

CONSULTING ENGINEERS

Mechanical
Electrical
Plumbing
Lighting
Technology

Summary of DMPS Hanawalt Elementary HVAC Upgrade:

The primary purpose of the project is to improve indoor air quality with better ventilation and humidity control.

Gas Fired DX Cooled Roof Top Units (RTUs) for Multiuse Cafeteria & Gymnasium

The existing gym horizontal water-source heat pumps will be removed and replaced with a new 12.5 ton gas fired dx roof top unit to condition and ventilate the space. The existing multi-use space vertical water-source heat pump will be removed and replaced with a 10 ton gas fired dx roof top unit to condition and ventilate the space.

Gas Service

A new gas service will be brought to the building coordinated with Mid-American Energy Company.

Gas Fired DX Cooled Roof Top ERV & Water Source Heat Pump ERV

The existing core style ERVs in the basement mechanical room will be replaced with water source heat pump ERV to provide conditioned ventilation air to building heat pumps. The existing core style ERVs in mezzanine mechanical room will be replaced with a gas fired dx cooled roof top ERV to provide conditioned ventilation air to building heat pumps.

25% Propylene Glycol and Loop Pumps

The existing geothermal field will be flushed and filled with a 25% concentration propylene glycol. A glycol feed system will be installed to the existing geothermal loop along with new 1750 RPM VFD loop pumps.

Summary of DMPS Hanawalt Elementary Flooring Upgrade:

In conjunction with the HVAC upgrades at Hanawalt, flooring upgrades will be included with this same bid package in order for the flooring subcontractor to work in concert with the HVAC contractor. Classroom carpet will be replaced and corridors will be ground and polished concrete.



STUDIO MELEE
1312 LOCUST STREET, SUITE 100Z
DES MOINES, IOWA 50309

(5 1 5) 4 9 3 - 0 0 0 3
COPYRIGHT 2020

THESE DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF MELEE, LLC. THEY HAVE BEEN PREPARED SPECIFICALLY FOR THIS PROJECT AND SHALL NOT BE USED ON ANY OTHER PROJECTS OR IN ANY OTHER LOCATIONS WITHOUT OBTAINING THE PRIOR WRITTEN CONSENT OF MELEE, LLC. UNAUTHORIZED REPRODUCTION IS PROHIBITED.

FLOOR FINISH REPLACEMENT

GARTON, HANAWALT, CALLANAN, PROPOSED
WEEKS, NORTH AND EAST FLOOR AREAS

PRINT DATE:
DECEMBER 4TH, 2020

DES MOINES PUBLIC SCHOOLS

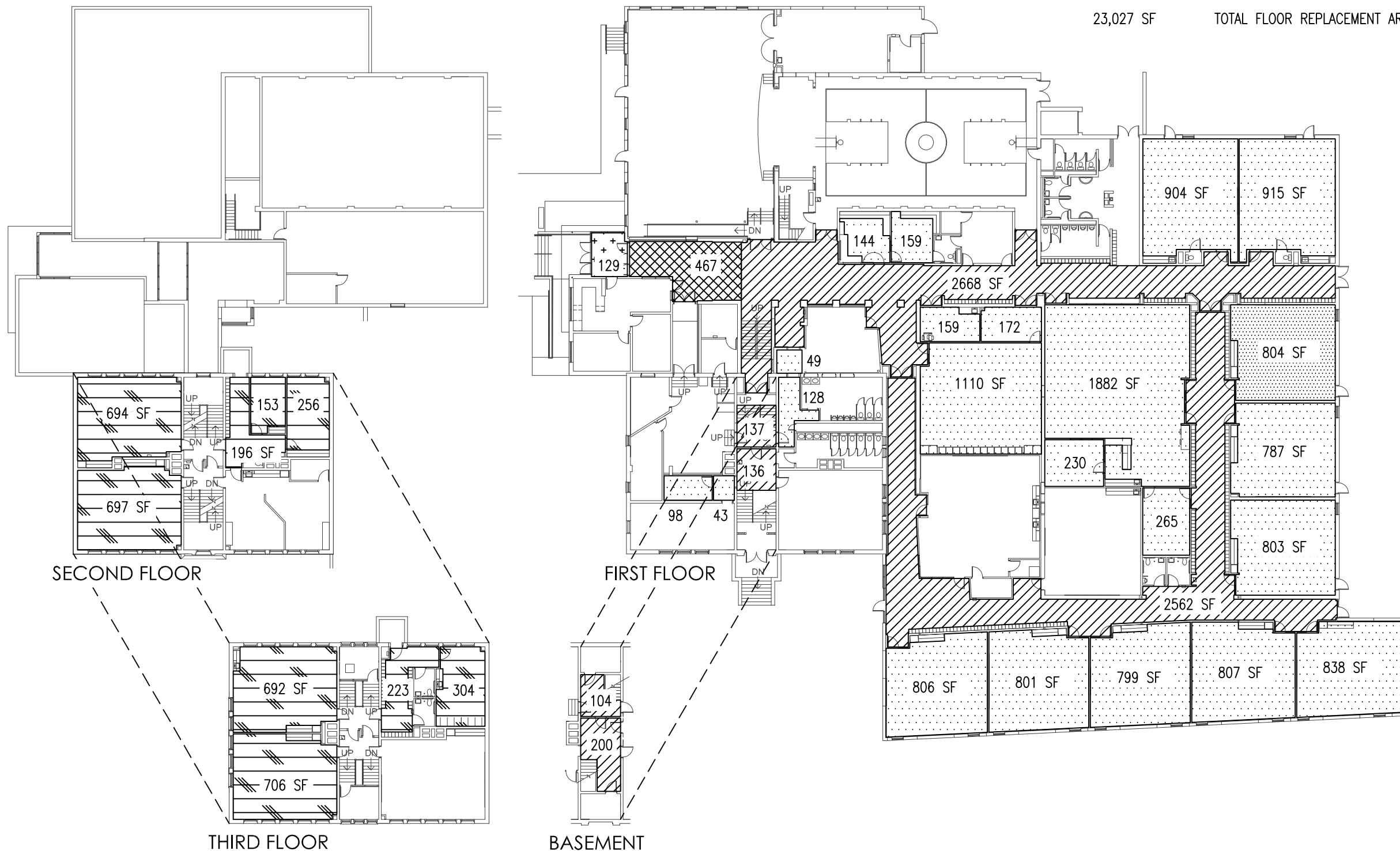
HANAWALT

FOR GENERAL AREAS ONLY
NOT FOR BIDDING OR CONSTRUCTION

- 804 SF EXISTING VCT REPLACED W/ NEW CARPET
- 5,807 SF EXISTING CARPET REPLACED W/ NEW GROUND & POLISHED CONCRETE
- 467 SF EXISTING VCT REPLACED W/ NEW GROUND & POLISHED CONCRETE

- 129 SF EXISTING WALK-OFF CARPET REPLACED W/ NEW WALK-OFF CARPET
- 3,921 SF EXISTING HARD WOOD REPLACED W/ NEW HARD WOOD

23,027 SF TOTAL FLOOR REPLACEMENT AREA



SCALE: 1/32" = 1'-0"

HANAWALT ELEMENTARY SCHOOL