



August 5, 2015

Mr. Al Martin, Urban Design Commission  
Department of Planning & Community Development  
City of Madison  
215 Martin Luther King Jr. Blvd.  
Madison, WI 53701

Re: Letter of Intent  
Hamilton Middle/ Van Hise Elementary School  
4747 Waukesha Street, Madison, WI  
PRA Project No. 140248-03

Dear Mr. Martin:

The following re-submittal is our request for an Initial/Final Approval presentation to the Urban Design Commission on August 12<sup>th</sup>, 2015.

On July 29<sup>th</sup> as representative of the Madison Metropolitan School District I presented the referenced project to the Commission, and addressed comments and feedback for which the Commission voted for Referral of the project.

As a result we are addressing the following items:

- Roof of new addition, lowered to match existing building roof height
- Square the entrance and extend canopy of entrances
- Revise architecture to make the forms "simple" as represented within the existing building, and to accommodate elements of previous gymnasium addition
- Redesign the elevation of the new addition to accommodate natural light within the space

The attached materials represent the refinements we have made to accommodate the comments of the Commission.

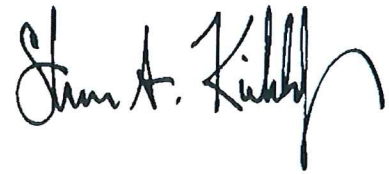
Please contact me with any questions or for additional information that you request.

209 south water street milwaukee, wisconsin 53204 414 359 3060  
2310 crossroads drive suite 2000 madison, wisconsin 53718 608 240 9900  
1613 fruitville road suite 3 sarasota, florida 34236 941 348 3618

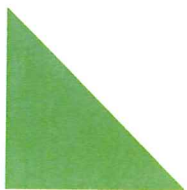
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Partners: Michael P. Brush, Martin P. Choren, Gregg R. Golden, Mark C. Herr, John J. Holz, Nicholas D. Kent,  
Steven A. Kieckhafer, Scott A. Kramer, David J. Raysich, Michael H. Scherbel, Michael J. Sobczak

Best regards,



Steven A. Kieckhafer, AIA  
Architect



July 22, 2015

Mr. Al Martin, Urban Design Commission  
Department of Planning & Community Development  
City of Madison  
215 Martin Luther King Jr. Blvd.  
Madison, WI 53701

Re: Letter of Intent  
Hamilton Middle/ Van Hise Elementary School  
4747 Waukesha Street, Madison, WI  
PRA Project No. 140248-03

Dear Mr. Martin:

The following submittal is our request for an Initial/Final Approval presentation to the Urban Design Commission on July 29<sup>th</sup>, 2015.

Organizational Structure:

|             |   |            |  |
|-------------|---|------------|--|
| Owner:      | Madison Metropolitan School District<br>545 W Dayton Street<br>Madison, WI 53703<br>Contact: Rick Hopke<br>rhopke@madison.k12.wi.us | Architect: | Plunkett Raysich Architects, LLP<br>2310 Crossroads Dr., Ste. 2000<br>Madison, WI 53718<br>Contact: Steve Kieckhafer<br>SKieckhafer@prarch.com |
| Site/Civil: | Wyser Engineering<br>201 ½ E Main Street<br>Mt. Horeb, WI 53572<br>Contact: Wade Wise<br>wade.wyse@wyserengineering.com             | Landscape: | Ziegler Design<br>4797 Capital View Dr<br>Middleton, WI 53562<br>Contact: Steve Ziegler<br>steve@zdainc.com                                    |
| Lighting:   | KJWW Engineering<br>802 West Broadway<br>Madison, WI 53713<br>Contact: Scott Hole<br>holess@kjww.com                                |            |  |

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Introduction:

The Madison Metropolitan School District developed a plan to present to the tax payers of the Madison Metropolitan School District that would update existing school facilities with the following categories; accommodate student capacity, handicap accessibility within buildings and safe/secure environment. The plan that was developed affects additions/renovations and infrastructure upgrades to 16 school buildings for a total of \$39 Million dollars. That plan, accepted by the School Board to take to referendum, went to vote on April 7, 2015, and was successful with 82% of approval.

Project Description:

The proposed addition is for a new library space that will combine both Elementary and Middle School libraries in to one location, which currently the library spaces are independent from each other. Current library spaces will be converted to classroom spaces, which will accommodate the overcrowding of existing classroom space and address the student capacity. Adding the classroom space will not increase the capacity of the building, but will alleviate the existing overcrowded classroom spaces. The current main entrance to the Administrative office space for the Van Hise Elementary School is located from the north, Waukesha Street, and has been in a poor location for students and parents to enter the building. Interior renovation will relocate the Administrative office to the opposite side of the corridor that will allow for a more desirable entrance and allow for security of visitors to the building.

Building Elements

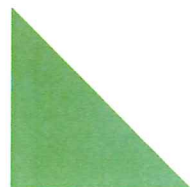
An addition to the building will be constructed on the west side with exterior face brick and metal panels. The architecture will be complementary to the existing building by incorporating similar design elements and materials that are part of the existing building. Windows and entrances will be aluminum that will match existing finishes.

Site Development Statistics

Lot Area                      ~22.10 acres

|                                       |                   |
|---------------------------------------|-------------------|
| Current building Gross Floor Area     | 164,645 s.f.      |
| Proposed addition of Gross Floor Area | <u>9,987 s.f.</u> |
| New total Gross Floor Area            | 174,632s.f.       |

Vehicle Parking





On-site surface Parking                      92 spaces              4 accessible

Bike Parking

Bike Storage available to students,              ~49 spaces

Moped Parking

Moped parking not provided

Project Schedule:

This project is anticipated to start construction in September, 2015 with completion scheduled for early 2016.

City Planning, Urban Design (UDC), Alderperson and Neighborhoods:

The following is a list of dates of which meetings were held to discuss the proposed project

February 23, 2015- City Zoning to provide notification of District progressing to referendum

April 14-June 7, 2015- Community/Parents to review project

June 9, 2015- City Zoning and UDC

June 25, 2015- DAT to present project

July 22, 2015 - Alder and Neighborhood notification

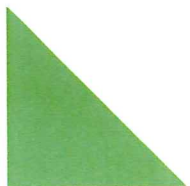
July 29, 2015 - UDC, Initial/Final Approval

Estimated Project Costs:

The project costs are estimated to be \$3,150,000

Public Subsidy:

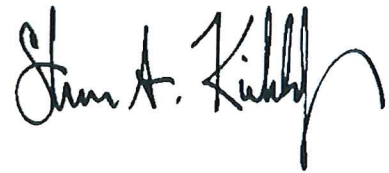
This project will be funded totally with public bonds issued to the District through the approval of the successful referendum vote.



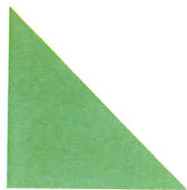
Please contact us with any questions or for additional information that you request.

Thank you for your time in reviewing our proposal.

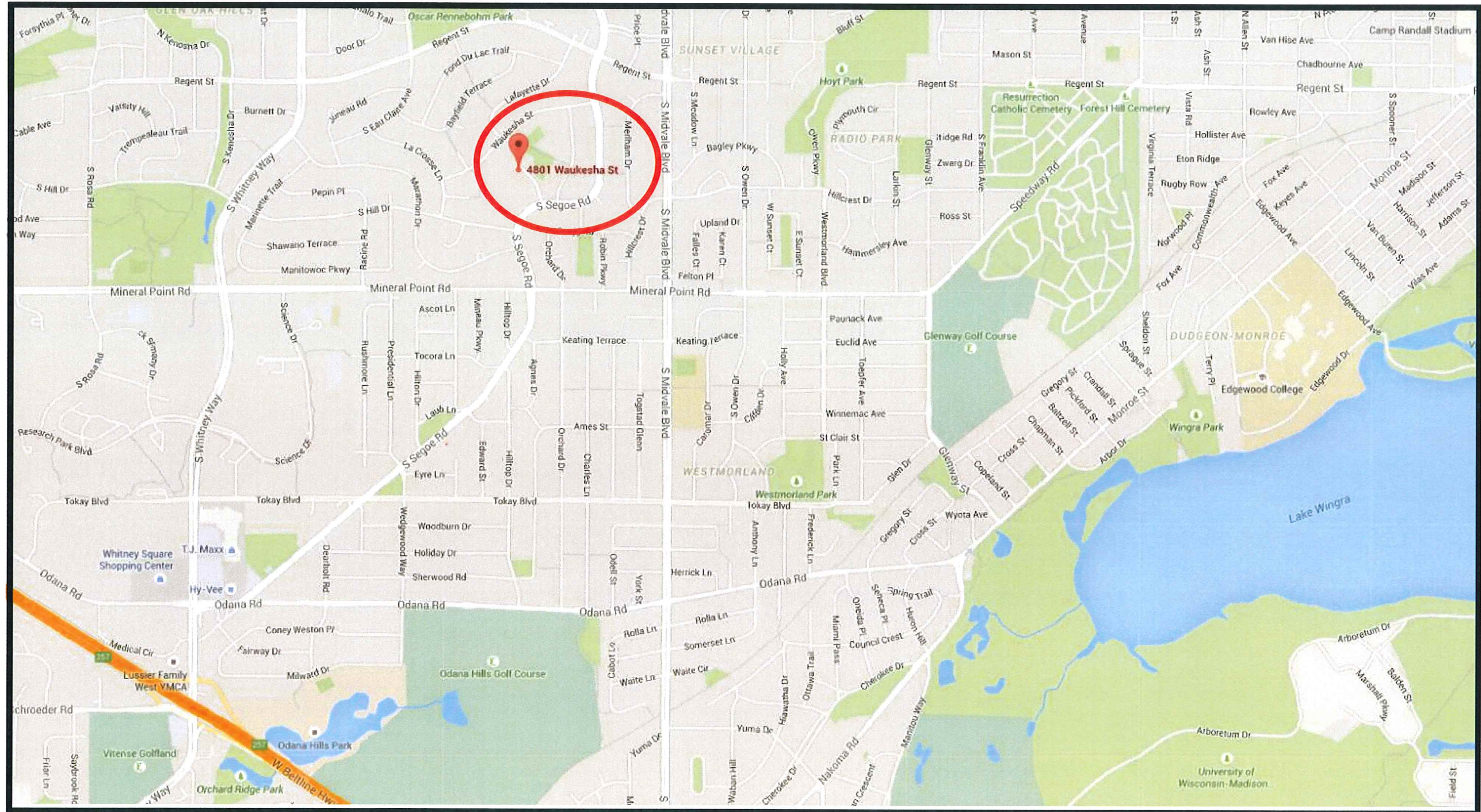
Best regards,



Steven A. Kieckhafer, AIA  
Architect





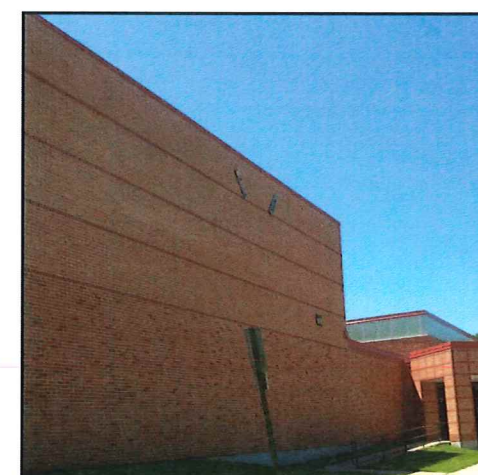


Location Map

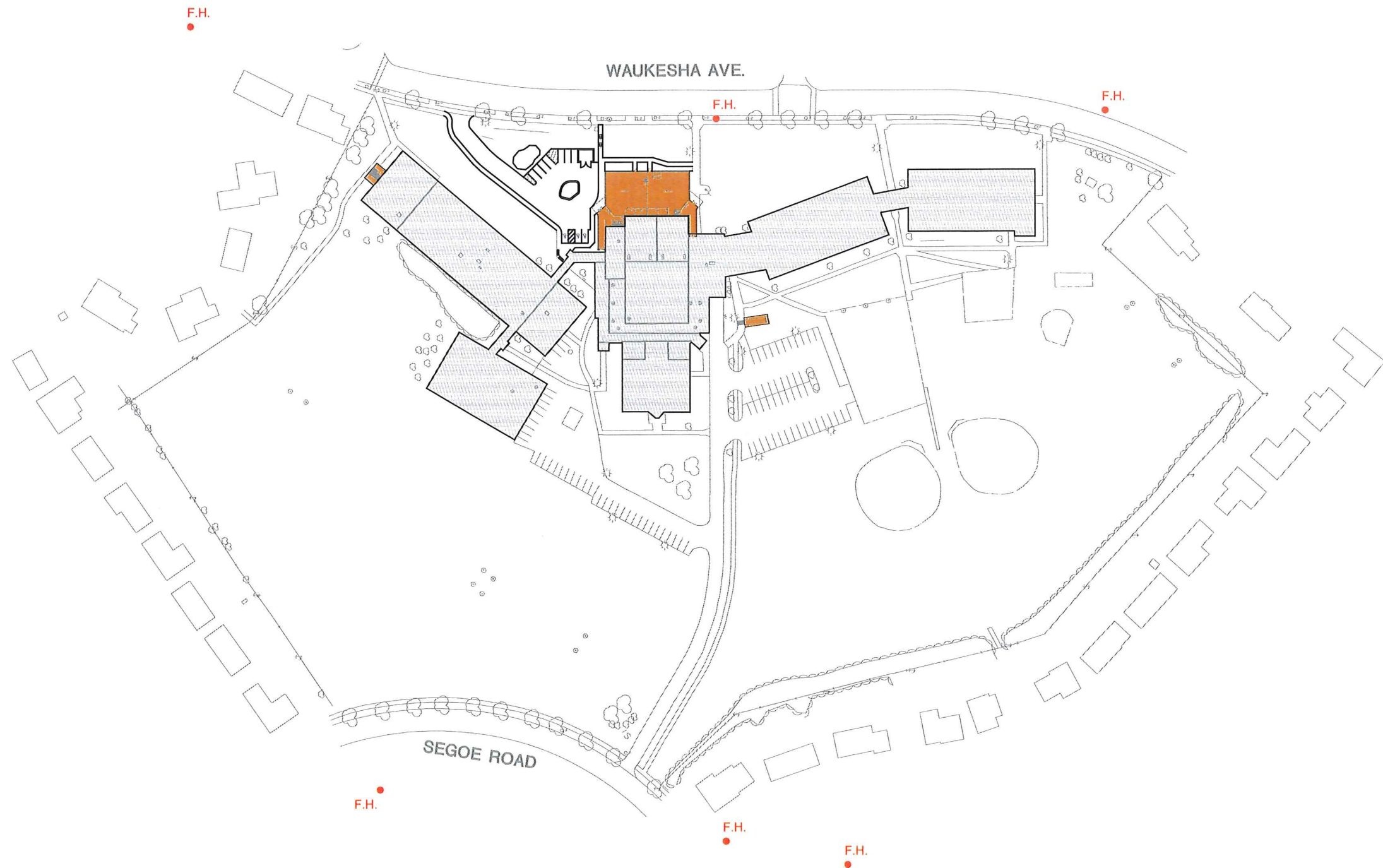




## Hamilton Middle & Van Hise Elementary Schools



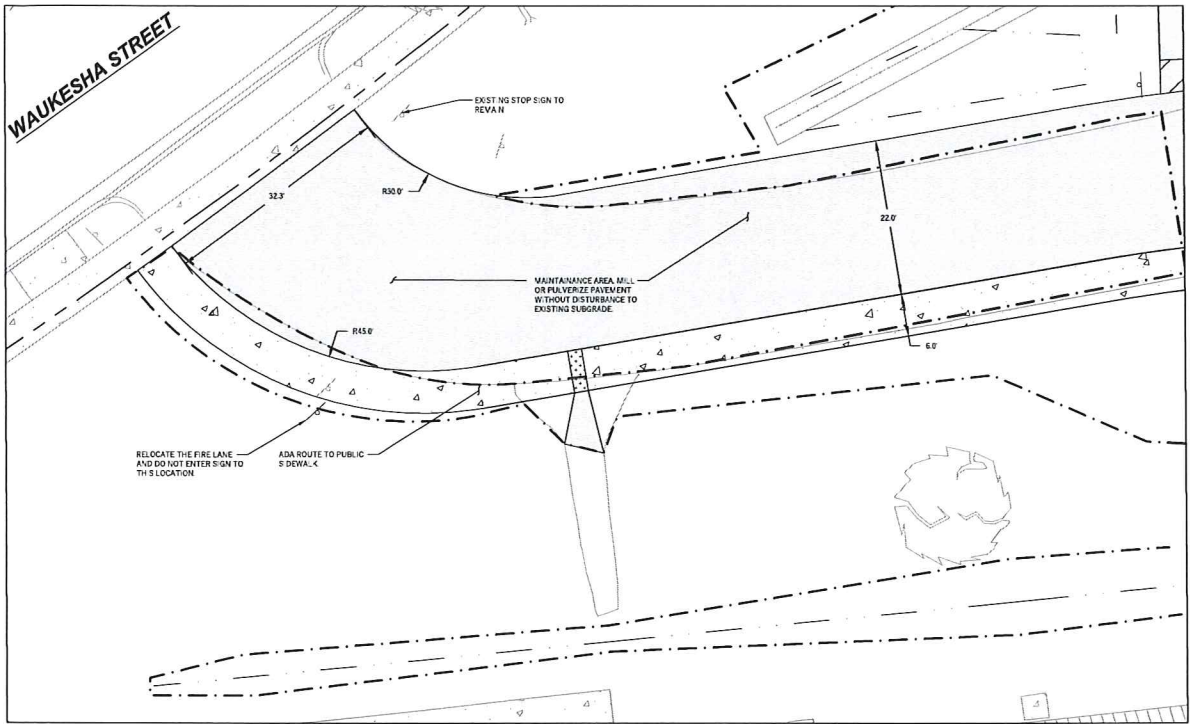




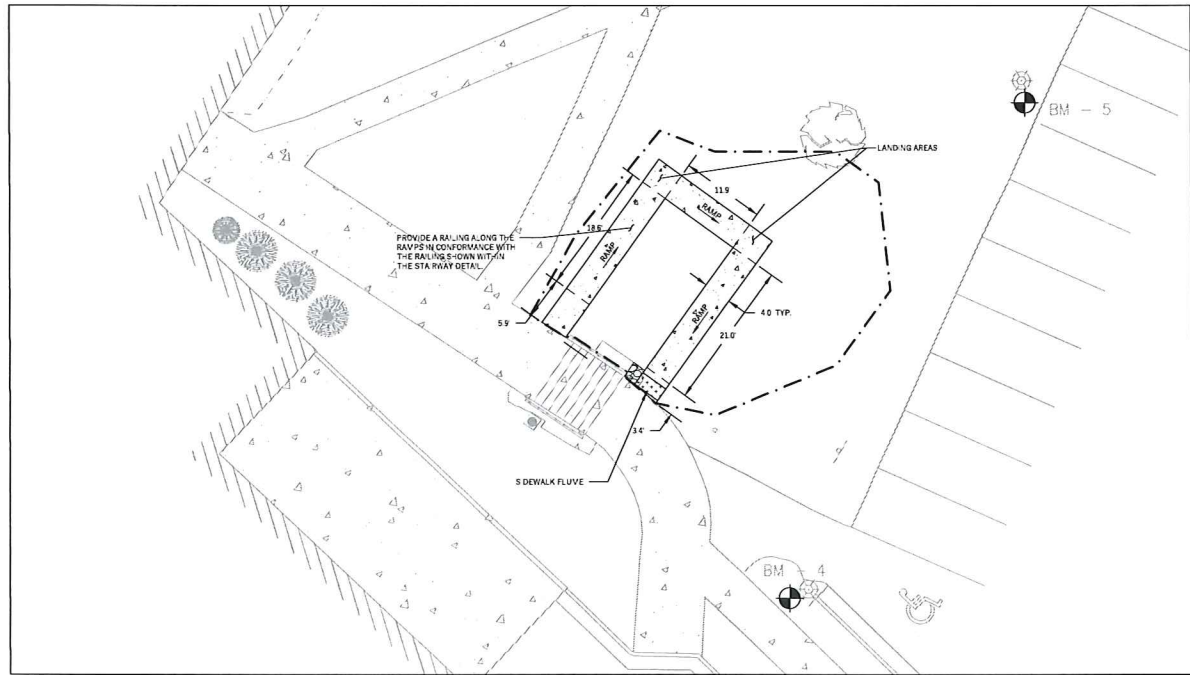
**Proposed Site Conditions**  
1" = 60'



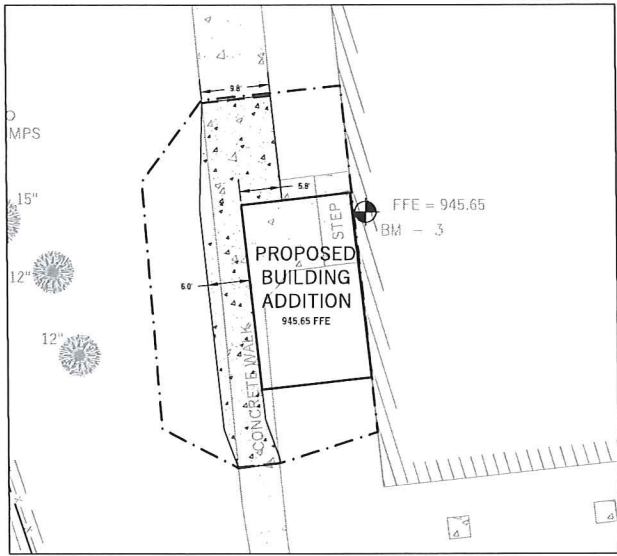




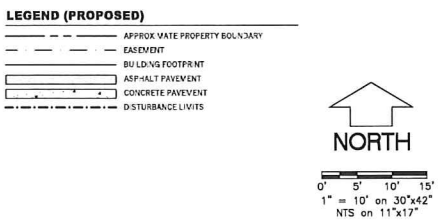
2 DRIVEWAY SIDEWALK ENTRY DETAIL  
1" = 10'



4 ADA ENTRY RAMP DETAIL  
1" = 10'



3 STAIRWAY BUILDING ADDITION DETAIL  
1" = 10'

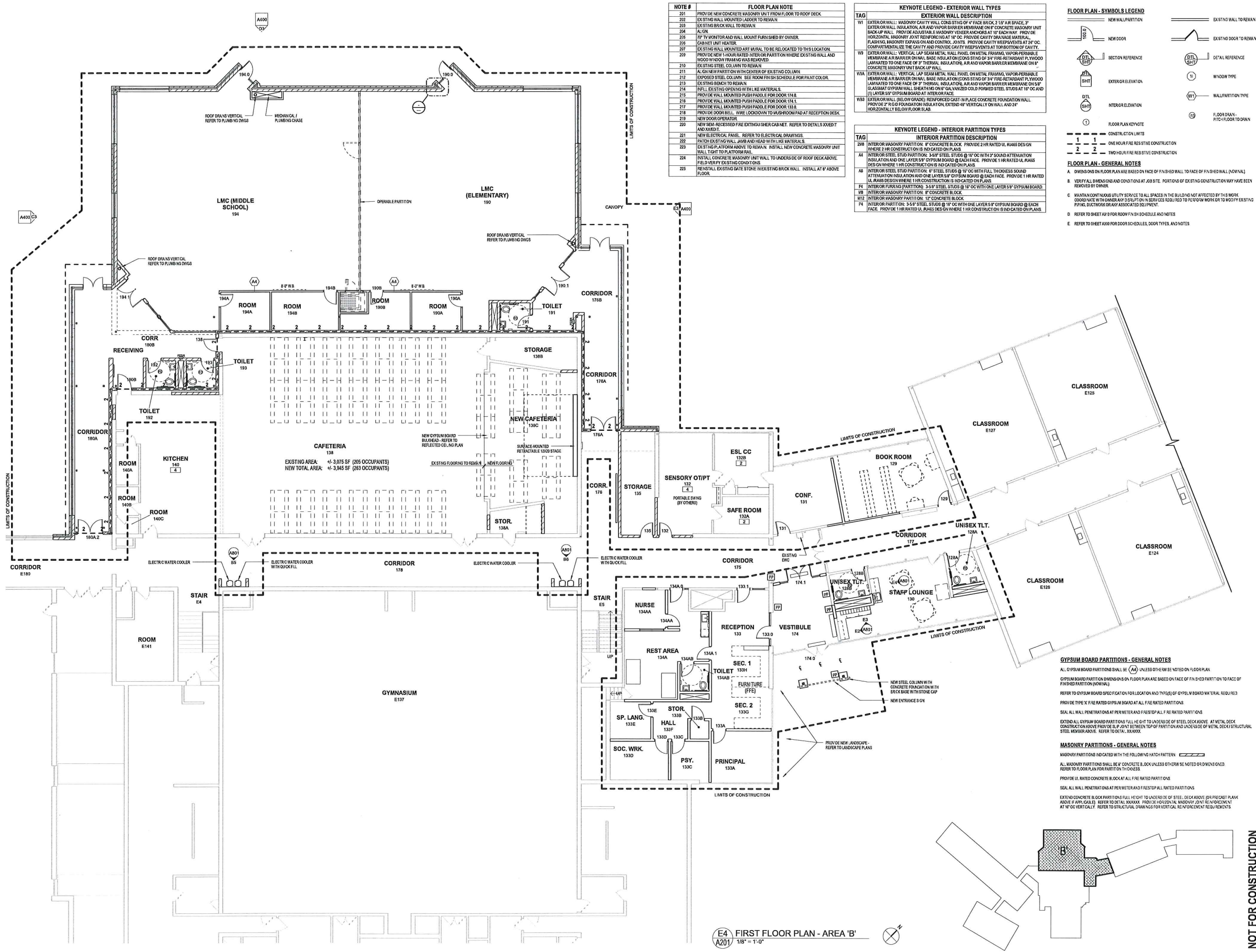


- GENERAL NOTES**
- UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS WAS SHOWN IN THE FIELD THE WEEK OF JUNE 8TH, 2015. WYSE ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRORS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
  - BENCHMARK INFORMATION CAN BE FOUND ON THE EXISTING CONDITIONS MAP. THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
  - CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND REQUIREMENTS.
  - WYSE ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISPUTED ACTIONS BY REGULATORY AGENCIES.
  - IF ANY ERRORS, DISCREPANCIES, OR DISSEMINATIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
  - ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PLUMBING OUTLETS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - LATEST EDITION.

1 DETAIL LOCATION SITE PLANS  
1" = 10'









Floor plan of the second floor showing the following rooms and areas:

- CLASSROOM 113**
- CLASSROOM 111**
- CLASSROOM 109** (39)
- IT ROOM 113A**
- CLASSROOM 112** (39)
- CLASSROOM 110** (39)

The plan includes a central hallway, a staircase, and various doors and windows. The rooms are labeled with their respective numbers and, where applicable, a box containing the number 39.

This architectural floor plan shows the first floor of Area 'C'. The layout includes several classrooms (L109, L110, L112, L113, L114, L115, L116, L117, L118, L119, L120, L121, L122, L123, L124, L125, L126, L127, L128, L129, L130, L131, L132, L133, L134, L135, L136, L137, L138, L139, L140, L141, L142, L143, L144, L145, L146, L147, L148, L149, L150, L151, L152, L153, L154, L155, L156, L157, L158, L159, L160, L161, L162, L163, L164, L165, L166, L167, L168, L169, L170, L171, L172, L173, L174, L175, L176, L177, L178, L179, L180, L181, L182, L183, L184, L185, L186, L187, L188, L189, L190, L191, L192, L193, L194, L195, L196, L197, L198, L199, L200, L201, L202, L203, L204, L205, L206, L207, L208, L209, L210, L211, L212, L213, L214, L215, L216, L217, L218, L219, L220, L221, L222, L223, L224, L225, L226, L227, L228, L229, L230, L231, L232, L233, L234, L235, L236, L237, L238, L239, L240, L241, L242, L243, L244, L245, L246, L247, L248, L249, L250, L251, L252, L253, L254, L255, L256, L257, L258, L259, L260, L261, L262, L263, L264, L265, L266, L267, L268, L269, L270, L271, L272, L273, L274, L275, L276, L277, L278, L279, L280, L281, L282, L283, L284, L285, L286, L287, L288, L289, L290, L291, L292, L293, L294, L295, L296, L297, L298, L299, L300, L301, L302, L303, L304, L305, L306, L307, L308, L309, L310, L311, L312, L313, L314, L315, L316, L317, L318, L319, L320, L321, L322, L323, L324, L325, L326, L327, L328, L329, L330, L331, L332, L333, L334, L335, L336, L337, L338, L339, L340, L341, L342, L343, L344, L345, L346, L347, L348, L349, L350, L351, L352, L353, L354, L355, L356, L357, L358, L359, L360, L361, L362, L363, L364, L365, L366, L367, L368, L369, L370, L371, L372, L373, L374, L375, L376, L377, L378, L379, L380, L381, L382, L383, L384, L385, L386, L387, L388, L389, L390, L391, L392, L393, L394, L395, L396, L397, L398, L399, L400, L401, L402, L403, L404, L405, L406, L407, L408, L409, L410, L411, L412, L413, L414, L415, L416, L417, L418, L419, L420, L421, L422, L423, L424, L425, L426, L427, L428, L429, L430, L431, L432, L433, L434, L435, L436, L437, L438, L439, L440, L441, L442, L443, L444, L445, L446, L447, L448, L449, L450, L451, L452, L453, L454, L455, L456, L457, L458, L459, L460, L461, L462, L463, L464, L465, L466, L467, L468, L469, L470, L471, L472, L473, L474, L475, L476, L477, L478, L479, L480, L481, L482, L483, L484, L485, L486, L487, L488, L489, L490, L491, L492, L493, L494, L495, L496, L497, L498, L499, L500, L501, L502, L503, L504, L505, L506, L507, L508, L509, L510, L511, L512, L513, L514, L515, L516, L517, L518, L519, L520, L521, L522, L523, L524, L525, L526, L527, L528, L529, L530, L531, L532, L533, L534, L535, L536, L537, L538, L539, L540, L541, L542, L543, L544, L545, L546, L547, L548, L549, L550, L551, L552, L553, L554, L555, L556, L557, L558, L559, L560, L561, L562, L563, L564, L565, L566, L567, L568, L569, L570, L571, L572, L573, L574, L575, L576, L577, L578, L579, L580, L581, L582, L583, L584, L585, L586, L587, L588, L589, L590, L591, L592, L593, L594, L595, L596, L597, L598, L599, L600, L601, L602, L603, L604, L605, L606, L607, L608, L609, L610, L611, L612, L613, L614, L615, L616, L617, L618, L619, L620, L621, L622, L623, L624, L625, L626, L627, L628, L629, L630, L631, L632, L633, L634, L635, L636, L637, L638, L639, L640, L641, L642, L643, L644, L645, L646, L647, L648, L649, L650, L651, L652, L653, L654, L655, L656, L657, L658, L659, L660, L661, L662, L663, L664, L665, L666, L667, L668, L669, L670, L671, L672, L673, L674, L675, L676, L677, L678, L679, L680, L681, L682, L683, L684, L685, L686, L687, L688, L689, L690, L691, L692, L693, L694, L695, L696, L697, L698, L699, L700, L701, L702, L703, L704, L705, L706, L707, L708, L709, L710, L711, L712, L713, L714, L715, L716, L717, L718, L719, L720, L721, L722, L723, L724, L725, L726, L727, L728, L729, L730, L731, L732, L733, L734, L735, L736, L737, L738, L739, L740, L741, L742, L743, L744, L745, L746, L747, L748, L749, L750, L751, L752, L753, L754, L755, L756, L757, L758, L759, L760, L761, L762, L763, L764, L765, L766, L767, L768, L769, L770, L771, L772, L773, L774, L775, L776, L777, L778, L779, L780, L781, L782, L783, L784, L785, L786, L787, L788, L789, L790, L791, L792, L793, L794, L795, L796, L797, L798, L799, L800, L801, L802, L803, L804, L805, L806, L807, L808, L809, L810, L811, L812, L813, L814, L815, L816, L817, L818, L819, L820, L821, L822, L823, L824, L825, L826, L827, L828, L829, L830, L831, L832, L833, L834, L835, L836, L837, L838, L839, L840, L841, L842, L843, L844, L845, L846, L847, L848, L849, L850, L851, L852, L853, L854, L855, L856, L857, L858, L859, L860, L861, L862, L863, L864, L865, L866, L867, L868, L869, L870, L871, L872, L873, L874, L875, L876, L877, L878, L879, L880, L881, L882, L883, L884, L885, L886, L887, L888, L889, L890, L891, L892, L893, L894, L895, L896, L897, L898, L899, L900, L901, L902, L903, L904, L905, L906, L907, L908, L909, L910, L911, L912, L913, L914, L915, L916, L917, L918, L919, L920, L

**KEY PLAN**  
1" = 100'-0"

**Madison Metropolitan School District  
5th Addition & Interior Renovation - Hamilton Middle School**  
4801 Waukesha St, Madison, WI 53705

|                       |
|-----------------------|
| Revisions             |
|                       |
| Drawn By:<br>AJR      |
| Date:<br>07-12-2015   |
| Job No.:<br>140248-03 |
| Sheet No.:<br>A202    |

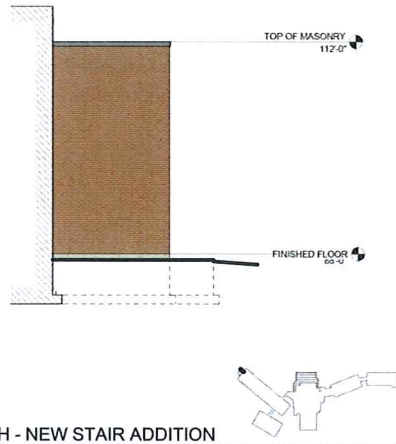
**pro** | PLUNKETT RAYSICH  
ARCHITECTS, LLP

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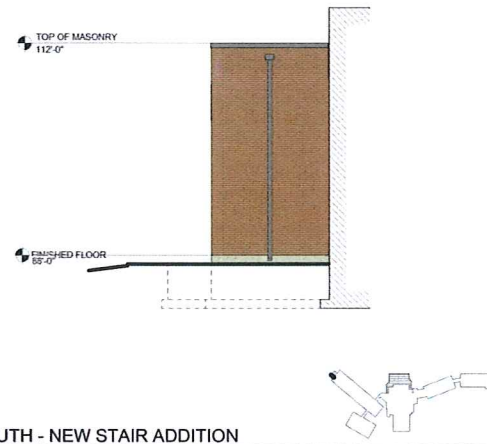
A2 NORTH - NEW STAIR ADDITION  
A400 1/8" = 1'-0"



A3 EXTERIOR ELEVATION - WEST - NEW STAIR ADDITION  
A400 1/8" = 1'-0"



A5 SOUTH - NEW STAIR ADDITION  
A400 1/8" = 1'-0"

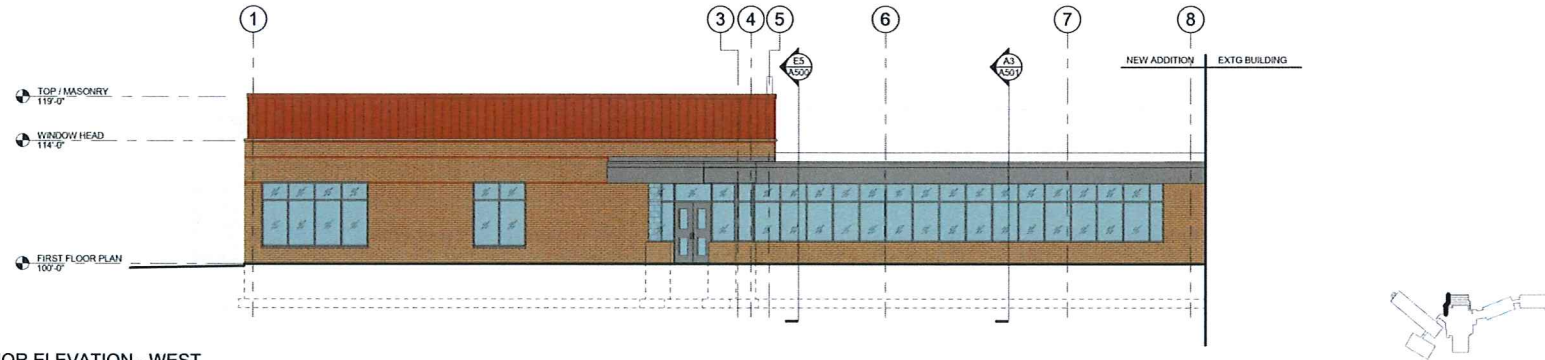


| EXTERIOR FINISH PATTERNS |          | EXTERIOR ELEVATIONS - GENERAL NOTES |  |
|--------------------------|----------|-------------------------------------|--|
|                          | SHINGLES | A                                   | PAINT ALL EXPOSED STEEL UNITS TO MATCH ADJACENT MASONRY COLOR  |
|                          | BRICK    | B                                   | TRIM ALL EXTERIOR LIGHTING FIXTURES, OUTLETS, HOSE BIBS AND ALL OTHER BUILDING PENETRATIONS WITH 1/4\" |
|                          | SIDING   | C                                   | REFER TO SHEET XXX FOR WINDOW FRAME ELEVATIONS   |
|                          | SHAKES   | D                                   | SEALANT COLORS TO MATCH ADJACENT FINISHED SURFACES   |
|                          |          | E                                   | FIBER CEMENT COLOR TO BE REDWOOD STAIN   |

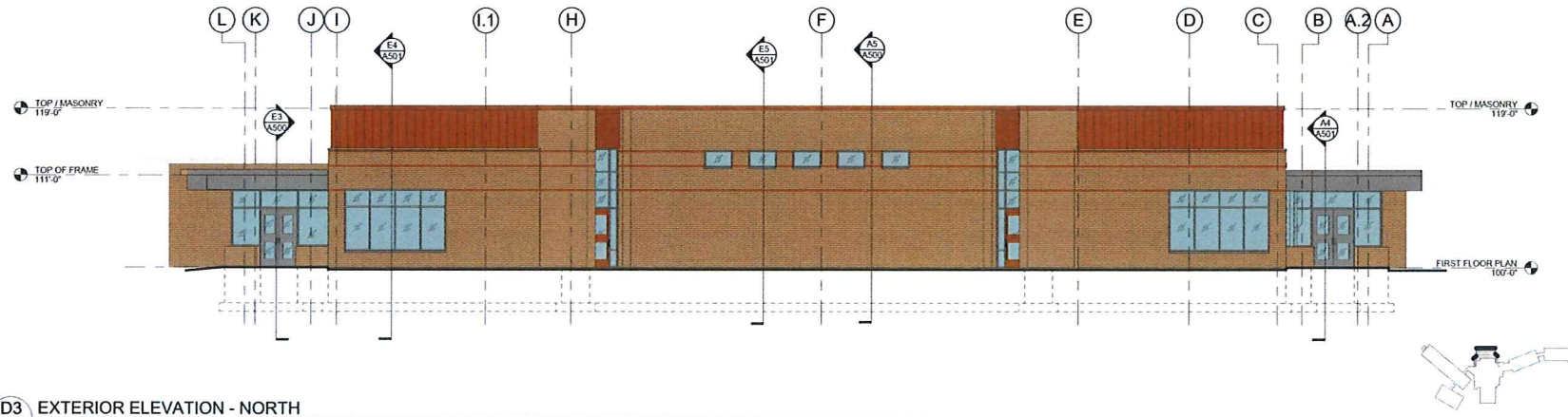
| KEYNOTE LEGEND - CONSTRUCTION TYPES |  |
|-------------------------------------|--|
| TAG                                 | CONSTRUCTION DESCRIPTION   |
| C1                                  | LAY IN CEILING PANELS IN EXPOSED GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE  |
| C14                                 | EXTERIOR SOFFIT METAL SOFFIT PANEL SYSTEM (25% PERFORATED) ON (EDIT FOR FRAMING SYSTEM)  |
| E1                                  | ALUMINUM WINDOW SYSTEM WITH INSULATING GLASS   |
| E2                                  | ALUMINUM STOREFRONT SYSTEM WITH ALUMINUM FRAME AND ALUMINUM DOOR WITH INSULATING GLASS   |
| E3                                  | ALUMINUM STOREFRONT SYSTEM WITH ALUMINUM FRAME AND FRP DOOR WITH INSULATING GLASS  |
| G1                                  | METAL FASCIA SYSTEM METAL GRAVEL STOP ON TREATED 2x WOOD BLOCKING  |
| G2                                  | METAL COPING SYSTEM METAL COPING ON TREATED 2x WOOD BLOCKING   |
| G4                                  | METAL SCUPPER  |
| J1                                  | PRECAST CONCRETE BILL REFER TO DETAIL XXX FOR PROFILE  |
| J2                                  | METAL FLASHING TRANSITION REFER TO DETAIL XXX FOR PROFILE  |
| J4                                  | NEOPANICAL SCREEN REFER TO DETAIL XXX FOR SECTION  |
| R1                                  | SINGLE PLY ROOFING SYSTEM LOOSELY LAID AND BALLASTED EPDM MEMBRANE WITH BALLAST PROTECTIVE MAT ON EXTRUDED POLYSTYRENE INSULATION ON VAPOR RETARDER ON 5\" |
| S1                                  | 5\"  |
| S2                                  | 5\"  |

NOTE # EXTERIOR ELEVATION NOTE

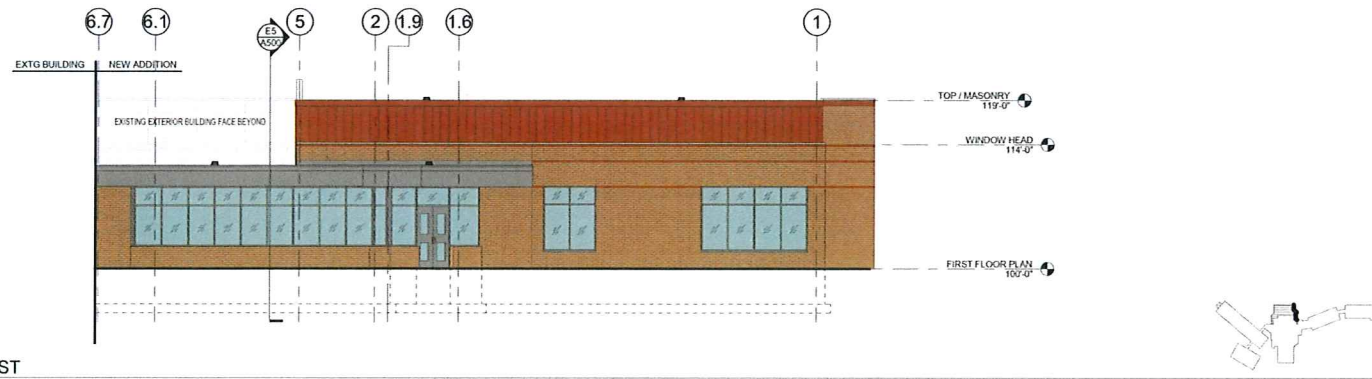
C3 EXTERIOR ELEVATION - WEST  
A400 1/8" = 1'-0"



D3 EXTERIOR ELEVATION - NORTH  
A400 1/8" = 1'-0"



E3 EXTERIOR ELEVATION - EAST  
A400 1/8" = 1'-0"



NOT FOR CONSTRUCTION

Madison Metropolitan School District  
5th Addition & Interior Renovation - Hamilton Middle School  
4801 Waukesha St, Madison, WI 53705

prai  
PLUNKETT RAYSCH  
ARCHITECTS, LLP

200 South Water Street Milwaukee, Wisconsin 53204  
2310 Crossroads Drive Suite 200 Madison, Wisconsin 53718  
1613 Fairville Road Suite 3 Sarasota, Florida 34236  
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| Revisions  |            |
|------------|------------|
| Drawn By:  | AJR        |
| Date:      | 08-09-2015 |
| Job No.:   | 140248-03  |
| Sheet No.: | A400       |



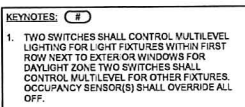






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| Sheet No.:<br>EL201   |

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# TWP LED

## LED Wall Luminaire



F8

Catalog  
Number

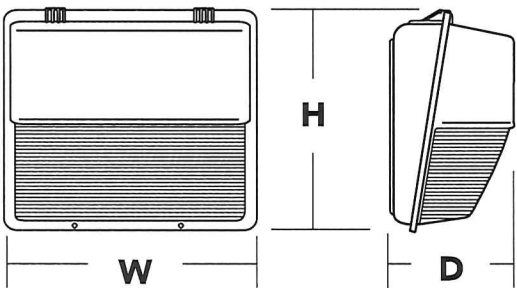
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

- Width:** 16-1/8"  
(41.0 cm)
- Height:** 15-1/2"  
(39.4 cm)
- Depth:** 7-3/4"  
(19.7 cm)
- Weight:** 15 lbs  
(6.8kg)



### Introduction

The popular TWP luminaire is now available with LED technology. Cast in a traditional dayform, the TWP LED offers a classic appearance and is powered by advanced LEDs. A one-piece polycarbonate cover delivers enhanced durability and is vandal resistant, making the TWP LED ideal for lower mounting heights or high-traffic areas.

The new TWP LED luminaire is powerful yet energy efficient, capable of replacing up to a 250W metal halide luminaire while saving up to 77% in energy costs. Offering an expected service life of more than 20 years, the TWP LED eliminates frequent lamp and ballast replacements associated with traditional technologies.

### Ordering Information

EXAMPLE: TWP LED 30C 700 50K T3M MVOLT DDBXD

| TWP LED |   |                     |  |   |  |  |
|---------|---|---------------------|--|---|--|--|
| Series  | Performance Package   | Distribution        | Voltage  | Control Options   | Other Options  | Finish <i>(required)</i>   |
| TWP LED | <b>LEDs</b><br>10C 10 LEDs<br>(one engine)<br>20C 20 LEDs<br>(two engines)<br>30C 30 LEDs<br>(one engine)<br><br><b>Drive current</b><br>700 700 mA<br><br><b>Color temperature</b><br>50K 5000 K (standard)<br>40K 4000 K (optional) | T3M Type III Medium | MVOLT <sup>1</sup><br>120 <sup>1</sup><br>208 <sup>1</sup><br>240 <sup>1</sup><br>277 <sup>1</sup><br>347 <sup>2</sup><br>480 <sup>2</sup> | <b>Shipped installed</b><br>DMG 0-10V dimming driver (no controls)<br>PE Photoelectric cell, button type <sup>3</sup> | <b>Shipped installed</b><br>SF Single fuse (120, 277, 347V) <sup>4</sup><br>DF Double fuse (208, 240, 480V) <sup>4</sup><br>TP Tamper proof screws<br>NOM NOM Certified<br>SPD Separate surge protection <sup>5</sup><br><br><b>Shipped separately</b><br>WG Wire guard <sup>6</sup> | DDBXD Dark bronze<br>DBLXD Black<br>DWHXD White<br>DDBTXD Textured dark bronze<br>DBLBXD Textured black<br>DWHGXD Textured white |

Stock configurations are offered for shorter lead times:

| Standard Part Number                | Stock Part Number |
|-------------------------------------|-------------------|
| TWP LED 10C 700 50K T3M MVOLT DDBXD | TWP LED 10C 50K   |
| TWP LED 20C 700 50K T3M MVOLT DDBXD | TWP LED 20C 50K   |
| TWP LED 30C 700 50K T3M MVOLT DDBXD | TWP LED 30C 50K   |

### Accessories

Ordered and shipped separately.

TWPGW U

Wire guard accessory<sup>7</sup>

### NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options) or photocontrol (PE).
- Not available with 10C option.
- Must specify voltage; not available with MVOLT or 480 voltage options.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- See the electrical section on page 2 for more details.
- Also available as a separate accessory; see Accessories information at left.
- Requires field modification (only when ordered as a separate accessory).





Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| LEDs             | Drive Current (mA) | Performance Package | System Watts | Dist. Type | 40K<br>(4000 K, 70 CRI) |   |   |   |     | 50K<br>(5000 K, 65 CRI) |   |   |   |     |
|------------------|--------------------|---------------------|--------------|------------|-------------------------|---|---|---|-----|-------------------------|---|---|---|-----|
|                  |                    |                     |              |            | Lumens                  | B | U | G | LPW | Lumens                  | B | U | G | LPW |
| 10C<br>(10 LEDs) | 700                | 10C 700 --K         | 26 W         | T3M        | 1,478                   | 0 | 3 | 2 | 57  | 1,614                   | 0 | 3 | 2 | 62  |
| 20C<br>(20 LEDs) | 700                | 20C 700 --K         | 45 W         | T3M        | 2,877                   | 0 | 3 | 3 | 64  | 3,149                   | 0 | 3 | 3 | 70  |
| 30C<br>(30 LEDs) | 700                | 30C 700 --K         | 67 W         | T3M        | 4,157                   | 0 | 3 | 3 | 62  | 4,377                   | 0 | 3 | 3 | 65  |

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient |       | Lumen Multiplier |
|---------|-------|------------------|
| 0°C     | 32°F  | 1.02             |
| 10°C    | 50°F  | 1.01             |
| 20°C    | 68°F  | 1.00             |
| 25°C    | 77°F  | 1.00             |
| 30°C    | 86°F  | 1.00             |
| 40°C    | 104°F | 0.98             |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **TWP LED 30C 700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours          | 0   | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | 0.97   | 0.96   | 0.94    |

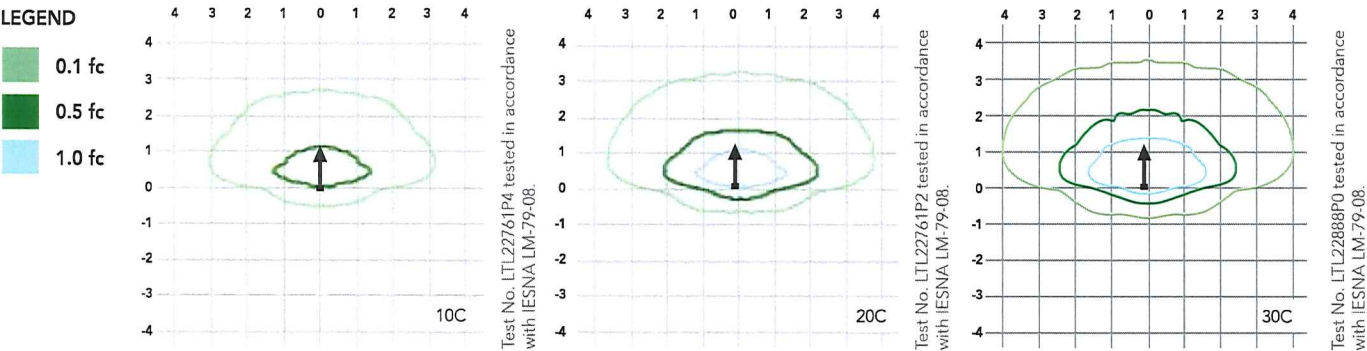
Electrical Load

| LEDs | Drive Current (mA) | System Watts | Current (A) |      |      |      |      |      |
|------|--------------------|--------------|-------------|------|------|------|------|------|
|      |                    |              | 120V        | 208V | 240V | 277V | 347V | 480V |
| 10C  | 700                | 26 W         | 0.24        | 0.14 | 0.12 | 0.10 | -    | -    |
| 20C  | 700                | 45 W         | 0.42        | 0.24 | 0.21 | 0.18 | 0.14 | 0.10 |
| 30C  | 700                | 67 W         | 0.62        | 0.36 | 0.31 | 0.27 | 0.21 | 0.16 |

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [TWP LED homepage](#).

Isofootcandle plots for the TWP LED --- 700 50K T3M. Distances are in units of mounting height (15').



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the TWP LED make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Die-cast aluminum rear housing has an impact-resistant, UV-stabilized polycarbonate front housing and refractor that is fully gasketed. Modular design allows for ease of maintenance. The LED driver is mounted to the front casting to thermally isolate it from the light engine for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS

Protective polycarbonate lens covers the light engine's precision-molded proprietary acrylic lenses. Light engines are available in 5000 K (65 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 or 30 high-efficacy LEDs mounted to a metal-core circuit board and integral aluminum heat sink to maximize heat dissipation and promote long life (L94/100,000 hrs at 25°C). The electronic driver has a power factor of >90%, THD <20%, and a minimum 2.5 KV

surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Feed-thru wiring can be achieved by using a conduit tee. Mount on any flat, vertical surface.

LISTINGS

UL listed for wet locations. Rated for -40°C minimum ambient.

WARRANTY

Five year limited warranty. Full 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.





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Home / Indoor Lighting / Exit & Emergency



Cold Location LED  
Emergency Light, Wet-  
listed, Dark Bronze

SKU: E-XML4CWZ

\$84.99

Quantity

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ADD TO QUOTE

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Available 5/25/2015

RATINGS

WRITE A REVIEW

ASK A QUESTION

| DETAILS   | SPECS & GUIDE | ACCESSORIES | REVIEWS | Q&A |
|---|---------------|-------------|---------|-----|
| <div>OVERVIEW</div> <div>Wet-listed, cold location LED emergency light in dark bronze with input of 120V or 277V</div> <div><div>FEATURES</div><ul style="list-style-type: none"><li>• Die-cast aluminum housing with durable powder-coated finish</li><li>• Polycarbonate prismatic refractor</li><li>• Charge/power on indicator LED</li><li>• Push-to-test</li><li>• Sealed, 4.8V maintenance-free nickel cadmium battery provides up to 90 minutes of emergency operation</li><li>• Battery recharges within 24 hours via internal solid-state, two-rate charger</li><li>• Includes back plate for wall mount. Universal knockout pattern on back plate provides for easy installation over most standard junction boxes</li><li>• Fully gasketed</li><li>• Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA codes</li><li>• 5-year limited warranty on housing and electronics</li></ul></div> <div><div>APPLICATIONS</div><p>For general purpose exit identification in indoor commercial, retail, or industrial applications.</p></div> |               |             |         |     |