a single space.

3) 126 to 600 students, at least 5,100

SF at least w/ (1) space at least

2,600 SF in a single space.

4) More than 600 students, at least

that also serves as a cafeteria.

in subsection (B) may have more than

shall have: A school facility shall have one

seven through 12 shall have a sports field

activities, a school facility shall include a

expected to assist with school activities at

R7-6-255(B) Parent Work Space: The parent work space Architect, District

accommodate the number of parents

may be in multiple locations throughout the

school facility and may have more than one

Such as a telephone, between a central

location and each general and specialty

Administrative space shall be:

Administrator 150 SF.

Isolated sick student area is required:

aculty work space required: A space

between 150 SF and (1) SF per student, as

space may be in multiple locations throughout

reasonable for the size of the anticipated

the school facility and have more than one

Building Systems: As required under

school facility shall be in working order

system is considered to be in working

1. The system is operated as intended;

3. Newly manufactured or refurbished

4. The system supports the gross square

5. Components of the system present no

maintained include, but are not limited to,

roof, plumbing, telephone, electrical, and

Chapter, building systems including, but

working order and properly maintained:

communication, network cabling, and

Building Structural Soundness: As

buildings of a school facility shall be

the building passes a structural assessment by a Professional Engineer.

with routine upkeep.

Structurally sound.

structurally sound. A building of a school

facility is considered structurally sound if

a. Walls and roofs are constructed of materials requiring minimal

maintenance, including painting.

. Building structural systems support

the loads imposed on them.

b. Capable of supporting a finish.

of attached elements.

Free of exposed lead paint.

c. Capable of continuing in its intended

use, with normal maintenance and

b. Free of friable asbestos.

Minimum gross square footage

as determined by law.

calculation based on

architectural plan documents.

school facility in the district.

used for district administrative pur-

Each school district shall have sufficient

school facility guidelines established in this

square footage requirements for the district

Assessment of Minimum Gross Square Footage

A. Computation of the gross square footage of a

school facility may be by measurement or by

B. The gross square footage of a school facility

C. The gross square footage of a district shall

equal the sum of the gross square footage of each

equals the sum of the products of the students in each grade for preschool students with disabilities

adequate gross square footage requirements per

applicable to the district for such grade or program

gross square footage, the number of students in all

Guideline Exception: The Board may grant an Architect, District, SFOB

Mechanical Engineer Will provide full building energy

Mechanical Engineer

Note: This clause may be

CMAR cannot provide work

within the funds allocated

required if the bids or

Mechanical Engineer

by the SFOB.

model in lieu of comcheck

N/A

grades and kindergarten shall be evenly distributed

across all grades and kindergarten served by the

exception from any of the guidelines, in this

governing board of the school district shall

submit a written request to the Board. The

Board shall grant an exception if it determines

the intent of the guideline is capable of being met by the school district in an alternative

manner. If the Board grants the exception, the

Board shall deem the school district meets the guideline and is not eligible for state funding to

Include a "reject all" clause in bidding

Provide outside air calculations

first 10'-0" of the duct from the HVAC unit.

is occupied by student or teacher (foam roof).

Low VOC on all applicable materials (finishes Architect

No application of diisocyanates while building
Architect

Air stream surface mold resistance within the Mechanical Engineer

Submit 62MZCalc Spreadsheet(s) from user's Mechanical Engineer

meet the guideline.

66 A.R.S. §34- Comcheck for envelope, HVAC, electrical

Davis-Bacon Verify specifications are correct.

and adhesives).

67 A.R.S. §34- Complies with ASHRAE 90.1

Chapter. To obtain an exception, the

R7-6-285

Design-Bid-

62.1 ASHRAE

ASHRAE

equals all space within the facility excluding space

school facilities, which comply with minimum

Article, to meet the minimum adequate gross

c. Capable of continuing in its intended

use, with normal maintenance and

d. Has appropriate blocking for support

weather tight under normal conditions

b. Walls, roof, doors and windows are

required under A.R.S. §41-5711(B)(4), all Engineer

HVAC systems. Additionally, under this

not limited to the following shall be in

and properly maintained. A building

order and being maintained if:

R7-6-265(A) 2. The system is maintained according to

manufacturer's instructions;

58 R7-6-265(B) Building systems required under A.R.S. § Architect

fire alarm, two-way internal

security systems.

Exterior envelope

Interior surface:

replacement parts are available;

ootage of the school facility; and

imminent danger of personal injury.

41-5702(L), to be in working order and

A.R.S. § 41-5702(L), building systems in a

R7-6-258(C) student body, is required. The faculty work

Accessible to a restroom

Two-way Internal Communication System:

classroom, the learning and technology center

General administrative purposes a

Minimum 1 cot per 200 students, 4

space between 150 SF and 1.5 SF

per student, as reasonable for the

size of the anticipated student body, is

basketball court per 300 students to a

maximum of three hardscapes.

R7-6-250(A) hardscape equivalent in size to an outdoor

R7-6-250(B) appropriate for softball, hardball, football, track, soccer, or other sports.

R7-6-255(A) work space large enough to

and the cafeteria.

Fire Marshall.

R7-6-257

R7-6-258(B)

one function including the comprehensive

7,500 SF which may include space

Equipment for Physical Education Activity: Architect, District

Architect, Electrical

Note: If all of the required

the nursing station, a

cots cannot be housed in

written plan/map shall be

created by the District and

emergency response plan.

included in the school's

Architect, District

Architect, Structural

provide adequate parking may have the

Drainage – consistent w/ drainage and

Security - Fence or wall at play/physical

education area for preschool children w/

D) Visibility outdoor play/physical education

2) The emergency response plan required

Classroom space: 28 SF per student grades Architect

Classroom space: 26 SF per student grades Architect

Classroom space: 25 SF per student grades Architect

Have at least one non-electronic or electronic, Architect

A school facility shall have an HVAC or other Mechanical Engineer

Classroom(s) Air Quality: the CO2 level shall Mechanical Engineer

Classroom and general / specialty classroom

Each general or specialty classroom shall

erasable, suitable for projection and display.

incandescent, halogen or fluorescent bulbs.

Thirty foot-candles of light if the light is

R7-6-213(A) system capable of maintaining a temperature between 68° and 82° F under normal con-

R7-6-212 through R7-6-215:

space in each building

viewing materials.

R7-6-220(B) to the lesser of 1000 square feet or the square

R7-6-220(C) space equal to the lesser of 1200 square feet

R7-6-221(A) students, minimum of 15, maximum of

Ten books per student.

R7-6-221(B) atlas is used, each shall have a

31 R7-6-226 storing, preparing, and serving food to

cafeteria space.

(1) 3 compartment sink

(1) range with hood

(1) refrigerator

(1) milk refrigerator

serve food to students.

(1) hot-food holding appliance

R7-6-227(B) in (A) if enables to receive, store, prepare and

R7-6-227(C) serves food prepared off the school site may

kitchen for the items in (A). Multiuse Space: Capable for student

R7-6-230 to accommodate 1/3 of the student body 2)

multimedia content.

instruction in science.

R7-6-245(A) R7-6-2

R7-6-245(B) Grades 5 through 12 shall have the science

surface per 250 students

surface per 250 students

R7-6-246(A) (1) fume hood

health codes.

R7-6-227(A) Kitchen equipment as required:

25 R7-6-221(A) One Multi-Media display.

27 R7-6-221(A)

32 R7-6-226

R7-6-235

21 R7-6-220(A) A school facility shall have a learning and Architect

ditions with an occupied classroom.

classroom(s) Acoustics: sustained

background sound level of less than 55

not exceed 700 PPM above the ambient CO2

1) Measured at a work surface in (+/-) center

technology center with space for students

include space for reading, listening, and

and technology center shall have space equal

footage equal to 20 square feet per student for 10 percent of the student body.

facility that serves at least 150 students, the

learning and technology center shall have

One work surface and seat for every 20

26 R7-6-221(A) Projection equipment and projection surface. Architect, District

Encyclopedia, Atlas and Unabridged

publication date of 2015 or later. Cafeteria: shall have a covered space, in

school site, outside of classrooms.

which students are able to eat within the

and equipment sufficient for receiving,

students. The food service fixtures and

A School Facility shall ensure food service

fixtures and equipment comply with county

(1) double-stack oven or a warming oven

substitute equipment required for a warming

assembly – space shall be: 1) Large Enough

Same size or larger than average classroom

least (1) network connected multimedia device

have classroom Sq. Ft. for delivery of practical

1) Grades 5 through 8 no classroom Sq. Ft. is

space shall not be smaller than the average classroom and may be used for other

fixtures and equipment per R7-6-246.

have the following science-facility fixtures

(1) demonstration table with non-corrosive

(1) chemical storage unit per 1,000 students

(1) eyewash or safety shower station per 250

(1) microscope per 25 students, minimum of

12 or ½ the number of students in grades 9

through 12 divided by 25, whichever is fewer

through 12 divided by 25, whichever is fewer

Grades 7 through 12 shall have space for art

Grades 5 through 12 shall have:

(1) balance per 250 students

Education Facilities:

42 R7-6-247(A) Arts Facilities: Career and Technical

(1) sink per 250 students R7-6-246(B) (1) microscope per 25 students, minimum of 12 or ½ of the number of students in grades 5

(6) laboratory stations with non-corrosive

instruction when not needed for instruction in

for every student. A multimedia device is a

computer, tablet or other smart device w/ internet access capable of presenting

(1) dishwasher - if reusable dishes / silverware

equipment shall be in or accessible to the

R7-6-221(A) An electronic or hard copy of each: Almanac, Architect, District

If a hard-copy almanac, encyclopedia, or Architect, District

A school facility shall have space, fixtures, Architect, District

A school facility that receives, stores and Architect, District

Technology: A school facility shall provide at Architect, District

Architect, District

or the square footage equal to 20 square feet per student for 10 percent of the stu-

For a middle or junior high or high school Architect

of classroom under normal conditions and

2) Random sample of 10% of classroom

to access electronic and hard-copy

research and reading materials. The

learning and technology center shall

and is the space required for teaching.

under A.R.S. § 15-341(A.31) has been

Classroom space: 32 SF per children preschool (with disabilities), kindergarten

disabilities, kindergarten - through grade six. If Note: Fencing around the

unable to provide adequate security may have | entire campus perimeter

the sufficiency – determined by the board – w/ may be required to

Street parking around the school facility

R7-6-205(C) sufficiency – determined by the board – w/

Nearby parking lots

3) Public transit

5) Daily visitors

4 R7-6-205(D) floodplain management standards of the

R7-6-205(E)
A) Amount of vehicular traffic
B) Hazardous or natural barriers

210(A)(1)

210(A)(4)

R7-6-214

R7-6-215

R7-6-216

210(A)(2) four through six.

210(A)(3) seven and eight.

7 R7-6-

9 R7-6-

C) Animal nuisance

through grade three.

nine through twelve.

R7-6-210(B) is measured from interior wall to interior wall

R7-6-211(1) have a work space per student (surface and

R7-6-211(2) (3') x (5') mounted or retractable surface,

R7-6-211(3) Storage for classroom materials.

R7-6-212(1) Fifty foot-candles in classrooms if

16 R7-6-212(2) Provided by LED (light emitting diode) bulbs.

R7-6-211(4) | Secure 3.8.23 | stored electronically.

4) Staff drives daily

may want to provide

infrastructure and/or charging stations with

promote single point of

Plan to the local police &

Electrical Engineer

Mechanical Engineer,

Are high exposed ceilings

panels deleted? Are there

exposed concrete floors in

outdoors and compared to

shall not exceed 700 PPM

measurement, variance

designed & acoustical

Note: ambient

indoor classroom

Architect, District

Note: If hard or soft copies

of books are not available

due to supply chain/vendor

delivery issues at the time

requires a written plan from

of occupancy, the SFOB

the district to provide a temporary alternative.

responsible for these costs.

entries. District is

bollard protection.

75	Policy	SFOB Project Number on all sheets and documents.	Architect	Will comply
76	Policy	All drawings at same level of completion.	Architect	Acknowledged
77	Policy	Roofing system submittal at DD.	Architect	Acknowledged
78	Policy	Provide requirements for Adjacent Ways Validation (i.e. single drawing and schedule of values).	Architect	Will provide
79	Policy	Composite site plan in a single file.	Architect	Acknowledged
80	Policy	HVAC in MDF or IDF rooms to be cooling only.	Mechanical Engineer	Will comply
81	Policy	Soil remediation (if required).	Architect, Civil	N/A
82	Policy	Verify if existing utilities are adequate for additional space: • Water supply • Waste / septic system • Gas supply • Electrical service	Mechanical Engineer, Electrical Engineer	Utilities connection on site. New site requiring Transformer, SES, etc.
83	Recommend	Rilem tubes test all exterior walls, including back of parapets or District Guideline exception form showing warranty & upgraded sealer criteria	Architect, Contractor Note: A letter from the coating contractor shall be provided as a required closeout document.	Acknowledged
84	EO 2005-05	Provide scorecard (not certification) showing that this project meets LEED Silver Design version #2	Architect Note: This scorecard shall be provided as a required closeout document in	Acknowledged, will provide during closeout

79	Policy	Composite site plan in a single file.	Architect	Acknowledged
80	Policy	HVAC in MDF or IDF rooms to be cooling only.	Mechanical Engineer	Will comply
81	Policy	Soil remediation (if required).	Architect, Civil	N/A
82	Policy	Verify if existing utilities are adequate for additional space: • Water supply • Waste / septic system • Gas supply • Electrical service	Mechanical Engineer, Electrical Engineer	Utilities connection on site. New site requiring Transformer, SES, etc.
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84	EO 2005-05	Provide scorecard (not certification) showing that this project meets LEED Silver Design version #2	Note: This scorecard shall	Acknowledged, will provide during closeout process
85	Recommend	Provide waterless urinals as required by LEED Silver Design version #2	Architect & Plumbing Eng.	Request exce
86	Recommend	Landscaping sprinklers main water lines minimum 10'-0" from face of building / foundation	Architect, District, Mechanical Engineer Note: Provide this requirement on the drawings	Acknowledged
87	Recommend	If any of the Minimum Adequacy Guideline requirements are excluded from the scope of work of the design disciplines then the SFOB must be notified as part of the review process.	Architect, District	Acknowledged
88	Recommend	Provide drinking water fountains with lead filters to reduce lead in drinking water.	Mechanical Eng. Note: Suggest bottle filling (touch free)	Will comply
89	Recommend	Security fencing for 7-12 grade levels needs to be defined by the District and reviewed by the SFOB.	Architect, District, SFOB	Acknowledged
	0500	T	A 120 C = 1	

79	Policy	Composite site plan in a single file.	Architect	Acknowledged
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81	Policy	Soil remediation (if required).	Architect, Civil	N/A
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88	Recommend	Provide drinking water fountains with lead filters to reduce lead in drinking water.	Mechanical Eng. Note: Suggest bottle filling (touch free)	Will comply
89	Recommend	Security fencing for 7-12 grade levels needs to be defined by the District and reviewed by the SFOB.	Architect, District, SFOB	Acknowledged
90	SFOB Performance Specification	The Architects and/or Engineers hired by the Districts shall utilize the SFOB Performance Specifications to modify their specifications	Architect, Engineer	Acknowledged

	EO 2005-05		be provided as a required closeout document in PayAppinator.	will provide during closeout process
85	Recommend	Provide waterless urinals as required by LEED Silver Design version #2	Architect & Plumbing Eng.	Request excepti
86	Recommend	Landscaping sprinklers main water lines minimum 10'-0" from face of building / foundation	Architect, District, Mechanical Engineer Note: Provide this requirement on the drawings	Acknowledged
87	Recommend	If any of the Minimum Adequacy Guideline requirements are excluded from the scope of work of the design disciplines then the SFOB must be notified as part of the review process.	Architect, District	Acknowledged
88	Recommend	Provide drinking water fountains with lead filters to reduce lead in drinking water.	Mechanical Eng. Note: Suggest bottle filling (touch free)	Will comply
89	Recommend	Security fencing for 7-12 grade levels needs to be defined by the District and reviewed by the SFOB.	Architect, District, SFOB	Acknowledged
90	SFOB Performance Specification	The Architects and/or Engineers hired by the Districts shall utilize the SFOB Performance	Architect, Engineer	Acknowledged

Specification | Specifications to modify their specifications. The Architect hired by the District shall provide to the SFOB their P-Lines (PDF) or decommend equal depicting gross square footage as Note: Submit by the 4th

required by A.R.S. 41-5711.(Paragraph E,

The Architect shall request from the Contractor the As-built Drawings & decommend | Specifications for final review. All project

closeout documents are required by the SFOB for final financial closeout. As part of the District's contractor's quality control procedures, mockups are required to i.e.: standard floor sealing demonstrate the Architect's design intent for vs. polish concrete sealing

the District's approval prior to the contractor's for floor slabs scheduled work activities. If this process does not include the District's prior approval, the Architect or Contractor may be found responsible for added costs. Each project requires Special Inspections typically by a 3rd party. Has this project

paid via SFOB soft costs.

mmend included a quote for these inspections? These Note: These costs can be inspections include Geotech & Special Inspections and Material Testing services. affect the District's occupancy? How many phases are expected? Will special procurement schedules be implemented early Note: Phasing needs to to purchase long lead items? How many include life safety items GMP's are required? prior to occupancy Surplus property is first made available to organizations that meet eligibility requirements

Note: SFOB recommends as established by Federal Property Management Regulations and the Arizona the District to consider supplies & furniture offered by the Surplus Property Management Office of the Arizona Department of SFOB This MAG Drawing Review Checklist is used SFOB by the SFOB NC Project Manager during their final walk through after a C of O is issued. Note: The District needs to

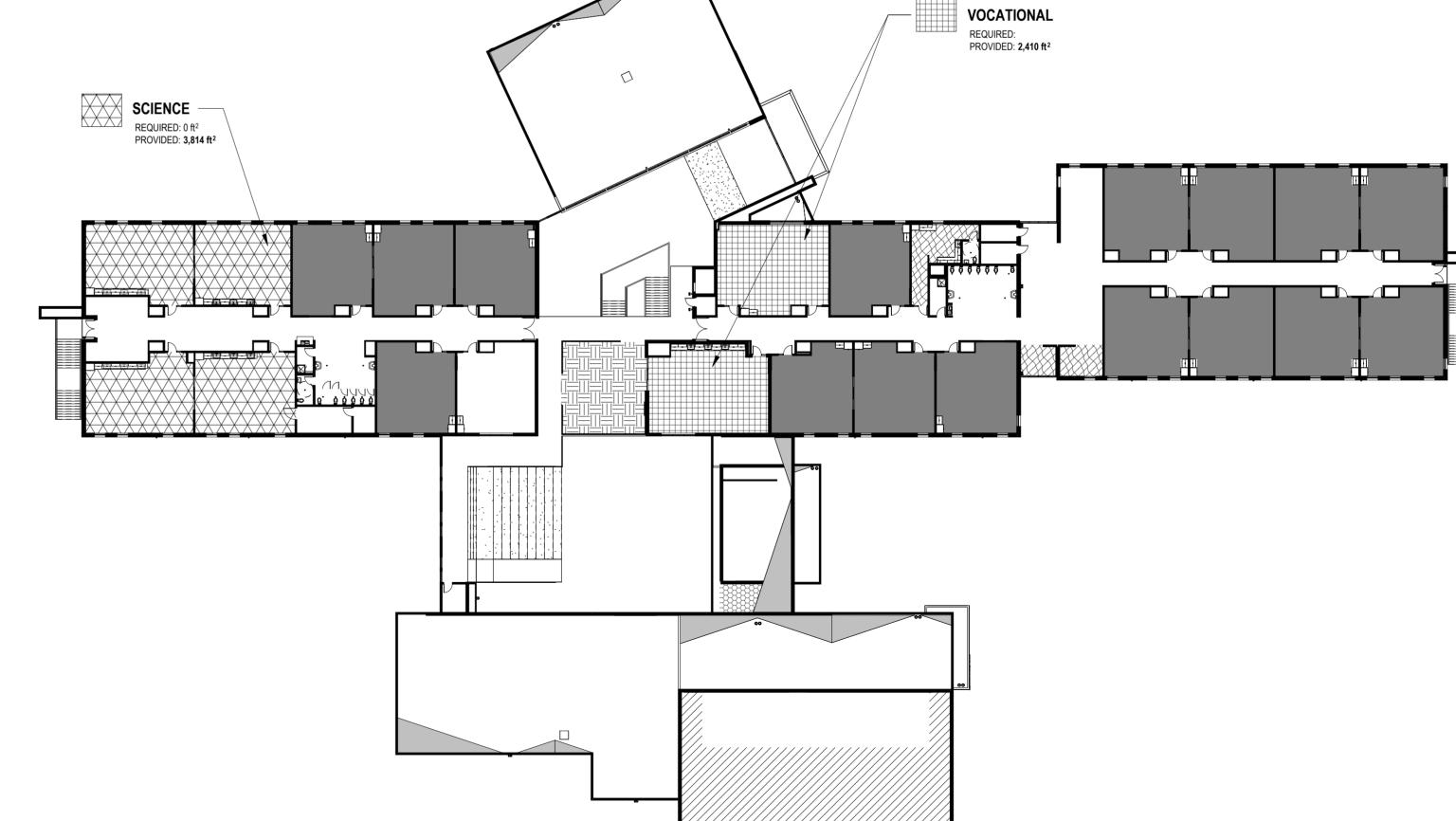
provide the SFOB occupied & unoccupied new classrooms so that classroom measurements can be made to verify MAG

#15-20 mentioned above.

compliance. See line items

PARENT WORKSPACE **ADMIN SPACE** REQUIRED: REQUIRED: 1,500 ft² PROVIDED: 2,200 ft² PROVIDED: 1,456 ft² ISOLATED SICK AREA REQUIRED: 4 COTS PROVIDED: 4 COTS LEARNING/TECH CENTER REQUIRED: 2,000 ft² PROVIDED: 3,125 ft² **ARTS** REQUIRED: 1,024 ft² PROVIDED: 3,160 ft² **MULTI-PURPOSE / DINING** REQUIRED: PROVIDED: 3,517 ft²

OVERALL FIRST FLOOR PLAN Scale is 1/32" = 1'-0" when printed on full size sheet.



PHYSICAL EDUCATION

3,517 ft² (additional in multipurpose/cafeteria space)

OUTDOOR PHYSICAL EDUCATION

REQUIRED: ONE COURT PER 300 STUDENTS (3)

PROVIDED: 7,351 ft²

PROVIDED: 10, 274 ft²

OVERALL SECOND FLOOR PLAN



CLASSROOMS

REQUIRED: 29,792 ft²

PROVIDED: 32,991 ft²

OWP PROJECT NO. DATE OF ISSUE **PROJECT PHASE / ISSUED FOR** Construction Documents

REVISIONS NUMBER DESCRIPTION

SIGN / SEAL

PROJECT TEAM AZ EDUCATION STUDIO

SHEET CONTENTS / TITLE

SFOB DATA SHEET

SFB PROJECT #110220000-9999-037N

Scale is 1/32" = 1'-0" when printed on full size sheet.