

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.

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

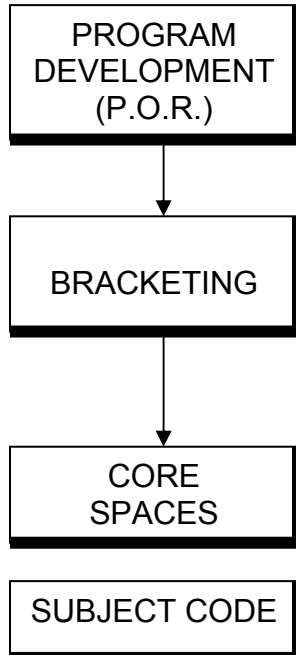
The location of overhead projectors in ceilings of spaces where required shall be carefully determined in relation to the projection surface.

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 or astronomical time clock to comply with ASHRAE 90.1. to automatically turn lighting off when sufficient daylight is available.



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.

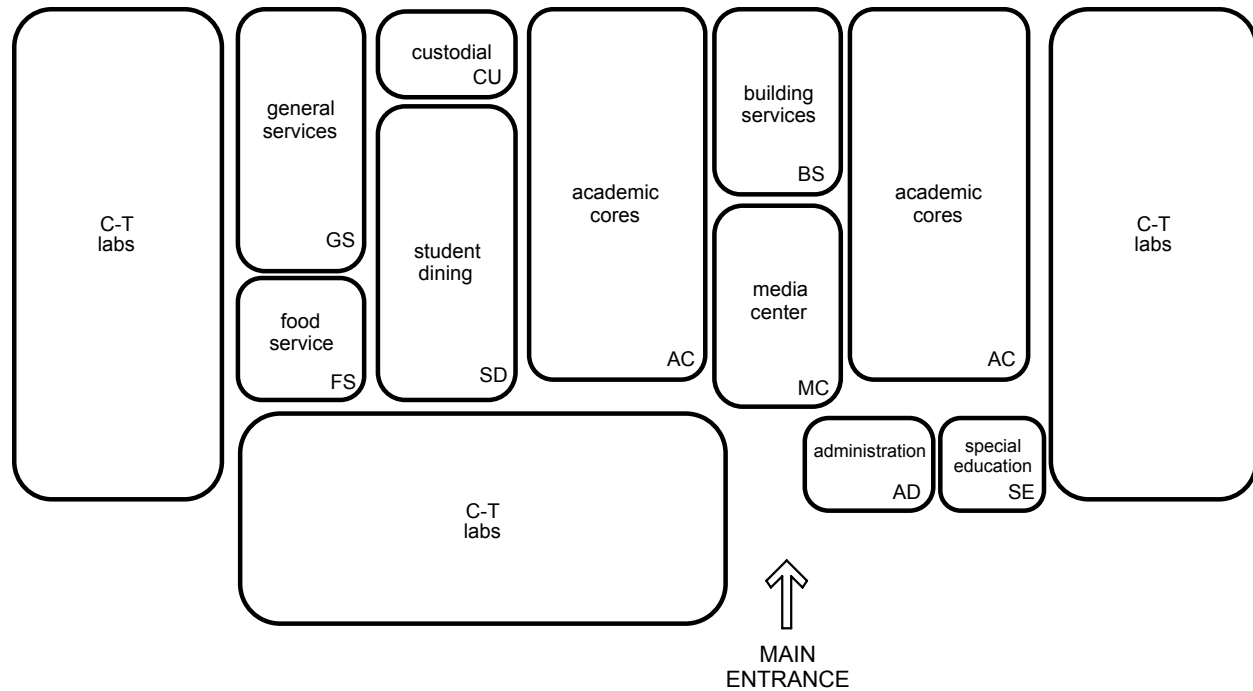
SUBJECT CODE	PROGRAM TYPE	PROGRAM	PAGE NUMBER
14.0100	1	Accounting	6311-7
04.1900	5	Acquisition and Logistics	6315-7
14.0300	1	Administrative/Office Technology	6311-8
01.0301	5	Agribusiness and Production Systems	6315-8
01.0201	6	Agriculture / Industrial Equipment	6316-7
17.0401	7	Aircraft Maintenance	6317-7
01.0901	7	Animal Science and Management (Equine)	6317-11
01.0901	4	Animal Science and Management (small animal)	6314-7
17.0200	5	Appliance Repair	6315-9
04.0115	4	Arts and Communications - Media Arts Pathway-Digital TV/Video	6314-53
04.0115	4	Arts and Communications - Media Arts Pathway-Journalism	6314-53
04.0115	4	Arts and Communications - Performing Arts Pathway-Dance	6314-51
04.0115	4	Arts and Communications - Performing Arts Pathway-Music	6314-51
04.0115	4	Arts and Communications - Performing Arts Pathway-Theater	6314-51
17.0301	6	Auto Collision Repair	6316-10
17.0303	5	Auto Specialization	6315-10
17.0302	6	Auto Technology	6316-12
17.0370	1	Automation and Robotics	6311-13
17.0400	1	Aviation Occupations	6311-9
07.4850	2	Biotechnology	6312-7
17.1011	5	Building & Property Maintenance	6315-12
17.1017	5	Building Technology	6315-12
14.0800	1	Business Management	6311-10
17.1001	6	Carpentry	6316-16
17.2000	2	Chemical Laboratory Assisting	6312-8
17.1817	1	Civil Engineering & Architecture	6311-12
17.0700	3	Commercial Art Occupations	6313-7
17.0900	3	Commercial Photography Occupations	6313-9
07.0906	2	Community Health Aide	6312-9
17.1816	1	Computer Integrated Manufacturing	6311-12
17.1805	6	Construction - Design/Build	6316-19
17.1806	6	Construction - Management	6316-19
17.2602	4	Cosmetology	6314-14
17.2802	4	Criminal Justice	6314-20
17.2815	2	Criminal Science Technology	6312-8
09.0203	4	Culinary Arts and Food Service Management	6314-23
17.1100	5	Custodial Services	6315-14
07.0101	4	Dental Assistant	6314-26
07.0103	2	Dental Laboratory Technology	6312-10
07.4820	4	Diagnostic Pathway	6314-49
07.9960	1	Diversified Cooperative Health Occupations	6311-11
07.0998	4	Diversified Health Occupations	6314-29
17.1300	1	Drafting Occupations	6311-12
09.0201	3	Early Childhood Education and Care	6313-13
04.0820	3	E-Commerce Marketing	6313-27
17.1002	5	Electrical Trades	6315-15
17.1503	1	Electronics	6311-13
17.2811	2	Emergency Medical Technician	6312-11
17.1807	6	Engineering Technologies - Design	6316-21
17.1815	6	Engineering Technologies - Emerging	6316-21
17.1808	6	Engineering Technologies - Process	6316-21
17.1809	6	Engineering Technologies - Product/Service	6316-21

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

SUBJECT CODE	PROGRAM TYPE	PROGRAM	PAGE NUMBER
04.0115	1	Entertainment Marketing	6311-14
17.0100	5	Environmental Controls Technologies	6315-16
07.0410	2	Exercise Science/Sports & Recreation Health Care	6312-12
14.0110	1	Financial Services	6311-15
17.2801	4	Fire Fighter Training	6314-31
01.1001	6	Food Science and Technology	6316-23
17.1818	1	Fuel Cell Technologies	6311-12
17.1900	3	Graphics Occupations	6313-21
17.0403	3	Ground Operations	6313-23
07.4890	2	Health Informatics Pathway	6312-14
07.4840	2	Health Support Pathway	6312-13
07.0913	2	Health Unit Coordinator	6312-14
17.1003	5	Heavy Equipment Operations (Construction)	6315-17
07.0307	2	Home Health	6312-9
01.0601	6	Horticulture	6316-27
04.1118	1	Hospitality and Tourism	6311-16
09.0205	3	Hotels and Resorts	6313-25
17.2004	2	Industrial Laboratory Assisting	6312-8
17.1012	5	Industrial Maintenance & Repair Occupations	6315-18
14.0210	1	Information Support & Services	6311-17
14.0240	1	Interactive Media	6311-17
17.1005	5	Interior Design and Application	6315-19
14.0310	1	Legal Office Management	6311-8
17.2303	5	Manufacturing Occupations	6315-20
17.0802	5	Marine Maintenance	6315-21
04.0810	3	Marketing Management and Research	6313-28
04.0830	3	Marketing Technology	6313-28
17.1004	5	Masonry	6315-11
17.1819	6	Materials Joining Technologies	6316-21
07.0904	4	Medical Assistant	6314-33
07.0203	2	Medical Laboratory Technology	6312-8
14.0320	1	Medical Office Management	6311-18
17.1200	6	Medium/Heavy Truck Technician	6316-29
01.0701	5	Natural Resource Management	6315-22
14.0220	1	Network Systems	6311-17
07.0303	4	Nurse Assisting	6314-36
07.0603	4	Optometric Occupations	6314-40
07.0994	4	Patient Care Technician	6314-42
07.0912	2	Pharmacy Assisting	6312-7
17.2700	5	Plastics Occupations	6315-23
17.1007	5	Plumbing & Pipefitting	6315-24
17.3100	5	Power Equipment Technology	6315-25
17.1402	5	Power Transmission	6315-26
07.0302	2	Practical Nursing	6312-15
17.2302	6	Precision Machining	6312-33
14.0230	1	Programming & Software Development	6311-17
04.0840	3	Sports Marketing	6313-28
07.0305	4	Surgical Technology	6314-45
17.1504	1	Telecommunications	6311-19
07.4830	2	Therapeutic Pathway	6312-13
17.2306	5	Welding & Cutting	6315-28
17.3601	6	Wood Product Technologies	6316-39

SUBJECT CODE	PROGRAM TYPE	PROGRAM	PAGE NUMBER
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	6315-22
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
04.0115	4	Arts and Communications - Media Arts Pathway-Digital TV/Video	6314-53
04.0115	4	Arts and Communications - Media Arts Pathway-Journalism	6314-53
04.0115	4	Arts and Communications - Performing Arts Pathway-Dance	6314-51
04.0115	4	Arts and Communications - Performing Arts Pathway-Music	6314-51
04.0115	4	Arts and Communications - Performing Arts Pathway-Theater	6314-51
04.0115	1	Entertainment Marketing	6311-14
04.0810	3	Marketing Management and Research	6313-28
04.0820	3	E-Commerce Marketing	6313-27
04.0830	3	Marketing Technology	6313-28
04.0840	3	Sports Marketing	6313-28
04.1118	1	Hospitality and Tourism	6311-16
04.1900	5	Acquisition and Logistics	6315-7
07.0101	4	Dental Assistant	6314-26
07.0103	2	Dental Laboratory Technology	6312-10
07.0203	2	Medical Laboratory Technology	6312-8
07.0302	2	Practical Nursing	6312-15
07.0303	4	Nurse Assisting	6314-36
07.0305	4	Surgical Technology	6314-45
07.0307	2	Home Health	6312-9
07.0410	2	Exercise Science/Sports & Recreation Health Care	6312-12
07.0603	4	Optometric Occupations	6314-40
07.0904	4	Medical Assistant	6314-33
07.0906	2	Community Health Aide	6312-9
07.0912	2	Pharmacy Assisting	6312-7
07.0913	2	Health Unit Coordinator	6312-14
07.0994	4	Patient Care Technician	6314-42
07.0998	4	Diversified Health Occupations	6314-29
07.4820	4	Diagnostic Pathway	6314-49
07.4830	2	Therapeutic Pathway	6312-13
07.4840	2	Health Support Pathway	6312-13
07.4850	2	Biotechnology	6312-7
07.4890	2	Health Informatics Pathway	6312-14
07.9960	1	Diversified Cooperative Health Occupations	6311-11
09.0201	3	Early Childhood Education and Care	6313-13
09.0203	4	Culinary Arts and Food Service Management	6314-23
09.0205	3	Hotels and Resorts	6313-25
14.0100	1	Accounting	6311-7
14.0110	1	Financial Services	6311-15
14.0210	1	Information Support & Services	6311-17
14.0220	1	Network Systems	6311-17
14.0230	1	Programming & Software Development	6311-17
14.0240	1	Interactive Media	6311-17
14.0300	1	Administrative/Office Technology	6311-8
14.0310	1	Legal Office Management	6311-8
14.0320	1	Medical Office Management	6311-18

SUBJECT CODE	PROGRAM TYPE	PROGRAM	PAGE NUMBER
14.0800	1	Business Management	6311-10
17.0100	5	Environmental Controls Technologies	6315-16
17.0200	5	Appliance Repair	6315-9
17.0301	6	Auto Collision Repair	6316-10
17.0302	6	Auto Technology	6316-12
17.0303	5	Auto Specialization	6315-10
17.0370	1	Automation and Robotics	6311-13
17.0400	1	Aviation Occupations	6311-9
17.0401	7	Aircraft Maintenance	6317-7
17.0403	3	Ground Operations	6313-23
17.0700	3	Commercial Art Occupations	6313-7
17.0802	5	Marine Maintenance	6315-21
17.0900	3	Commercial Photography Occupations	6313-9
17.1001	6	Carpentry	6316-16
17.1002	5	Electrical Trades	6315-15
17.1003	5	Heavy Equipment Operations (Construction)	6315-17
17.1004	5	Masonry	6315-11
17.1005	5	Interior Design and Application	6315-19
17.1007	5	Plumbing & Pipefitting	6315-24
17.1011	5	Building & Property Maintenance	6315-12
17.1012	5	Industrial Maintenance & Repair Occupations	6315-18
17.1017	5	Building Technology	6315-12
17.1100	5	Custodial Services	6315-14
17.1200	6	Medium/Heavy Truck Technician	6316-29
17.1300	1	Drafting Occupations	6311-12
17.1402	5	Power Transmission	6315-26
17.1503	1	Electronics	6311-13
17.1504	1	Telecommunications	6311-19
17.1805	6	Construction - Design/Build	6316-19
17.1806	6	Construction - Management	6316-19
17.1807	6	Engineering Technologies - Design	6316-21
17.1808	6	Engineering Technologies - Process	6316-21
17.1809	6	Engineering Technologies - Product/Service	6316-21
17.1815	6	Engineering Technologies - Emerging	6316-21
17.1816	1	Computer Integrated Manufacturing	6311-12
17.1817	1	Civil Engineering & Architecture	6311-12
17.1818	1	Fuel Cell Technologies	6311-12
17.1819	6	Materials Joining Technologies	6316-21
17.1900	3	Graphics Occupations	6313-21
17.2000	2	Chemical Laboratory Assisting	6312-8
17.2004	2	Industrial Laboratory Assisting	6312-8
17.2302	6	Precision Machining	6312-33
17.2303	5	Manufacturing Occupations	6315-20
17.2306	5	Welding & Cutting	6315-28
17.2602	4	Cosmetology	6314-14
17.2700	5	Plastics Occupations	6315-23
17.2801	4	Fire Fighter Training	6314-31
17.2802	4	Criminal Justice	6314-20
17.2811	2	Emergency Medical Technician	6312-11
17.2815	2	Criminal Science Technology	6312-8
17.3100	5	Power Equipment Technology	6315-25
17.3601	6	Wood Product Technologies	6316-36



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.

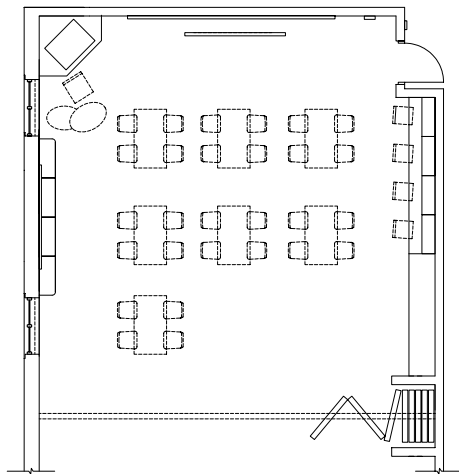
THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

TABLE OF CONTENTS

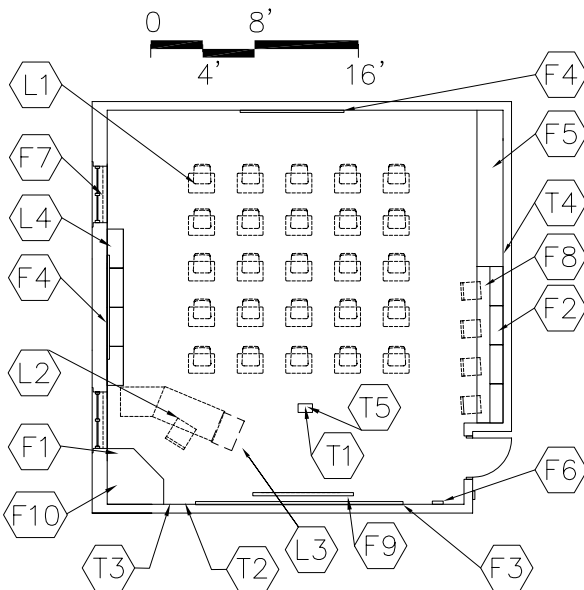
A.	Academic Core Spaces	6301-3 thru 26
B.	Special Education/Student Services Spaces	6302-1 thru 18
C.	Administrative Spaces	6303-1 thru 42
D.	Media Center Spaces	6304-1 thru 18
E.	Student Dining Spaces	6305-1 thru 10
F.	Food Service Spaces	6306-1 thru 20
G.	Custodial Spaces	6307-1 thru 6
H.	General Service Spaces	6308-1 thru 16
I.	Building Service Spaces	6309-1 thru 4

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK



CLASSROOM WITH OPTIONAL FOLDING WALL



TYPICAL CLASSROOM

CAPACITY: 25 students
SIZE: 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.

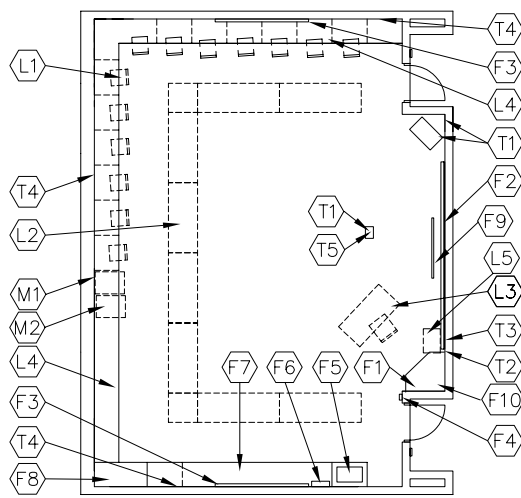
**ACADEMIC CLASSROOM
CT-AC-1**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

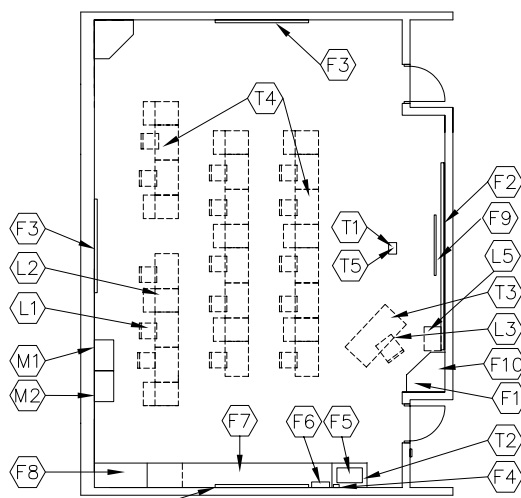
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet	096816	F1 3' of tall wardrobe with file drawers	123550
Optional: Vinyl composition tile, linoleum, VET, sheet vinyl, or rubber	096516 096500	F2 Computer work surface (could be loose)	123550
Base:		F3 10'-16' of chalk/marker board	101100
Resilient base	096500	F4 10'-16' of tack board	101100
Ceiling:		F5 8'-12' of base & wall cabinets	123550
Suspended, acoustical	095113	F6 Pencil sharpener support	062000
Walls:		F7 Windows with integral blinds	085113
Painted concrete masonry units	042000/099100	F8 About 10' of wall cabinets	123550
<u>LOOSE FURNISHINGS:</u>		F9 Projection screen (optional)	115213
L1 Student desks and chairs		F10 Technology support casework	123550
L2 Teacher desk or workstation/computer support and chair		<u>Fire Suppression:</u>	
L3 File cabinet		Fire suppression system	211000
L4 9' of low bookcases (fixed or mobile)		<u>Plumbing:</u>	
Wastebasket		N/A	
Pencil sharpener		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		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
		<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:

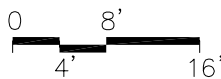
1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Where appropriate, some casework may be mobile to add flexibility and become part of the loose furnishings.



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.

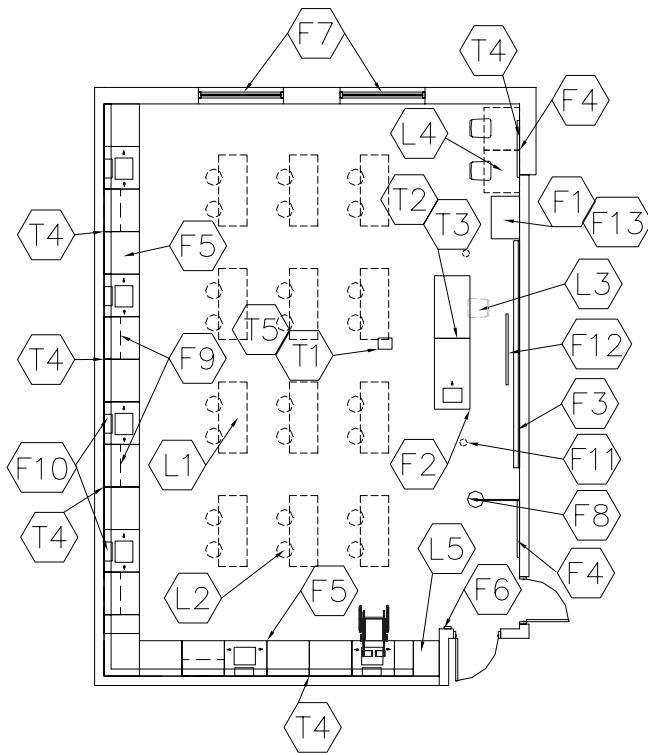
**COMPUTER ROOM
CT-AC-2**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
Flooring:			<u>Fixed Items:</u>		
Carpet		096816	F1	3' of tall wardrobe with file drawers	123550
Optional: vinyl composition tile,		096500	F2	8'-16' of chalk/marker board	101100
VET, sheet vinyl, linoleum,		096516	F3	8'-16' of tackboard	101100
or rubber			F4	Pencil sharpener support	062000
Base:			F5	3' sink base cabinet (optional)	123550
Resilient base		096500	F6	Towel dispenser (optional)	102813
Ceiling:			F7	4'-12' of base cabinets	123550
Suspended, acoustical		095113	F8	5'-8' of tall storage cabinets	
Walls:				(optional)	123550
Painted concrete masonry units			F9	Projection screen (optional)	115213
		042000/099100	F10	Technology support casework	123550
<u>LOOSE FURNISHINGS:</u>			<u>Fire Suppression:</u>		
L1	Student chairs			Fire suppression system	211000
L2	Work tables		<u>Plumbing:</u>		
L3	Teacher desk or workstation/computer support and chair		N/A		
L4	Computer workstation furniture		<u>HVAC:</u>		
L5	File cabinet			Supply/return air system	Div. 23
	Wastebasket			Independent temperature control	230923
	Pencil sharpener		<u>Electrical:</u>		
L4 could be fixed casework.				Fluorescent lighting: Parabolic lenses	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
			<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.



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.

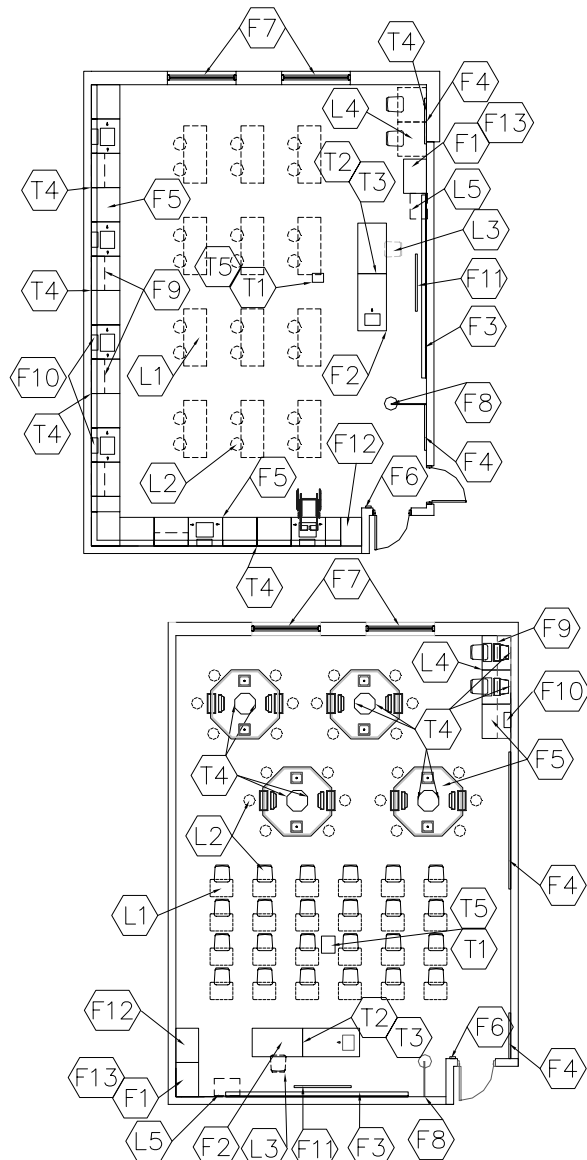
**GENERAL SCIENCE/PHYSICS
CT-AC-3**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Vinyl composition tile, linoleum, rubber, VET, or sheet vinyl	096500 096516	F1 3' of tall wardrobe with file drawers	123553
		F2 Demonstration table/teacher desk	123553
		F3 10'-16' of chalk/marker board	101100
		F4 10'-16' of tack board	101100
Base:		F5 40'-60' of lab casework with sinks	123553
Resilient base	096500	F6 Pencil sharpener support	062000
		F7 Windows with integral blinds	085113
Ceiling:		F8 Emergency shower/eyewash	224000
Suspended, acoustical	095113	F9 18'-24' of wall cabinets	123553
		F10 Towel dispensers (optional)	102813
Walls:		F11 2 eye hooks for demonstrations(optional)	055000
Painted concrete masonry units		F12 Projection screen (optional)	115213
	042000/099100	F13 Technology support casework	123553
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Student work tables		Fire suppression system	211000
L2 Student stools/chairs		<u>Plumbing:</u>	
L3 Teacher chair or stool		Plumbing connections	
L4 Computer workstation furniture			224000/221116/221119
L5 File cabinet		Emergency shower/eyewash connections	224000
Wastebasket		Gas connections (optional)	226313
Pencil sharpener		Master shutoff for gas	226313
		Compressed air connections(optional)	221500
L4 could be fixed casework.		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	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
		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.

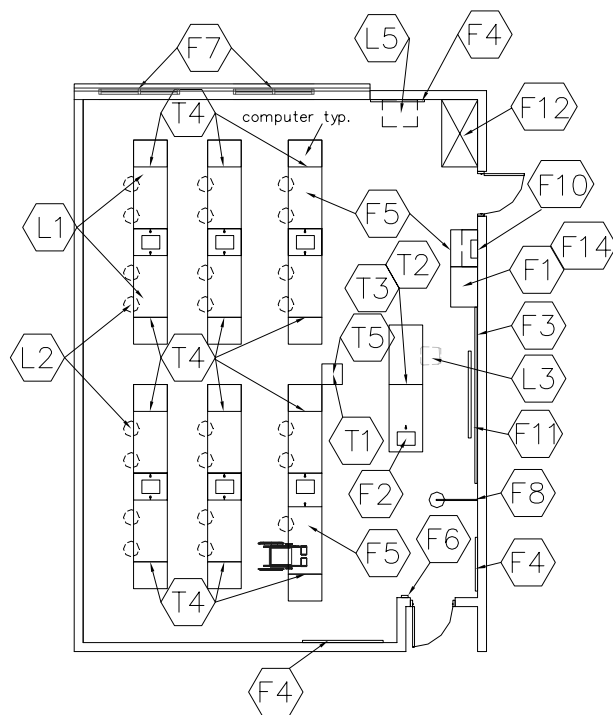
**BIOLOGY
CT-AC-4**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Vinyl composition tile, linoleum,	096500	F1 3' of tall wardrobe with file drawers	123553
Rubber, VET or sheet vinyl	096516	F2 Demonstration table/teacher desk	123553
		F3 10'-16' of chalk/marker board	101100
		F4 10'-16' of tack board	101100
Base:		F5 40'-60' of lab casework with sinks	123553
Resilient base	096500	F6 Pencil sharpener support	062000
		F7 Windows with integral blinds	085113
Ceiling:		F8 Emergency shower/eyewash	224000
Suspended, acoustical	095113	F9 18'-24' of wall cabinets (total)	123553
		F10 Towel dispensers (optional)	102813
Walls:		F11 Projection screen (optional)	115213
Painted concrete masonry units		F12 Tall cabinets (optional)	123550
	042000/099100	F13 Technology support casework	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Student work tables		Fire suppression system	211000
L2 Student stools/chairs		<u>Plumbing:</u>	
L3 Teacher chair or stool		Plumbing connections	224000/221116/221119
L4 Computer workstation furniture		Emergency shower/eyewash	
L5 File cabinet		connections	224000
Wastebasket		Master shut-off for gas	226313
Pencil sharpener		Gas connections	226313
		Compressed air connections (optional)	221500
L4 could be fixed casework.		Acid waste piping	221316
		Neutralization tank (optional)	221323
		<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.



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.

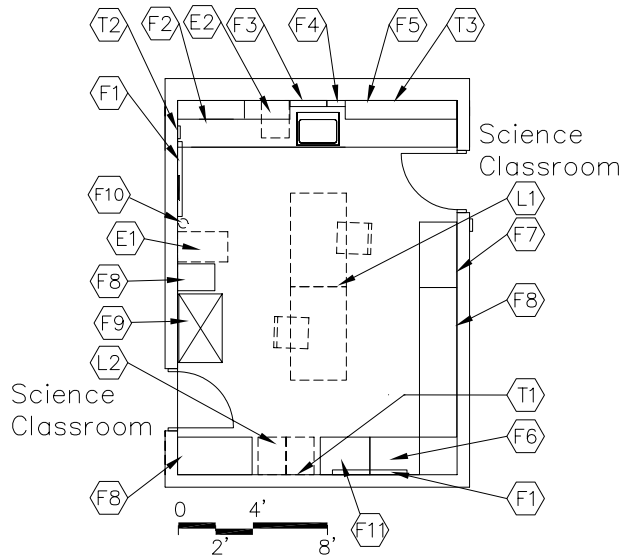
**CHEMISTRY
CT-AC-5**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Vinyl sheet flooring, linoleum, rubber, VET, or vinyl composition tile	096500 096516	F1 3' of tall wardrobe with file drawers	123553
		F2 Demonstration table/teacher desk	123553
		F3 10'-16' of chalk/marker board	101100
		F4 10'-16' of tack board	101100
		F5 40'-60' lab casework with sinks	123553
Base:		F6 Pencil sharpener support	062000
Resilient base	096500	F7 Windows with integral blinds	085113
		F8 Emergency shower/eyewash	224000
Ceiling:		F9 18'-24' of wall cabinets (optional)	123553
Suspended, acoustical	095113	F10 Towel dispensers (optional)	102813
		F11 Projection screen (optional)	115213
Walls:		F12 Fume hood	115313
Painted concrete masonry units	042000/099100	F13 Tall cabinet for microscopes(optional)	123550
		F14 Technology support casework	123550
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Student work tables		Plumbing connections	224000/221116/221119
L2 Student stools/chairs		Emergency shower/eyewash connections	224000
L3 Teacher chair or stool		Master shut-off for gas	226313
L4 Computer workstation furniture		Gas connections	226313
L5 File cabinet		Compressed air connections (optional)	221500
Wastebasket		Acid waste piping	221316
Pencil sharpener		Neutralization tank	221323
		<u>HVAC:</u>	
L4 Could be fixed casework		Supply/return air system	Div. 23
		Independent temp control	230923
		Manual exhaust	Div. 23
		Exhaust for fume hood	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.



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**

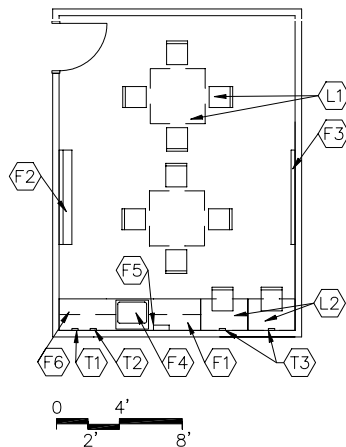
CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
Flooring:			<u>Fixed Items:</u>		
Vinyl sheet flooring, linoleum, rubber, VET, or vinyl composition tile		096516 096500	F1	4' of tack board	101100
			F2	8'-15' of lab station with sink	123553
			F3	Drying rack with pegs (optional)	123553
			F4	Towel dispenser (optional)	102813
			F5	8'-15' of wall cabinets	123553
Base:			F6	Storage cabinets for acids, Ventilated (optional)	123553
Resilient base		096500	F7	Storage cabinets for flammables(optional)	123553
Ceiling:			F8	8'-16' of tall storage cabinets	123553
Suspended, acoustical		095113	F9	Fume hood (optional)	115313
Walls:			F10	Emergency eyewash (if applicable)	224000
Painted concrete masonry units		042000/099100	F11	Chemical storage cabinets with acid resistant lining	123553
<u>LOOSE FURNISHINGS:</u>			<u>Fire Suppression:</u>		
L1	Work tables with chemical-resistant top		Fire suppression system		211000
L2	2 file cabinets		<u>Plumbing:</u>		
	Wastebasket		Plumbing connections		224000/221116/221119
<u>EQUIPMENT</u>			Acid waste system		Div. 23
E1	Refrigerator/freezer (optional)		Gas connections		226313
E2	Dishwasher (optional)		Compressed air connections(optional)		221500
			Access to neutralization tank		221323
			<u>HVAC:</u>		
			Supply/return air system		Div. 23
			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		

NOTES:

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

300 SF



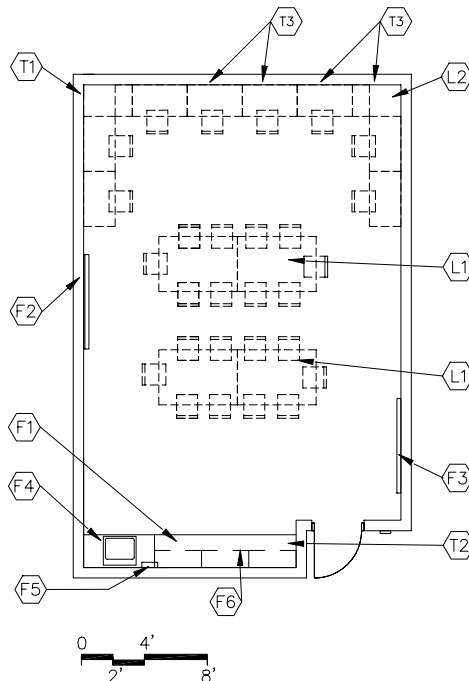
PROGRAM ACTIVITIES:

- 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:
SIZE:

8 - 28 teachers
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

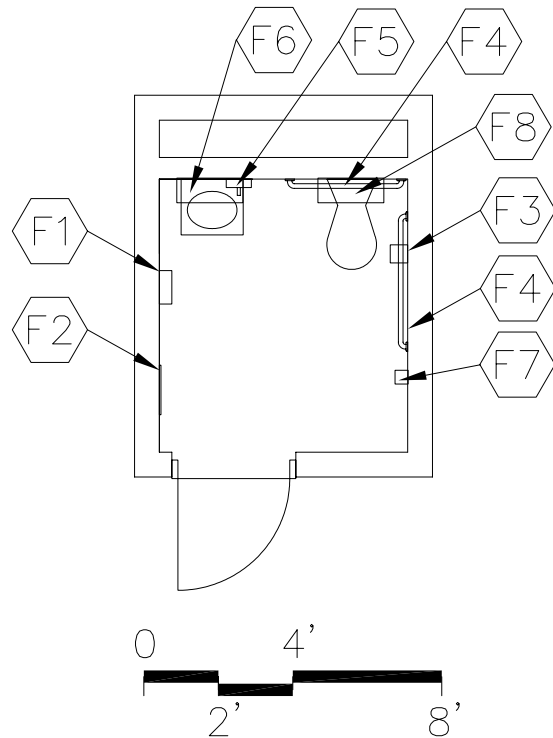
**TEACHER PREP/WORKROOM
CT-AC-7**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items²:</u>		
Carpet, VCT, VET, linoleum,		096816	F1	6' - 9' of base cabinets	123550
vinyl sheet, or rubber		096500		(could be bookcases)	
		096516	F2	6'-8' of chalk/marker board	101100
			F3	4'-8' of tack board	101100
Base:			F4	3' sink base cabinet	123550
Resilient base		096500	F5	Towel dispenser (optional)	102813
			F6	6' – 9' of wall cabinets	123550
Ceiling:			<u>Fire Suppression:</u>		
Suspended, acoustical		095113		Fire suppression systems	211000
Walls:			<u>Plumbing:</u>		
Painted concrete masonry units				Sink	224000
		042000/099100		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>		
				Fluorescent lighting	265100
L2 could be fixed casework.				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:

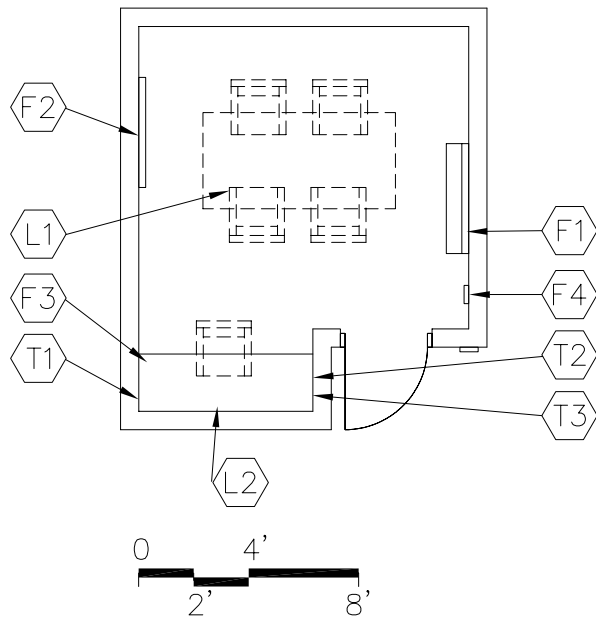
INDIVIDUAL RESTROOM
CT-AC-8

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.			Spec.
<u>FINISHES¹:</u>		<u>Ref.#</u>	<u>FEATURES¹:</u>		<u>Ref.#</u>
Flooring:			<u>Fixed Items:</u>		
Linoleum, rubber, VET, or		096516	F1 Towel dispenser		102813
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 Shelf above sink (optional)		102813
			F7 Coat hook		102813
			F8 Cabinet above toilet (optional)		102813
Base:			<u>Fire Suppression:</u>		
Resilient base		096500	Fire suppression system		211000
Optional: Ceramic mosaic tile,		093000			
Porcelain tile, resinous flooring,		096723			
or integral vinyl cove base					
Ceiling:			<u>Plumbing:</u>		
Suspended, acoustical		095113	Wall-mounted water closet		224000
			Wall-mounted lavatory		224000
Walls:			Plumbing connections		224000/221116/221119
Painted concrete masonry units					
		042000/099100			
<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.



CAPACITY: 4 - 5 students
 SIZE: 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

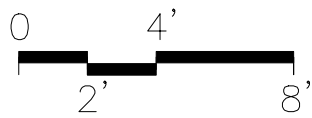
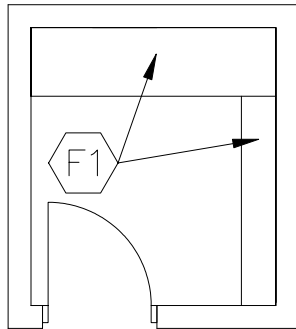
CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
<u>Flooring:</u>			<u>Fixed Items:</u>		
Carpet		096816	F1	4'-6' of chalk/marker board	101100
Optional: vinyl composition tile,		096500	F2	4' of tack board	101100
VET, sheet vinyl, linoleum,		096516	F3	4'-6' of work surface (optional)	123550
or rubber			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

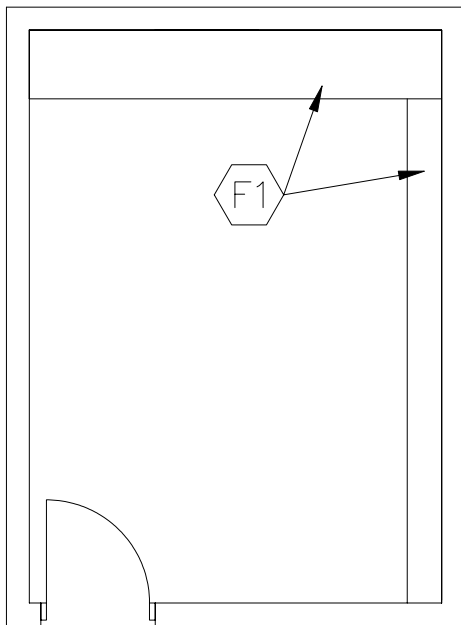
NOTES:

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

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:

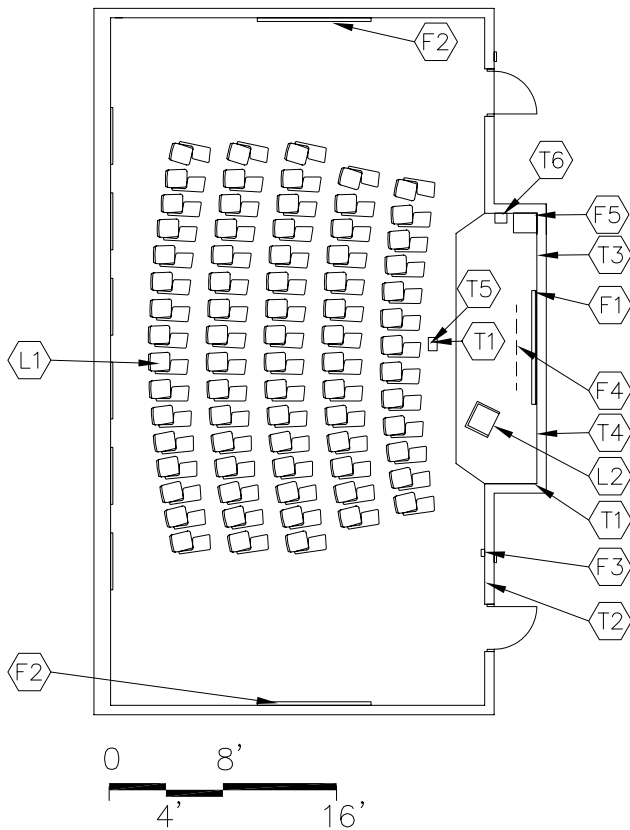
MATERIAL STORAGE
CT-AC-10

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Vinyl composition tile		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			N/A		
		042000/099100	<u>HVAC:</u>		
			To be determined by Design Professional		
<u>LOOSE FURNISHINGS:</u>			Supplemental heat as required		Div. 23
N/A			<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.

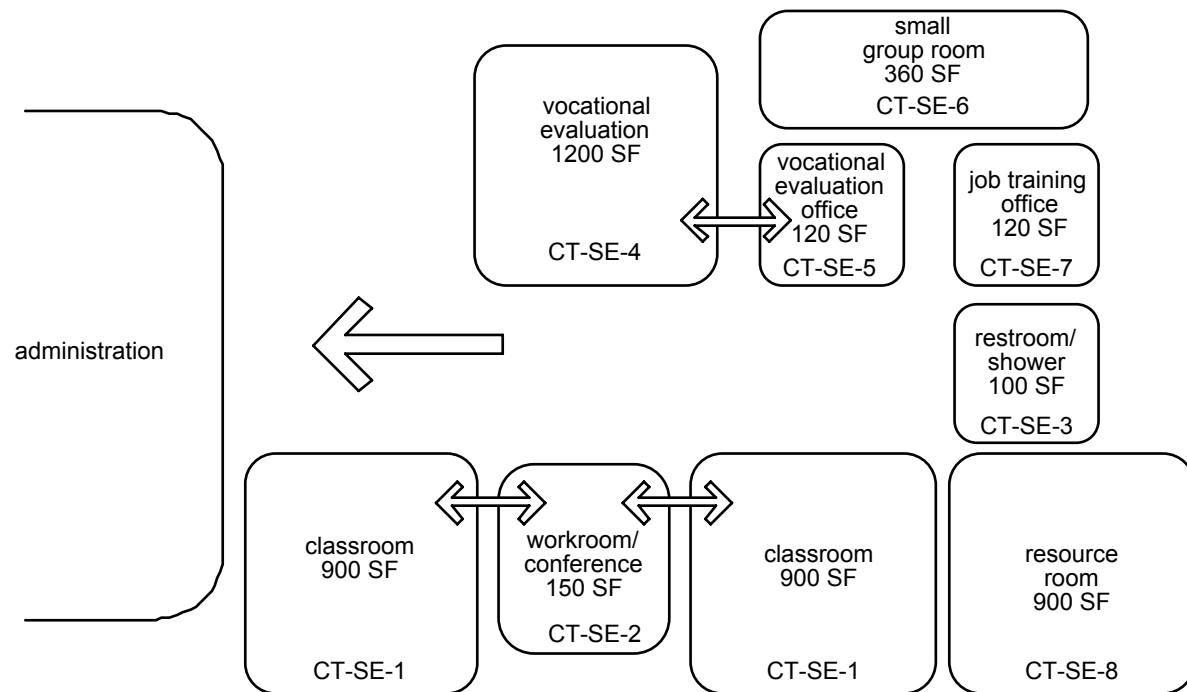
**MULTIPURPOSE ROOM
CT-AC-11**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#	Spec. Ref.#
<u>FINISHES¹:</u>			
Flooring:			
Carpet		096816	
Base:			
Resilient base		096500	
Ceiling:			
Suspended, acoustical		095113	
Walls:			
Painted concrete masonry units			
	042000	099100	
Acoustical wall treatment		098000	
<u>LOOSE FURNISHINGS:</u>			
L1	Student desks and chairs		
L2	Podium / console (optional)		
	Portable risers		
	Wastebasket		
	Pencil sharpener		
<u>FEATURES¹:</u>			
<u>Fixed Items:</u>			
F1	8'-12' of chalk/marker board		101100
F2	8'-16' of tack board		101100
F3	Pencil sharpener support		062000
F4	Projection screen (optional)		115213
F5	Technology support casework		123550
<u>Fire Suppression:</u>			
	Fire suppression system		211000
<u>Plumbing:</u>			
	N/A		
<u>HVAC:</u>			
	Supply/return air system		Div. 23
	Independent temperature control		230923
<u>Electrical:</u>			
	Fluorescent lighting:		265100
	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.



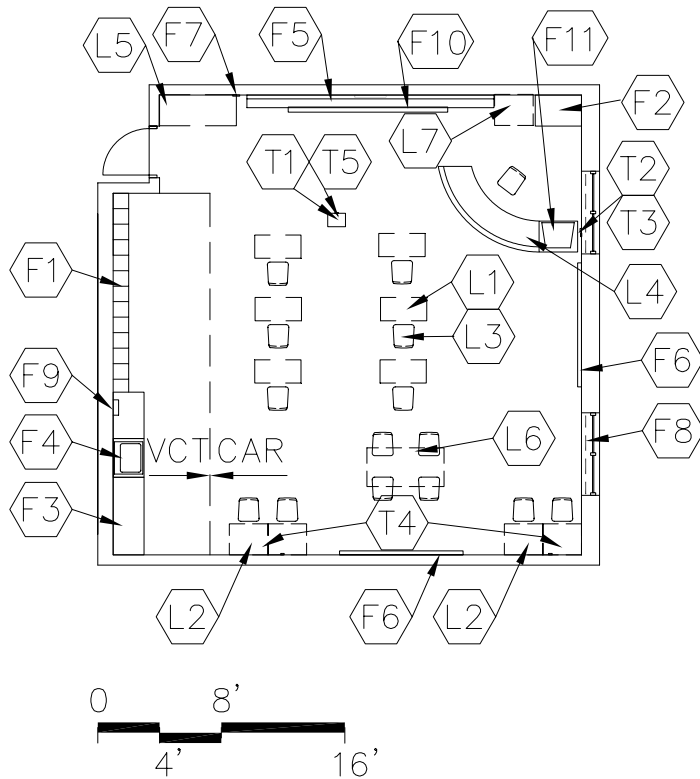
NOTES:

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

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK



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.

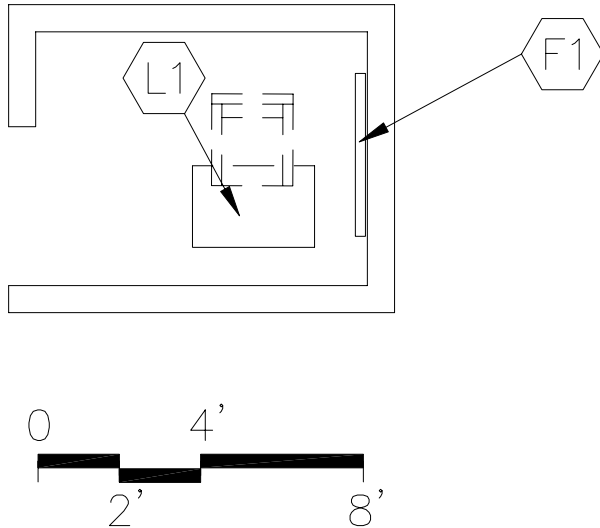
**CLASSROOM
CT-SE-1**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
<u>Flooring:</u>			<u>Fixed Items:</u>		
Combination carpet		096816	F1 Open casework – coats and personal items		123550
with resilient options		096500	with wall cabinets above		123550
Optional: All vinyl composition tile,		096516	F2 3' of tall wardrobe w/file drawers		123550
VCTT, VET, sheet vinyl, linoleum,			F3 8'-10' of base & wall cabinets		123550
or rubber			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			<u>Fire Suppression:</u>		
		042000/099100	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			<u>Electrical:</u>		
L4 Teacher workstations/computer support			Fluorescent lighting		265100
and chair			Illumination level: See Table 8600-4		
L5 8'-10' of low bookcases (fixed or mobile)			Multilevel switching		262726
L6 Reading table			4 duplex receptacles		262726
L7 File cabinet			Double duplex receptacle adjacent to		
Wastebasket			each data and video port		262726
Pencil sharpener			<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
			Sound reinforcement system		275127
			Central sound system		275123
			T5 Overhead projector		274119
<u>EQUIPMENT(optional)</u>			<u>Electronic Safety and Security:</u>		
E1 Washer and dryer			Life safety devices per code		283111
E2 Small refrigerator			<u>Miscellaneous:</u>		
E3 Range			N/A		
E4 Oven					
E5 Microwave					

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:
SIZE:

1 - 2 persons
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:

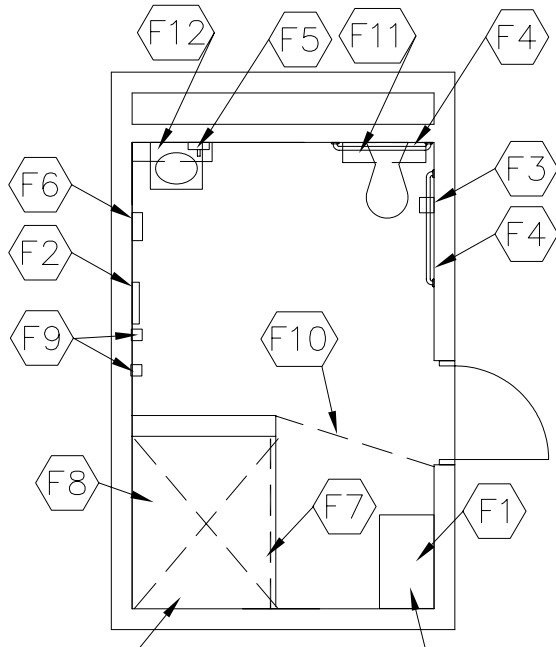
1. Loose furnishings shown represent one of many possible arrangements.
2. Walls floor to ceiling and an open area for ½ of the fourth wall.
3. See Chapter 1, page 1110-16 for specific areas needed for each disability.

WORKROOM/CONFERENCE**CT-SE-2 (Quiet Area)****CHAPTER 6: CAREER-TECHNICAL SCHOOL**

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Carpet, VCT, VET, linoleum, or sheet vinyl	096816 096500 096516	F1 4' of tack board (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 concrete masonry units	042000/099100	Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Student desk and chair		Dimmable lighting	262726
Wastebasket		Fluorescent lighting	265100
		Illumination level: See Table 8600-4	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Clock (optional)	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window with blinds (optional)	081113/088000

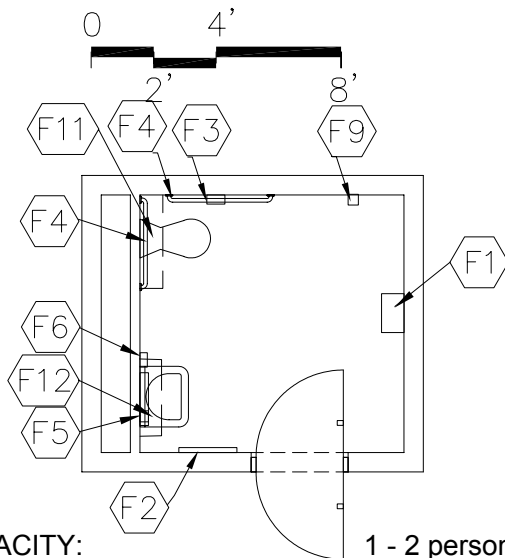
NOTES:

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



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

Changing Area.
Storage of supplies
for health needs.



CAPACITY:
SIZE:

1 - 2 persons
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.

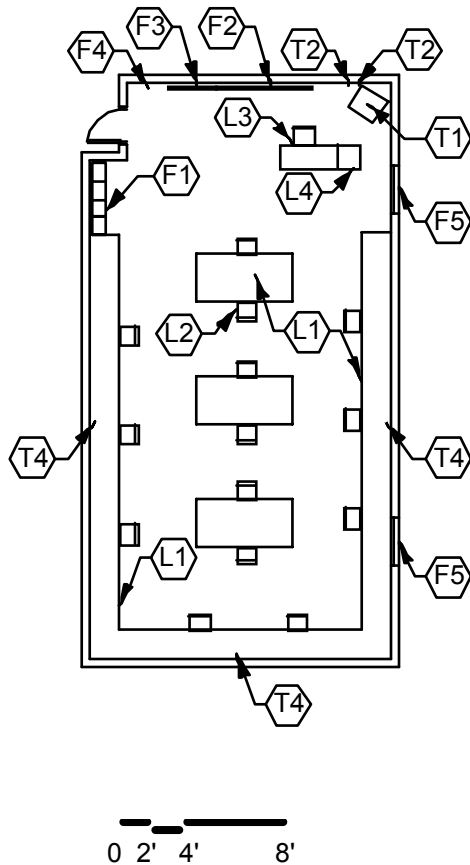
**RESTROOM/SHOWER
CT-SE-3**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items:</u>	
Restroom: Linoleum, VET, vinyl sheet, rubber sheet flooring, or resinous flooring	096516 096500 096723	F1 Base cabinets or changing station	123550
Shower: Ceramic mosaic tile, porcelain tile, or resinous flooring	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, resinous flooring, or	096500 096723	F8 ADA shower accessories	102813
integral vinyl cove base	093000	F9 (2) hooks	102813
Shower: Ceramic mosaic tile base, porcelain tile, resinous flooring, or integral vinyl cove base		F10 Cubicle curtain (optional)	102813
		F11 8" deep wall cabinet above toilet	102813
		F12 Shelf (optional)	102813
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Restroom: Suspended, acoustical	095113	Wall-mounted water closet	224000
Shower: Painted portland cement plaster or	092400/099100	Wall-mounted lavatory	224000
interior finish system	092513	ADA shower controls and head	224000
		Plumbing connections	224000/221116/221119
<u>Walls:</u>		<u>HVAC:</u>	
Epoxy painted concrete masonry units	042000/099100	Exhaust air system	Div. 23
or ceramic wall tile in shower	093000	Supplemental heat as required	Div. 23
and latex paint in restroom	099100		
<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.



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.

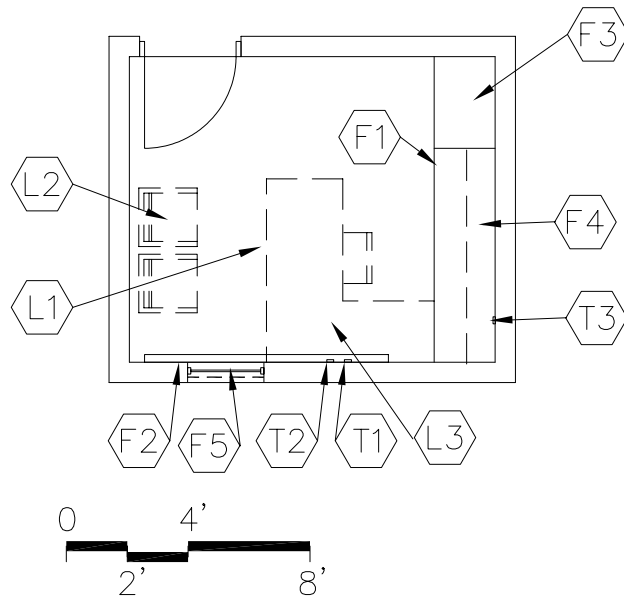
**CAREER TECHNICAL EVALUATION
CT-SE-4**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet	096816	F1 Open casework - coats	123550
Base:		F2 4'-8' of chalk/marker board	101000
Resilient base	096500	F3 About 4' of tack board	101000
Ceiling:		F4 Pencil sharpener support	062000
Suspended, acoustical	095113	F5 Windows with integral blinds	085113
Walls:		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000 / 099100	Fire suppression system	211000
Optional: Gypsum drywall on metal studs	092116 / 099100	<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		N/A	
L1 Student desk/tables		<u>HVAC:</u>	
L2 Student chairs		Supply/return air system	Div. 23
L3 Teacher desk and chair		Independent temperature control	230923
L4 Desk height file cabinet		<u>Electrical:</u>	
Wastebasket		Fluorescent lighting	265100
Pencil sharpener		Illumination level: See Table 8600-4	
		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 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.



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.

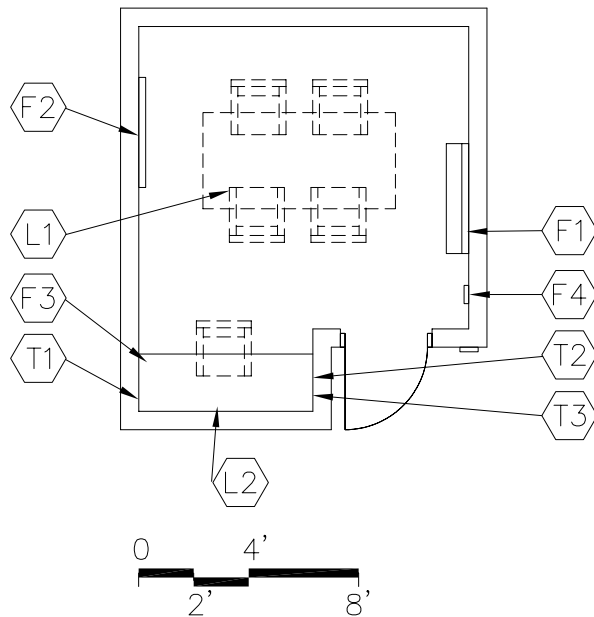
**CAREER TECHNICAL EVALUATION OFFICE
CT-SE-5**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 096813	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
		F5 Window with integral blind	085116
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 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.



CAPACITY: 4 - 5 students
 SIZE: 360 SF

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**

NOTES:

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

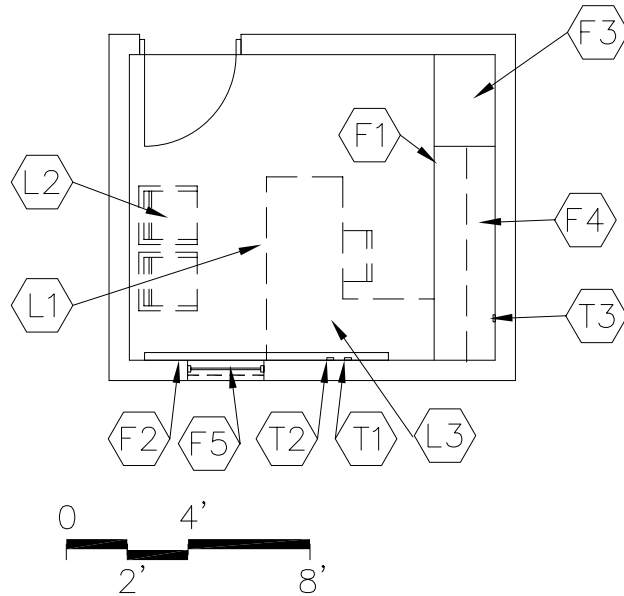
SMALL GROUP ROOM
CT-SE-6

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#		Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet	096816	F1 4'-6' of chalk/marker board	101100
Optional: vinyl composition tile,	096500	F2 4' of tack board	101100
VET, sheet vinyl, linoleum,	096516	F3 4'-6' of work surface (optional)	123550
or rubber		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		Supply/return air system	Div. 23
042000/099100		Independent temperature control	230923
		(coupled with similarly loaded adjacent spaces)	
<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.

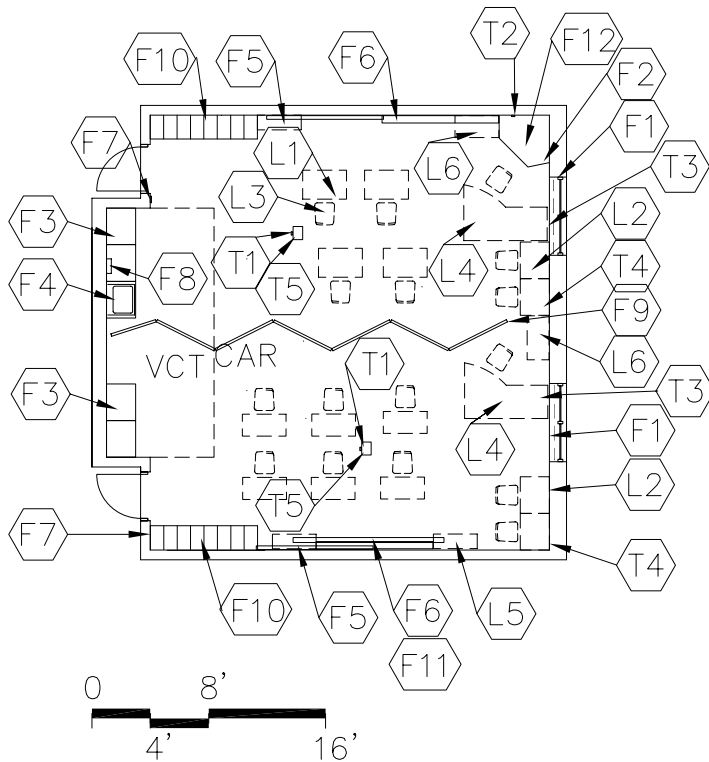
**JOB TRAINING OFFICE
CT-SE-7**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 096813	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
		F5 Window with integral blind	085116
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 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.



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.

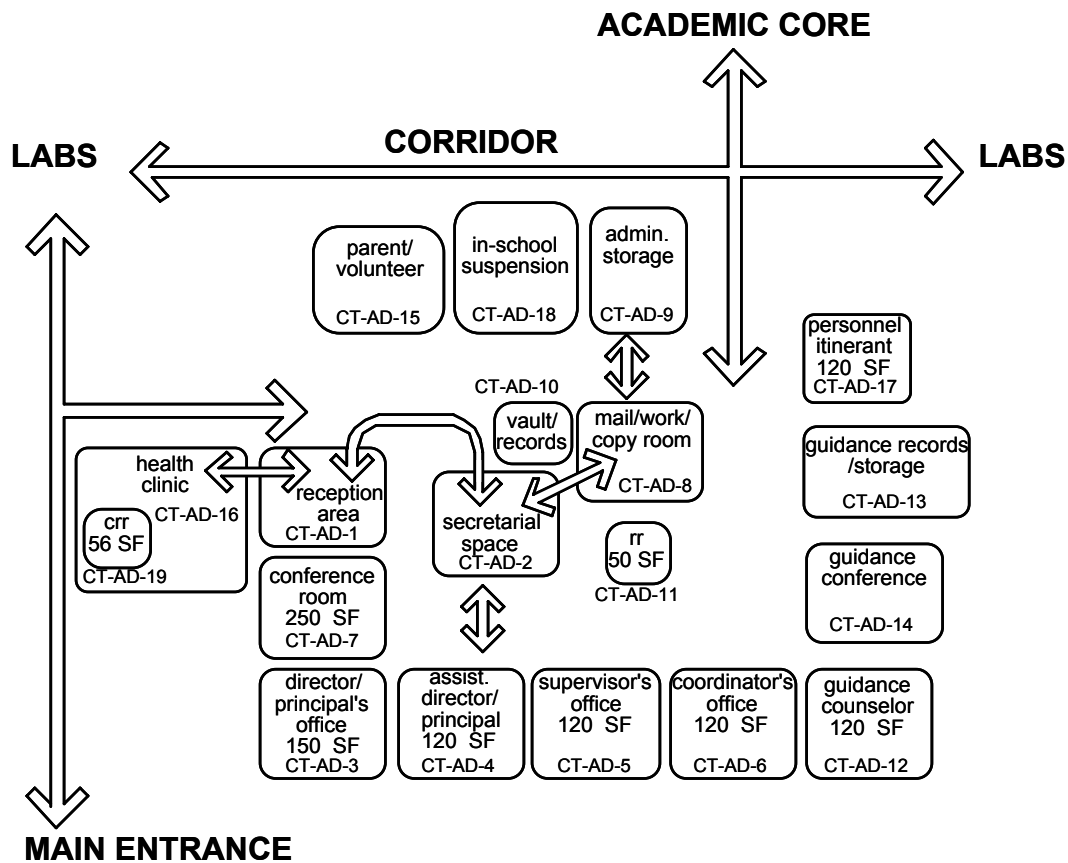
RESOURCE ROOM
CT-SE-8

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.			Spec.
<u>FINISHES¹:</u>		<u>Ref.#</u>	<u>FEATURES¹:</u>		<u>Ref.#</u>
Flooring:			<u>Fixed Items:</u>		
Combination carpet		096816	F1 Windows with integral blinds		085113
with resilient options		096500	F2 3' of tall wardrobe with file drawers		123550
Option: All vinyl composition tile,		096516	F3 8'-12' of base cabinets		123550
VCTT, VET, sheet vinyl, linoleum,			F4 3' sink base cabinet		123550
or rubber			F5 10'-16' of chalk/marker board		101100
			F6 10'-16' of tack board		101100
			or tackable wall surface or combination		
Base:			F7 Pencil sharpener support		062000
Resilient base		096500	F8 Towel dispenser (optional)		102813
			F9 Operable partition (optional)		102226
Ceiling:			F10 Open casework coats and personal		
Suspended, acoustical		095113	storage w/wall cabinets above		123550
			F11 Projection screen (optional)		115213
Walls:			F12 Technology support casework		123550
Painted concrete masonry units			F13 Mirror (optional)		102813
		042000/099100	F14 Mobile storage cabinet (optional)		123550
<u>LOOSE FURNISHINGS:</u>			<u>Fire Suppression:</u>		
L1 Student desks/tables			Fire suppression system		211000
L2 Computer workstation furniture			<u>Plumbing:</u>		
L3 Student chairs			Sink		224000
L4 Teacher desk / computer support and chair			Plumbing connections		224000/221116/221119
L5 Mobile bookcases or storage unit			<u>HVAC:</u>		
L6 File cabinet			Supply/return air system		Div. 23
Wastebasket			Independent temperature control		230923
Pencil sharpener			<u>Electrical:</u>		
			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
			<u>Communications:</u>		
			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
			<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.

**NOTE:**

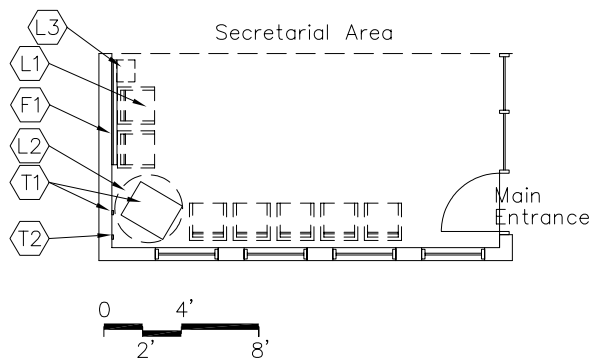
This is an example of how the administrative spaces in a career-technical school could be arranged. This is only meant to demonstrate the relationships between various areas of the building.

Following are the Administrative space plates for the following rooms:

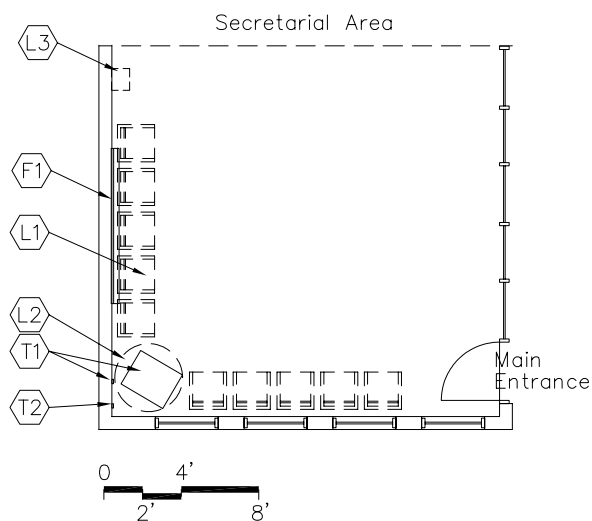
CT-AD-1	Reception Area	CT-AD-10	Vault/Records
CT-AD-2	Secretarial Space	CT-AD-11	Restroom
CT-AD-3	Director/Principal's Office	CT-AD-12	Guidance Counselor
CT-AD-4	Assistant Director/Principal's Office	CT-AD-13	Guidance Records/Storage
CT-AD-5	Supervisor's Office	CT-AD-14	Guidance Conference
CT-AD-6	Coordinator's Office	CT-AD-15	Parent/Volunteer
CT-AD-7	Conference Room	CT-AD-16	Health Clinic
CT-AD-8	Mail/Work/Copy room	CT-AD-17	Itinerant Personnel
CT-AD-9	Administrative Storage	CT-AD-18	In-school Suspension
		CT-AD-19	Clinic Restroom
		CT-AD-20	Family Restroom

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

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

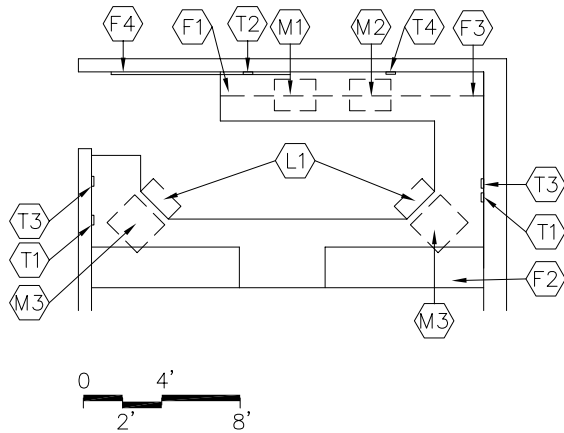
CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or</i> Carpet Tile	096816 096813	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	092116 /099100	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

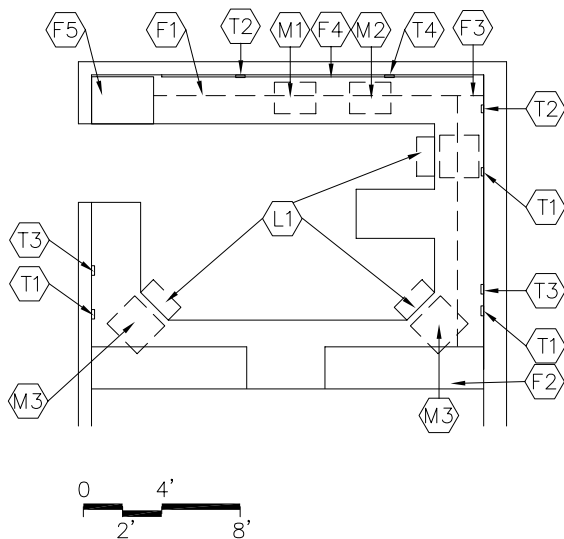
NOTES:

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

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.

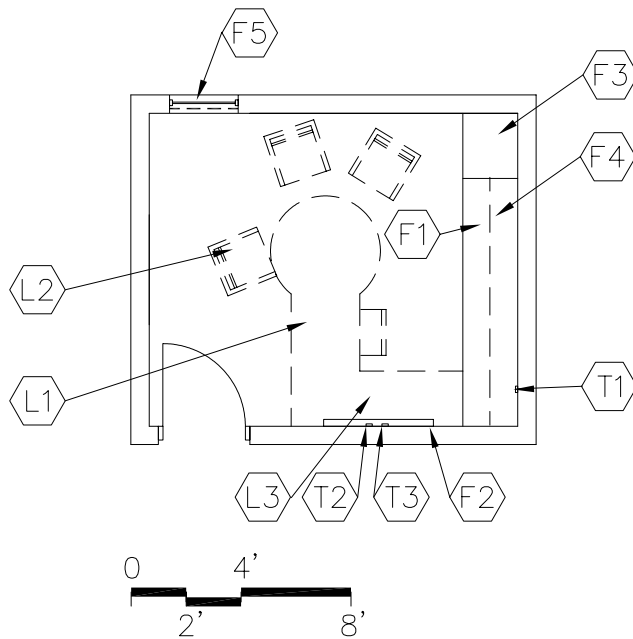
SECRETARIAL AREA
CT-AD-2

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#	<u>Fixed Items²:</u>	Spec. Ref.#
Flooring:			
Carpet <i>or</i> Carpet Tile	096816 096813	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	092116/099100	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Secretarial chairs		N/A	
Wastebasket		<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	271513/273113
		at each secretarial workstation	
		T2 1 fax port	271513/273113
		T3 1 data port	271513
		at each secretarial workstation	
		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.



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:
SIZE:

1 - 4 persons
150 SF

NOTES:

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

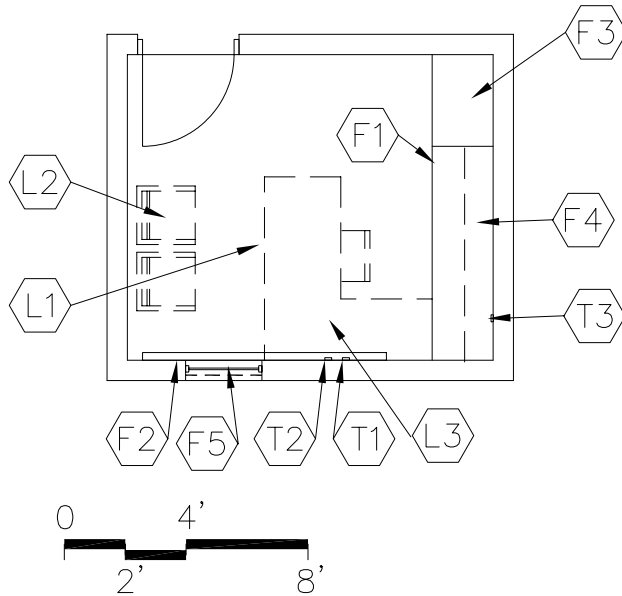
DIRECTOR / PRINCIPAL'S OFFICE
CT-AD-3

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or</i> Carpet Tile	096816 096813	F1 Work surface with file drawers	123550
		F2 4' of tack board	101100
		or tackable wall surface	
Base:		F3 2' of tall wardrobe (optional)	123550
Resilient base	096500	F4 Wall cabinets above work surface	123550
Ceiling:		F5 Window with integral blind	085116
Suspended, acoustical	095113		
Walls:		<u>Fire Suppression:</u>	
Painted gypsum wallboard		Fire suppression system	211000
over metal studs	092116 / 099100		
		<u>Plumbing:</u>	
		N/A	
<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 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.



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:
SIZE:

1 - 3 persons
120 SF

NOTES:

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

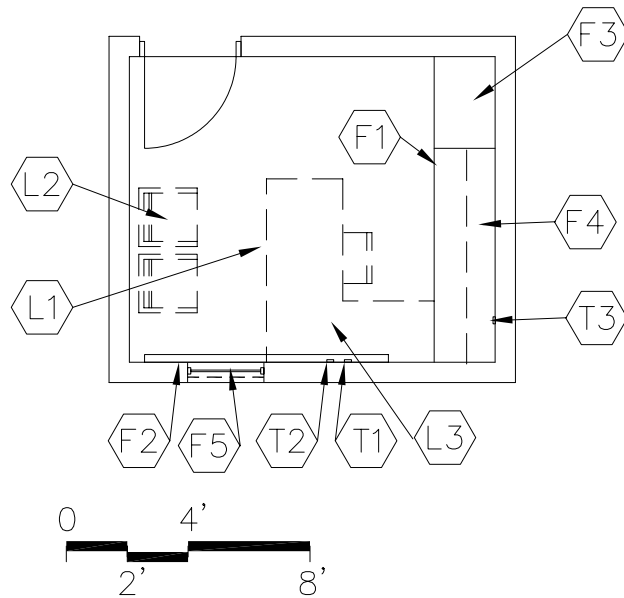
**ASSISTANT DIRECTOR / PRINCIPAL'S OFFICE
CT-AD-4**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 096813	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
		F5 Window with integral blind	085116
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 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 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:
SIZE:

1 - 3 persons
120 SF

NOTES:

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

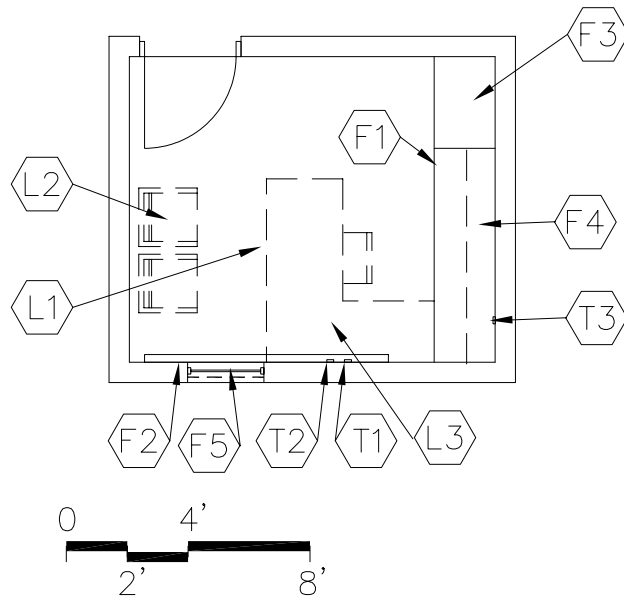
**SUPERVISOR'S OFFICE
CT-AD-5**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#		Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 096813	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
		F5 Window with integral blind	085116
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 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:
SIZE:

1 - 3 persons
120 SF

NOTES:

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

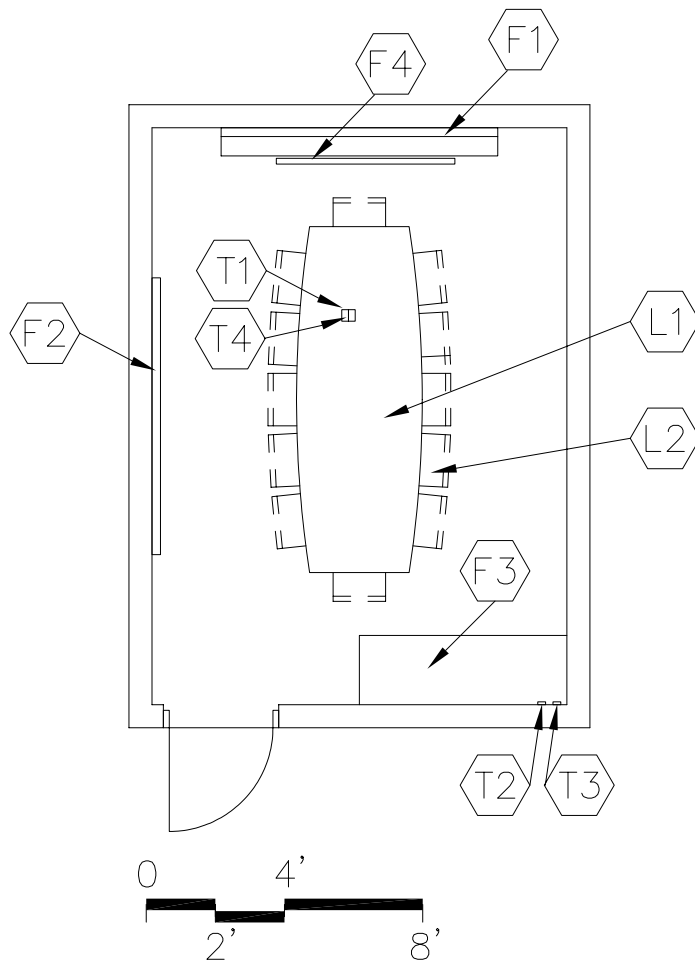
**COORDINATOR'S OFFICE
CT-AD-6**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or Carpet Tile</i>	096816 096813	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
		F5 Window with integral blind	085116
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 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.



CAPACITY: 12 – 15 persons
 SIZE: 250 SF

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**

NOTES:

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

CONFERENCE ROOM
CT-AD-7

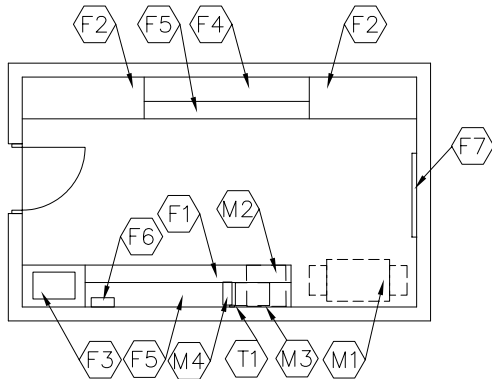
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Carpet <i>or</i> Carpet Tile		096816	F1 About 8' of chalk/marker board		101100
		096813	F2 About 8' of tack board		101100
			or tackable wall surface		
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			N/A		
over metal studs		092116/099100	<u>HVAC:</u>		
<u>LOOSE FURNISHINGS:</u>			Supply/return air system	Div. 23	
L1 Conference table			Independent temperature control		230923
L2 Chairs			<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		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		

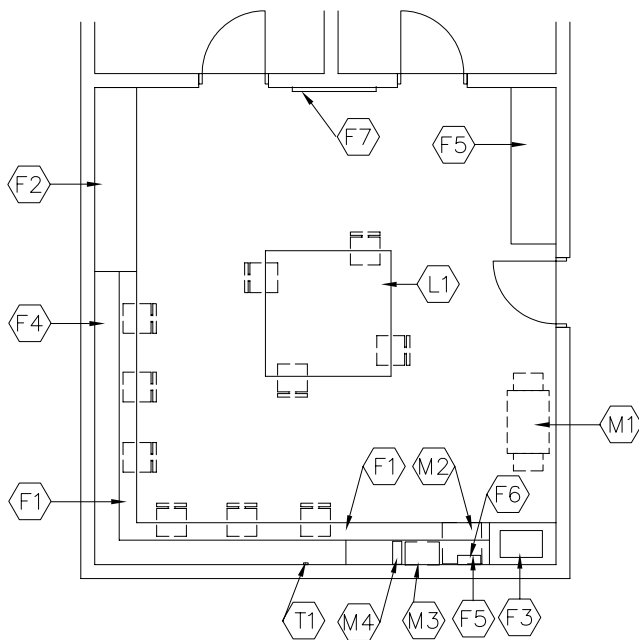
NOTES:

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.

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

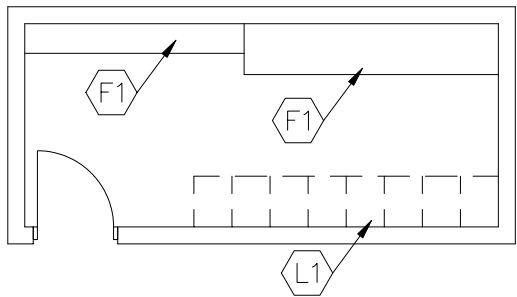
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.			Spec.
<u>FINISHES¹:</u>		<u>Ref.#</u>	<u>FEATURES¹:</u>		<u>Ref.#</u>
Flooring:			<u>Fixed Items:</u>		
Vinyl composition tile		096500	F1 About 10' of base & wall cabinets		123550
			F2 8'-12' of tall storage cabinets		123550
			or about 32' maximum of a combination		
			storage cabinets		
Base:			F3 3' sink base cabinet		123550
Resilient base		096500	F4 Mail cubicles for all staff		123200
			F5 10'-12' of wall cabinets		123550
Ceiling:			F6 Towel dispenser (optional)		102813
Suspended, acoustical		095113	F7 4' tack board (optional)		101100
Walls:			<u>Fire Suppression:</u>		
Painted gypsum wallboard			Fire suppression system		211000
over metal studs		092116/099100			
			<u>Plumbing:</u>		
<u>LOOSE FURNISHINGS:</u>			Sink		224000
L1 Work table and chairs			Plumbing connections		224000/221116/221119
(applicable in 300 SF space only)					
Wastebasket			<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.

150 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

CAPACITY: N/A
SIZE: 150 - 200 SF

NOTES:

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

ADMINISTRATIVE STORAGE
CT-AD-9

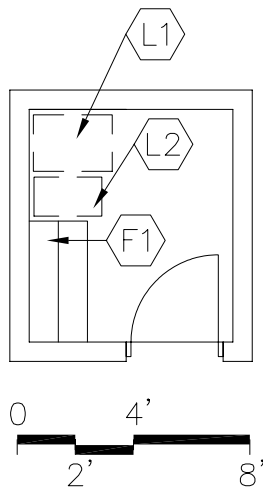
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Vinyl composition tile		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>HVAC:</u>		
<u>LOOSE FURNISHINGS:</u>			To be determined by Design Professional		
L1 File cabinets			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.

50 SF



PROGRAM ACTIVITIES:

- Storage of records and security files in a secure area

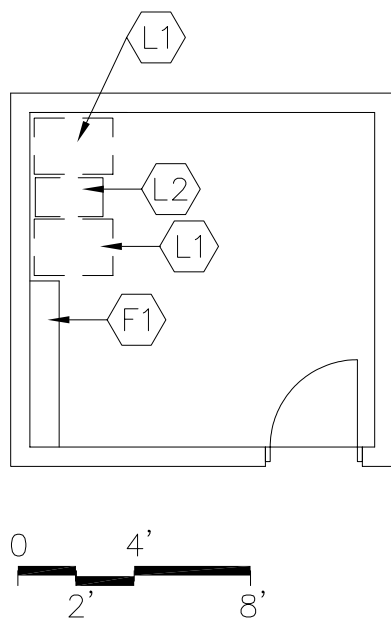
SPATIAL RELATIONSHIPS:

- Access to guidance area
- Access to secretarial personnel

ENVIRONMENTAL CONSIDERATIONS:

N/A

100 SF

CAPACITY:
SIZE:N/A
50 - 100 SFNOTES:

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

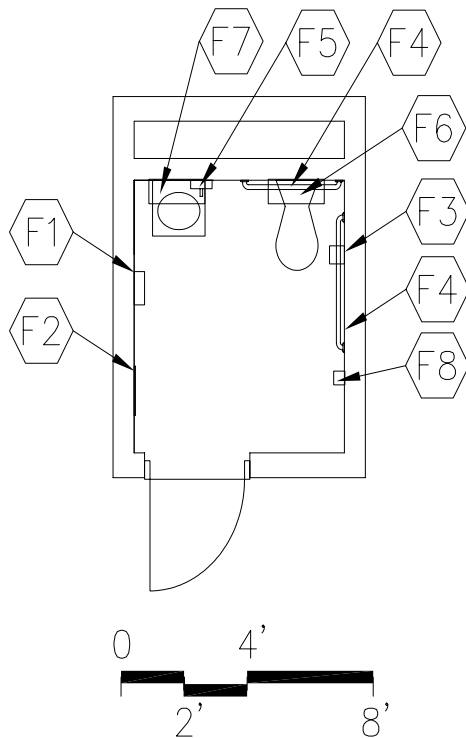
VAULT/RECORDS
CT-AD-10

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.			Spec.
		Ref.#			Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Vinyl composition tile		096500	F1 3'-6' of open shelving,		
			(depth may vary)(fixed or loose)	123550	
Base:			Option: mobile storage shelving	105626	
Resilient base		096500			
Ceiling:			<u>Fire Suppression:</u>		
Rated 2-hour construction		---	Fire suppression system	211000	
Walls:			<u>Plumbing:</u>		
Painted concrete masonry units or			N/A		
	042000 /099100		<u>HVAC:</u>		
Painted gypsum wallboard	092116 /099100		To be determined by Design Professional		
Rated 2-hour construction					
<u>LOOSE FURNISHINGS:</u>			<u>Electrical:</u>		
L1 File cabinet			Single level switching	262726	
L2 Safe (loose or fixed)			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>		
			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:

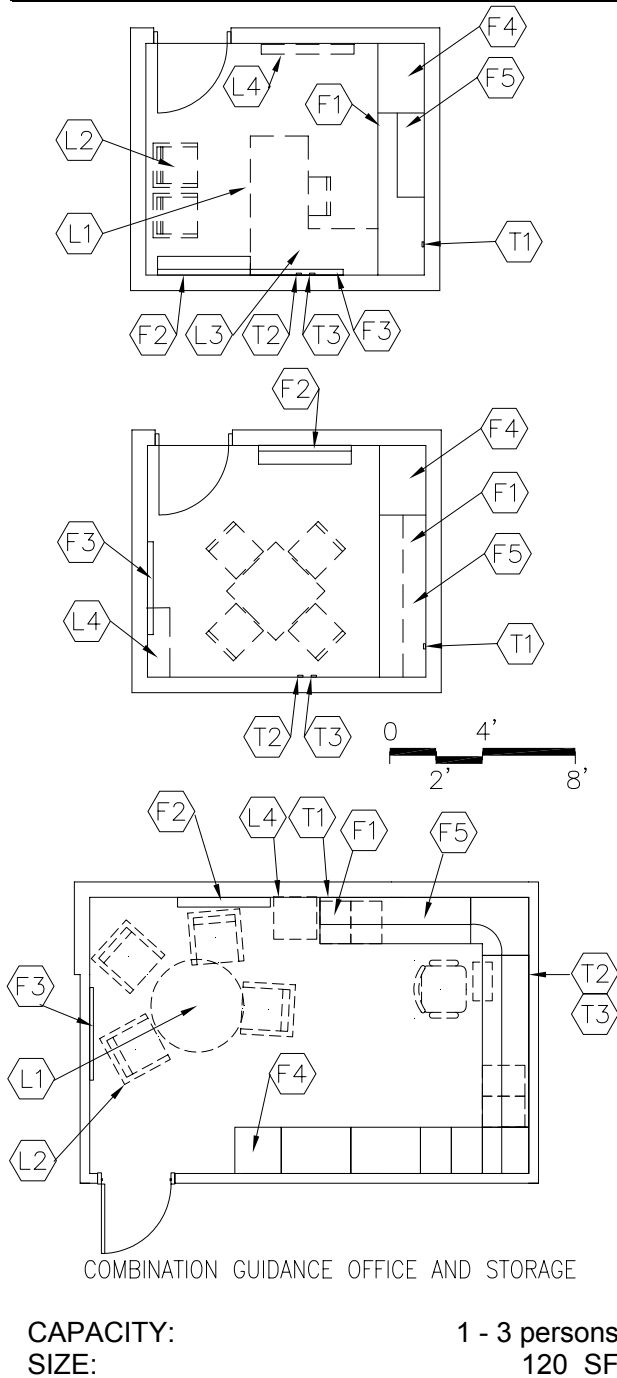
RESTROOM
CT-AD-11

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
VET, linoleum, rubber, or sheet vinyl	096516 096500	F1 Towel dispenser	102813
Optional: ceramic mosaic tile,	093000	F2 24" x 60" mirror	102813
porcelain tile, or	096723	F3 Toilet tissue holder	102813
resinous flooring		F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
		F6 8" deep wall cabinet above toilet for supplies (optional)	102813
Base:		F7 Stainless steel shelf (optional)	102813
Resilient base	096500	F8 Coat hook	102813
Optional: ceramic mosaic tile,	093000		
porcelain tile, resinous flooring,	096723		
or integral vinyl cove base		<u>Fire Suppression:</u>	
		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	Wall-mounted water closet	224000
		Wall-mounted lavatory	224000
Walls:		Plumbing connections	224000/221116/221119
Painted concrete masonry units	042000/099100		
Optional: moisture & abuse-resistant gypsum wall board	092116/099100	<u>HVAC:</u>	
		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.



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**

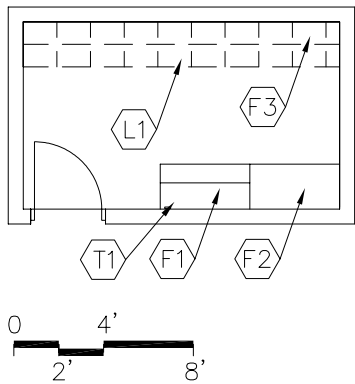
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Carpet <i>or</i> Carpet Tile		096816	F1 Work surface with file drawers		123550
		096813	F2 4' of chalk/marker board (optional)		101100
Base:			F3 4' of tack board		101100
Resilient base		096500	or tackable wall surface		
Ceiling:			F4 Tall wardrobe		123550
Suspended, acoustical		095113	F5 Wall cabinets		123550
Walls:			<u>Fire Suppression:</u>		
Painted gypsum wallboard			Fire suppression system		211000
over metal studs		092116/099100	<u>Plumbing:</u>		
			N/A		
<u>LOOSE FURNISHINGS:</u>			<u>HVAC:</u>		
L1 Desk or table, with chair			Supply/return air system		Div. 23
L2 Visitor chairs			Independent temperature control		230923
L3 Computer desk return			(coupled with similarly loaded		
L4 Bookcase (fixed or loose)			adjacent spaces)		
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.

100 SF



PROGRAM ACTIVITIES:

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

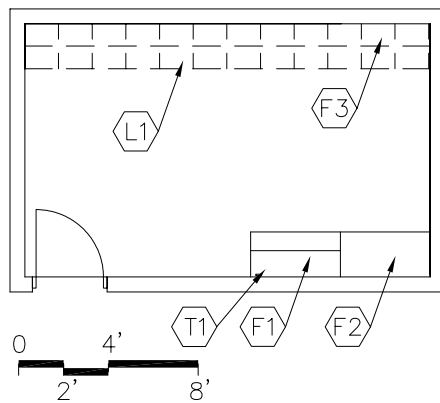
SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

N/A

150 SF



CAPACITY:
SIZE:

N/A
100 - 150 SF

NOTES:

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

GUIDANCE RECORDS/STORAGE
CT-AD-13

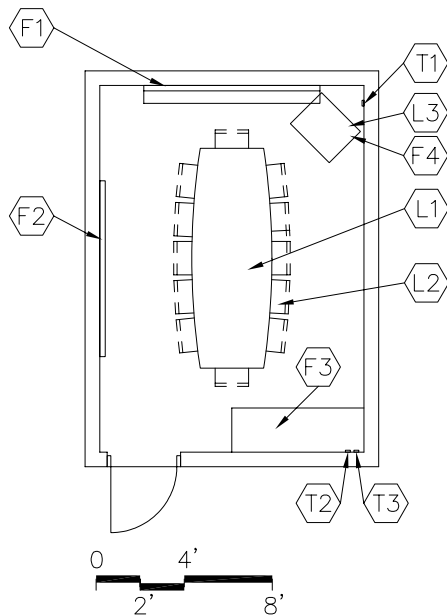
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Vinyl composition tile		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			N/A		
over metal studs or		092116/099100			
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		

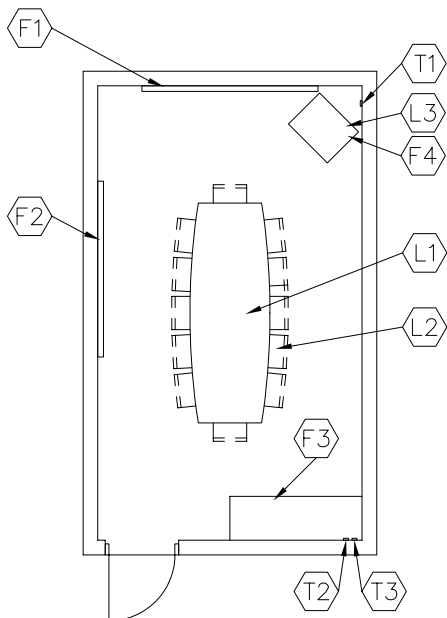
NOTES:

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.

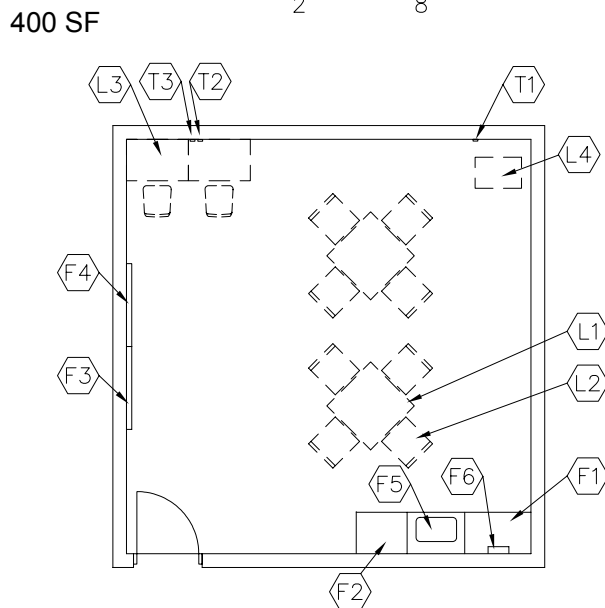
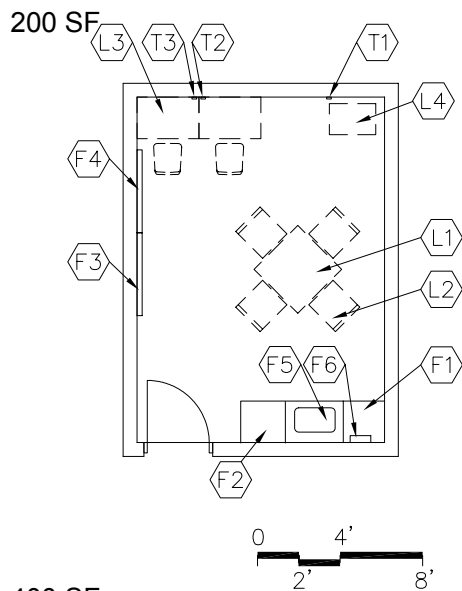
**GUIDANCE CONFERENCE
CT-AD-14**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#		Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or</i> Carpet Tile	096816	F1 6'-8' of chalk/marker board	101100
	096813	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	092116/099100	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.

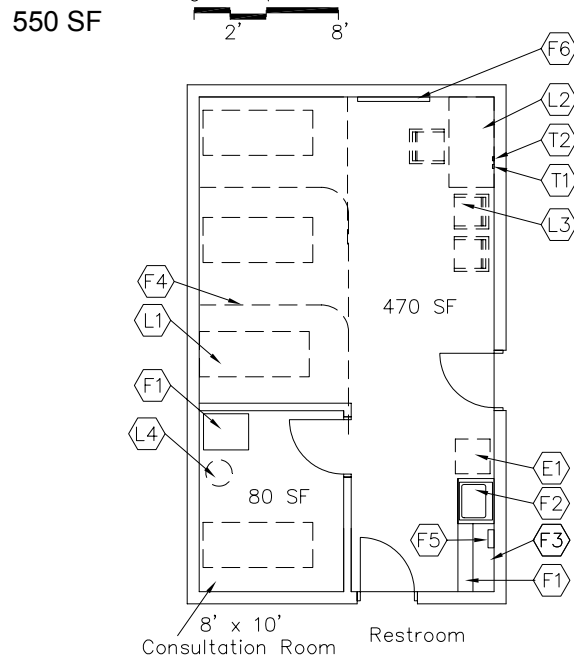
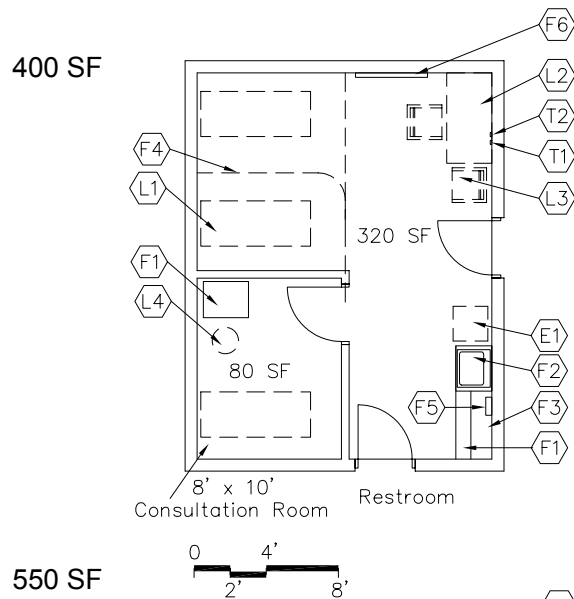
**PARENT/VOLUNTEER
CT-AD-15**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or</i> Carpet Tile	096816	F1 About 3' of base cabinets	123550
	096813	F2 2' of tall wardrobe or coat cabinet (optional)	123550
Base:		F3 4' of chalk/marker board (optional)	101100
Resilient base	096500	F4 4' of tack board or tackable wall surface	101100
Ceiling:		F5 3' sink base cabinet	123550
Suspended, acoustical	095113	F6 Towel dispenser	102813
Walls:		<u>Fire Suppression:</u>	
Painted gypsum wallboard over metal studs	092116/099100	Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Table		Sink	224000
L2 Chairs		Plumbing connections	224000/221116/221119
L3 Computer workstation furniture			
L4 Monitor cart		<u>HVAC:</u>	
Wastebasket		Supply/return air system	Div. 15
Pencil sharpener		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 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 near workstation	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.



CAPACITY: 3 - 4 patients
 SIZE: 400 - 550 SF
 ANCILLARY SPACES: Restroom
 CT-AD-11

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

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

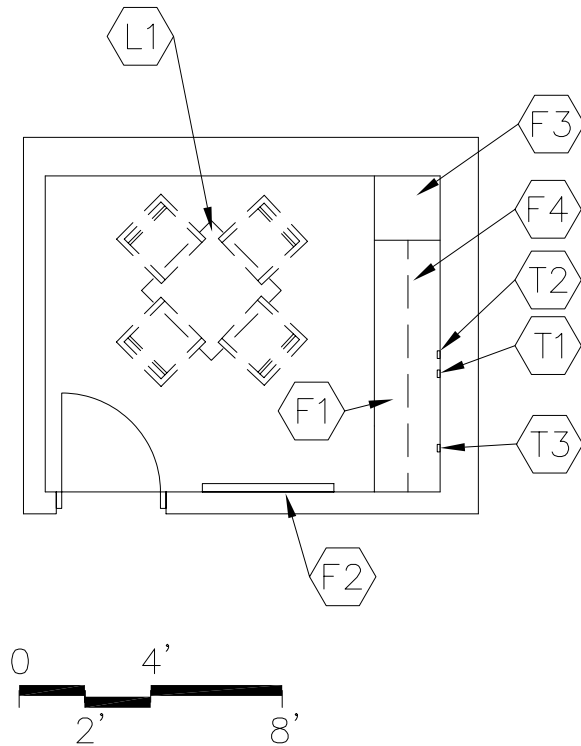
CT-AD-16

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#		Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Vinyl composition tile, linoleum, rubber, VET, sheet vinyl, or resinous flooring	096516 096500 096723	F1 4'-9' of base cabinets	123550
		F2 3' sink base cabinet	123550
		F3 4'-9' of wall cabinets, lockable	123550
		F4 Cubicle curtain and track	102123
		F5 Towel dispenser	102813
		F6 4' of tack board	101100
<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	095113	Sink	224000
<u>Walls:</u>		Plumbing connections	224000/221116/221119
Painted gypsum wallboard over metal studs	092116/099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
L1 Cots		Independent temperature control	230923
L2 Desk and chair		<u>Electrical:</u>	
L3 Chairs		Single level switching	262726
L4 Stool		Fluorescent lighting	265100
Wastebasket		Illumination level: See Table 8600-4	
<u>EQUIPMENT:</u>		2 duplex receptacles	262726
E1 Refrigerator with ice making capabilities		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	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.



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.

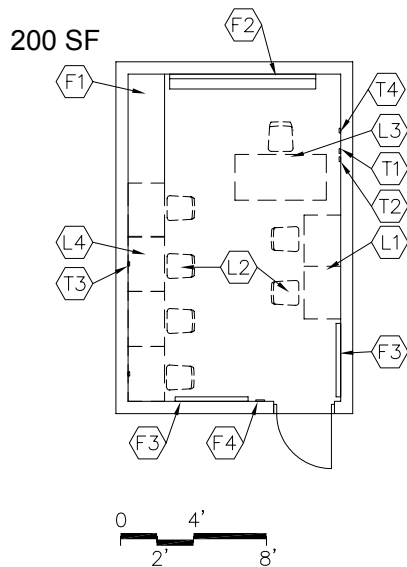
**ITINERANT PERSONNEL
CT-AD-17**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Carpet <i>or</i> Carpet Tile		096816	F1 Work surface with file drawers(optional)		123550
		096813	F2 4' of tack board		101100
			or tackable wall surface		
Base:			F3 2' of tall wardrobe (optional)		123550
Resilient base		096500	F4 Wall cabinets		123550
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>HVAC:</u>		
<u>LOOSE FURNISHINGS:</u>			Supply/return air system		Div. 23
L1 Table and chairs			Independent temperature control		230923
Wastebasket			(coupled with similarly loaded 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		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:

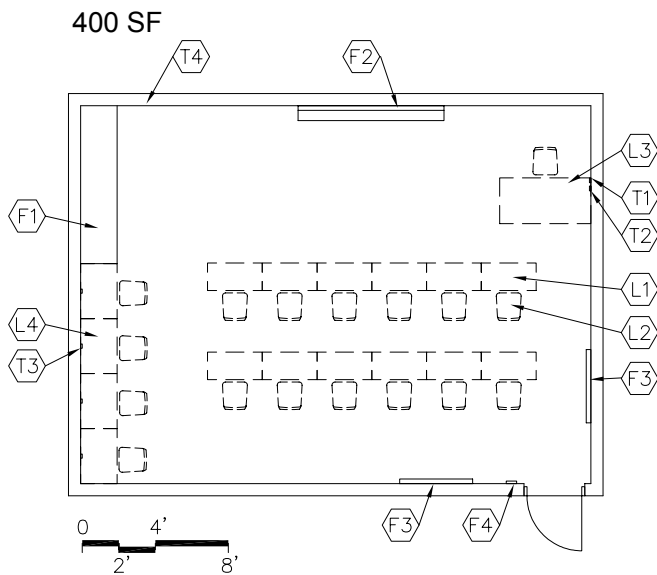
- Instructional area for students who require time away from the normal classroom due to behavioral problems

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**



CAPACITY:
SIZE:

5 - 8 students
200 - 400 SF

NOTES:

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

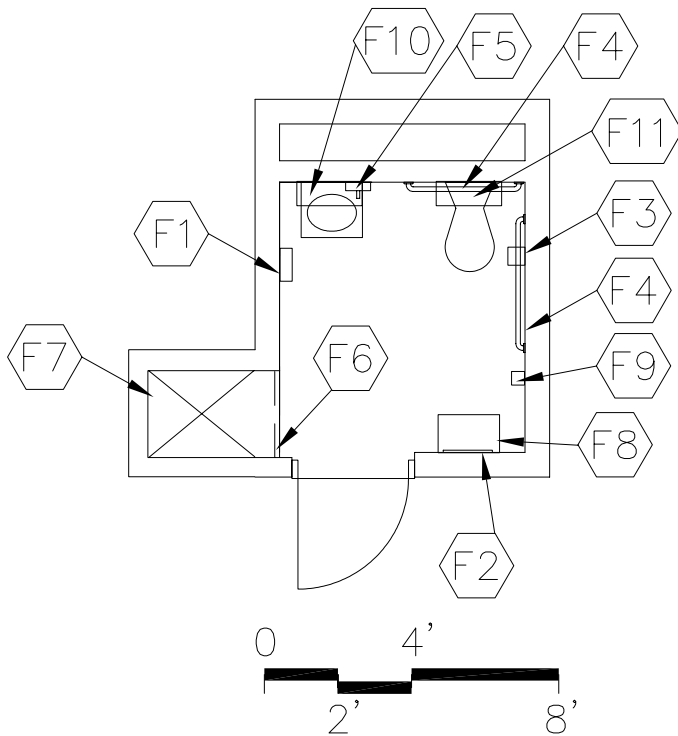
IN-SCHOOL SUSPENSION
CT-AD-18

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Carpet, VCT, VET, linoleum,		096816	F1 3'-4' of base cabinets (optional)		123550
sheet vinyl, or rubber		096500	F2 6'-8' of chalk/marker board		101100
		096516	F3 4'-8' of tack board		101100
			F4 Pencil sharpener support		062000
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 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		
Pencil sharpener			each data and video port		262726
			<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.



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Adjacent to health clinic

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 person
 SIZE: 56 SF
 ANCILLARY SPACES: Health Clinic
 CT-AD-16

NOTES:

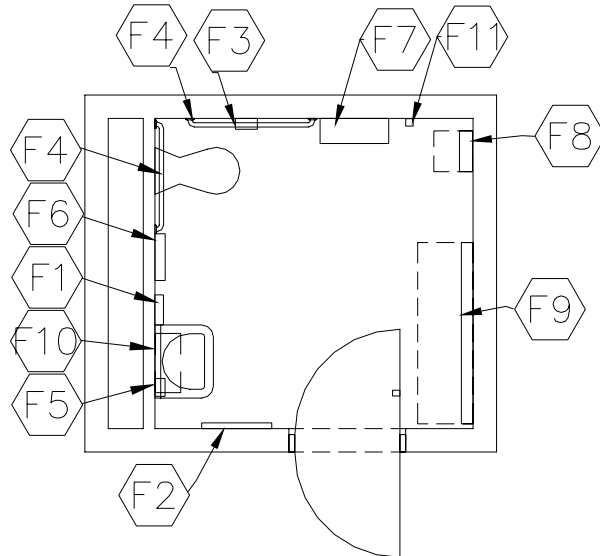
**CLINIC RESTROOM
CT-AD-19**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
<u>Flooring:</u>			<u>Fixed Items:</u>		
Restroom: Linoleum, VET, vinyl		096516	F1 Towel dispenser		102813
sheet, rubber sheet flooring,		096500	F2 24" x 60" mirror		102813
or resinous flooring		096723	F3 Toilet tissue holder		102813
Shower: Ceramic mosaic tile,		093000	F4 36" and 42" grab bar		102813
porcelain tile, or resinous flooring			F5 Soap dispenser		102813
			F6 Shower curtain and rod		102813
			F7 ADA shower accessories		102813
			F8 Base cabinets		123550
			F9 Towel hook		102813
			F10 Shelf (optional)		102813
			F11 8" deep wall cabinet above toilet		102813
<u>Base:</u>			<u>Fire Suppression:</u>		
Restroom: Resilient base, resinous		096500	Fire suppression system		211000
flooring, or integral vinyl cove base		096723			
		093000			
Shower: Ceramic mosaic tile base,					
porcelain tile, resinous flooring, or					
integral vinyl cove base					
<u>Ceiling:</u>			<u>Plumbing:</u>		
Restroom: Suspended, acoustical		095113	Wall-mounted water closet		224000
Shower: Painted portland			Wall-mounted lavatory		224000
cement plaster or		092400/099100	ADA shower controls and head		224000
interior finish system		092513	Plumbing connections		224000/221116/221119
<u>Walls:</u>			<u>HVAC:</u>		
Epoxy painted concrete			Exhaust air system		Div. 23
masonry units		042000/099100	Supplemental heat as required		Div. 23
or ceramic wall tile in shower		093000			
and latex paint in restroom		099100			
<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.



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Located **where best**, but accessible to all building occupants

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:

2 people
80 SF

NOTES:

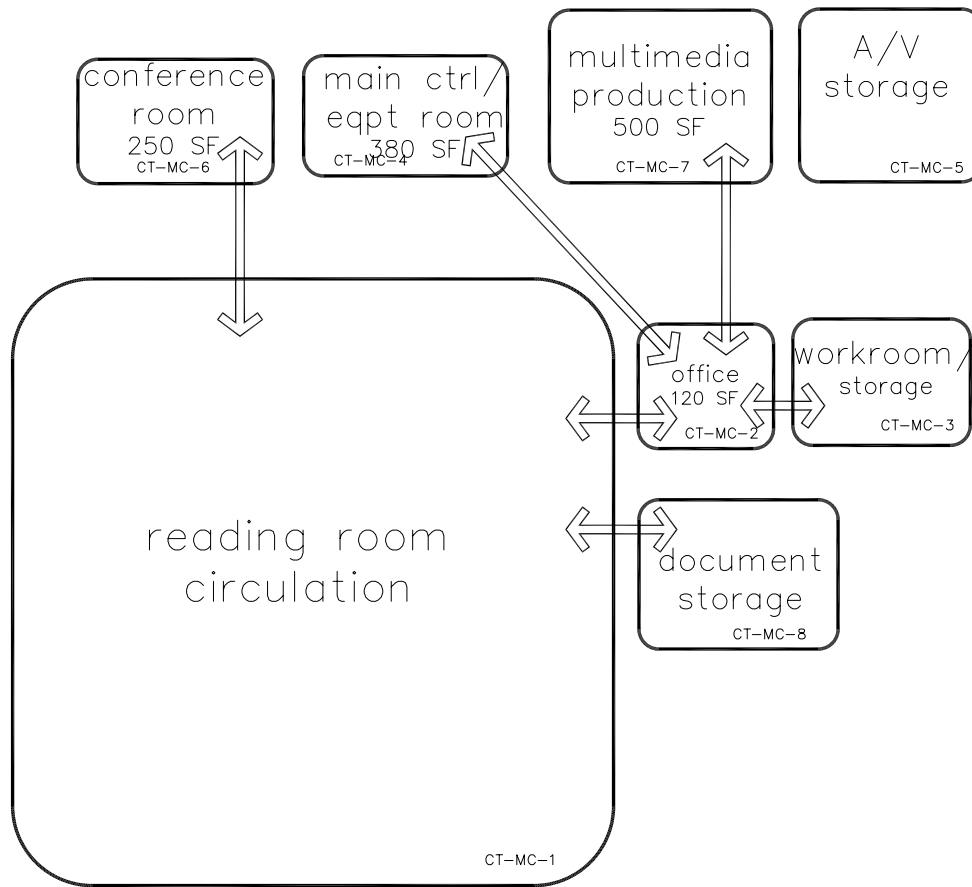
FAMILY RESTROOM
CT-AD-20

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.			Spec.
		Ref.#			Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Linoleum, rubber, VET,		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
Base:			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
or integral vinyl cove base			F11 Coat hooks		102813
Ceiling:			<u>Fire Suppression:</u>		
Suspended, acoustical		095113	Fire suppression system		211000
Walls:			<u>Plumbing:</u>		
Painted concrete masonry units			Wall-mounted water closet		224000
		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:

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



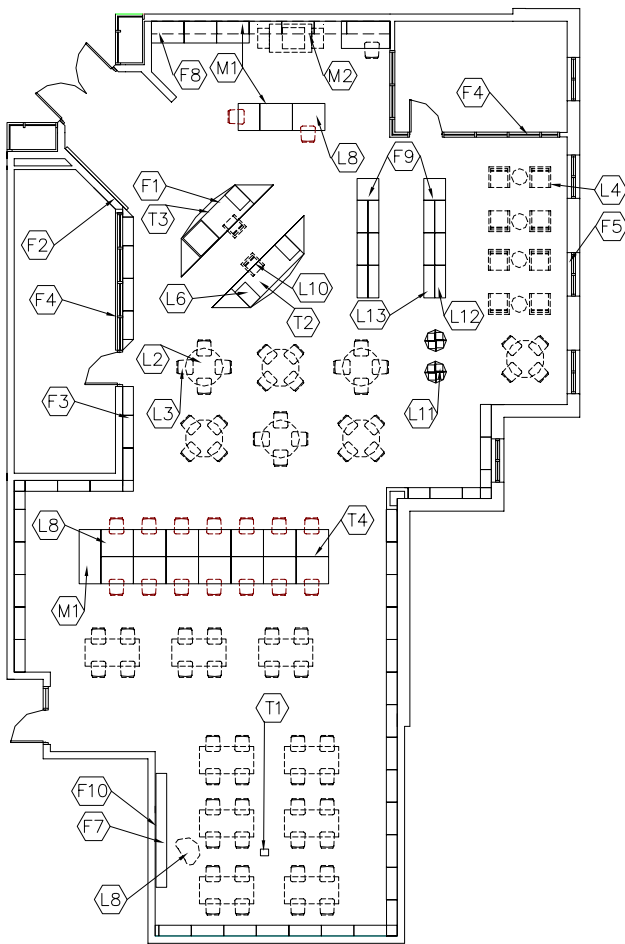
NOTE:

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

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK



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.

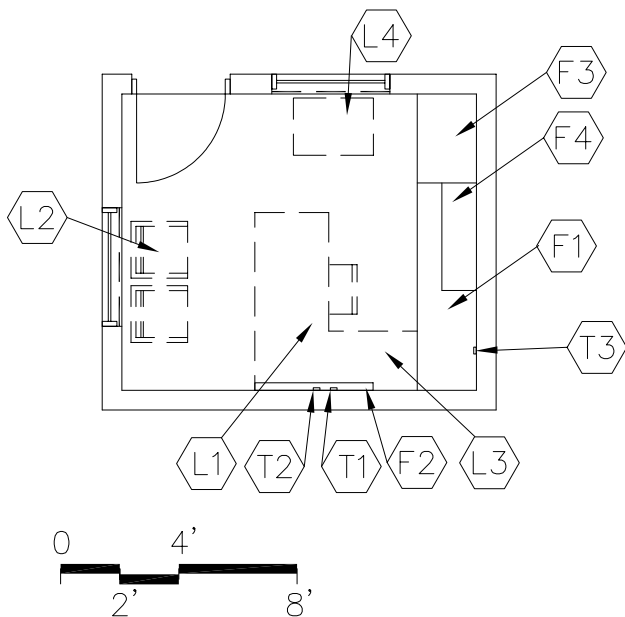
**READING ROOM/CIRCULATION
CT-MC-1**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Carpet <i>or Carpet Tile</i>		096816	F1	Circulation desk casework	123550
		096813	F2	6'-10' of tack board or tackable wall surface	101100
Base:			F3	Library book shelving	115123
Resilient base		096500	F4	Interior windows	081113/088000
Ceiling:			F5	Windows with integral blinds or shades	085113
Suspended, acoustical		095113	F6	Pencil sharpener support (optional)	062000
Walls:			F7	6'-10' of chalk/marker board	101100
Painted concrete masonry units			F8	Technology support casework	123550
	042000/099100		F9	Search station terminals	123550
Acoustical wall treatment		098000	F10	Projection screen (optional)	115213
<u>LOOSE FURNISHINGS²:</u>			<i>Roller window shades (optional)</i>		122413
L1	Mobile book carts		<u>Fire Suppression:</u>		
L2	Student tables			Fire suppression system	211000
L3	Student chairs		<u>Plumbing:</u>		
L4	Casual seating chairs			N/A	
L5	Study carrels (optional)		<u>HVAC:</u>		
L6	(3) Desk height file cabinets			Supply/return air system	Div. 23
L7	Atlas stand (optional)			Independent temperature control	230923
L8	Computer workstation furniture		<u>Electrical:</u>		
L9	Dictionary stand (optional)			Fluorescent lighting:	265100
L10	Circulation desk task chair			Illumination level: See Table 8600-4	
L11	Paperback book racks			Multilevel switching	262726
L12	Newspaper racks			10 duplex receptacles	262726
L13	Magazine display			Double duplex receptacle adjacent to each data and video port	262726
	Wastebaskets			Emergency lighting per code	265100
	Pencil sharpener (optional)			Means of egress lighting per code	265100
			<u>Communications:</u>		
			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.



CAPACITY:
SIZE:

1 - 3 persons
120 SF

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**

NOTES:

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

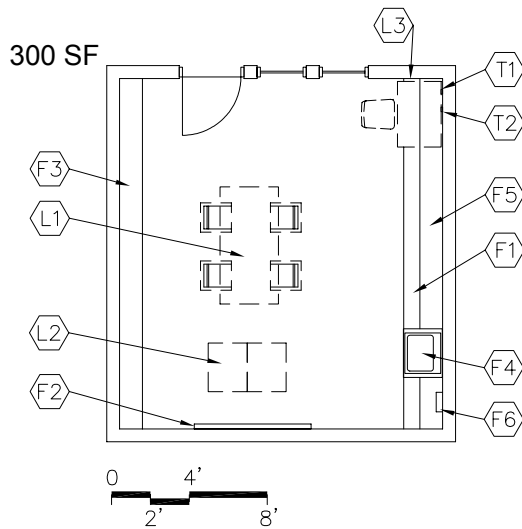
MEDIA SPECIALIST OFFICE
CT-MC-2

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
Flooring:			<u>Fixed Items:</u>		
Carpet <i>or</i> Carpet Tile		096816	F1 Work surface with file drawers		123550
		096813	F2 4' of tack board		101100
			or tackable wall surface		
Base:			F3 2' of tall wardrobe		123550
Resilient base		096500	F4 Wall cabinets		123550
			F5 Bookcases (optional)		123550
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>			Supply/return air system	Div. 23	
L1 Desk and chair			Independent temperature control	230923	
L2 Visitor chairs			(coupled with similarly loaded		
L3 Computer desk return			adjacent spaces)		
L4 File cabinet			<u>Electrical:</u>		
Wastebasket			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>		
			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:

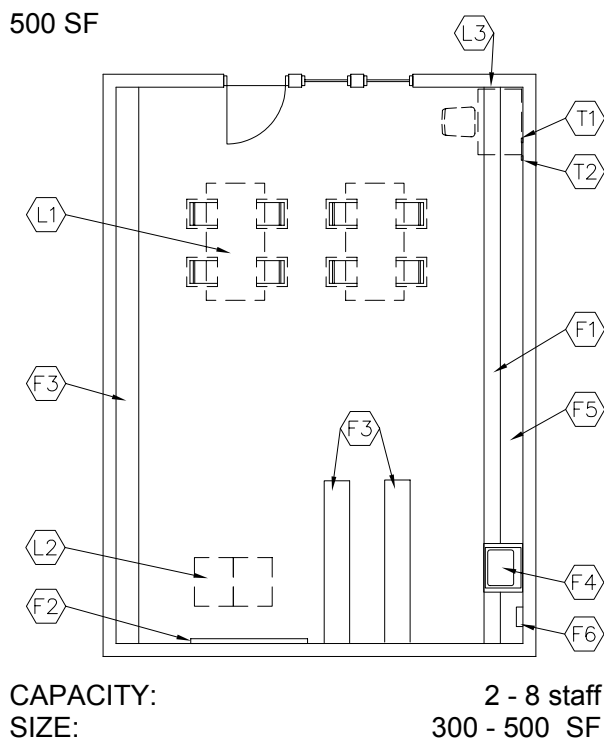
- Space for receiving, processing, and repairing media material

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

NOTES:

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

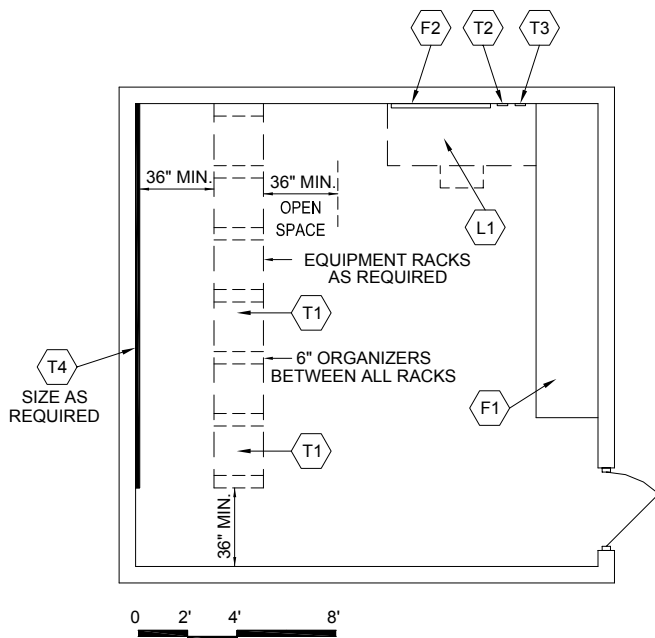
WORKROOM/STORAGE
CT-MC-3

CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items²:</u>	
Vinyl composition tile	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		<u>Fire Suppression:</u>	
042000/099100		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.



CAPACITY: N/A
 SIZE: 300 - 400 SF

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

NOTES:

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

MAIN CONTROL / EQUIPMENT ROOM
CT-MC-4

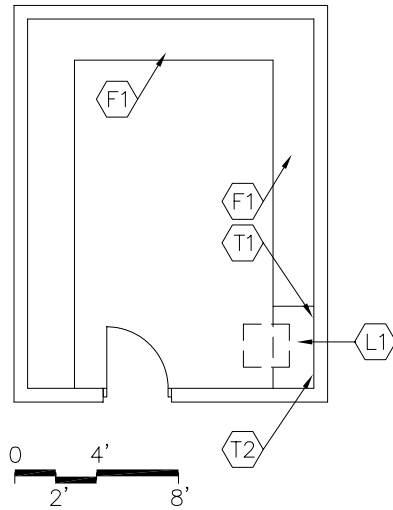
CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Vinyl composition tile, VET, or sheet vinyl	096500	F1 8'-16' of open shelving, depth may vary (fixed or loose)	123550
		F2 4' of tack board (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 concrete masonry units 042000/099100		Independent, packaged system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Desk and chair		Single level switching	262726
Wastebasket		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.

250 SF

**PROGRAM ACTIVITIES:**

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

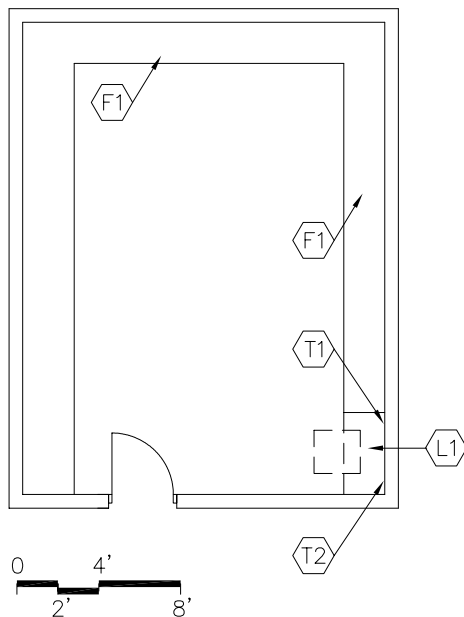
SPATIAL RELATIONSHIPS:

- Near media specialist office
- Near workroom/storage

ENVIRONMENTAL CONSIDERATIONS:

N/A

350 SF

CAPACITY:
SIZE:N/A
250 - 350 SF**NOTES:**

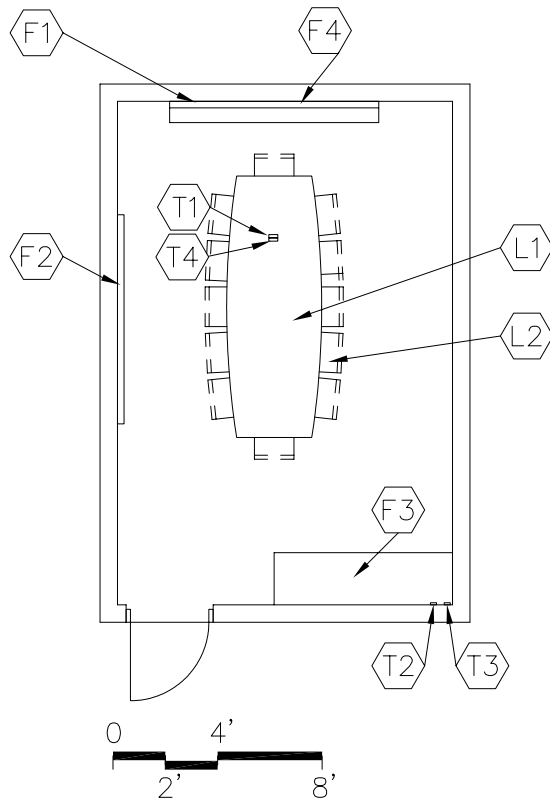
A/V STORAGE
CT-MC-5

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.		Spec.
		Ref.#		Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>	
Flooring:			<u>Fixed Items³:</u>	
Vinyl composition tile		096500	F1 8' – 26' 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 units			N/A	
		042000/099100	<u>HVAC:</u>	
			To be determined by Design Professional	
<u>LOOSE FURNISHINGS:</u>			<u>Electrical:</u>	
L1 Desk and chair			Single level switching	262726
Wastebasket			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.



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>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#		Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items²:</u>	
Carpet <i>or</i> Carpet Tile	096816	F1 8'-10' of chalk/marker board	101100
	096813	F2 6'-8' of tack board	101100
<u>Base:</u>		F3 4'-6' of base cabinets (optional)	123550
Resilient base	096500	(fixed or mobile)	
<u>Ceiling:</u>		F4 Projection screen (optional)	115213
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted concrete masonry units		<u>Plumbing:</u>	
	042000/099100	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	

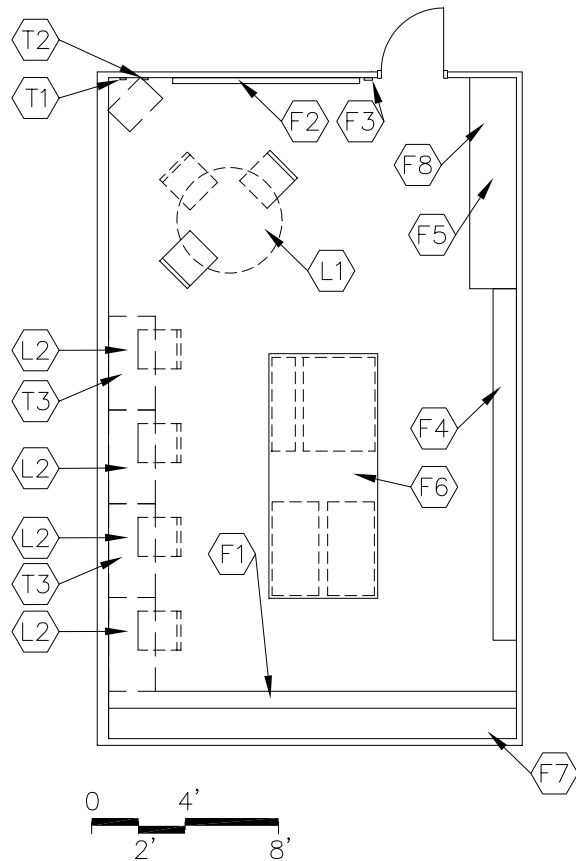
NOTES:

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

500 SF



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.

MULTIMEDIA PRODUCTION ROOM
CT-MC-7

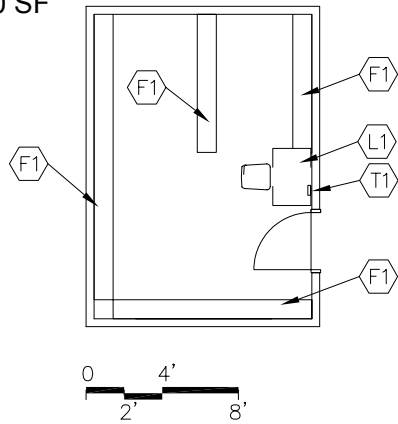
CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items²:</u>	
Vinyl composition tile, linoleum, VET, sheet vinyl, or rubber	096500 096516	F1 6'-18' of base cabinets with different types of storage	123550
		F2 4'-8' of tack board	101100
<u>Base:</u>		F3 Pencil sharpener support (optional)	062000
Resilient base	096500	F4 4' - 16' of tall bookcases	123550
		F5 3' - 9' of tall cabinets	123550
<u>Ceiling:</u>		F6 Work surface	123550
Suspended, acoustical	095113	F7 6'-18' of wall cabinets	123550
		F8 Technology support casework (if applicable)	123550
<u>Walls:</u>			
Painted concrete masonry units	042000/099100	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Tables and chairs/stools		N/A	
L2 Computer workstation furniture		<u>HVAC:</u>	
Wastebasket		Supply/return air system	Div. 23
Pencil sharpener (optional)		Independent temperature control	230923
		<u>Electrical:</u>	
		Multilevel 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 and video display device	271533/271543/274119
		T2 1 voice port and phone	271513/273113
		T3 4 data ports	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior windows for supervision (optional)	081113/088000
		The following items to be provided by the school district:	
		Copier, scanner, printers, binders, laminators	

NOTES:

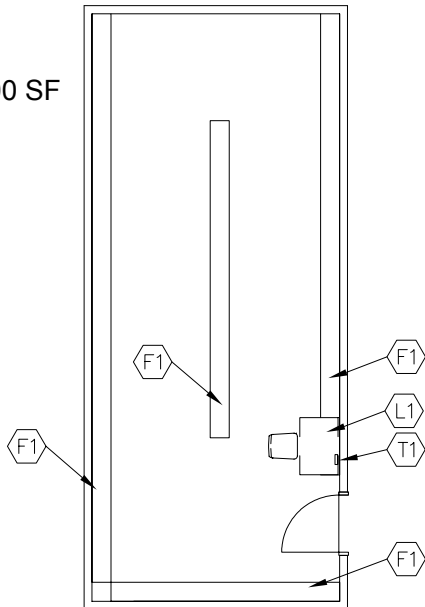
1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

200 SF



0 4' 8'
2'

400 SF



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:

- Loose furnishings shown represent one of many possible arrangements.

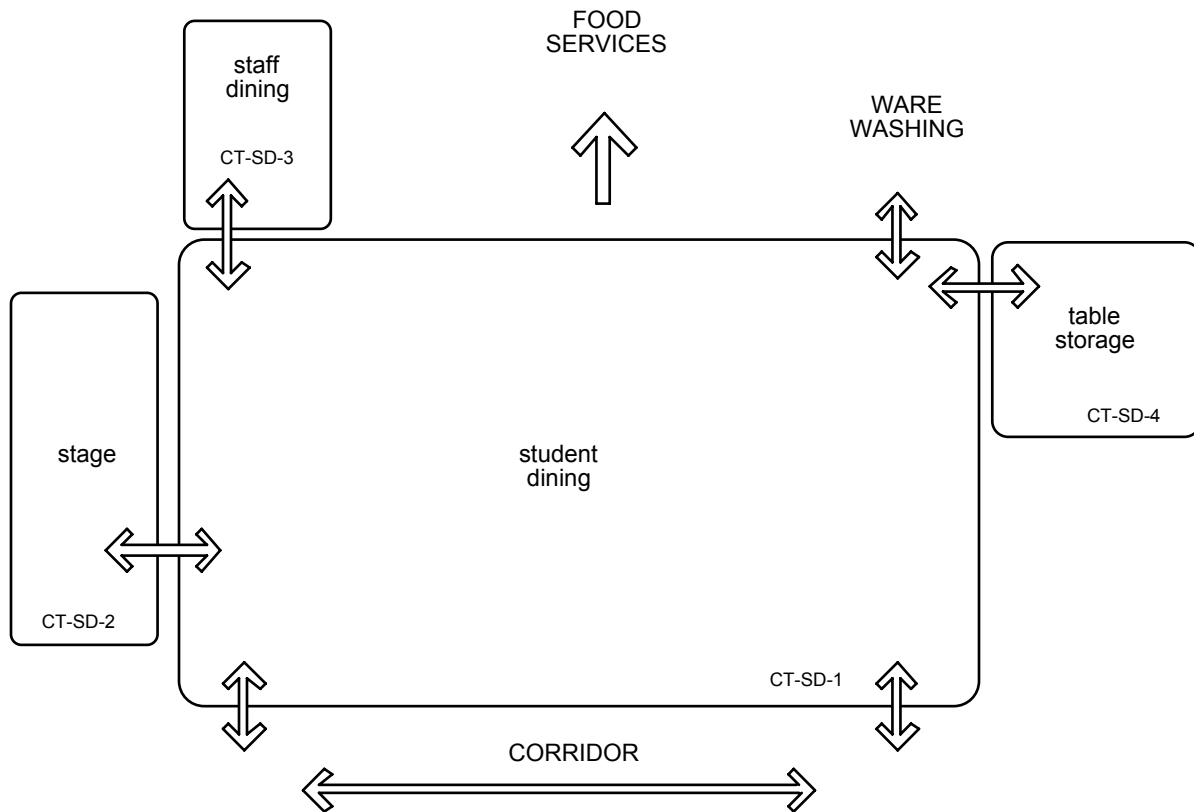
DOCUMENT STORAGE
CT-MC-8

CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES:</u>	
Flooring:		<u>Fixed Items²:</u>	
Vinyl composition tile	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	042000/099100	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Computer worksurface		To be determined by Design Professional	
		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.

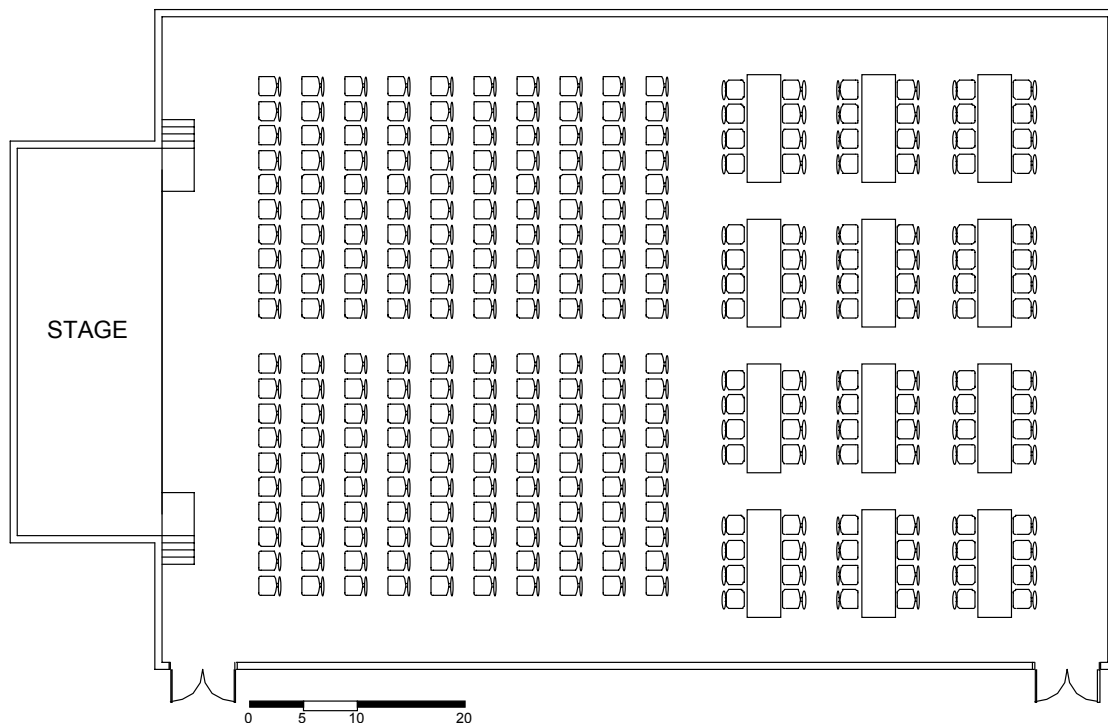
**NOTE:**

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

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK



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.

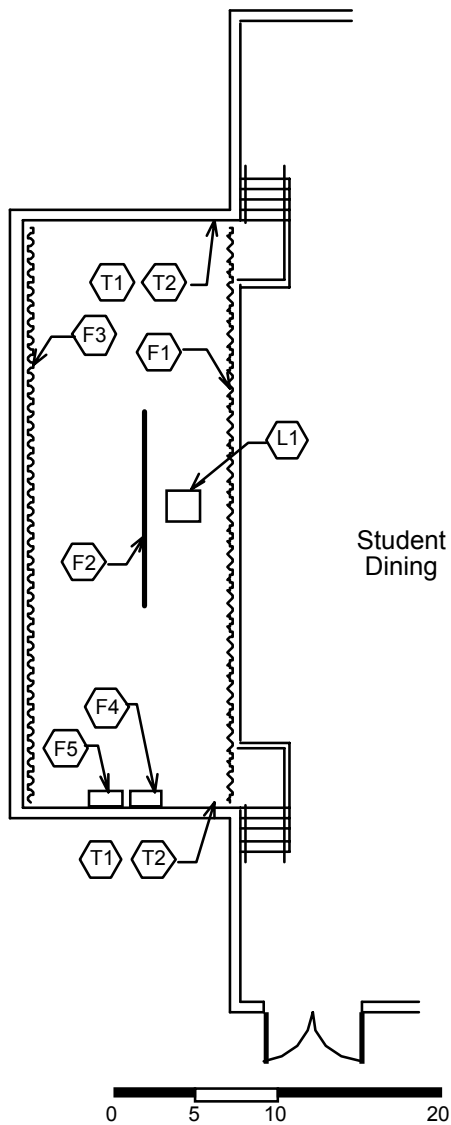
STUDENT DINING
CT-SD-1

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.			Spec.
		Ref.#			Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Linoleum, rubber, VET,	096500		N/A		
sheet vinyl, porcelain tile,	096516				
terrazzo tile, or VCTT	093000		<u>Fire Suppression:</u>		
	096616		Fire suppression system		211000
Base:			<u>Plumbing:</u>		
Resilient base	096500		N/A		
Option: Porcelain tile base	093000				
Ceiling ³ :			<u>HVAC:</u>		
Suspended, acoustical	095113		Supply/return air system		Div. 23
Painted exposed structure	099100		Independent temperature control		230923
Reflector panels	098000		<u>Electrical:</u>		
Walls:			High intensity discharge lighting		265100
Painted concrete masonry units			or fluorescent lighting		
	042000/099100		Dimmable quartz lighting		265100
Diffusing block on 2 walls			Illumination level: see table 8600-4		
(minimum) or	042000		Multilevel switching with dimming		262726
Acoustic treatment	098000		6 duplex receptacles		262726
(varies with geometry of room)			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>LOOSE FURNISHINGS:</u>			<u>Communications:</u>		
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
Note: 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.			<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. 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**

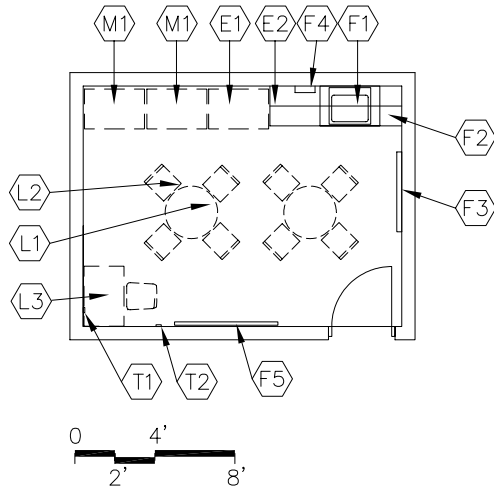
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<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
			F4	Sound control console	275121
			F5	Lighting control console	265100
Base:			<u>Fire Suppression:</u>		
Ventilated resilient base		096400		Fire suppression system	211000
Ceiling:			<u>Plumbing:</u>		
Painted exposed structure		099100	N/A		
Walls:			<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 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 ²	275121
				Central sound system	275123
			<u>Electronic Safety and Security:</u>		
				Life safety devices per code	283111
			<u>Miscellaneous:</u>		
			N/A		

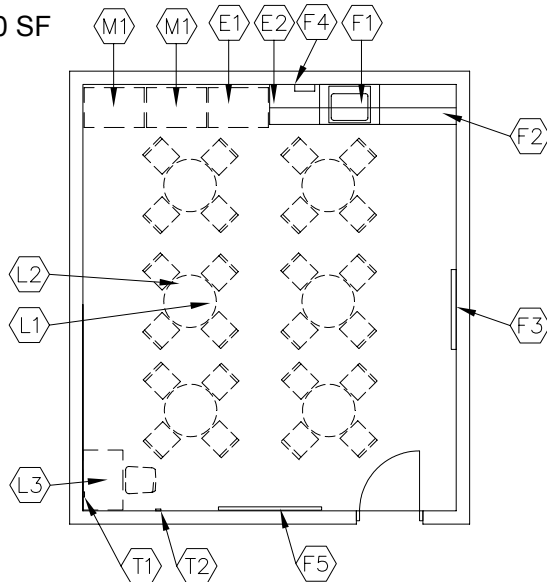
NOTES:

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.

450 SF



700 SF



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

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**

NOTES:

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

STAFF DINING
CT-SD-3

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.			Spec.
		Ref.#			Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Linoleum, VCTT, rubber, VET,	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 terrazzo tile	093000		F3 4' of tack board	101100	
	096616		F4 Towel dispenser	102813	
			F5 4'-6' of marker board (optional)	101100	
Base:			<u>Fire Suppression:</u>		
Resilient base	096500		Fire suppression system	211000	
Optional: porcelain tile base	093000		<u>Plumbing:</u>		
Ceiling:			Sink	224000	
Suspended, acoustical	095113		Plumbing connections	224000/221116/221119	
Walls:			<u>HVAC:</u>		
Painted, concrete masonry units	042000/099100		Supply/return air system	Div. 23	
<u>LOOSE FURNISHINGS:</u>			Independent temperature control	230923	
L1 Tables			<u>Electrical:</u>		
L2 Chairs			Single level switching	262726	
L3 Computer workstation			Fluorescent lighting	265100	
Waste receptacle			Illumination level: See Table 8600-4		
<u>EQUIPMENT:</u>			4 duplex receptacles	262726	
E1 Refrigerator			Double duplex receptacle adjacent to		
E2 Microwave			each video port	262726	
			Receptacles for vending machines,		
			refrigerator, and microwave	262726	
			<u>Communications:</u>		
			T1 1 video port	271533/271543	
			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>		
			The following items are to be funded by the school district:		
			M1 Vending machines		

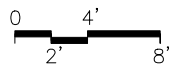
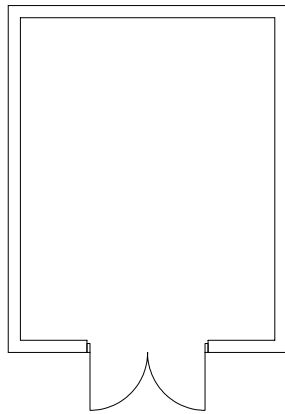
NOTES:

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

**TABLE STORAGE
CT-SD-4**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

400 SF



Student Dining

PROGRAM ACTIVITIES:

- Storage for tables and chairs

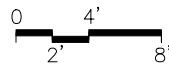
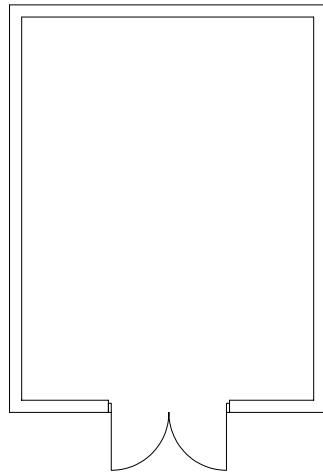
SPATIAL RELATIONSHIPS:

- Adjacent to student dining
- Near food services

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting

550 SF



Student Dining

CAPACITY:

SIZE:

ANCILLARY SPACES:

N/A

400 - 550 SF

Student Dining

CT-SD-1

NOTES:

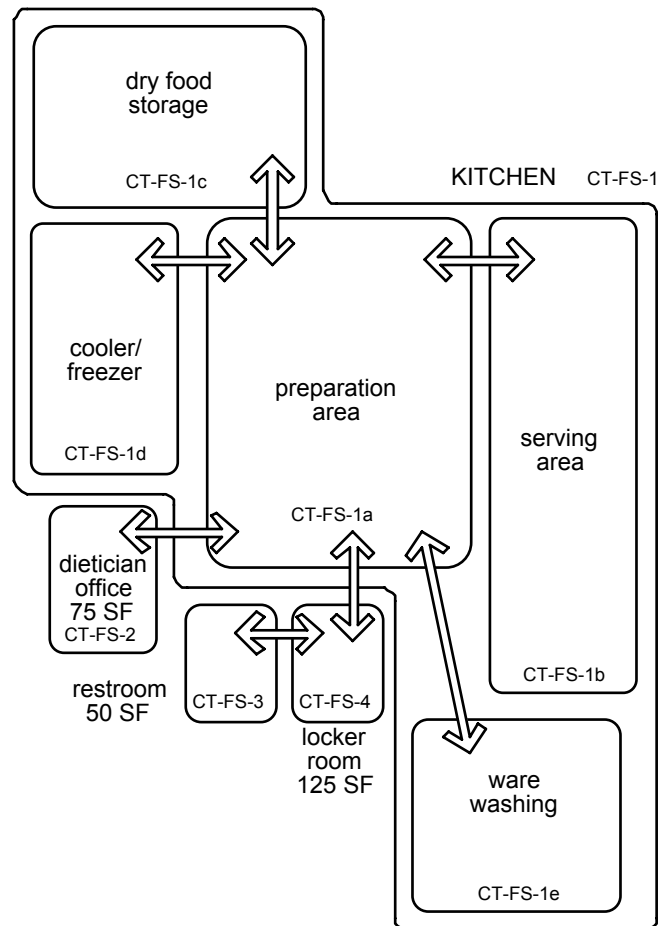
TABLE STORAGE
CT-SD-4

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Sealed 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.



NOTES:

This is an example of how the food service 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 Food Service space plates:

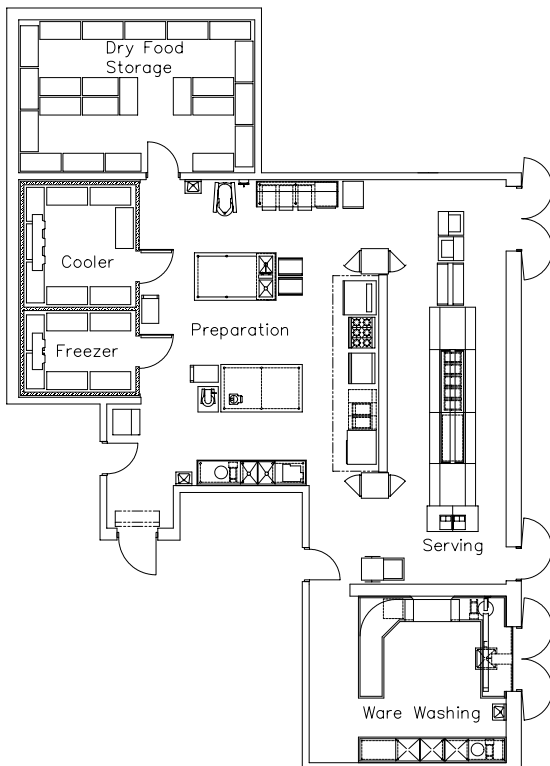
CT-FS-1	Kitchen
CT-FS-0	Warming Kitchen
CT-FS-1a	Preparation Area
CT-FS-1b	Serving Area
CT-FS-1c	Dry Food Storage
CT-FS-1d	Cooler/Freezer
CT-FS-1e	Ware Washing
CT-FS-2	Dietician Office
CT-FS-3	Restroom
CT-FS-4	Locker Room

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.

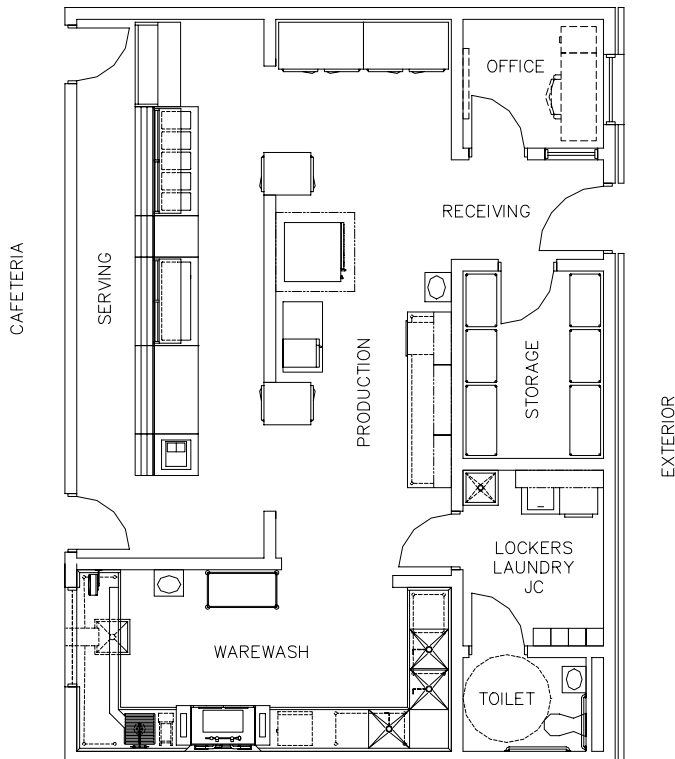
CHAPTER 6: CAREER-TECHNICAL SCHOOL

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:

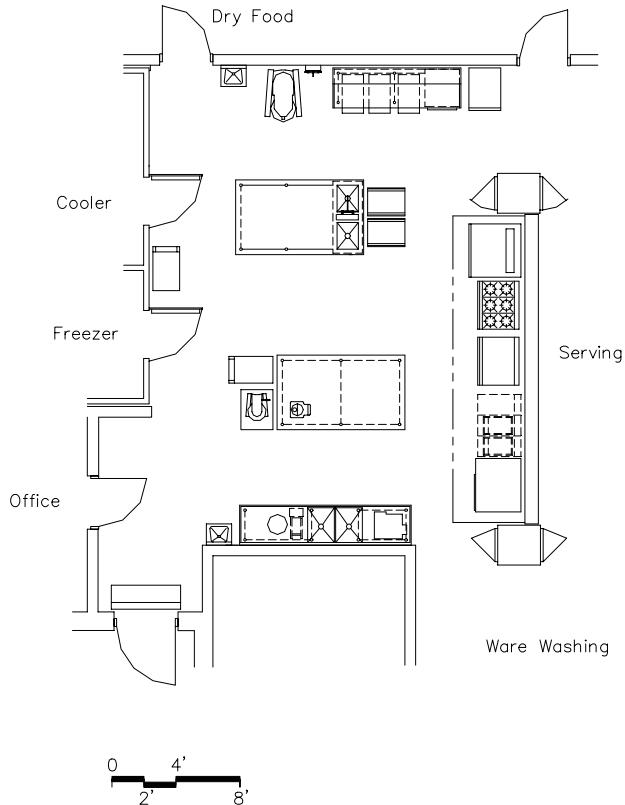
WARMING KITCHEN
CT-FS-0

CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
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
		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.



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

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

NOTES:

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

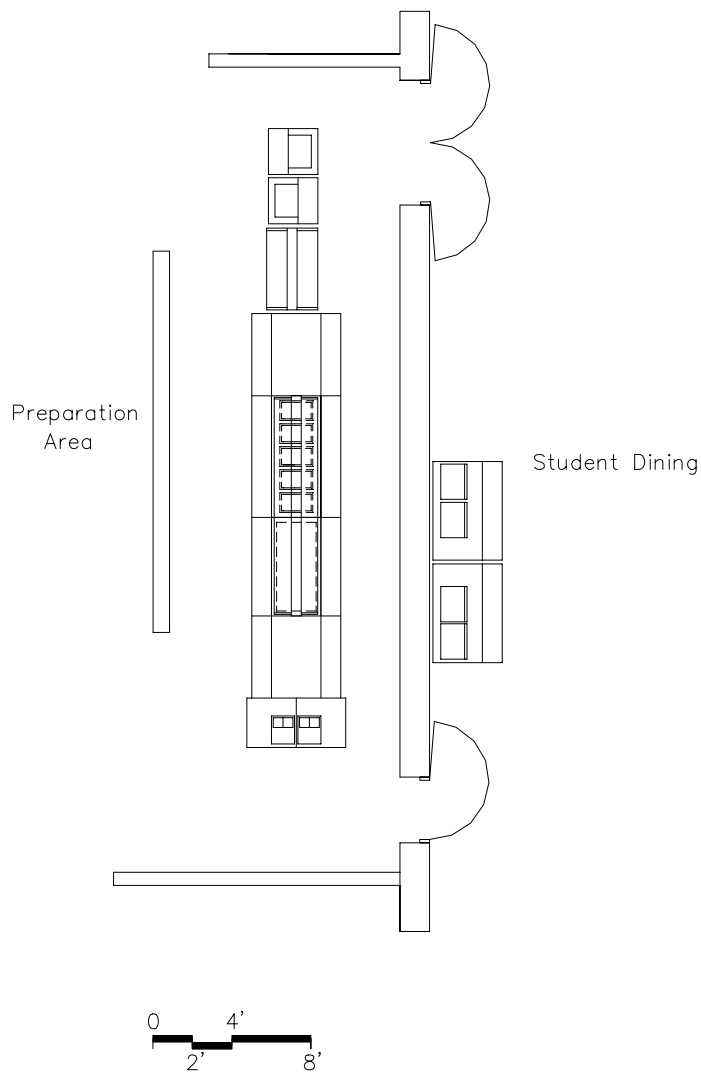
KITCHEN - Preparation Area
CT-FS-1a

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</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	042000/099100	Hand washing lavatory	224000
Option: ceramic wall tile	093000	Gas connections	226313
or latex paint	099100		
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
N/A		Supply/return air system	Div. 23
		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.



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.

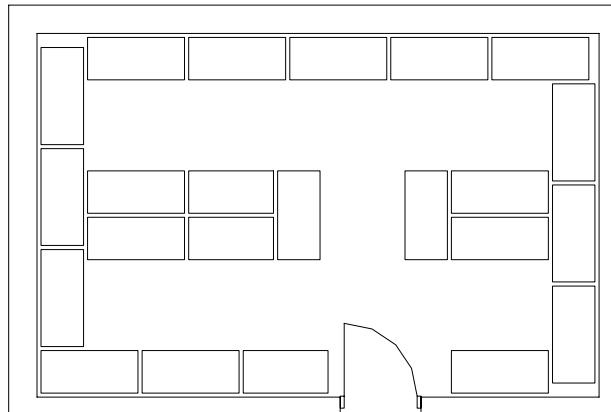
KITCHEN - Serving Area
CT-FS-1b

CHAPTER 6: CAREER-TECHNICAL SCHOOL

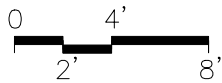
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#		Spec. Ref.#
Flooring:		Fixed Equipment:	
Quarry tile	093000	Food service equipment	114000
Optional: porcelain tile			
Base:		<u>Fire Suppression:</u>	
Quarry tile base	093000	Fire suppression system	211000
Optional: porcelain tile base			
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Connections to food service equipment	224000
Walls:		<u>HVAC:</u>	
Epoxy-painted concrete masonry units		Supply/return air system	Div. 23
	042000/099100		
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.

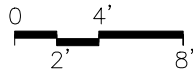
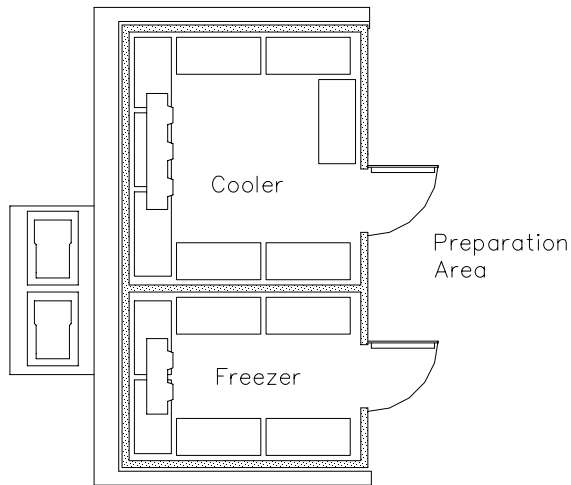
KITCHEN - Dry Food Storage
CT-FS-1c

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
Flooring:			<u>Fixed Items:</u>		
Linoleum, VET, 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
Walls:			Supply/return air system		Div. 23
Epoxy-painted concrete masonry units		042000/099100	<u>Electrical:</u>		
Option: Ceramic wall tile		093000	Single level switching		262726
or latex paint		099100	Fluorescent lighting		265100
			Illumination level: See Table 8600-4		
<u>LOOSE FURNISHINGS:</u>			1 duplex receptacle		262726
N/A			<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 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.

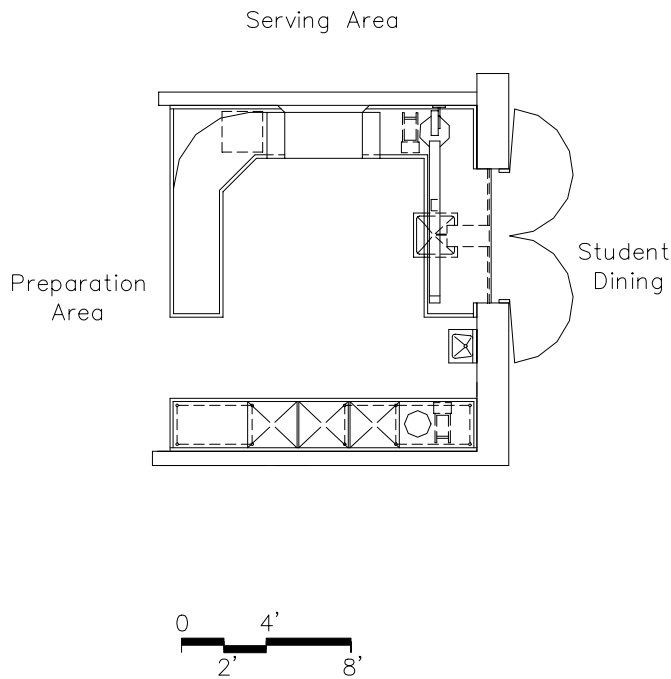
**KITCHEN - Cooler/Freezer
CT-FS-1d**

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
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>		
Manufactured insulated panel		114000	N/A		
Walls:			<u>HVAC:</u>		
Manufactured insulated panel		114000	Exhaust air system for compressors	Div. 23	
<u>LOOSE FURNISHINGS:</u>			<u>Electrical:</u>		
N/A			Single level switching		262726
			Incandescent lighting		265100
			Illumination level: See Table 8600-4		
			Electrical connections to freezer/cooler		
			refrigeration equipment		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 and refer to Chapter 10 for a list of possible food service equipment.

**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.

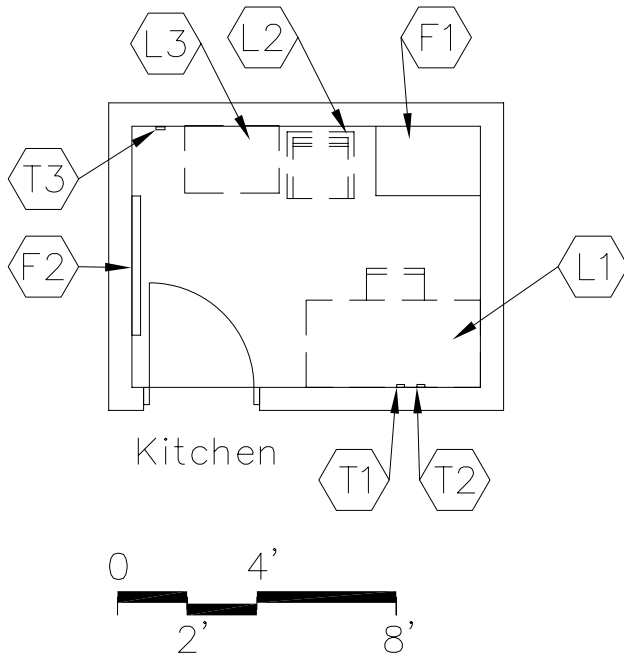
KITCHEN - Ware Washing
CT-FS-1e

CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
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	042000/099100	<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.



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

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***

NOTES:

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

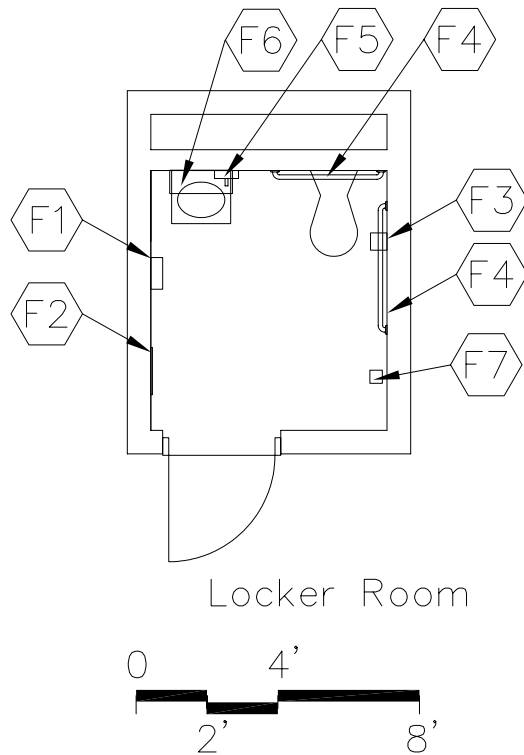
DIETICIAN'S OFFICE
CT-FS-2

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Linoleum, VET, or sheet vinyl		096500	F1 2' of tall wardrobe (optional)		123550
		096516	F2 4' of tack board		101100
Option: Quarry tile		093000			
Base:			<u>Fire Suppression:</u>		
Resilient base		096500	Fire suppression system		211000
Option: Quarry tile		093000			
Ceiling:			<u>Plumbing:</u>		
Suspended, acoustical		095113	N/A		
Walls:			<u>HVAC:</u>		
Painted concrete masonry units			Supply/return air system	Div. 23	
	042000/099100		Independent temperature control	230923	
			(coupled with similarly loaded adjacent spaces)		
<u>LOOSE FURNISHINGS:</u>			<u>Electrical:</u>		
L1 Desk and chair			Single level switching		262726
L2 Visitor chair			Fluorescent lighting		265100
L3 File cabinet			Illumination level: See Table 8600-4		
Wastebasket			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 (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.

**PROGRAM ACTIVITIES:**

- Personal and health needs for food service staff

SPATIAL RELATIONSHIPS:

- Adjacent to locker room

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 person
 SIZE: 50 SF
 ANCILLARY SPACES: Locker Room
 CT-FS-4

NOTES:

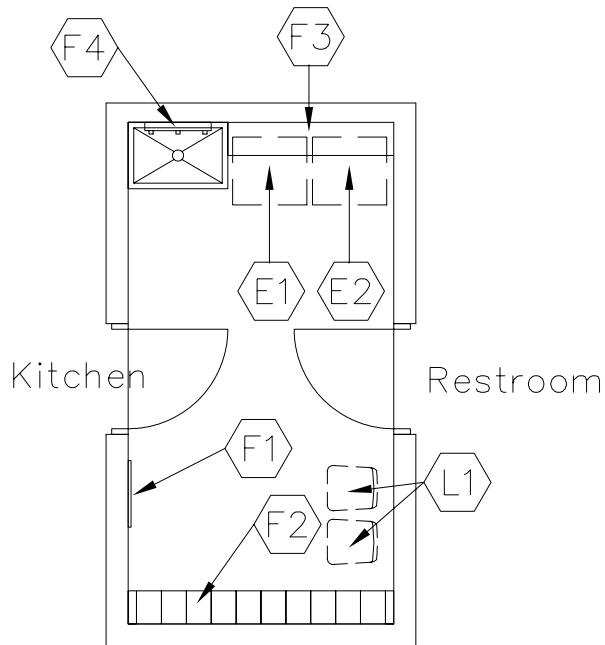
RESTROOM
CT-FS-3

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
	Spec. Ref.#		Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum, VET, sheet vinyl, or rubber	096516 096500	F1 Towel dispenser	102813 102813
Optional: quarry 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 Mirror with shelf above sink(optional)	102813
		F7 Coat hook	102813
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Optional: quarry 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>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.



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

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**

NOTES:

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

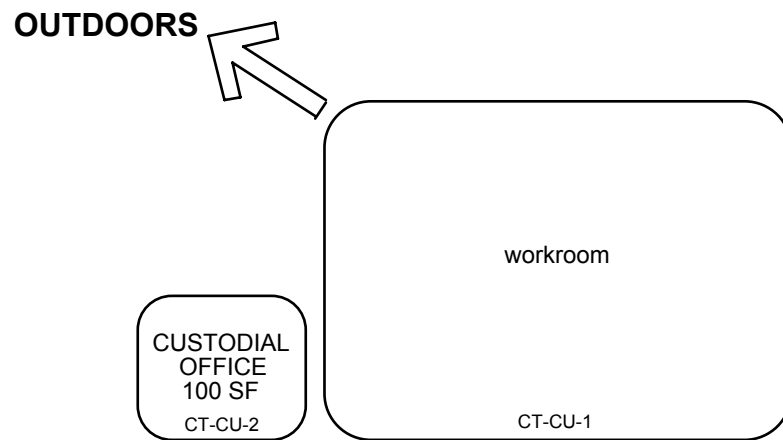
LOCKER ROOM
CT-FS-4

CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Sheet vinyl, rubber, rubber tile, or	096500		F1 24" x 60" mirror (optional)	102813	
resinous flooring	096723		F2 Lockers 12" x 12" x 60"	105113	
			F3 6' of wall cabinets or shelf (optional)	123550	
			F4 Mop holder	102813	
Base:			<u>Fire Suppression:</u>		
Resilient base, resinous flooring,	096500		Fire suppression system	211000	
or integral vinyl cove base	096723				
Ceiling:			<u>Plumbing:</u>		
Suspended, acoustical with high-impact,	095113		Plumbing connections	224000/221116/221119	
hold-down clips					
Option: exposed, painted pre-cast units	099100		Floor service sink	224000	
			Washer connection	224000	
Walls:			<u>HVAC:</u>		
Painted concrete masonry units	042000/099100		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		
<u>EQUIPMENT:</u>			1 duplex receptacle	262726	
E1 Washer			Connections for washer and dryer	262726	
E2 Dryer					
			<u>Communications:</u>		
			Central sound system	275123	
			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.

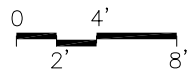
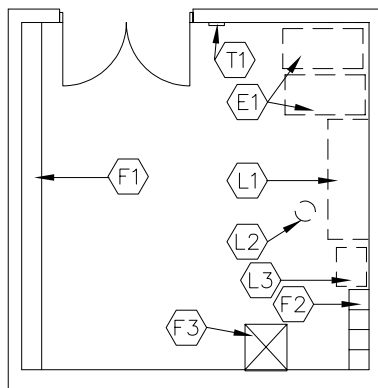
Following are the Custodial space plates:

CT-CU-1 Workroom

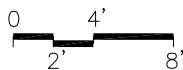
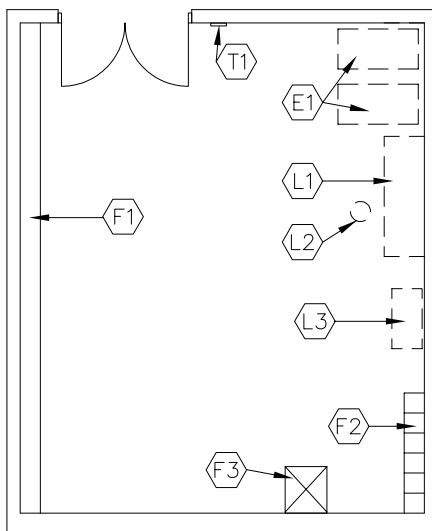
CT-CU-2 Custodial Office

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

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:

- Direct access to outside
- Near central storage area
- Near custodial office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting

NOTES:

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

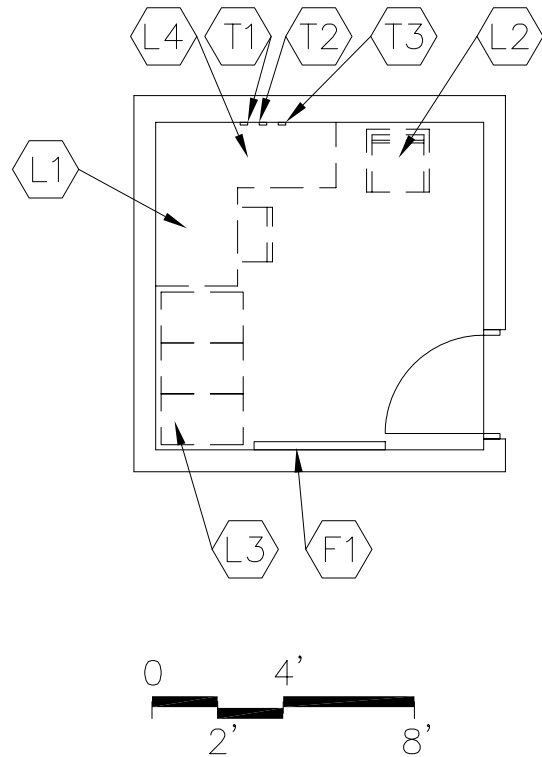
WORKROOM
CT-CU-1

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. <u>Ref.#</u>	<u>FEATURES¹:</u>	Spec. <u>Ref.#</u>
Flooring:		<u>Fixed Items²:</u>	
Sealed concrete	033000	F1 10' - 24' of open shelving, depths can vary (fixed or loose)	123550
Base:		F2 4 - 6 lockers	105113
Resilient base	096500	F3 Mop holder	102813
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	Floor service sink	224000
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Workbench		Supply/return air system	Div. 23
L2 Stool		Independent temperature control	230923
L3 Tool cabinet		<u>Electrical:</u>	
Waste receptacles		Fluorescent lighting	265100
<u>EQUIPMENT:</u>		Illumination level: See Table 8600-4	
E1 Recycling bins		Single level switching	262726
		4 duplex receptacles (minimum)	262726
		Electrical receptacles for custodial equipment	262726
		<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

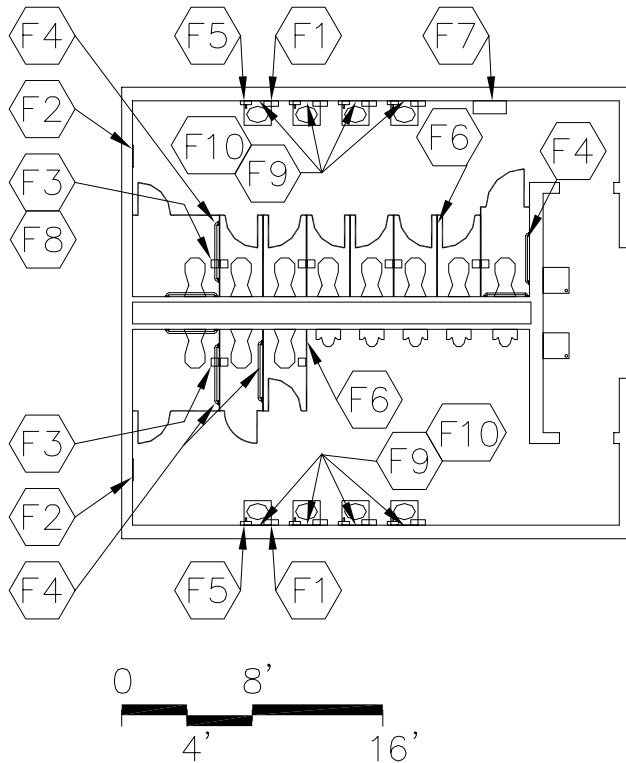
CHAPTER 6: CAREER-TECHNICAL SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Vinyl composition tile, linoleum,	096500	F1 4' of tack board (optional)	101100
VET, sheet vinyl, or	096516		
sealed concrete	033000	<u>Fire Suppression:</u>	
		Fire suppression system	211000
Base:		<u>Plumbing:</u>	
Resilient base	096500	N/A	
Ceiling:		<u>HVAC:</u>	
Suspended, acoustical	095113	Supply/return air system	Div. 23
Walls:		Independent temperature control	230923
Painted concrete masonry units		(coupled with similarly loaded	
	042000/099100	adjacent spaces)	
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Desk and chair		Single level switching	262726
L2 Visitor chair		Fluorescent lighting	265100
L3 File cabinets		Illumination level: See Table 8600-4	
L4 Computer desk return		4 duplex receptacles	262726
Wastebasket		Double duplex receptacle adjacent to	
		data and modem port	262726
		<u>Communications:</u>	
		T1 Modem port for temperature	
		controls computer	271523
		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>	
		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.

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

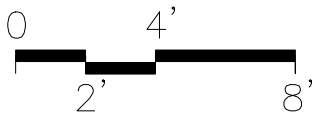
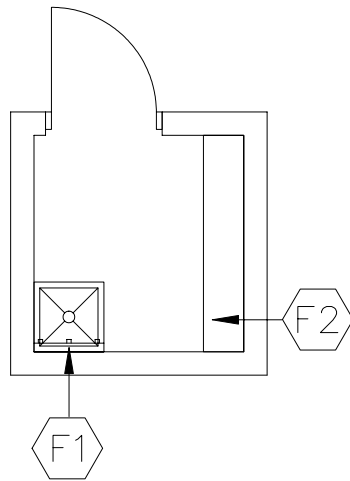
CT-GS-1

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Ceramic mosaic tile	093000	F1 Towel dispensers	102813
Optional: porcelain tile,	093000	F2 24" x 60" mirror	102813
terrazzo tile, rubber, or	096616	F3 Toilet tissue holders	102813
resinous flooring	096723	F4 36" and 42" grab bar	102813
		F5 Soap dispensers	102813
Base:		F6 Toilet partitions	102113
Ceramic mosaic tile base	093000	F7 Sanitary product dispenser	102813
Optional: structural glazed tile,	096616	F8 Sanitary product receptacles	102813
porcelain tile base, or	093000	F9 16" x 24" mirrors with shelf (optional)	102813
resinous flooring	096723	F10 Shelves (optional)	123550
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Option: Abuse resistant			
gypsum wallboard	092116	<u>Plumbing:</u>	
Walls:		Wall-mounted water closets	224000
Painted concrete masonry unit		Wall-mounted urinals	224000
	042000/099100	Wall-mounted lavatories	224000
		or wash fountains	
		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

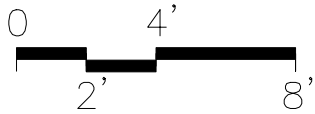
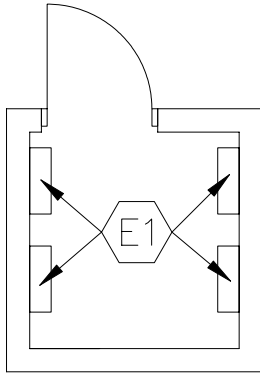
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec. Ref.#			Spec. Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Sealed concrete		033000	F1 Mop holder		102813
Vinyl composition tile (optional)		096500	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>		
<u>LOOSE FURNISHINGS:</u>			Exhaust air system		Div. 23
Shelving (optional)			<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.

**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:

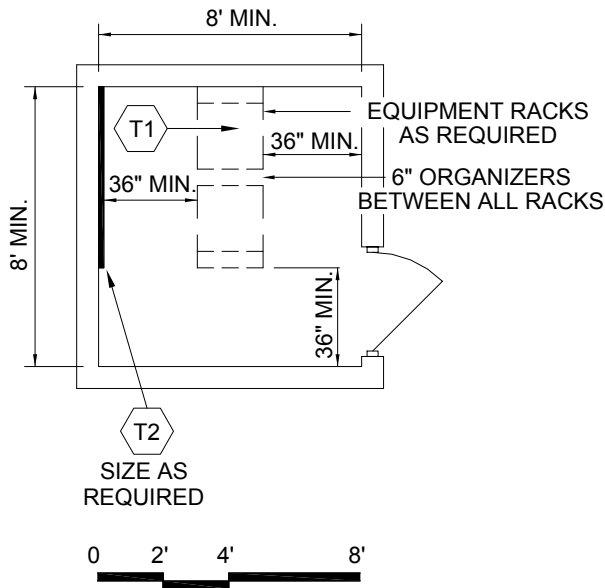
ELECTRICAL CLOSET
CT-GS-3

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. <u>Ref.#</u>	<u>FEATURES¹:</u>	Spec. <u>Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Sealed 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.



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.

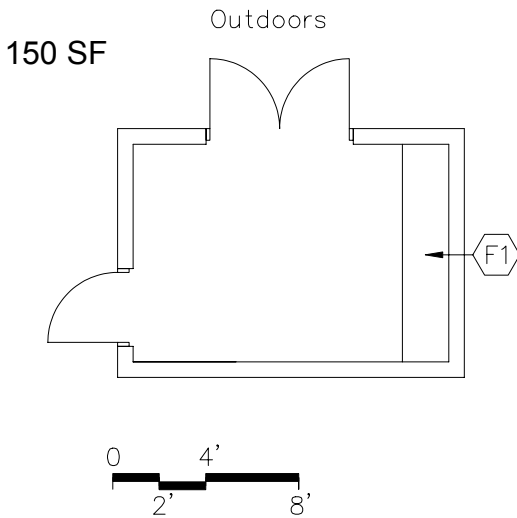
TELECOMMUNICATIONS ROOM
CT-GS-4

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed 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		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.



PROGRAM ACTIVITIES:

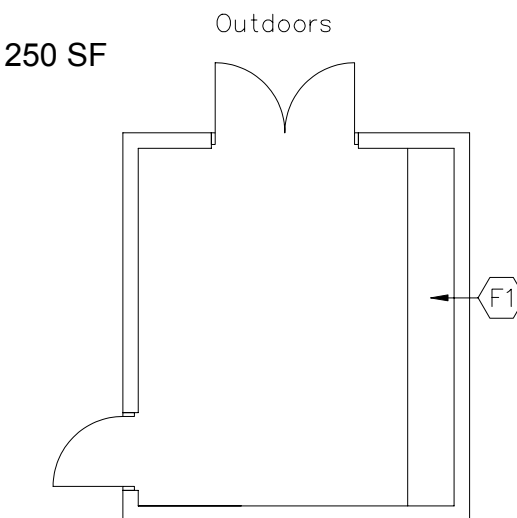
- Space for storage of outdoor custodial equipment

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

N/A

CAPACITY:
SIZE:N/A
150 - 500 SFNOTES:

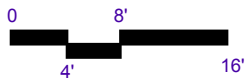
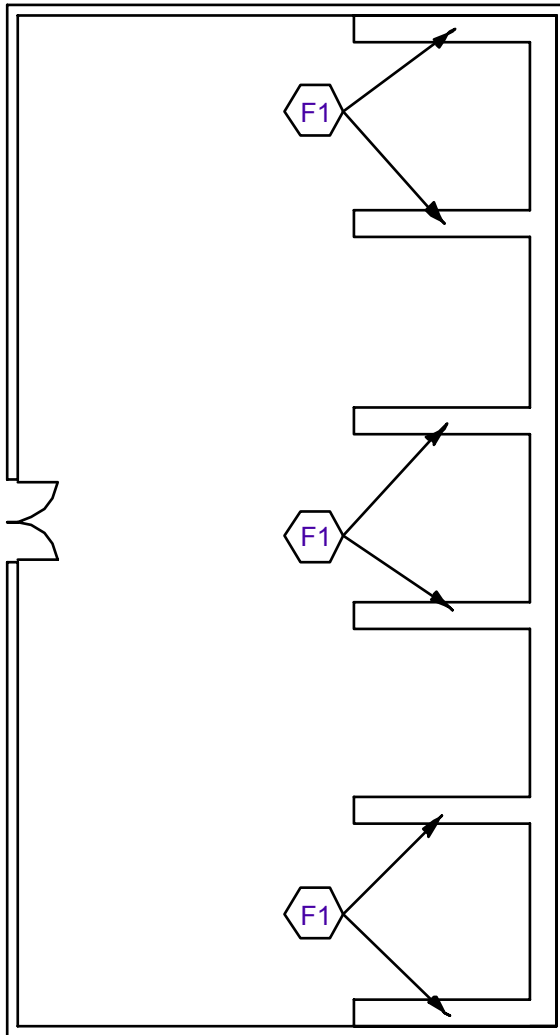
STORAGE AREA
CT-GS-5

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
Sealed 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
<u>LOOSE FURNISHINGS</u>		Supplemental heat as required	Div. 23
N/A		<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.



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

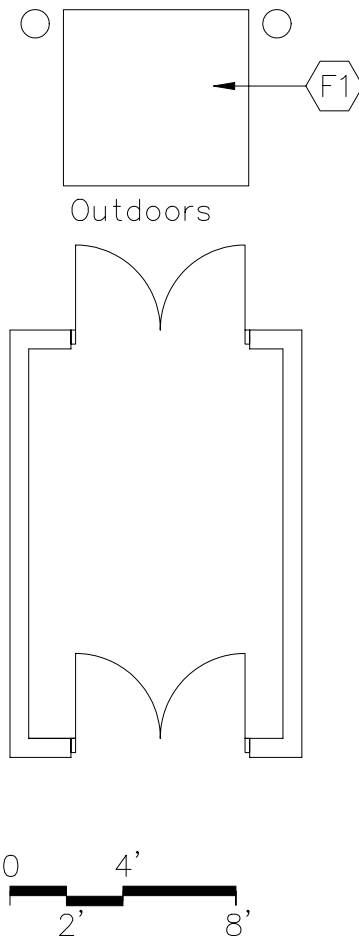
CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
Sealed 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.

Space to be determined by
Design Professional.



CAPACITY:
SIZE:

N/A
120 SF

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

NOTES:

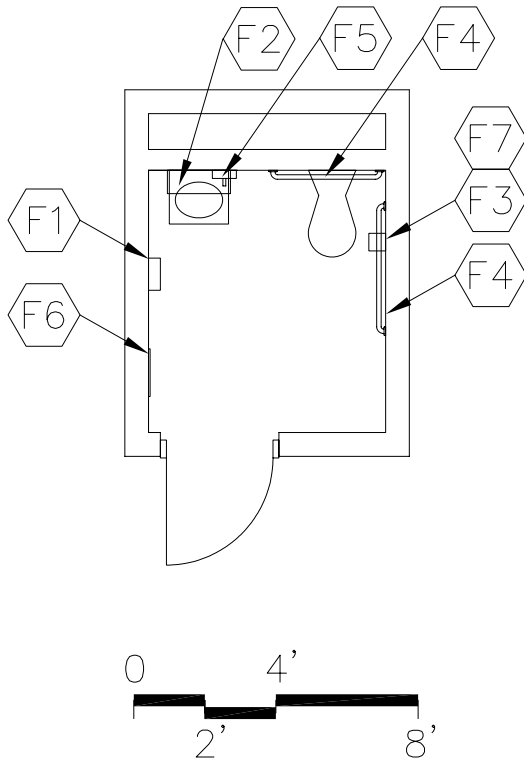
LOADING/RECEIVING/WAREHOUSE AREA
CT-GS-7

CHAPTER 6: CAREER-TECHNICAL SCHOOL

<u>FINISHES¹:</u>	Spec. <u>Ref.#</u>	<u>FEATURES¹:</u>	Spec. <u>Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Sealed 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>	
Unpainted concrete masonry units 042000		Exhaust air system	Div. 23
<u>LOOSE FURNISHINGS</u>		Supplemental heat as required	Div. 23
N/A		<u>Electrical:</u>	
		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:
SIZE:
ANCILLARY SPACES:

1 person
50 SF

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

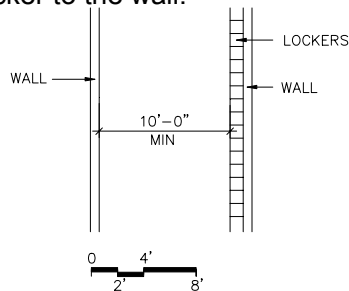
		Spec.			Spec.
		Ref.#			Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>		
Flooring:			<u>Fixed Items:</u>		
Linoleum, VET, sheet vinyl, or rubber		096516	F1 Towel dispenser		102813
Optional: quarry tile, or resinous flooring		096500	F2 Mirror with shelf above sink(optional)		102813
		093000	F3 Toilet tissue holder		102813
		096723	F4 36" and 42" grab bar		102813
			F5 Soap dispenser		102813
Base:			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	<u>Fire Suppression:</u>		
			Fire suppression system		211000
Ceiling:			<u>Plumbing:</u>		
Suspended, acoustical		095113	Wall-mounted water closet		224000
Walls:			Wall-mounted lavatory		224000
Painted concrete masonry units			Plumbing connections		
		042000/099100			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 8600-10		
			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:

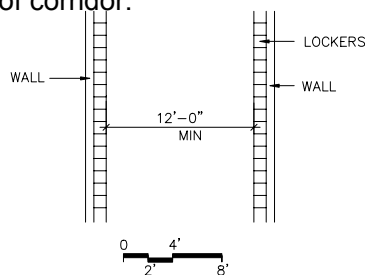
1. Finishes/Features: Refer to Chapter 9 for specification references.
2. F6 and F7 required for female restroom only.

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

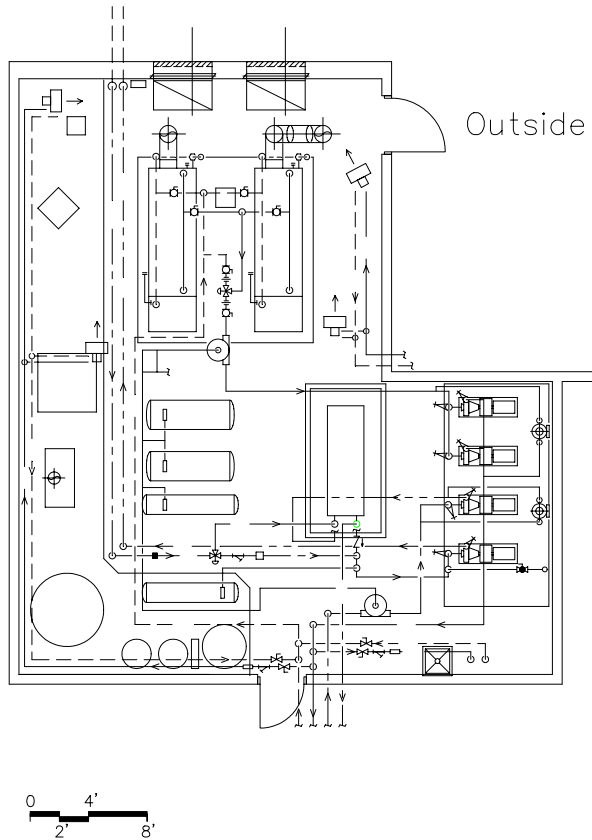
CHAPTER 6: CAREER-TECHNICAL SCHOOL

		Spec.		Spec.
		Ref.#		Ref.#
<u>FINISHES¹:</u>			<u>FEATURES¹:</u>	
<u>Flooring²:</u>			<u>Fixed Items:</u>	
Vinyl composition tile, linoleum,		096516	Corridor lockers	105113
VET, or sheet vinyl		096500	Fire extinguishers and cabinets	104400
Base:			Recessed vinyl floor mats or	
Resilient base		096500	surface mats	124813
Optional: structural glazed tile		042000	Tack board or tackable wall surface	101100
Ceiling:			<u>Fire Suppression:</u>	
Suspended, acoustical		095113	N/A	
Option in vestibules: Abuse resistant			<u>Plumbing:</u>	
gypsum wallboard		092113	Drinking water coolers	224000
Walls:			<u>HVAC:</u>	
Painted concrete masonry units			Supply/return air system	Div. 23
042000/099100			Temperature control from	
			adjacent instructional spaces	
<u>LOOSE FURNISHINGS:</u>				230923
Recycling bins and waste receptacles			<u>Electrical:</u>	
Fixed or loose benches			Dual level switching	262726
			Fluorescent lighting	265100
			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>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. Vinyl composition tile, linoleum, VET, or sheet vinyl is to be used in vestibules, stairwells, and elsewhere as appropriate. Porcelain tile or terrazzo tile is optional in lobbies, with resilient or structural glazed tile base.

**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

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Sealed 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.