

Board of Education Regular Meeting

January 11, 2016 6:00 PM

District Board Office, Central Services
Building
765 Main St
Springfield, NE 68059

Agenda

- I. Site Committee Meeting
- II. Guest Presentation by Springfield 5th Grade Teachers on Technology in the Classroom
- III. Superintendent Contract- Brett Richards 2016-2019
- IV. Farmland lease 2016-2019
- V. Site Committee Report
- VI. Legislative Report
- VII. Bellevue Boundary Negotiations
- VIII. Springfield land purchase update
- IX. NSAA legislative report
- X. Westmont Design Plan
- XI. Appoint Board Negotiating Team for 2016
- XII. Appoint Ad Hoc Committee for Awards and Special Functions for 2016
- XIII. Appoint NASB Government Relations Network (GRN) 2016

Bid Information Packet
Farm Land Lease
October 5, 2015

Springfield Platteview Community Schools
14801 108th Street
Springfield, Nebraska

For Questions, Please Contact:
Brett Richards, Superintendent
(402)-592-1300

Bid Information

1. Bidding Procedure: The completed bid form must be sealed in an envelop, with the words "Farm Land Bid" written on it. The envelopes must be delivered to the Office of the Superintendent, 14801 South 108th Street, Springfield, NE 68059 **prior to 3:00 p.m. on Friday, December 18, 2015.**
2. Bid Opening: Bids will be opened on December 18, 2015 at 3:00 p.m. in the Office of the Superintendent, and they will be read aloud at that time.
3. Bid Approval: Bids will be reviewed at the regular meeting of the Board of Education to be held at the Central Services Building, 14801 South 108th Street, at 7:00 p.m. on Monday, January 11, 2016. The Board reserves the right to reject any or all bids.
4. Bid Form: The Bid Form is attached to this information sheet. The bid amount is the total sum for the entire term of the three year lease. That sum will be paid equally over six payments.
5. Lease Agreement: The winning bidder is required to meet with the Superintendent within 10 days of approval and sign the lease. No down payment is required. A copy of the lease is attached.
6. Term of Lease: Three Years (March 1, 2016 to February 29, 2019).
7. Leased Property: The property is situated in Sarpy County and is farm land that is part of the west half of the Southwest Quarter (W ½ SW ¼) of section 16, Township 13 North, Range 12 (Location is roughly northwest of Platteview High School, 108th and Platteview Road). The FSA Farm Number is 840. Roughly an acre of this farmland will be under construction and not usable. The legal description is as follows:

Part of the West One-Half (W ½) of the Southwest Quarter (SW ¼) of Section Sixteen (16), Township Thirteen (13) North, Range Twelve (12) East of the 6th P.M., Sarpy County, Nebraska, containing approximately 29.2 acres of crop land.
8. Lease payments: The Lease amount is payable in six (6) equal installments. The installments are due March 1, 2016; July 1, 2016; March 1, 2017; July 1, 2017; March 1, 2018; and July 1, 2018. Payments due under this Lease Agreement shall be made payable to Springfield Platteview Community Schools, and mailed to the Office of the Superintendent of Schools, Springfield Platteview Community Schools, 14801 South 108th Street, Springfield, NE 68059.
9. Property Use: The real estate shall be used for the purpose of planting, growing, and harvesting alfalfa, soybeans or corn, and for related activities. The real estate will not be used for any other purpose without the prior written consent of the school district.
10. Good Farming Practices: The winning bidder shall use good farming practices at all times in order to prevent any harm or damage to the premises.
11. Upkeep of Property: Bidder shall not commit or permit any waste on the premises and shall, at his/her own cost and expense, keep and maintain the premises, all improvements and facilities on the premises, including any fences. The bidder agrees to keep the premises in the same condition as they now exist. Reasonable wear and tear is expected. The bidder will keep all lands free from weeds and shatter-cane and destroy all noxious weeds along the fences and along the roadway before the seeds ripen.
12. Alterations to Property: No alterations or improvements to the premises are allowed without the written consent of the school district.

13. Inspection: The bidder will allow inspection and right of way of the property by any school district agents, representatives or employees. The bidder will also allow school district employees access over the premises to care for and reconstruct the sanitation lagoons and radio tower facilities located on said premises. The bidder will also allow cross country team running practice.
14. Prior Inspection: The bidder indicates by bidding that the premises have been inspected by him and that he has been assured by means of independent research of the truth of all facts material to this lease and that the premises are being bid by the bidder as a result of his inspection and investigation and not as a result of any representations made by the school district.
15. Liability and Insurance: The bidder will indemnify and hold the school district free and harmless from any and all claims, liability, loss, damage, or expense resulting from the winning bidder's occupation and use of the premises.
16. Assignment or Liens: The bidder shall not encumber, assign or otherwise transfer the Lease, any right or interest in the lease or any right or interest in the premises or any of the improvements that may be constructed or installed on the premises without the express written consent of the school district. The bidder shall also keep the premises free and clear from any and all liens, claims, and demands for work performed, materials furnished, or operations conducted.
17. Termination of the Lease: Upon termination of the Lease, bidder shall immediately remove all of his/her personal property and movable equipment from the premises, and surrender the property to the school district.
18. Binding: The Lease shall be binding on the bidder and bidder's heirs, executors, administrators, and successors. This shall not be construed as consent by the bidder to any assignment of this Lease.
19. Questions: Please contact Mr. Brett Richards, Superintendent at 402-592-1300.

Bid Form
Rental of School Farm Land
2016-2019

Springfield Platteview Community Schools

I am submitting a bid for the rental of approximately 29.2 acres of crop land as described in the Bid Information Sheet. I understand all of the terms of the lease and have had all questions answered. The amount of the bid is the total for the entire term of the three year lease.

Bid Amount: \$ 21,800 _____ (For three year term)

Signature: Ronald D Tex Jr. _____

Print Name: Ronald D Tex Jr. _____

Address: 9712 Fairview Rd
 Papillion, NE 68046

Phone: 402-689-2192 _____

Sealed bids, which includes this bid form must be delivered to the Office of the Superintendent, 14801 South 108th Street, Springfield, NE 68059

prior to 3:00 p.m. on Friday, December 18, 2015.

Bids will be opened and read aloud at that time.

The Board reserves the right to reject any or all bids.

CONTRACT OF EMPLOYMENT WITH SUPERINTENDENT

This Contract of Employment with Superintendent (the "Contract") is made and entered into by and between the Board of Education of Springfield Platteview Community Schools (hereinafter referred to as the "Board"), and Brett A. Richards (hereinafter referred to as the "Superintendent").

WITNESSETH

In accordance with action duly taken by the Board and recorded in the Minutes of the Board Meeting held on the 14th day of December, 2015, the Board hereby agrees to employ the Superintendent, and the Superintendent hereby agrees to accept employment as the Superintendent of the Springfield Platteview Community Schools (the "District") upon and subject to the following terms and conditions:

I. Term of Contract

A. Term. This Contract shall be for a term of three (3) years, beginning on the 1st day of July, 2016, and ending on the 30th day of June 2019, unless sooner terminated as provided in Section VI hereof. References in this Contract to "Contract Year" shall mean the period of July 1 to June 30.

II. Qualifications and Duties

A. Qualifications. Throughout the Term of this Contract, the Superintendent shall hold a valid certificate to act as a Superintendent of Schools in the State of Nebraska; said certificate shall be duly registered and filed as required by law, and the Superintendent shall not be under contract with another board of education within the State of Nebraska.

B. Duties. The Superintendent duties shall include: (i) responsibility for the day to day administration of the instructional and business affairs of the District; (ii) responsibility for the implementation of Board Policy; (iii) initiating all personnel actions that require Board action, including recommendations concerning termination, cancellation or non-renewals; organizing, administering and supervising the District's supervisory staff; and, subject to Board approval, (iv) selecting, placing, and transferring personnel. The Superintendent shall report to the Board. The exact nature and extent of the Superintendent duties shall be defined from time to time by the Board, in its sole discretion. Without limiting the foregoing, the parties agree as set forth below:

1. The Superintendent will perform his duties in compliance with his written job description, if any; all rules, regulations, directives, policies and procedures of the District as duly adopted from time to time by the Board; the terms of all applicable third party contracts; and all federal, state or local laws, statutes or ordinances and any rules or regulations promulgated thereunder.

2. The Superintendent will devote substantially all of his available working time, skill and energy to performing the duties required by his position as Superintendent and will not engage in any other business or occupation except to the extent the same is expressly approved in advance and in writing by the Board; provided, however, that nothing herein shall be deemed or construed to limit or restrict the ability of the Superintendent to engage in activities that are incident to the ownership or management of personal investments or to participate in professional activities such as consulting, speaking, writing or lecturing, so long as such activities do not interfere with the ability of the Superintendent to perform his duties hereunder or conflict with the interests of the District.

III. Salary

A. Annual Salary. During the 2016-2017 Contract Year of this Contract, the Board shall pay the Superintendent an annual salary in the amount of one hundred forty-one thousand and seven hundred and no/100 dollars (\$141,700.00). The Superintendent's annual salary for each Contract Year thereafter shall be set by the Board, in its sole discretion, provided only that the Superintendent's annual salary for any Contract Year thereafter during the term of this Contract shall not be less than the Superintendent's annual salary for the immediately preceding Contract Year.

B. Payment of Salary and Adjustments. The annual salary shall be paid in equal monthly installments in accordance with the usual and customary payroll practices of the District that apply to its professional staff. All salary payments shall be subject to authorized deductions and all local, state and federal withholding as required by law, including without limitation, retirement contributions, FICA, FUTA, Medicare and state or federal unemployment contributions.

IV. Leaves and Other Fringe Benefits

A. Leaves.

1. Vacation.

a. Vacation Days: The Superintendent shall be allowed twenty (20) working days of vacation leave each contract year. Vacation shall not be taken at times that would interfere with the Superintendent's attendance at regularly scheduled Board meetings or at times when the Superintendent's duties require the Superintendent's attendance at school (e.g., beginning and end periods of the school year).

b. Carry-over and Accumulation of Vacation Days. The Superintendent's vacation days shall be supplemented each contract year after the first year to restore his accumulated days to twenty (20). Upon ending employment, the Superintendent shall be paid for unused vacation days at his then effective daily rate of pay. The Board may require the Superintendent to take vacation days.

2. Sick and Bereavement Leave. The Superintendent shall be allowed ten (10) working days of sick leave each contract year. Unused sick leave may be carried over from one contract year to the next succeeding contract year to a maximum of sixty (60) sick leave days. Once the maximum is accumulated, no further sick leave days will be available or granted for the ensuing contract year or years until the accumulated number of days is less than 60, and then only to the extent necessary to restore the total number of available sick leave days to the maximum of 60 days. Upon ending employment, unused sick leave days will not be paid. The superintendent shall be allowed up to ten (10) working days per year for Bereavement Leave. Any days used for Bereavement will be subtracted from Sick Leave days available.

3. Holidays. The following days shall be holiday days and not working days: President's Day, Easter, Memorial Day, and July 4th, Labor Day, Thanksgiving, and day after Thanksgiving, Christmas, and New Year's Day.

4. Log. The Superintendent shall maintain a current log of used vacation and sick leave days with the Superintendent's administrative assistant. The Superintendent will notify the Board President when vacation days are used.

B. Fringe Benefits. The Superintendent shall receive fringe benefits of family health insurance, and single dental insurance. The School District shall also purchase a term life insurance policy insuring the Superintendent having a primary death benefit of \$50,000, with the beneficiary of such policy to be determined by the Superintendent. The superintendent shall pay his own disability insurance at his own expense.

C. Transportation. The Board shall reimburse the Superintendent for all mileage that he may reasonably and necessarily incur in connection with the performance of the Superintendent's official duties at the mileage reimbursement rate established by the Department of Administrative Services under State Statute Section 81-1176 in effect at the time of the travel.

D. Professional Meetings. Subject to prior Board approval, the Superintendent may elect to attend appropriate professional meetings at the local, state and national level, and such attendance shall not be counted as vacation or sick leave. Such attendance shall be scheduled so as not to interfere with the proper performance of the Superintendent's duties. The reasonable and necessary expenses incurred by the Superintendent for transportation, registration, meals and lodging in connection with his attendance at such approved meetings shall be paid by the Board, as and to the extent permitted by law and Board policy.

E. Professional Association Dues. The Superintendent's membership in the Nebraska Association of School Administrators shall be paid by the Board. The Superintendent's membership in other professional associations may be paid by the District subject to prior Board approval.

V. Representations and Warranties of Superintendent

A. Representations and Warranties of the Superintendent. As an express condition precedent and a material inducement to the Board to enter into this Contract and observe and perform the obligations and undertakings to be observed and performed by it hereunder, the Superintendent represents and warrants to the Board as follows:

1. That all information set forth in the Superintendent's application of employment and all other information provided to the Board by the Superintendent in connection therewith is true, correct and complete in all material respects and does not omit any facts necessary in order to make the statements and information contained therein not misleading;

2. The Superintendent has never been convicted of, entered a plea of no contest or *nolo contendere* to, or otherwise been charged with or convicted of a felony or any other lesser offense involving willful and wanton misconduct, moral turpitude, abuse, neglect, or sexual misconduct as defined in Sections 003.12 through 003.14 of 92 NCA 27; and

3. The Superintendent has not suffered suspension or revocation of any educational professional license or certificate.

VI. Cancellation, Termination, Non-Renewal and Amendment

A. Cancellation, Termination, Non-Renewal and Amendment. This Contract may be cancelled, terminated, not renewed or amended as follows:

1. Termination Due to Death. This Contract shall immediately terminate in the event of the Superintendent's death.

2. Non-Renewal or Amendment by the Board as of the End of the Term. Subject to the procedures set forth in Neb. Rev. Stat. §§79-824 through 79-845 (Reissue 2003), this Contract may be amended or not renewed by the Board as of the end of its Term upon the Board providing written notice of its intent to amend or not renew the Contract to the Superintendent no later than the 15th day of March immediately preceding the end of the term of this Contract.

3. Termination by Superintendent. If the Superintendent desires to be released from his contract, he and the Board may discuss, and the Board, at its sole discretion, can release him if terms of an agreement and release date can be agreed upon.

4. Cancellation or Amendment by Board During the Term. Subject to the procedures set forth in Neb. Rev. Stat. §§79-824 through 79-845 (Reissue 2003), this Contract may be cancelled or amended by the Board at any time during the Term for any of the following reasons: (i) cancellation, termination, revocation or suspension of the Superintendent's certificate (Nebraska Administrative and Supervisory Certificate or Nebraska Professional Administrative and Supervisory Certificate) by the State Board of Education; (ii) breach of any of the material provisions of this Contract of Employment; (iv) incompetency; (v) neglect of duty; (vi) unprofessional conduct; (vii) insubordination; (viii) immorality; (ix) physical or mental incapacity; (x) intemperance; or (xi) conviction of a felony. For purposes of this Contract, "physical or mental incapacity" shall be deemed to exist sufficient to establish just cause for cancellation of the Superintendent's contract with the school district should the Superintendent be continuously disabled for a period of (120) consecutive calendar days, has exhausted all available leave and is unable to return to work on a full-time basis and perform the essential functions of his job with reasonable accommodation.

B. Entitlement to Compensation and Benefits in the Event of Cancellation, Termination, or Non-Renewal. In the event this Contract is terminated, cancelled or not renewed, the Superintendent shall be entitled to receive payment for any vacation leave that he has accrued and which remains unused as of the date on which such termination, cancellation or non-renewal takes effect. Together with that portion of his Annual Salary which has been earned up to such date, as determined by multiplying his Annual Salary for the Contract Year in question by a fraction, the numerator of which is the number of whole and fractional months he has worked up to the date on which the termination, cancellation or non-renewal takes effect, and the denominator of which is twelve (12). Except as set forth above, the Board shall have no further obligation of any kind to continue to pay or provide any further compensation or benefits to the Superintendent from and after the date on which such termination, cancellation or non-renewal takes effect.

VII. Miscellaneous

A. No Third Party Beneficiaries. This Contract shall be for the sole benefit of the parties hereto and their respective heirs, successors, permitted assigns, and legal representatives and is not intended, nor shall it be construed, to give any person, other than the parties hereto and their respective heirs, successors, permitted assigns and legal representatives, any legal or equitable right, remedy or claim hereunder.

B. Choice of Law. This Contract shall be governed by, and construed in accordance with, the internal laws of the State of Nebraska. Any legal action or proceeding with respect to this Contract or any document related hereto shall be brought only in the district courts of Nebraska, or the United States District Court for the District of Nebraska., and, by execution and delivery of this Contract, each party hereto hereby accepts for itself and in respect of its property, generally and unconditionally, the jurisdiction of the aforesaid courts. The parties hereto hereby irrevocable waive any objection, including, without limitation, any forum non *conveniens*, which any of them may now or hereafter have to the bringing of such action or proceeding in such respective jurisdictions.

C. Entire Agreement. This Contract, together with all exhibits and schedules hereto, constitutes the entire agreement among the Parties pertaining to the subject matter hereof and supersedes all prior contracts, agreements, understandings, negotiations and discussions, whether oral or written, of the Parties.

D. Amendment. No amendment, supplement or modification of this Contract shall be binding unless executed in writing by the party to be bound thereby.

E. Waiver. No waiver of any of the provisions of this Contract or any breach of any provision of this Contract shall be deemed or shall constitute a waiver of any other provision or breach hereof (whether or not similar), nor shall such waiver constitute a continuing waiver unless otherwise expressly provided in writing.

F. Interpretations. Any uncertainty or ambiguity existing herein shall not be interpreted against either party because such party prepared any portion of this contract, but shall be interpreted according to the application of rules of interpretation on contracts generally. The headings and table of contents (if any) used in this Contract are inserted for convenience and reference only and are not intended to be an integral part of or to affect the meaning or interpretation of this Contract.

G. Time is of the Essence, Computation of Time. Time is of the essence with respect to every covenant, condition to be satisfied, and action to be taken hereunder, and the parties shall proceed accordingly with respect to every action necessary, proper or advisable to make effective the transactions contemplated by this Contract. Whenever the last day for the exercise of any privilege or the discharge of any duty hereunder shall fall upon any day which is not a business day, the party having such privilege or duty may exercise such privilege or discharge such duty on the next succeeding business day.

H. Survival. All representations and warranties; all of the rights, remedies, obligations, and all of the covenants and agreements set forth in this Contract which, by their terms, require or contemplate performance which is to extend beyond or occur after the date hereof, shall survive the execution and delivery of this Contract and shall remain in full force and effect and be enforceable as between the parties hereto in accordance with their terms for the statute of limitations period applicable thereto.

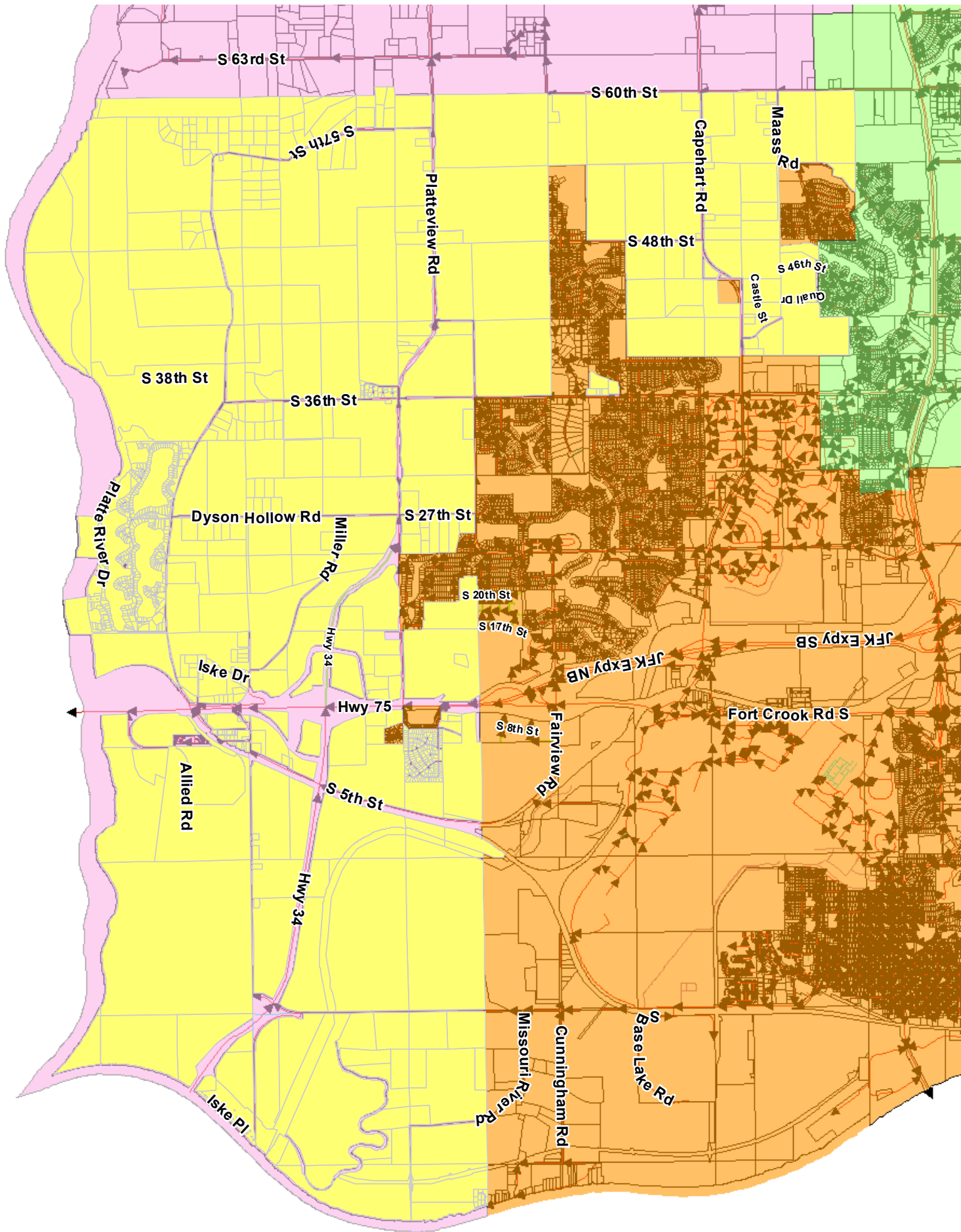
I. Legal Actions. The Board will support the Superintendent if there is a legal dispute caused by his carrying out his duties properly. If a legal action, including a professional practice complaint, is threatened or filed against the Superintendent as a result of his performance of his duties or his position as Superintendent of the district, the Board will provide him with a legal defense to the maximum extent permitted by law so long as he acted in good faith and in a manner which he reasonably believes to be in or not opposed to the best interests of the district and, with respect to any criminal action or proceeding, had no reasonable cause to believe that his conduct was unlawful.

J. Physical or Mental Examination. The Board has the authority to require the Superintendent to undergo a physical or mental examination by a physician and/or psychologist of the Board's choosing. In deference to the requirements of the Americans with Disabilities Act and HIPAA, the physician's report to the Board must address whether the Superintendent is able to perform the "essential functions" of his position.

IN WITNESS WHEREOF, this Contract has been executed and entered into by the parties hereto, fully intending the same to be binding upon themselves and their respective heirs, personal representatives, trustees, successors and assigns.

Sarpy County School District 77-0046, a/k/a Springfield Platteview Community Schools	Brett Richards, Superintendent of Schools
---	---

Dated this 8th day of December 2014.	Dated this 8th day of December 2014.
Brenda Sherman, President, Board of Education	Brett A. Richards
Attest:	
Secretary	



2016 Legislative Session*

Sun	Mon	Tues	Wed	Thur	Fri	Sat
January						
					1	2
3	4	5	6	7	8	9
			DAY 1	DAY 2	DAY 3	
10	11	12	13	14	15	16
	DAY 4	DAY 5	DAY 6	DAY 7	DAY 8	
17	18	19	20	21	22	23
	HOLIDAY	DAY 9	DAY 10	DAY 11	DAY 12	
24	25	26	27	28	29	30
	DAY 13	DAY 14	DAY 15	DAY 16	RECESS	
31						

Sun	Mon	Tues	Wed	Thur	Fri	Sat
February						
	1	2	3	4	5	6
	DAY 17	DAY 18	DAY 19	DAY 20	DAY 21	
7	8	9	10	11	12	13
	DAY 22	DAY 23	DAY 24	DAY 25	RECESS	
14	15	16	17	18	19	20
	HOLIDAY	DAY 26	DAY 27	DAY 28	DAY 29	
21	22	23	24	25	26	27
	DAY 30	DAY 31	DAY 32	DAY 33	RECESS	
28	29					
	DAY 34					

Sun	Mon	Tues	Wed	Thur	Fri	Sat
March						
		1	2	3	4	5
		DAY 35	DAY 36	DAY 37	RECESS	
6	7	8	9	10	11	12
	DAY 38	DAY 39	DAY 40	DAY 41	RECESS	
13	14	15	16	17	18	19
	RECESS	DAY 42	DAY 43	DAY 44	DAY 45	
20	21	22	23	24	25	26
	DAY 46	DAY 47	DAY 48	DAY 49	RECESS	
27	28	29	30	31		
	RECESS	DAY 50	DAY 51	DAY 52		

Sun	Mon	Tues	Wed	Thur	Fri	Sat
April						
					1	2
					DAY 53	
3	4	5	6	7	8	9
	DAY 54	DAY 55	DAY 56	DAY 57	RECESS	
10	11	12	13	14	15	16
	RECESS	DAY 58	DAY 59	RECESS	RECESS	
17	18	19	20	21	22	23
	RECESS	RECESS	DAY 60			
24	25	26	27	28	29	30

Federal & State Holidays

January 18 – Martin Luther King Jr. Day
February 15 - Presidents' Day

Legislative Recess Days

January 29
February 12, 26
March 4, 11, 14, 25, 28
April 8, 11, 14, 15, 18, 19

*The Speaker reserves the right to revise the session calendar.

**Boundary Agreement Between Springfield Platteview Community Schools
and Bellevue Public Schools**

January 2016

Upon elimination of the 95-cent Common Levy, Springfield Platteview Community Schools agrees to transfer to Bellevue Public Schools all school district boundaries to include properties East of 60th street from the northern most boundary of SPCS then south to the Platte River in accordance with the agreed upon procedures for various types of land outlined below. All properties will remain part of Springfield Platteview Community Schools until such time as the appropriate payment is received.

New Residential/ Commercial/ Industrial Development:

For land planned for new residential development, Bellevue Public Schools will pay Springfield Platteview Community Schools \$2,000 per acre for the transfer of land. The price per year will increase by 3.0% annually for a period of ten years. Payment and transfer will be considered after the property has received approval for final plat. After ten years, the Board's of Education will negotiate in good faith a new payment amount per acre related to economic factors and valuation increases/decreases of that time period. Agreed upon boundaries will stay as outlined in the agreement after ten years and beyond unless both parties agree otherwise.

Existing Residential/ Commerical/ Industrial:

Property that has previously been developed and current residential/commercial/industrial property within the new boundary can be transferred for a price not to exceed the current fiscal year General Fund value based on current tax levy and assessed value times 10 years.



**14801 South 108th St.
Springfield, NE 68059
Phone: 402-592-1300
Fax: 402-597-8551**

January 12, 2015

Dear District Residents East of 60th Street,

I hope the new year finds all of you well. The following information is a summary of the issues we have faced as a school district since the Learning Community was created and rationale for a direction our school district is heading in regards to the Learning Community and school district boundaries. Let me tell you up front that any boundary agreement we are negotiating with the Bellevue Public Schools is not valid unless the Learning Community's common levy is removed during the 2016 Nebraska legislative session.

We have been in discussion for several years with the Bellevue Public Schools concerning boundaries. School district boundaries have always been a point of contention among cities and school districts. Before the Learning Community law was passed, State Statute 79-473 gave authority to larger districts, such as Bellevue Public Schools, to annex our school district land as their cities grew. The Learning Community law froze school district boundaries as they were back in 2007. The negative thing about the Learning Community law is the common levy was created at the same time.

The common levy allows the Learning Community Coordinating Council to tax the two county area at \$.95 and then distribute out the dollars according to enrollment and needs throughout the school districts included in the Learning Community. Being a smaller district, we have always come out negative in the disbursement of such funding. As an example, we received \$9,798,153 from the first year of the common levy in 2010-11. We will receive \$9,118,441 in the 2015-16 school year. This leaves us 7% less revenue than we were receiving 6 years ago. We have lost more than \$10 million in six years of potential tax dollars from being a part of the Learning Community and more than \$3 million this year alone.

Our district tax valuation went up over 10% this fiscal year. This amounted to more than \$1.1 million in additional funds. Normally, a Board of Education in that situation can cut their levies to help reduce the tax burden on district taxpayers. In the Learning Community, we are not able to do that because we are not the main taxing authority. Instead of having extra dollars for our school district and cutting the tax rate for our taxpayers, all of these dollars went to Douglas County school districts and saved the state money. This is not sustainable for our school district over the long term.

We have been working hard with senators, cities, and school districts to be part of a solution that all Sarpy County school districts and cities can support to get rid of the common levy. Because of old boundary laws, we need to make boundary concessions to allow all of us to come to an agreement and work together to have the common levy removed. The common



14801 South 108th St.
Springfield, NE 68059
Phone: 402-592-1300
Fax: 402-597-8551

levy is the most important issue for us as a school district to be sustainable and to serve our students at a level our parents and community expect.

Attached is a summary of the pending boundary agreement with Bellevue. Please note that this agreement will mainly affect agricultural land purchased by a developer. **Agricultural land would only be transferred to the Bellevue Public Schools at the agreed upon price when the land is sold to a developer.** Any farmland would remain a part of our district until this would happen.

Bellevue can only acquire existing residential property within our district at a cost of 10 years of taxes. They currently do not have the funding to bring existing residential land into their district. **This means current district residents will remain in our district until further notice.** In the future, if there's a possibility of the transfer of boundaries for existing residential homes, we will notify homeowners of the situation.

If Bellevue ever decides to pay for existing residential properties to transfer boundaries, and you currently have students in our district, your student(s) and siblings will be grandfathered in and allowed to attend our school district. Transportation will continue to be provided to those students.

I would be glad to meet with or speak with any of our patrons who would like additional information or has questions. Meetings with individuals or small groups can be arranged by calling the district office at 402-592-1300. Our Board of Education will have the potential Bellevue agreement on the agenda at our next work session on Monday, January 25 at 7 PM, at the Platteview High School cafeteria, located at 14801 S. 108th St., Springfield, NE. The Board is likely to take action on the agreement at the Monday, February 8 meeting at 7 PM at the district's Central Office just north of the high school. Your participation in our meetings is always welcome.

Sincerely,

Brett Richards
Superintendent



Westmont Elementary Remodel

Design Development Submittal

21 December 2015

Comments added from 6 January, 2016 owner review meeting



DLR Group

Architecture Engineering Planning Interiors

**Springfield Platteview Community Schools
Westmont Elementary Remodel**

DESIGN DEVELOPMENT SUBMITTAL

Table of Contents:

Project Team	Tab 1
Vision / Memorable Goals	Tab 2
Project Schedule	Tab 3
Building Design	Tab 4
Drawings (4.0)	
Narratives and Additional Information	
Civil (4.1)	
Architectural (4.2)	
Interiors (4.3)	
Structural (4.4)	
Mechanical (4.5)	
Electrical (4.6)	
Sustainability.....	Tab 5
Cost Estimate	Tab 6

Springfield Platteview Community Schools Westmont Elementary Remodel

1.0 Project Team

There are many people on the team. The key people are listed below.

A. Springfield Platteview Community Schools

1. Brett Richards - Superintendent
2. Brian Osborn – School Board
3. Brian Wichman – School Board
4. Lori Bartels – School Board
5. Greg Gentile
6. Doug Mann
7. Melissa Hasty – Westmont School Principal

B. DLR Group

1. Pat Phelan – Principal in Charge
2. Mike Kros – Project Manager
3. Mike Gengler – Design Leader / Architectural
4. Sara Wolfe - Interiors
5. Christine Hasenkamp - Structural
6. Joe Bannwarth / Don Foster: Farris Engineering - Mechanical
7. Mary Wurst - Electrical

Springfield Platteview Community Schools Westmont Elementary Remodel

2.0 Vision / Memorable Goals

- A. Improve learning environment
 - 1. Sound and visual separations (walls & doors)
 - 2. Good IAQ
 - 3. Good lighting
- B. Energy efficiency / low operating costs
- C. Maximize size of classroom spaces
- D. Storage
- E. Student lockers
- F. Budget

Springfield Platteview Community Schools Westmont Elementary Remodel

PROJECT SCHEDULE

<u>Phase</u>	<u>start date</u>	<u>completion date</u>
Schematic Design:	10/26/2015	11/23/2015
Design Development	11/24/2015	12/23/2015
Construction Documents	12/28/2015	02/04/2016
Bid Opening	03/03/2016	
Award of Bid	03/07/2016	Special Board meeting
Construction	05/20/2016	5 August 2016 (11 weeks)
Occupancy	August 2016	

School Starts August 16th. Teachers back August 11th.
Substantial Completion date will need to be around August 5th

Should we have Liquidated damages on the job to help ensure the project is completed on time? Need to discuss with the Board.

4.0 BUILDING DESIGN

DRAWINGS

- A. See drawings set.

Springfield Platteview Community Schools Westmont Elementary Remodel

SYSTEMS DESCRIPTIONS

4.1 *Civil*

A. General

1. A couple of sidewalks and possible ADA drives to sidewalk access will be added for convenience and for egress requirements.
2. An additional water line will be needed to serve the fire sprinkler system.
3. Gas will need to be brought into the building to serve the mechanical system.

4.2 Architectural Design Narrative

- A. This report is intended to present architectural data applicable to the Westmont Elementary remodel. It does not encompass all of the work required to remodel the facility according to any proposed plan. The following is a limited narrative of proposed systems and materials that will be refined during the Construction Document Phase. The accompanying plans are intended to convey design intent. Certain specifics of the plan, such as the exact configuration of spaces will be further developed in accordance with the Owner's direction.
- B. Project Description
1. Westmont Elementary is just south of 132nd Street and Highway 370. The project includes approximately 33,300, square foot existing facility designed to serve Springfield Platteview students, grades Pre-K through sixth grade. The building will house the following:
 - a. Administrative and support areas. A small conference room and a Huddle room will be added.
 - b. 1 Pre-Kindergarten.
 - c. 2 Kindergarten classrooms with self-contained toilets.
 - d. 2 classrooms per grade (grades 1-6) for 12 classrooms.
 - e. Two SPED classrooms.
 - f. 1 Speech, 1 Reading and 1 Counselors classroom
 - g. Music room / platform for the multi-purpose space.
 - h. Media Center.
 - i. Art classroom.
 - j. Existing multi-purpose space for the gym and cafeteria
 - k. Existing Kitchen.
 - l. Adding toilets for Girls and Boys.
- C. The building will be brought up to current ADA guidelines where possible and as determined by the Authority Having Jurisdiction (AHJ), which is the City of Papillion.
- D. Many of the exterior windows and entrances will be replaced with an aluminum and thermally broken system. Other exterior doors will have will be insulated hollow metal, finished with a special coating to match the exterior finishes.
- E. The skylights will be replaced.

Springfield Platteview Community Schools Westmont Elementary Remodel

F. Interior Construction:

1. Interior walls will be constructed mostly of metal studs with gypsum board. Both surfaces will receive a durable paint finish.
2. Solid Core wood doors and associated hardware will be added to the classrooms and most rooms.
3. Educational Casework will be added to some classrooms.
4. Most classrooms will have a sink.
5. Double tier lockers are being added.
6. New ceilings and floor coverings will be installed.

G. Abatement

1. There are some areas that have Asbestos. These appear to be minor. These will be addressed in the remodel, which should make the building asbestos free. See attached report.

Will be done by separate contractor.

H. Alternates

1. Additional Casework
2. Acoustical wall panels and baffles

3. Lockers

I. Specification list

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

Advertisement to Bid

Instructions to Bidders

Procurement Substitution Procedures

Procurement Substitution Request Form

Bid Form for Combined Construction

General and Supplementary Conditions of the Contract for Construction

DIVISION 01 - GENERAL REQUIREMENTS

Section 011000 Summary

Section 011600 Regulatory Requirements

Section 012300 Alternates

Section 012500 Substitution Procedures

Post-Bid Request For Substitution Form

Section 012600 Contract Modification Procedures

Section 012900 Payment Procedures

Off-Site Storage Agreement Form

Consent of Surety Company to Off-Site Storage Agreement Form

National Pollutant Discharge Elimination System (NPDES) Certification Form

Springfield Platteview Community Schools Westmont Elementary Remodel

Section 013100	Project Management and Coordination
Section 013200	Construction Progress Documentation
Section 013300	Submittal Procedures
	Shop Drawing Transmittal Form
Section 013333	Electronic Drawings
	AIA Document C106-2007, Digital Data Licensing Agreement
Section 014000	Quality Requirements
Section 014200	References
Section 015000	Temporary Facilities and Controls
	Project Sign
Section 016000	Product Requirements
Section 017300	Execution
Section 017700	Closeout Procedures
Section 017823	Operation and Maintenance Data
Section 017839	Project Record Documents
Section 017900	Demonstration and Training

DIVISION 02 - EXISTING CONDITIONS

Section 024119	Selective Structure Demolition
----------------	--------------------------------

DIVISION 03 - CONCRETE

Section 033000	Cast-In-Place Concrete
----------------	------------------------

DIVISION 04 - MASONRY

Section 042000	Unit Masonry
----------------	--------------

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

Section 061053	Miscellaneous Rough Carpentry
Section 061600	Sheathing
Section 064023	Interior Architectural Woodwork

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

Section 072100	Thermal Insulation
Section 076200	Sheet Metal Flashing and Trim
Section 077200	Roof Accessories
Section 078413	Penetration Firestopping
Section 078446	Fire Resistive Joint Systems
Section 079200	Joint Sealants

Springfield Platteview Community Schools Westmont Elementary Remodel

DIVISION 08 - OPENINGS

Section 081113	Hollow Metal Doors and Frames
Section 081416	Flush Wood Doors
Section 083113	Access Doors and Frames
Section 084113	Aluminum-Framed Entrances and Storefronts
Section 086200	Unit Skylights
Section 087100	Door Hardware
Section 088000	Glazing
Section 088300	Mirrors

DIVISION 09 - FINISHES

Section 092216	Non-Structural Metal Framing
Section 092900	Gypsum Board
Section 093000	Tiling
Section 095113	Acoustical Panel Ceilings
Section 096513	Resilient Base and Accessories
Section 096519	Resilient Tile Flooring
Section 096813	Tile Carpeting
Section 098413	Fixed Sound-Absorptive Panels
Section 099123	Interior Painting
Section 099600	High-Performance Coatings

DIVISION 10 - SPECIALTIES

Section 101100	Visual Display Surfaces
Section 102113	Toilet Compartments
Section 102600	Wall and Door Protection
Section 102800	Toilet, Bath and Laundry Accessories
Section 104413	Fire Extinguisher Cabinets
Section 104416	Fire Extinguishers
Section 105113	Metal Lockers

DIVISION 12 - FURNISHINGS

Section 123210	Educational Casework
----------------	----------------------



6 Month Periodic Surveillance Inspection Form

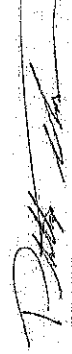
South Sarpy District #46 – Westmont Elementary School

Material Description	Location of ACBM	Quantity	Damaged or Change in Condition? (Yes / No)	Comments / Recommendations
Sink Undercoating (Black)	Upper Level – Kindergarten Room	10 SF	No	Two (2) Sinks
Sink Undercoating Black	Upper Level – 2 nd Kindergarten Room	10 SF	No	Two (2) Sinks
Metal Fire Door 1979 Original Building	Upper Level Mechanical Room	10 SF	No	Door to Roof, One (1) Door Rating Label Painted Over
Miscellaneous Flooring Stair Treads (Black)	Stairs by Upper Mechanical Room/Boiler Room	80 SF	No	
Sink Undercoating (Black)	Art Room	10 SF	No	Two (2) Sinks

Date of 6 Month Inspection: 3/18/2014

Were additional samples collected as part of this 6 month inspection: No

Inspector: Phillip Thomas



Inspector Signature: _____

License # / Expiration: #708 3/13/2015

I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____

Entrances & Framing



Entrances

Kawneer offers a comprehensive line of architectural aluminum building products and systems for commercial construction – entrances, framing systems, windows and curtain wall systems. For over a century, Kawneer has been recognized as an innovator. Throughout our history, we've balanced experience with change and ongoing improvement. We strive every day to develop solutions that promote integrated, sustainable building practices, and we are dedicated to providing the tools our customers need to succeed. Welded door corners, unique thermal breaks, and design and fabrication flexibility are just a few examples of how we have responded to customer needs.



190 Narrow Stile Entrance (with high bottom rail) and Trifab™ VG (VersaGlaze™) 451T Framing used for auto showroom entrance application
Weeks Automotive/Danbury Audi, Danbury, Connecticut
Architect: Austin Patterson Disston Architects, LLC, Southport, Connecticut
Glazing Contractor: Advanced Performance Glass, Inc., South Windsor, Connecticut
Photography: © CJBerg Photographics



350 Medium Stile Paneline™ Entrances, Trifab™ VG (VersaGlaze™) 451T Framing, 1600 Wall System™1
Hurst Conference Center, Hurst, Texas
Architect: Ron Hobbs Architects, Garland, Texas
Glazing Contractor: Alliance Glass and Mirror Ltd., Keller, Texas
Photography: © Wes Thompson



500 Wide Stile Entrance, 1600 Wall System™1
Curtain Wall
Carmel High School Theatre, Carmel, California
Architect: Kasavan Architects, Salinas, California
Glazing Contractor: Atascadero Glass, Atascadero, California
Photography: © Brett Drury

HURRICANE RESISTANT AND BLAST MITIGATION PRODUCTS

Kawneer offers single-source responsibility with a comprehensive group of independently tested hurricane resistant and blast mitigation products. Many hurricane resistant products have received Notices of Acceptance (NOAs) issued by Miami-Dade County BCCO and Florida State Approvals. Blast mitigation products meet requirements of the General Services Administration (GSA), Interagency Security Committee (ISC) and Department of Defense (DoD). For more information, visit Kawneer.com.

ADA ACCESSIBILITY GUIDELINES

Kawneer entrances include options such as hardware, door controls and threshold heights that satisfy the guidelines of the Americans with Disabilities Act (ADA). Entrances are easily configured to meet ADA traffic control guidelines and state and local building accessibility codes.

KAWNEER'S LIMITED LIFETIME WELDED DOOR CORNER WARRANTY

Every door with welded corner joinery comes with a limited lifetime warranty, including 190/350/500 Standard Entrances, 350/500 Heavy Wall™ Entrances, 350/500 Tuffline™ Entrances, Flushline™ Entrances and 260/360/560 Insulclad™ Thermal Entrances. The corner joinery limited warranty is good for the life of the door under normal use/operation, is transferable from building owner to building owner and is in addition to the standard two-year warranty covering each Kawneer door.

190/350/500 Standard Entrances

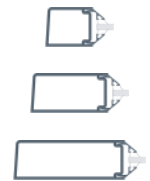
A single-source, easily adaptable package of door, door frame and hardware
190/350/500 Entrances have been large missile hurricane impact/cycle tested and have been approved for use in Florida for both high-velocity hurricane zones and non-impact locations.

190 Narrow Stile – engineered for moderate traffic | Slim look 2-1/8" vertical stile, 2-1/4" top and 3-7/8" bottom rails

350 Medium Stile – provides extra strength for high traffic | Vertical stiles and top rail 3-1/2", bottom rail 6-1/2"

500 Wide Stile – monumental visual statement for heaviest traffic | Vertical stiles and top rail 5", bottom rail 6-1/2"

All three entrances feature welded corner construction with sigma deep penetration and fillet welds, plus corner mechanical fastenings | Door operation is single/double acting with maximum security locks or touch bar panics standard | Architect's Classic 1" round bent bar push/pull hardware in various finishes and sizes | Infills range from 1/4" to 1" | Door frames feature Sealair bulb polymeric weather stripping | Tested to NFRC thermal standards





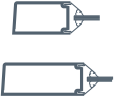
AA™250/425 Thermal Entrances

Narrow and wide stile entrances designed to provide a new kind of thermal roadblock

AA250 – 2-1/2" vertical stiles and top rail with 3-7/8" bottom rail

AA425 – 4-1/4" vertical stiles and top rail with 6-1/2" bottom rail

Thermal breaks in the door, door frame and threshold isolate the interior metal components from the exterior metal components | Door rail and stile design with a double air cavity provides an added layer to the thermal barrier | Dual weathering around the perimeter of the door in conjunction with a low conductance polymer door stop minimizes air infiltration | Entrance is single acting and mounted on offset pivots, butt hinges or continuous geared hinges | Accepts 1" glazing infill | Optional 10" bottom rail | Horizontal cross rails of 1-3/8" and 8-1/4" | Tested to NFRC thermal standards



350/500 Heavy Wall™ Entrances

Designed for durability in heavy-traffic areas

Heavy Wall™ entrance doors are designed for high-traffic applications such as schools, universities and office buildings | Door and frame have 3/16" walls throughout for added durability and strength | Door is 2" deep | Vertical stiles and top rails 3-1/2" and bottom rail 6-1/2" | Accepts glazing infills from 1/4" to 1" | Incorporates Kawneer's standard welded corner construction | Blast tested per ASTM F 1642



350/500 Tuffline™ Entrances

Heavy duty and engineered to withstand high traffic in schools, universities, malls and supermarkets

Constructed for unequalled strength with 3/16" walls throughout door and frame | 3-1/2" wide stiles and 3-3/8" top rail on 350 door | 5" wide stiles and top rail on 500 door | 2" deep door sections and 6-3/4" bottom rail | Door heights range from 7' to 9'; widths from 3' to 4' | Door frame face width is 2", depth is 4-1/2" | Accepts glazing infills of 1/4" to 1" | Complete package of door, door frame and hardware | Kawneer's welded corner construction resists both the lever arm and torsion forces all doors experience | Tested to NFRC thermal standards



350/500 IR Entrances

Standard entrances that provide extra strength for applications where more stringent code requirements include windborne debris protection 1-3/4" deep with 3-1/2" or 5" vertical stiles and top rails and 6-1/2" bottom rails | Optional 7-1/2" and 10" bottom rail available | Square glass stops with options for interior silicone, 3M VHB tape or dry gaskets for impact resistant glazing | Single acting with offset pivots, butt hinges or continuous geared hinge | M.S. 3-point locks, M.S. locks with manual flushbolts or panic hardware options | Adjustable astragal and bottom rail sweep | Kawneer Sealair bulb polymeric weather stripping in door frames | Tested to meet current codes requiring protection of openings in windborne debris regions: ASTM E 1886, E 1996 and Florida Building Code TAS 201, 202 and 203 | Blast tested per ASTM F 1642 | Kawneer's welded corner construction resists both the lever arm and torsion forces all doors experience | Tested to NFRC thermal standards



2000T Terrace Doors

Designed for use in condominiums, lofts, apartments and hotels

Single or pair – outswing or inswing | 2-1/4" deep door rails and stiles | Thermally broken door and frame | Tested per NAFS, AAMA/WDMA/CSA 101/I.S.2/A440 | Thermal tests per CAN/CSA A-440, AAMA 1503 and NFRC 100 | Stainless steel multi-point locks and options | Contemporary lever handle with finish options | Mitered door and frame corners with rigid heavy-duty clips | Three-way adjustable butt hinge | Double weatherstripping | Accommodates 1/4" to 1-1/8" infills | Factory glazed | Kawneer standard and custom finishes and colors | Two-color option | Tested to NFRC thermal standards



08 41 00

2000T Terrace Doors, Alcoa – Reynobond® ACM 4 mm PE and 4 mm FR Panels

W Hotel, Austin, Texas

LEED® registered project

Architects: Andersson-Wise Architects, Design Architect, Austin, Texas, and BOKA Powell, Architect of Record, Dallas, Texas

Glazing Contractor: Win-Con Enterprises, New Braunfels, Texas

Photography: © CJ Berg Photographics



500 Tuffline™ Entrances and Trifab™ VG (VersaGlaze™) 451T Framing

Pennsylvania State University School of Architecture and Landscape Architecture (SALA), State College, Pennsylvania

LEED® Gold certified

Architect: Overland Partners Architects, San Antonio, Texas

Glazing Contractor: Nittany Building Specialties, Port Matilda, Pennsylvania

Photography: © CJ Berg Photographics



350 Heavy Wall™ Entrances

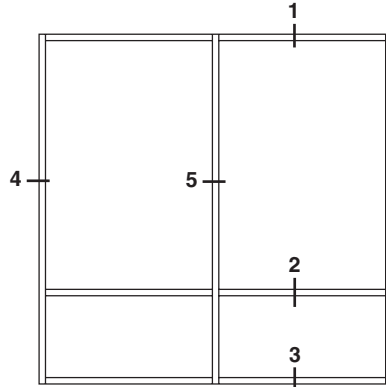
Kauffman Stadium, Kansas City, Missouri

Architect: Populus, Kansas City, Missouri

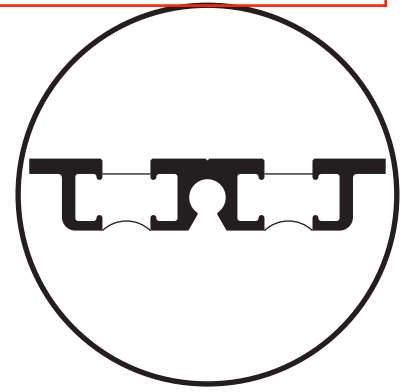
Glazing Contractor: The Bratton Corporation, Kansas City, Missouri

Photography: © Mark Kempf

SCALE 3" = 1'-0"



ELEVATION IS NUMBER KEYED TO DETAILS



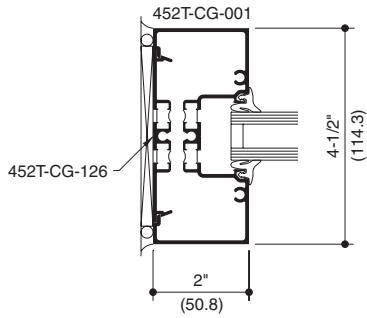
DUAL ISOLOCK THERMAL BREAK

SCREW SPLINE

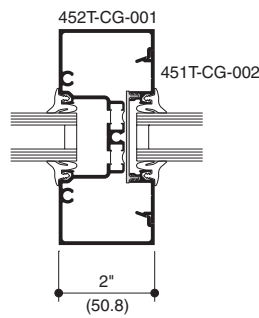
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2012

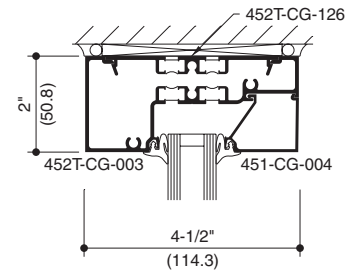


4 JAMB

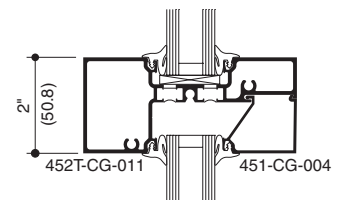


5 VERTICAL

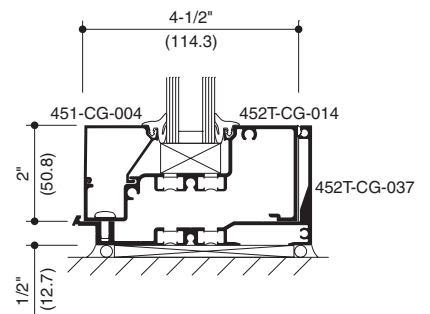
1 HEAD



2 HORIZONTAL



3 SILL



Solarban® 60 solar control, low-e glass by PPG was engineered to control solar heat gain, which is essential to minimizing cooling costs. In a standard one-inch insulating glass unit (IGU), **Solarban® 60** glass offers an exterior appearance similar to clear, uncoated glass.

With a very good Solar Heat Gain Coefficient (SHGC) of 0.39, **Solarban® 60** glass blocks 66 percent of the total solar energy while allowing 70 percent of the visible light to pass through. This combination produces an excellent Light to Solar Gain (LSG) ratio of 1.79, along with exceptional insulating performance, as evidenced by its 0.29 winter nighttime U-value.

Aesthetic Options

Solarban® 60 glass can be coated on **Starphire®** glass and paired with **Starphire®** glass to produce an IGU with exceptional clarity and solar control characteristics. For even more color and performance options, it can be coated on the second (#2) surface of nearly all PPG's wide range of tinted glasses, or combined in an IGU with any PPG tinted glass, **Solarcool®** reflective glass or **Vistacool®** subtly reflective, color-enhanced glass (see performance data on back page).

Solarban® 60 Glass and Sustainable Design

An energy modeling study conducted by an independent energy design and consulting firm showed that architects and building owners can potentially save millions of dollars during a building's lifetime by specifying **Solarban® 60** glass instead of less advanced architectural glazings.

For instance, the study showed that, by substituting **Solarban® 60** glass in place of dual-pane tinted glass, the owners of a typical glass-walled, eight-story office building in Boston could lower their initial HVAC equipment costs by nearly \$350,000 while realizing annual energy savings of more than \$80,000. Corresponding carbon emissions from the same building were also reduced by more than 300 tons per year, which eclipses the total carbon emissions generated by 31,000 gallons of gasoline.

In addition to making products that support sustainable design, PPG has pioneered innovative technologies that reduce energy consumption during the glass-making process. PPG promotes environmentally responsible manufacturing by recovering and reusing virtually all of its glass manufacturing by-products and by shipping its materials on reusable steel racks. PPG also facilitates regional sourcing through its nationwide network of certified glass fabricators and laminators.

With **Solarban® 60** glass, sustainable design and LEED® credit opportunities are provided according to the following criteria:



Prudential Center

Location: Newark, NJ
Product: Solarban 60 Glass
Architect: Morris Adjmi Architects
Glass Contractor: Josloff Glass
Glass Fabricator: J.E. Berkowitz, LP



Streeter Place

Location: Chicago, IL
Product: Solarban 60 Glass
Architect: Solomon Cordwell Buenz and Associates
Owner/Developer: Golub and Company
Glass Fabricator: Northwestern Industries, Inc.
Glazing Contractor: Custom Windows and J&D Erectors

LEED / Green Design Category	Feature	Benefit
Optimizing Energy Performance	Excellent SHGC, U-value, and Tvis performance	Enhance energy performance of building design
Daylight & Views	High VLT	Connectivity to natural lighting and the outdoors
Innovation in Design	Cradle to Cradle Certification SM	Selection of environmentally-focused product evaluation

Fabrication and Availability

Solarban® 60 glass is available exclusively through the **PPG Certified Fabricator® Network**. PPG Certified Fabricators can meet tight construction deadlines and accelerate the delivery of replacement glass before, during and after construction. **Solarban® 60** glass is manufactured using the sputter-coating process and is available for annealed, heat-strengthened and tempered applications.

Solarban® 60 glass is just one of many **ecological Solutions from PPG™**. For more information, or to obtain samples of this product, call **888-PPG-IDEA (774-4332)**, or visit www.ppgideascales.com.

PPG is the first U.S. float glass manufacturer to have its products recognized by the **Cradle to Cradle Certified™** program, and it offers more C2C-certified architectural glasses than any other float glass manufacturer.

PPG IdeaScapes® Integrated products, people and services to inspire your design and color vision.

Additional Resources: look at glass types, might be better for lighting and mech loads if has a tint

Solarban® 60 Glass Performance — Commercial Insulating Glass Unit Comparisons Using 1/4" (6mm) Glass

Insulating Vision Unit Performance Comparisons	1-inch (25mm) units with			1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites; as shown below		U-Value (Imperial)		European U-Value	Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
	Transmittance			Reflectance		Winter Night-time	Summer Day-time				
Glass Type	Ultra-violet %	Visible %	Total Solar Energy %	Visible Light %	Total Solar Energy %						
SOLARBAN® 60 Solar Control Low-E Glass											
SOLARBAN 60 (2) Clear + Clear	18	70	34	11	28	0.29	0.27	1.6	0.45	0.39	1.79
SOLARBAN 60 (2) STARPHIRE®	24	74	39	11	41	0.29	0.27	1.6	0.48	0.41	1.80
SOLARBAN 60 (2) ATLANTICA + Clear	5	53	20	8	7	0.29	0.27	1.6	0.32	0.27	1.96
SOLARBAN 60 (2) AZURIA + Clear	13	54	21	8	6	0.29	0.27	1.6	0.32	0.28	1.93
SOLARBAN 60 (2) OPTIGRAY + Clear	10	50	23	8	14	0.29	0.27	1.5	0.35	0.30	1.67
SOLARBAN 60 (2) PACIFICA + Clear	5	34	15	6	6	0.29	0.27	1.6	0.26	0.22	1.55
SOLARBAN 60 (2) SOLARBLUE + Clear	10	45	21	7	12	0.29	0.27	1.6	0.33	0.28	1.61
SOLARBAN 60 (2) SOLARBRONZE + Clear	8	42	21	7	15	0.29	0.27	1.6	0.32	0.28	1.50
SOLARBAN 60 (2) SOLARGRAY + Clear	8	35	18	6	12	0.29	0.27	1.6	0.29	0.25	1.40
SOLARBAN 60 (2) SOLEXIA + Clear	10	61	25	9	10	0.29	0.27	1.6	0.37	0.32	1.91
ATLANTICA® + SOLARBAN 60 (3) Clear	5	53	20	9	7	0.29	0.27	1.6	0.36	0.31	1.71
AZURIA® + SOLARBAN 60 (3) Clear	13	54	21	9	7	0.29	0.27	1.6	0.36	0.31	1.74
GRAYLITE® II + SOLARBAN 60 (3) Clear	1	7	4	4	5	0.29	0.27	1.6	0.14	0.13	0.54
OPTIGRAY® + SOLARBAN 60 (3) Clear	10	50	23	8	15	0.29	0.27	1.5	0.40	0.35	1.43
PACIFICA® + SOLARBAN 60 (3) Clear	5	34	15	6	7	0.29	0.27	1.6	0.29	0.25	1.36
SOLARBLUE® + SOLARBAN 60 (3) Clear	10	45	21	7	13	0.29	0.27	1.6	0.38	0.33	1.36
SOLARBRONZE® + SOLARBAN 60 (3) Clear	8	42	21	7	16	0.29	0.27	1.6	0.37	0.32	1.31
SOLARGRAY® + SOLARBAN 60 (3) Clear	8	35	18	7	13	0.29	0.27	1.6	0.33	0.29	1.21
SOLEXIA® + SOLARBAN 60 (3) Clear	10	61	25	10	10	0.29	0.27	1.6	0.42	0.37	1.65
VISTACOOl® Glass with SOLARBAN® 60 Solar Control Low-E (3)											
VISTACOOl (2) AZURIA + Low-E	11	42	16	20	11	0.29	0.27	1.6	0.30	0.26	1.62
VISTACOOl (2) PACIFICA + Low-E	4	26	12	11	9	0.29	0.27	1.6	0.25	0.21	1.24
SOLARCOOL® Glass (Reflective) with SOLARBAN® 60 Solar Control Low-E (3)											
SOLARCOOL (2) AZURIA + Low-E	4	21	8	19	10	0.29	0.27	1.6	0.19	0.17	1.24
SOLARCOOL (2) PACIFICA + Low-E	2	13	6	10	8	0.29	0.27	1.6	0.17	0.15	0.87
SOLARCOOL (2) SOLARBLUE + Low-E	3	17	9	14	15	0.29	0.27	1.6	0.21	0.18	0.94
SOLARCOOL (2) SOLARBRONZE + Low-E	2	17	9	14	18	0.29	0.27	1.6	0.21	0.18	0.94
SOLARCOOL (2) SOLARGRAY + Low-E	2	14	8	11	14	0.29	0.27	1.6	0.20	0.17	0.82
SOLARCOOL (2) SOLEXIA + Low-E	3	24	10	24	15	0.29	0.27	1.6	0.22	0.19	1.26

* Data based on using **STARPHIRE®** glass for both interior and exterior lites.

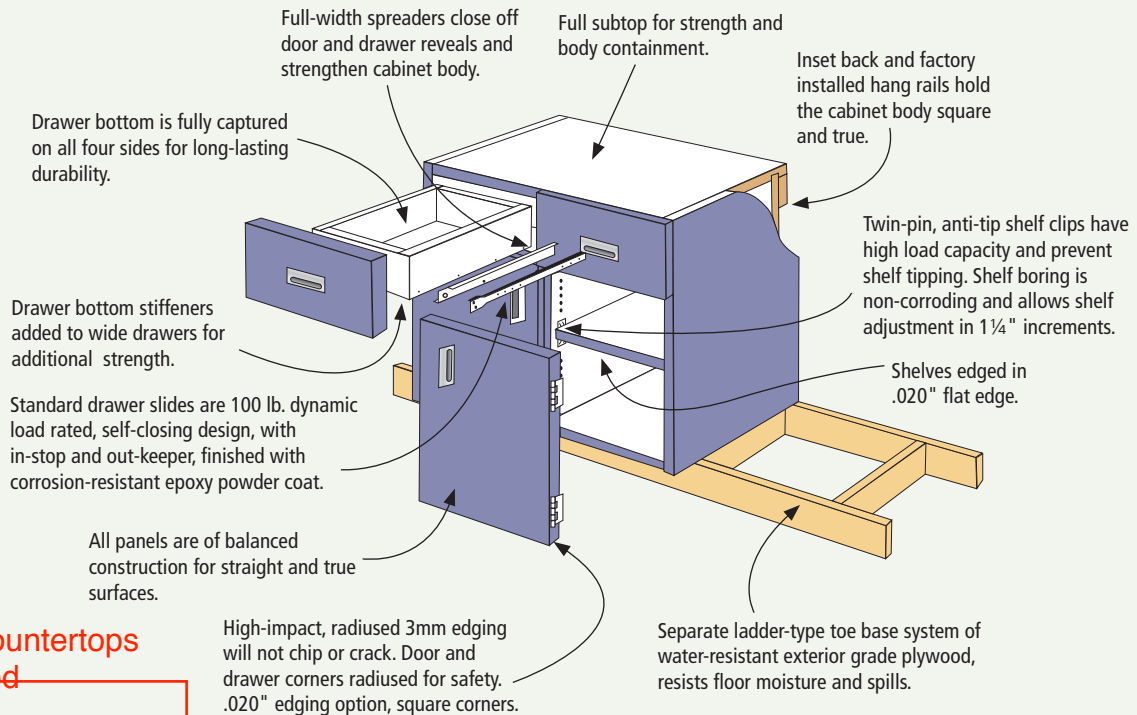
All performance data calculated using LBNL Window 6.3 software, except European U-value, which is calculated using WinDat version 3.0.1 software. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgideascales.com or request our Architectural Glass Catalog.

© 2014 PPG Industries, Inc. All rights reserved. *Atlantica, Azuria, Azurite, Graylite, IdeaScapes, Oceans of Color, Optiblue, Optigray, Pacifica, Solarban, Solarblue, Solarbronze, Solarcool, Solargray, Solex, Solexia, Starphire, Sungate, Vistacool*, the PPG logo and the PPG Certified Fabricator Network and the PPG Certified Programs are registered trademarks of PPG Industries Ohio, Inc. *Cradle to Cradle Certified* is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

Ecological Solutions from PPG is a trademark of PPG Industries Ohio, Inc.



LSI Cabinet Design and Construction Details



p-lam and countertops to be selected



L-44

- Overlay design
- Laminate door, drawer
- .020" or 3mm edging
- 5-knuckle or concealed hinge



L-47

- Overlay design
- Postformed door & drawer
- 3mm edging
- Concealed hinge



L-55

- Flush design
- Laminate door, drawer
- 3mm edging
- 5-knuckle hinge



Fusion

- Overlay design
- Melamine door, drawer
- .020" or 3mm edging
- 5-knuckle or concealed hinge



ProLab

- Flush design
- Wood veneer door, drawer
- Wood 3mm edging
- 5-knuckle hinge



ProLab 2

- Overlay design
- Wood veneer door, drawer
- Wood 3mm edging
- 5-knuckle or concealed hinge



Executive

- Overlay design
- Rigid Thermofoil door, drawer
- Integral edging
- Concealed hinge



Music

- Flush design
- Wire grille or laminate door
- 3mm edging
- 5-knuckle hinge

4.3 Interior Design Narrative

A. Typical Classrooms

1. Classrooms will have carpet tile along with paint on the walls and possibly one accent paint color on the teaching wall. The art room will receive luxury vinyl flooring, where the Pre-School classroom will have a mixture of carpet tile and luxury vinyl flooring. The ceilings will be an acoustical panel ceiling. Acoustical wall panels will be considered for the music room. Millwork in the classroom will have a plastic laminate countertop and plastic laminate vertical surfaces. Rubber coved wall base will be used with both types of flooring.

B. Commons Space / Library / Media Center

1. The commons spaces will have a mixture of carpet tile along and luxury vinyl flooring with a rubber coved wall base. CMU walls will receive high performance paint along with the possibility of some specialty wall finishes. Acoustical ceiling panels may be used in some form of pattern and color. Exposed ceiling and specialty clouds will be considered in the space.

C. Corridors

1. The corridor floors will be carpet tile. The ceilings will be a mixture of acoustical ceiling patterns and painted exposed structure, with some accent gypsum board bulkheads and accents. High performance coating wall paint will be used at CMU wall locations as well as high traffic areas. Some instances of a vinyl wall covering or a specialty material may occur to help enhance the space. Vestibules will have walk-off carpet tile on floors.

D. Restrooms

1. Restroom floors will consist of a 6"x6" or 3"x3" porcelain floor tile along with a coved porcelain wall base. Ceramic wall tile will be used full height at a minimum of all wet walls, if not all restrooms walls. Ceilings will either be acoustic panel ceiling or painted gypsum board.

Springfield Platteview Community Schools Westmont Elementary Remodel

4.4 Structural Design Narrative

1. The scope for structural will be determined as the design develops.

Springfield Platteview Community Schools Westmont Elementary Remodel

PART 4 -

4.5 MECHANICAL GENERAL DESIGN REQUIREMENTS

A. APPLICABLE CODES, REFERENCES AND REQUIREMENTS

1. ASHRAE Guide and Data Books as applicable.
2. ASHRAE Standard 62.1 Ventilation for Acceptable Indoor Air Quality.
3. ASHRAE Standard 90.1.
4. ASHRAE Standard 90.2.
5. International Building Code, 2012 Edition.
6. International Mechanical Code, 2006 Edition.
7. International Plumbing Code, 2006 Edition.
8. International Fuel Gas Code, 2006 Edition.
9. International Fire Code, 2012 Edition.
10. International Energy Conservation Code, 2009 Edition.
11. Life Safety Code NFPA No. 101, 2000 Edition.
12. Standard for the Installation of Sprinkler Design.

B. DESIGN REQUIREMENTS

1. Design Criteria:

Elevation	1071 ft.
Latitude	41.08°
Longitude	96.1°
2. Design Temperatures:

Winter (Heating)	
Outside =	-6.1 °F (99.6%)
Inside =	70 °F, 30% R.H.

Springfield Platteview Community Schools Westmont Elementary Remodel

Summer (Cooling/Ventilation)

Outside = 94.0°F D.B., 75.0°F W.B. (0.4%)

Inside = 75°F, 55% R.H.

3. Ventilation Rates:

- a. All ventilation rates are based on the requirements of ASHRAE 62.1 and IMC 2006. All toilet areas will be exhausted at a rate of 75 CFM per water closet or urinal. For most restrooms this will equate to an exhaust flow rate of approximately 10-15 air changes per hour.
- b. All classroom areas will be provided with approximately 12 to 15 CFM per person based upon the occupancy as defined in ASHRAE 62.1. All classrooms shall be ventilated based upon 30 persons.
- c. All HVAC system sizing has been based on fixed windows or closed operable windows. Systems will not operate properly if windows are left open when the outside temperature and humidity conditions are different than the indoor conditions.
- d. Large meeting space areas will be provided with 7-1/2 CFM per occupant due to reductions available with less than three (3) hours of continuous use. Space will also have CO₂ sensor control of outside air.
- e. All other occupied areas will be provided with outside ventilation air at the rate of approximately 12 to 15 CFM per occupant.
- f. All mechanical rooms and electrical equipment rooms will be exhausted as required to maintain ventilation or space temperature requirements.
- g. Any data rooms will have its own heat pump unit system for 24-hour cooling capability.

4. Site Plan:

- a. Water: A new 6" fire service will be required. A new room will be built to house the fire riser.
- b. Sanitary: No site work will be required.
- c. Storm: No site work will be required.
- d. Natural Gas: A new natural gas service to the building and a new meter will be installed to serve the new water heater, boiler, gym rooftop HVAC unit and energy recovery units.

Springfield Platteview Community Schools Westmont Elementary Remodel

- e. Lawn Sprinkler: No site work will be required.

4.6 PLUMBING

A. GENERAL

1. Plumbing Demolition: The existing plumbing system will remain and be reused except for the electric domestic hot water heater located in the main mechanical room. Minor demolition of plumbing fixtures and associated piping will occur for any changes in restroom configurations.
2. Plumbing Fixtures: Fixtures will be selected for the use of the facility. Standard vitreous china water closets, urinal and lavatories will be provided for the restrooms. Faucets and flush valves will be battery operated automatic sensor type. Renovated restrooms will have floor drains. Stainless steel sinks with bubblers will be provided for the classrooms.
3. Plumbing Piping:
 - a. Existing plumbing piping will remain and be reused. New piping will be installed to the new plumbing fixtures with materials as listed below.
 - b. Domestic hot and cold water piping will be copper Type "L" aboveground, Type "K" below ground.
 - c. All plumbing, waste and vent piping aboveground will be standard weight cast iron, with no hub joints.
 - d. Sanitary sewer below ground will be PVC pipe.
4. Plumbing Insulation: All domestic hot and cold water piping will be insulated with 1-inch fiberglass insulation.
5. Water Meter: Existing water meter location will be evaluated and may be relocated. Currently the water meter is located near the electrical gear.
6. Water Heaters: Existing electric domestic hot water heater in the main mechanical room will be replaced with a new gas-fired high-efficiency hot water heater. Water temperature shall be 140°F blended down with a mixing valve for 110°F water to all areas. Instantaneous gas-fired water heater will be evaluated.
7. Water Softeners: No water softener will be installed. Connections will be provided for a future water softener.
8. Storm Piping: Existing storm piping will remain.

Springfield Platteview Community Schools

Westmont Elementary Remodel

9. Natural Gas: Natural gas will be routed to all gas-fired heating equipment. Steel piping shall be routed through ceiling space or on roof as necessary. Gas pressure shall be 2 PSIG from meter to all equipment locations where pressure shall be reduced to meet equipment requirements.

4.7 HEATING, VENTILATING AND AIR CONDITIONING (HVAC)

A. GENERAL

1. HVAC Demolition: The entire existing HVAC system will be removed except for some ductwork that serves the Commons area. This ductwork will be reused and cleaned. The existing HVAC system consists of heat pumps, ductwork, piping, diffusers/registers, exhaust fans, cooling tower, indoor cooling tower drain down tank, distributions pumps, heat exchanger, electric boilers, associated hydronic accessories and controls.
2. Air Conditioning: Heat pump system will be extended to all areas of the new facility except as follows:
 - a. Gymnasium (served by DX cooled, gas-fired heating rooftop unit).
 - b. Vestibules (served by electric cabinet unit heaters).
 - c. Mechanical/Electrical Rooms (served by electric unit heaters).
3. Heat Pump Units: Horizontal type heat pump units will be located above ceilings near each space served by the heat pump. Supply air will be routed through ductwork system above the ceiling to ceiling supply diffusers. Return air will be through the return air ductwork from a filter return grille in each room at each heat pump location.
4. Each heat pump shall have a DDC sensor with override capability, able to cycle compressor (with fan running continuously) to maintain space temperature. A new head end controls system with graphics will be provided to control the system.
5. Distribution Pumps: End suction, base-mounted pumps will circulate water through the heat pump loop. Variable frequency drives will be installed for each pump.
6. Heat Pump Loop Condenser Water Supply and Return Piping: Schedule 40, black steel piping or Type "L" copper piping at Contractor's option.
7. NOTE: Piping water will be sized at maximum of 4'/100' loss and maximum velocity of 10-feet/second.
8. Coil Condensate Piping: Type "M" copper.

Springfield Platteview Community Schools Westmont Elementary Remodel

9. HVAC Insulation:

- | | | |
|----|-------------------------|-------------------|
| a. | Condensate Piping | 1-inch fiberglass |
| b. | Heat Pump Loop Piping | 1-inch fiberglass |
| c. | Hose Kits at Heat Pumps | 1/2-inch Armacell |

B. GEOTHERMAL HEAT PUMPS AND PIPING SYSTEM

1. The building will be heated and cooled with closed loop high-efficiency water source heat pumps. An approximate 50 to 60 bore ground loop heat exchanger (GLHE) will be provided for heat rejection and heat addition to the loop. Each bore will be 250 to 300 feet deep. A gas-fired boiler will be sized for 20% to 30% of peak heating load. This backup will be provided for backup heating to the GLHE if the system appears to be heating dominated in the GLHE sizing. This allows the loop to operate no lower than 43°F entering water into the heat pumps which allows cooling operation year round. This also will allow the loop to be without glycol. Test bore and conductivity results will be utilized to finalize bore field size and bore hole depths.

C. TEST AND BALANCE

1. Test and Balance: The air and water systems will be balanced by a certified test and balance agency. TAB contractor will balance airflow and water flow, measure electrical performance and verify that automatic control devices are functioning properly.

D. TEMPERATURE CONTROLS

1. Temperature Controls: A direct digital energy management system will be provided. The interface to the control system will be web-based which will allow access to the controls system by authorized users from remote connections.

4.8 HVAC – DUCTWORK SYSTEMS

A. GENERAL

1. Ductwork sheet metal fabrication and installation to be per latest SMACNA guidelines. All ductwork shall be galvanized sheet metal and shall have joints sealed with fire retardant duct sealer.
2. Registers, Grilles and Diffusers: Steel or aluminum sized as required for air distribution without objectionable noise or drafts. Maximum NC rated at NC = 25.

Springfield Platteview Community Schools Westmont Elementary Remodel

3. HVAC Insulation:
 - a. Ventilation Air Unit Supply Air Ductwork: 2", 3/4 lb. density fiberglass wrap insulation. Provide double wall ductwork with 1-1/2" liner on the first 30' of supply duct.
 - b. Ventilation Air Unit Exhaust Air Ductwork: None, except within 30' of the ventilation unit shall have 1" acoustical duct liner.
 - c. Heat Pump Supply and Return Ductwork: 1-1/2" acoustical duct liner.
4. Ventilation Air: Approximately two packaged rooftop air handling systems with enthalpy type energy recovery (ERV) will provide ventilation air ducted to the return air ductwork on each heat pump unit. ERV components include supply and exhaust blowers, filters, enthalpy wheel (variable speed drive), direct expansion (DX) cooling system, gas-fired heating system and integral controls. Unit on/off operation to be controlled by DDC system.
5. Miscellaneous: Electric cabinet unit heaters will be provided at all remote entrance vestibules.
6. Filters: Minimum of MERV 8 filters will be provide for the rooftop units and heat pumps. Rooftop units shall have 2" thick filters and heat pumps shall have 1" thick filters.

4.9 FIRE SUPPRESSION

A. GENERAL

1. A new, wet pipe, fire sprinkler system will be provided to serve the entire facility. This fire suppression system will be served by a new, 6", fire main. Immediately upon entrance into the existing facility, a backflow prevention device will be installed, the shut-off valves of which will be monitored by the building's fire alarm system. Given the facilities footprint, one fire sprinkler riser will be required to serve this building. The system will be further broken down into zones by floor.

B. RISER

1. The wet pipe fire sprinkler riser will contain a flow switch that is monitored by the building's fire alarm system. This switch will be connected to an outside combination bell/strobe that will be installed centered over the top of the fire department connection (FDC).

C. FIRE MAIN

Springfield Platteview Community Schools Westmont Elementary Remodel

1. A six (6) inch fire main will be provided to serve the new fire sprinkler system. The piping will be in accordance with the water provider's requirements. A post indicator valve (PIV) will be installed at a minimum distance of 40' from the building in accordance with NFPA 13 and NFPA 24 design guidelines. The PIV will be equipped with a tamper switch that will be monitored by the building's fire alarm system.

D. SPRINKLER PIPING

1. The piping shall be schedule 10 and schedule 40 steel piping. The piping shall be supported by the building structure.

E. SPRINKLERS

1. Sprinklers shall be recessed pendants with a factory white finish where ceilings are provided. Sprinklers in exposed construction areas shall be upright style with brass or factory white finish depending on the location. Brass finish shall be used in non-public spaces. Sprinklers installed in the gymnasium shall have protective wire guards.

4.10 MECHANICAL SPECIFICATION LIST

Fire Protection General Provisions	21 00 00
Fire Protection	21 05 00
Fire Water Systems	21 10 00
Plumbing General Provisions	22 00 00
Plumbing Submittals	22 00 10
Common Plumbing Materials and Requirements	22 05 00
Plumbing Insulation	22 07 00
Plumbing Piping	22 11 16
Plumbing Specialties	22 11 19
Domestic Water Heaters	22 33 00
Plumbing Fixtures	22 40 00
Mechanical General Provisions	23 00 00
Mechanical Submittals	23 00 10
Air Duct Cleaning	23 01 31
Common HVAC Materials and Methods	23 05 00
HVAC Testing, Adjusting and Balancing	23 05 93
HVAC Insulation	23 07 00
Building Management and Control Systems	23 09 05
Variable Frequency Drives	23 09 33
Sequence of Operation	23 09 93
Hydronic Pumps	23 20 00
Hydronic Piping and Specialties	23 21 13
Geothermal Ground Loop Heat Pump Systems	23 21 16

Springfield Platteview Community Schools Westmont Elementary Remodel

Hydronic Systems Cleaning and Treatment	23 25 00
Geothermal Hydronic Systems Cleaning and Treatment	23 25 15
Metal Ducts	23 31 13
Duct Accessories	23 33 00
Fans and Ventilators	23 34 00
Condensing Boilers and Accessories	23 52 16
Air to Air Energy Recovery Equipment	23 72 00
Water Source Heat Pumps	23 81 46
Electric Heating Systems	23 82 39

**Springfield Platteview Community Schools
Westmont Elementary Remodel**

MECHANICAL CUT SHEETS

PLUMBING FIXTURES

Springfield Platteview Community Schools Westmont Elementary Remodel



WATER CLOSET: WC-1

FIXTURE

VITREOUS CHINA, SIPHON JET, ELONGATED WALL HANGING WATER SAVER CLOSET LOW CONSUMPTION (4.8 LPF/1.28 GPF) FULLY GLAZED 2" BALLPASS TRAPWAY, 10" x 12" WATER SURFACE, 1-1/2" TOP SPUD, AND BOLT CAPS.

AMERICAN STANDARD "AFWALL" 2257.101.

TRIM

EXPOSED, QUIET, DIAPHRAGM TYPE, CHROME PLATED FLUSHOMETER, ADA COMPLIANT BATTERY POWERED INFRARED SENSOR FOR AUTOMATIC "NO HANDS" OPERATION. INFRARED SENSOR WITH MULTIPLE-FOCUSED, LOBULAR SENSING FIELDS FOR HIGH AND LOW TARGET DETECTION. ISOLATED LATCHING SOLENOID OPERATOR, ISOLATES MAGNETIC COMPONENTS FROM WATER CONTACT. DUAL FILTERED BY-PASS DIAPHRAGM, STOP SEAT, AND VACUUM BREAKER, SHALL BE CHLORAMINE RESISTANT MATERIALS. ENGINEERED METAL COVER WITH REPLACEABLE LENS WINDOW, USER FRIENDLY THREE (3) SECOND FLUSH DELAY, COURTESY FLUSH OVERRIDE BUTTON, INCLUDE FOUR (4) SIZE AA BATTERIES, "LOW BATTERY" FLASHING LED, INFRARED SENSOR RANGE ADJUSTMENT SCREW, 1" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP, FREE SPINNING VANDAL RESISTANT STOP CAP, SWEAT SOLDER ADAPTER WITH COVER TUBE AND CAST SET SCREW WALL FLANGE, ADJUSTABLE TAILPIECE, AND FIVE (5) YEAR WARRANTY.

SLOAN G2 OPTIMA PLUS MODEL 8111-1.28 LOW CONSUMPTION (1.28 GPF/ 4.8 LPF).

CARRIER

ADJUSTABLE HEIGHT FOR FIXTURE SPECIFIED, VERIFY WALL CONSTRUCTION AND PLUMBING ARRANGEMENT AS SHOWN ON ARCHITECTURAL PLANS AND RISER PRIOR TO ORDERING. ALL PORTIONS OF CARRIER SHALL BE CONCEALED IN WALL CONSTRUCTION. USE WIDE CHASE CARRIER OPTIONS WHEN WALL OR CHASE EXCEEDS MOUNTING STUD LENGTH. SEE SPECIFICATIONS. INSTALL ANCHOR FOOT ON ALL WATER CLOSET FIXTURE CARRIERS.

**Springfield Platteview Community Schools
Westmont Elementary Remodel**

COMMERCIAL WEIGHT SOLID PLASTIC OPEN FRONT LESS COVER FOR ELONGATED BOWL. LARGE INTEGRAL BUMPER SHALL BE COLOR-MATCHED MOLDED PLASTIC. HINGES TO FEATURE EXTERNAL CHECK AND INTERNAL SELF-SUSTAINING MECHANISMS IN BOTH HINGES. COLOR SHALL BE WHITE.
CHURCH MODEL #295SSC.

Springfield Platteview Community Schools Westmont Elementary Remodel



WATER CLOSET: WC-2

INSTALL PER A.D.A. HANDICAP REQUIREMENTS : TOP OF SEAT AT 17 TO 19" A.F.F.

FIXTURE

VITREOUS CHINA, SIPHON JET, ELONGATED WALL HANGING WATER SAVER CLOSET LOW CONSUMPTION (4.8 LPF/1.28 GPF) FULLY GLAZED 2" BALLPASS TRAPWAY, 10" x 12" WATER SURFACE, 1-1/2" TOP SPUD, AND BOLT CAPS.

AMERICAN STANDARD "AFWALL" 2257.101.

TRIM

EXPOSED, QUIET, DIAPHRAGM TYPE, CHROME PLATED FLUSHOMETER, ADA COMPLIANT BATTERY POWERED INFRARED SENSOR FOR AUTOMATIC "NO HANDS" OPERATION. INFRARED SENSOR WITH MULTIPLE-FOCUSED, LOBULAR SENSING FIELDS FOR HIGH AND LOW TARGET DETECTION. ISOLATED LATCHING SOLENOID OPERATOR, ISOLATES MAGNETIC COMPONENTS FROM WATER CONTACT. DUAL FILTERED BY-PASS DIAPHRAGM, STOP SEAT, AND VACUUM BREAKER, SHALL BE CHLORAMINE RESISTANT MATERIALS. ENGINEERED METAL COVER WITH REPLACEABLE LENS WINDOW, USER FRIENDLY THREE (3) SECOND FLUSH DELAY, COURTESY FLUSH OVERRIDE BUTTON, INCLUDE FOUR (4) SIZE AA BATTERIES, "LOW BATTERY" FLASHING LED, INFRARED SENSOR RANGE ADJUSTMENT SCREW, 1" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP, FREE SPINNING VANDAL RESISTANT STOP CAP, SWEAT SOLDER ADAPTER WITH COVER TUBE AND CAST SET SCREW WALL FLANGE, ADJUSTABLE TAILPIECE, AND FIVE (5) YEAR WARRANTY.

SLOAN G2 OPTIMA PLUS MODEL 8111-1.28 LOW CONSUMPTION (1.28 GPF/ 4.8 LPF).

CARRIER

ADJUSTABLE HEIGHT FOR FIXTURE SPECIFIED, VERIFY WALL CONSTRUCTION AND PLUMBING ARRANGEMENT AS SHOWN ON ARCHITECTURAL PLANS AND RISER PRIOR TO ORDERING. ALL PORTIONS OF CARRIER SHALL BE CONCEALED IN WALL CONSTRUCTION. USE WIDE CHASE CARRIER OPTIONS WHEN WALL OR

**Springfield Platteview Community Schools
Westmont Elementary Remodel**

CHASE EXCEEDS MOUNTING STUD LENGTH. SEE SPECIFICATIONS. INSTALL ANCHOR FOOT ON ALL WATER CLOSET FIXTURE CARRIERS.

COMMERCIAL WEIGHT SOLID PLASTIC OPEN FRONT LESS COVER FOR ELONGATED BOWL. LARGE INTEGRAL BUMPER SHALL BE COLOR-MATCHED MOLDED PLASTIC. HINGES TO FEATURE EXTERNAL CHECK AND INTERNAL SELF-SUSTAINING MECHANISMS IN BOTH HINGES. COLOR SHALL BE WHITE.

CHURCH MODEL #295SSC.

Springfield Platteview Community Schools Westmont Elementary Remodel



URINAL: UR-1

COMPLIES WITH A.D.A. HANDICAPPED REQUIREMENTS WHEN INSTALLED PER MANUFACTURERS RECOMMENDATIONS. FLUSH VALVE TO BE A MAXIMUM OF 44" A.F.F.

FIXTURE

WALL HUNG, VITREOUS CHINA, FLUSHING RIM, LOW CONSUMPTION (1.9 LPF/0.50 GPF) SIPHON JET FLUSH ACTION, 14" RIM FROM FINISH WALL, 3/4" TOP SPUD, 2" THREADED OUTLET CONNECTION AND WALL HANGER.

AMERICAN STANDARD "ALLBROOK" 6550.001.

TRIM

EXPOSED, QUIET, DIAPHRAGM TYPE, CHROME PLATED URINAL FLUSHOMETER AND ADA COMPLIANT BATTERY POWERED INFRARED SENSOR FOR AUTOMATIC "NO HANDS" OPERATION. INFRARED SENSOR WITH MULTIPLE-FOCUSED, LOBULAR SENSING FIELDS FOR HIGH AND LOW TARGET DETECTION. ISOLATED LATCHING SOLENOID OPERATOR THAT ISOLATES MAGNETIC COMPONENTS FROM WATER CONTACT. DUAL FILTERED BY-PASS DIAPHRAGM, STOP SEAT, AND VACUUM BREAKER SHALL BE CHLORAMINE RESISTANT MATERIALS. ENGINEERED METAL COVER WITH REPLACEABLE LENS WINDOW, COURTESY FLUSH OVERRIDE BUTTON, INCLUDE FOUR (4) SIZE AA BATTERIES, "LOW BATTERY" FLASHING LED, INFRARED SENSOR RANGE ADJUSTMENT SCREW, 3/4" I.P.S. SCREWDRIVER BACK-CHOK ANGLE STOP, FREE SPINNING VANDAL RESISTANT STOP CAP, SWEAT SOLDER ADAPTER WITH COVER TUBE, CAST SET SCREW WALL FLANGE, ADJUSTABLE TAILPIECE AND FIVE (5) YEAR WARRANTY.

SLOAN G2 OPTIMA PLUS MODEL 8186-0.5 LOW CONSUMPTION (0.5 GPF/ 1.9 LPF)

CARRIER

FOR STUD WALL/PLUMBING CHASE CONSTRUCTION:

FLOOR-MOUNTED SINGLE URINAL CARRIER WITH HANGER PLATE, BEARING PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS, WELDED

**Springfield Platteview Community Schools
Westmont Elementary Remodel**

FEET AND SUPPLY PIPE SUPPORT. ALL PORTIONS OF CARRIER SHALL BE CONCEALED WITHIN WALL/PIPE CHASE CONSTRUCTION. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

VERIFY WALL/CHASE THICKNESS PRIOR TO ORDERING CARRIER(S).

FOR BLOCK WALL CONSTRUCTION:

WALL-MOUNTED SINGLE URINAL CARRIER WITH HANGER PLATES AND ADJUSTABLE SUPPORTING RODS.

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

VERIFY BLOCK WALL THICKNESS PRIOR TO ORDERING CARRIER(S).

Springfield Platteview Community Schools Westmont Elementary Remodel



LAVATORY: L-1

FIXTURE

20" x 18" SIZE, VITREOUS CHINA, WALL HUNG LAVATORY (COMPLIES WITH ADA) WITH BACK, PUNCHED FOR CONCEALED ARM CARRIER, ANTI-SPLASH RIM AND FRONT OVERFLOW.

AMERICAN STANDARD "LUCERNE" 0355.012.

KOHLER "KINGSTON" K-2005.

TRIM

BATTERY POWERED, CHROME PLATED BRASS, SENSOR OPERATED, 4" CENTER-SET ELECTRONIC HAND WASHING FAUCET, 2.2 GPM (8.3 LPM) VANDAL RESISTANT AERATOR, ADA COMPLIANT, CAST BRASS, LOW BATTERY LED INDICATOR LIGHT, BELOW DECK THERMOSTATIC MIXING VALVE AND METAL JACKETED WIRE PROTECTION FOR SENSOR LEAD.

THERMOSTATIC MIXING VALVE: SOLID BRASS CONSTRUCTION, CORROSION RESISTANT INTERNAL COMPONENTS, INTEGRAL CHECKS WITH SCREENS AND ADJUSTABLE TEMPERATURE SELECTION WITH LOCK NUT TO PREVENT TAMPERING.

SLOAN OPTIMA EBF-650-BDT (ETF-1024-A), POWERS LFE480 MIXING VALVE.

COMPLETE WITH SOLID BRASS STOPS WITH ALL BRASS STEMS AND CHLORAMINE-CHLORINE RESISTANT WASHERS. CHLORAMINE-CHLORINE RESISTANT BRAIDED STAINLESS STEEL OR POLYMER FLEXIBLE CONNECTORS. CAST BRASS SOLID TOP OPEN GRID P.O. PLUG WITH 6" 17 GAUGE TAILPIECE WITH CAST BRASS LOCKNUT. HEAVY CAST BRASS ADJUSTABLE P-TRAP WITH 17 GA TUBULAR WALL BEND AND BRASS SLIP NUTS. (ALL BRASS MATERIALS SHALL BE CHROME PLATED)

PROVIDE TRUEBRO "LAV GUARD2" MODEL #102 E-Z.

CARRIER

FOR BLOCK WALL CONSTRUCTION:

WALL-MOUNT, SINGLE LAVATORY CARRIER WITH CONCEALED ARMS, LEVELING AND SECURING SCREWS AND ADJUSTABLE WALL PLATE. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

**Springfield Platteview Community Schools
Westmont Elementary Remodel**

VERIFY WALL THICKNESS PRIOR TO ORDERING CARRIER(S).

FOR STUD WALL CONSTRUCTION:

FLOOR-MOUNT, SINGLE LAVATORY CARRIER WITH CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND BLOCK BASES.
SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

VERIFY WALL THICKNESS PRIOR TO ORDERING CARRIER(S).

**Springfield Platteview Community Schools
Westmont Elementary Remodel**



SINK: S-1

FIXTURE

18 GAUGE, TYPE 304 STAINLESS STEEL SINGLE COMPARTMENT DOUBLE LEDGE SINK WITH FOUNTAIN LEDGE ON RIGHT, SELF RIMMING, 1-3/4" RADIUS COVERED CORNERS. COMPARTMENT, FAUCET DECK AND FOUNTAIN ARE RECESSED 3/16" BELOW OUTSIDE EDGE OF SINK. 3 FAUCET HOLES AND 1 HOLE FOR FOUNTAIN. 3-1/2" DRAIN OPENING.

OVERALL DIMENSIONS: 25" LONG X 17" WIDE

DIMENSIONS OF BOWLS: 16" LONG X 13-1/2" WIDE X 7-1/2" DEEP

ELKAY DRKAD-2522L.

TRIM

CHROME FINISHED COMBINATION FITTING WITH 4" WRIST BLADE HANDLES, HI-ARC 45° RESTRICTED SWING SPOUT, 10" OUTLET HEIGHT, 6-1/2" REACH, 2.5 GPM FLOW RESTRICTOR, AERATOR AND 3-HOLE INSTALLATION.

ELKAY LKD-2439-BH.

NO-LEAD FLEXI-GUARD BUBBLER

ELKAY LK-1141-A.

COMPLETE WITH SOLID BRASS STOPS WITH ALL BRASS STEMS AND CHLORAMINE-CHLORINE RESISTANT WASHERS, CHLORAMINE-CHLORINE RESISTANT BRAIDED STAINLESS STEEL FLEXIBLE CONNECTORS (SUPPLY TUBES), STAINLESS STEEL BASKET STRAINER WITH STAINLESS STEEL BASKET, CAST BRASS LOCK AND COUPLING NUTS, BRASS 4" 17 GAUGE TAILPIECE, HEAVY CAST BRASS ADJUSTABLE P-TRAP WITH 17 GAUGE TUBULAR WALL BEND AND BRASS ESCUTCHEONS. (ALL BRASS MATERIALS SHALL BE CHROME PLATED)

**Springfield Platteview Community Schools
Westmont Elementary Remodel**



SINK: S-2

FIXTURE

18 GAUGE, TYPE 304 STAINLESS STEEL, DOUBLE COMPARTMENT COUNTERTOP SINK, SELF RIMMING, 1-3/4" RADIUS COVERED CORNERS AND UNDERSIDE FULLY UNDERCOATED. COMPARTMENT AND FAUCET DECK ARE RECESSED 3/16" BELOW OUTSIDE EDGE OF SINK, 3 FAUCET HOLES AND 3-1/2" DRAIN OPENING. OVERALL DIMENSIONS: 33" LONG X 19-1/2" WIDE
DIMENSIONS OF BOWLS: 14" LONG X 14" WIDE X 7-1/2" DEEP
ELKAY LRAD-3319.

TRIM

CHROME FINISHED, COMBINATION FITTING WITH 4" WRIST BLADE HANDLES, 8" GOOSENECK RIGID/SWING SPOUT, 6-1/8" OUTLET HEIGHT, 2.5 GPM FLOW RESTRICTOR, AERATOR AND 3-HOLE INSTALLATION.
CHICAGO FAUCET 786-GN-8A-E3.

SUSPENDED TYPE SOLIDS INTERCEPTOR, COATED CAST IRON BODY, TOP ACCESS, FIXTURE TRAP TYPE, 1 1/2" THREADED SIDE INLET AND OUTLET, GASKETED COVER AND REMOVABLE PERFORATED STAINLESS STEEL SCREEN. 6" MINIMUM CLEARANCE REQUIRED ABOVE INTERCEPTOR FOR REMOVAL OF BASKET.

JOSAM 61031-1/2.

COMPLETE WITH SOLID BRASS STOPS WITH ALL BRASS STEMS AND CHLORAMINE-CHLORINE RESISTANT WASHERS, CHLORAMINE-CHLORINE RESISTANT BRAIDED STAINLESS STEEL FLEXIBLE CONNECTORS (SUPPLY TUBES), HEAVY DUTY FORGED BRASS BASKET STRAINERS WITH BRASS BASKETS AND CAST BRASS LOCK AND COUPLING NUTS, BRASS 4" 17 GAUGE TAILPIECE. HEAVY CAST BRASS ADJUSTABLE P-TRAP WITH 17 GAUGE TUBULAR WALL BEND. 1-1/2" END OUTLET CONTINUOUS WASTE WITH CAST BRASS TEE, 17 GAUGE WASTE ARM AND BRASS SLIP NUTS. BRASS ESCUTCHEONS. (ALL BRASS MATERIALS SHALL BE CHROME PLATED)

Springfield Platteview Community Schools
Westmont Elementary Remodel



DRAIN BOX: DB-1

FIXTURE:

12"X12"X4" 16 GAGE TYPE 304 STAINLESS STEEL DRAIN BOX. EXPOSED EXTERIOR SURFACES WITH SATIN FINISH, INTERIOR IS GLASBLAST FINISH. DOOR INCLUDES CYLINDER LOCK AND CONTINUOUS PIANO HINGE. 1" WALL FLANGE IS INTEGRAL WITH BOX.

OPTIONS INCLUDE: 2" PUNCHED OPENING IN THE TOP AND STAINLESS STEEL TAILPIECE WASTE CONNECTION 2" O.D. X 3" LONG FOR THE BOTTOM.

ACORN MODEL NO: M8200-E510.

MOUNT DRAIN BOX AT 48" A.F.F.



FLOOR CLEANOUT: FCO

FIXTURE

DUCO CAST IRON CLEANOUT WITH ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP, NO-HUB OUTLET, AND INTERNAL TAPER THREAD BRONZE PLUG.

FINISHED FLOOR CLEANOUT WITH ROUND NICKEL BRONZE TOP
J.R. SMITH 4020.

FINISHED FLOOR CLEANOUT WITH SQUARE NICKEL BRONZE TOP
J.R. SMITH 4040.

FINISHED FLOOR CLEANOUT WITH ROUND EXTRA HEAVY DUTY NICKEL BRONZE TOP
J.R. SMITH 4100.

FIXTURE

DUCO CAST IRON CLEANOUT WITH ADJUSTABLE SECURED NICKEL BRONZE TOP WITH 1/8" TILE RECESS, NO-HUB OUTLET, AND INTERNAL TAPER THREAD BRONZE PLUG.

TILED FLOOR CLEANOUT WITH ROUND NICKEL BRONZE TOP
J.R. SMITH 4140.

TILED FLOOR CLEANOUT WITH SQUARE NICKEL BRONZE TOP
J.R. SMITH 4160.

FIXTURE

DUCO CAST IRON CLEANOUT WITH ADJUSTABLE SECURED NICKEL BRONZE TOP WITH 1/2" TERRAZZO RECESS, NO-HUB OUTLET, AND INTERNAL TAPER THREAD BRONZE PLUG.

**Springfield Platteview Community Schools
Westmont Elementary Remodel**

TERRAZZO FLOOR CLEANOUT WITH ROUND NICKEL BRONZE TOP
J.R. SMITH 4180.

TERRAZZO FLOOR CLEANOUT WITH SQUARE NICKEL BRONZE TOP
J.R. SMITH 4200.

FIXTURE

DUCO CAST IRON CLEANOUT WITH ADJUSTABLE SCORIATED SECURED CAST IRON TOP, INSIDE CAULK OUTLET, AND INTERNAL TAPER THREAD BRONZE PLUG.

UNFINISHED FLOOR CLEANOUT WITH ROUND EXTRA HEAVY DUTY CAST IRON TOP
J.R. SMITH 4220.

UNFINISHED FLOOR CLEANOUT WITH ROUND CAST IRON TRACTOR COVER.
J.R. SMITH 4240.

UNFINISHED FLOOR CLEANOUT WITH ROUND FLANGED HOUSING & HEAVY DUTY COVER.
J.R. SMITH 4250.

NOTES:

1. VERIFY FLOOR FINISH.
2. VERIFY TYPE OF CARPET CLEANOUT MARKER TO BE INSTALLED WITH ARCHITECT.
3. PROVIDE AN INCONSPICUOUS LOCATOR FOR ANY FLOOR TYPE CLEANOUT. IF ACCESS TO THE DRAINAGE LINE SHOULD BE DESIRED, CLEANOUT CAN BE READILY FOUND AND CARPET CAN BE CUT, ALLOWING ACCESS. THIS MARKER TAKES PLACE OF LARGE BRONZE COVERS BEING PLACED IN CARPETED AREAS.

J.R. SMITH OPTION (-Y) CARPET CLEANOUT MARKER.

OPTIONS:

- F-C: FLANGE WITH FLASHING CLAMP
- U: VANDAL PROOF SCREWS
- X: CARPET CLAMPING FRAME

Springfield Platteview Community Schools Westmont Elementary Remodel



FLOOR DRAIN: FD-1

FIXTURE

HIGH IMPACT RESISTANT POLYPROPYLENE FLOOR DRAIN, TWO-PIECE BODY WITH FLEECE-COVERED SURFACE, COLLAR IS A POLYETHYLENE CRACK-BRIDGING WATERPROOF MEMBRANE WITH FLEECE WEBBING, BOTTOM OUTLET, AND STAINLESS STEEL GRATE.

SCHLUTER-KERDI-DRAIN #KD 10 AS.



FLOOR DRAIN: FD-2

FIXTURE

MEDIUM DUTY CAST IRON FLOOR DRAIN, TWO-PIECE BODY WITH DOUBLE DRAINAGE FLANGE, NON-PUNCTURING FLASHING COLLAR, SEEPAGE OPENINGS, BOTTOM OUTLET, 12"Ø ROUND CAST IRON TOP AND REMOVABLE SEDIMENT BUCKET.

J.R. SMITH 2131-B.



HOSE BIBB: HB-1

CONTRACTOR IS TO VERIFY WALL THICKNESS PRIOR TO ORDERING HOSE BIBB(S).

FIXTURE

**3/4" CAST BRASS ANTI-SIPHON VACUUM BREAKER HOSE BIBB WITH TEFLON IMPREGNATED PACKING, ADJUSTABLE BRASS NUT WITH DEEP STEM GUARD, 3/4" MALE HOSE THREAD, POLYCARBONATE WHEEL HANDLE AND LOOSE TEE KEY.
WOODFORD #24.**

**Springfield Platteview Community Schools
Westmont Elementary Remodel**



ROOF HYDRANT: RH-1

CONTRACTOR IS TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

FIXTURE

1-1/2" GALVANIZED, FREEZELESS, DRAINLESS ROOF HYDRANT. ONE PIECE VARIABLE FLOW PLUNGER, EASY OPEN HANDLE, ADJUSTABLE LINK, 3/4" NPT FEMALE INLET, DUAL CHECK BACKFLOW PREVENTER, CAST IRON HYDRANT SUPPORT, CAST IRON UNDER DECK FLANGE, WELL SEAL WITH EPDM BOOT COVER, 2° SHIM FOR PITCHED ROOF AND 3/4" HOSE CONNECTION.

WOODFORD SRH-MS.



MIXING VALVE: TMV-1

FIXTURE:

HIGH-LOW MASTER MIXING VALVE OF THE THERMOSTATIC TYPE WITH LIQUID FILLED THERMAL MOTOR, BRONZE BODY CONSTRUCTION WITH REPLACEABLE CORROSION RESISTANT COMPONENTS, SLIDING PISTON CONTROL MECHANISM, SLIDING PISTON AND LINER TO BE STAINLESS STEEL, UNION END STOP AND CHECK INLETS WITH REMOVABLE STAINLESS STEEL STRAINERS, VALVE SHALL PROTECT AGAINST HOT OR COLD SUPPLY LINE FAILURE AND THERMOSTAT FAILURE, SHUTOFF VALVE ON TEMPERED WATER OUTLET, DIAL THERMOMETER, FACTORY ASSEMBLED AND TESTED WITH NECESSARY FITTINGS AND NIPPLES. EXPOSED SURFACES SHALL HAVE BRONZE FINISH.

WATER TEMPERATURES: CONTROL TEMPERATURE FROM:
COLD WATER INLET 40°F. LOW FLOW RATE: 5 GPM @ 2 PSI
HOT WATER INLET 140°F. MAXIMUM FLOW RATE: 100 GPM @ 12 PSI
HOT WATER OUTLET 120°F.

LAWLER MODEL #805.



WALL CLEANOUT: WCO

FIXTURE

CAST BRONZE TAPER THREAD PLUG FOR WALL CLEANOUT WITH STAINLESS STEEL ROUND ACCESS COVER AND VANDAL PROOF RETAINING CENTER SCREW.
J.R. SMITH 4472T-U.

DUCO CAST IRON CLEANOUT TEE AND COUNTERSUNK PLUG.
J.R. SMITH 4512S. (HUB AND SPIGOT CONNECTION)
J.R. SMITH 4512Y. (NO HUB CONNECTION)



WATER HAMMER ARRESTER: WHA-x

FIXTURE

SHOCK ABSORBER WITH STAINLESS STEEL SHELL, HYDRO-PNEUMATIC CUSHION OF ARGON GAS AND PURE GLYCERINE, ELASTOMER, BELLOWS, STAINLESS STEEL ADAPTER AND MALE THREADED PLUG.

J.R. SMITH SERIES 5000.

<u>TYPE NO.</u>	<u>P.D.I. SIZE</u>	<u>FIXTURE UNITS</u>
5005	A	1-11
5010	B	12-32
5020	C	33-60
5030	D	61-113
5040	E	114-154
5050	F	155-300

Springfield Platteview Community Schools Westmont Elementary Remodel

4.6 Electrical Design Narrative

General Requirements

- A. Electrical work and installations shall be in accordance with NFPA-70, "National Electrical Code", NFPA-72 "National Fire Alarm Code", NFPA-101 "Life Safety Code" and all local Codes and regulations. Tel/Data systems infrastructure shall comply with EIA/TIA Standards.

Electrical Power Distribution System

- A. Current expectation is to continue to utilize the existing main switch board. It will be evaluated to ensure proper sizing, but based on current design the overall electrical load for the building should not increase. Distribution will be modified in conjunction with the new mechanical system and remodel. Mechanical system will be modified to address existing conflict with some electrical panel working clearance.
- B. New panels and panel feeders will be provided as needed for remodel. Feeders larger than 100 amps will utilize aluminum conductors, all other branch circuits and feeders will be copper conductors.

Wiring Devices

- A. Receptacles will be provided as required to remodel the classroom areas in quantities as required by code, as required to serve noted appliances, and as directed by the Owner. Color of devices will match existing. Tamper Resistant devices will be provided where required by code.

Lighting

- A. All interior lighting will be demolished and replaced with new fixtures to meet current energy codes. No lighting modifications are planned outside of the building. Illumination levels will be designed to comply with the standards contained in the latest edition of the Illumination Engineering Society (IES).
1. Classrooms: 30 footcandles.
 2. Commons: 30 footcandles.
 3. Library: 30 footcandles.
 4. Gymnasium: Class III facility, 50 footcandles. *If pricing is comparable we will provide 25W T8 lamps*
 5. Offices: 40 footcandles.
- B. Lamping: To meet budget the majority of the light fixtures will be F32T8 fluorescents. All down lights, track lights, and accent lighting will be LED. In general all spaces where the lights are mounted above 12 feet, and not easily accessible, the light fixtures will be LED.
- C. Control: Lighting controls will be installed to comply with ASHRAE standard 90.1.
1. Classrooms will contain multiple toggle switches or wall box dimmers to provide multiple lighting scenes to be coordinated with the owner's needs. Occupancy sensors will be provided as the method of automatic shutoff throughout.
 2. Small offices and storage rooms will be controlled by a switch with a built in occupancy sensor.

Springfield Platteview Community Schools Westmont Elementary Remodel

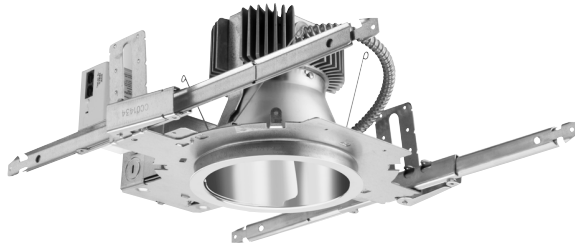
3. The library will be controlled by low voltage switches connected to a relay or dimming panel. Switching scheme will allow for multiple lighting levels via dimming LED fixtures. Relay or dimming panel will provide code required automatic off control.
 4. Photocells will be utilized to dim lighting in spaces with natural daylight as required by code.
 5. Corridors will be controlled with switches located near entrances and connected to a relay panel for automatic off. Night lights will be utilized after normal building hours.
- D. Emergency lighting will be provided throughout to meet current code requirements utilizing batteries installed in fixtures where possible. Emergency wall packs will be utilized as needed.

Special Systems

- A. Fire Alarm: Existing system will be demolished and construction plans will provide for an addressable fire alarm system throughout, for detection of new sprinkler system water flow, and partial detection with photoelectric smoke detectors in normally unoccupied spaces and through exit corridors. The main Fire Alarm Control Panel will be located in an electrical room and remote annunciators will be located so as to minimize installation cost and maximize emergency response personnel and staff notification. Visual and audible emergency notification devices will be placed throughout the building in accordance with NFPA 72 and will be ADA compliant. Design will provide for voice annunciation signaling provided throughout.
- B. Data Communications and Building Network: Current budget is for the system to be maintained with no modifications. Modifications to the system are needed, in addition damage to cabling above the ceiling may be unavoidable with the extent of the renovation. Additional meetings during DD will be needed to define scope. Work may be performed by prime communications who installed and maintained the current system with rough-ins and sleeves provided in contract.
- C. Telephone System: Existing system will be demolished with a complete new system installed with room for future expansion. System will be provided by owner. Cabling as part of Data Communications scope. System will be interfaced with new intercom system.
- D. Intercom: Existing system will be demolished with a complete new system installed with room for future expansion. The System will be composed of both cone and horn type loudspeakers zoned by classroom and by functional general areas. The system will be designed to integrate with the phone system and will include audio control relays, Master synchronized time clock, scheduled tone generator, and music distribution capability. Telephones by owner will be provided as the communications system interface within the classrooms.
- Telephone system still under discussion. Looking into pricing to expand existing system. If system cannot be easily expanded intercom call stations will be installed in each room.

General Electrical Notes:

1. Provide new projector mounts, coordinate with owner.
2. Provide power for interactive displays in each new office.
3. Provide dedicated receptacle in each classroom for ipad charging carts.
4. Coordinate new data room with district along with communications pathways and rough-ins for cabling and equipment provided by the owner.



Gotham Architectural Downlighting
 LED Downlights

**6" Evo®
 Downlight**

Solid-State Lighting



FEATURES

OPTICAL SYSTEM

- Self-flanged semi-specular, matte-diffuse or specular finishing trim
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic
- Polycarbonate lens integral to light engine

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
- Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- Light engine and driver accessible through aperture

ELECTRICAL SYSTEM

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- Tested according to LM-79 and LM-80 standards
- Overload and short circuit protected
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

LISTINGS

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

WARRANTY

- 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

ORDERING INFORMATION

EXAMPLE: EVO 35/10 6AR MWD LSS MVOLT EZ1

Series	Color temperature	Nominal lumen values	Aperture/Trim color	Distribution	Finish	Voltage
EVO	27/ 2700 K	10 1000 lumens 35 3500 lumens	6AR Clear	VND Very narrow (0.5 s/mh)	LSS Semi-specular	MVOLT 120
	30/ 3000 K	15 1500 lumens 40 4000 lumens	6PR Pewter	ND Narrow (0.7 s/mh)	LD Matte-diffuse	277
	35/ 3500 K	20 2000 lumens 45 4500 lumens	6WTR Wheat	MD Medium (0.9 s/mh)		347
	40/ 4000 K	25 2500 lumens	6GR Gold	MWD Medium wide (1.0 s/mh)	LS Specular	
		30 3000 lumens	6WR¹ White	WD Wide (1.2 s/mh)		
		6BR¹ Black				
		6WRAMF¹ White anti-microbial				

Driver ³	Options
EZ1 eldoLED ECOdrive 0-10V dimming driver. Minimum dimming range level 1%	SF⁶ Single fuse
EZB eldoLED SOLOdrive 0-10V dimming driver. Minimum dimming level <1%.	TRW⁷ White painted flange
EDAB eldoLED SOLOdrive DALI dimming driver. Minimum dimming level <1%.	TRBL⁸ Black painted flange
EDXB eldoLED POWERdrive DMX with RDM (remote device management). Minimum dimming level <1%. Includes termination resistor.	EL⁹ Emergency battery pack with integral test switch
EXA1 XPoint Wireless, eldoLED ECOdrive 1% dimming, 0-10V. Refer to XPoint tech sheet.	ELR⁹ Emergency battery pack with remote test switch
EXAB XPoint Wireless, eldoLED SOLOdrive <1% dimming, 0-10V. Refer to XPoint tech sheet.	NPS80EZ nLight® dimming pack controls 0-10V eldoLED drivers.
ECOS2^{4,5} Lutron® Hi-Lume® 2-wire forward-phase dimming driver. Minimum dimming level 1%	NPS80EZER¹⁰ nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
ECOS3⁴ Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%	WRS¹¹ FIDO wireless monitoring and reporting system
	BGTD⁶ Bodine generator transfer device
	CRI90 High CRI (90+)
	CP⁶ Chicago plenum
	RRL RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature.

mere.LED™ submittal

modular construction

Molex solder-less holder allows for LED module replacement in the field. modular fixture design allows driver to be replaced in the field.

efficiency

center beam power greater than compact fluorescent with up to 60% less energy consumption. constant current driver operates LED consistently, regulating the current flow through it to produce the most consistent light output and efficiency. constant current driver protects LEDs from voltage fluctuations in the building power system, eliminating stress from over voltage, inrush surges, and flicker from voltage fluctuations, assuring long service life.

electrical requirements

30LO, 35LO and 40LO - 27W / 0.23A @ 120 VAC (.10A @ 277 VAC)
 30HI, 35HI and 40HI - 35W / 0.29A @ 120 VAC (.13A @ 277 VAC)

LED module

Bridgelux array in 3000K, 3500K, or 4000K (80 cri). under normal operating conditions, the LEDs employed are rated for >36,000hrs L70 (6.8K) per IES TM-21 from LM-80 test data, and 71,000hrs L70 projected life. contact factory for 90CRI options. white power cord is standard with other color options listed below.

driver

Meanwell LPF series, class 2 power unit, built-in active PFC function, universal input (up to 305 vac), 10% minimum dimming level, PF >92, THD <20% at full load, >418khrs MTBF, protections include short circuit, over current, over voltage and over temperature.

driver housing

extruded aluminum with matte anodized (silver) or black anodized finish, acts as heat sink as well.

diffuser

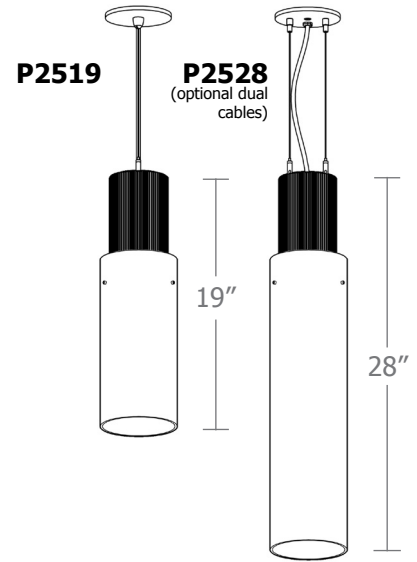
6" dia. .100" virgin matte white acrylic cylinder.

mounting

5"dia. spun steel canopy in satin white with single or optional dual 12ft stainless steel cables and field adjustable grippers that allow for exact AFF mounting heights.

emergency

emergency not available. if required, recommend use of inverter (by other).



catalog number

--	--	--	--

size

P2519.LED 6"dia X 19"ht

P2528.LED 6"dia X 28"ht

LED array

30LO 3000K 1635 lumens*

30HI 3000K 2603 lumens*

35LO 3500K 1787 lumens*

35HI 3500K 2845 lumens*

40LO 4000K 1901 lumens
(ies file #17553)

40HI 4000K 3027 lumens
(ies file #17558)

*derived from actual test
 #17558 for HI
 #17553 for LO

extrusion finish

AN matte anodized
(silver)

ANB anodized black

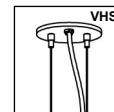
options

DM110 1-10v dimming

BKPC Black power cord and canopy

SBPC Silver braid power cord and white canopy

VHS 2-point vertical hanging system



DRY / DAMP

made in the
usa!

impact!
ARCHITECTURAL
LIGHTING

www.impactlgt.com / 314-427-1212 / saint louis, mo



FEATURES & SPECIFICATIONS

INTENDED USE

Specification premium, high performance, static T8 luminaires provide general illumination for recessed applications; ideal for restricted plenum spaces.

ATTRIBUTES

Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION

Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder-painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

US PATENTS: 6,210,025; 6,231,213; 6,213,625; 2,288,471.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with highly reflective matte white enamel.

OPTICAL

A12 lens features reverse apex technology for superior lamp obscuration and improved visual comfort.

ELECTRICAL SYSTEM

Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING

Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

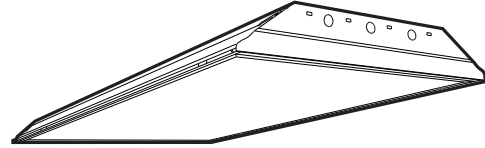
Specifications subject to change without notice.

Catalog Number	
Notes	Type

RF2

Specification Premium T8 Troffer

SP8 2'x4'



2, 3, 4 or 6 Lamps
T8



Specifications

Length: 48 (1218)
Width: 24 (609)
Depth: 3-11/16 (94)
Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2SP8 G 3 32 A12 MVOLT 1/3 GEB10IS

2SP8							
Series	Number of lamps	Door frame		Voltage	Options ¹		
2SP8 2' wide	2 3 4 6 Not included.	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white		120 277 347 MVOLT Others available.	1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, ≤10% THD, instant start GEB10RS Electronic ballast, ≤10% THD, rapid start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse GMF Internal slow-blow fuse LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit PWS1846 6' prewire, 3/8" dia., 18-gauge, 2 circuits LP735 Lamped, 700-series, 3500K LP__ Lamped; specify lamp type and color JP Palletized and stretch-wrapped without individual cartons CSA CSA Certified NOM NOM Certified		
Trim type	Lamp type	Diffuser type					
G Grid F Overlapping flanged	32 32W T8 (48")	A12 #12 pattern acrylic, reverse apex A12125 #12 pattern acrylic, .125" thick RA125 #12 pattern acrylic, .125" thick, reverse apex A19 #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver					

NOTE:

¹ MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.

FEATURES & SPECIFICATIONS

INTENDED USE

Specification premium, high performance, static T8 luminaires provide general illumination for recessed applications; ideal for restricted plenum spaces.

ATTRIBUTES

Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION

Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder-painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

US PATENTS: 6,210,025; 6,231,213; 6,213,625; 2,288,471.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with highly reflective matte white enamel.

OPTICAL

A12 lens features reverse apex technology for superior lamp obscuration and improved visual comfort.

ELECTRICAL SYSTEM

Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING

Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

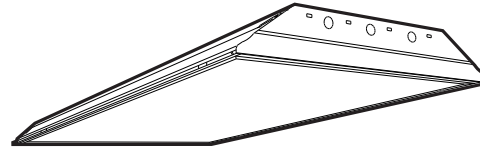
Specifications subject to change without notice.

Catalog Number	
Notes	Type

RF3

Specification Premium T8 Troffer

SP8 2'x4'



2, 3, 4 or 6 Lamps
T8



Specifications

Length: 48 (1218)
Width: 24 (609)
Depth: 3-11/16 (94)
Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2SP8 G 3 32 A12 MVOLT 1/3 GEB10IS

2SP8							
Series	Number of lamps	Door frame		Voltage	Options ¹		
2SP8 2' wide	2 3 4 6 Not included.	(blank) Flush steel, white		120	1/4 One 4-lamp ballast		
		FN Flush aluminum, natural		277	1/3 One 3-lamp ballast		
		FM Flush aluminum, matte black		347	GEB10IS Electronic ballast, ≤10% THD, instant start		
		FW Flush aluminum, white		MVOLT	GEB10RS Electronic ballast, ≤10% THD, rapid start		
		RN Regressed aluminum, natural		Others available.	EL Emergency battery pack (nominal 300 lumens)		
		RM Regressed aluminum, matte black			EL14 Emergency battery pack (nominal 1400 lumens)		
		RW Regressed aluminum, white			GLR Internal fast-blow fuse		
Trim type	Lamp type	Diffuser type			GMF Internal slow-blow fuse		
G Grid	32 32W T8 (48")	A12 #12 pattern acrylic, reverse apex			LST Tandem-wired fixture pairs (shared ballasts)		
F Overlapping flanged		A12125 #12 pattern acrylic, .125" thick			PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit		
		RA125 #12 pattern acrylic, .125" thick, reverse apex			PWS1846 6' prewire, 3/8" dia., 18-gauge, 2 circuits		
		A19 #19 pattern acrylic, .156" thick			LP735 Lamped, 700-series, 3500K		
		A15 #15 pattern acrylic, .2" thick			LP__ Lamped; specify lamp type and color		
		PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver			JP Palletized and stretch-wrapped without individual cartons		
		PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange			CSA CSA Certified		
		PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver			NOM NOM Certified		

NOTE:

¹ MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.

FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for use in (ISO 7 (Class 10,000) and ISO 8 (Class 100,000) cleanroom applications. Ideal for medical and cleanroom changing areas and surgical suites. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Available for T-Bar ceilings of 1", 1-1/2" width, or with overlapping flange and swing-out hangers for use in dry or plaster ceilings. For ceiling systems 1-1/2" wide up to 2" in height, you must specify G10. For ceiling systems 2" wide and up to 2" in height, you must specify G20. For all non-standard ceiling systems consult factory for compatibility. Verify fixture/ceiling compatibility with factory.

Code gauge steel housing is completely sealed with silicone caulk to prevent passage of particles into or out of fixture. Extruded aluminum, mitered corner doorframe features neoprene gasketing between door and housing. Door frame is hinged and cam latched from either side for easy maintenance. Latches are sealed with die-cut gasketing and injection-molded cap.

Lenses available to meet a variety of needs. Lenses feature internal prisms to maintain a smooth, easy-to-clean outer surface.

Suitable for low-pressure hosedown (LPD) up to 100 psi (see Options).

Finish: All metal parts are finished with electrostatically deposited, thermally set, polyester powder coat after fabrication. Antimicrobial paint finish available. See options listed below.

ELECTRICAL — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Energy saving and electronic ballasts are sound rated A. Standard combinations conform to UL 935. Tested in compliance with Federal Standard 209E by independent lab.

LISTINGS — UL listed (standard). CSA certified or NOM Certified (see Options). UL listed and labeled for wet locations in covered ceiling applications. Tested in compliance with the International organization for Standardization (ISO) Worldwide Contamination Classification. IP65 rated. UL listed for 25 C° ambient temperatures.

WARRANTY — Guaranteed for one year against mechanical defects in manufacture.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

RF6



Recessed Cleanroom Troffer

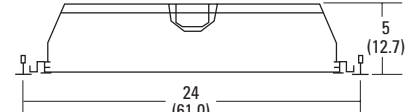
SRT



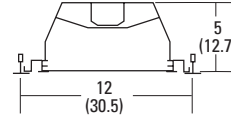
2' x 4'
1' x 4'
1, 2, 3, 4 or 6 Lamps

Specifications

	2x4	1x4
Length:	48 (121.9)	48 (121.9)
Width:	24 (61.0)	12 (30.5)
Depth:	5 (12.7)	5 (12.7)



All dimensions are shown in inches (centimeters) unless otherwise specified.



ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2SRT G 4 32 FW A12125V MVOLT GEB10IS

Series	Trim	Number of lamps ¹	Lamp type	Door	Lens	Voltage
2SRT Cleanroom troffer 2x4	G Grid, 1-1/2" wide tee	1	28T5 28W T5 (46") ²	FW Aluminum inset, white	A12125V #12 pattern acrylic .125" thick, inverted	120
		2	32 32W T8 (48")		A12130V #12 pattern acrylic .156" thick, inverted	277
SRT Cleanroom troffer 1x4 For CF lamps in tandem, add prefix T. Example: T2SRT 2 CF40 (total 4 lamps)	G10 Grid, 1-1/2" wide x2" tall G20 Grid, 2" wide tee (2x4 only) ³ F Overlapping flange	3	5415H0 54W 15H0 (48") ²	FN Aluminum inset, natural	PCL12125V #12 pattern polycarbonate .125" thick, inverted	347
		4			SYA PSI symmetric/asymmetric acrylic	MVOLT⁴
		6			SYAR PSI symmetric/asymmetric acrylic with radio filter grid ⁵	
		Not included			T73V #73 pattern, tempered glass .190" thick, inverted	
					ARF12 #12 pattern with 3/8" radio frequency shielding grid .126" thick ⁵	
Ballast		Options				
GEB10IS Electronic ballast(s) ≤10% THD, instant start	Shipped installed in fixture		CRE Flanged trim for continuous-row mounting (end)			
GEB10PS Electronic ballast(s) ≤10% THD, program rapid start	ELDW Internal fast-blow fuse ⁶	CRM Flanged trim for continuous-row mounting (middle)				
	GLR Internal fast-blow fuse ⁶	LATC Tee-bar clips, screw-down				
	GMF Internal slow-blow fuse ⁶	LPD Suitable for low-pressure hosedown, up to 100 psi ⁸				
	RIF1 Radio interference filter (one per fixture) ⁷	CSA CSA Certified				
	LG Lens and frame gasketing, neoprene	NOM NOM Certified				
	ABC Triple gasketing, neoprene	BDP In-fixture ballast disconnect plug				
	DWAM Antimicrobial white powder paint	FPA Suitable for food-processing areas; meets USDA and FDA requirements ¹⁰				

Notes

- For use with any non-standard or Armstrong grid. Consult factory for availability and compatibility.
- Maximum number of lamps is four.
- Lens gasketing not available for this lens type.
- Electronic ballast 120-277V only. Must specify GEB10IS.
- Specify voltage. 120 or 277 only.
- Not available with MVOLT.
- For one filter per ballast, specify RIF2.
- Requires minimum .125" thick lens.
- Ground clip assembly has 6" - 8" wire lead with ring terminal. Installer to attach ring terminal to housing. Installer is responsible for ground clip attachment and appearance after installation.
- Must specify LPD and additional gasketing (i.e. LG)

FEATURES & SPECIFICATIONS

INTENDED USE — The 2GTL LED recessed troffer offers a wide range of lumen packages, color temperatures, and lens options to meet the lighting needs for a wide range of applications such as schools, offices, and hospitals. The light engine delivers long life and excellent color to ensure a sound quality, low-maintenance lighting installation. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Housing formed from 22 gauge cold-rolled steel. Smooth hemmed sides and smooth inward formed end flanges for safe handling. Lighter-weight fixture allows for safe, easy installation.

OPTICS — Highly transmissive pattern #12 lens diffuses the light source without compromising output. Pattern #19 and satin white lens options also available.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional nLight® embedded controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices and the GTL luminaires using standard Cat-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission.

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

The step-level dimming option (SLD) allows the system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

Ballast disconnect is provided where required to comply with U.S. and Canadian codes.

INSTALLATION — LED boards include plug-in connectors for easy of upgradeability. Suitable for direct insulation contact. Suitable for damp location.

LISTINGS — CSA certified to meet U.S. and Canadian standards. IC rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Catalog Number
Notes
Type RL1

GTL Series

2GTL

2' x 2'

LED Recessed Troffer

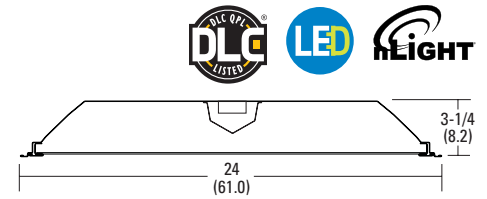


Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-1/4 (8.2)



All dimensions are inches (centimeters) unless otherwise indicated.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2GTL 2 33L EZ1 LP835

2GTL	Series	Length	Trim type	Lumens ¹	Door	Lens	Voltage	Driver	Color temperature
	2GTL 2' wide recessed LED luminaire	2 2'	(blank) Grid F Overlapping flange	20L 2000 lumens 33L 3300 lumens 40L 4000 lumens	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white	(blank) #12 pattern acrylic, 0.125" thick A19 #19 pattern acrylic, 0.156" thick SWL Satin white	(blank) MVOLT (120-277V) 120 120V 277 277V 347 347V ²	EZ1 eldoLED dims to 1% SLD Step-level dimming ³ EXA1 eldoLED dims to 1%, XPoint wireless enabled	LP830 3000 K LP835 3500 K LP840 4000 K LP850 5000 K

Controls ⁴	Options
(blank) No controls	EL7L 700 lumen emergency battery ⁵
N80 nLight with 80% (L80) lumen management	EL14L 1400 lumen emergency battery ⁵
N80EMG nLight with 80% (L80) lumen management for use with generator supply emergency power	CP Chicago plenum
N100 nLight without lumen management	PWS1836 6' pre-wire, 3/8" diameter, 18-gauge, 1-circuit
N100EMG nLight without lumen management for use with generator supply emergency power	PWS1846 6' pre-wire, 3/8" diameter, 18-gauge, 2-circuit
	ABC Door frame gasketing ⁶
	GLR Slow-blowing fuse ⁷
	GMF Fast-blowing fuse ⁷
	LATC Earthquake clip
	NPLT Narrow pallet
	PAF Paint after fab

Accessories: Order as separate catalog number.

DGA22 Drywall grid adapter for 2x2 recessed fixture.

Notes

- 1 Approximate lumen output. Lumen output will vary depending upon lens option chosen.
- 2 Not available with EL7L, EL14L, or SLD.
- 3 Not available with EL7L or EL14L.
- 4 Not available with SLD.
- 5 When using pre-wire option, use PWS1846.
- 6 Only available with aluminum door.
- 7 Must specify voltage, 120 or 277.

Springfield Platteview Community Schools Westmont Elementary Remodel

5.0 SUSTAINABILITY

- A. Energy Efficient
- B. Allow building to be added on to in the future
- C. Good environment for the students to learn and the staff to work

6.0 COST ESTIMATE

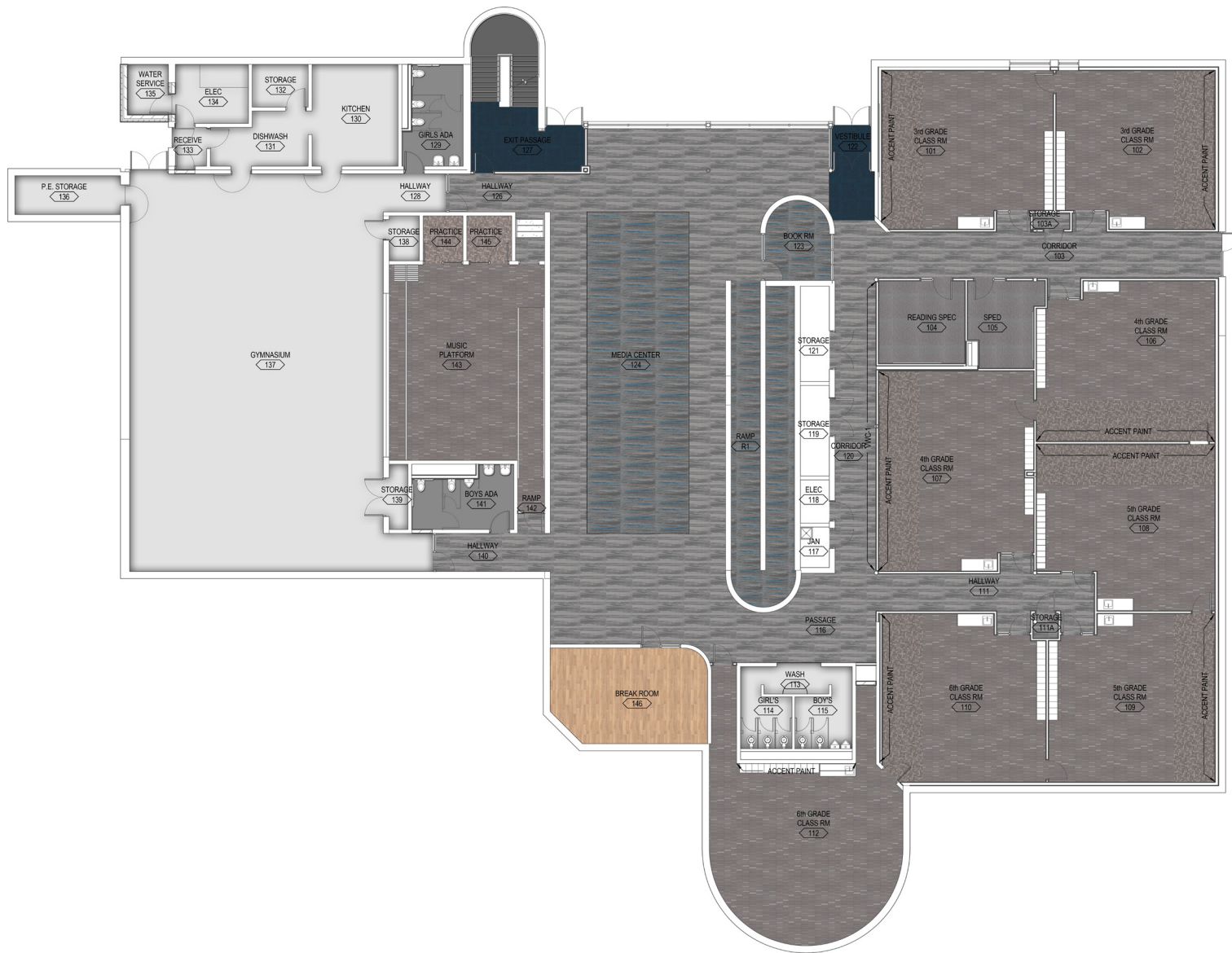
A. Estimate TBD

WESTMONT ELEMENTARY_INTERIORS PACKAGE



Architecture Engineering Planning Interiors

06 JANUARY 2016



NO WORK

PORCELAIN
TILE

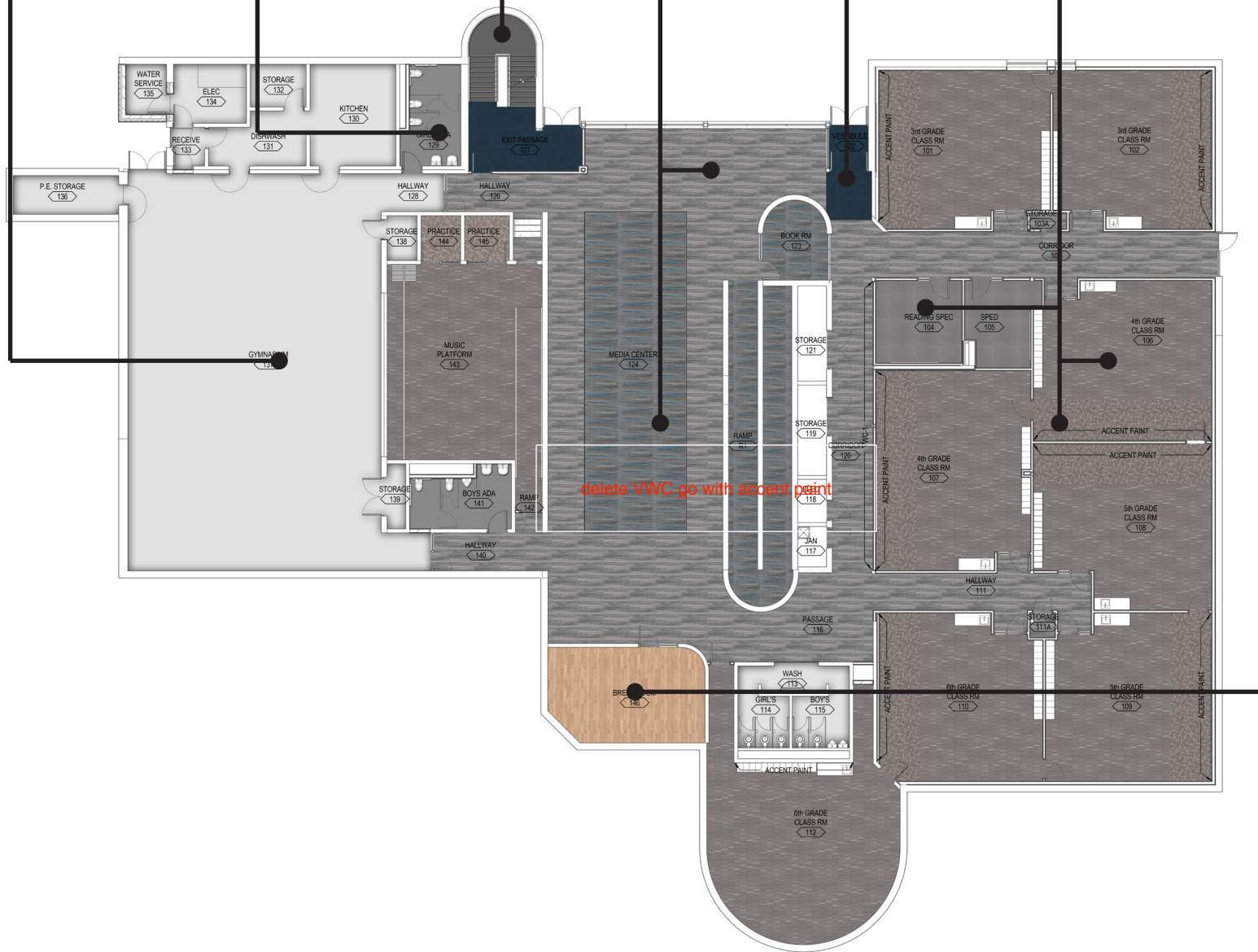
RUBBER
TILE/TREAD

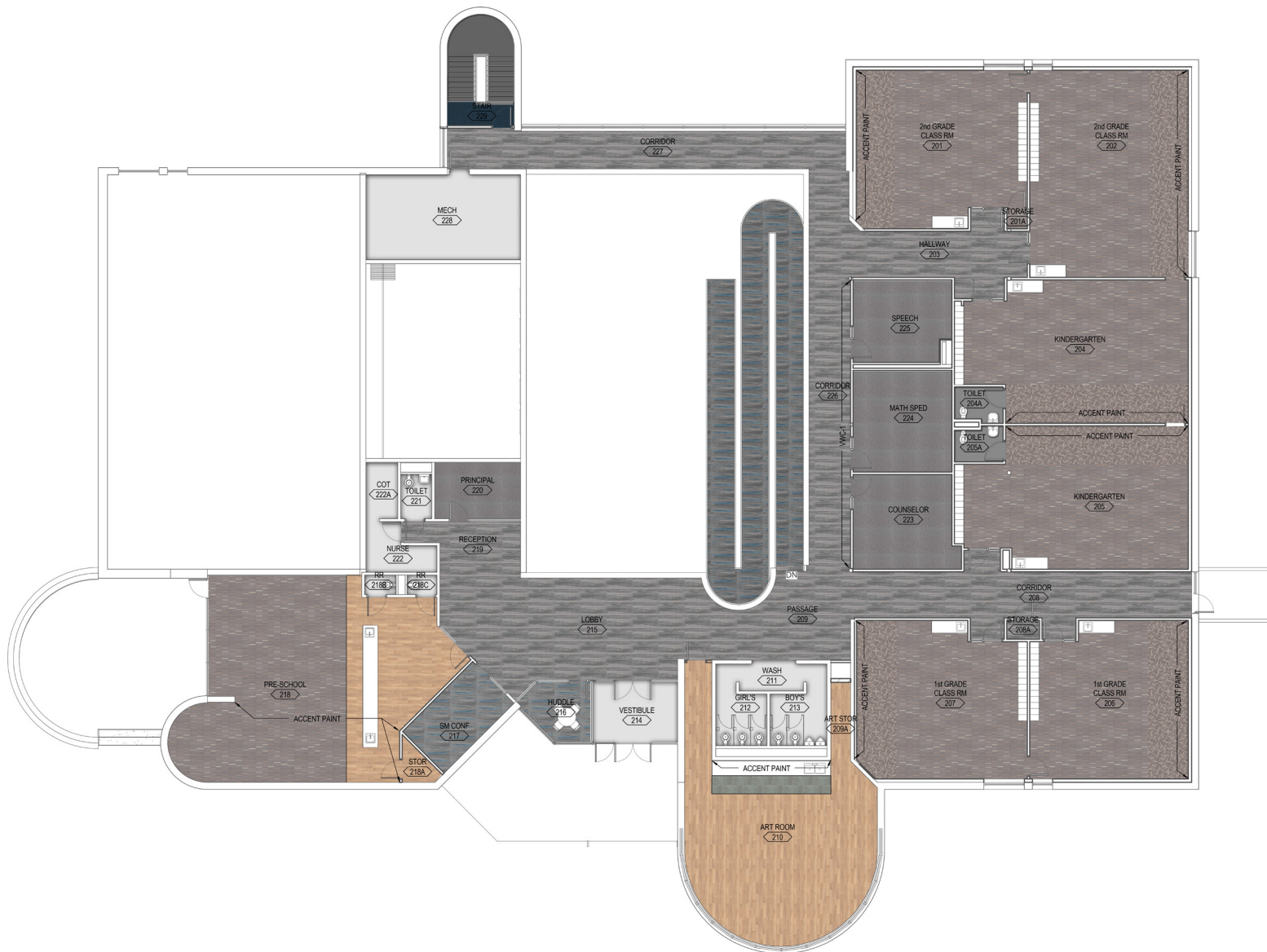
CARPET TILE

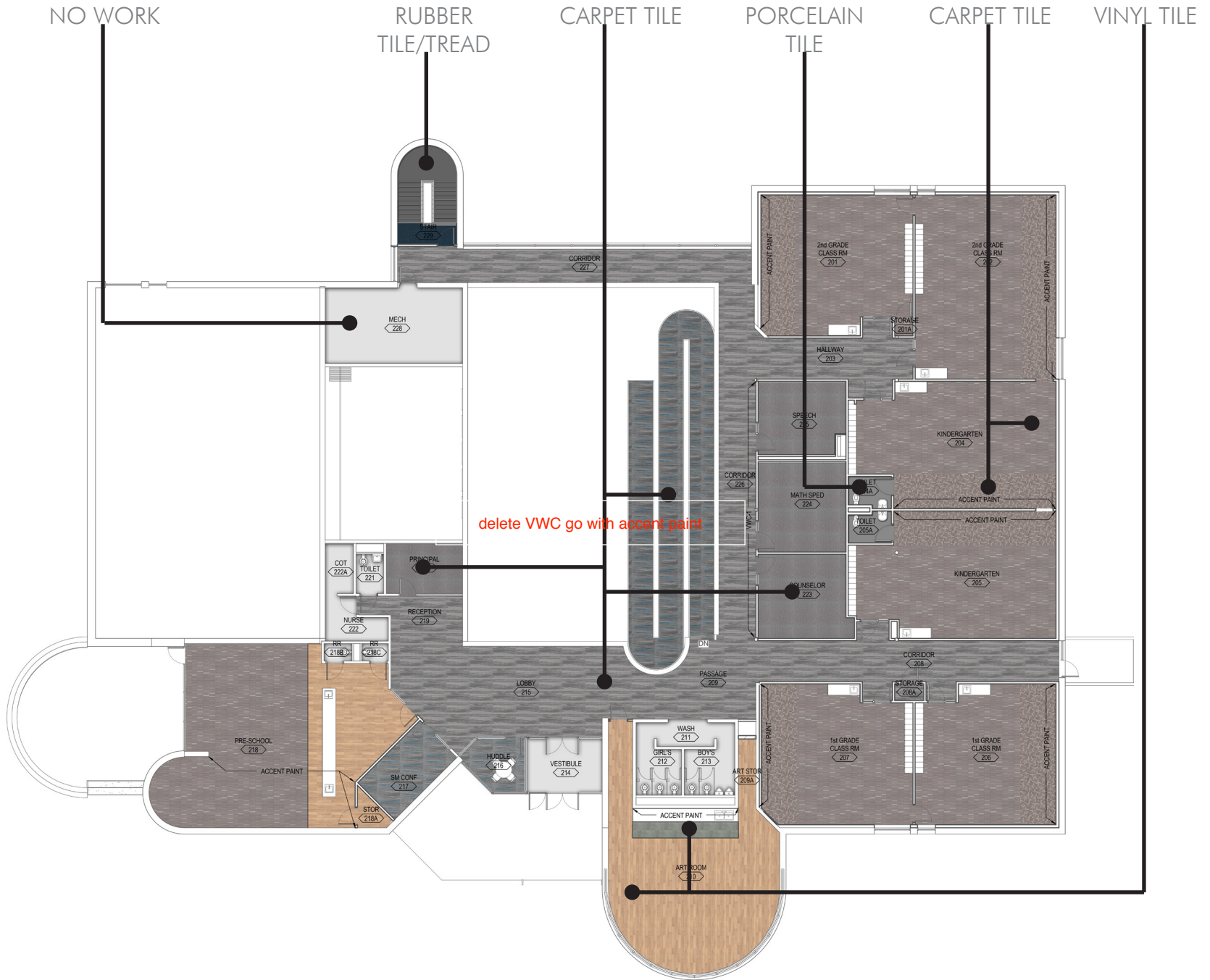
WALK OFF
CARPET TILE

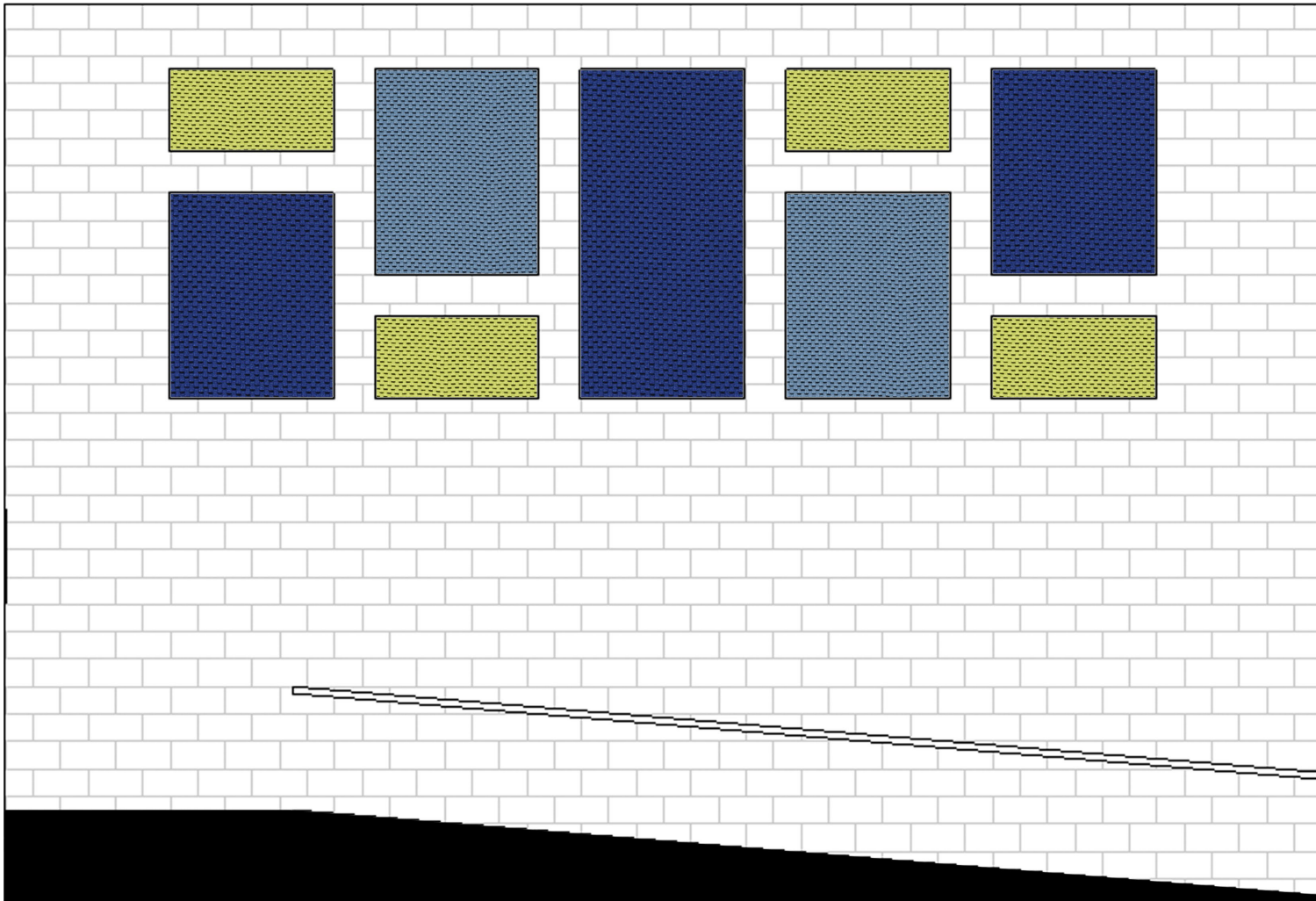
CARPET TILE

VINYL TILE





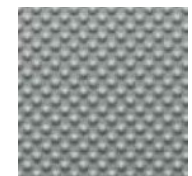
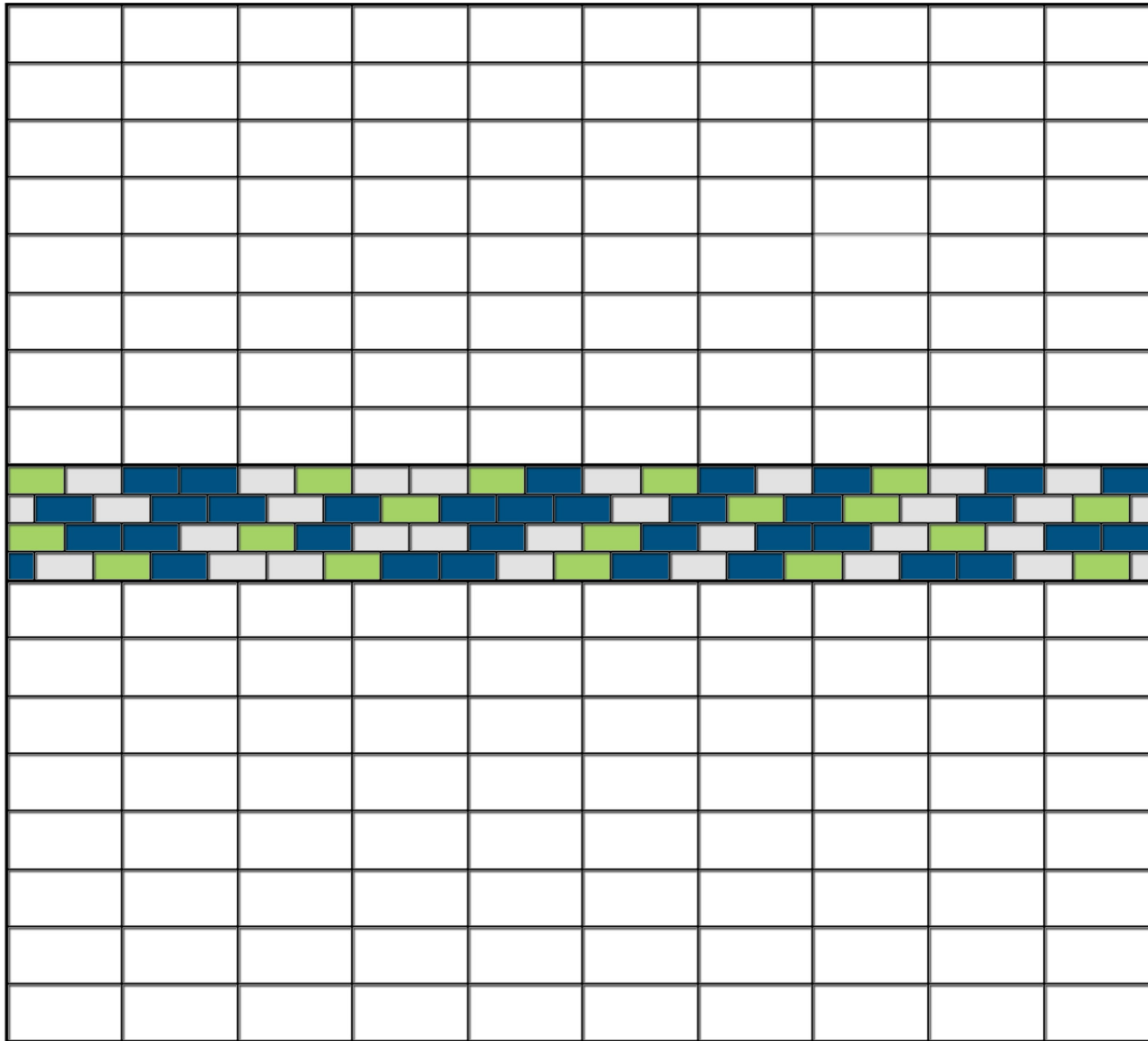




WESTMONT ELEMENTARY | ACOUSTIC PANEL ELEVATION

06 JANUARY 2016

PAGE 6



TOILET
PARTITION

SPRINGFIELD PLATTEVIEW PUBLIC SCHOOLS

Proposed Project Budget - FY 2016

Westmont Elementary School - HVAC System Replacement & Associated Renovation

Renovation / Remodeling Cost	33,200 SF	\$	89.78	\$	2,980,672
Addition Construction Cost	0 SF			\$	-
Site work				\$	30,130
Architect / Engineering Fees				\$	319,858
Renovation	9.0%	\$	289,750		
Additions	9.0%	\$	-		
Reimbursable Expenses	1.0%	\$	30,108		
Miscellaneous Expenses				\$	34,313
Survey, Soil & Construction Testing, TAB	1.0%	\$	29,511		
Builders Risk Insurance - Renovation	\$ 0.0016	\$	4,769		
Builders Risk Insurance - Additions	\$ 0.0011	\$	33		
Construction Management Fees				\$	-
Basic Services	0.0%	\$	-		
Fixtures, Furnishings & Equipment	0 SF	\$	-	\$	-
PROJECT EXPENDITURE SUBTOTAL (excluding contingency)				\$	3,364,974
Design & Construction Contingency	7.00%			\$	208,647
PROJECT BUDGET FY2016 (including contingency)				\$	3,573,621
Project Escalation Factor	1.26%			\$	45,028
TOTAL PROJECT ESCALATED BUDGET				\$	3,618,648
Fiscal Consultant Fees + Capitalized interest + Issuance				\$	-
Basic Services Fee	\$0.00 / \$1000	\$	-		
TOTAL ESTIMATED PROJECT BUDGET				\$	3,618,648