URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:
http://www.cityofmadison.com/planning/documents/UDCapplication.pdf

215 Martin Luther King Jr. Blvd; Room LL-100
PO Box 2985; Madison, Wisconsin 53701-2985
Phone: 608.266.4635 | Facsimile: 608.267.8739

Please complete all sections of the application, including the desired meeting date and the type of action requested.

Date Submitted: September 2, 2015	☐ **Informational Presentation**
UDC Meeting Date: September 16, 2015	☐ **Initial Approval**
Combined Schedule Plan Commission Date (if applicable):	☒ **Final Approval**

1. Project Address: 3344 Concord Ave

Project Title (if any): Hawthorne Elementary School - Addition and Renovation

2. This is an application for (Check all that apply to this UDC application):

☐ **New Development** ☒ **Alteration to an Existing or Previously-Approved Development**

A. Project Type:

☐ **Project in an Urban Design District*** **(public hearing-$300 fee)**
☐ **Project in the Downtown Core District (DC) or Urban Mixed-Use District (UMX)** **($150 fee, Minor Exterior Alterations)**
☐ **Suburban Employment Center (SEC) or Campus Institutional District (CI) or Employment Campus District (EC)**
☐ **Planned Development (PD)**
  ☐ **General Development Plan (GDP)**
  ☐ **Specific Implementation Plan (SIP)**
☐ **Planned Multi-Use Site or Planned Residential Complex**

B. Signage:

☐ **Comprehensive Design Review*** **(public hearing-$300 fee)** ☐ **Street Graphics Variance*** **(public hearing-$300 fee)**
☐ **Signage Exception(s) in an Urban Design District** **(public hearing-$300 fee)**

C. Other:

☒ **Please specify:** Public Building

3. Applicant, Agent & Property Owner Information:

Applicant Name: Steven Kieckhafer, Architect
Company: Plunkett Raysich Architects
Street Address: 2310 Crossroads Dr, Madison, WI
City/State: Madison, WI Zip: 53718
Telephone: (608) 240-9900 x357 Fax: (___) ___
Email: SKieckhafer@prarch.com

Project Contact Person: ___
Company: ___
Street Address: ___
City/State: ___ Zip: ___
Telephone: (___) ___ Fax: (___) ___
Email: ___

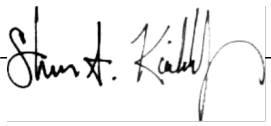
Project Owner (if not applicant): Rick Hopke
Street Address: 4711 Pflaum Road
City/State: Madison, WI Zip: 53718
Telephone: (608) 204-7912 Fax: (___) ___
Email: rhopke@madison.k12.wi.us

4. Applicant Declarations:

A. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Al Martin (name of staff person) on Feb. 23, 2015 and June 9, 2015 (date of meeting)

B. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of Applicant Steven Kieckhafer, Architect
Relationship to Property ___

Authorized Signature 
Date August 26, 2015

PLUNKETT RAYSICH
ARCHITECTS, LLP

September 2, 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
Hawthorne Elementary School
3344 Concord Ave, Madison, WI
PRA Project No. 140248-04

Dear Mr. Martin:

The following submittal is our request for a Final Approval presentation to the Urban Design Commission on September 16nd, 2015. This project had been presented to the Commission on July 29th and obtained a referral. A follow-up presentation was made on August 12th to address comments that were identified by the Commission and obtained Initial Approval.

Organizational Structure:

Owner: Madison Metropolitan School District
545 W Dayton Street
Madison, WI 53703
Contact: Rick Hopke
rhopke@madison.k12.wi.us

Architect: Plunkett Raysich Architects, LLP
2310 Crossroads Dr., Ste. 2000
Madison, WI 53718
Contact: Steve Kieckhafer
SKieckhafer@prarch.com

Site/Civil: Snyder & Associates
5010 Voges Road
Madison, WI 53718
Contact: Brian Biwer
bbiwer@snyder-associates.com

Landscape: Ziegler Design
4797Capital View Dr
Middleton, WI 53562
Contact: Steve Ziegler
steve@zdainc.com

Lighting: KJWW Engineering
802 West Broadway
Madison, WI 53713

Contact: Scott Hole
holess@kjww.com

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 to16 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 classroom space, Art room and Music room, as well as new gymnasium space. Adding the classroom space will not increase the capacity of the building, but will alleviate the existing overcrowded classrooms spaces. The current cafeteria space will be relocated to the existing gymnasium with renovation for a new kitchen, then the current cafeteria will be renovated to new classroom space.

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	~9.22 acres
Current building Gross Floor Area	47,875 s.f.
Proposed addition of Gross Floor Area	11,525 s.f.
New total Gross Floor Area	59,400.f.

Vehicle Parking

On-site surface Parking	75 spaces	8 accessible

Bike Parking

Bike Storage available to students, ~40 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-June7, 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, received referral
August 12, 2015- UDC, received Initial Approval

Estimated Project Costs:

The project costs are estimated to be $2,480,000

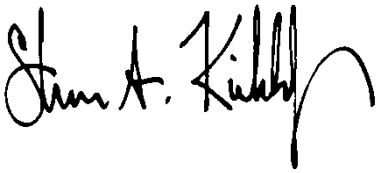
Public Subsidy:

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,

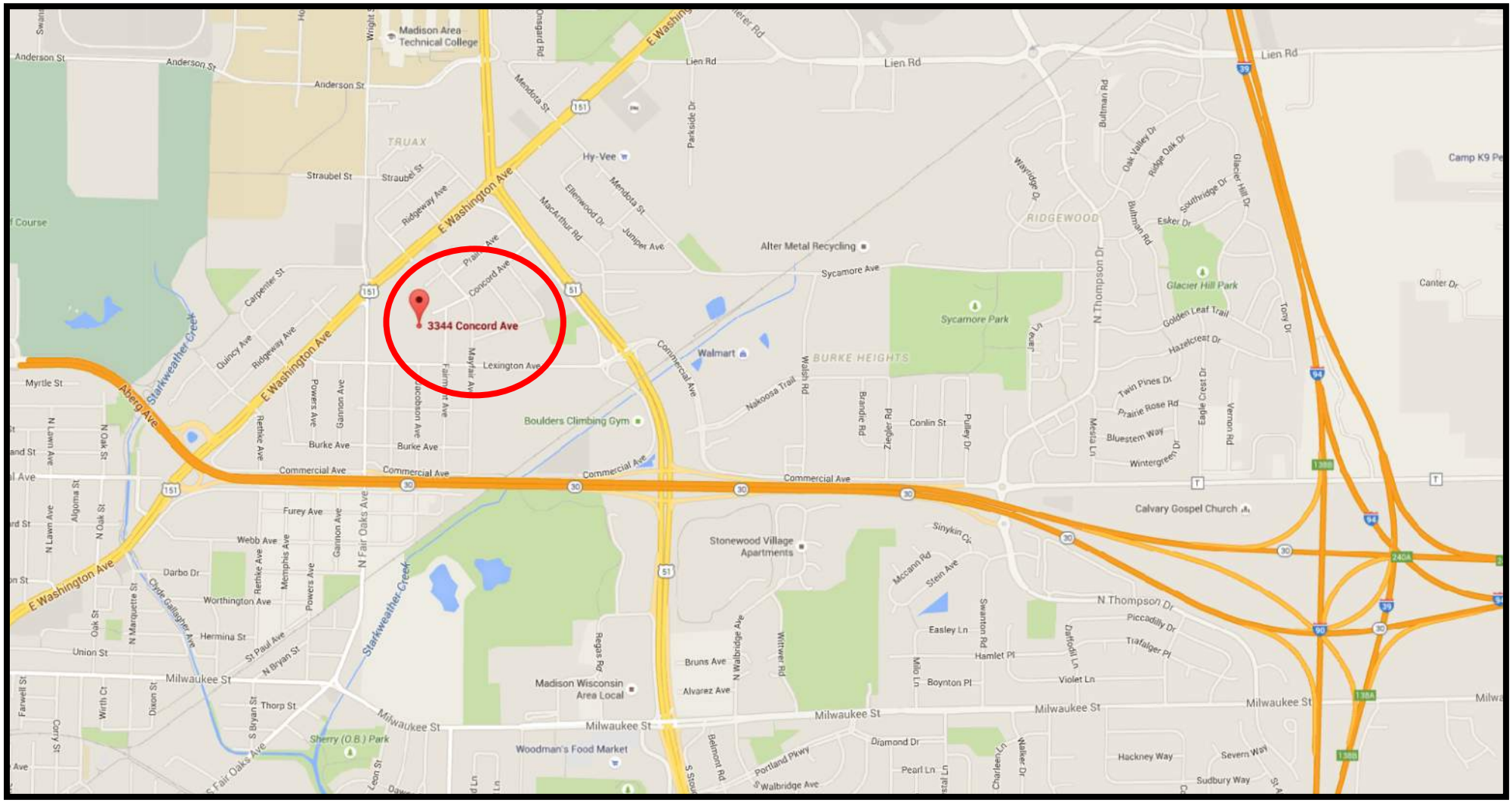


Steven A. Kieckhafer, AIA
Architect

PLUNKETT RAYSICH ARCHITECTS, LLP

MADISON METROPOLITAN SCHOOL DISTRICT
Madison, Wisconsin

Hawthorne Elementarty School



Location Map

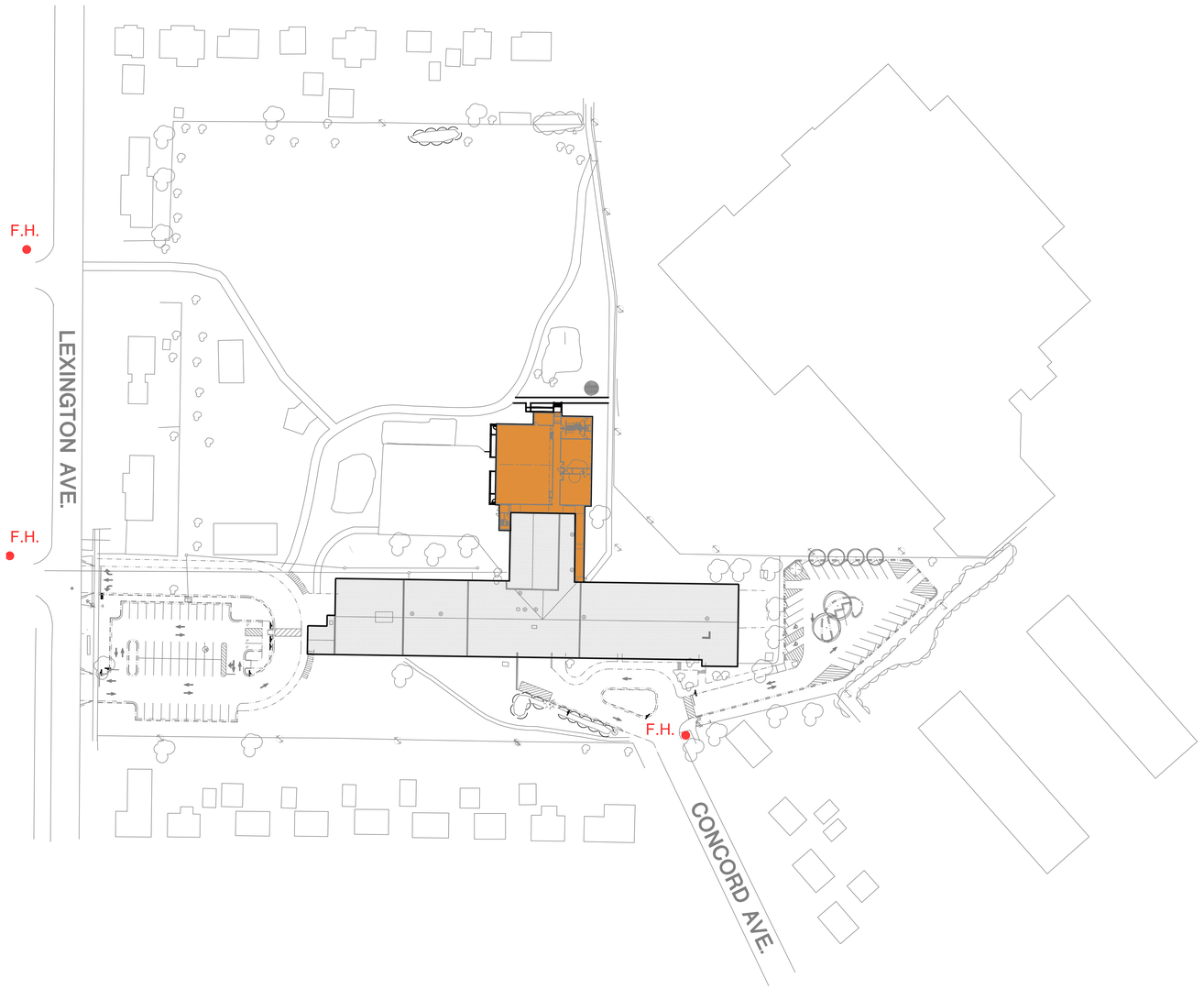
PLUNKETT RAYSICH ARCHITECTS, LLP

MADISON METROPOLITAN SCHOOL DISTRICT
Madison, Wisconsin

PLUNKETT RAYSICH ARCHITECTS, LLP

MADISON METROPOLITAN SCHOOL DISTRICT
Madison, Wisconsin

Hawthorne Elementary School



Proposed Site Conditions

1" = 60'

FLOOR PLAN - SYMBOLS LEGEND

- NEW WALL/PARTITION
- EXISTING WALL TO REMAIN
- NEW DOOR (100.0)
- EXISTING DOOR TO REMAIN
- SECTION REFERENCE (DTL / SHT)
- DETAIL REFERENCE (DTL / SHT)
- EXTERIOR ELEVATION (DTL / SHT)
- SEMI-RECESSED FIRE EXTINGUISHER CABINET - SEE DEATILS E3/A810 & E4/A810 (FESR)
- INTERIOR ELEVATION (DTL / SHT)
- WINDOW TYPE (1i)
- FLOOR PLAN KEYNOTE (1)
- WALL/PARTITION TYPE (W1)
- CONSTRUCTION LIMITS
- ONE HOUR FIRE RESISTIVE CONSTRUCTION (1 / 1)
- TWO HOUR FIRE RESISTIVE CONSTRUCTION (2 / 2)
- FLOOR DRAIN - PITCH FLOOR TO DRAIN (FD)
- CORNER GUARD - SEE DETAILS D3/A810 & D4/A810 (CG)

FLOOR PLAN - GENERAL NOTES

A. DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED WALL TO FACE OF FINISHED WALL (NOMINAL).

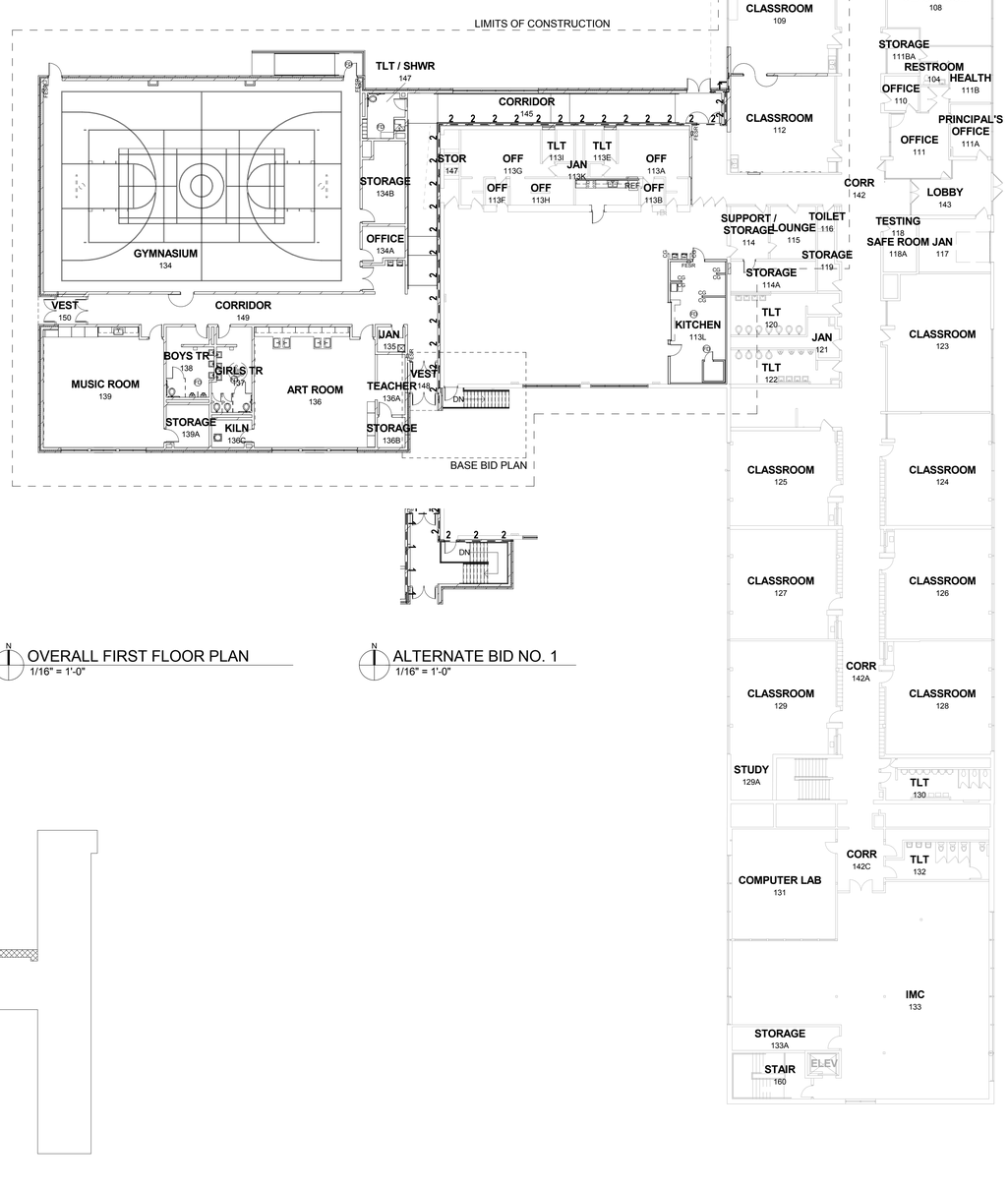
B. VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. PORTIONS OF EXISTING CONSTRUCTION MAY HAVE BEEN REMOVED BY OWNER.

C. MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. COORDINATE WITH OWNER ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING PIPING, DUCTWORK OR ANY ASSOCIATED EQUIPMENT.

D. REFER TO SHEET A910 FOR ROOM FINISH SCHEDULE AND NOTES.

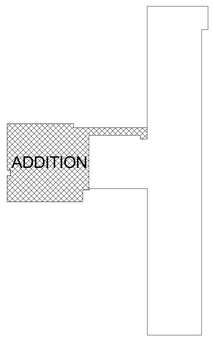
E. REFER TO SHEET A900 FOR DOOR SCHEDULES, DOOR TYPES, AND NOTES.

N OVERALL GROUND FLOOR PLAN
1/16" = 1'-0"



N OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

N ALTERNATE BID NO. 1
1/16" = 1'-0"



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pra
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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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Madison Metropolitan School District
Hawthorne Elementary School - 3rd Addition & Interior Remodeling
3344 Concord Ave, Madison, WI 53714

Revisions

Drawn By: KTB

Date: 08-25-2015

Job No.: 140248-04

Sheet No.: A100

FLOOR PLAN - SYMBOLS LEGEND

NEW WALL/PARTITION
EXISTING WALL TO REMAIN
100.0 NEW DOOR
EXISTING DOOR TO REMAIN
DTL SHT SECTION REFERENCE
DTL SHT DETAIL REFERENCE
DTL SHT EXTERIOR ELEVATION
FESR SEMI-RECESSED FIRE EXTINGUISHER CABINET - SEE DEATILS E3/A810 & E4/A810
DTL SHT INTERIOR ELEVATION
1i WINDOW TYPE
1 FLOOR PLAN KEYNOTE
W1 WALL/PARTITION TYPE
CONSTRUCTION LIMITS
1 1 ONE HOUR FIRE RESISTIVE CONSTRUCTION
2 2 TWO HOUR FIRE RESISTIVE CONSTRUCTION
FD FLOOR DRAIN - PITCH FLOOR TO DRAIN
CG CORNER GUARD - SEE DETAILS D3/A810 & D4/A810

FLOOR PLAN - GENERAL NOTES

A. DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED WALL TO FACE OF FINISHED WALL (NOMINAL).

B. VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. PORTIONS OF EXISTING CONSTRUCTION MAY HAVE BEEN REMOVED BY OWNER.

C. MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. COORDINATE WITH OWNER ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING PIPING, DUCTWORK OR ANY ASSOCIATED EQUIPMENT.

D. REFER TO SHEET A910 FOR ROOM FINISH SCHEDULE AND NOTES.

E. REFER TO SHEET A900 FOR DOOR SCHEDULES, DOOR TYPES, AND NOTES.

GYPSUM BOARD PARTITIONS - GENERAL NOTES

ALL GYPSUM BOARD PARTITIONS SHALL BE (A4) UNLESS OTHERWISE NOTED ON FLOOR PLAN.

GYPSUM BOARD PARTITION DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED PARTITION TO FACE OF FINISHED PARTITION (NOMINAL).

REFER TO GYPSUM BOARD SPECIFICATION FOR LOCATION AND TYPE(S) OF GYPSUM BOARD MATERIAL REQUIRED.

PROVIDE TYPE 'X' OR TYPE 'C' FIRE RATED GYPSUM BOARD AT ALL FIRE RATED PARTITIONS AS REQUIRED PER UL ASSEMBLY RATING.

ALL GYPSUM WALL BOARD SHALL BE ABUSE-RESISTANT.

SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL FIRE RATED PARTITIONS.

EXTEND ALL GYPSUM BOARD PARTITIONS FULL HEIGHT TO UNDERSIDE OF STEEL DECK ABOVE. AT METAL DECK CONSTRUCTION ABOVE PROVIDE SLIP JOINT BETWEEN TOP OF PARTITION AND UNDERSIDE OF METAL DECK / STRUCTURAL STEEL MEMBER ABOVE. REFER TO PARTITION DETAILS ON A810

MASONRY PARTITIONS - GENERAL NOTES

MASONRY PARTITIONS INDICATED WITH THE FOLLOWING HATCH PATTERN:

ALL MASONRY PARTITIONS SHALL BE (M8) UNLESS OTHERWISE NOTED OR DIMENSIONED. REFER TO FLOOR PLAN FOR PARTITION THICKNESS.

PROVIDE UL RATED CONCRETE BLOCK AT ALL FIRE RATED PARTITIONS.

SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL RATED PARTITIONS.

EXTEND CONCRETE BLOCK PARTITIONS FULL HEIGHT TO UNDERSIDE OF STEEL DECK ABOVE. REFER TO DETAIL A6/A810. PROVIDE HORIZONTAL MASONRY JOINT REINFORCEMENT AT 16" OC VERTICALLY. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT REQUIREMENTS.

KEYNOTE LEGEND - EXTERIOR WALL TYPES

TAG	EXTERIOR WALL DESCRIPTION
W1	EXTERIOR WALL: MASONRY CAVITY WALL CONSISTING OF 4" FACE BRICK, 1-3/4" AIR SPACE, 3" RIGID INSULATION, SPRAY APPLIED AIR AND VAPOR BARRIER SYSTEM ON 8" CONCRETE MASONRY UNIT BACK-UP WALL WITH ADJUSTABLE (TWO-PIECE) HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING). PROVIDE CAVITY DRAINAGE MATERIAL, FLASHING, CAVITY WEEPS/VENTS @ 24" OC AND MASONRY EXPANSION AND CONTROL JOINTS. COMPARTMENTALIZE THE CAVITY AND PROVIDE CAVITY WEEPS/VENTS AT TOP/BOTTOM OF CAVITY PER DETAIL D3/A600.
W2	EXTERIOR WALL: SINGLE WYTHE MASONRY WALL CONSISTING OF XX" CONCRETE MASONRY UNIT WITH INSULATED CORES. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEPS @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS.
W3	EXTERIOR WALL: MULTI-WYTHE MASONRY WALL CONSISTING OF 4" FACE BRICK (EDIT FOR OTHER MATERIAL) WITH XX" CONCRETE MASONRY UNIT BACK-UP. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEPS @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS.
W4	EXTERIOR WALL: MASONRY VENEER STUD WALL CONSISTING OF 4" FACE BRICK (EDIT FOR OTHER MATERIALS), 1-3/4" AIR SPACE, 3" RIGID INSULATION, SPRAY APPLIED AIR AND VAPOR BARRIER SYSTEM ON 5/8" GYPSUM SHEATHING, 6" GALVANIZED COLD FORMED STEEL STUDS (REFER TO STRUCTURAL DRAWINGS FOR GAUGE) AND (1) LAYER 5/8" GYPSUM BOARD AT INTERIOR FACE. PROVIDE ADJUSTABLE MASONRY VENEER ANCHORS @ 16" EW. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC. PROVIDE CAVITY DRAINAGE MATERIAL, FLASHING, MASONRY EXPANSION AND CONTROL JOINTS. PROVIDE CAVITY WEEPS/VENTS @ 24" OC. COMPARTMENTALIZE THE CAVITY AND PROVIDE CAVITY WEEPS/VENTS AT TOP/BOTTOM OF CAVITY.

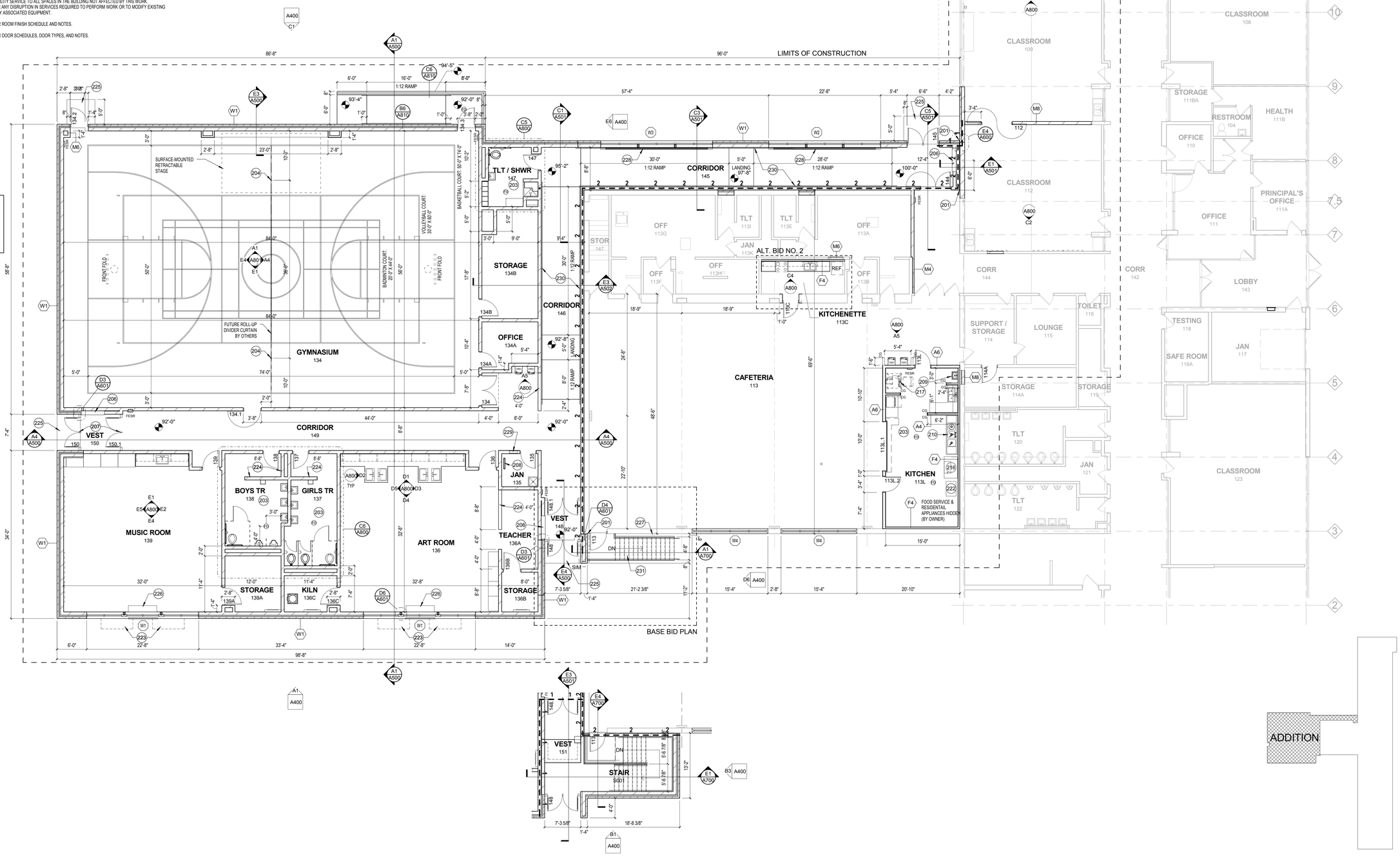
KEYNOTE LEGEND - INTERIOR PARTITION TYPES

TAG	INTERIOR PARTITION DESCRIPTION
A4	INTERIOR STEEL STUD PARTITION: 3-5/8" STEEL STUDS @ 16" OC WITH 3" SOUND ATTENUATION INSULATION AND ONE LAYER 5/8" GYPSUM BOARD @ EACH FACE. PROVIDE 1 HR RATED UL #U465 DESIGN WHERE 1 HR CONSTRUCTION IS INDICATED ON PLANS.
A6	INTERIOR STEEL STUD PARTITION: 6" STEEL STUDS @ 16" OC WITH FULL THICKNESS SOUND ATTENUATION INSULATION AND ONE LAYER 5/8" GYPSUM BOARD @ EACH FACE. PROVIDE 1 HR RATED UL #U465 DESIGN WHERE 1 HR CONSTRUCTION IS INDICATED ON PLANS. SEE DETAIL A4/A810
F4	INTERIOR FURRING (PARTITION): 3-5/8" STEEL STUDS @ 16" OC WITH ONE LAYER 5/8" GYPSUM BOARD. SEE DETAIL A5/A810
M4	INTERIOR MASONRY PARTITION: 4" CONCRETE BLOCK. SEE DETAIL A6/A810
M6	INTERIOR MASONRY PARTITION: 6" CONCRETE BLOCK. SEE DETAIL A6/A810
M8	INTERIOR MASONRY PARTITION: 8" CONCRETE BLOCK. SEE DETAIL A6/A810

NOTE #	FLOOR PLAN NOTE
201	3/4" VERTICAL MASONRY EXPANSION JOINT. JOINTS TO BE 2 HOUR FIRE RATED AT EXTERIOR WALL LOCATIONS.
203	PITCH CONCRETE FLOOR SLAB 1/4"/FT TO FLOOR DRAIN.
204	SLEEVE FOR VOLLEYBALL STANDARD. SEE DETAIL E2/A810.
206	SEMI-RECESSED CABINET UNIT HEATER
207	REMOVABLE MULLION.
208	ACCESS LADDER TO ROOF SCUTTLE. SEE DETAIL A4/A600.
209	HAND SINK. EAGLE GROUP MODEL #HSA-10-FW (19" WIDE X 15" DEEP)
210	3 COMPARTMENT POT AND PAN SINK. EAGLE GROUP MODEL FN 20154-3-18-14/3 (96" WIDE X 27" DEEP) GREASE TRAP UNDER SINK EXTENDS OUT 21" TO THE LEFT OF THE SINK.
216	SHELVING WITH LOCKABLE CAGE. CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED
217	STAFF WORK DESK. CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED
222	GREASE TRAP (ABOVE SLAB).
223	6' X 3' FUTURE PHOTOVOLTAIC PANEL BY OWNER
224	PARTIAL HEIGHT CMU WALL. REFER TO PLAN FOR HEIGHT. PROVIDE BULLNOSED SOLID TOP COURSE.
225	CONCRETE STOOP
226	UNIT VENTILATOR
227	EXISTING DOWNSPOUT TO REMAIN.
228	RADIATION UNIT
229	ELECTRICAL PANEL
230	RAMP HANDRAILS. SEE DETAIL B5/A810. HANDRAILS TO BE CONTINUOUS AT INSIDE CORNER TRANSITION OF CORRIDORS 145 AND 146 AND ACROSS INTERMEDIATE LANDINGS.
231	METAL GRATE EXTERIOR STAIR

GYM/ BAND/ ART ADDITION FFE
ARCHITECTURAL: 92'-0"
CIVIL: 877.56'

EXTG BUILDING FIRST FLOOR FFE
ARCHITECTURAL: 100'-0"
CIVIL: 885.56'



FIRST FLOOR PLAN
1/8" = 1'-0"

ALTERNATE BID 1
1/8" = 1'-0"

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Madison Metropolitan School District
Hawthorne Elementary School - 3rd Addition & Interior Remodeling
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Revisions

Drawn By: KTB/ AD
Date: 08-25-2015
Job No.: 140248-04
Sheet No.: A201

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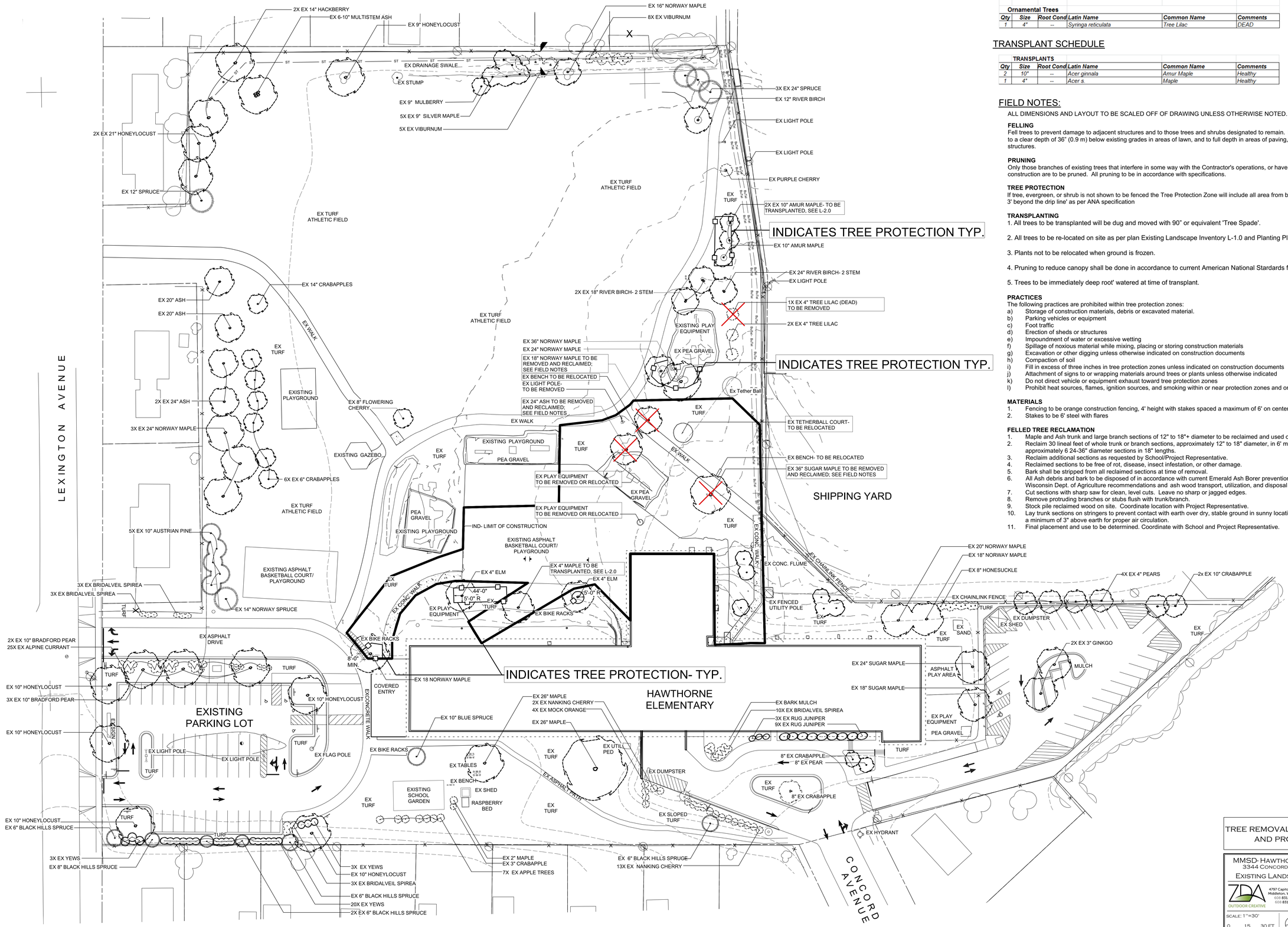

PLANT REMOVAL SCHEDULE

Overstory Trees

Qty	Size	Root Cond	Latin Name	Common Name	Comments
1	36"	--	*Acer saccharum*	Sugar Maple	
1	18"	--	Acer platanoides	Norway Maple	
1	24"	--	*Fraxinus pennsylvanica*	Green Ash	

Ornamental Trees

Qty	Size	Root Cond	Latin Name	Common Name	Comments
1	*4"*	--	*Syringa reticulata*	*Tree Lilac*	*DEAD*

TRANSPLANT SCHEDULE

TRANSPLANTS

Qty	Size	Root Cond	Latin Name	Common Name	Comments
2	*10"*	--	*Acer ginnala*	*Amur Maple*	*Healthy*
1	*4"*	--	*Acer s.*	*Maple*	*Healthy*

FIELD NOTES:

ALL DIMENSIONS AND LAYOUT TO BE SCALED OFF OF DRAWING UNLESS OTHERWISE NOTED.

FELLING
Fell trees to prevent damage to adjacent structures and to those trees and shrubs designated to remain. Remove stumps and roots to a clear depth of 36" (0.9 m) below existing grades in areas of lawn, and to full depth in areas of paving, building footings, or utility structures.

PRUNING
Only those branches of existing trees that interfere in some way with the Contractor's operations, or have been damaged by construction are to be pruned. All pruning to be in accordance with specifications.

TREE PROTECTION
If tree, evergreen, or shrub is not shown to be fenced the Tree Protection Zone will include all area from base of plant extending to 3' beyond the drip line' as per ANA specification

TRANSPLANTING
1. All trees to be transplanted will be dug and moved with 90" or equivalent 'Tree Spade'.

2. All trees to be re-located on site as per plan Existing Landscape Inventory L-1.0 and Planting Plan L-2.0.

3. Plants not to be relocated when ground is frozen.

4. Pruning to reduce canopy shall be done in accordance to current American National Stardards for Tree Care Operations

5. Trees to be immediately deep root' watered at time of transplant.

PRACTICES
The following practices are prohibited within tree protection zones:
a) Storage of construction materials, debris or excavated material.
b) Parking vehicles or equipment
c) Foot traffic
d) Erection of sheds or structures
e) Impoundment of water or excessive wetting
f) Spillage of noxious material while mixing, placing or storing construction materials
g) Excavation or other digging unless otherwise indicated on construction documents
h) Compaction of soil
i) Fill in excess of three inches in tree protection zones unless indicated on construction documents
j) Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated
k) Do not direct vehicle or equipment exhaust toward tree protection zones
l) Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones and organic mulch.

MATERIALS
1. Fencing to be orange construction fencing, 4' height with stakes spaced a maximum of 6' on center
2. Stakes to be 6' steel with flares

FELLED TREE RECLAMATION
1. Maple and Ash trunk and large branch sections of 12" to 18"+ diameter to be reclaimed and used on-site for outdoor classrooms.
2. Reclaim 30 lineal feet of whole trunk or branch sections, approximately 12" to 18" diameter, in 6' mimimum to 8' lengths and approximately 6 24-36" diameter sections in 18" lengths.
3. Reclaim additional sections as requested by School/Project Representative.
4. Reclaimed sections to be free of rot, disease, insect infestation, or other damage.
5. Bark shall be stripped from all reclaimed sections at time of removal.
6. All Ash debris and bark to be disposed of in accordance with current Emerald Ash Borer prevention methods as per Wisconsin Dept. of Agriculture recommendations and ash wood transport, utilization, and disposal regulations.
7. Cut sections with sharp saw for clean, level cuts. Leave no sharp or jagged edges.
8. Remove protruding branches or stubs flush with trunk/branch.
9. Stock pile reclaimed wood on site. Coordinate location with Project Representative.
10. Lay trunk sections on stringers to prevent contact with earth over dry, stable ground in sunny location to season. Keep sections a minimum of 3" above earth for proper air circulation.
11. Final placement and use to be determined. Coordinate with School and Project Representative.

TREE REMOVAL, RECLAMATION AND PROTECTION

MMSD- HAWTHORNE ELEMENTARY
3344 CONCORD AVE~ MADISON, WI
EXISTING LANDSCAPE INVENTORY

ZDA OUTDOOR CREATIVE
4797 Capitol View Rd
Middleton, WI 53562
608.831.5098 tel
608.831.9075 fax

DWN BY:SGZ/JAV
DATE: 08-11-2015
REV(S):

SCALE: 1"=30'
0 15 30 FT

SHEET ___ OF ___
L-1.0

pra
PLUNKETT RAYSICH ARCHITECTS, LLP
249 south water street milwaukee, wisconsin 53204 414 359 3860
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Madison Metropolitan School District
Hawthorne Elementary School - 3rd Addition & Interior Renovation
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Revisions:

Drawn By: ZDA, inc.

Date: 08-25-2015

Job No.: 140248-04

Sheet No.: L-1.0

PLANTING SCHEDULE

Overstory Trees

Symbol	Qty	Size	Root Cond	Latin Name	Common Name	Comments
Gy	2	2.5"	B&B	*Gymnocladus dioica*	Kentucky Coffeetree	
Gb	1	2.5"-3"	B&B	*Ginkgo biloba 'Magyar'*	Magyar Ginkgo	
Qm	2	2.5"-3"	B&B	*Quercus meuhlenbergii*	Chinkapin Oak	
Qr	3	2.5"-3	B&B	*Quercus rubra*	Red Oak	
Tc	5	2.5"-3"	B&B	*Tilia cordata 'Greenspire'*	Greenspire Linden	
Up	3	2.5"-3"	B&B	*Ulmus pumila x japonica x wilsoniana*	Triumph Elm	

Ornamental Trees

Symbol	Qty	Size	Root Cond	Latin Name	Common Name	Comments
Cm	6	2"	B&B	*Cornus mas*	*Corneliancherry Dogwood*	*Single Stem*

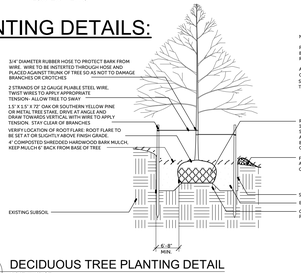
Evergreen Trees

Symbol	Qty	Size	Root Cond	Latin Name	Common Name	Comments
La	3	6-7'	B&B	*Larix lancina*	Tamarack	

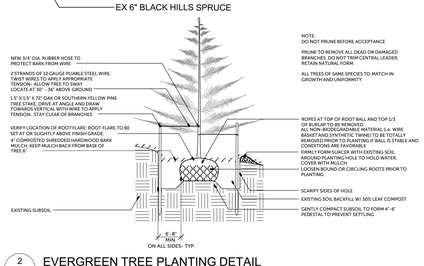
TRANSPLANTING SCHEDULE

Symbol	Qty	Size	Root Cond	Latin Name	Common Name	Comments
TP-1	2	10"	--	*Acer ginnala*	*Amur Maple*	*Healthy*
TP-2	1	4"	--	*Acer s.*	*Maple*	*Healthy*

PLANTING DETAILS:



1 L-2.0 DECIDUOUS TREE PLANTING DETAIL
1/4" = 1'-0"



2 L-2.0 EVERGREEN TREE PLANTING DETAIL
1/4" = 1'-0"

FIELD NOTES:

ALL DIMENSIONS AND LAYOUT TO BE SCALED OFF OF PLAN UNLESS OTHERWISE NOTED.

INSPECTIONS
Plants are to be inspected on delivery to the project site, and the Landscape Architect or Project Representative may reject any specimens no longer meeting the specified standards or that have been damaged in transit.

DELIVERY, STORAGE AND HANDLING
All plants shall be labeled by plant name and size. Labels shall be attached securely to all plants, bundles, and containers of plant materials when delivered.

MATERIALS
Topsoil: Naturally fertile, agricultural soil, capable of sustaining vigorous growth. Must be of uniform composition throughout without admixtures of subsoil and free of clay, stones larger than 1/2" in diameter, roots, trash, plastic, glass and debris of any kind. Topsoil to be loamy sandy loam' as per soil texture triangle and to be in natural, friable state at all times. No screened or processed topsoil shall be accepted.

Compost: Compost shall be coarse well composted leaf compost or similar as approved by Landscape Architect or Project Representative free of roots, trash, plastic, glass, debris of any kind, weeds and seeds.

Planting Mixture: Planting mixture shall be two-parts topsoil and one-part compost mixed on site and approved by Landscape Architect or Project Representative.

Fertilizer: All plants shall receive granular, slow-release Osmocote' or equivalent fertilizer as per manufacturer's specifications at time of planting along with a quick release root stimulant product such as North Country Organics Stress-X' or equivalent.

Mulch: Twice shredded, aged hardwood bark, free of material detrimental to healthy plant growth.

A) All applications of mulch to trees to be 4" thick and a minimum of 3' radius from trunk of tree. All mulch to be kept back a minimum of 6" from tree trunk.

B) Bark mulch plant bed to be 6" minimum thickness with Preen or equivalent pre-emergent.

PLANTING OF TREES AND SHRUBS
When pit is approximately two-thirds backfilled water thoroughly to eliminate air pockets. After initial watering, add remainder of backfill soil to the top of pit, water without puddling, and gently tamp. Do not compact. Form a 3" (5.1 - 7.6 cm) high water saucer around the outer rim of the pit prior to mulching. See planting details 1 and 2/L-2.0

MMSD- HAWTHORNE ELEMENTARY
3344 CONCORD AVE~ MADISON, WI
PLANTING PLAN

ZDA EUTDOOR CREATIVE
4797 Capitol View Rd Middleton, WI 53562
608 831.5098 tel
608 831.9071 fax

DWN BY:SGZ/JAV
DATE: 08-05-2015
REV(S):

SCALE: 1"=30'
0 15 30 FT

SHEET ___ OF ___
L-2.0

pra PLUNKETT RAYSICH ARCHITECTS, LLP
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Madison Metropolitan School District
Hawthorne Elementary School - 3rd Addition & Interior Renovation
3344 Concord Ave, Madison, WI 53714

Revisions:

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Date: 08-25-2015
Job No.: 140248-04
Sheet No.: L-2.0

PLUNKETT RAYSICH ARCHITECTS, LLP

MADISON METROPOLITAN SCHOOL DISTRICT
Madison, Wisconsin

Hawthorne Elementarty School

August 25, 2015

Perspective of Addition

EXTERIOR FINISH PATTERNS

- BRICK 1
- BRICK 2
- SIDING

EXTERIOR ELEVATIONS - GENERAL NOTES

A. PAINT ALL EXPOSED STEEL LINTELS TO MATCH ADJACENT MASONRY COLOR

B. TRIM ALL EXTERIOR LIGHTING FIXTURES, OUTLETS, HOSE BIBBS AND ALL OTHER SIDING PENETRATIONS WITH 1X4 FIBER CEMENT TRIM (TYP.)

C. REFER TO SHEET A900 FOR WINDOW FRAME ELEVATIONS

D. SEALANT COLORS TO MATCH ADJACENT FINISHED SURFACES.

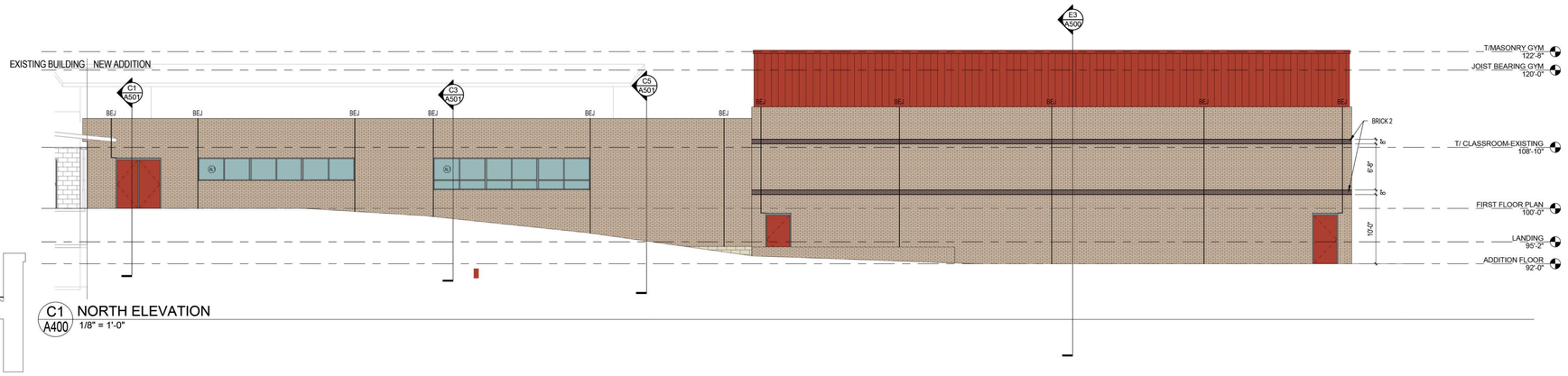
E. FIBER CEMENT COLOR TO BE REDWOOD STAIN.

NOTE #	EXTERIOR ELEVATION NOTE
400	6' X 3' FUTURE PHOTOVOLTAIC PANEL BY OWNER

KEYNOTE LEGEND - CONSTRUCTION TYPES	
TAG	CONSTRUCTION DESCRIPTION

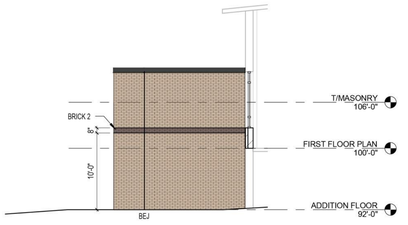
ADDITION

B1 A400 SOUTH ELEVATION
1/8" = 1'-0"



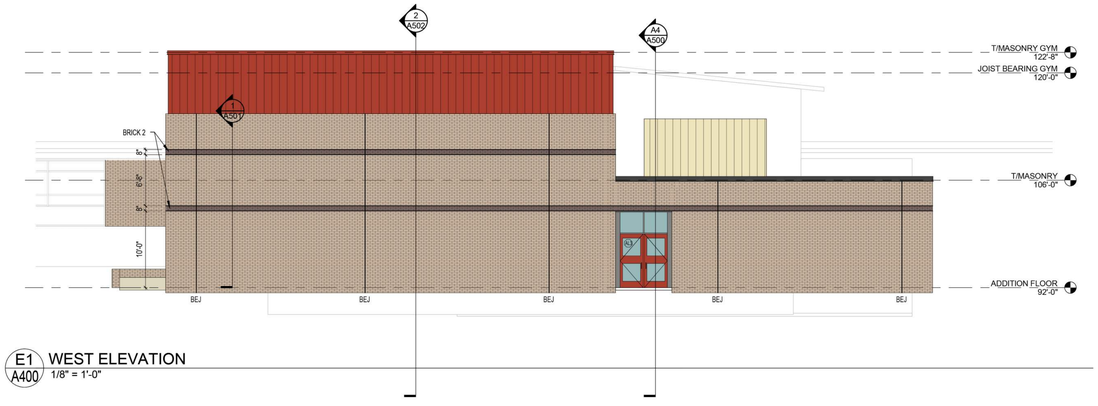
ADDITION

C1 A400 NORTH ELEVATION
1/8" = 1'-0"



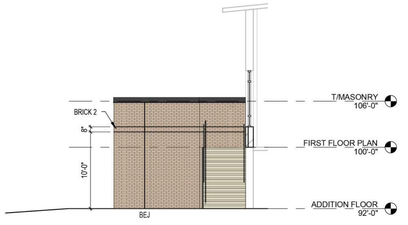
ADDITION

C6 A400 PARTIAL EAST ELEVATION - ALTERNATE BID 1
1/8" = 1'-0"



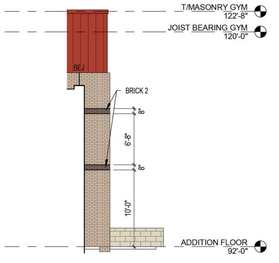
ADDITION

E1 A400 WEST ELEVATION
1/8" = 1'-0"



ADDITION

E5 A400 PARTIAL EAST ELEVATION 1
1/8" = 1'-0"



ADDITION

E6 A400 PARTIAL EAST ELEVATION 2
1/8" = 1'-0"

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Hawthorne Middle School - 3rd Addition & Interior Renovation
3344 Concord Ave, Madison, WI 53714

Revisions

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Date: 07-31-2015

Job No.: 140248-04

Sheet No.: A400

8/10/2015 12:38:36 PM C:\PRA RAC\Local Project Files\140248-04_Hawthorne Elementary_v15_central_mcabaj.rvt

ALL FIXTURES SHALL BE CONNECTED TO PANEL 'P5'. REFER TO SHEET EP201 FOR LOCATION.

KEYNOTES: (#)

1. SWITCHES ARE TAGGED IN PAIRS FOR MULTILEVEL SWITCHING. SWITCHES SHALL SWITCH FIXTURES AS TAGGED. DAYLIGHT SENSOR SHALL CONTROL ONE SWITCH OF SWITCH LEG 'C'. OCCUPANCY SENSOR(S) SHALL OVERRIDE ALL OFF.
2. NEW SWITCHES SHALL BE INSTALLED IN EXISTING OPENING
3. LIGHT SENSOR SHALL REDUCE LIGHT LEVEL BY 50% OF THE FIXTURES INDICATED WITH THE SAME SUBSCRIPT.
4. INSTALL EXISTING FIXTURES IN NEW CEILING IN THE LOCATIONS INDICATED. RE-CONNECT TO EXISTING CIRCUIT MATCHING WIRE SIZES. MODIFY SWITCHING SCHEME AS SHOWN.
5. MOUNT SENSOR TO BOTTOM OF STRUCTURE. FIELD COORDINATE EXACT LOCATION.
6. SWITCHES ARE TAGGED IN PAIRS FOR MULTI-LEVEL SWITCHING. SWITCHES SHALL SWITCH FIXTURES AS TAGGED.
7. SOLAR TUBE CONNECTION. COORDINATE EXACT LOCATION. CONNECT SOLAR TUBE DIMMER POWER TO WALL SWITCH.
8. SWITCH FOR SOLAR TUBES PROVIDED BY OTHERS AND INSTALLED BY E.C.
9. EXISTING LIGHTS MOVED DUE TO WALL CHANGE. RECONNECT TO EXISTING LIGHTING CIRCUIT IN OFFICE 113A.
10. CONNECT TO EXISTING CORRIDOR CIRCUIT MATCHING WIRE SIZES.
11. CONNECT CIRCUIT TO PHOTOCELL MOUNTED ON ROOF.

NORTH

1 FIRST FLOOR PLAN - LIGHTING

1/8" = 1'-0"

KJW ENGINEERING CONSULTANTS
802 WEST BROADWAY, SUITE 312
MADISON, WISCONSIN 53713-1639
608.223.9600 FAX: 608.223.9601
www.kjww.com
PROJECT # 15.0464.04

REFERENCE SCALE IN INCHES
0 1 2 3

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Revisions

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Sheet No.: 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.

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.

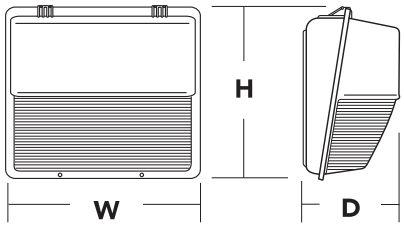
Specifications

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)



Ordering Information

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

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

TWPWG U Wire guard accessory [7]

NOTES

1. 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).
2. Not available with 10C option.
3. Must specify voltage; not available with MVOLT or 480 voltage options.
4. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
5. See the electrical section on page 2 for more details.
6. Also available as a separate accessory; see Accessories information at left.
7. Requires field modification (only when ordered as a separate accessory).

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com

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 (4000 K, 70 CRI)					50K (5000 K, 65 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	700	10C 700 --K	26 W	T3M	1,478	0	3	2	57	1,614	0	3	2	62
20C (20 LEDs)	700	20C 700 --K	45 W	T3M	2,877	0	3	3	64	3,149	0	3	3	70
30C (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

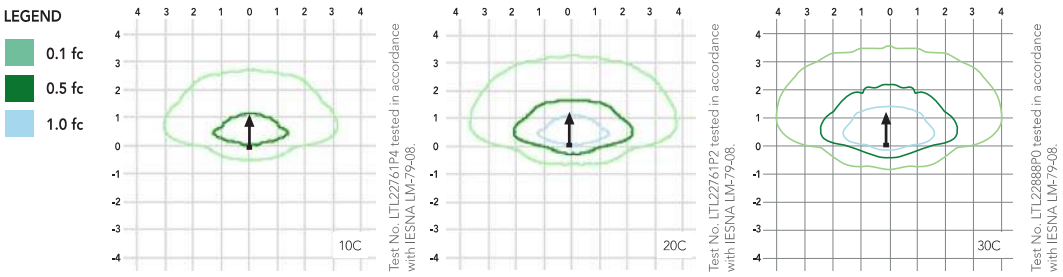
Electrical Load

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 condulet 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.

EM3

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

$84.99

SKU: E-XML4CWZ

Quantity 1

ADD TO CART

ADD TO QUOTE

OUT OF STOCK
Available 5/25/2015

RATINGS

WRITE A REVIEW

ASK A QUESTION

OVERVIEW

Wet-listed, cold location LED emergency light in dark bronze with input of 120V or 277V

FEATURES

- Die-cast aluminum housing with durable powder-coated finish
- Polycarbonate prismatic refractor
- Charge/power on indicator LED
- Push-to-test
- Sealed, 4.8V maintenance-free nickel cadmium battery provides up to 90 minutes of emergency operation
- Battery recharges within 24 hours via internal solid-state, two-rate charger
- Includes back plate for wall mount. Universal knockout pattern on back plate provides for easy installation over most standard junction boxes
- Fully gasketed
- Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA codes
- 5-year limited warranty on housing and electronics

APPLICATIONS

For general purpose exit identification in indoor commercial, retail, or industrial applications.