

## DIVISION 11 - EQUIPMENT

Section Number	Title
<b>11 30 00</b>	<b>RESIDENTIAL EQUIPMENT</b>
11 32 00	Unit Kitchens
<b>11 50 00</b>	<b>EDUCATIONAL AND SCIENTIFIC EQUIPMENT</b>
11 52 00	Audio-Visual Equipment
<b>11 80 00</b>	<b>FACILITY MAINTENANCE AND OPERATION EQUIPMENT</b>
11 81 00	Facility Maintenance Equipment
11 82 00	Facility Solid Waste Handling Equipment
11 82 26	Facility Waste Compactors

# DIVISION 11 - EQUIPMENT

Section Number	Title
<b>11 30 00</b>	<b>RESIDENTIAL EQUIPMENT</b>
<b>11 32 00</b>	<b>Unit Kitchens</b> Dining Hall Requirements

## Part 1 - General

### Plumbing:

- Minimum drain size shall be 2". Indirect waste shall be provided when required by International Plumbing Code (IPC) and/or Coconino County Health department.
- Floor drains rather than floor sinks shall be installed except when indirect waste is required by code.
- Eight-inch (8") water column gas pressure (minimum) shall be provided to all fixture locations

### Mechanical:

- Type 1 hoods, canopies and duct work, when provided, must conform to all applicable standards.
- Mechanical air curtains shall be installed over all exterior doorways. (Per NSF standards & Coconino County Health Department Requirements).
- No refrigeration units using R-12 will be accepted.
- Proper ambient protection controls shall be provided on all refrigeration condensing units installed outdoors.
- Refrigeration lines shall be sized and installed in accordance with American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) standards.
- Air balance and test reports shall be provided on all mechanical systems.

### Electrical:

- Electrical cut-out boxes shall be of type 4 or 4X and shall be held away from any wall a minimum of 1/4".

### Fire Life Safety Systems:

- Automatic fuel and power shutoffs shall be installed to all appliances under a fire protection system.
- A diagram of the fire protection system and its interface with other systems shall be provided.

## Part 2 – Products

N/A

## Part 3 – Execution

N/A

## DIVISION 11 - EQUIPMENT

Section Number	Title
<b>11 50 00</b>	<b>EDUCATIONAL AND SCIENTIFIC EQUIPMENT</b>
<b>11 52 00</b>	<b>Audio-Visual Equipment</b> Refer to NAU Design Guidelines, Classroom and Office Design Guidelines

## DIVISION 11 - EQUIPMENT

Section  
Number

**11 80 00**

**11 81 00**

Title

### **FACILITY MAINTENANCE AND OPERATION EQUIPMENT**

#### **Facility Maintenance Equipment**

##### Part 1 – General

Following is a list of the typical housekeeping equipment to be ordered for custodial services on new construction projects. This list is provided to ensure there is adequate space and storage in the custodial closets. The final list for each project is to be reviewed and approved by Owner (Project Manager and Custodial Supervisor).

##### Part 2 – Products

Owner will procure these items:

- ADVANCE SC500 X20D 20" Walk Behind Scrubber W/130AH Wet Batteries.
- Windsor Titan Tip 'n Pour Wet/dry Vac 20gl w/hose & tool kit. Features powerful 1.5 hp vacuum motor and rugged construction to provide years of dependable operation. The Windsor Titan 20 gallon offers the added convenience of an optional squeegee attachment for faster large area wet pick-up. Every Titan wet/dry vacuum comes standard with an eight-piece tool kit to increase cleaning versatility.
- Rubbermaid Executive 32-gallon Brute Container, black
- Rubbermaid Executive Brute Caddy Bag, black
- Rubbermaid Executive Brute Dolly with quiet casters
- Viper Venom 20" 175 RPM 1.5 HP Floor Machine including pad driver
- Unger Speed Clean™ Window Kit. Drip-free indoor window cleaning. Quick and easy for hard-to-reach areas. No water spills or drips on windowsills, frames, carpets and furniture. Clean in one simple step (no squeegee required), windows dry streak-free.
- 6112-77 RM Caution Wet Floor Sign, 25"
- WAXIE Versa High Performance Cleaning Caddy
- Deluxe Carpet Extraction Dual Jet Wand
- Rubbermaid Executive Janitor Cleaning Cart w/Locking Cabinet & Trash Cover.
- Rubbermaid Executive Collection 34-gallon Vinyl Cart Bag, Black.
- AQUACLEAN 18FLX CARPET EXTRACTOR
- VERSAMATIC 18IN
- ICAPSOL MINI DELUXE
- PROBLITZ XP AIR MOVER

##### Part 3 – Execution

N/A

## DIVISION 11 - EQUIPMENT

Section Number	Title
11 82 00	Facility Solid Waste Handling Equipment

Trash chutes shall not be designed into any structures. It is required that all trash handling and pick-up be designed in exterior locations.

11 82 26	Facility Waste Compactors
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Compactors shall only be specified for food service facilities. All other locations shall be designed for exterior dumpsters.

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