
		T2 2 data ports	271513
		Student dining/auditeria sound system <sup>2</sup>	275121
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

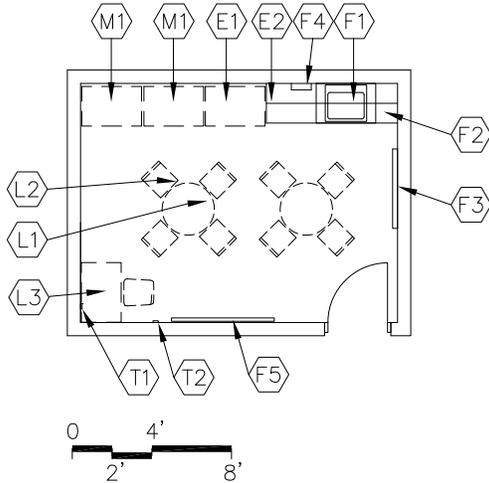
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Auditeria sound system is to be used in conjunction with the auditeria/student dining area.
3. Provide a reflective strip on floor at edge of stage.

**STAFF DINING  
CT-SD-3**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

450 SF



**PROGRAM ACTIVITIES:**

- Space for staff dining

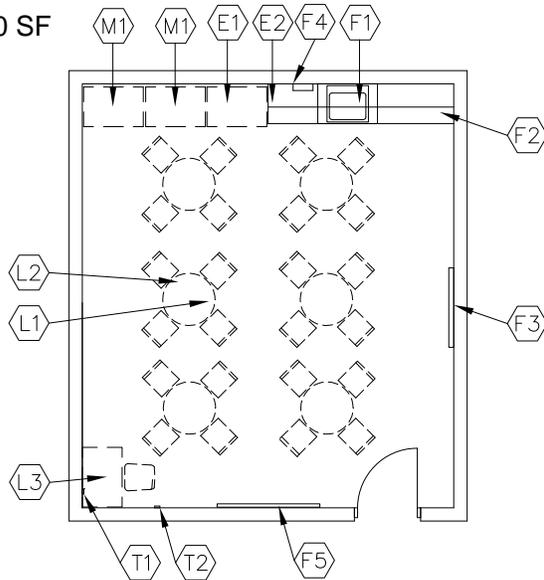
**SPATIAL RELATIONSHIPS:**

- Near student dining
- Near food services

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
walls minimum STC 50  
ceiling minimum CAC 35, NRC **0.70**

700 SF



**CAPACITY:** 8 – 24 staff  
**SIZE:** 450 – 700 SF  
**ANCILLARY SPACES:** Student Dining  
 CT-SD-1

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**STAFF DINING**  
**CT-SD-3**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<b><u>FINISHES<sup>1</sup>:</u></b>		<b><u>FEATURES<sup>1</sup>:</u></b>	
<b>Flooring:</b>		<b><u>Fixed Items:</u></b>	
Linoleum, rubber, ET,	096500	F1 3' sink base cabinet with wall cabinet	123550
sheet vinyl, porcelain tile,	096516	F2 About 8' of base and wall cabinets	123550
or <b>epoxy terrazzo</b>	093000	F3 4' of tack board	101100
		F4 Towel dispenser	102813
		F5 4'-6' of marker board (optional)	101100
<b>Base:</b>		<b><u>Fire Suppression:</u></b>	
Resilient base	096500	Fire suppression system	211000
Optional: porcelain tile base	093000		
<b>Ceiling:</b>		<b><u>Plumbing:</u></b>	
Suspended, acoustical	095113	Sink	224000
<b>Walls:</b>		Plumbing connections	224000/221116/221119
Painted, concrete masonry units	042000/099100		
<b><u>LOOSE FURNISHINGS:</u></b>		<b><u>HVAC:</u></b>	
L1 Tables		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
L3 Computer workstation			
Waste receptacle		<b><u>Electrical:</u></b>	
<b><u>EQUIPMENT:</u></b>		Single level switching	262726
E1 Refrigerator		Fluorescent lighting	265100
E2 Microwave		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each video port	262726
		Receptacles for vending machines,	
		refrigerator, and microwave	262726
		<b><u>Communications:</u></b>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273113
		Clock	275313
		Central sound system	275123
		<b><u>Electronic Safety and Security:</u></b>	
		Life safety devices per code	283111
		<b><u>Miscellaneous:</u></b>	
		The following items are to be funded by the	
		school district:	
		M1 Vending machines	

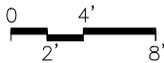
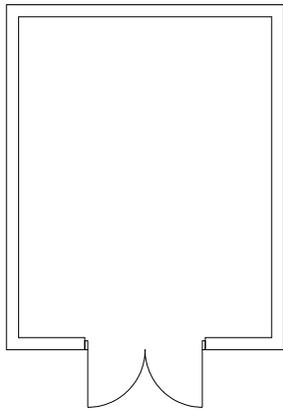
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**TABLE STORAGE  
CT-SD-4**

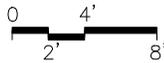
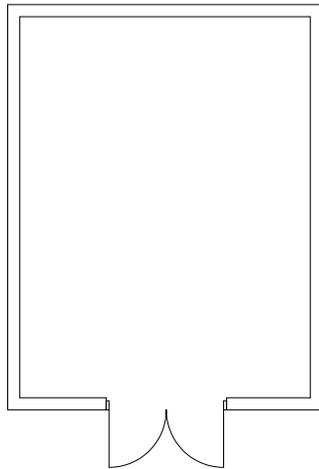
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

400 SF



Student Dining

550 SF



Student Dining

CAPACITY:

SIZE:

ANCILLARY SPACES:

N/A

400 - 550 SF

Student Dining

CT-SD-1

**PROGRAM ACTIVITIES:**

- Storage for tables and chairs

**SPATIAL RELATIONSHIPS:**

- Adjacent to student dining
- Near food services

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting

**NOTES:**

**TABLE STORAGE  
CT-SD-4**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

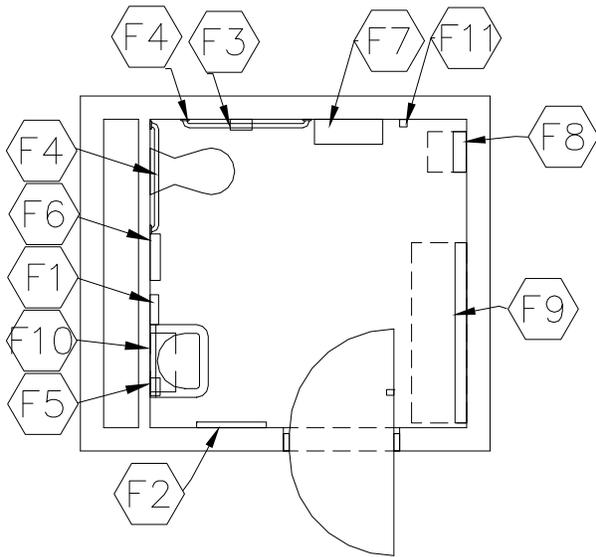
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b>Cure and seal</b> concrete	093000	N/A	
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure		N/A	
Option: Rated gypsum wallboard	092116	<u>HVAC:</u>	
Walls:		Exhaust air system	Div. 23
Unpainted concrete masonry units	042000	Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**FAMILY RESTROOM  
CT-SD-5**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



**PROGRAM ACTIVITIES:**

- Personal, health, and handicap needs for all building occupants

**SPATIAL RELATIONSHIPS:**

- Located where best accessible to all building occupants **and the public**

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum STC 48  
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

CAPACITY: 2 people  
SIZE: 80 SF

NOTES:

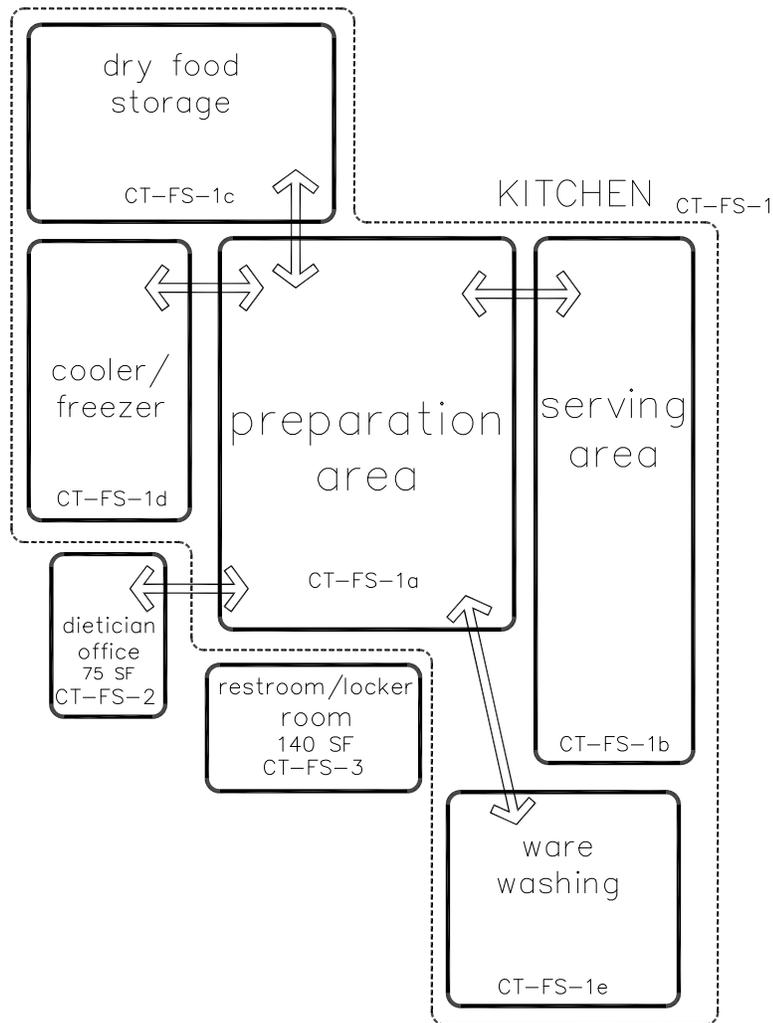
**FAMILY RESTROOM**  
**CT-SD-5**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum, rubber, <i>ET</i> ,	096516	F1 Towel dispenser	102813
or sheet vinyl	096500	F2 24" x 60" mirror	102813
Optional: Ceramic mosaic tile,	093000	F3 Toilet tissue holder	102813
porcelain tile, or	096723	F4 36" and 42" grab bar	102813
resinous flooring		F5 Soap dispenser	102813
		F6 Sanitary napkin dispenser/disposal	102813
<u>Base:</u>		F7 Folding utility shelf	102813
Resilient base	096500	F8 Mounted child seat	102813
Optional: Ceramic mosaic tile,	093000	F9 Adult/child changing station	102813
porcelain tile, resinous flooring	096723	F10 16" x 24" mirror with shelf	102813
flooring, or integral vinyl cove base		F11 Coat hooks	102813
		<u>Fire Suppression:</u>	
<u>Ceiling:</u>		Fire suppression system	211000
Suspended, acoustical	095113		
		<u>Plumbing:</u>	
<u>Walls:</u>		Wall-mounted water closet	224000
Painted concrete masonry units	042000/099100	Wall-mounted lavatory	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**NOTES:**

This is an example of how the food service spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

Following are the Food Service space plates:

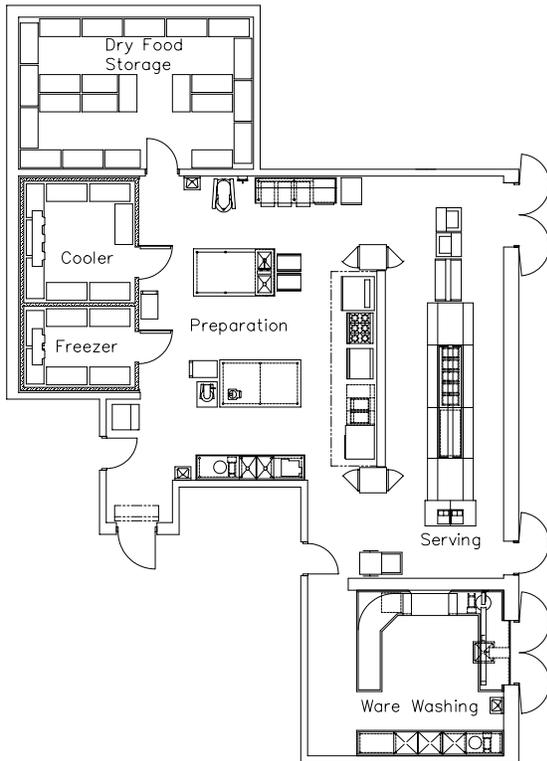
CT-FS-0	Warming Kitchen
CT-FS-1	Kitchen
CT-FS-1a	Preparation Area
CT-FS-1b	Serving Area
CT-FS-1c	Dry Food Storage
CT-FS-1d	Cooler/Freezer
CT-FS-1e	Ware Washing
CT-FS-2	Custodial Closet
CT-FS-3	Dietician Office
CT-FS-4	<b>Restroom/Locker Room</b>

## KITCHEN CT-FS-1

This space consists of various areas:

Preparation Area  
Serving Area  
Dry Food Storage  
Cooler/Freezer  
Ware Washing

A space plate follows for each of these areas.



CAPACITY: 3 – 10 persons  
SIZE: Student capacity multiplied by 3.5 SF per student  
ANCILLARY SPACES: Student Dining CT-SD-1  
Loading/Receiving Area CT-GS-7

### PROGRAM ACTIVITIES:

- Space for the planning, ordering, preparation, and serving of the meals, and for providing meals for the students and staff

### SPATIAL RELATIONSHIPS:

- Adjacent to student dining
- Near staff dining
- Near table storage
- Adjacent to loading/receiving area

### ENVIRONMENTAL CONSIDERATIONS:

- Compliance with State Board of Health requirements

### MISCELLANEOUS:

- The sizing of the kitchen area assumes:  
Type "A" meal service only at 80% of the student capacity and 3, 30-minute serving periods.

### NOTES:

This kitchen layout is to be used only for a central kitchen operation.

**WARMING KITCHEN  
CT-FS-0**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

This space consists of various areas:

Production Area	25%
Serving Area	35%
Warewash	25%
Storage	10%
Receiving	5%

Additional areas to be added:

Office	75 SF
Toilet	50 SF
Lockers/Laundry/Janitorial Closet	125 SF

**PROGRAM ACTIVITIES:**

- Space for receiving, organizing, and serving of the meals prepared in the central kitchen.

**SPATIAL RELATIONSHIPS:**

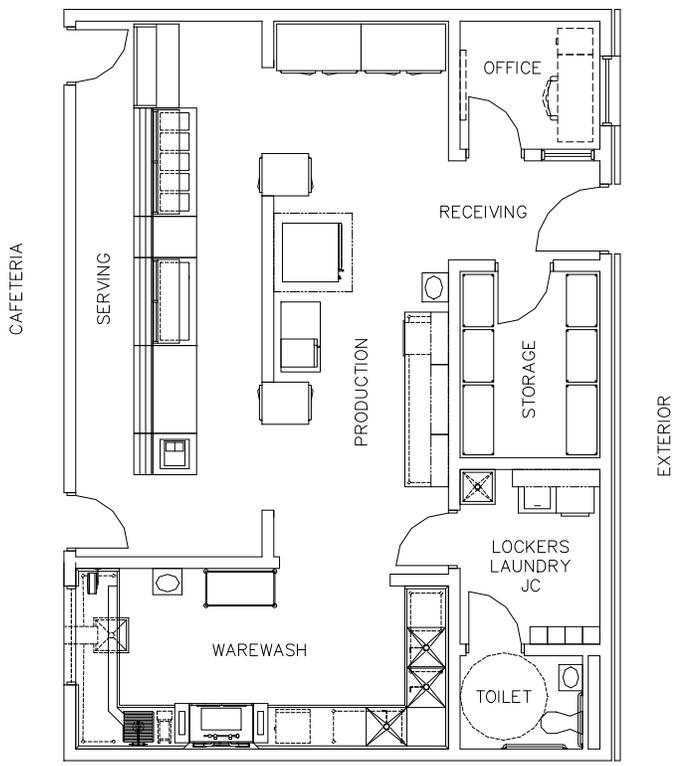
- Adjacent to student dining
- Near staff dining
- Near table storage
- Adjacent to loading/receiving area

**ENVIRONMENTAL CONSIDERATIONS:**

- Compliance with State Board of Health requirements

**MISCELLANEOUS:**

- Kitchen area must be located adjacent to exterior loading dock area to receive transported food from central kitchen.



**CAPACITY:** 3 - 7 persons  
**SIZE:** Student capacity multiplied by 2.0 SF per student  
**ANCILLARY SPACES:** Student Dining CT-SD-1  
 Loading/Receiving Area CT-GS-7

**NOTES:**

**WARMING KITCHEN  
CT-FS-0**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

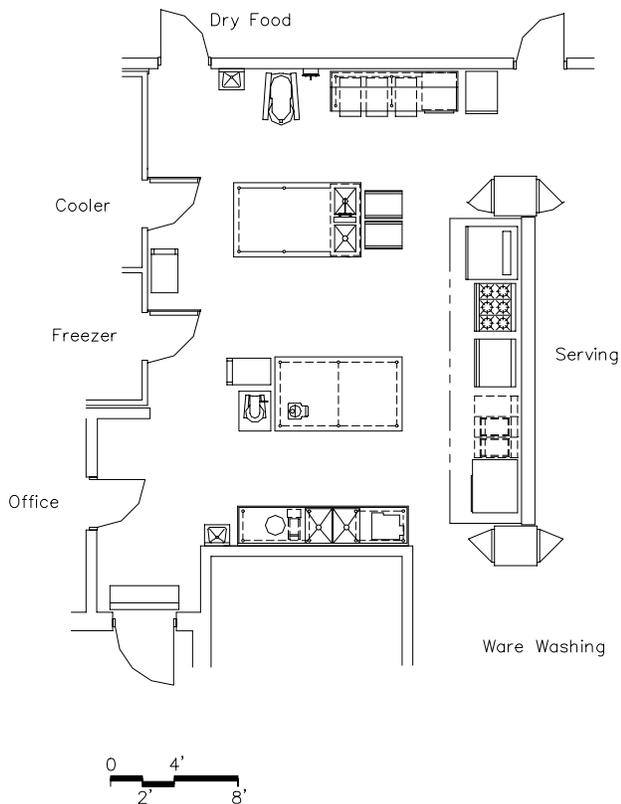
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Quarry tile	093000	Food service equipment	114000
Base:		<u>Fire Suppression:</u>	
Quarry tile base	093000	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Connections to food service eqpt.	224000
Walls:		Plumbing connections	224000/221116/221119
Epoxy-painted concrete masonry units	042000/099100	Hand washing lavatory	224000
Option: Ceramic wall tile or	093000	Gas connections	226313
latex paint	099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
N/A		Independent temperature control	230923
		Kitchen canopy exhaust system	233800
		<u>Electrical:</u>	
		Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		10 duplex receptacles	262726
		<b>Duplex receptacle at</b>	
		<b>each cash register</b>	<b>262726</b>
		Emergency lighting	265100
		Connections to food service eqpt.	262726
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		1 voice port and phone	271513/273113
		1 data port at cash register(s)	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

## KITCHEN - Preparation Area CT-FS-1a

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



#### PROGRAM ACTIVITIES:

- Space and equipment for the preparation of food for students and staff

#### SPATIAL RELATIONSHIPS:

- Adjacent to the serving area
- Near the cooler/freezer
- Near the dry food storage

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces

**CAPACITY:** 3 – 10 persons  
**SIZE:** Based on 36% of the kitchen area  
**ANCILLARY SPACES:** Part of the kitchen

#### NOTES:

1. This is an example of a preparation area. Food service equipment will vary from school district to school district.

**KITCHEN - Preparation Area  
CT-FS-1a**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

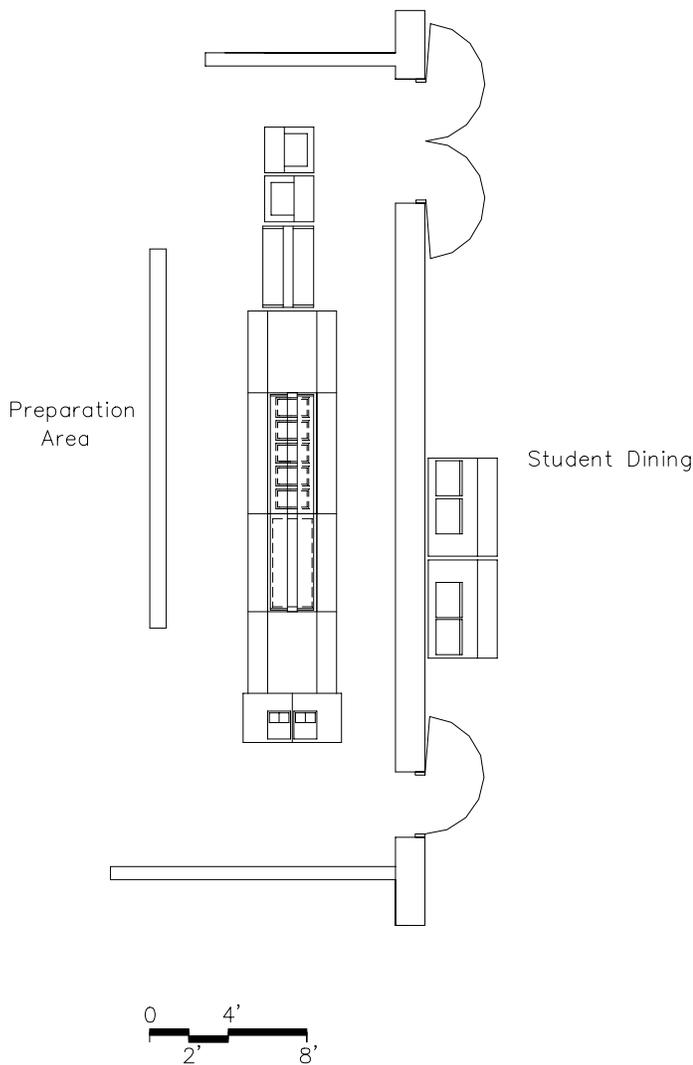
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Quarry tile	093000	Food service equipment	114000
Base:		<u>Fire Suppression:</u>	
Quarry tile base	093000	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Connections to food service equipment	224000
Walls:		Plumbing connections	224000/221116/221119
Epoxy-painted concrete masonry units	<b>042000</b> /099100	Hand washing lavatory	224000
Option: ceramic wall tile	093000	Gas connections	226313
or latex paint	099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
N/A		Independent temperature control	230923
		Kitchen canopy exhaust system	233800
		<u>Electrical:</u>	
		Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Emergency lighting	265100
		Connections to food service equipment	262726
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		1 voice port and phone	271513/273113
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

## KITCHEN - Serving Area CT-FS-1b

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



CAPACITY: N/A  
 SIZE: Based on 34% of the kitchen area  
 ANCILLARY SPACES: Part of the kitchen

#### PROGRAM ACTIVITIES:

- Space for serving of food

#### SPATIAL RELATIONSHIPS:

- Adjacent to student dining
- Adjacent to preparation area

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building services

#### NOTES:

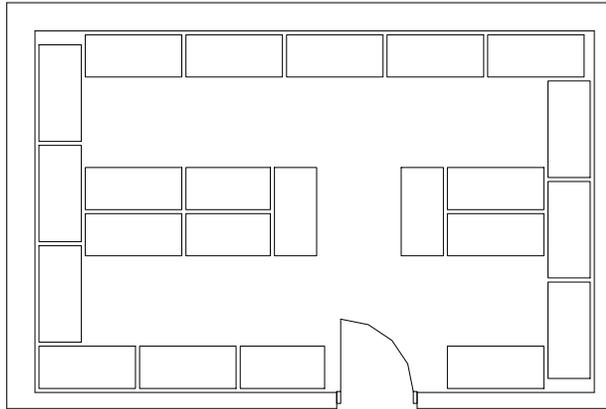
1. This is an example of a serving area. Food service equipment will vary from school district to school district.

**KITCHEN - Serving Area  
CT-FS-1b**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

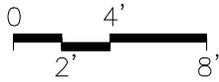
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		Fixed Equipment:	
Quarry tile	093000	Food service equipment	114000
Optional: porcelain tile			
Base:		<u>Fire Suppression:</u>	
Quarry tile base	093000	Fire suppression system	211000
Optional: porcelain tile base			
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Connections to food service equipment	224000
Walls:		<u>HVAC:</u>	
Epoxy-painted concrete masonry units	<b>042000</b> /099100	Supply/return air system	Div. 23
Ceramic wall tile	093000	<u>Electrical:</u>	
or latex paint	099100	Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
<u>LOOSE FURNISHINGS:</u>		4 duplex receptacles	262726
N/A		Connections to food service equipment	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		Duplex receptacle at each cash register	262726
		<u>Communications:</u>	
		Data port(s) at cash register(s)	271513
		Clock	275313
		Central sound system	275123
		1 voice port and phone	271513/273113
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.



Preparation Area



CAPACITY: N/A  
 SIZE: Based on 11% of the kitchen area  
 ANCILLARY SPACES: Part of the kitchen

**PROGRAM ACTIVITIES:**

- Lockable space to store dry food products and government commodities for 15 to 30 days

**SPATIAL RELATIONSHIPS:**

- Near the food preparation area
- Access to the loading/receiving area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Continuous conditioning of air
- Cleanable building surfaces

**NOTES:**

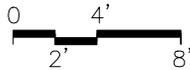
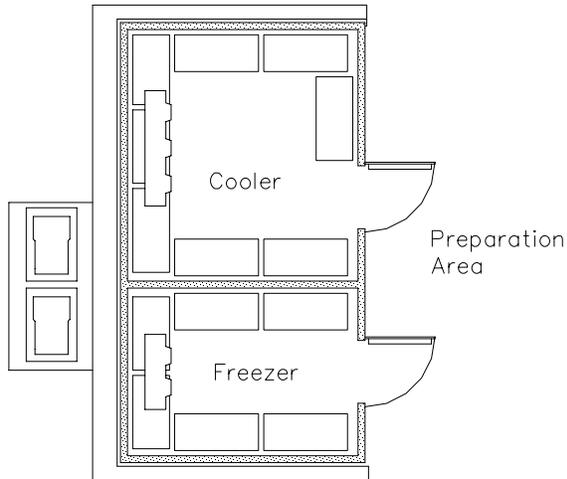
1. This is an example of a dry food storage area. Food service equipment will vary from school district to school district.

**KITCHEN - Dry Food Storage  
CT-FS-1c**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Linoleum, <b>ET</b> , or sheet vinyl	096500	Food service equipment	114000
Option: Quarry tile	093000		
	096516	<u>Fire Suppression:</u>	
Base:		Fire suppression system	211000
Resilient base	096500		
Option: Quarry tile	093000	<u>Plumbing:</u>	
		N/A	
Ceiling:		<u>HVAC:</u>	
Cleanable, suspended, acoustical	095113	Exhaust air system	Div. 23
		Supply/return air system	Div. 23
Walls:		<u>Electrical:</u>	
Epoxy-painted concrete masonry units	042000/099100	Single level switching	262726
Option: Ceramic wall tile	093000	Fluorescent lighting	265100
or latex paint	099100	Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
<u>LOOSE FURNISHINGS:</u>		<u>Communications:</u>	
N/A		N/A	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.



CAPACITY: N/A  
 SIZE: Based on 10% of the kitchen area  
 ANCILLARY SPACES: Part of the Kitchen

**PROGRAM ACTIVITIES:**

- Space for refrigerated storage of perishable products

**SPATIAL RELATIONSHIPS:**

- Adjacent to food preparation area
- Access to the loading/receiving area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Ventilation for refrigeration machinery
- Cleanable building surfaces
- Floor to be flush with adjacent kitchen floor

**NOTES:**

1. This is an example of a cooler/freezer. Food service equipment will vary from school district to school district.

**KITCHEN - Cooler/Freezer  
CT-FS-1d**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

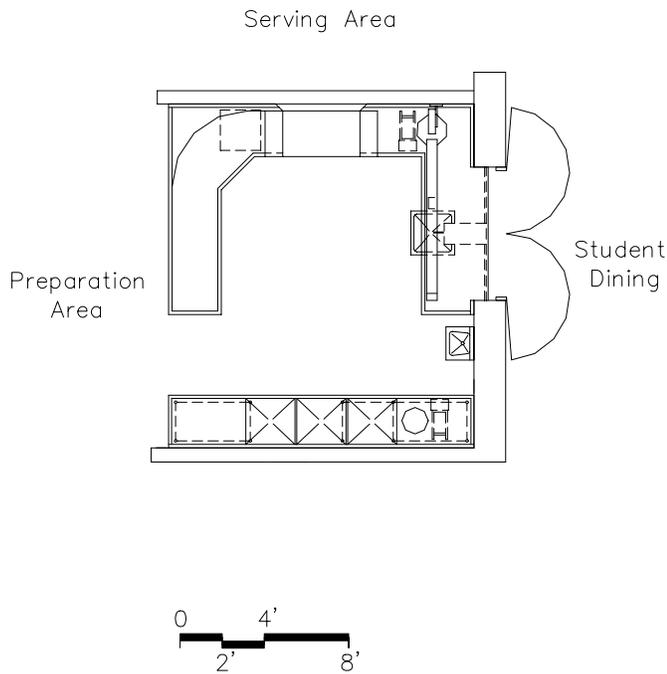
	Spec. Ref.#		Spec. Ref.#
<b><u>FINISHES<sup>1</sup>:</u></b>		<b><u>FEATURES<sup>1</sup>:</u></b>	
<b>Flooring:</b>		<b><u>Fixed Items:</u></b>	
Quarry tile	093000	Food service equipment	114000
<b>Base:</b>		<b><u>Fire Suppression:</u></b>	
Quarry tile base	093000	Fire suppression system	211000
<b>Ceiling:</b>		<b><u>Plumbing:</u></b>	
Manufactured insulated panel	114000	N/A	
<b>Walls:</b>		<b><u>HVAC:</u></b>	
Manufactured insulated panel	114000	Exhaust air system for compressors Div. 23	
<b><u>LOOSE FURNISHINGS:</u></b>		<b><u>Electrical:</u></b>	
N/A		Single level switching	262726
		Incandescent lighting	265100
		Illumination level: See Table 8600-4	
		Electrical connections to freezer/cooler refrigeration equipment	262726
		<b><u>Communications:</u></b>	
		N/A	
		<b><u>Electronic Safety and Security:</u></b>	
		N/A	
		<b><u>Miscellaneous:</u></b>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

## KITCHEN - Ware Washing CT-FS-1e

### CHAPTER 6: CAREER-TECHNICAL SCHOOL



#### PROGRAM ACTIVITIES:

- Space and equipment to scrape, wash, air dry, and store serving trays and utensils

#### SPATIAL RELATIONSHIPS:

- Adjacent to student dining

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove steam and condensation
- Cleanable building surfaces

CAPACITY: N/A  
 SIZE: Based on 9% of the kitchen area  
 ANCILLARY SPACES: Part of the kitchen

#### NOTES:

1. This is an example of a ware washing area. Food service equipment will vary from school district to school district.

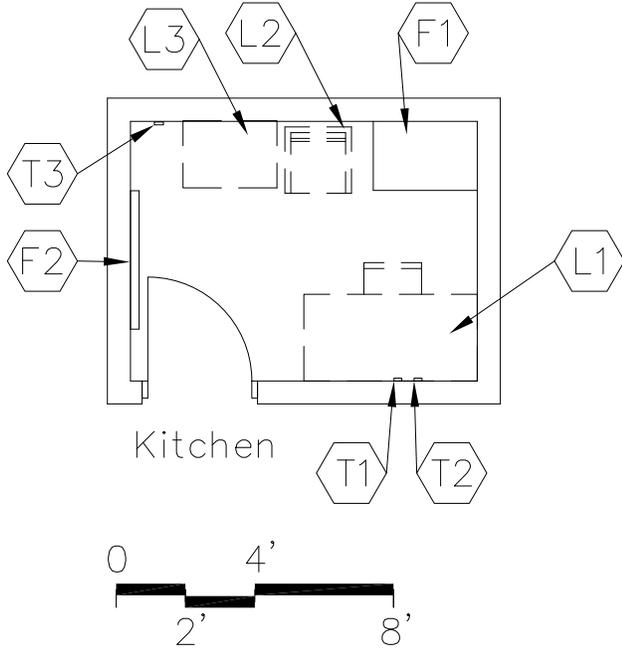
**KITCHEN - Ware Washing  
CT-FS-1e**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Quarry tile	093000	Food service equipment	114000
Base:		<u>Fire Suppression:</u>	
Quarry tile base	093000	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Lavatory	224000
Walls:		Connections to food service equipment	224000
Epoxy-painted concrete masonry units	<b>042000</b> /099100	<u>HVAC:</u>	
Option: Ceramic wall tile	093000	Supply/return air system	Div. 23
or latex paint	099100	Independent temperature control	230923
		Exhaust hood system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		Connections to food service equipment	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.



PROGRAM ACTIVITIES:

- Space for the dietician to plan menus and meet with various vendors

SPATIAL RELATIONSHIPS:

- Adjacent to kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**
- **Optional – window with integral blind**

CAPACITY: 1 - 2 persons  
 SIZE: 75 SF  
 ANCILLARY SPACES: Kitchen  
 CT-FS-1

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.

**DIETICIAN'S OFFICE  
CT-FS-2**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

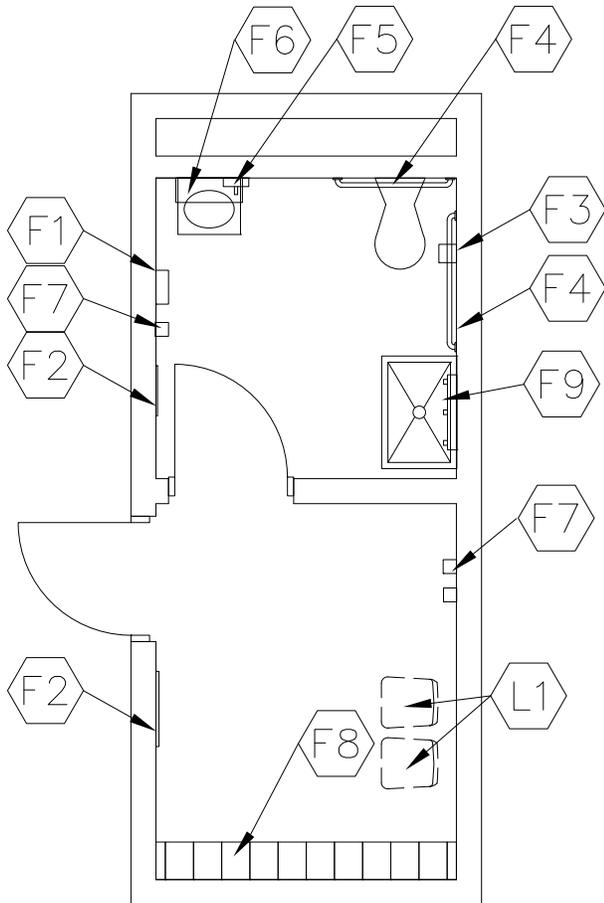
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<b>Flooring:</b>			
Linoleum, <i>ET</i> , or sheet vinyl	096500	<b>Fixed Items:</b>	
	096516	F1 2' of tall wardrobe (optional)	123550
Option: Quarry tile	093000	F2 4' of tack board	101100
<b>Base:</b>			
Resilient base	096500	<b>Fire Suppression:</b>	
Option: Quarry tile	093000	Fire suppression system	211000
<b>Ceiling:</b>			
Suspended, acoustical	095113	<b>Plumbing:</b>	
N/A			
<b>Walls:</b>			
Painted concrete masonry units	042000/099100	<b>HVAC:</b>	
		Supply/return air system	Div. 23
		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
<b>LOOSE FURNISHINGS:</b>			
L1 Desk and chair		<b>Electrical:</b>	
L2 Visitor chair		Single level switching	262726
L3 File cabinet		Fluorescent lighting	265100
Wastebasket		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
<b>Communications:</b>			
		T1 1 voice port and phone	271513/273113
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
<b>Electronic Safety and Security:</b>			
		Life safety devices per code	283111
<b>Miscellaneous:</b>			
		Interior window (optional)	081113/088000

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed equipment or loose furnishings can also be all fixed or all loose.

**RESTROOM / LOCKER ROOM  
CT-FS-3**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



CAPACITY: 2 persons  
 SIZE: 140 SF  
 ANCILLARY SPACES:

**PROGRAM ACTIVITIES:**

- Personal and health needs for food service staff

**SPATIAL RELATIONSHIPS:**

- Adjacent to **kitchen**

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
 wall minimum STC 48  
 ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

**NOTES:**

**RESTROOM / LOCKER ROOM  
CT-FS-3**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

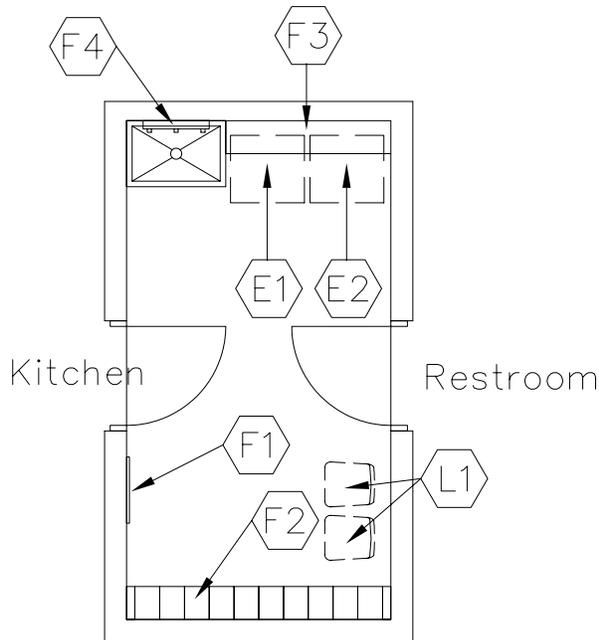
<u>FINISHES</u> <sup>1</sup> :	Spec. Ref.#	<u>FEATURES</u> <sup>1</sup> :	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum, <i>ET</i> , sheet vinyl,	096516	F1 Towel dispenser	102813
rubber, rubber tile	096500	F2 <b>2</b> , 24" x 60" mirrors	102813
Optional: quarry tile	093000	F3 Toilet tissue holder	102813
		F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
<u>Base:</u>		F6 Mirror with shelf above sink(optional)	102813
Resilient base	096500	F7 Coat hooks	102813
Optional: quarry tile, or	093000	<b>F8 Lockers 12" x 12" x 60"</b>	<b>105113</b>
integral vinyl cove base		<b>F9 Mop holder</b>	<b>102813</b>
		<u>Fire Suppression:</u>	
<u>Ceiling:</u>		Fire suppression system	211000
Suspended, acoustical	095113		
		<u>Plumbing:</u>	
<u>Walls:</u>		Wall-mounted water closet	224000
Painted concrete masonry units	042000/099100	Wall-mounted lavatory	224000
		<b>Floor service sink</b>	<b>224000</b>
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
<b>L1 Chairs</b>		Exhaust air system	Div. 23
Wastebasket		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		<b>2</b> duplex receptacles	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**LOCKER ROOM  
CT-FS-4**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



**PROGRAM ACTIVITIES:**

- Space for the food service staff to store their personal belongings and to change their clothing
- Space for the washing, drying, and storage of towels, aprons, etc.

**SPATIAL RELATIONSHIPS:**

- Adjacent to kitchen
- Adjacent to restroom

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 48**  
ceiling minimum **CAC 35, NRC 0.70**

CAPACITY: 2 persons  
 SIZE: 125 SF  
 ANCILLARY SPACES: Kitchen, CT-FS-1  
 Restroom, CT-FS-3

**NOTES:**

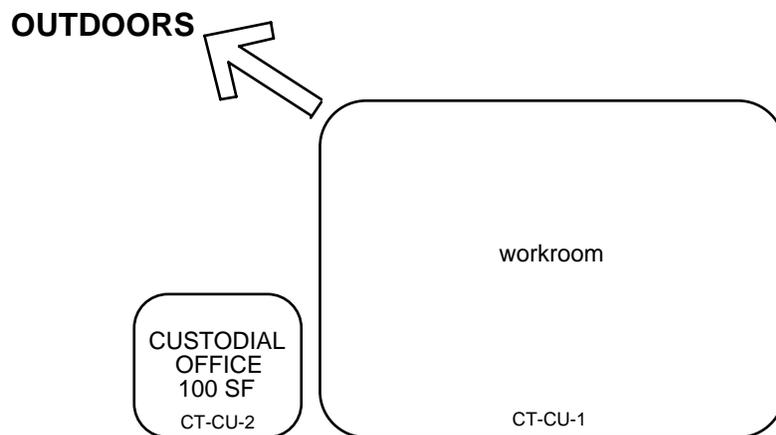
1. Loose furnishings shown represent one of many possible arrangements.

**LOCKER ROOM  
CT-FS-4**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Sheet vinyl, rubber, rubber tile, or resinous flooring	096500 096723	F1 24" x 60" mirror (optional)	102813
		F2 Lockers 12" x 12" x 60"	105113
		F3 6' of wall cabinets or shelf (optional)	123550
		F4 Mop holder	102813
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base, resinous flooring, or integral vinyl cove base	096500 096723	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical with high-impact, hold-down clips	095113	Plumbing connections	224000/221116/221119
Option: exposed, painted pre-cast units	099100	Floor service sink	224000
		Washer connection	224000
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	<b>042000/099100</b>	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		Dryer vent system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Chairs		Single level switching	262726
Wastebasket		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		Connections for washer and dryer	262726
<u>EQUIPMENT:</u>		<u>Communications:</u>	
E1 Washer		Central sound system	275123
E2 Dryer		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Provide storage cabinet for supplies if required by governing agency.	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.



## NOTES:

This is an example of how the custodial spaces in a career-technical school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

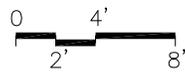
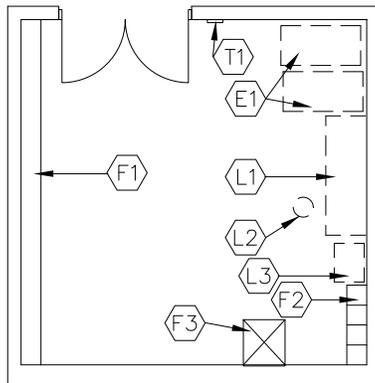
Following are the Custodial space plates:

- CT-CU-1 Workroom
- CT-CU-2 Custodial Office

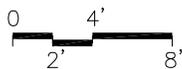
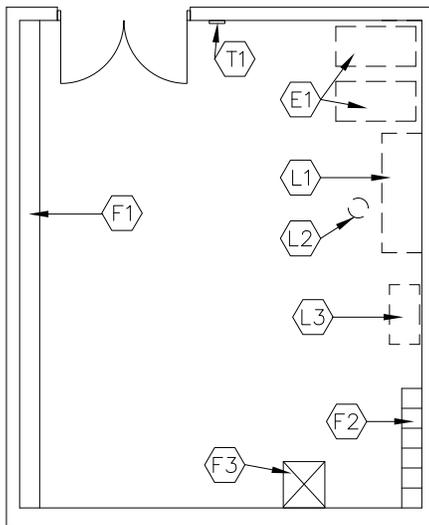
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CHAPTER 6: CAREER-TECHNICAL SCHOOL

200 SF



400 SF



CAPACITY:  
SIZE:

N/A  
200 - 400 SF

**PROGRAM ACTIVITIES:**

- Space for storage of custodial equipment needed to maintain the building
- Space for equipment repair

**SPATIAL RELATIONSHIPS:**

- Near central storage area
- Near custodial office

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting

**NOTES:**

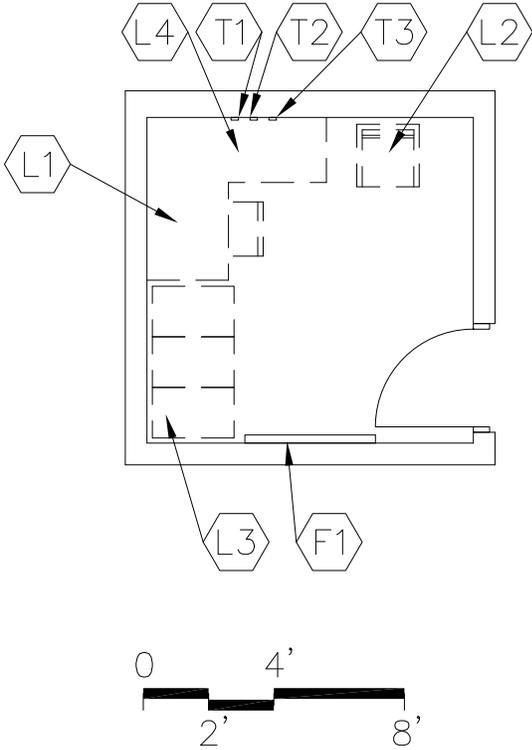
1. Loose furnishings shown represent one of many possible arrangements.

**WORKROOM  
CT-CU-1**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. <u>Ref.#</u>	<u>FEATURES<sup>1</sup>:</u>	Spec. <u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items<sup>2</sup>:</u>	
<b><i>Polished concrete finishing, or colored concrete finishing</i></b>	<b>033510 033519</b>	F1 10' - 24' of open shelving, depths can vary (fixed or loose)	123550
		F2 4 - 6 lockers	105113
		F3 Mop holder	102813
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	Floor service sink	224000
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Workbench		Fluorescent lighting	265100
L2 Stool		Illumination level: See Table 8600-4	
L3 Tool cabinet		Single level switching	262726
Waste receptacles		4 duplex receptacles (minimum)	262726
<u>EQUIPMENT:</u>		Electrical receptacles for custodial equipment	262726
E1 Recycling bins		<u>Communications:</u>	
		T1 1 voice port and phone	271513/273113
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.



**PROGRAM ACTIVITIES:**

- Office for the custodian for scheduling, ordering, and inventory

**SPATIAL RELATIONSHIPS:**

- Near custodial workroom

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
wall minimum **STC 45**  
ceiling minimum **CAC 35, NRC 0.70**

CAPACITY:  
SIZE:

N/A  
100 SF

**NOTES:**

1. Loose furnishings shown represent one of many possible arrangements.

**CUSTODIAL OFFICE  
CT-CU-2**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

	Spec. Ref.#		Spec. Ref.#
<b><u>FINISHES<sup>1</sup>:</u></b>		<b><u>FEATURES<sup>1</sup>:</u></b>	
<b>Flooring:</b>		<b><u>Fixed Items:</u></b>	
Linoleum,	096500	F1 4' of tack board (optional)	101100
ET, sheet vinyl, or	096516		
polished concrete finishing, or	033510	<b><u>Fire Suppression:</u></b>	
colored concrete finishing	033519	Fire suppression system	211000
<b>Base:</b>		<b><u>Plumbing:</u></b>	
Resilient base	096500	N/A	
<b>Ceiling:</b>		<b><u>HVAC:</u></b>	
Suspended, acoustical	095113	Supply/return air system	Div. 23
		Independent temperature control	230923
		(coupled with similarly loaded	
		adjacent spaces)	
<b>Walls:</b>		<b><u>Electrical:</u></b>	
Painted concrete masonry units	042000/099100	Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		data and modem port	262726
<b><u>LOOSE FURNISHINGS:</u></b>		<b><u>Communications:</u></b>	
L1 Desk and chair		T1 Modem port for temperature	
L2 Visitor chair		controls computer	271523
L3 File cabinets		T2 1 voice port and phone	271513/273113
L4 Computer desk return		T3 1 data port near workstation	271513
Wastebasket		Central sound system	275123
		Clock	275313
		<b><u>Electronic Safety and Security:</u></b>	
		Life safety devices per code	283111
		<b><u>Miscellaneous:</u></b>	
		Interior window (optional)	081113/088000

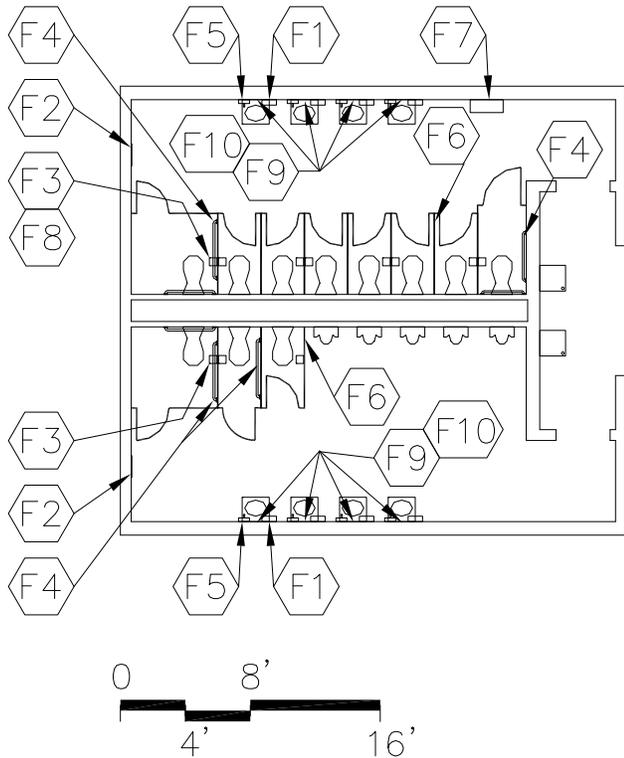
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

## LARGE GROUP RESTROOMS CT-GS-1

### CHAPTER 6: CAREER-TECHNICAL SCHOOL

**Spaces to be determined by Design Professional based on the number of fixtures required.**



**CAPACITY:** Based on size of program area  
**SIZE:** Based on the sum of the program areas excluding building services, multiplied by 3.5%

#### PROGRAM ACTIVITIES

- Personal and health needs for the general public
- Groups of restrooms should be located in several areas throughout the building

#### SPATIAL RELATIONSHIPS:

- Near student dining area
- Near public use areas, such as media center and gymnasium
- Near academic core area

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control  
 wall minimum STC 53  
 ceiling minimum CAC 35, NRC **0.70**

#### NOTES:

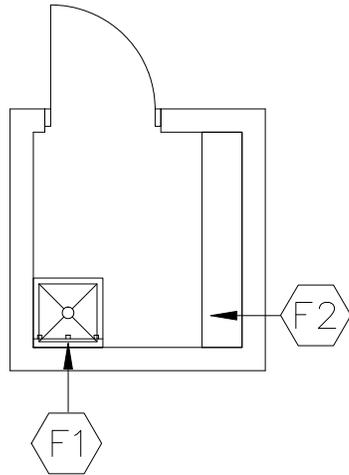
1. Where individual restrooms are provided in lieu of large group restrooms, refer to H-BS-10.

**LARGE GROUP RESTROOMS  
CT-GS-1**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Ceramic mosaic tile	093000	F1 Towel dispensers	102813
Optional: porcelain tile, rubber, or resinous flooring	093000 096723	F2 24" x 60" mirror	102813
		F3 Toilet tissue holders	102813
		F4 36" and 42" grab bar	102813
<u>Base:</u>		F5 Soap dispensers	102813
Ceramic mosaic tile base	093000	F6 Toilet partitions	102113
Optional: structural glazed tile, porcelain tile base, or resinous flooring	096616 093000 096723	F7 Sanitary product dispenser	102813
		F8 Sanitary product receptacles	102813
		F9 16" x 24" mirrors with shelf (optional)	102813
		F10 Shelves (optional)	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Option: Abuse resistant gypsum wallboard	092116		
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry unit	042000/099100	Wall-mounted water closets	224000
		Wall-mounted urinals	224000
		Wall-mounted lavatories or wash fountains	224000
		Wall hydrants	224000
		Plumbing connections	224000/221116/221119
		Floor drains	Div. 22
		Drinking water cooler	224000
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Waste Receptacles		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		Emergency lighting	265100
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Optional: electric hand dryers



**PROGRAM ACTIVITIES:**

- Space for storage of custodial supplies throughout the building

**SPATIAL RELATIONSHIPS:**

- Near large group restrooms

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting

CAPACITY:  
SIZE:

N/A  
50 SF

NOTES:

**CUSTODIAL CLOSET  
CT-GS-2**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Cure and seal concrete	033000	F1 Mop holder	102813
		F2 Fixed or loose shelving (optional)	123550
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Service sink or floor drain sink	224000
Walls:		Plumbing connections	224000/221116/221119
Painted concrete masonry units	042000/099100	<u>HVAC:</u>	
		Exhaust air system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
Shelving (optional)		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

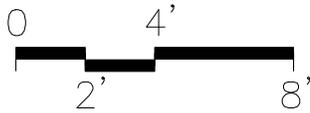
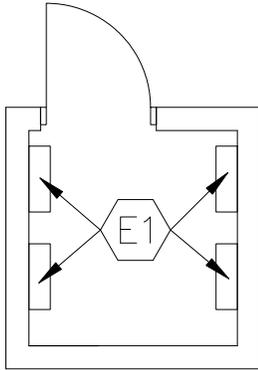
**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**ELECTRICAL CLOSET  
CT-GS-3**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

**Space to be determined by  
Design Professional.**



CAPACITY:  
SIZE:

N/A  
50 SF

**PROGRAM ACTIVITIES:**

- Space for electrical wiring and panels

**SPATIAL RELATIONSHIPS:**

N/A

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting

**NOTES:**

**ELECTRICAL CLOSET  
CT-GS-3**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

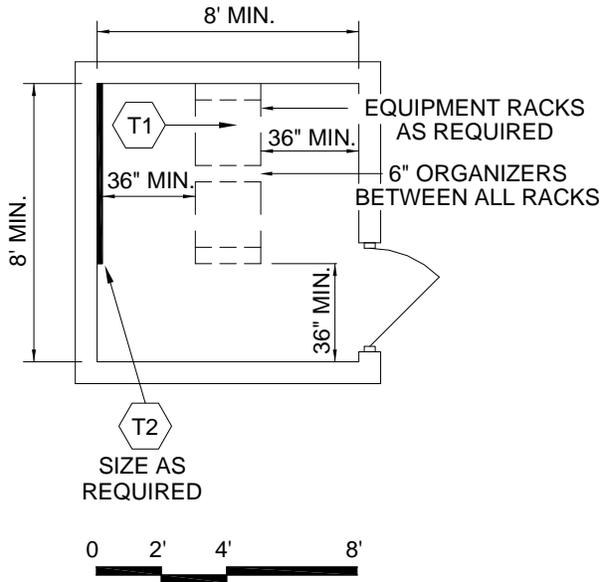
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b><i>Cure and seal</i></b> concrete	033000	N/A	
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure	---	N/A	
Walls:		<u>HVAC:</u>	
Unpainted concrete masonry units	042000	To be determined by Design Professional	
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-10	
		1 duplex receptacle	262726
		E1 Electrical switchboard	262413/262416
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**TELECOMMUNICATIONS ROOM  
CT-GS-4**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



**PROGRAM ACTIVITIES:**

- Space for technology needs

**SPATIAL RELATIONSHIPS:**

N/A

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting

CAPACITY:	N/A
SIZE:	64 SF
0-75,000 SF =	(?) 8 ft. x 8 ft. min.
75,00-150,000 SF =	(1) 8 ft. x 10 ft., and (?) 8 ft. x 8 ft.
150,000 SF plus =	(2) 8 ft. x 10 ft., and (?) 8 ft. x 8 ft.

**NOTES:**

1. This is an example of a telecommunications room. The equipment and layout will vary from school district to school district.

**TELECOMMUNICATIONS ROOM  
CT-GS-4**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

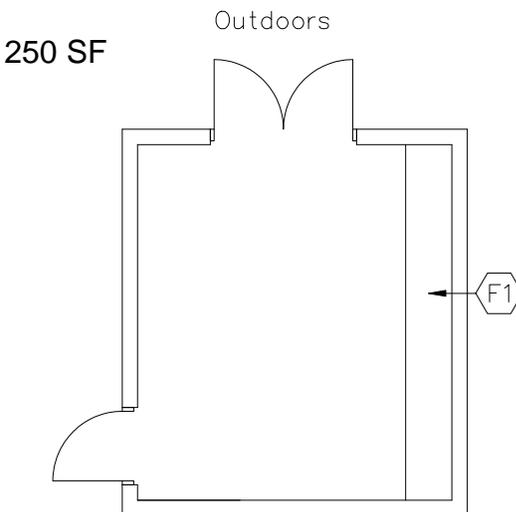
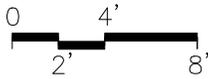
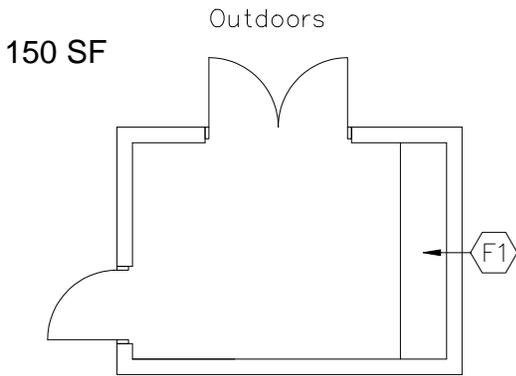
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<i>Polished concrete finishing, or</i>	<b>033510</b>	N/A	
<i>colored concrete finishing</i>	<b>033519</b>		
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure	---	N/A	
Walls:		<u>HVAC:</u>	
Unpainted concrete masonry units	042000	Exhaust air system	Div. 23
<u>LOOSE FURNISHINGS</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		Receptacles for data equipment	262726
		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
		T1 Technology equipment	
		Central sound system	275123
		Telephone Wiring	271313/271513
		Integrated Telephone System	273113
		Video Wiring	271333/271533/271543
		Digital on Demand Delivery System	274125
		Local Area Network Wiring	271513/271323
		Local Area Network Electronics	272100
		Grounding & Infrastructure Equipment	270526/271100
		T2 1/4" plywood back board	271313
		<u>Electronic Safety and Security:</u>	
		Security System	281300/281600/282300
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.

**STORAGE AREA  
CT-GS-5**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**



CAPACITY: N/A  
 SIZE: 150 - 500 SF

**PROGRAM ACTIVITIES:**

- Space for storage of outdoor custodial equipment

**SPATIAL RELATIONSHIPS:**

- Near custodial office
- Near custodial workroom
- Direct access to outdoors

**ENVIRONMENTAL CONSIDERATIONS:**

N/A

**NOTES:**

**STORAGE AREA  
CT-GS-5**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

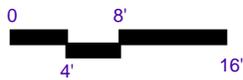
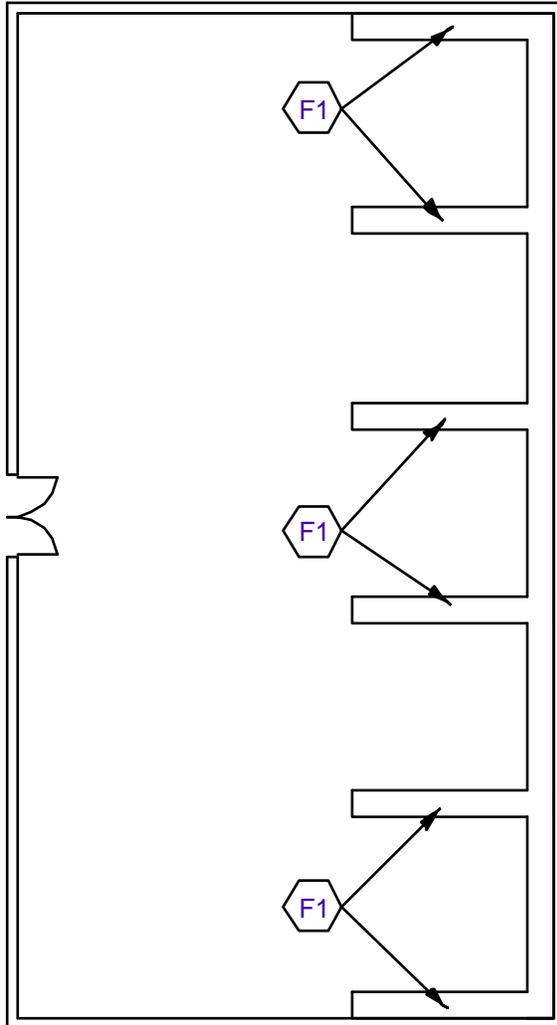
<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items<sup>2</sup>:</u>	
<b>Cure and seal</b> concrete	033000	F1 8'-20' of open shelving , depths may vary (fixed or loose)	123550
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure	---	N/A	
Walls:		<u>HVAC:</u>	
Unpainted concrete masonry units	042000	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		Duplex receptacles	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

**NOTES:**

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**CENTRAL STORAGE / DISTRIBUTION CENTER**  
**CT-GS-6**

CHAPTER 6: CAREER-TECHNICAL SCHOOL



CAPACITY: N/A  
 SIZE: 1000 - 1667 SF

**PROGRAM ACTIVITIES:**

- Storage for paper products, utensils, supplies, etc., to be used throughout the entire building

**SPATIAL RELATIONSHIPS:**

- Near loading/receiving area
- Direct access to building circulation

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting

NOTES:

**CENTRAL STORAGE / DISTRIBUTION AREA  
CT-GS-6**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES</u> <sup>1</sup> :	Spec. Ref.#	<u>FEATURES</u> <sup>1</sup> :	Spec. Ref.#
Flooring:		<u>Fixed Items</u> <sup>2</sup> :	
<b>Cure and seal</b> concrete	033000	F1 26' - 32' of open shelving (total), depths may vary (fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
No base			
Ceiling:		<u>Fire Suppression:</u>	
Exposed structure	---	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Unpainted concrete masonry units	042000	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
N/A		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		Duplex receptacles	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

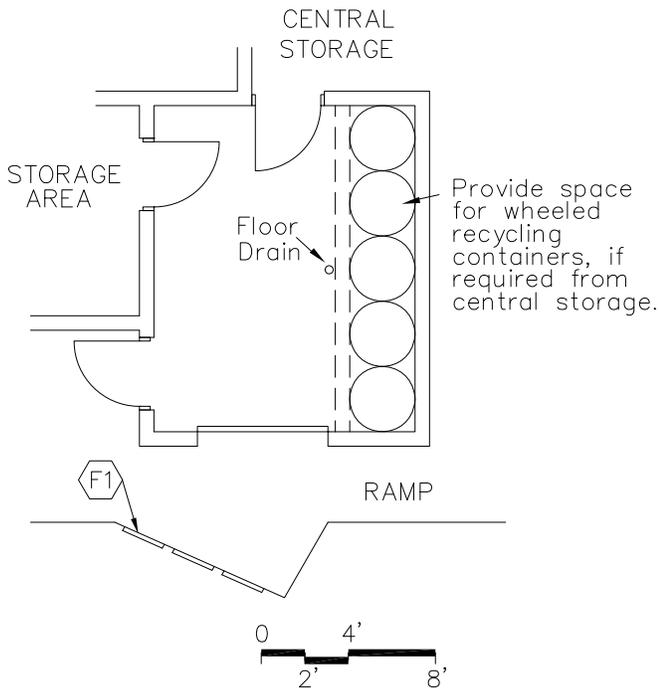
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**LOADING/RECEIVING/WAREHOUSE AREA  
CT-GS-7**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

**Recycling space to be determined by Design Professional.**



**PROGRAM ACTIVITIES:**

- Delivery of materials and goods to be used throughout the building

**SPATIAL RELATIONSHIPS:**

- Near food service spaces
- Near central storage area
- Near mechanical room
- Adjacent to loading dock

**ENVIRONMENTAL CONSIDERATIONS:**  
N/A

**MISCELLANEOUS:**

- Refer to Chapter 3, Section 3201, for site vehicular circulation requirements

**CAPACITY:** N/A  
**SIZE:** 120 SF

**NOTES:**

1. If local collection agency allows co-mingling of materials, a recycling alcove may not be needed. Design team should meet the LEED intent when designing the recycling area.

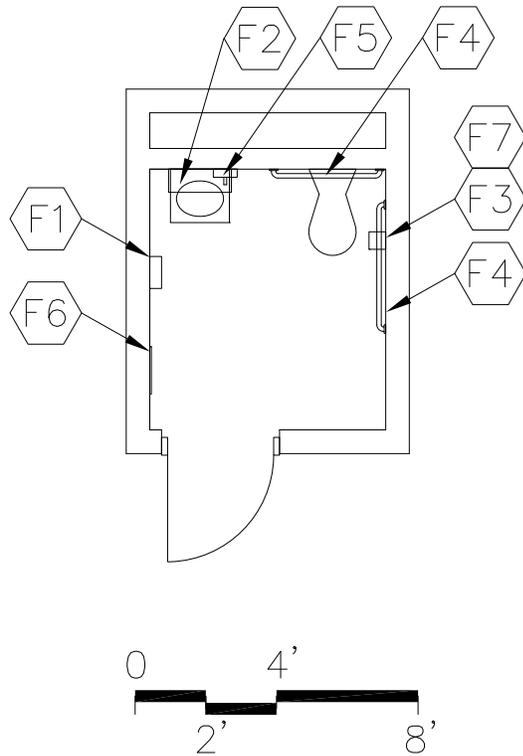
**LOADING/RECEIVING/WAREHOUSE AREA**  
**CT-GS-7**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES</u> <sup>1</sup> :	Spec. Ref.#	<u>FEATURES</u> <sup>1</sup> :	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Cure and seal concrete	033000	F1 Loading dock leveler and dock bumpers	111300
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure		N/A	
Walls:		<u>HVAC:</u>	
<i>Epoxy-painted</i> concrete masonry units	042000 / 099100	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		Duplex receptacles	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



CAPACITY: 1 person  
 SIZE: 50 SF  
 ANCILLARY SPACES:

**PROGRAM ACTIVITIES:**

- Personal and health needs for the building occupants

**SPATIAL RELATIONSHIPS:**

- Near academic area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control -  
 wall minimum **STC 48**  
 ceiling minimum **CAC 35, NRC 0.70**
- Moisture- and stain-resistant finishes

**NOTES:**

1. Separate restrooms must be provided for male and female students

**RESTROOM  
CT-GS-8**
**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

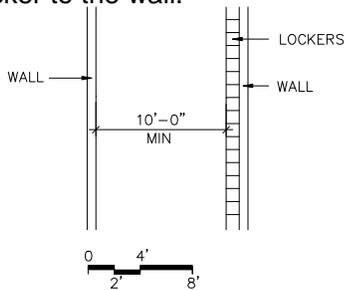
	Spec. Ref.#		Spec. Ref.#
<b><u>FINISHES<sup>1</sup>:</u></b>		<b><u>FEATURES<sup>1</sup>:</u></b>	
<b>Flooring:</b>		<b><u>Fixed Items:</u></b>	
Linoleum, <i>ET</i> , sheet vinyl, or rubber	096516 096500	F1 Towel dispenser	102813 102813
Optional: quarry tile, or resinous flooring	093000 096723	F2 Mirror with shelf above sink(optional)	102813
		F3 Toilet tissue holder	102813
		F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
<b>Base:</b>		F6 Sanitary product dispenser	102813
Resilient base	096500	F7 Sanitary product receptacle	102813
Optional: quarry tile, resinous flooring, or integral vinyl cove base	093000 096723		
		<b><u>Fire Suppression:</u></b>	
		Fire suppression system	211000
<b>Ceiling:</b>		<b><u>Plumbing:</u></b>	
Suspended, acoustical	095113	Wall-mounted water closet	224000
		Wall-mounted lavatory	224000
<b>Walls:</b>		Plumbing connections	224000/221116/221119
Painted concrete masonry units	042000/099100		
		<b><u>HVAC:</u></b>	
		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<b><u>LOOSE FURNISHINGS:</u></b>		<b><u>Electrical:</u></b>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-10	
		1 duplex receptacle	262726
		<b><u>Communications:</u></b>	
		Central sound system	275123
		<b><u>Electronic Safety and Security:</u></b>	
		Life safety devices per code	283111
		<b><u>Miscellaneous:</u></b>	
		N/A	

**NOTES:**

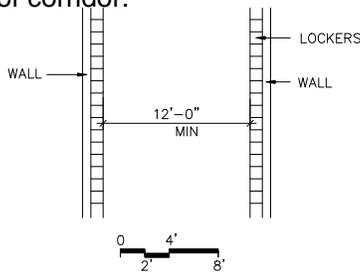
1. Finishes/Features: Refer to Chapter 9 for specification references.
2. F6 and F7 required for female restroom only.

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

- Corridors shall be a minimum of 8 feet wide if no lockers are located in the corridor.
- Corridors shall be a minimum of 10 feet wide if lockers are located on one side of the corridor. The corridor width is from the face of the locker to the wall.



- Corridors shall be a minimum of 12 feet wide if lockers are located on each side of the corridor. The corridor width is from the face of the locker to the face of locker on opposite side of corridor.



- Instructional and activity areas shall be accessible by corridors without passing through another instructional or activity area.
- The corridors are to meet the existing requirements of applicable codes
- Stairs, ramps, and elevators are included under the corridor category.
- It is recommended that stairs in multi-story buildings not be enclosed unless required by code.

CAPACITY: Based on size of program area  
 SIZE: See Chapter 2

**PROGRAM ACTIVITIES:**

- Circulation space

**SPATIAL RELATIONSHIPS:**

N/A

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting

**VESTIBULES**

- Area of vestibules to be included within area allotted for corridors.
- Width of vestibules can be no less than minimum width of adjacent corridor.
- Minimum corridor length to be 8'-0" between doors.
- Vestibules are to be provided at major entrances/exits and may be eliminated at minor entrances/exits as determined by the Design Professional.
- Provide automatic door operator on one leaf of main entrance/exit door and related vestibule door.
- Provide **a five-step or fifteen foot walk off mat** extending from main outside entry doors into the building and as wide as the entry doors.
- **Option – entrance floor grilles. See Chapter 9, Section 124816.**

NOTES:

**CORRIDORS**  
**CT-BS-1**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
<u>Flooring<sup>2</sup>:</u>		<u>Fixed Items:</u>	
Linoleum, ET, sheet vinyl	096516	Corridor lockers	105113
<b>porcelain tile, epoxy terrazzo,</b>	096500	Fire extinguishers and cabinets	104400
<b>carpet, or carpet tile</b>	<b>096813</b>	Recessed vinyl floor mats or	
	<b>096816</b>	surface mats	124813
		Tack board or tackable wall surface	101100
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	N/A	
Optional: structural glazed tile	042000		
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	Drinking water coolers	224000
Option in vestibules: Abuse resistant			
gypsum wallboard	092113	<u>HVAC:</u>	
		Supply/return air system	Div. 23
<u>Walls:</u>		Temperature control from	
Painted concrete masonry units		adjacent instructional spaces	230923
	042000/099100	<u>Electrical:</u>	
<u>LOOSE FURNISHINGS:</u>		Dual level switching	262726
Recycling bins and waste receptacles		Fluorescent lighting	265100
Fixed or loose benches		illumination level: See Table 8600-4	
		Duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each video port	262726
		Means of egress lighting per code	265100
		Emergency lighting	265100
<u>NOTE: At entries adjacent to dining/ commons area, match dining/commons flooring.</u>		<u>Communications:</u>	
		Video ports	271533/271543
		Data ports	271523
		Pay phone terminals	271513/273113
		Central sound system	275123
		Clocks	275313
		Wireless access points	271523/272100/272133
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		Security System	281300/281600/282300
		<u>Miscellaneous:</u>	
		Display cases and Directory	

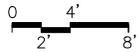
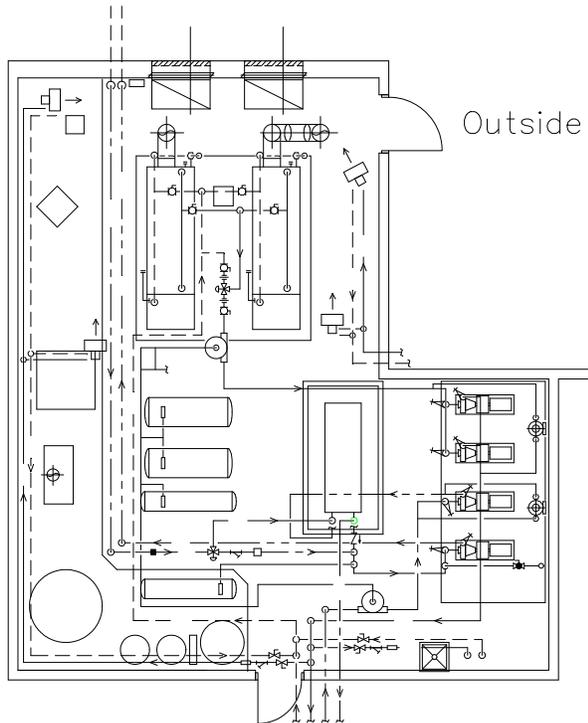
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Linoleum, VET, or sheet vinyl is to be used in vestibules, stairwells, and elsewhere as appropriate.

**MECHANICAL/ELECTRICAL SPACE/DECKS**  
**CT-BS-2**

**CHAPTER 6: CAREER-TECHNICAL SCHOOL**

**Space to be determined by  
Design Professional.**



**CAPACITY:** Based on size of program area

**SIZE:** Based on the sum of the program areas  
excluding building services, multiplied by 6.9%

**PROGRAM ACTIVITIES:**

- Space for mechanical and electrical equipment

**SPATIAL RELATIONSHIPS:**

- Accessible for maintenance and repair
- Access to outside
- Isolate from main area of building
- Near loading/receiving area
- Near custodial area

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control  
wall minimum **STC 60**  
ceiling minimum **CAC 35, NRC 0.70**

**NOTES:**

1. This is an example of a mechanical room. The equipment and layout will vary depending upon the heating, ventilating, and air conditioning system used.
2. A penthouse is considered a mechanical room.

**MECHANICAL/ELECTRICAL SPACE/DECKS**  
**CT-BS-2**

## CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES<sup>1</sup>:</u>	Spec. Ref.#	<u>FEATURES<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
<b>Cure and seal</b> concrete	033000	To be determined by Design Professional	
Base:		<u>Fire Suppression:</u>	
No base		To be determined by Design Professional	
Ceiling:		<u>Plumbing:</u>	
Exposed structure	---	To be determined by Design Professional	
Walls: (note 2)		<u>HVAC:</u>	
Unpainted concrete masonry units	042000	To be determined by Design Professional	
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		Others as determined by Design Professional	
		<u>Communications:</u>	
		Central sound system	275123
		Voice port and phone	271513/273113
		<u>Electronic Safety and Security:</u>	
		To be determined by Design Professional	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Option for penthouse to use metal panel on concrete masonry or metal panel on metal framing wall systems.