1. Village Board Regular Meeting Agenda

Documents:

03.23.2020 VB AGENDA.PDF

1.I. Village Board Regular Meeting Agenda Packet

Documents:

03.23.2020 VB AGENDA PACKET.PDF

Village of Cross Plains Board of Trustee Meeting

Regular Meeting Notice and Agenda

Rosemary Garfoot Public Library Community Room
2107 Julius St
Cross Plains, WI 53528
(608) 798-3241

Monday, March 23, 2020
6:00 pm

I. Call to Order, Roll Call, and Pledge of Allegiance

II. Public Comment – This is an opportunity for anyone to address the Village Board on any issue NOT on the current agenda. *Please observe the time limit of 3 minutes.* While the Village Board encourages input from residents, it may not discuss or act on any issue that is not duly noticed on the agenda.

III. Consent Agenda – Upon request of any Trustee, any item may be removed from the Consent Agenda for separate consideration under General Business.

1. Minutes of regular meeting held on February 24, 2020, March 5, 2020, and March 17, 2020.

2. Total Disbursements from 02/22/2020 through 03/12/2020 in the amount of $1,433,264.23 as follows:

   - 110 – General Fund: $1,154,221.66
   - 120 – Capital Fund: $51.00
   - 130 – Library Fund: $3,463.34
   - 140 – Parks/Rec Fund: $3,398.50
   - 150 – Debt Service Fund: $241,129.17
   - 310 – TID Fund: $21,060.90
   - 660 – Water Fund: $6,186.19
   - 670 – Sewer Fund: $3,753.47

3. Approval of Operator's (Bartender's) License for Dylan J. Hormig and Cory D. Ball.

4. Approval of Cross Plains Home Talent Temporary Class "B" License Application submitted by Stan Nonn.

5. Approval of the Special Event Permit Application for Cross Plains Trout Days, April 30, 2020 - May 3, 2020.

6. Approval of the Special Event Permit Application for Riversmith Casting Clinic, May 16, 2020.

7. Approval of the 2019 Annual MS4 Report.

IV. Report of Village Officers

1. Village President

2. Village Vice President

3. Village Administrator/Clerk

4. Miscellaneous Trustee Reports

V. General Business

1. Discussion and Possible Action Regarding the request for a Conditional Use Permit to construct an addition to Park Elementary School located at 1902 Park Street, Cross Plains, WI.

2. Discussion and Possible Action Regarding Glacial Valley Park Playground.

3. Discussion and Possible Action Regarding Amendments to the Employee Manual.

4. Discussion and Possible Action Regarding the Village of Cross Plains Continuity of Operations Plan.

VI. Closed Session

1. The Village Board will meet in Closed Session pursuant to 19.85(1)(g) of Wisconsin Statutes, "Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session." – Acquiring Property for Flood Mitigation.

    A. Reconvene into Open Session pursuant to 19.85(2) of Wisconsin Statutes.

    B. Possible Action Regarding Property Acquisition.

VII. Adjournment

This meeting notice constitutes an official meeting of the above referenced group and was posted in accordance with all applicable laws related Open Meetings Law. It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals. For additional information or to request this service, contact the Village Hall at (608) 798-3241 or bchang@cross-plains.wi.us.

Village of Cross Plains Board of Trustee Meeting

Regular Meeting Notice and Agenda

Rosemary Garfoot Public Library Community Room
2107 Julius St
Cross Plains, WI 53528
(608) 798-3241

Monday, March 23, 2020
6:00 pm

I. Call to Order, Roll Call, and Pledge of Allegiance

II. Public Comment – This is an opportunity for anyone to address the Village Board on any issue NOT on the current agenda. *Please observe the time limit of 3 minutes.* While the Village Board encourages input from residents, it may not discuss or act on any issue that is not duly noticed on the agenda.

III. Consent Agenda – Upon request of any Trustee, any item may be removed from the Consent Agenda for separate consideration under General Business.

1. Minutes of regular meeting held on February 24, 2020, March 5, 2020, and March 17, 2020. p. 5-14

2. Total Disbursements from 02/22/2020 through 03/12/2020 in the amount of $1,433,264.23 as follows: p.15-23

   - 110 – General Fund: $1,154,221.66
   - 120 – Capital Fund: $51.00
   - 130 – Library Fund: $3,463.34
   - 140 – Parks/Rec Fund: $3,398.50
   - 150 – Debt Service Fund: $241,129.17
   - 310 – TID Fund: $21,060.90
   - 660 – Water Fund: $6,186.19
   - 670 – Sewer Fund: $3,753.47

3. Approval of Operator's (Bartender's) License for Dylan J. Hormig and Cory D. Ball. p. 24-31

4. Approval of Cross Plains Home Talent Temporary Class "B" License Application submitted by Stan Nonn. p.32-35

5. Approval of the Special Event Permit Application for Cross Plains Trout Days, April 30, 2020 - May 3, 2020. p. 36-39

6. Approval of the Special Event Permit Application for Riversmith Casting Clinic, May 16, 2020. p. 40-42

7. Approval of the 2019 Annual MS4 Report. p. 43-61

IV. Report of Village Officers

1. Village President

2. Village Vice President

3. Village Administrator/Clerk

4. Miscellaneous Trustee Reports

V. General Business

1. Discussion and Possible Action Regarding the request for a Conditional Use Permit to construct an addition to Park Elementary School located at 1902 Park Street, Cross Plains, WI. p. 61-116

2. Discussion and Possible Action Regarding Glacial Valley Park Playground. p. 117-118

3. Discussion and Possible Action Regarding Amendments to the Employee Manual. p.119-123

4. Discussion and Possible Action Regarding the Village of Cross Plains Continuity of Operations Plan.

VI. Closed Session

1. The Village Board will meet in Closed Session pursuant to 19.85(1)(g) of Wisconsin Statutes, "Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session." – Acquiring Property for Flood Mitigation.

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    B. Possible Action Regarding Property Acquisition.

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Village of Cross Plains
PO Box 97, 2417 Brewery Road
Cross Plains, WI 53528
Phone: (608) 798-3241 ext. 107
Fax: (608) 798-3817

Memorandum

To: Village Board of Trustees
From: Bill Chang, Village Administrator/Clerk
Date: March 20, 2020
Re: Village Board Meeting – **March 23, 2020; 6:30 pm**

III. **Consent Agenda** – Upon request of any Trustee, any item may be removed from the Consent Agenda for separate consideration under General Business.

1. **Minutes of regular meeting held on February 24, 2020, March 5, 2020, and March 17, 2020.**

2. **Total Disbursements from 02/22/2020 through 03/12/2020 in the amount of $1,433,264.23 as follows:**

   - **110 – General Fund: $1,154,221.66**
   - **120 – Capital Fund: $51.00**
   - **130 – Library Fund: $3,463.34**
   - **140 – Parks/Rec Fund: $3,398.50**
   - **150 – Debt Service Fund: $241,129.17**
   - **310 – TID Fund: $21,060.90**
   - **660 – Water Fund: $6,186.19**
   - **670 – Sewer Fund: $3,753.47**

3. **Approval of Operator's (Bartender's) License for Dylan J. Hormig and Cory D. Ball.**

4. **Approval of Cross Plains Home Talent Temporary Class "B" License Application submitted by Stan Nonn.**

5. **Approval of the Special Event Permit Application for Cross Plains Trout Days, April 30, 2020 - May 3, 2020.**

6. **Approval of the Special Event Permit Application for Riversmith Casting Clinic, May 16, 2020.**

7. **Approval of the 2019 Annual MS4 Report. – For Approval.**
   The Village has had a Municipal Separate Storm Sewer System (MS4) permit since 2015, as required by DNR rules for communities larger than (or adjacent to) 10,000 population and those near sensitive receiving waters. Cross Plains' proximity to both Black Earth Creek and Middleton/Madison meet that criteria. While the permit does not require actual testing of the Village's stormwater discharge into the Creek, it does require maintaining a sophisticated computer model of land uses and existing Best Management Practices (BMPs) like ponds, infiltration beds, and drainage swales to show that sediment is sufficiently removed from

runoff. In addition, there are many record-keeping requirements to document things like salt use, street sweeping performance, brush/leaf pickup, and community engagement/education efforts.

Similar to the CMAR report for the sanitary sewer discharge permit, the Village submits an annual report showing their efforts over the past year. This 2019 version is very similar to the previous annual reports, and has typically been presented at the March Board meeting. Once approved, we will submit it to DNR by the March 31 deadline.

II. General Business

1. **Discussion and Possible Action Regarding the request for a Conditional Use Permit to construct an addition to Park Elementary School located at 1902 Park Street, Cross Plains, WI**. – For Approval. Please see the memorandum and support documents attached.

2. **Discussion and Possible Action Regarding Glacial Valley Park Playground.** – For Approval. Please see the memorandum attached.

3. **Discussion and Possible Action Regarding Amendments to the Employee Manual.** – For Approval. Staff sent a revised draft with suggested changes to the Village attorney for review. The redline draft from the attorney is provided. The final draft is being submitted for approval.

4. **Discussion and Possible Action Regarding the Village of Cross Plains Continuity of Operations Plan. –** For Approval. Due to the sensitive nature of the content, a copy of the plan will be sent to the Village Board separately.

Village Board

Regular Meeting Minutes

Village of Cross Plains
2417 Brewery Road, PO Box 97
Cross Plains, WI 53528
(608) 798-3241

Monday, February 24, 2020
6:00 pm

I. Call to Order, Roll Call, and Pledge of Allegiance

President Lengfeld called the Village Board meeting to order at 6:00 p.m.

Present: Trustees Bill Brosius, Lori Zander, Sarah Francois, Kevin Thusius, Lee Sorensen, Judy Ketelboeter, and President Jay Lengfeld.

Also, Present: Village Administrator/Clerk Bill Chang, Police Chief Tony Ruesga, Public Facilities Director Jerry Gray, Village Attorney Paul Johnson, Deb Cutler, Pam Born, Janet Gray, Barbara Wollmer, Dave Statz, Tim Henneman, Vicki Fohl, Douglas Longmore, Jennifer Bonti, Terra Morris, Melissa Gavin, Jay G., David Wiens, Sarah Borchardt, Jason Needham, Michael Pomykalski, and Seth Johnson, Kyo Ladopoulos Cameron Bjorklund.

II. Public Comment –

Deb Cutler, 2840 Thinnes St., requested that the Village review past investments to assess if past investments in public infrastructure and projects prior to investing on future projects.

Jennifer Bonti, 2710 S. Elmwood Cir. E., stated her concern of the Village Board passing an ATV/UTV ordinance at the March meeting since it will be spring break for some and further stating that there have been 175 tax paying residents that have signed a petition against such allowing ATV/UTV road routes.

Mike Wollmer, 7029 Laufenberg Blvd., restated his opposition ATV/UTV road routes. He also made mention of the conduct of Village Board meetings and how they are handled, stating that the Village's process under Chapter 2 of the Village municipal code is being violated.

Dave Statz, 3080 St. Francis St., voiced is opinion in favor of ATV/UTV road routes within the village. He further stated that most supporters are firemen and volunteers and that they are passionate members of the community and would self-police.

Douglas Longmore, 223 Mill St., expressed his concern about ATV/UTV use on Village Streets due to sharing the road with other modes of transportation and children. He stated that he has only known about this issue for a few weeks and that he is not opposed to ATV/UTVs but is against the use of ATV/UTV on public streets.

Tim Henneman, 4861 Brewery Rd., Thanked the Village and Police Department for responding to an incident involving a child in a locked vehicle even though it was in the township.

III. **Consent Agenda** – Upon request of any Trustee, any item may be removed from the Consent Agenda for separate consideration under General Business.

There was a request from President Lengfeld to remove item #3 and a request from Trustee Brosius to remove item #5 from the Consent Agenda to the end of General Business. A motion was made by Trustee Brosius, seconded by the Trustee Sorensen, and unanimously carried by the Village Board, to approve the consent agenda as amended.

1. **Minutes of regular meeting held on January 27, 2020.**

2. **Total Disbursements from 01/24/2020 through 02/19/2020 in the amount of $901,674.99 as follows:**

   - **110 – General Fund: $145,875.18**
   - **120 – Capital Fund: $2,665.02**
   - **130 – Library Fund: $8,826.04**
   - **140 – Parks/Rec Fund: $7,234.51**
   - **150 – Debt Service Fund: $257,836.25**
   - **310 – TID Fund: $423,952.50**
   - **660 – Water Fund: $20,703.31**
   - **670 – Sewer Fund: $34,582.18**

3. **Approval of the Dane County Bridge Inspection Agreement.**

4. **Approval of Resolution No. 01-2020 to seek Grant Funds from the WIDNR Municipal Flood Control Program.**

IV. **Report of Village Officers**

1. **Village President**
   a. President Lengfeld announced that he is currently working on confirming appointments board, commissions, and committees. He asked that the Village Board confirm the interest of members to serve in their respective committees.
   b. President Lengfeld reported that he, Village Administrator/Clerk Chang, and others met with representatives from USEDA to discuss flood mitigation funding of up to $1.5 million.

2. **Village Vice President**
   a. Trustee Ketelboeter stated that the Chamber is assisting the Village in planning its 100 years celebration and a part of this is the Memorial Day BBQ and that volunteers are needed.

3. **Village Administrator/Clerk**
    a. Chang reported that there were 504 voters that turned out for the Spring Primary Election.
    b. The Capital Area Regional Planning Commission's public hearing date for the Village's Urban Service Area Amendment application on March 12th has been cancelled and will look to reschedule to April 9th upon confirmation from the developer.

4. **Miscellaneous Trustee Reports**
    a. Trustee Francois reported that Jed Henry has confirmed that he would like to be reappointed to the Park and Recreation Committee.
    b. Trustee Zander reported that the Public Safety Committee met on the ATV/UTV road routes and the committee took comment on the issue. The committee will hold another meeting on March 3 to discuss issue further to put together bullet points to present to the Village Board.
    c. Trustee Zander also reported that the Public Safety Committee will further review alternate side parking and report back to the Village Board.

V. General Business

1. **Discussion and Possible Action on the Assignment of the Development Agreement for Esser Place (1900 Mill Creek Parkway) to MGL Properties, LLC.**
   A motion was made by Trustee Thusius, seconded by Trustee Francois, and unanimously carried by the Village Board, to approve the Assignment of the Development Agreement for Esser Place (1900 Mill Creek Parkway) to MGL Properties, LLC.

2. **Discussion and Possible Action Regarding Resolution No. 02-2020: A Resolution for Action Related to Climate Change and Environmental Stewardship to Create a More Sustainable Village.**
   A motion was made by Trustee Francois, seconded by Trustee Thusius, and unanimously carried by the Village Board, to approve Resolution No. 02-2020: A Resolution for Action Related to Climate Change and Environmental Stewardship to Create a More Sustainable Village.

3. **Discussion and Possible Action to Request the Multi-Jurisdictional Transfer of Brewery Road from the Town of Berry.**
   A motion was made by Trustee Thusius and seconded by Trustee Ketelboeter, to allow for staff to operate outside of the Sundance Pre-annexation agreement in order to discuss a boundary agreement with the Town of Berry for Brewery Road. Roll call vote

requested. YES – Trustees Brosius, Zander, Thusius, Sorensen, and Ketelboeter. NO – Trustee Francois and President Lengfeld. Motion carried 5-2.

4. **Discussion and Possible Action Regarding right turn no stop at Brewery Rd and Thinnes St.**
   A motion was mad by Trustee Brosius, seconded by Trustee Sorensen, and unanimously carried by the Village Board, to approve the removal of the right turn no stop sign at Brewery Rd and Thinnes St.

5. **Discussion regarding future Village Board Meetings.**
   There was no action take to change future Village Board meetings.

6. **Tax Increment Financing 101 Presentation.**
   Finance Director Bobbi Zauner gave a presentation on Tax Increment Financing.

7. **Transmittal of the 2019 Preliminary Annual Financial Report.**
   The 2019 Preliminary Annual Financial Report was transmitted to the Village Board.

8. **Approval of the 2020 Employee Merit Pay Plan.**
   After discussion, a motion was made by Trustee Thusius, seconded by Trustee Brosius, and unanimously carried by the Village Board, to approve the 2020 Employee Merit Pay Plan as presented.

9. **Appointment of the Village Administrator/Clerk to the Gateway to the Driftless Area Board.**
   After discussion, a motion was made by Trustee Brosius, seconded by Trustee Zander, to appoint the Village Administrator/Clerk to the Gateway to the Driftless Area Board.

VI. Closed Session

1. **The Village Board will meet in Closed Session pursuant to 19.85(1)(c) of the Wisconsin Statutes to consider employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility, specifically regarding the 2019 Performance Evaluation of the Village Administrator/Clerk.**
   A motion was made by Trustee Brosius, seconded by Trustee Sorensen to meet in Closed Session pursuant to 19.85(1)(c) of the Wisconsin Statutes to consider employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility, specifically regarding the 2019 Performance Evaluation of the Village Administrator/Clerk. Roll call vote requested. YES – Trustees Brosius, Zander, Francois,

Thusius, Sorensen, and Ketelboeter, and President Lengfeld. NO – None. Motion carried 7-0.

2. **Reconvene into Open Session pursuant to 19.85(2) of Wisconsin Statutes.**
   A motion was made by Trustee Brosius, seconded by Trustee Sorensen, and unanimously carried by the Village Board, to reconvene into Open Session pursuant to 19.85(2) of Wisconsin Statutes.

3. **Discussion and Possible Action Regarding the 2019 Performance Evaluation of the Village Administrator/Clerk.**
   A motion was made by Trustee Brosius, seconded by Trustee Thusius, and unanimously carried by the Village Board, to assign President Lengfeld and Trustee Ketelboeter to interview department heads and schedule a future meeting with the Village Administrator/Clerk to discuss the evaluation and feedback.

VII. <u>Adjournment</u>

A motion was made by Trustee Ketelboeter, second by Trustee Sorensen, and unanimously carried by the Village Board, to adjourn. Meeting ended at 9:16 p.m.

Proper notice of this meeting was given to the public and posted on the public bulletin boards in accordance with the Open Meeting Law.

Respectfully submitted,

_____

Bill Chang
Village Administrator/Clerk

Village Board

Special Meeting Minutes

Village of Cross Plains
2417 Brewery Road, PO Box 97
Cross Plains, WI 53528
(608) 798-3241

Thursday, March 5, 2020
5:30 pm

I. Call to Order, Roll Call, and Pledge of Allegiance

President Lengfeld called the Village Board meeting to order at 5:30 p.m.

Present: Trustees Bill Brosius, Lori Zander, Lee Sorensen, Judy Ketelboeter, and President Jay Lengfeld. Kevin Thusius (arrived at 5:32 pm).

Also, Present: Village Administrator/Clerk Bill Chang, Police Chief Tony Ruesga, and Jason Needam.

President Lengfeld announced the suspension of Robert's Rules of Order.

II. Public Comment –

There were no public comments.

III. General Business

1. **Discussion and Possible Action Regarding the Assignment for the Zander Place Developer's Agreement.**
   A motion was made by Trustee Ketelboeter, seconded by Trustee Sorensen, and unanimously carried by the Village Board to approve the Assignment for the Zander Place Developer's Agreement.

2. **Discussion and Possible Action Regarding the Temporary Limited Easement for Zander Place (Document No. 5179739).**
   A motion was made by Trustee Sorenson, seconded by Trustee Zander, and unanimously carried by the Village Board, to approve an agreement to release the Temporary Limited Easement for Zander Place (Document No.

5179739).

3. **Discussion and Possible Action Regarding Amending the Environmental Corridor.**
   A motion was made by Trustee Thusius, seconded by Trustee Sorensen, to allow Bill Chang, as the current Village Administrator/Clerk to request for minor amendments to the Environmental Corridor and Urban Service Area as defined by the Capital Area Regional Planning Commission.

IV. <u>Adjournment</u>

A motion was made by Trustee Ketelboeter, second by Trustee Thusius, and unanimously carried by the Village Board, to adjourn. Meeting ended at 6:04 p.m.

Proper notice of this meeting was given to the public and posted on the public bulletin boards in accordance with the Open Meeting Law.

Respectfully submitted,

_____

Bill Chang
Village Administrator/Clerk

Village Board

Special Meeting Minutes

Village of Cross Plains
2417 Brewery Road, PO Box 97
Cross Plains, WI 53528
(608) 798-3241

Tuesday, March 17, 2020
6:30 pm

I. Call to Order, Roll Call, and Pledge of Allegiance

President Lengfeld called the Village Board meeting to order at 6:30 p.m.

Present: Trustees Bill Brosius, Lori Zander, Sarah Francois, Kevin Thusius, Lee Sorensen, Judy Ketelboeter, and President Jay Lengfeld.

Also, Present: Village Administrator/Clerk Bill Chang, Mike Wollmer, and Tim Hillebrand.

President Lengfeld announced the suspension of Robert's Rules of Order.

II. Public Comment –

Mike Wollmer, 7029 Laufenberg Blvd., asked that the Village Board to consider keeping Robert's Rules of Order, noting that it does truly make meeting efficient.

III. Report of Village Officers

1. **Village President**
   a. President Lengfeld stated that it has been a busy week and that he is participating in conference calls regarding the pandemic and how other municipalities are dealing with the emergency declarations. The League of Wisconsin Municipalities opined that government meetings are exempt from the 10-person limit and that currently elections are a big topic of concern.
2. **Village Vice President**
   a. Trustee Ketelboeter stated that the Chamber of Commerce's annual dinner at the Hilltop has been canceled.
3. **Village Administrator/Clerk**
   a. Chang reported that the lawsuit involving 1861 Ludden Drive has resolved and that an Order for Dismissal has been approved.

b. Chang ordered the Local Government 101 Handbook and DVD for Wisconsin Municipal Officials, which is available for elected officials to review if desired.

4. Miscellaneous Trustee Reports

a. Trustee Francois reported that the Park and Recreation Committee was cancelled due to not having a quorum. She stated that Mike Axon, Parks and Recreation Director will provide information regarding Glacial Valley Park Playground for Village Board approval.
b. Trustee Thusius thanked Village Administrator/Clerk Chang and President Lengfeld for the continued efforts during this time of hardship.
c. Trustee Brosius reported that the Library Board will be closing the public library and passed a pandemic emergency plan.

IV. General Business

1. Discussion and Possible Action on the Village's Response to COVID-19.

a. Chang provided and update on the state of the Village and response to COVID-19 and stated that he is updating the Village's website daily. The Village website is currently the best source for the most recent news from the Village.
b. Chang presented a draft adding emergency leave provisions to the Village's Employee Manual. A final draft will be presented at the next meeting.
c. Chang presented the Village's Continuity of Operations Plan to the Village Board noting that he is still waiting for information from some departments. This will be presented at the next meeting for approval.
d. Chang recommended that the Village Board declare a state of emergency for the following reasons:
   i. To communicate the seriousness of the issue and solidarity of messaging with the County, State, and Federal governments.
   ii. To have the ability to direct and allow for Village resources to respond to the pandemic.
   iii. To satisfy the prerequisite to request for disaster reimbursement from FEMA and WEM.

A motion was made by Trustee Ketelboeter and seconded by Trustee Sorensen, to approve the Resolution Declaring State of Emergency for the Village of Cross Plains in response to COVID-19. Roll call vote requested. YES – Trustees Zander, Francois, Thusius, Sorensen, Ketelboeter, Brosius, and President Lengfeld.

Motion carried 7-0.

V. Adjournment

A motion was made by Trustee Ketelboeter, second by Trustee Sorensen, and unanimously carried by the Village Board, to adjourn. Meeting ended at 8:30 p.m.

Proper notice of this meeting was given to the public and posted on the public bulletin boards in accordance with the Open Meeting Law.

Respectfully submitted,

_____

Bill Chang
Village Administrator/Clerk

Report Criteria:
Report type: GL detail
Check.Type = {<>} "Adjustment"

GL Period	Check Issue Date	Payee	Invoice Number	Invoice GL Account	Description	Invoice Amount	Check Amount	Check Number
48370								
02/20	02/21/2020	Rex Miller	2/20 BASKETB	140-55300-207-000	Basketball Ref	100.00	100.00	48370
Total 48370:							100.00	
48371								
02/20	02/24/2020	DANE COUNTY TREASURER	FEBRUARY SE	110-24310-000-000	MFL payment	5.95	5.95	48371
02/20	02/24/2020	DANE COUNTY TREASURER	FEBRUARY SE	110-24310-000-000	February tax settlement payment	234,333.82	234,333.82	48371
Total 48371:							234,339.77	
48372								
02/20	02/24/2020	Hayden Statz	JAN 2020	140-55300-207-000	Basketball Ref.	30.00	30.00	48372
Total 48372:							30.00	
48373								
02/20	02/24/2020	MADISON AREA TECHNICAL COLLEG	FEBRUARY SE	110-24700-000-000	February tax settlement	71,412.19	71,412.19	48373
Total 48373:							71,412.19	
48374								
02/20	02/24/2020	Middleton-Cross Plains Area School Distr	FEBRUARY SE	110-24600-000-000	February settlement payment	815,463.89	815,463.89	48374
Total 48374:							815,463.89	
48375								
02/20	02/25/2020	Duhr Investments, LLC	TAX REFUND S	310-51410-399-000	Refund - 2017	11,086.54	11,086.54	48375
02/20	02/25/2020	Duhr Investments, LLC	TAX REFUND S	310-51410-399-000	Refund - 2018	4,409.25	4,409.25	48375
02/20	02/25/2020	Duhr Investments, LLC	TAX REFUND S	310-51410-399-000	Refund - 2019	5,565.11	5,565.11	48375
Total 48375:							21,060.90	
48376								
03/20	03/02/2020	DANE COUNTY TREASURER	FEBRUARY 20	110-45110-000-000	Court Fines & Assessments	98.80	98.80	48376

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Payee	Invoice Number	Invoice GL Account	Description	Invoice Amount	Check Amount	Check Number
Total 48376:							98.80	
48377								
03/20	03/02/2020	State of Wis.-Court Fines & Surcharges	FEBRUARY 20	110-45110-000-000	Court Fines & Assessments	323.20	323.20	48377
Total 48377:							323.20	
48390								
03/20	03/05/2020	Agsource Cooperative Services	2020021211603	670-53610-207-000	WASTEWATER TESTING	647.00	647.00	48390
Total 48390:							647.00	
48391								
03/20	03/05/2020	Associated Appraisal Consultants Inc.	147048	110-51530-207-000	ASSESSOR SERVICES	788.92	788.92	48391
Total 48391:							788.92	
48392								
03/20	03/05/2020	BAKER & TAYLOR INC.	2035108276	130-55110-304-101	SUPPLIES BOOKS	1,071.22	1,071.22	48392
03/20	03/05/2020	BAKER & TAYLOR INC.	2035128171	130-55110-304-101	SUPPLIES BOOKS	298.32	298.32	48392
Total 48392:							1,369.54	
48393								
03/20	03/05/2020	Boardman & Clark LLP	216051	110-51410-208-000	LEGAL FEES - GENERAL	323.00	323.00	48393
03/20	03/05/2020	Boardman & Clark LLP	216051	110-51200-208-000	LEGAL FEES - MUNICIPAL COURT	75.00	75.00	48393
03/20	03/05/2020	Boardman & Clark LLP	216051	110-56400-207-101	LEGAL FEES - SUNDANCE	270.00	270.00	48393
03/20	03/05/2020	Boardman & Clark LLP	216051	120-57620-805-101	LEGAL FEES - ZANDER PARK TRAIL	51.00	51.00	48393
03/20	03/05/2020	Boardman & Clark LLP	216051	110-56400-207-101	LEGAL FEES - SCENIC VALLEY	357.00	357.00	48393
03/20	03/05/2020	Boardman & Clark LLP	216051	110-56400-207-101	LEGAL FEES - CREEKSIDE CROSSING	900.00	900.00	48393
03/20	03/05/2020	Boardman & Clark LLP	216051	110-56400-207-101	LEGAL FEES - CREEKSIDE CROSSING CARPC	270.00	270.00	48393
03/20	03/05/2020	Boardman & Clark LLP	216051	670-57410-804-000	LEGAL FEES - WWTP PERMIT	765.00	765.00	48393
Total 48393:							3,011.00	
48394								
03/20	03/05/2020	Boehnen Inc.	28813	660-53700-675-000	SERVICE REPAIR	780.00	780.00	48394

GL Period	Check Issue Date	Payee	Invoice Number	Invoice GL Account	Description	Invoice Amount	Check Amount	Check Number
Total 48394:							780.00	
48395								
03/20	03/05/2020	Bond Trust Services Corporation	54668	150-58000-601-000	2015A PRINCIPAL	125,000.00	125,000.00	48395
03/20	03/05/2020	Bond Trust Services Corporation	54668	150-58000-602-000	2015A INTEREST	8,662.50	8,662.50	48395
03/20	03/05/2020	Bond Trust Services Corporation	54669	150-58000-601-000	2019A PRINCIPAL	60,000.00	60,000.00	48395
03/20	03/05/2020	Bond Trust Services Corporation	54669	150-58000-602-000	2019A INTEREST	46,666.67	46,666.67	48395
03/20	03/05/2020	Bond Trust Services Corporation	54888	150-58000-207-000	PAYING AGENT FEE	400.00	400.00	48395
03/20	03/05/2020	Bond Trust Services Corporation	54889	150-58000-207-000	PAYING AGENT FEE	400.00	400.00	48395
Total 48395:							241,129.17	
48396								
03/20	03/05/2020	Charter Communications	001108022620	110-53300-203-000	INTERNET/TV - SHOP	201.84	201.84	48396
Total 48396:							201.84	
48397								
03/20	03/05/2020	Core & Main	L918654	660-53700-676-000	WATER METERS	646.37	646.37	48397
03/20	03/05/2020	Core & Main	L967674	660-53700-676-000	WATER METER	4,471.32	4,471.32	48397
Total 48397:							5,117.69	
48398								
03/20	03/05/2020	Cummins NPower LLC	F6-55975	670-53610-305-000	WWTP GENERATOR	269.63	269.63	48398
03/20	03/05/2020	Cummins NPower LLC	F6-55986	660-53700-633-200	WELL 2 GENERATOR	288.50	288.50	48398
Total 48398:							558.13	
48399								
03/20	03/05/2020	DANE COUNTY SHERIFFS OFFICE	CROSSPLAINS	110-51200-207-000	JAIL BOARD	724.05	724.05	48399
Total 48399:							724.05	
48400								
03/20	03/05/2020	DANE COUNTY TREASURER 2	37399	110-51510-304-000	TAX BILL ENVELOPES	29.96	29.96	48400

GL Period	Check Issue Date	Payee	Invoice Number	Invoice GL Account	Description	Invoice Amount	Check Amount	Check Number
Total 48400:							29.96	
48401								
03/20	03/05/2020	DEW SIGNS & ENGRAVING	14504	110-52100-206-000	SIGN	32.00	32.00	48401
Total 48401:							32.00	
48402								
03/20	03/05/2020	Embury LTD	126029	130-55110-301-000	EQUIPMENT	498.50	498.50	48402
Total 48402:							498.50	
48403								
03/20	03/05/2020	Environmental Consulting & Testing	3920	670-53610-207-000	CHRONIC WET	1,300.00	1,300.00	48403
Total 48403:							1,300.00	
48404								
03/20	03/05/2020	FIRST SUPPLY MADISON	-	670-53610-301-000	WWTP DECANT PUMP	425.00	425.00	48404
Total 48404:							425.00	
48405								
03/20	03/05/2020	General Communications	279902	110-53300-305-102	EQUIPMENT RADIOS	442.64	442.64	48405
Total 48405:							442.64	
48406								
03/20	03/05/2020	Grays, Inc.	36145	110-53300-305-101	CUTTING EDGES	317.00	317.00	48406
Total 48406:							317.00	
48407								
03/20	03/05/2020	Immaculate Cleaning, Inc.	8314	110-51600-207-000	CLEANING SERVICES	300.00	300.00	48407
Total 48407:							300.00	

GL Period	Check Issue Date	Payee	Invoice Number	Invoice GL Account	Description	Invoice Amount	Check Amount	Check Number
48408								
03/20	03/05/2020	Interstate All Battery Center	1905101014907	130-55110-301-000	EQUIPMENT	125.80	125.80	48408
	Total 48408:						125.80	
48409								
03/20	03/05/2020	KALSCHEUR IMPLEMENT CO.	IN51275A	110-53300-305-102	EQUIPMENT PARTS	531.63	531.63	48409
03/20	03/05/2020	KALSCHEUR IMPLEMENT CO.	RE01370	110-53300-301-000	BROOM RENTAL	85.00	85.00	48409
	Total 48409:						616.63	
48410								
03/20	03/05/2020	L.W. ALLEN, LLC	102176	670-53610-305-000	BATTERIES FOR CONTROL PANELS	271.84	271.84	48410
	Total 48410:						271.84	
48411								
03/20	03/05/2020	Middleton-Cross Plains School Dist.	1908-0157	140-55300-306-101	YOUTH BASKETBALL	84.00	84.00	48411
	Total 48411:						84.00	
48412								
03/20	03/05/2020	Midwest Alarm Services	316087	130-51600-305-000	MAINTENANCE	1,002.72	1,002.72	48412
	Total 48412:						1,002.72	
48413								
03/20	03/05/2020	MIDWEST TAPE	98663243	130-55110-304-104	SUPPLIES AUDIOVISUAL	124.97	124.97	48413
	Total 48413:						124.97	
48414								
03/20	03/05/2020	Midwest Trailer Sales	1101614-00	110-53300-305-101	TRUCK LIGHTS AND STRAPS	30.62	30.62	48414
	Total 48414:						30.62	
48415								
03/20	03/05/2020	Olson Toon Landscaping, Inc.	127880	110-53300-305-103	TREE REMOVAL - FLOOD CONTROL	10,760.00	10,760.00	48415
03/20	03/05/2020	Olson Toon Landscaping, Inc.	127888	110-53300-305-103	TREE REMOVAL - FLOOD CONTROL	5,700.00	5,700.00	48415

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Payee	Invoice Number	Invoice GL Account	Description	Invoice Amount	Check Amount	Check Number
Total 48415:							16,460.00	
48416								
03/20	03/05/2020	On My Own - Images By Ricki Bishop	2.20	130-55110-306-000	PROGRAMS	250.00	250.00	48416
Total 48416:							250.00	
48417								
03/20	03/05/2020	Peak Software Systems, Inc.	021573	140-55300-302-000	PEAK SOFTWARE - SPORTSMAN	2,764.50	2,764.50	48417
Total 48417:							2,764.50	
48418								
03/20	03/05/2020	R & R DOOR SERVICES L.L.C.	64860	110-53300-305-103	GARAGE DOOR REPAIR	851.20	851.20	48418
Total 48418:							851.20	
48419								
03/20	03/05/2020	Randal G. Briske	2.20	670-53610-301-000	REIMBURSEMENT FOR SAFETY SHOES	75.00	75.00	48419
Total 48419:							75.00	
48420								
03/20	03/05/2020	Ricoh Americas Corporation	33090125	110-51600-301-000	COPY MACHINE LEASE	211.96	211.96	48420
Total 48420:							211.96	
48421								
03/20	03/05/2020	Ricoh USA, Inc.	103320057	130-55110-301-000	EQUIPMENT	91.81	91.81	48421
Total 48421:							91.81	
48422								
03/20	03/05/2020	Terri Z. Buechner	2.20	140-55300-207-000	YOGA INSTRUCTOR	420.00	420.00	48422
Total 48422:							420.00	

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Payee	Invoice Number	Invoice GL Account	Description	Invoice Amount	Check Amount	Check Number
48423								
03/20	03/05/2020	Truck Country	X201625519:01	110-53300-305-101	TRUCK PARTS	30.83	30.83	48423
	Total 48423:						30.83	
48424								
03/20	03/05/2020	US CELLULAR	0357490297	110-52100-202-000	CELLULAR PHONE SERVICE	120.99	120.99	48424
	Total 48424:						120.99	
48425								
03/20	03/05/2020	Vandewalle & Associates, Inc.	202002015	110-56400-207-101	CURRENT PLANNING	1,525.45	1,525.45	48425
03/20	03/05/2020	Vandewalle & Associates, Inc.	202002015	110-56400-207-101	CURRENT PLANNING - CREEKSIDE CROSSING	1,164.43	1,164.43	48425
03/20	03/05/2020	Vandewalle & Associates, Inc.	202002015	110-56400-207-101	CURRENT PLANNING - CREEKSIDE CROSSING USA	5,567.50	5,567.50	48425
03/20	03/05/2020	Vandewalle & Associates, Inc.	202002015	110-56400-207-101	CURRENT PLANNING - SUNDANCE	87.50	87.50	48425
	Total 48425:						8,344.88	
48426								
03/20	03/05/2020	WEAVER AUTO PARTS	06IN049451	110-53300-305-101	SUPPLIES	3.80	3.80	48426
03/20	03/05/2020	WEAVER AUTO PARTS	06IN049498	110-53300-305-101	SUPPLIES	13.49	13.49	48426
	Total 48426:						17.29	
48427								
03/20	03/05/2020	WISCONSIN PROFESSIONAL POLICE	55 - 3.20	110-21350-000-000	UNION DUES	168.00	168.00	48427
	Total 48427:						168.00	
48428								
03/20	03/05/2020	Wisconsin Supreme Court 2	13-0113	110-51200-204-000	CONTINUING JUDICIAL EDUCATION	700.00	700.00	48428
	Total 48428:						700.00	
	Grand Totals:						1,433,264.23	

Summary by General Ledger Account Number

M = Manual Check, V = Void Check

GL Account	Debit	Credit	Proof
110-21211-000-000	.00	1,154,221.66-	1,154,221.66-
110-21350-000-000	168.00	.00	168.00
110-24310-000-000	234,339.77	.00	234,339.77
110-24600-000-000	815,463.89	.00	815,463.89
110-24700-000-000	71,412.19	.00	71,412.19
110-45110-000-000	422.00	.00	422.00
110-51200-204-000	700.00	.00	700.00
110-51200-207-000	724.05	.00	724.05
110-51200-208-000	75.00	.00	75.00
110-51410-208-000	323.00	.00	323.00
110-51510-304-000	29.96	.00	29.96
110-51530-207-000	788.92	.00	788.92
110-51600-207-000	300.00	.00	300.00
110-51600-301-000	211.96	.00	211.96
110-52100-202-000	120.99	.00	120.99
110-52100-206-000	32.00	.00	32.00
110-53300-203-000	201.84	.00	201.84
110-53300-301-000	85.00	.00	85.00
110-53300-305-101	395.74	.00	395.74
110-53300-305-102	974.27	.00	974.27
110-53300-305-103	17,311.20	.00	17,311.20
110-56400-207-101	10,141.88	.00	10,141.88
120-21211-000-000	.00	51.00-	51.00-
120-57620-805-101	51.00	.00	51.00
130-21211-000-000	.00	3,463.34-	3,463.34-
130-51600-305-000	1,002.72	.00	1,002.72
130-55110-301-000	716.11	.00	716.11
130-55110-304-101	1,369.54	.00	1,369.54
130-55110-304-104	124.97	.00	124.97
130-55110-306-000	250.00	.00	250.00
140-21211-000-000	.00	3,398.50-	3,398.50-
140-55300-207-000	550.00	.00	550.00
140-55300-302-000	2,764.50	.00	2,764.50
140-55300-306-101	84.00	.00	84.00
150-21211-000-000	.00	241,129.17-	241,129.17-
150-58000-207-000	800.00	.00	800.00
150-58000-601-000	185,000.00	.00	185,000.00
150-58000-602-000	55,329.17	.00	55,329.17
310-21211-000-000	.00	21,060.90-	21,060.90-
310-51410-399-000	21,060.90	.00	21,060.90

M = Manual Check, V = Void Check

GL Account	Debit	Credit	Proof
660-21211-000-000	.00	6,186.19-	6,186.19-
660-53700-633-200	288.50	.00	288.50
660-53700-675-000	780.00	.00	780.00
660-53700-676-000	5,117.69	.00	5,117.69
670-21211-000-000	.00	3,753.47-	3,753.47-
670-53610-207-000	1,947.00	.00	1,947.00
670-53610-301-000	500.00	.00	500.00
670-53610-305-000	541.47	.00	541.47
670-57410-804-000	765.00	.00	765.00
Grand Totals:	1,433,264.23	1,433,264.23-	.00

Dated: _____

Mayor: _____

City Council: _____

_____

_____

_____

_____

_____

City Recorder: _____

Report Criteria:
Report type: GL detail
Check.Type = {<>} "Adjustment"

M = Manual Check, V = Void Check

Cross Plains Police Department
2417 Brewery Rd.
P.O. Box 97
Cross Plains, WI 53528
PH: (608) 798-4100 Fax: (608) 798-4001
Honor Excellence Adaptability Respect Teamwork

Tony Ruesga Jr., Chief of Police

Date: 2/25/2020

To: Village Administrator Bill Chang

Re: Operator's License Application

On Tuesday, February 25, 2020, I received an Application for an Operator's License from Dylan Hormig. A review of Mr. Hormig's arrest and conviction record was completed in accordance with Village Ordinance 41.09 (b). The results of that review indicate Mr. Hormig has no arrests or convictions in contrast with Village ordinance 41.09(c). Mr. Hormig therefore meets the criteria set forth to receive an operator's license.

Tony Ruesga Jr.
Chief of Police

Application for an "Operator's" License Cross Plains WI 2/20, 2020

To Serve Fermented Malt Beverages and Intoxicating Liquors — Date — Year

I, the undersigned, do hereby respectfully make application to the local governing body of the Village of Cross Plains, County of Dane, Wisconsin for a License to serve, from the date hereof to June 30, 20_____, inclusive (unless sooner revoked), Fermented Malt Beverages and Intoxicating Liquors, subject to the limitations imposed by Section 125.32(2) and 125.68(2) of the Wisconsin Statutes and all acts amendatory thereof and supplementary thereto, and hereby agree to comply with all laws, resolution, ordinances and regulation, Federal, State or Local, affecting the sale of such beverages and liquors if a license be granted to me.

I certify that I am [redacted] years of age. Date of Birth [redacted] Walgreens
Name of Establishment

Answer the following questions fully and completely:

Name: Dylan (First) J (MI) Hormig (Last) Is application new or a renewal? New

Melissa 798-4003 *

Address of Applicant: 2046 continental lane (Street Address) cross Plains (City) 53528 (ZIP Code) (608) 212-7415 (Phone Number)

If renewal (within the past 2 years held a Class "A", "Class A", "Class C", Class "B" or "Class B" license or permit or a manager's or operator's license).

Where was the privilege obtained? City (Town) Village Cross Plains

As required by WI Statutes Section 125.17(6), have you completed the alcohol awareness course? Yes

If so, where? Diversys Learning Inc.

Have you ever had a criminal conviction? If yes, what and where? NO

Have you been convicted of any license law or ordinance regulating Fermented malt beverages or intoxicating liquors? NO

If so, name of court:

STATE OF WISCONSIN
DANE COUNTY

Dylan Hormig, being first duly sworn on oath says that (s)he is the person who made and signed the foregoing application for an operator's license; that all the statements made by the applicant are true.

X Dylan Hormig
Applicant sign here

X 02/20/2020
Date of Application

Date of Board Approval _____

Subscribed and sworn to before me this 20 Day of February, 2020

Dane County, Wis.

Notary Public: Renee D. Bratton

My Commission Expires: 4/25/21

NOTARY PUBLIC RENEE D. BRATTON STATE OF WISCONSIN

Walgreens Boots Alliance | Walgreens | Boots | Alliance Healthcare

This certifies that

DYLAN HORMIG

has completed

Beer and Wine Online Training Center: Wisconsin

by Diversys Learning, Inc.

Date: 2/13/2020

OPERATOR'S LICENSE $45.00

WHEREAS, the local governing body of the Village of Cross Plains, County of Dane, Wisconsin, has upon application duly made, granted and authorized the issuance of an "Operator's License" to:

Dylan J. Hormig

AND WHEREAS, the said applicant has paid to the treasurer the sum of $45.00 as required by local ordinances and has complied with all the requirements necessary for obtaining a license,

NOW THEREFORE, An "Operator's License", pursuant to Sections 125.32 (2) and 125.68 (2) of the Wisconsin Statutes, and local ordinances, is hereby issued to the said applicant.

For the period from July 1, 2019 to June 30, 2020.

GIVEN UNDER MY HAND AND THE CORPORATE SEAL OF THE VILLAGE OF CROSS PLAINS, COUNTY OF DANE, STATE OF WISCONSIN, and THIS 23rd DAY OF MARCH, 2020.

VILLAGE OF CROSS PLAINS
SEAL
WISCONSIN

Corporate Seal

Bill Chang
Village of Cross Plains

License must be FRAMED and POSTED in a conspicuous place in the room where Fermented Malt Beverages and/or Wine Coolers are drawn removed for service or sale.

Cross Plains Police Department
2417 Brewery Rd.
P.O. Box 97
Cross Plains, WI 53528
PH: (608) 798-4100 Fax: (608) 798-4001
Honor Excellence Adaptability Respect Teamwork

Tony Ruesga Jr., Chief of Police

Date: 3/17/2020

To: Village Administrator Bill Chang

Re: Operator's License Application

On Tuesday, March 17, 2020, I received an Application for an Operator's License from Cory Ball. A review of Mr. Ball's arrest and conviction record was completed in accordance with Village Ordinance 41.09 (b). The results of that review indicate Mr. Ball has no arrests or convictions in contrast with Village ordinance 41.09(c). Mr. Ball therefore meets the criteria set forth to receive an operator's license.

Tony Ruesga Jr.
Chief of Police

Application for an "Operator's" License _____ WI _____, _____

To Serve Fermented Malt Beverages and Intoxicating Liquors — Date — Year

I, the undersigned, do hereby respectfully make application to the local governing body of the Village of Cross Plains, County of Dane, Wisconsin for a License to serve, from the date hereof to June 30, 20_____, inclusive (unless sooner revoked), Fermented Malt Beverages and Intoxicating Liquors, subject to the limitations imposed by Section 125.32(2) and 125.68(2) of the Wisconsin Statutes and all acts amendatory thereof and supplementary thereto, and hereby agree to comply with all laws, resolution, ordinances and regulation, Federal, State or Local, affecting the sale of such beverages and liquors if a license be granted to me.

I certify that I am [redacted] years of age. Date of Birth: [redacted] Walgreens
Name of Establishment

Answer the following questions fully and completely:

Name: Cory (First) D (MI) Ball (Last) Is application new or a renewal? New

Address of Applicant: 212 Beuchner Dr (Street Address) Mount Horeb (City) 53572 (ZIP Code) 608 622-9651 (Phone Number)

If renewal (within the past 2 years held a Class "A", "Class A", "Class C", Class "B" or "Class B" license or permit or a manager's or operator's license).

Where was the privilege obtained? City / (Town) / Village Cross plains

As required by WI Statutes Section 125.17(6), have you completed the alcohol awareness course? _____

If so, where? Yes at walgreens

Have you ever had a criminal conviction? If yes, what and where? NO

Have you been convicted of any license law or ordinance regulating Fermented malt beverages or intoxicating liquors? NO

If so, name of court: _____

STATE OF WISCONSIN
DANE COUNTY

Cory Ball, being first duly sworn on oath says that (s)he is the person who made and signed the foregoing application for an operator's license; that all the statements made by the applicant are true.

X Cory Ball
Applicant sign here

X 3/13/2020
Date of Application

Date of Board Approval _____

NOTARY PUBLIC RENEE D. BRATTON STATE OF WISCONSIN

Subscribed and sworn to before me this 13 Day of March, 2020
Dane County, Wis.

Notary Public: Renee D. Bratton
My Commission Expires: 4/25/21

Walgreens Boots Alliance | Walgreens | Boots | Alliance Healthcare

This certifies that

CORY BALL

has completed

FY19 Selling Age Restricted Items Responsibly for Store Leaders: May I see your ID?

by Walgreens - Online

Date: 3/12/2020

OPERATOR'S LICENSE $45.00

WHEREAS, the local governing body of the Village of Cross Plains, County of Dane, Wisconsin, has upon application duly made, granted and authorized the issuance of an "Operator's License" to:

Cory D. Ball

AND WHEREAS, the said applicant has paid to the treasurer the sum of $45.00 as required by local ordinances and has complied with all the requirements necessary for obtaining a license,

NOW THEREFORE, An "Operator's License", pursuant to Sections 125.32 (2) and 125.68 (2) of the Wisconsin Statutes, and local ordinances, is hereby issued to the said applicant.

For the period from July 1, 2019 to June 30, 2020.

GIVEN UNDER MY HAND AND THE CORPORATE SEAL OF THE VILLAGE OF CROSS PLAINS, COUNTY OF DANE, STATE OF WISCONSIN, and THIS 23rd DAY OF MARCH, 2020.

VILLAGE OF CROSS PLAINS
SEAL
WISCONSIN

Corporate Seal

Bill Chang
Village of Cross Plains

License must be FRAMED and POSTED in a conspicuous place in the room where Fermented Malt Beverages and/or Wine Coolers are drawn removed for service or sale.

Cross Plains Police Department
2417 Brewery Rd.
P.O. Box 97
Cross Plains, WI 53528
PH: (608) 798-4100 Fax: (608) 798-4001
Honor Excellence Adaptability Respect Teamwork

Tony Ruesga Jr., Chief of Police

Date: 2/25/2020

To: Village Administrator Bill Chang

Re: Operator's License Application

On Tuesday, February 25, 2020, I received an Application for an Operator's License from Stan Nonn. A review of Mr. Nonn's arrest and conviction record was completed in accordance with Village Ordinance 41.09 (b). The results of that review indicate Mr. Nonn has no arrests or convictions in contrast with Village ordinance 41.09(c). Mr. Nonn therefore meets the criteria set forth to receive an operator's license.

Tony Ruesga Jr.
Chief of Police

Application for Temporary Class "B" / "Class B" Retailer's License

See Additional Information on reverse side. Contact the municipal clerk if you have questions.

FEE $ 100.00 Application Date: 2-19-2020

☐ Town ☒ Village ☐ City of CROSS PLAINS County of DANE

The named organization applies for: *(check appropriate box(es).)*

☐ A Temporary Class "B" license to sell fermented malt beverages at picnics or similar gatherings under s. 125.26(6), Wis. Stats.

☐ A Temporary "Class B" license to sell wine at picnics or similar gatherings under s. 125.51(10), Wis. Stats.

at the premises described below during a special event beginning APRIL 26-2020 and ending AUG-16-2020 and agrees to comply with all laws, resolutions, ordinances and regulations (state, federal or local) affecting the sale of fermented malt beverages and/or wine if the license is granted.

1. Organization *(check appropriate box)* → ☒ Bona fide Club ☐ Church ☐ Lodge/Society ☐ Veteran's Organization ☐ Fair Association or Agricultural Society ☐ Chamber of Commerce or similar Civic or Trade Organization organized under ch. 181, Wis. Stats.

(a) Name CROSS PLAINS HOME TALENT

(b) Address 2410 MARTIN ST CROSS PLAINS
(Street) ☐ Town ☐ Village ☐ City

(c) Date organized 1970

(d) If corporation, give date of incorporation _____

(e) If the named organization is not required to hold a Wisconsin seller's permit pursuant to s. 77.54 (7m), Wis. Stats., check this box: ☐

(f) Names and addresses of all officers:

President _____

Vice President _____

Secretary _____

Treasurer _____

(g) Name and address of manager or person in charge of affair:

STAN DOWN 2410 MARTIN ST C.P.

2. Location of Premises Where Beer and/or Wine Will Be Sold, Served, Consumed, or Stored, and Areas Where Alcohol Beverage Records Will be Stored:

(a) Street number 2820 MILITARY RD BAER PARK LARGE PAVILION

(b) Lot _____ Block _____

(c) Do premises occupy all or part of building? _____

(d) If part of building, describe fully all premises covered under this application, which floor or floors, or room or rooms, license is to cover: _____

3. Name of Event

(a) List name of the event HOME TALENT BASEBALL GAMES

(b) Dates of event _____

DECLARATION

An officer of the organization, declares under penalties of law that the information provided in this application is true and correct to the best of his/her knowledge and belief. Any person who knowingly provides materially false information in an application for a license may be required to forfeit not more than $1,000.

Officer Stanley G Mann 2-19-2020 *(Signature / Date)* Cross Plains Home Talent *(Name of Organization)*

Date Filed with Clerk _____ Date Reported to Council or Board _____

Date Granted by Council _____ License No. _____

MILLTREE ROAD
CHURCH STREET

TEMPORARY CLASS "B" RETAILER'S LICENSE
For the Sale of Fermented Malt Beverages at a
GATHERING OR PICNIC

WHEREAS, the local governing body of the Village of Cross Plains, County of Dane, Wisconsin, has, upon application duly made, granted and authorized the issuance of Retail Class "B" License to **Cross Plains Home Talent** to sell Fermented Malt Beverages, as defined by law, pursuant to Section 125.26 (6) of the Statutes of the State of Wisconsin, and local ordinances;

AND WHEREAS, the said applicant has paid the treasurer the sum of $100.00 for such Class "B" Retailer's Fermented Malt Beverage License as provided by local ordinances, and has complied with all the requirements necessary for obtaining such license;

LICENSE IS HEREBY ISSUED to the said applicant to sell, deal and traffic in, at retail, Fermented Malt Beverages at the following described premises:

Baer Park., Cross Plains, WI

FOR THE PERIOD from April 26th, 2020, to August 16, 2020.

VILLAGE OF CROSS PLAINS
SEAL
WISCONSIN

(Corporate Seal)

Given under my hand and the corporate seal of the

Village of Cross Plains this 23rd day of March, 2020.

_____

Bill Chang, Clerk

Village of Cross Plains

Permit #: 01-2020

SPECIAL EVENT PERMIT

APPLICANT INFORMATION

Event Title:	Cross Plains Trout Days			**Date(s) of Event:**	April 30-May 2
Event Organizer:	Cross Plains Lions Club		**Primary Contact:**	Kevin Engelien	
Applicant Address:	1303 Main St. Cross Plains				
Primary Phone #:	608.628.6987	**Mobile Phone #:**	608.628.6987	**Secondary Phone #:**	
Email:	kjengelien@gmail.com		**Fax:**		

EVENT INFORMATION

Event Location (Please provide general description or address as well as depict on the attached Village map):

Lion's Club portion of Trout Day's consists of the Lion's Brat trailer in the Pig parking lot TH, Fri & Sat. Primary is Zander Park and along Mill Creek Parkway.

Please provide a summary of the event including but not limited to a description of planned activities and/or amenities:

Annual Lion's event is growing as a community wide event in partnership with other civic and business organizations. Food sales, merchandise sales, trout fishing contest, rubber duck race, live music, streamside education, Ice Age Trail Alliance hike, Lion's train rides, CP Fire and EMT awareness and more.

Event Setup Start:	April 30	**Event Start:**	Main Event- Saturday May 2		**Hours of Operation:**
Event Takedown End:	May 2 & 3	**Event End:**	May 2		8:00 - 6:00 pm
Participants #:	Cross Plains Lion's, Chamber, Ice Age, Fire & EMT, other businesses				
Street Closure:	One-Way	**Barricades:**	Yes	**Barricade Location(s):**	Ends of Mill Creek
Alcohol Sold or Serve:	BYOB currently	**Fireworks:**	No		
Food Sold or Served:	Food Sold	**Rain Date:**	No		

Public Safety – Please describe any plans regarding security, traffic/crowd control, or other emergency services:

Similar to last year, Mill Creek Parkway would be one way traffic, with flow being from West to East. CP Fire has again volunteered to monitor and control flow. EMT and fire will be on Mill Creek doing education/awarenss.

Village Services – Please describe all other services required from the Village (i.e. – Public Facilities, Parks/Rec, etc.):

Signage is needed on both ends of Mill Creek for traffic flow. We are planning various banners to be hung throughout the Village at entrances to Village- Lion's will hang. Lions and Chamber are discussing large banner to hang across highway downtown- Village to hang. Extra garbages may be needed in park. Request being made to Village for Village to provide porta-potty's for this growing community event. Large event tents will be placed within park as well.

INSURANCE REQUIREMENTS

The applicant shall, no later than seven (7) days prior to the start of the event, provide proof of bodily injury and property damage liability insurance naming the Village as an insured and covering the entire public area of the event for the duration of the event in a minimum amount of $1,000,000 for the injury to or death of any one individual and $1,000,000 for the injury to or death of any number of individuals in once occurrence, and property damage liability insurance in the amount of $1,000,000 (Village Ordinance 22.22(f)). Please attach the Certificate of Insurance to this application.

Has a certificate of insurance been provided:	Yes

Village of Cross Plains

SPECIAL EVENT PERMIT

DUTIES OF PARTICIPANTS

Participants means only those persons actually taking part in the event, including, but not limited to, those sponsoring, organizing, promoting, or initiating the event; those invited to attend; those paying to attend; or those for whom the event is sponsored, organized, or initiated, including the general public (Village Ordinance 22.22(a)(2). The Duties of Participants will be as follows (Village Ordinance 22.22(j)). **Please initial next to each duty to signify agreement.**

1. All persons involved with an event regulated by this section shall comply with all permit directions and conditions imposed under the terms of this section for the use of public property and with all applicable ordinances, statutes and laws.	KE
2. All persons involved with an event regulated by this section shall stay within the area or route designated for the event during the conduct of this event.	KE
3. The event chairman or other person leading such activity shall carry the special event permit upon his or her person during the conduct of the event.	KE
4. The applicant shall be responsible for returning all premises used for the event or impacted by the event to the condition such premises were in prior to the event within twelve (12) hours after the permit expires.	KE

Please note that the applicant and/or event organizer will be responsible for the conduct of the group and for the condition of the public area. The permit is subject to all municipal codes in addition to all rules governing street right-of-ways. The applicant agrees that during use of the public area, the sponsoring organization will not exclude any person from participation in, deny anyone the benefits of, or otherwise subject anyone to discrimination because of race, color, national origin, or handicap. The applicant and/or the event organizer further agrees to indemnify, defend and hold harmless the Village of Cross Plains and its officers, officials, employees and agents from and against any and all liability, loss, damage, expenses, costs, including attorney fees arising out of the activities performed as described herein, caused in whole or in part by any acts, negligent or otherwise, or any omission of the applicant/organization, anyone directly or indirectly employed by any of them or anyone whose acts on behalf of them may be liable, except where caused by the sole negligence or willful misconduct of the Village.

Kevin Engelien

Applicant Signature

3/2/2019

Date

Kevin Engelien

Applicant Print Name

For Office Use Only:

Date Received: 3/3/2020 Received By: GC Date Reported to Board: 3/23/2020

Village of Cross Plains

Parks and Recreation

Comments/Conditions: Requests for additional picnic tables also needed. I Feel a map should be provided with # picnic tables needed. Village board should discuss porta potties and if approved, where funding should come from. Bags for cans not provided. Tent is not an issue.

Total Actual Cost:_____ Approved: Yes No

Michael [illegible] 3.9.20

Signature Date

Police Department

Comments/Conditions: We will Also be assisting any way possible. Trout days is being discussed at our next Public Safety Committee Meeting.

Total Actual Cost: N/A Approved: Yes No

[illegible] 3/9/20

Signature Date

Public Facilities

Comments/Conditions: MAP SHOWING SIGNAGE + BARRICADES MUST BE PROVIDED

Total Actual Cost:_____ Approved: Yes No

[illegible] 3/12/2020

Signature Date

Application Approval/Denial

☐ > 200 Participants ☐ Close/Use Public Street ☐ Village Services

$50.00 Review Fee:_____ Approved: Yes No

_____ _____

Authority (Administrator or Board) Date

Comments: _____

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 03/03/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER

DSP Insurance
1900 E. Golf Road, Suite 650
Schaumburg, IL 60173

CONTACT NAME: John Adams
PHONE (A/C, No, Ext): 1-800-316-6705 FAX (A/C, No): 847-934-6186
E-MAIL ADDRESS: lionsclubs@dspins.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: ACE American Insurance Company	22667
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED

Cross Plains Lions Club
Cross Plains Wisconsin

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			HDOG71573448	09/01/2019	09/01/2020	EACH OCCURRENCE	$ 1,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$ 5,000
	X Agg. Per Named Insured is $2,000,000						PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 10,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
A	AUTOMOBILE LIABILITY			ISAH25301754	09/01/2019	09/01/2020	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB / OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB / CLAIMS-MADE						AGGREGATE	$
	DED / RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATU-TORY LIMITS / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Provisions of the policy apply to the named insured's participation in the following activity during the policy period shown above: Cross Plains Trout Days - April 30-May 2
PROVISIONS OF THE POLICY DO NOT APPLY TO THE SALE OR SERVING OF ALCOHOLIC BEVERAGES.

CERTIFICATE HOLDER

Adam Crowson
210 Anne St.
Mazomanie Wisconsin 53560

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Village of Cross Plains

Permit #: 02-2020

SPECIAL EVENT PERMIT

APPLICANT INFORMATION

Event Title:	RIVERSMITH CASTING CLINIC	**Date(s) of Event:**	MAY 16, 2020		
Event Organizer:	SWTU	**Primary Contact:**	AMY KLUSMEIER		
Applicant Address:	PO BOX 4555				
Primary Phone #:	215-1228	**Mobile Phone #:**	215-1228	**Secondary Phone #:**	
Email:	amy.klusmeier@gmail.com	**Fax:**			

EVENT INFORMATION

Event Location (Please provide general description or address as well as depict on the attached Village map):

Zander Park, Village of Cross Plains

Please provide a summary of the event including but not limited to a description of planned activities and/or amenities:

Informational Booth, Fly Casting lessons, identification of aquatic invertebrates, safety instruction reading the water

Event Setup Start:	8:00AM	**Event Start:**	9:00AM	**Hours of Operation:**	
Event Takedown End:	12:30PM	**Event End:**	12:00PM (NOON)	3	
Participants #:	15 - 40				
Street Closure:	NO	**Barricades:**	NO	**Barricade Location(s):**	
Alcohol Sold or Serve:	NO	**Fireworks:**	NO		
Food Sold or Served:	YES - coffee	**Rain Date:**	N/A		

Public Safety – Please describe any plans regarding security, traffic/crowd control, or other emergency services:

Village Services – Please describe all other services required from the Village (i.e. – Public Facilities, Parks/Rec, etc.):

NONE

INSURANCE REQUIREMENTS

The applicant shall, no later than seven (7) days prior to the start of the event, provide proof of bodily injury and property damage liability insurance naming the Village as an insured and covering the entire public area of the event for the duration of the event in a minimum amount of $1,000,000 for the injury to or death of any one individual and $1,000,000 for the injury to or death of any number of individuals in once occurrence, and property damage liability insurance in the amount of $1,000,000 (Village Ordinance 22.22(f)). Please attach the Certificate of Insurance to this application.

Has a certificate of insurance been provided:

Village of Cross Plains

SPECIAL EVENT PERMIT

DUTIES OF PARTICIPANTS

Participants means only those persons actually taking part in the event, including, but not limited to, those sponsoring, organizing, promoting, or initiating the event; those invited to attend; those paying to attend; or those for whom the event is sponsored, organized, or initiated, including the general public (Village Ordinance 22.22(a)(2). The Duties of Participants will be as follows (Village Ordinance 22.22(j)). **Please initial next to each duty to signify agreement.**

1. All persons involved with an event regulated by this section shall comply with all permit directions and conditions imposed under the terms of this section for the use of public property and with all applicable ordinances, statutes and laws.	AK
2. All persons involved with an event regulated by this section shall stay within the area or route designated for the event during the conduct of this event.	AK
3. The event chairman or other person leading such activity shall carry the special event permit upon his or her person during the conduct of the event.	AK
4. The applicant shall be responsible for returning all premises used for the event or impacted by the event to the condition such premises were in prior to the event within twelve (12) hours after the permit expires.	AK

Please note that the applicant and/or event organizer will be responsible for the conduct of the group and for the condition of the public area. The permit is subject to all municipal codes in addition to all rules governing street right-of-ways. The applicant agrees that during use of the public area, the sponsoring organization will not exclude any person from participation in, deny anyone the benefits of, or otherwise subject anyone to discrimination because of race, color, national origin, or handicap. The applicant and/or the event organizer further agrees to indemnify, defend and hold harmless the Village of Cross Plains and its officers, officials, employees and agents from and against any and all liability, loss, damage, expenses, costs, including attorney fees arising out of the activities performed as described herein, caused in whole or in part by any acts, negligent or otherwise, or any omission of the applicant/organization, anyone directly or indirectly employed by any of them or anyone whose acts on behalf of them may be liable, except where caused by the sole negligence or willful misconduct of the Village.

Applicant Signature

3/6/2020
Date

Amy Klusmeier
Applicant Print Name

For Office Use Only:

Date Received: 3/9/2020 Received By: _____ Date Reported to Board: _____

Village of Cross Plains

Parks and Recreation

Comments/Conditions: No services requested. No issues with the program request in the park.

Total Actual Cost: Ø

Approved: Yes No

Michael A

Signature

3/9/2020

Date

Police Department

Comments/Conditions:

Total Actual Cost:

Approved: Yes No

Signature

3/18/20

Date

Public Facilities

Comments/Conditions:

Total Actual Cost:

Approved: Yes No

3/12/2020

Signature

Date

Application Approval/Denial

☐ > 200 Participants

☐ Close/Use Public Street

☐ Village Services

$50.00 Review Fee:

Approved: Yes No

Authority (Administrator or Board)

Date

Comments:

Submittal of Annual Reports and other Compliance Documents for Municipal Separate Storm Sewer System (MS4) Permits

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. After 120 days your draft is **deleted.**

Reporting Information

Will you be completing the Annual Report or other submittal type? ◉ **Annual Report** ○ **Other**

Project Name:	2019 Annual MS4 Report
County:	Dane
Municipality:	Cross Plains Village
Permit Number:	S050075
Facility Number:	52304
Reporting Year:	2019

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? ○ **Yes** ◉ **No**

Required Attachments and Supplemental Information

Please complete the contents of each tab to submit your MS4 permit compliance document. The information included in this checklist is necessary for a complete submittal. A complete and detailed submittal will help us review about your MS4 permit document. To help us make a decision in the shortest amount of time possible, the following information must be submitted:

Annual Report

- Review related web site and instructions for Municipal storm water permit eReporting [Exit Form]
- Complete all required fields on the annual report form and upload required attachments
- Attach the following other supporting documents as appropriate using the attachments tab above
  - Public Education and Outreach Annual Report Summary
  - Public Involvement and Participation Annual Report Summary
  - Illicit Discharge Detection and Elimination Annual Report Summary
  - Construction Site Pollution Control Annual Report Summary
  - Post-Construction Storm Water Management Annual Report Summary
  - Pollution Prevention Annual Report Summary
    - Leaf and Yard Waste Management
    - Municipal Facility (BMP) Inspection Report
    - Municipal Property SWPPP
    - Municipally Property Inspection Report
    - Winter Road Maintenance
  - Storm Sewer Map Annual Report Attachment
  - Storm Water Quality Management Annual Report Attachment
  - TMDL Attachment
  - Storm Water Consortium/Group Report

- Municipal Cooperation Attachment
- Other Annual Report Attachment

- Attach the following permit compliance documents as appropriate using the attachments tab above

  - Storm Water Management Program *(S050075-03 general permittees shall have a written storm water management program that describes in detail how the permittee intends to comply with the permit requirements for each minimum control measure. Updated programs are due to the department by March 31, 2021.)*
    - Public Education and Outreach Program
    - Public Involvement and Participation Program
    - Illicit Discharge Detection and Elimination Program
    - Construction Site Pollutant Control Program
    - Post-Construction Storm Water Management Program
    - Pollution Prevention Program
      - Municipal Storm Water Management Facility (BMP) Inventory *(S050075-03 general permittees 2.6.1 - inventory due to the department by March 31, 2021.)*
      - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan *(S050075-03 general permittees 2.6.2 – document due to the department by March 31, 2021.)*

- Sign and Submit form

Form 3400-224 (08/19)

Municipal Contact Information- Complete

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (Department) by March 31 of each year to report on activities for the previous calendar year ("reporting year"). This form is being provided by the Department for the user's convenience for reporting on activities undertaken in each reporting year of the permit term. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].
Note: Compliance items must be submitted using the Attachments tab.

Municipality Information

Name of Municipality	Cross Plains Village
Facility ID # or (FIN):	52304
Updated Information:	☐ Check to update mailing address information
Mailing Address:	PO Box 97
Mailing Address 2:	
City:	Cross Plains
State:	Wisconsin
Zip Code:	53528 xxxxx or xxxxx-xxxx

Primary Municipal Contact Person (Authorized Representative for MS4 Permit)

The "Authorized Representative" or "Authorized Municipal Contact" includes the municipal official that was charged with compliance and oversight of the permit conditions, and has signature authority for submitting permit documents to the Department (i.e., Mayor, Municipal Administrator, Director of Public Works, City Engineer).

☐ Select to ***create new*** primary contact

First Name:	Gerald
Last Name:	Gray

☐ Select to ***update*** current contact information

Title:	D P W
Mailing Address:	2417 Brewery Rd
Mailing Address 2:	
City:	Cross Plains
State:	WI
Zip Code:	53528-0097 xxxxx or xxxxx-xxxx
Phone Number:	608-235-1054 Ext: xxx-xxx-xxxx
Email:	jerry@cross-plains.wi.us

Additional Contacts Information (Optional)

☐ I&E Program
☐ IDDE Program

Individual with responsibility for: (Check all that apply)	☐ IDDE Response Procedure Manual ☐ Municipal-wide Water Quality Plan ☐ Ordinances ☐ Pollution Prevention Program ☐ Post-Construction Program ☐ Winter roadway maintenance

First Name:	
Last Name:	
Title:	
Mailing Address:	
Mailing Address 2:	
City:	
State:	
Zip Code:	xxxxx or xxxxx-xxxx
Phone Number:	Ext: xxx-xxx-xxxx
Email:	

1. Does the municipality rely on another entity to satisfy some of the permit requirements? If yes, enter entity name (government, consultant, group/organization).

○ Yes ◉ No

2. Has there been any changes to the municipality's participation in group efforts towards permit compliances (i.e., the municipality has added or dropped consortium membership)?

○ Yes ◉ No

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7.

Form 3400-224 (08/19)

Minimum Control Measures- Section 1 : Complete

1. Public Education and Outreach

a. Complete the following information on Public Education and Outreach Activities related to storm water. Select the Mechanism that best describes how the topic message was conveyed to your population. Use the **Add Activity** to add multiple Mechanisms. For Quantity, choose the range for the number of Mechanisms chosen (i.e., number of workshops, events).

Topic: Detection and elimination of illicit discharges

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Passive print media (brochures at front desk, posters, etc.)	1 - 9	50 - 99	○ Yes ◉ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Management of materials that may cause storm water pollution from automobiles, pet waste, household hazardous waste and household practices

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Educational activities (School presentations, summer camps, etc)	1 - 9	100 +	◉ Yes ○ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☑ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Beneficial onsite reuse of leaves and grass clippings/proper use of lawn and garden fertilizers and pesticides

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Social media posts	1 - 9	100 +	◉ Yes ○ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Management of stream banks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Direct one-on-one communication	1 - 9	1 - 9	○ Yes ◉ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☑ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Social media posts	1 - 9	100 +	○ Yes ◉ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Inform and where appropriate educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Passive print media (brochures at front desk, posters, etc.)	20 - 49	20 - 49	○ Yes ◉ No
Direct one-on-one communication	1 - 9	1 - 9	○ Yes ◉ No

Select all applicable audiences targeted for this topic.

☑ Contractors ☐ General Public ☐ Public Employees ☑ Residential ☐ School Groups
☑ Business ☑ Developers ☑ Industries ☐ Other:

Topic: Identify businesses and activities that may pose a storm water contamination concern, and where appropriate, educate specific audiences on methods of storm water pollution prevention			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Did not focus on this topic this reporting year	Select...	Select...	○ Yes ○ No

Select all applicable audiences targeted for this topic.

☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Direct one-on-one communication	1 - 9	1 - 9	○ Yes ◉ No

Select all applicable audiences targeted for this topic.
☑ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☑ Developers ☐ Industries ☐ Other:

Topic: Other (describe): signs along Black Earth Creek to protect waterways			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Signage	10 - 19	100 +	○ Yes ◉ No

Topic: Other (describe): Painted mural on storm drain to promote clean water			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Other	1 - 9	100 +	◉ Yes ○ No

Select all applicable audiences targeted for this topic.
☐ Contractors ☑ General Public ☐ Public Employees ☑ Residential ☑ School Groups
☑ Business ☐ Developers ☑ Industries ☐ Other:

b. Brief Public Education and Outreach program information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (08/19)

Minimum Control Measures - Section 2 : Complete

2. Public Involvement and Participation

a. Complete the following information on Public Education and Outreach Activities related to storm water. Select the mechanism that best describes how the topic message was conveyed to you.

population. Use the Add Activity to add multiple mechanisms. For Quantity, choose the range for number Mechanisms chosen (i.e., number of workshops, events).

Topic: Storm Water Management Plan and/or updates			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Website	1 - 9	100 +	○ Yes ◉ No

Select all applicable participants targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: Storm water related ordinance and/or updates			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Website	1 - 9	100 +	○ Yes ◉ No

Select all applicable participants targeted for this topic.

☐ Contractors ☑ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

Topic: MS4 Annual Report			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Government Event (Public Hearing, Council Meeting, etc)	1 - 9	50 - 99	○ Yes ◉ No

Select all applicable participants targeted for this topic.

☐ Contractors ☑ General Public ☑ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☑ Other:
Board Members

Topic: Volunteer Opportunities			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Clean-up events	1 - 9	20 - 49	○ Yes ◉ No
Storm drain stenciling	1 - 9	20 - 49	◉ Yes ○ No

Select all applicable participants targeted for this topic.

☐ Contractors ☑ General Public ☑ Public Employees ☐ Residential ☐ School Groups
☑ Business ☐ Developers ☑ Industries ☐ Other:

Topic: Other (describe) :			
Mechanism	**Quantity** (optional)	**Est. People Reached** (optional)	**Regional Effort?** (optional)
Select...	Select...	Select...	○ Yes ○ No

Select all applicable participants targeted for this topic .

☐ Contractors ☐ General Public ☐ Public Employees ☐ Residential ☐ School Groups
☐ Business ☐ Developers ☐ Industries ☐ Other:

b. Brief Public Involvement and Participation program information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

pant Dane/Salt Wise from MAMSWaP posted online and distributed locally

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (09/19)

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

a. How many total outfalls does the municipality have?	9	☐ Unsure
b. How many outfalls did the municipality evaluate as part of their routine ongoing field screening program?	9	☐ Unsure
c. From the municipality's routine screening, how many were confirmed illicit discharges?	0	☐ Unsure
d. How many illicit discharge complaints did the municipality receive?	0	☐ Unsure
e. From the complaint received, how many were confirmed illicit discharges?	0	☐ Unsure
f. How many of the identified illicit discharges did the municipality eliminate in the reporting year? (If the sum of 3.c. and 3.e. does not equal 3.f., please explain below.)	0	☐ Unsure

g. How many of the following enforcement mechanisms did the municipality use to enforce its illicit discharge ordinance? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

☑ Verbal Warning	0
☑ Written Warning (including email)	0
☑ Notice of Violation	0

☑ Civil Penalty/ Citation 0

Additional Information:

h. Brief Illicit Discharge Detection and Elimination program information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (08/19)

Minimum Control Measures - Section 4 : Complete

4. Construction Site Pollutant Control

a. How many total construction sites were active at any point in the reporting year? 5 ☐ Unsure

b. How many construction sites did the municipality issue permits for in the reporting year? 17 ☐ Unsure

c. Do the above numbers include sites <1 acre? ○ Yes ◉ No ○ Unsure

d. How many erosion control inspections did the municipality complete in the reporting year? 17 ☐ Unsure

e. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

- ☐ No Authority
- ☑ Verbal Warning 2
- ☑ Written Warning (including email) 0
- ☑ Notice of Violation 0
- ☑ Civil Penalty/ Citation 0
- ☑ Stop Work Order 0
- ☑ Forfeiture of Deposit 0
- ☐ Other - Describe below

f. Brief Construction Site Pollutant Control program information for inclusion in the Annual Report . If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (08/19)

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

a. How many sites with new structural storm water management facilities* have received local approval ? 1 ☐ Unsure

*Engineered and constructed systems that are designed to provide storm water quality control such as wet detention ponds, constructed wetlands, infiltration basins, grassed swales, permeable pavement, catch basin sumps, etc.

b. How many privately owned storm water management facilities were inspected in the reporting year ? ☑ Unsure

Inspections completed by private land owners should be included in the reported number.

c. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

☐ No Authority	
☑ Verbal Warning	0
☑ Written Warning (including email)	0
☑ Notice of Violation	0
☑ Civil Penalty/ Citation	0
☑ Forfeiture of Deposit	0
☑ Complete Maintenance	0
☐ Bill Responsible Party	
☐ Other - Describe below	

d. Brief Post-Construction Storm Water Management program information for inclusion in the Annual Report . If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Minimum Control Measures - Section 6 : Complete

6. Pollution Prevention

Storm Water Management Facility Inspections (ponds, biofilters, etc.) ☐ Not Applicable

a. Enter the total number of municipally owned or operated structural storm water management facilities ? 8 ☐ Unsure

b. How many new municipally owned storm water management facilities were installed in the reporting year ? 0 ☐ Unsure

c. How many municipally owned storm water management facilities were inspected in the reporting year? 8 ☐ Unsure

d. What elements are looked at during inspections (250 character limit)?

sediment accumulation, woody growth around ponds, outfall structures, debris

e. How many of these facilities required maintenance? 0 ☐ Unsure

Public Works Yards & Other Municipally Owned Properties (SWPPP Plan Review) ☐ Not Applicable

f. How many inspections of municipal properties have been conducted in the reporting year? 1 ☐ Unsure

g. Have amendments to the SWPPPs been made? ○ Yes ◉ No ○ Unsure

h. If yes, describe what changes have been made (200 character limit):

Collection Services - *Street Sweeping / Cleaning Program* ☐ Not Applicable

i. Did the municipality conduct street sweeping/cleaning during the reporting year? ◉ Yes ○ No ○ Unsure

j. If known, how many tons of material was removed? 275 ☐ Unsure

k. Does the municipality have a low hazard exemption for this material? ○ Yes ◉ No

l. If street cleaning is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?

◉ Yes

○ No - Explain _____

○ Not Applicable

Collection Services - *Catch Basin Sump Cleaning Program* ☐ Not Applicable

m. Did the municipality conduct catch basin sump cleaning during the reporting year? ◉ Yes ○ No ○ Unsure

n. How many catch basin sumps were cleaned in the reporting year? 4 ☐ Unsure

o. If known, how many tons of material was collected? 1 ☐ Unsure

p. Does the municipality have a low hazard exemption for this ○ Yes ◉ No

material?

q. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?

○ Yes

◉ No - Explain 2018 flood cleanup took precedence 2020 goals same

○ Not Applicable

Collection Services - *Leaf Collection Program* ☐ Not Applicable

r. Does the municipality conduct curbside leaf collection? ○ Yes ◉ No ○ Unsure

s. Does the municipality notify homeowners about pickup? ◉ Yes ○ No ○ Unsure

t. Where are the residents directed to store the leaves for collection?

☐ Pile on terrace ☐ Pile in street ☐ Bags on terrace ☐ Unsure

☑ Other - Describe residents directed to bring leaves to drop-off

u. What is the frequency of collection?

v. Is collection followed by street sweeping/cleaning? ○ Yes ◉ No ○ Unsure

Winter Road Management ☐ Not Applicable

*Note: We are requesting information that goes beyond the reporting year, answer the best you can.

w. How many lane-miles of roadway is the municipality responsible for doing snow and ice control? 31 ☐ Unsure

x. Provide amount of de-icing products used by month last winter season?

Solids (tons) (ex. sand, or salt-sand)

Product	Oct	Nov	Dec	Jan	Feb	Mar
Salt	0	21	11	49	89	10

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
None						

y. Was salt applying machinery calibrated in the reporting year? ◉ Yes ○ No ○ Unsure

z. Have municipal personnel attended salt reduction strategy training in the reporting year? ◉ Yes ○ No ○ Unsure

If yes, describe what training was provided (250 character limit):

salt certification seminar

When: 2019 How many attended: 3

Internal (Staff) Education & Communication

◉ Yes ○ No ○

aa . Has training or education been held for municipal or other personnel involved in implementing each of the pollution prevention program elements ? Unsure

If yes, describe what training was provided (250 character limit):

on site training by staff

When: 2019 How many attended: 5

ab. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs and its requirements.

Elected Officials

monthly reports, board meetings, newsletters

Municipal Officials

meetings with engineering consultant, quarterly MAMSWaP meetings, newsletters, DNR emails

Appropriate Staff (such as operators, Department heads, and those that interact with public)

Regular staff meetings

ac. Brief Pollution Prevention program information for inclusion in the Annual Report . If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (08/19)

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

a. Did the municipality update their storm sewer map this year? ◉ Yes ○ No ○ Unsure

If yes, check the areas the map items that got updated or changed:

- ☐ Storm water treatment facilities
- ☑ Storm pipes
- ☐ Vegetated swales
- ☐ Outfalls
- ☐ Other - Describe below

b. Brief Storm Sewer System Map information for inclusion in the Annual Report. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you SAVE.

Form 3400-224 (08/19)

Final Evaluation - Complete

Fiscal Analysis

Complete the fiscal analysis table provided below. For municipalities that do not break out funding into permit program elements, please enter the monetary amount to your best estimate of what funding may be going towards these programs.

Annual Expenditure Reporting Year	**Budget** Reporting Year	**Budget** Upcoming Year	**Source of Funds**

Element: Public Education and Outreach

1380	1100	1200	General revenue fund

Element: Public Involvement and Participation

1390	1100	1200	General revenue fund

Element: Illicit Discharge Detection and Elimination

950	1500	1000	General revenue fund

Element: Construction Site Pollutant Control

1860	1200	1500	General revenue fund

Element: Post-Construction Storm Water Management

6830	7500	7000	General revenue fund

Element: Pollution Prevention

2950	4000	3000	General revenue fund

Element: Storm Water Quality Management

4890	5000	5000	General revenue fund

Element: Storm Sewer System Map

1200	1000	1000	General revenue fund

Other (describe)

Select...

Please provide a justification for a "0" entered in the Fiscal Analysis

Water Quality

a: Were there any known water quality improvements in the receiving waters to which the municipality's storm sewer system directly discharges to?

○ Yes ◉ No ○ Unsure If Yes, explain below:

b : Were there any known water quality degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?

○ Yes ◉ No ○ Unsure If Yes, explain below:

c: Have any of the receiving waters that the municipality discharges to been added to the impaired waters list during the reporting year?

○ Yes ◉ No ○ Unsure

d: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?

○ Yes ◉ No ○ Unsure

Additional Information

Based on the municipality's storm water program evaluation, describe any proposed changes to the municipality's storm water program. If your response exceeds the 250 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you SAVE.

Form 3400-224 (08/19)

Requests for Assistance on Understanding Permit Programs

Would the municipality like the Department to contact them about providing more information on understanding any of the Municipal Separate Storm Sewer Permit programs?

Please select all that apply:

☐ Public Education and Outreach

☐ Public Involvement and Participation

☐ Illicit Discharge Detection and Elimination

☐ Construction Site Pollutant Control

☐ Post-Construction Storm Water Management

☐ Pollution Prevention

☐ Storm Water Quality Management

☐ Storm Sewer System Map

☐ Water Quality Concerns

☐ Compliance Schedule Items Due

☐ MS4 Program Evaluation

Do not close your work until you **SAVE.**

Required Attachments and Supplemental Information

Any other MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.

Upload Required Attachments (15 MB per file limit) - Help reduce file size and trouble shoot file uploads
*Required Item

Note: To replace an existing file, use the 'Click here to attach file ' link or press the to delete an item.

Storm Sewer System Map

File Attachment

CrossPlainsStorm36x48.pdf

Attach - Other Supporting Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Attach - Permit Compliance Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Missing Information

Draft and Share PDF Report with Municipality's Governing Body.

Press the button below to create a PDF. The PDF will be sent to the email address associated with the WAMS ID that is signed in. After the annual report has been approved by the governing body, you will have to come back to the MS4 eReporting system to submit the report to the DNR.

Draft and Share PDF Report with Municipality's Governing Body

Sign and Submit Your Application

Steps to Complete the signature process

1. Read and Accept the Terms and Conditions
2. Press the Submit and Send to the DNR button

NOTE: For security purposes all email correspondence will be sent to the address you used when registering your WAMS ID. This may be a different email than that provided in the application. For information on your WAMS account click HERE .

Terms and Conditions

Certification: I hereby certify that I am an authorized representative of the municipality covered under Cross Plains Village MS4 Permit for which this annual report or other compliance document is being submitted, and that the information contained in this submittal and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Signee (must check current role prior to accepting terms and conditions)

○ Authorized municipal contact using WAMS ID.

◉ Delegation of Signature Authority (Form 3400-220) for agent signing on the behalf of the authorized municipal contact.

○ Agent seeking to share this item with authorized municipal contact (authorized municipal contact must get WAMS id and complete signature).

Delegation of Signature Authority File Attachment _301725_523041.pdf

Submission of this form constitutes notice by the authorized municipal contact that the person electronically signing the MS4 eReport is authorized to do so on behalf of the authorized municipal contact. Please download form 3400-220 and sign and attach it above.

Name:

Title:

Authorized Signature.

☐ I accept the above terms and conditions.

After providing the final authorized signature, the system will send an email to the authorized party and any agents. This email will include a copy to the final read only version of this application.

Village of Cross Plains
PO Box 97, 2417 Brewery Road
Cross Plains, WI 53528
Phone: (608) 798-3241
Fax: (608) 798-3817

Memorandum

To: Village Board of Trustees
From: Bill Chang, Village Administrator/Clerk
Date: March 20, 2020
Re: **Conditional Use Permit for Park School Addition.**

Executive Summary

The Middleton-Cross Plains Area School District (The District) has submitted an application for a conditional use permit. The District is proposing a 7,400 sf addition to the current Park Elementary School Building. The additional space consists of a cafeteria, kitchen, and accessory space. The construction also includes additional parking spaces and storm water control. The Plan Commission held a public hearing on this conditional use permit application at its meeting on March 2, 2020. There were no objections to this project. Staff also sent out letters to all adjoining properties and posted notice of the public hearing in the Middleton Times Tribune. There were no objections to this project.

Project Background

The additional space will provide the school with proper eating and food prep space. The school currently uses the gym space as its cafeteria. The District went to referendum 2018 for this addition in 2018. The referendum was approved.

Code Review

Section 84.28 (SR-3) Single Family Residential – 3 Zoning District

All of the property subject to the permit is located within the SR-3 Single Family 3 Zoning District. Within this district, Indoor Institutional uses as a principal use is permitted under Section 84.28(c)(3) The height and setback limits for the addition of rooftop shall comply with the height limits and setbacks for primary structures.

The specific bulk, density, and intensity requirements are not proposed to be changed, therefore also appear to be met.

Section 84.161 Conditional Use Permit Procedures.

The code specifies the process and procedure for the Conditional Use Permit. The Village Administrator/Clerk's review of each application as it corresponds to Section 84.161 (e) (3) is provided below.

- Review of Comprehensive Plan – The Village of Cross Plains Comprehensive addresses community facilities in Chapter 5 of the Comprehensive Plan. The plan specifically

addresses the importance of coordination between the school district and the Village leading to a high quality of life and opportunities.

- Impact on neighbors – The proposed addition will have minimal direct impact on neighbors except for times during the construction phase and the limitation of public road use. This will be coordinated with the Village. The project will improve stormwater management and all construction, with the exception of water/sewer extensions will be kept on site.

- Land use observation – the addition is not averse to residential land use. Properties are able to maintain the desired consistency of land uses and intensities.

- Service and undue burden assessment – Residential units are adequately served by utilities. The addition does not impose an undue burden on such facilities or utilities.

- Public benefits vs. adverse impacts– the public benefits of the addition outweigh the adverse impacts. The additional space is in-line and needed at the school to provide adequate services for its use and with the growing population within the district.

Section 84.57(a) – Institutional Land Uses – Performance Standards
In addition to the requirements from the previous two sections, Indoor Institutional uses are also subject to performance standards. In this case, an off-street passenger loading area for users is already provided. The construction also proposes additional parking spaces without adding additional employees.

Recommendation
Plan Commission recommends acceptance and approval of the application with the following minimal conditions:

1) Construction and use of space shall be coordinated with currently scheduled Park and Recreation Programs;
2) The tapping for the 6-inch water lateral to service the building shall be done "live" and coordinated with Jerry Gray, Director of Public Facilities;
3) Match line saw markings to be approved by Jerry Gray, Director of Public Facilities before sawing for all street patches;
4) Pavement patches for curb patches and utility service connections shall be full width of the street/ sidewalk or discretion of Jerry Gray, Director of Public Facilities;
5) The Sanitary Sewer lateral should have a manhole access near the building to provide for sampling if needed and as a clean-out if needed;
6) Village approval of the stormwater management design and report; and
7) Village approval of plan review and building permits.

8) Approval from CARPC amending the environmental corridor to allow for the development.
9) The proposed shed at the back of the property be approved through the administrative permitting process and match the current building.

SECTION 84.28 (SR-3) Single Family Residential – 3 Zoning District.

(a) **Intent.** This district intends to create, preserve, and enhance areas for moderate density single family detached dwellings at an approximate density of 3 dwelling units per acre.

(b) **Principal Uses Permitted by Right.** Refer to Article III for detailed definitions and requirements for each of the following land uses.
- (1) Single Family
- (2) Selective Cutting
- (3) Community Garden
- (4) Outdoor Open Space Institutional
- (5) Passive Outdoor Recreation
- (6) Essential Services
- (7) Small Scale Public Services and Utilities
- (8) Community Living Arrangement (1-8 residents) meeting the requirements of Section 84.57(h)

(c) **Principal Uses Permitted as Conditional Use.** Refer to Article III for detailed definitions and requirements for each of the following land uses.
- (1) Cultivation
- (2) Clear Cutting
- (3) Indoor Institutional
- (4) Community Living Arrangement (9-15 residents) meeting the requirements of Section 84.57(i)
- (5) Bed and Breakfast
- (6) Large Wind Energy System
- (7) Large Solar Energy System

(d) **Accessory Uses Permitted by Right.** Refer to Article III for detailed definitions and requirements for each of the following land uses.
- (1) Home Occupation
- (2) In-Home Daycare (4-8 children)
- (3) In-Family Suite
- (4) Residential Accessory Structure
- (5) Nonresidential Accessory Structure
- (6) Recreational Facility
- (7) Landscape Feature
- *(8) Repealed (Ordinance #05-2017)*
- (9) On-Site Parking
- (10) Satellite Dish
- (11) Personal Antenna and Towers
- (12) Communication Antenna

(e) **Accessory Uses Permitted as Conditional Use.** Refer to Article III for detailed definitions and requirements for each of the following land uses.
- (1) Accessory Dwelling Unit

(2) Residential Chicken Coop
(3) Residential Apiary
(4) Small Wind Energy System
(5) Small Solar Energy System

(f) **Temporary Uses.** Refer to Article III for detailed definitions and requirements for each of the following land uses. (Exempt from setbacks unless specified in Article III.)
(1) Temporary Outdoor Assembly
(2) Temporary Shelter Structure
(3) Temporary Storage Container
(4) Temporary On-Site Construction Storage
(5) Temporary Contractor's Project Office
(6) Temporary On-Site Real Estate Sales Office
(7) Temporary Relocatable Building
(8) Garage or Estate Sale

(g) **Density, Intensity, and Bulk Regulations for the (SR-3) Single Family Residential – 3 District.**

	Residential Uses	Nonresidential Uses
Minimum Lot Area	12,000 square feet	12,000 square feet
Maximum Density	3 dwelling units per acre	N/A
Minimum Lot Frontage	50 feet	50 feet
Maximum Building Coverage of Lot	45 percent	45 percent
Minimum Landscape Surface Ratio	40 percent	40 percent
Minimum Lot Width	100 feet	100 feet
Minimum Front Setback	25 feet	25 feet
Minimum Street Side Setback	25 feet	25 feet
Minimum Side Setback	12 feet	15 feet
Minimum Rear Setback	25 feet	20 feet
Maximum Principal Building Height	35 feet	35 feet
Minimum Principal Building Separation (multi-structure developments on shared lots)	24 feet	30 feet
Minimum Pavement Setback (lot line to pavement; excludes driveway entrances)	3 feet from side, or 0 feet for shared driveway; 10 feet from right of way or rear	3 feet from side, or 0 feet for shared driveway; 10 feet from right of way or rear
Minimum Parking Required	See Article III	See Article III
Minimum Garage Door Setback to Alley (if applicable)	8 feet for doors parallel to alley; 3 feet for door perpendicular to alley	8 feet for doors parallel to alley; 3 feet for door perpendicular to alley
Accessory Building Side Setback	10 feet	10 feet
Accessory Building Rear Setback	10 feet	10 feet
Maximum Accessory Building Height	Lesser of 15 feet or principal building height	20 feet

(h) **Regulations Applicable to All Uses.** Most development will also be subject to the following requirements:

(1) Article VI: Overlay Zoning Districts
(2) Article VII: Performance Standards
(3) Article VIII: Landscaping Regulations
(4) Chapter 87: Signage Regulations

SECTION 84.161 Conditional Use Permit Procedures.

(a) **Purpose.** The purpose of this Section is to provide regulations which govern the procedure and requirements for the review and approval, or denial, of proposed conditional uses.

(b) **Applicability.** There are certain uses, which because of their unique characteristics make impractical the predetermination of permissibility. In these cases, specific standards, regulations, or conditions may be established.

(c) **Initiation of Request.** Proceedings for approval of a conditional use may be initiated by an application of the owner(s) of the subject property.

(d) **Application.** An application for a conditional use permit shall contain the following (digital files should be submitted rather than paper copies whenever possible, if applicable):

(1) A map of the subject property to scale depicting:

a. All lands for which the conditional use is proposed and all other lands within 100 feet of the boundaries of the subject property.

b. Names and addresses of the owners of all lands on said map as the same appear on the current records of the Register of Deeds of Dane County.

c. Current zoning of the subject property and its environs, and the jurisdiction(s) which maintains that control.

d. All lot dimensions of the subject property.

e. A graphic scale and a north arrow.

(2) Written description of the proposed conditional use including the type of activities, buildings, structures, and off-street parking proposed for the subject property and their general locations.

(3) A site plan of the subject property if proposed for development conforming to all requirements of Section 84.164. If the proposed conditional use is a group or large development (per Section 84.118), a proposed preliminary plat or conceptual plat may be substituted for the required site plan, provided said plat contains all information required on said site plan.

(4) Written justification for the proposed conditional use, including evidence that the application is consistent with the Comprehensive Plan.

(5) For Group and Large Development, a Transportation Demand Management (TDM) Plan meeting Wisconsin Department of Transportation requirements for content and format may be required by the Village if deemed necessary by the Village Engineer.

(e) **Review by Zoning Administrator.**

(1) The Zoning Administrator shall determine whether the application is complete and fulfills the requirements of this Chapter. If the application is determined to be incomplete, the Zoning Administrator shall notify the applicant.

(2) The Zoning Administrator may coordinate review with the Village's Development Review Team.

(3) The Zoning Administrator shall review the completed application and evaluate whether the proposed conditional use:

a. Is in harmony with the recommendations of the Comprehensive Plan.

b. Will result in a substantial or undue adverse impact on nearby property, the character of the neighborhood, environmental factors, traffic factors, parking, public improvements, public property or rights-of-way, or other matters affecting the public health, safety, or general welfare, either as they now exist or as they may in the future.

c. Maintains the desired consistency of land uses, land use intensities, and land use impacts as related to the environs of the subject property.

d. The conditional use is located in an area that will be adequately served by, and will not impose an undue burden on, any of the improvements, facilities, utilities or services provided by public agencies serving the subject property.

e. The potential public benefits outweigh any and all potential adverse impacts of the proposed conditional use, after taking into consideration the applicant's proposal and any requirements recommended by the applicant to ameliorate such impacts.

(4) The Zoning Administrator shall prepare a written report addressing items (e)(3)a.-e. above, to be forwarded to the Plan Commission for the Commission's review and use in making its recommendation to the Village Board. If the Zoning Administrator determines that the proposal may be in conflict with the provisions of the Comprehensive Plan, the Zoning Administrator shall note this determination in the report.

(f) **Public Hearing.** Within 50 days of filing of a complete application, the Plan Commission shall hold a public hearing in compliance with Section 84.158 to consider the request.

(g) **Review and Recommendation by the Plan Commission.**

(1) Within 60 days after the public hearing, the Plan Commission may make a written report to the Village Board, and/or may state in the minutes its recommendations regarding the application. Said report and/or minutes may include a formal finding of facts developed and approved by the Plan Commission concerning the requirements of Subsection (e)(3)a.-e. above.

(2) If the Plan Commission fails to make a recommendation within 60 days after the public hearing, the Village Board may hold a public hearing within 30 days after the expiration of said 60 day period. Failure to receive a recommendation from the Plan Commission shall not invalidate the proceedings or actions of the Village Board. If a public hearing is necessary, the Village Board shall provide notice per the requirements so Section 84.158.

(h) **Review and Action by Village Board.**

(1) The Village Board shall consider the recommendation of the Plan Commission regarding the proposed conditional use. The Village Board may request further information and/or additional reports from the Plan Commission, Zoning Administrator, applicant, and/or from any other source.

(2) The Village Board may take final action (by resolution) on the application at the time of its initial meeting or may continue the proceedings at applicant's request. The Village Board may approve the conditional use as originally proposed, may approve the proposed conditional use with modifications, or may deny approval of the proposed conditional use.

(3) If the Village Board wishes to make significant changes in the proposed conditional use, as recommended by the Plan Commission, then the procedure set forth in Section 62.23(7)(d) of the Wisconsin Statutes shall be followed prior to Village Board action.

(i) **Effect of Denial.** No application which has been denied (either wholly or in part) shall be resubmitted for a period of 12 months from the date of said order of denial, except on grounds of new evidence or proof of change of factors found valid by the Zoning Administrator.

(j) **Revocation of an Approved Conditional Use.** Upon approval by the Village Board, the applicant must demonstrate that the proposed conditional use meets all general and specific conditional use requirements in the site plan required for initiation of development activity on the subject property per Section 84.164. Once a conditional use is granted, no erosion control permit, site plan, certificate of occupancy, or building permit shall be issued for any development which does not comply with all requirements of this Chapter. Any conditional use found not to be in compliance with the terms of this Chapter shall be considered in violation of this Chapter and shall be subject to all applicable procedures and penalties. A conditional use may be revoked for such a violation by majority vote of the Village Board, following the procedures outlined in Subsection (i), above.

(k) **Time Limits on the Development of Conditional Use.** Unless extended as a condition of approval, the start of construction of any and all conditional uses shall be initiated within 365 days of its approval by the Village Board and shall be operational within 730 days of said approval. Failure to initiate development within this period shall automatically constitute a revocation of the conditional use. For the purposes of this Section, "operational" shall be defined as the granting of a certificate of occupancy for the conditional use. Prior to such a revocation, the applicant may request an extension of this period. Said request shall require formal approval by the Village Board and shall be based upon a showing of acceptable justification (as determined by the Village Board). However, as a condition of approval, the 365 and/or 730 day time limits may be extended for any specific period including not time limit to accommodate phased or multi-stage development.

(l) **Discontinuing an Approved Conditional Use.** Any and all conditional uses which have been discontinued for a period exceeding 365 days shall have their conditional use invalidated automatically. The burden of proof shall be on the property owner to conclusively demonstrate that the subject conditional use was operational during this period.

(m) **Change of Ownership.** All requirements of the approved conditional use shall be continued regardless of ownership of the subject property; however, submittal of a plan of operation may be required prior to the change in ownership.

(n) **Modification, Alteration, or Expansion.** Modification, alteration, or expansion of any conditional use without approval by the Village Board, shall be considered in violation of this Chapter and shall be grounds for revocation of said conditional use approval per Subsection (j), above. A modification, alteration, or expansion which has been approved as part of a prior valid condition use does not require a new conditional use approval.

(o) **Recording of Conditional Use Requirements.** Except for conditional use approvals for temporary uses, a certified copy of the authorizing resolution, containing identifiable description and any specific requirements of approval, shall be recorded by the Village, at the applicant's expense, with the Register of Deeds for the subject property.

(p) **Formerly Approved Conditional Uses.** A use now regulated as a conditional use which was approved as a legal land use, either permitted by right or as a conditional use, prior to the effective date of this Chapter, shall be considered as a legal, conforming land use so long as the previously approved conditions of use and previously approved site plan are followed. Any modification of the previously approved conditions of use or site plan shall require application and Village consideration under this Section.

(q) **Limited Conditional Uses.** A limited conditional use is any development, activity or operation for which a conditional use permit has been approved that is limited to a specific operator or property owner, or to a specific date or event upon which the conditional use permit either expires or is required to be reviewed and reapproved. The Plan Commission may recommend, and the Village Board may designate, any proposed conditional use request as a limited conditional use. The Plan Commission shall specify which of the following characteristics are present that create the need for the limited conditional use:

(1) A particular aspect of the specific land use.
(2) A particular aspect of the proposed operation (including, but not limited to, operating hours).
(3) A particular aspect of the proposed location.
(4) A particular aspect of the proposed site design.
(5) A particular aspect of the adjacent property or of the surrounding environs.
(6) Any other reason(s) the Village Board deems specially relevant and material.

(r) **Successor Conditional Uses.**

(1) **Definition.** A successor conditional use is a land use which has been granted a conditional use permit by the Village, which is proposed to undergo one or more of the following:

a. Changing from the specific use originally permitted by conditional use to another operation of the same use. (For example, changing from one restaurant to another is permitted. However, changing from a restaurant to a tavern is not permitted even though both are considered Indoor Commercial Entertainment land uses under Section 84.58(d). Likewise, changing from a drive-through restaurant to a drive-through bank is not permitted, even though both are considered In-Vehicle Sales and Service under Section 84.58(i).

b. Only a change in the ownership of the subject property.

c. Only a change in the ownership of the business or other operator of the land use.

d. Other changes explicitly identified in a currently valid conditional use permit which are identified as acceptable as a successor conditional use.

(2) **Purpose.** The purpose of these provisions is to create a process which:

a. Verifies that the proposed change is a valid successor conditional use.

b. Creates a record that the proposed change is recognized by the Village as a successor conditional use.

c. Clarifies that the same conditions of approval, development and operation continue to apply to a successor conditional use.

d. Reduces the costs and time needed to approve a successor conditional use;

(3) **Approval Process.** A successor conditional use shall not require the granting of a new conditional use permit by the Village. However, prior to operation, a successor conditional use shall require the formal reaffirmation of its status as a valid successor conditional use. This required formal reaffirmation shall be issued in writing by the Village Zoning Administrator, or by the designee of the Village Zoning Administrator.

(4) **Proposed Expansions are Not Eligible.** Any physical enlargement of a previously approved conditional use in terms of buildings, structures, activity areas, and/or any expansion of the conditions of operation, beyond the limits of site plans, floor plans and conditions of operation approved through the conditional use process, shall not be eligible for treatment as a successor conditional use, and must seek an amendment to its conditional use permit through the conditional use process.

(5) **Ineligible Land Uses.** The following land uses are not eligible for treatment as a successor conditional use, and shall require approval of a new limited conditional use permit which is specific to both the business owner and to the property owner:

a. Intermediate Home Day Care (9-15 children) land uses in residential zoning districts.

b. Bed and Breakfast land uses in residential zoning districts.

SECTION 84.57 Institutional Land Uses.

(a) **Indoor Institutional.** Indoor public and not for profit recreational facilities (such as gyms, swimming pools, libraries, museums, and community centers), schools, churches, hospitals and walk-in clinics, nonprofit clubs, nonprofit fraternal organizations, convention centers, private institutional businesses, jails, prisons, and similar land uses.

Regulations:

(1) An off-street passenger loading area shall be provided if the majority of the users will be children (as in the case of a school, church, library, or similar land use).

(2) **Minimum required parking**: Generally, one space per three expected patrons at maximum capacity; however, the following specific requirements may apply.

a. **Church**: One space per five seats at the maximum capacity.

b. **Community or Recreation Center**: One space per 300 square feet of gross floor area, or one space per four patrons to the maximum capacity, whichever is greater, plus one space per employee on the largest work shift.

c. **Funeral Home**: One space per three patron seats at the maximum capacity, plus one space per employee on the largest work shift.

d. **Library or Museum**: One space per 300 square feet of gross floor area or one space per four seats to the maximum capacity, whichever is greater, plus one space per employee on the largest work shift.

e. **Elementary or Junior High**: One space per two employees.

f. **Senior High**: One space per two employees, plus 30 percent of maximum capacity.

g. **College or Trade School**: One space per staff member on the largest work shift, plus one space per two students of the largest class attendance period.

eppstein uhen : architects

MIDDLETON-CROSS PLAINS AREA SCHOOL DISTRICT – PARK ELEMENTARY SCHOOL

1209 Park Street, Cross Plains, Wisconsin 53528 February 09, 2020

Letter of Intent

The School District of Middleton-Cross Plains proposes to build a cafeteria and kitchen addition of 7,400sf to the existing Park Elementary School. The addition will not increase the enrolment at the school. The cafeteria addition will allow the school to have separate cafeteria and gymnasium spaces. Currently the school uses one space to serve both functions. The school will continue its current practice of community group access to the existing gymnasium and the new cafeteria for use outside of school hours.

The addition will be located on the northeast corner of the existing school. The exterior materials will be a combination of concrete and clay brick masonry and metal panels. The exterior design will be modern but complementary to the existing architecture. Tall windows will be located on the north side of the addition to take advantage of the views of the existing tree line on the north side of the property.

The east parking lot will be modified to provide additional parking stalls. This will be accomplished by closing the north most existing driveway off of Center Street. A new driveway access will be added further to the north. This will allow for 14 additional park spaces at the east side of the school. A stormwater basin will be located to the east side to the parking lot expansion.

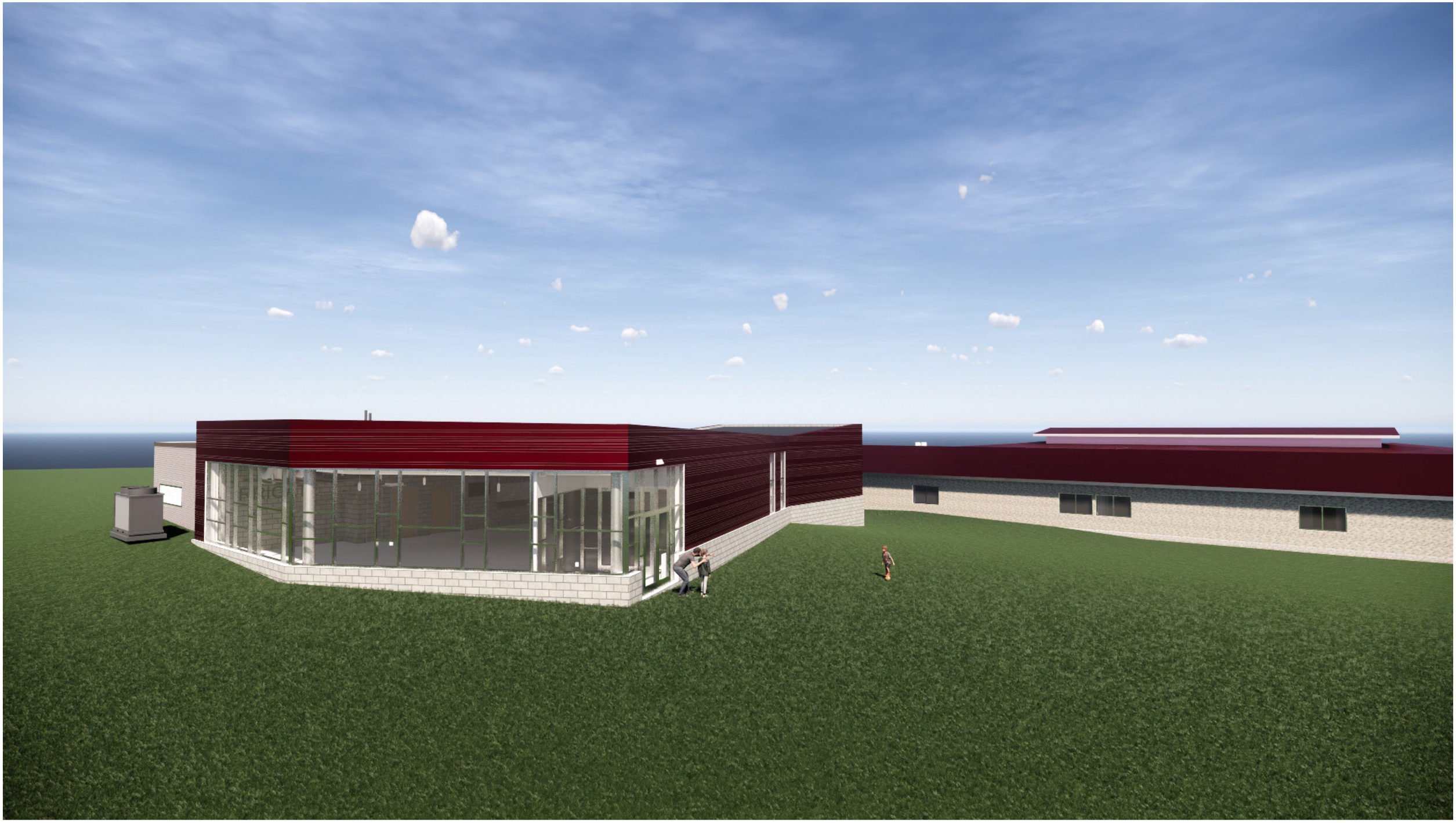
Existing playground equipment will be removed from the east side of the building, while additional equipment will be added to the west side of the school to consolidate playground supervision. The existing ball fields will remain as is.

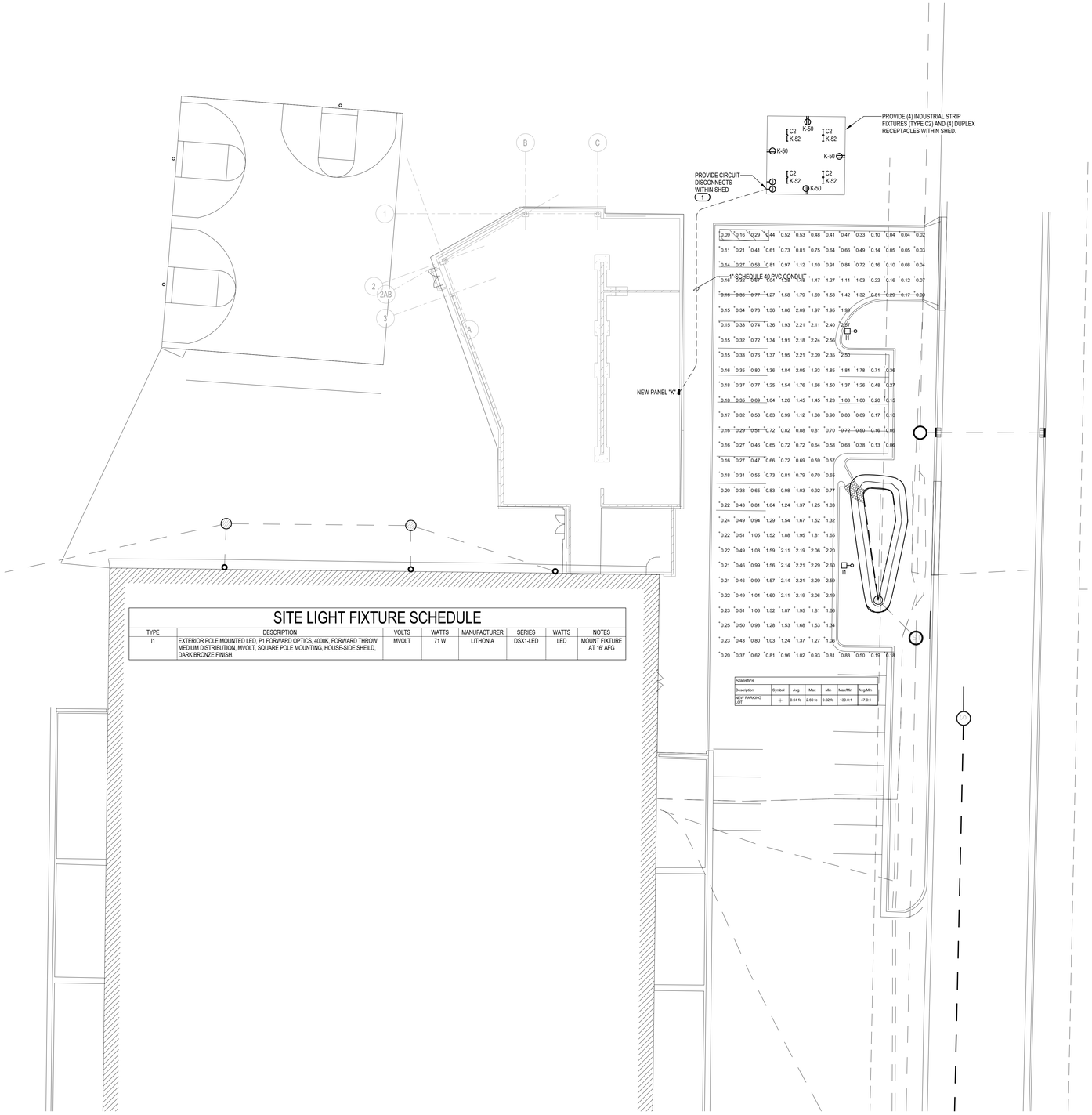
The existing sidewalk along Park Street will be extended to the intersection of Park and Center. This sidewalk will also extend further to the west stopping just short of the existing driveway access off of Park Street.

Construction will begin April 2020 and continue until August 2020.

333 E. Chicago St.
Milwaukee, WI 53202
414 271 5350 : main
414 271 7794 : fax

222 W. Washington Ave.
Suite 650
Madison, WI 53703
608 442 5350 : main
608 442 6680 : fax





Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
NEW PARKING LOT	+	0.94 fc	2.60 fc	0.02 fc	130.0:1	47.0:1

SITE LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	MANUFACTURER	SERIES	WATTS	NOTES
I1	EXTERIOR POLE MOUNTED LED, P1 FORWARD OPTICS, 4000K, FORWARD THROW MEDIUM DISTRIBUTION, MVOLT, SQUARE POLE MOUNTING, HOUSE-SIDE SHEILD, DARK BRONZE FINISH.	MVOLT	71 W	LITHONIA	DSX1-LED	LED	MOUNT FIXTURE AT 16' AFG

1 ELECTRICAL SITE PLAN

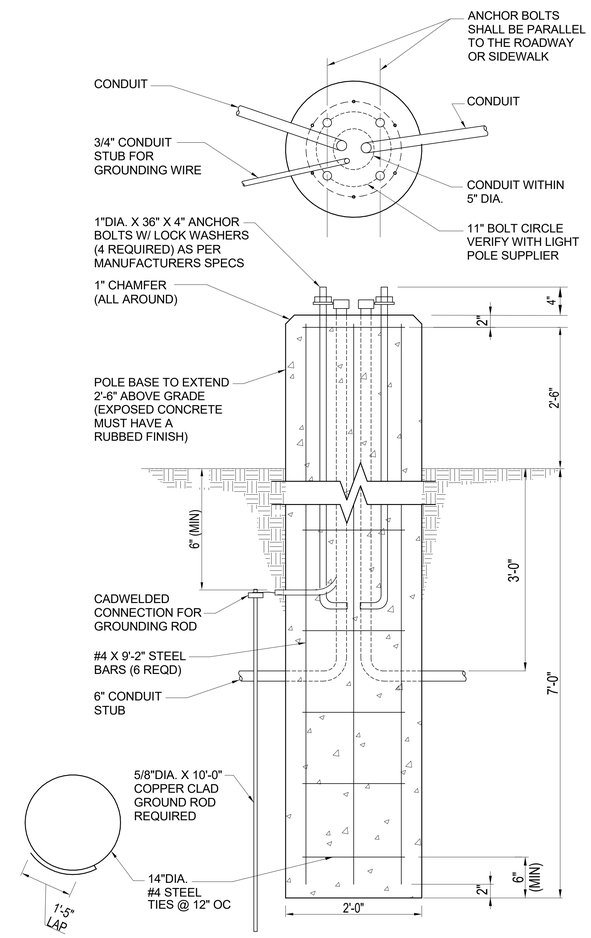
1/16" = 1'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL ELECTRICAL NOTES, SYMBOLS, ABRVIATIONS, AND SCHEDULES

KEYED NOTES

1. PROVIDE (2) 20A CIRCUITS TO SHED.



2 EXTENDED POLE BASE DETAIL

1" = 1'-0"

eua

milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 414.271.5350

madison 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350

des moines 699 Walnut Street, Suite 400 Des Moines, Iowa 50309 515.724.5840

denver 1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

MIDDLETON - CROSS PLAINS AREA SCHOOL DISTRICT - PARK ELEMENTARY RENOVATIONS

1209 Park St. Cross Plains, WI 53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

MEP AN SALASO BRIEN COMPANY

EXPECT A DIFFERENCE

1111 Deming Way, Suite 202 | Madison, WI 53717

P: 608.848.9556 | mepassociates.com | salasobrien.com

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	JKH
PROJECT NUMBER	16517-01

SITE PLAN

E101

© Eppstein Uhen Architects, Inc.

RSX2 LED
Area Luminaire

Catalog Number

Notes

Type

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

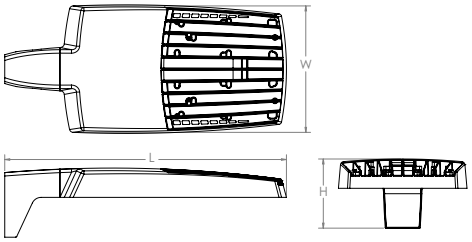
Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor and an adjustable integral slip-fitter are also available.

Specifications

EPA (ft^2@0°):	0.69 ft^2 (0.06 m^2)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight (max):	33.0 lbs (15.0 kg)



Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1 P2 P3 P4 P5 P6	30K 3000K 40K 4000K 50K 5000K	R3 Type 3 Wide R4 Type 4 Wide R5 Type 5 Wide R5S Type 5 Short AFR Automotive Front Row	MVOLT (120V-277V) [1] HVOLT (347V-480V) [2] **(use specific voltage for options as noted)** 120 [3] 277 [3] 208 [3] 347 [3] 240 [3] 480 [3]	SPA Square pole mounting (Min. 3.0"SQ for 1 at 90°, Min. 3.5"SQ for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min pole dia. for 1,2,3 or 4 at 90°) MA Mast arm adaptor (fits 2-3/8"OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8"OD tenon) [4] WBA Wall bracket

Options

Shipped Installed

HS	House-side shield
PE	Photocontrol, button style [5,7]
PEX	Photocontrol external threaded, adjustable [6,7]
PER7	Seven-wire twist-lock receptacle only (no controls) [7,8,9]
CE34	Conduit entry 3/4"NPT (Qty 2)
SF	Single fuse (120, 277, 347) [3]
DF	Double fuse (208, 240, 480) [3]
SPD20KV	20KV Surge pack (10KV standard)
FAO	Field adjustable output
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)

Shipped Separately (requires some field assembly)

EGS	External glare shield
EGFV	External glare full visor (360° around light aperture)
BS	Bird spikes [12]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 5)**

NLTAIR2	nLight AIR generation 2 [10,15]
PIRHN	Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [7,11,14,15]

*Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

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Ordering Information

Accessories
Ordered and shipped separately.

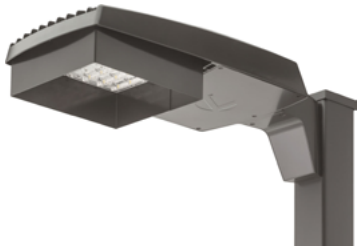
RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS U	External glares hield (specify finish)
RSX2EGFV U	External glare full visor (specify finish)
RSXRPA U	RSX Universal round pole adaptor plate (specify finish)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) [14]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [14]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [14]
DSHORT SBK U	Shorting cap [14]

NOTES
1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
3 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
4 IS maximum tilt is 90° above horizontal.
5 Requires MOVLT or 347V.
6 Requires 120V, 208V, 240V, 277V or 347V.
7 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, PIRHN).
8 Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
9 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
10 Must be ordered with PIRHN.
11 Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
12 Must be ordered with fixture for factory pre-drilling.
13 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
14 Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
15 Requires MVOLT or HVOLT.

External Shields

House Side Shield

External Glare Shield

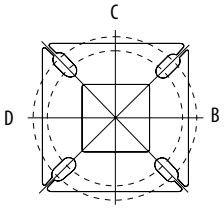


External 360 Full Visor

Pole/Mounting Informatiion

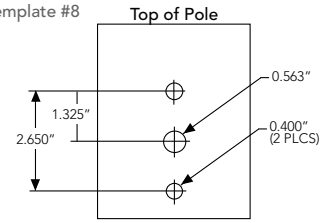
Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

HANDHOLE ORIENTATION

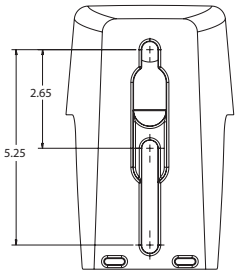


RSX POLE DRILLING

Template #8



RSX STANDARD ARM



Tenon Adapters

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Pole Drilling Nomenclature

Number of heads at degree from handhole (default side A)					
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D
Note: Review luminaire spec sheet for specific nomenclature					

RSX2 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
SPA - Square Pole Adaptor	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
RPA - Round Pole Adaptor		0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
MA - Mast Arm Adaptor		0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
IS - Integral Slipfitter	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
	10°	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20°	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30°	0.64	1.11	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40°	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45°	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50°	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60°	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.13	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
	90°	3.85	5.96	6.55	8.58	8.31	11.88	7.7	11.56	15.41

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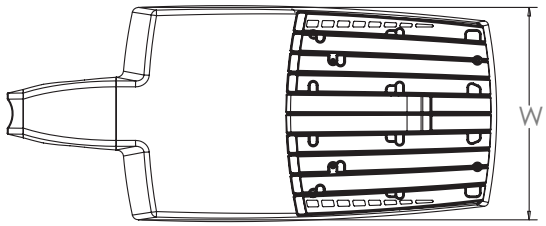
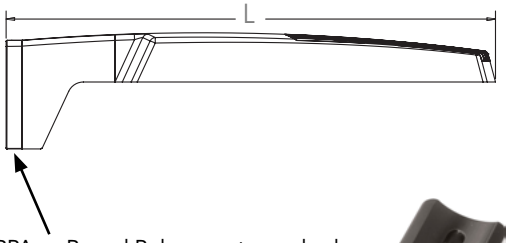
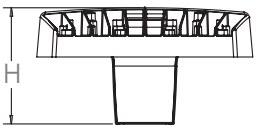
Dimensions

RSX2 with Round Pole Adapter (RPA)



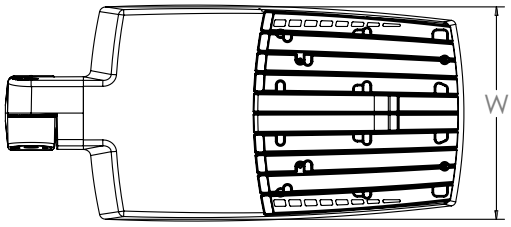


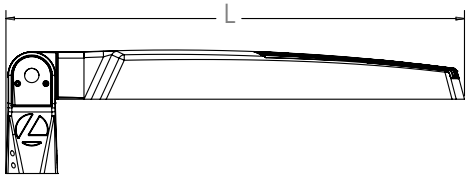


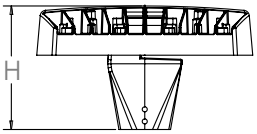
Length: 30.3" (77.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

RSX2 with Adjustable Slipfitter (IS)

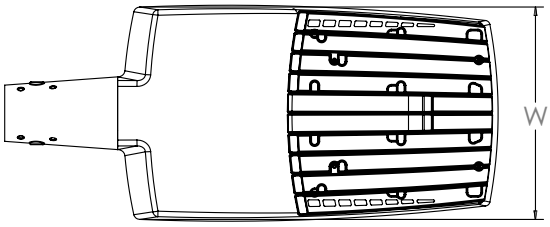


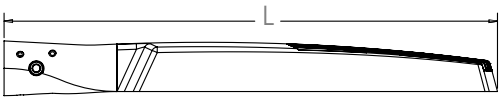




Length: 28.3" (71.9 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm

RSX2 with Mast Arm Adapter (MA)





Length: 30.6" (77.7 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm

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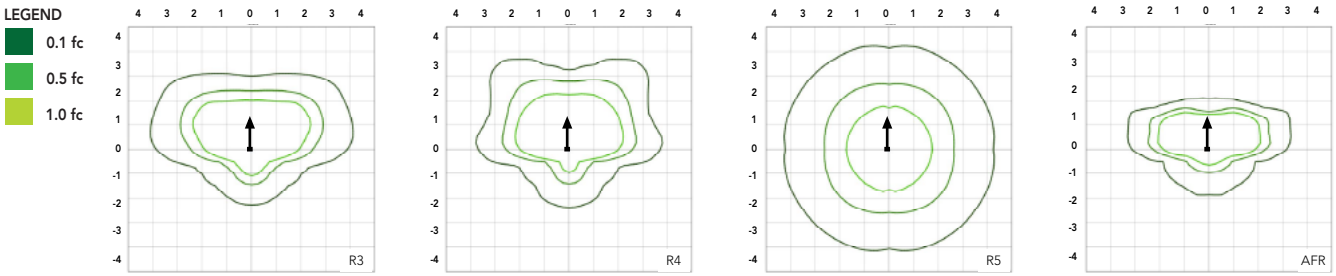
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX2 LED P6 40K. Distances are in units of mounting height (30').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	71W	0.59	0.34	0.30	0.26	0.20	0.15
P2	111W	0.93	0.53	0.46	0.40	0.32	0.23
P3	147W	1.23	0.70	0.61	0.53	0.42	0.31
P4	187W	1.55	0.90	0.78	0.68	0.53	0.38
P5	210W	1.75	1.01	0.87	0.76	0.60	0.44
P6	244W	2.03	1.17	1.01	0.88	0.70	0.51

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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.

Performance Package	System Watts	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R4	10,136	2	0	2	143	11,136	2	0	2	157	11,136	2	0	2	157
		R5	10,271	4	0	2	145	11,285	4	0	2	159	11,285	4	0	2	159
		R5S	10,544	3	0	1	149	11,585	3	0	2	163	11,585	3	0	2	163
		AFR	10,026	2	0	1	141	11,016	2	0	1	155	11,016	2	0	1	155
P2	111W	R3	15,657	2	0	3	141	17,202	3	0	3	155	17,202	3	0	3	155
		R4	15,862	2	0	3	143	17,427	2	0	3	157	17,427	2	0	3	157
		R5	16,075	4	0	2	145	17,661	5	0	3	159	17,661	5	0	3	159
		R5S	16,502	4	0	2	149	18,130	4	0	2	163	18,130	4	0	2	163
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155
P3	147W	R3	19,785	3	0	3	135	21,737	3	0	4	148	21,737	3	0	4	148
		R4	20,044	3	0	3	136	22,022	3	0	4	150	22,022	3	0	4	150
		R5	20,313	5	0	3	138	22,317	5	0	3	152	22,317	5	0	3	152
		R5S	20,852	4	0	2	142	22,910	4	0	2	156	22,910	4	0	2	156
		AFR	19,828	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148
P4	187W	R3	22,756	3	0	4	122	25,002	3	0	4	134	25,002	3	0	4	134
		R4	23,054	3	0	4	123	25,329	3	0	4	135	25,329	3	0	4	135
		R5	23,363	5	0	3	125	25,669	5	0	4	137	25,669	5	0	4	137
		R5S	23,983	4	0	2	128	26,350	4	0	2	141	26,350	4	0	2	141
		AFR	22,806	3	0	2	122	25,056	3	0	2	134	25,056	3	0	2	134
P5	210W	R3	26,049	3	0	4	124	28,620	3	0	4	136	28,620	3	0	4	136
		R4	26,390	3	0	4	126	28,994	3	0	4	138	28,994	3	0	4	138
		R5	26,744	5	0	4	127	29,383	5	0	4	140	29,383	5	0	4	140
		R5S	27,454	4	0	2	131	30,163	4	0	2	144	30,163	4	0	2	144
		AFR	26,106	3	0	2	124	28,682	3	0	2	137	28,682	3	0	2	137
P6	244W	R3	27,549	3	0	4	113	30,267	3	0	4	124	30,267	3	0	4	124
		R4	27,909	3	0	4	114	30,663	3	0	4	126	30,663	3	0	4	126
		R5	28,284	5	0	4	116	31,075	5	0	4	127	31,075	5	0	4	127
		R5S	29,035	4	0	2	119	31,900	5	0	3	131	31,900	5	0	3	131
		AFR	27,609	3	0	2	113	30,334	3	0	2	124	30,334	3	0	2	124

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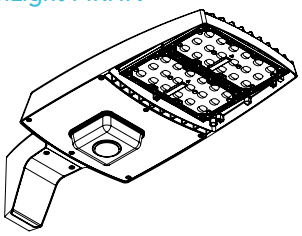
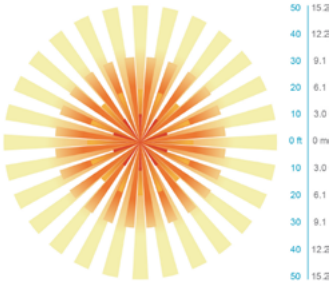
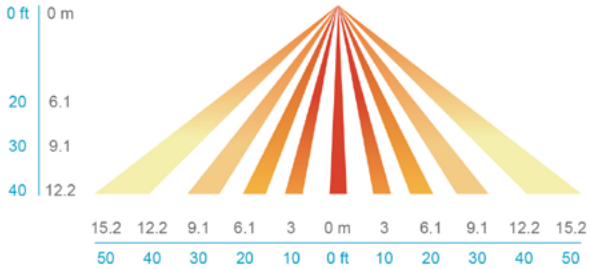
PIRHN nLight Sensor Coverage Pattern

nLight PIRHN





Top



Side

Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX2 delivers 11,000 to 31,000 lumens and is ideal for replacing 250W to 1000W HID pole-mounted luminaires in parking lots and other area lighting applications..

CONSTRUCTION AND DESIGN
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for a 1.5 G vibration load per ANSI C136.31.

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 superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 3, Type 4, Type 5, Type 5S and AFR (Automotive Front Row).

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. See chart above for motion sensor default out-of-box settings. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slip fitter has an integral junction box and offers easy installation. IS adjustable slipfitter is not rated for tilting above 90° or mounting within 4 feet of ground. Can be tilted up to 90° above horizontal.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/resources/terms-and-conditions

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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PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI 53528

DESIGN DEVELOPMENT SET

PROGRESS DOCUMENTS

12/19/2019 **PROJECT NUMBER: 16517-01**

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ABBREVIATIONS

A	
A/C	air condition
A/E	Architect/Engineer
ACT	acoustical ceiling tile
ADDL	additional
ADDM	addendum
ADJ	adjustable
AFC	above finished counter
AFF	above finished floor
AFG	above finished grade
AFS	above finished slab
ALT	alternate
ALUM	aluminum
APPD	approved
APT	apartment
AP	acoustical panel
ASC	above suspended ceiling
B	
BB	baseboard
BLDG	building
BLT	borrowed lite
BLW	below
BPL	base plate
BO	bottom of
BOS	bottom of steel
C	
CB	catch basin, construction bulletin
CF/CI	contractor furnished, contractor installed
CF/OI	contractor furnished, owner installed
CF/VI	contractor furnished, vendor installed
CG	corner guard
CIP	cast-in-place
CNTR	counter
CL	centerline
CLG	ceiling
CLR	clear
CM	construction management
CM	construction manager
CMU	concrete masonry unit
CO	cleanout
COL	column
CONC	concrete
CORR	corridor
CPT	carpet
CSWK	casework
CT	ceramic tile
CW	cold water
CTB	ceramic tile base
D	
DEMO	demolition
DEPT	department
DF	drinking fountain
DIA	diameter
DP	decorative panel
DR	door
DR FR	door frame
DTL	detail
DS	downspout
DW	dishwasher
DWG	drawing
E	
E	east
EIFS	exterior insulation & finish system
EL	elevation
EJ	expansion joint
ELEC	electric
ELEC	electrical
ELEV	elevator
EP	epoxy
EPS	expanded polystyrene board
EQ	equal
ETR	existing to remain
EXIST	existing
EXT	exterior
F	
F	female
F	filler
FA	fire alarm
FA	fluid-applied
FAB	fabric
FC	file cabinet
FD	floor drain
FE	fire extinguisher
FEC	fire extinguisher cabinet
FHC	fire hose cabinet
FLR	floor
FM	factory mutual
FM	floor mat
FO	finished opening
FP	fire protection
FP	fireproof
FPL	fireplace
FT	fire treated
FTG	footing
G	
GA	guage
GALV	galvanized
GB	grab bar
GC	general contractor
GL	glass
GLU LAM	glue laminated
GR	grade, grading
GT	grout
GYP BD	gypsum
H	
HB	hose bibb
HC	hollow core
HM	hollow metal
HORIZ	horizontal
HSKP	housekeeping
HGT	height
HVAC	heating, ventilating & air conditioning
HW	hot water
HWY	highway
I	
ID	inside diameter
INSUL	insulation
INT	interior
J	
JS	janitor sink
L	
LAM	laminate
LAV	lavatory
LL	live load
M	
MAX	maximum
MC	modular carpet tile
MECH	mechancal
MFR	manufacturer
MICRO	microwave
MIN	minimum
MIN	minute
MISC	miscellaneous
MJ	movement joint
MO	masonry opening
MS	mop sink
MTL	metal
N	
N	north
NA	not applicable
NIC	not in contract
NO	number
NM	nominal
NS	no scale
NTS	not to scale
O	
OC	on center
OD	outside diameter
OF/CI	owner furnished, cointractor installed
OF/OI	owner furnished, owner installed
OF/VI	owner furnished, vendor installed
OH DR	overhead door
OPH	opposite hand
OPNG	opening
P	
PJ	panel joint
PLAM	plastic laminate
PLYWD	plywood
PNL	panel
PREFAB	prefabricated
PREFIN	prefinished
PSI	pounds per square inch
PT	paint
PTN	partition
Q	
QT	quarry tile
QTB	quarry tile base
R	
RB	resilient base
RCP	reflected ceiling plan
RD	roof drain
REBAR	reinforcing steel bars
REC	recess
REF	reference
REF	refrigerator
RF	resilient flooring
REV	revision
RFS	room finish schedule
RO	rough opening
S	
S	south
SAN	sanitary
SC	sealed concrete
SC	solid core
SF	square foot
SIM	sim
SS	solid surface
SST	stainless steel
ST	stain
ST	stair
STN	stone
STNB	stone base
STRUCT	structure
T	
T&M	time & materials
TEMP	temperature
TEMP	temporary
TER	terrazzo
TERB	terrazzo base
TFF	top of finished floor
TKBD	tackboard
TO	top of
TOB	top of beam
TOC	top of concrete
TOJ	top of joist
TOPO	topography
TOS	top of slab
TOS	top of steel
TYP	typical
U	
UNO	unless noted otherwise
V	
VERT	vertical
VF/CI	vendor furnished, contractor installed
VF/OI	vendor furnished,. owner installed
VF/VI	vendor furnished, vendor installed
VNR	veneer
VIF	verify in field
W	
W	west
W/	with
W/O	without
WC	water closet
WC	wall covering
WD	wood
WDB	wood base
WDV	wood veneer
WH	water heater
WP	wall protection
WP	work point
WT	window treatment
X	
XPS	extruded polystyrene board (insulated)

SYMBOL LEGEND

CALLOUTS

- 19 / TITLE / 1/2" = 1'-0" — VIEW NUMBER, VIEW NAME, VIEW SCALE
- Level 0'-0" — ELEVATION DATUM
- SIM 00 A000 — BUILDING SECTIONS
- SIM 00 A000 — OTHER SECTIONS
- A2 A000-000 A1 A3 A4 — ELEVATIONS
- 000 A000 — DETAILS

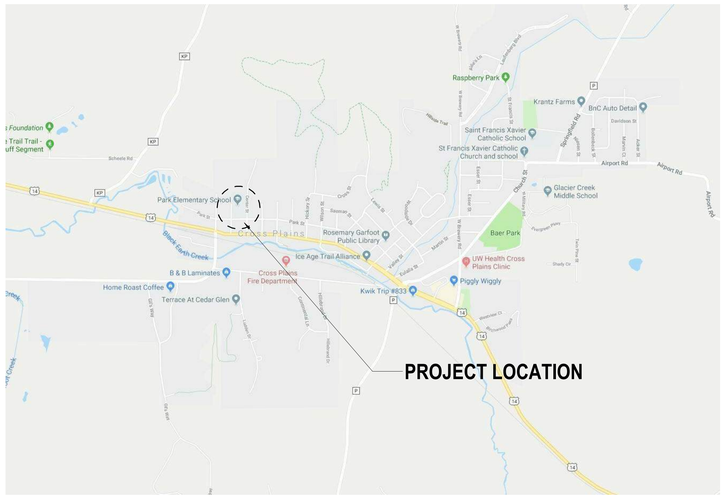
TAGS

- XXX XX — WALL
- 000 — DOOR
- 000-00 — KEYNOTE
- 000 — FURNITURE
- 000 — EQUIPMENT
- XX 000 — WINDOW
- 000 W" x H" x D" — CASEWORK
- FLOOR / BASE / WALL / REMARKS — FINISH PLAN
- TYPE / HEIGHT — CEILING
- NAME 0000 — ROOM

GRAPHICS

- N PLAN, N TRUE — NORTH ARROW
- DIMENSION REFERENCES: EQ EQ EQ — TO OBJECT CENTER; 5'-0" 4'-0" — TO OBJECT FACE OR OTHER GEOMETRY
- CONSTRUCTION PHASES: EXISTING, DEMOLITION, NEW
- GRID AND GRID IDENTIFICATION: NEW B A 1 2; EXISTING B A 1 2

VICINITY MAP



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SHEET INDEX

GENERAL
G000 INDEX
G101 FIRST FLOOR LIFE SAFETY PLAN

CIVIL
C100 NOTES & LEGENDS
C200 EXISTING CONDITIONS
C300 DEMOLITION PLAN
C400 SITE AND UTILITY PLAN
C500 OVERALL GRADING AND EROSION CONTROL PLAN
C501 NORTH GRADING AND EROSION CONTROL PLAN
C600 DETAILS

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AS101 ARCHITECTURAL SITE PLAN OVERLAY

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S002 STRUCTURAL SCHEDULES
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S810 FRAMING DETAILS

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AD101B FIRST FLOOR DEMOLITION PLAN - AREA B

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A020 ADA REQUIREMENTS
A100 FIRST FLOOR PLAN - OVERALL
A101A FIRST FLOOR - AREA A
A101B FLOOR PLAN - AREA B
A109 ROOF PLAN - AREA B
A111A FIRST FLOOR RCP - AREA A
A111B FIRST FLOOR RCP - AREA B
A121A FIRST FLOOR FINISH PLAN - AREA A
A121B FIRST FLOOR FINISH PLAN - AREA B
A200 EXTERIOR ELEVATIONS
A230 INTERIOR ELEVATIONS - CASEWORK
A240 INTERIOR ELEVATIONS - FINISHES
A300 BUILDING SECTIONS
A310 WALL SECTIONS
A400 ENLARGED FLOOR PLANS
A600 DOOR AND FRAME SCHEDULE

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P001 PLUMBING LEGENDS, SYMBOLS & ABBREVIATIONS
PD111 FIRST FLOOR BELOW GRADE PLUMBING DEMOLITION PLANS
PD112 FIRST FLOOR PLUMBING DEMOLITION PLANS
P111 FIRST FLOOR BELOW GRADE PLUMBING PLAN
P121 FIRST FLOOR PLUMBING PLAN

MECHANICAL
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MD101 FIRST FLOOR MECHANICAL DEMOLITION PLAN
M101 FIRST FLOOR MECHANICAL PLANS - AREA A
M102 FIRST FLOOR MECHANICAL PLANS - AREA B
M401 MECHANICAL DETAILS
M402 MECHANICAL DETAILS
M501 MECHANICAL SCHEDULES
M601 MECHANICAL CONTROL DIAGRAMS
M602 MECHANICAL INPUT/OUTPUT SUMMARY

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ED100 ELECTRICAL DEMOLITION PLANS
E100 OVERALL PLANS
E101 SITE PLAN
E111 FIRST FLOOR LIGHTING PLAN
E121 FIRST FLOOR POWER & SYSTEMS PLAN
E401 ENLARGED PLANS - KITCHEN

FOOD SERVICE
FS100 FOOD SERVICE EQUIPMENT PLAN

eua

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PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
11/14/2019	SCHEMATIC DESIGN SET
12/19/2019	DESIGN DEVELOPMENT SET

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

INDEX

G000

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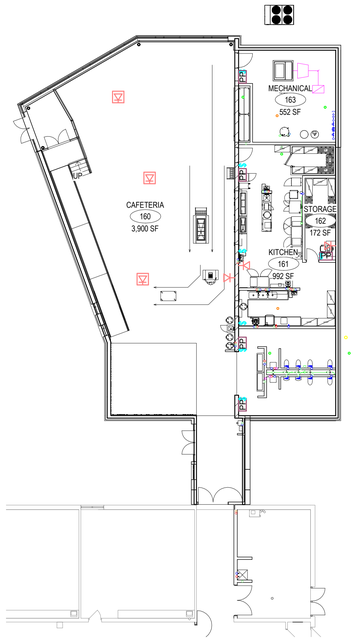


D1 OCCUPANCY PLAN - ADDITION
1/16" = 1'-0"

OCCUPANCY SCHEDULE - ADDITION

Number	Name	Function of Space Room Key	Area	Area per Occupant	Gross or Net	Occupant Total	Comments
163	MECHANICAL	Accessory Storage / MechEquipment	551.78 SF	300	Gross	2	
162	STORAGE	Accessory Storage / MechEquipment	171.58 SF	300	Gross	1	
160	CAFETERIA	Assembly w/o Fixed Seats - Unconcentrated	3,900.04 SF	15	Net	261	
161	KITCHEN	Kitchen - Commerical	991.87 SF	200	Gross	5	
Grand total: 4			5,615.27 SF			269	

MEANS OF EGRESS

X" FROM ROOM OR LEVEL
X = CLEAR WIDTH OF OPENING IN INCHES

X" EXIT DISCHARGE
X = CLEAR WIDTH OF OPENING IN INCHES

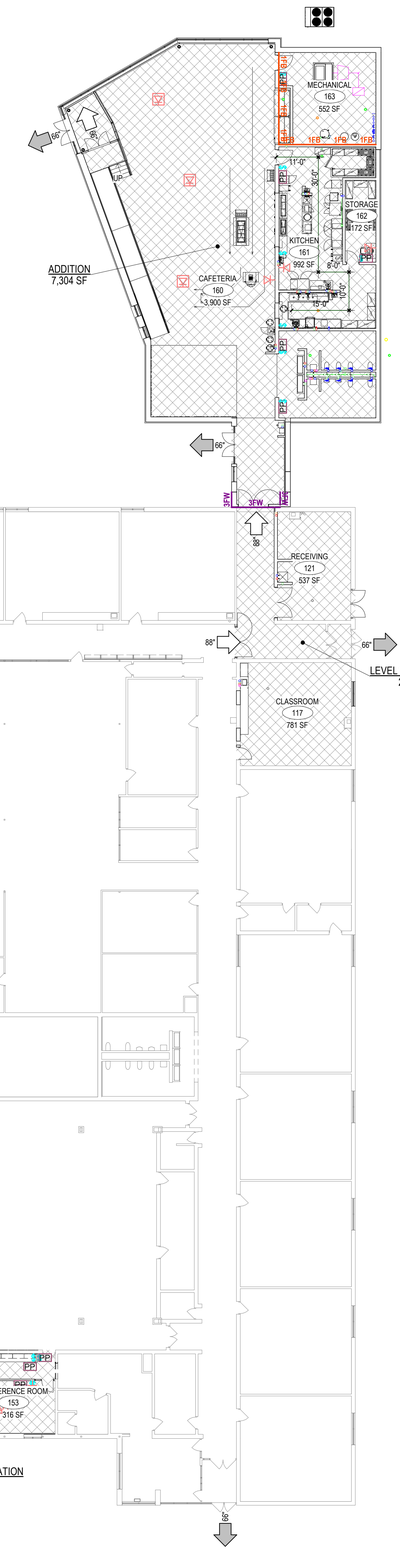
FIRE RESISTIVE LEGEND

FIRE WALLS	
4FW 4FW 4FW 4FW 4FW 4FW 4FW	4 HOUR FIRE WALL
3FW 3FW 3FW 3FW 3FW 3FW 3FW	3 HOUR FIRE WALL
2FW 2FW 2FW 2FW 2FW 2FW 2FW	2 HOUR FIRE WALL
FIRE BARRIERS	
4FB 4FB 4FB 4FB 4FB 4FB 4FB	4 HOUR FIRE BARRIER
3FB 3FB 3FB 3FB 3FB 3FB 3FB	3 HOUR FIRE BARRIER
2FB 2FB 2FB 2FB 2FB 2FB 2FB	2 HOUR FIRE BARRIER
1FB 1FB 1FB 1FB 1FB 1FB 1FB	1 HOUR FIRE BARRIER
SHAFT ENCLOSURES	
2SE 2SE 2SE 2SE 2SE 2SE 2SE	2 HOUR SHAFT ENCLOSURE
1SE 1SE 1SE 1SE 1SE 1SE 1SE	1 HOUR SHAFT ENCLOSURE
SMOKE BARRIERS	
4SB 4SB 4SB 4SB 4SB 4SB 4SB	4 HOUR SMOKE BARRIER
3SB 3SB 3SB 3SB 3SB 3SB 3SB	3 HOUR SMOKE BARRIER
2SB 2SB 2SB 2SB 2SB 2SB 2SB	2 HOUR SMOKE BARRIER
1SB 1SB 1SB 1SB 1SB 1SB 1SB	1 HOUR SMOKE BARRIER
FIRE PARTITIONS	
1FP 1FP 1FP 1FP 1FP 1FP 1FP	1 HOUR FIRE PARTITION
0.5FP 0.5FP 0.5FP 0.5FP 0.5FP 0.5FP 0.5FP	0.5 HOUR FIRE PARTITION
0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.5 HOUR CORRIDOR PARTITION (FOR EXISTING HOSPITAL CONSTRUCTION ONLY)
SMOKE TIGHT PARTITIONS	
X X X X X X X	SMOKE TIGHT PARTITION
XC XC XC XC XC XC XC	SMOKE TIGHT PARTITION (TO SMOKE TIGHT CEILING)
XP XP XP XP XP XP XP	SMOKE TIGHT PARTITION (WITHIN PLENUM ABOVE CEILING)
XI XI XI XI XI XI XI	SMOKE TIGHT PARTITION (SEPARATION OF INTERSTITIAL SPACES)
BEARING WALLS	
2BW 2BW 2BW 2BW 2BW 2BW 2BW	2 HOUR BEARING WALL
1BW 1BW 1BW 1BW 1BW 1BW 1BW	1 HOUR BEARING WALL

PROJECT DATA

OWNER	
MIDDLETON CROSS PLAINS AREA SCHOOL DISTRICT	
LOCATION	
MUNICIPALITY:	CROSS PLAINS
COUNTY:	DANE COUNTY
STATE:	WISCONSIN
APPLICABLE BUILDING CODES	
2015 IBC AS MODIFIED BY CHAPTERS SPS 361-366 MAY 1, 2018	
2015 INTERNATIONAL EXISTING BUILDING CODE	
NFPA 101 LIFE SAFETY CODE (2012)	
CONSTRUCTION CLASSIFICATION	
EXISTING: TYPE IIB	
ADDITION: TYPE IIB	
OCCUPANCY GROUP	
A-2 (ASSEMBLY)	
A-3 (ASSEMBLY)	
B (BUSINESS)	
E (EDUCATION)	
S-1 (STORAGE)	
U (UTILITY & MISC)	
PROJECT TYPE	
ALTERATION - LEVEL 2	
ADDITION	
NUMBER OF STORIES	
ONE LEVEL	
BLDG GROSS AREA (SQ FT)	
EXISTING BUILDING: 46,289	
ADDITION: 7,399	
SEE "GENERAL BUILDING HEIGHT AND AREA" TABLE	
FIRE PROTECTION	
FIRE ALARM	COMPLETE
FIRE SUPPRESSION:	NONE
MONITORING TYPE	CENTRAL STATION
NFPA STANDARD USED	13
FIRE RESISTIVE RATINGS	
STAIR ENCLOSURES	NONE
ELEVATOR ENCLOSURES	1 HOUR
FLOORS	0 HOUR
ROOFS	0 HOUR
EXTERIOR WALLS	0 HOUR
LOWER LEVEL STORAGE SPACES	0 HOUR

AREA OF WORK



A5 LIFE SAFETY PLAN
1/16" = 1'-0"

eua

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PROJECT INFORMATION

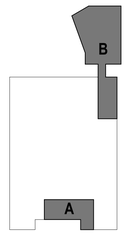
PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
11/14/2019	SCHEMATIC DESIGN SET
12/19/2019	DESIGN DEVELOPMENT SET

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

FIRST FLOOR LIFE SAFETY PLAN

G101

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TOPOGRAPHIC SYMBOL LEGEND

- EXISTING BOLLARD
- EXISTING FLAG POLE
- EXISTING MAILBOX
- EXISTING MONITORING WELL
- EXISTING POST
- EXISTING SIGN (TYPE NOTED)
- EXISTING PARKING METER
- EXISTING CURB INLET
- EXISTING ENDWALL
- EXISTING FIELD INLET RECTANGULAR
- EXISTING FIELD INLET
- EXISTING ROOF DRAIN CLEANOUT
- EXISTING ROOF DRAIN
- EXISTING STORM MANHOLE
- EXISTING STORM MANHOLE RECTANGULAR
- EXISTING SANITARY CLEANOUT
- EXISTING SANITARY MANHOLE
- EXISTING SEPTIC VENT
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING WATER MAIN VALVE
- EXISTING CURB STOP
- EXISTING WELL
- EXISTING WATER MANHOLE
- EXISTING GAS VALVE
- EXISTING GAS METER
- EXISTING AIR CONDITIONING PEDESTAL
- EXISTING DOWN GUY
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC RECTANGULAR MANHOLE
- EXISTING ELECTRIC PEDESTAL
- EXISTING TRANSFORMER
- EXISTING ELECTRIC METER
- EXISTING GUY POLE
- EXISTING LIGHT POLE
- EXISTING GENERIC LIGHT
- EXISTING UTILITY POLE
- EXISTING TV MANHOLE
- EXISTING TV RECTANGULAR MANHOLE
- EXISTING TV PEDESTAL
- EXISTING TELEPHONE MANHOLE
- EXISTING TELEPHONE PEDESTAL
- EXISTING UNIDENTIFIED MANHOLE
- EXISTING UNIDENTIFIED UTILITY VAULT
- EXISTING HANDICAP PARKING
- EXISTING TRAFFIC SIGNAL
- EXISTING SHRUB
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- EXISTING BORING

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING UNDERGROUND CABLE TV
- EXISTING OVERHEAD CABLE TV
- EXISTING FIBER OPTIC LINE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING RETAINING WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GENERAL FENCE
- EXISTING WIRE FENCE
- EXISTING WOOD FENCE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING GUY LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING OVERHEAD GENERAL UTILITIES
- EXISTING SANITARY FORCE MAIN (SIZE NOTED)
- EXISTING SANITARY SEWER LINE (SIZE NOTED)
- EXISTING STORM SEWER LINE (SIZE NOTED)
- EXISTING EDGE OF TREES
- EXISTING WATER MAIN (SIZE NOTED)
- EXISTING WETLAND DELINEATION
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR

SITE PLAN LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER (REVERSE CURB HATCHED)
- PROPOSED CHAIN LINK FENCE
- PROPOSED WOOD FENCE
- PROPOSED CONCRETE
- PROPOSED LIGHT-DUTY ASPHALT
- PROPOSED HEAVY-DUTY ASPHALT
- PROPOSED SIGN
- PROPOSED LIGHT POLE
- PROPOSED BOLLARD
- PROPOSED ADA DETECTABLE WARNING FIELD
- PROPOSED HANDICAP PARKING

ABBREVIATIONS

TC – TOP OF CURB
FF – FINISHED FLOOR
FL – FLOW LINE
SW – TOP OF WALK
TW – TOP OF WALL
BW – BOTTOM OF WALL

PROPOSED UTILITY LEGEND

- STORM SEWER PIPE
- STORM SEWER MANHOLE
- STORM SEWER ENDWALL
- STORM SEWER CURB INLET
- STORM SEWER CURB INLET W/MANHOLE
- STORM SEWER FIELD INLET
- ROOF DRAIN CLEANOUT
- SANITARY SEWER PIPE (GRAVITY)
- SANITARY SEWER PIPE (FORCE MAIN)
- SANITARY SEWER LATERAL PIPE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER MAIN
- WATER SERVICE LATERAL PIPE
- FIRE HYDRANT
- WATER VALVE
- CURB STOP
- WATER VALVE MANHOLE
- PROPOSED PIPE INSULATION
- GAS MAIN
- ELECTRIC SERVICE

ABBREVIATIONS

STMH – STORM MANHOLE
FI – FIELD INLET
CI – CURB INLET
CB – CATCH BASIN
EW – ENDWALL
SMH – SANITARY MANHOLE

GRADING LEGEND

- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- DITCH CENTERLINE
- SILT FENCE
- DISTURBED LIMITS
- BERM
- DRAINAGE DIRECTION
- PROPOSED SLOPE ARROWS
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- STONE WEEPER
- VELOCITY CHECK
- INLET PROTECTION
- EROSION MAT CLASS A TYPE 1
- EROSION MAT CLASS B TYPE 1
- TRACKING PAD
- RIP RAP

GENERAL NOTES:

1. INSTALL A 50'L X 20'W X 1.5'D TRACKING PAD AT THE SITE ENTRANCE. THE TRACKING PAD SHALL BE MAINTAINED/REPAIRED AS NECESSARY TO ACCOMMODATE CONSTRUCTION.
2. THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR. ALL MAINTENANCE/REPAIR WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
3. UTILITY STRUCTURE RIM AND TOP OF CURB ELEVATIONS ON PLANS ARE APPROXIMATE. UTILITY STRUCTURES SHALL BE SET TO FINAL ELEVATIONS AFTER THE CURB & GUTTER AND BASE COURSE HAVE BEEN INSTALLED.
4. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED DURING CONSTRUCTION TO PUBLIC PROPERTY, PRIVATE PROPERTY OR UTILITIES.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER, PRIOR TO PLACING AN ORDER OF ANY SUCH ITEM.
6. EXISTING TOPOGRAPHIC INFORMATION IS BASED ON FIELD OBSERVATIONS AND/OR PLAN OF RECORD DRAWINGS. CONTRACTOR SHALL VERIFY TOPOGRAPHIC INFORMATION PRIOR TO STARTING CONSTRUCTION.
7. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING SANITARY SEWER, STORM SEWER AND WATER MAIN PRIOR TO CONSTRUCTION TO ENSURE PROPER CLEARANCE OF THE NEW UTILITIES. CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THE EXISTING UTILITIES AND ANY REPAIRS NEEDED AS A RESULT OF THE DAMAGE SHALL BE AT THE EXPENSE OF THE CONTRACTOR REGARDLESS OF THE LOCATION MARKED IN THE FIELD OR SHOWN ON THE PLANS.
8. THE CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO ADJACENT ROADS BY MEANS OF STREET SWEEPING (NOT FLUSHING) AT A MINIMUM OF THE END OF EACH WORK DAY OR MORE AS NEEDED.
9. RIGHT OF WAY (ROW) AND PROPERTY LINES ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PROPERTY CORNER MONUMENTATION. ANY MONUMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
10. CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
11. INSTALL WATER MAIN AT ADEQUATE DEPTH (MIN 6.5' OF COVER) TO AVOID CONFLICT WITH PROPOSED SANITARY SEWER AND STORM SEWER PER DNR STANDARDS EXCEPT WHERE NOTED ON THE PLANS. MAINTAIN MINIMUM 1.5' CLEAR SEPARATION IF WATER CROSSES BELOW SEWER AND MINIMUM 0.5' IF WATER CROSSES ABOVE.
12. SANITARY MANHOLES WITH SEWER MAIN CONNECTIONS GREATER THAN 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN EXTERNAL DROP. MANHOLES WITH SEWER LATERAL CONNECTIONS GREATER THAT 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN INTERNAL DROP.
13. INSTALL 1 SHEET OF 4'x8'x4" HIGH DENSITY STYROFOAM INSULATION AT ALL LOCATIONS WHERE STORM SEWER CROSSES WATER MAIN OR WATER LATERALS.
14. DIMENSIONS RELATING TO CURB ARE TO FACE OF CURB.
15. CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADES SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
16. CROSS-SLOPE OF SIDEWALKS SHALL BE 1.5% UNLESS OTHERWISE NOTED.
17. LONGITUDINAL GRADE OF SIDEWALK RAMPS SHALL NOT EXCEED 8.33% (1:12) AND SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.
18. LONGITUDINAL GRADE OF SIDEWALK SHALL NOT EXCEED 5.0% OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER.
19. ACCESSIBLE ROUTES SHALL BE 5% MAX LONGITUDINAL SLOPE AND 1.5% MAX CROSS SLOPE. ACCESSIBLE LOADING AREAS OR LANDINGS SHALL BE 2% MAX SLOPE IN ANY DIRECTION. RAMPS SHALL BE 8.33% MAX SLOPE.

UTILITY NOTES:

1. SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
2. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
4. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT-OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING, ABANDONMENT, AND DRIVEWAY CONNECTION PERMITS PRIOR TO CONSTRUCTION.
5. FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
6. IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
7. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
8. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
9. PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).
10. PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 – SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
11. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
12. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b.).
13. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
14. SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
15. CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
16. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATIONS WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES DAMAGED WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTACT ENGINEER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
18. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
20. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.

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des moines — 699 Walnut Street, Suite 400, Des Moines, Iowa 50309, 515.724.5840
denver — 1899 Wynkoop Street, Suite 300, Denver, Colorado 80202, 303.595.4500

PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

1029 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

12/19/19	DESIGN DEVELOPMENT SET

KEY PLAN

vierbicher
planners | engineers | advisors
Phone: (800) 261-3898

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

NOTES & LEGENDS

C 100

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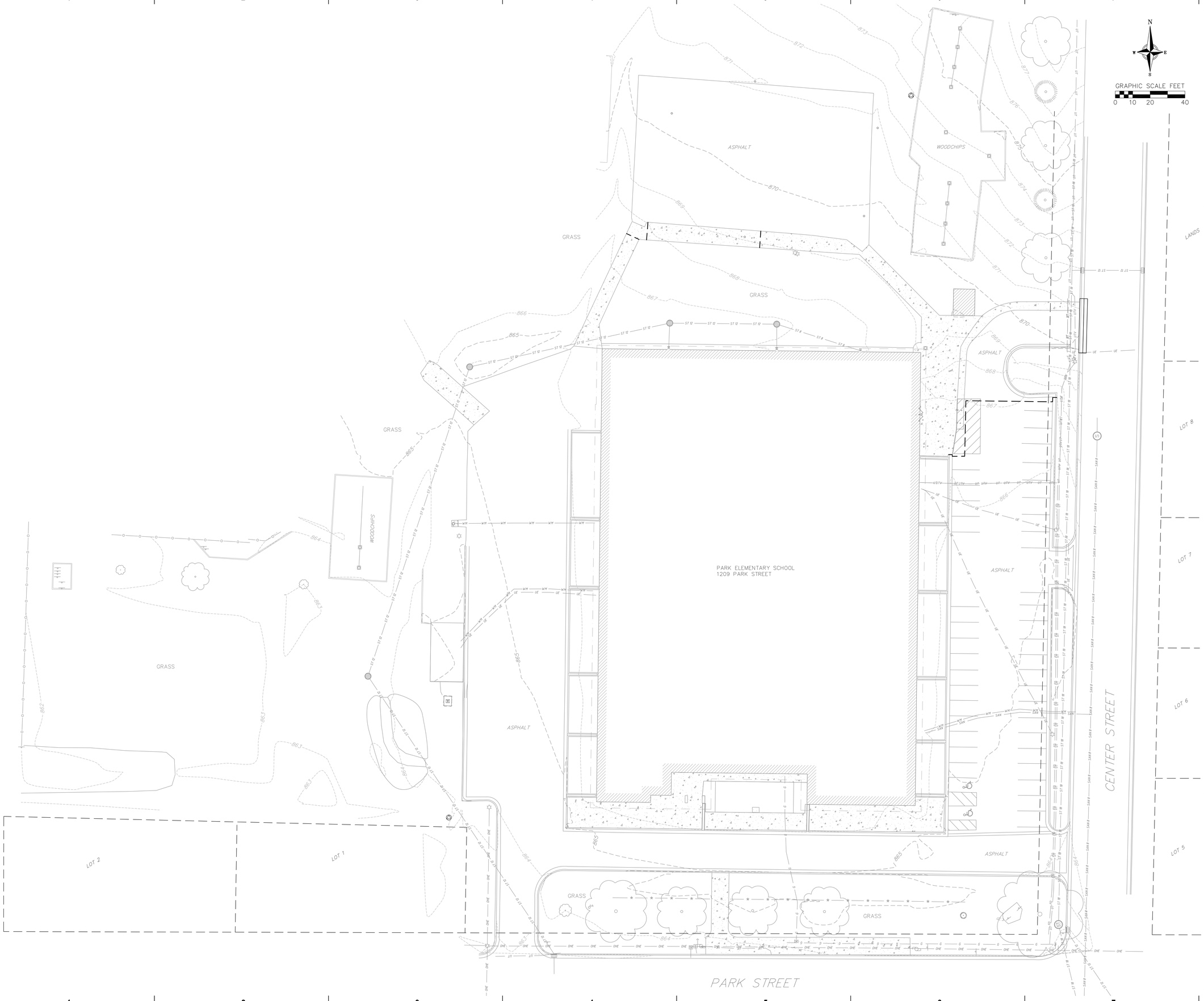

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

EXISTING CONDITIONS

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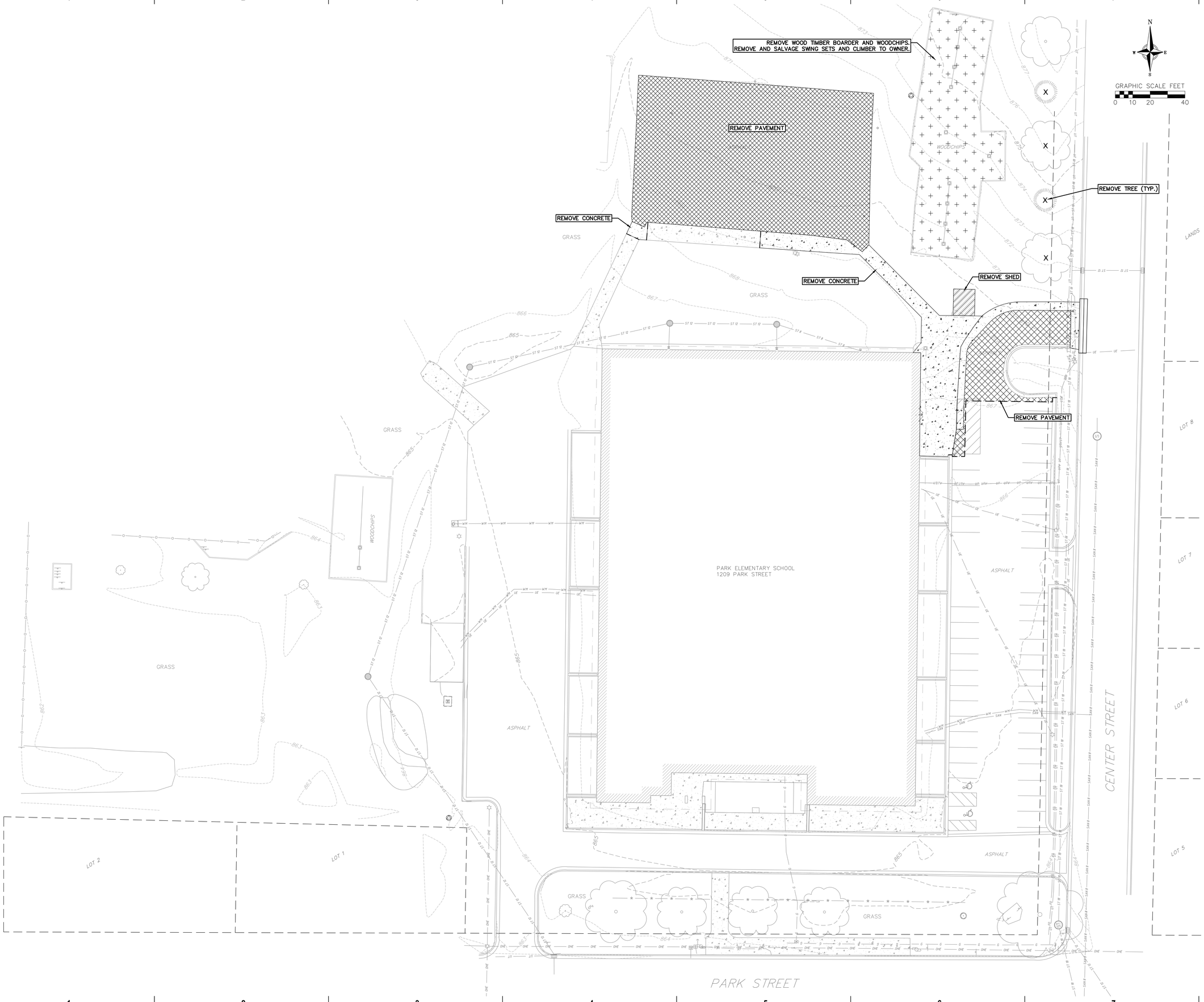

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PROJECT NUMBER	16517-01

DEMOLITION PLAN

C 300

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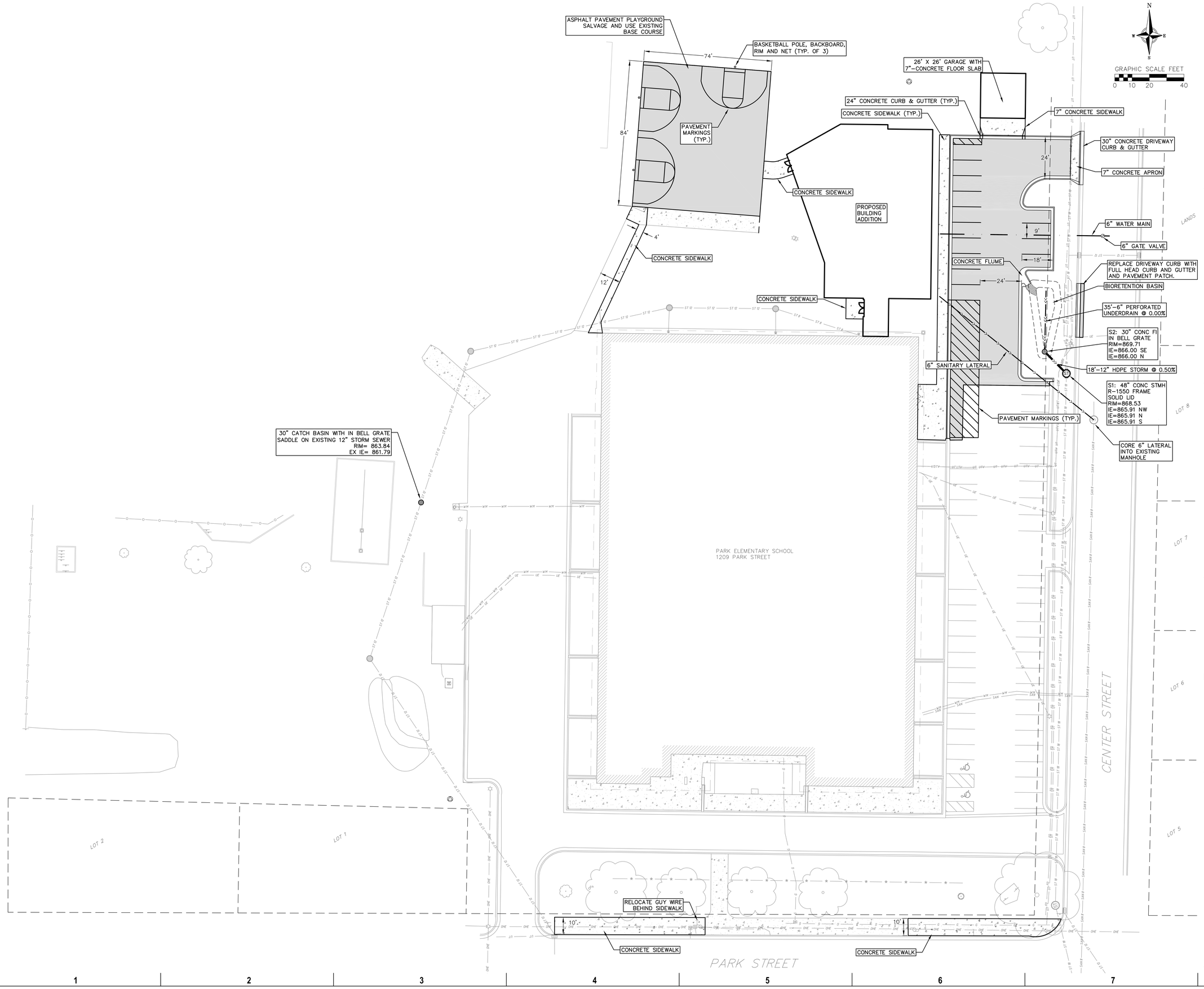

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PROJECT INFORMATION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

SITE AND UTILITY PLAN

C 400

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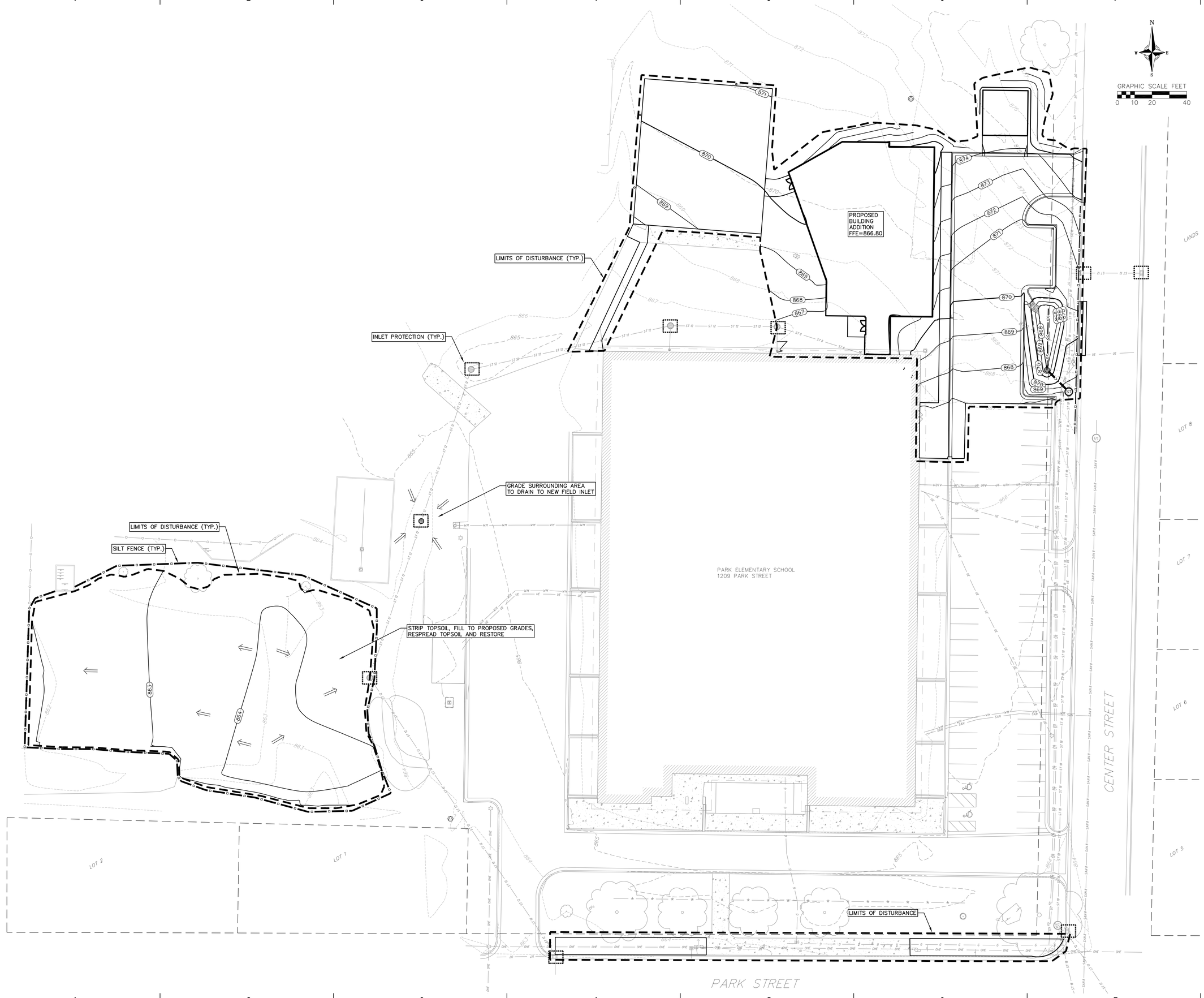

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OVERALL
GRADING AND EROSION
CONTROL PLAN

C 500

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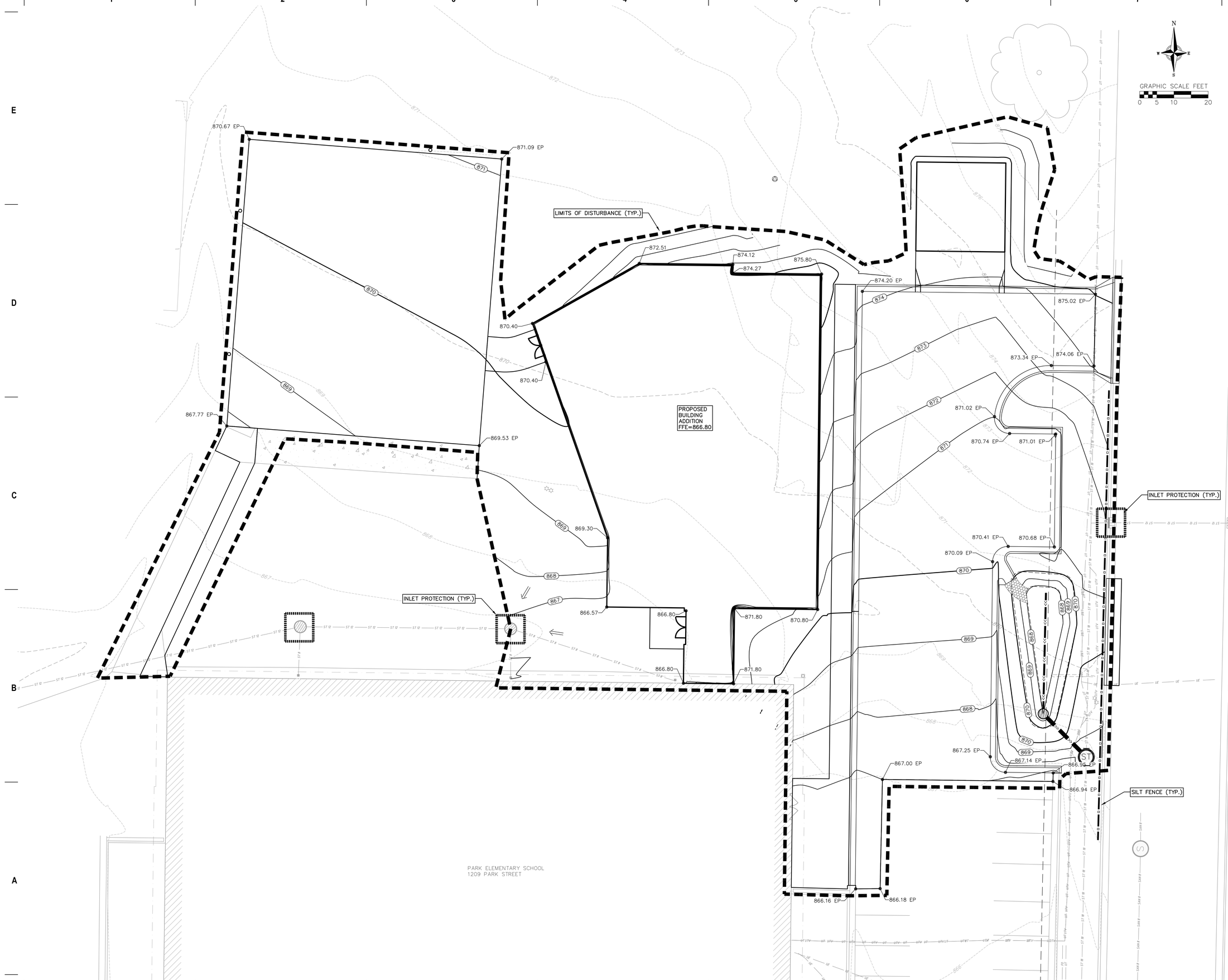

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ISSUANCE AND REVISIONS

12/19/19	DESIGN DEVELOPMENT SET

KEY PLAN

vierbicher
planners | engineers | advisors
Phone: (800) 261-3898

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

NORTH
GRADING AND EROSION CONTROL PLAN

C 501

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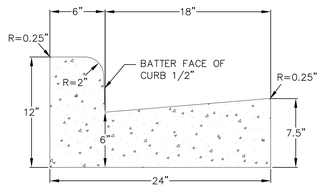
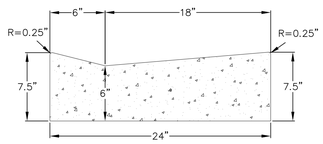
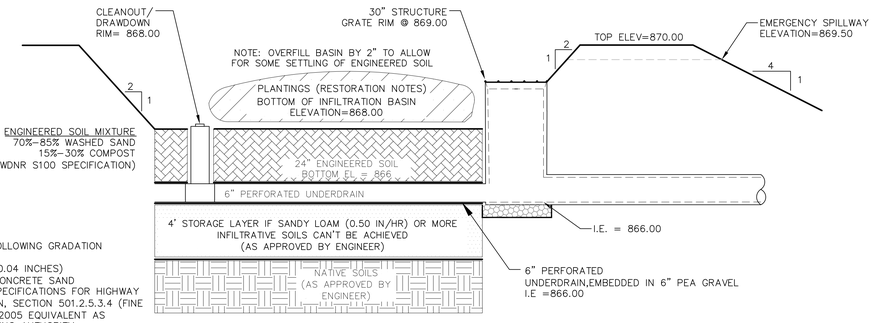


CURB AND GUTTER CROSS SECTION



DRIVEWAY AND HANDICAP RAMP GUTTER CROSS SECTION

1/1 24" CONCRETE CURB AND GUTTER
NOT TO SCALE

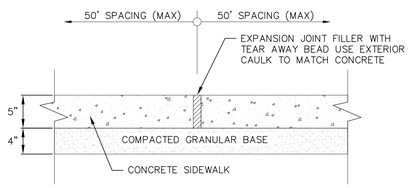


STORAGE LAYER
SAND OR GRAVEL

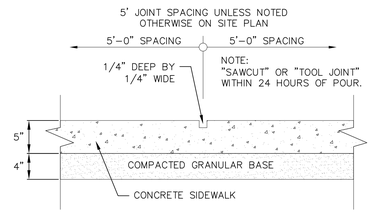
SAND SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS:
- USDA COARSE SAND (0.02 – 0.04 INCHES)
- ASTM C33 (FINE AGGREGATE CONCRETE SAND
- WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4 (FINE AGGREGATE CONCRETE SAND) 2005 EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY

GRAVEL SHALL MEET:
- COARSE AGGREGATE #2 AND OTHER SPECIFICATIONS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5, 203 EDITION OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY. GRAVEL SHALL BE DOUBLE-WASHED.

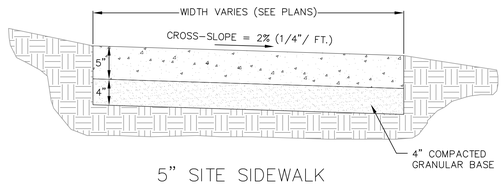
1/1 BIO-RETENTION FACILITY CROSS-SECTION
NOT TO SCALE



SIDEWALK EXPANSION JOINT

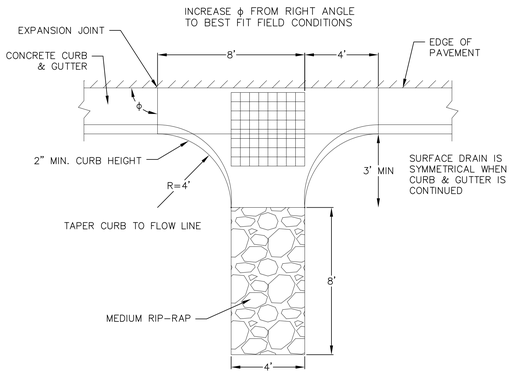


SIDEWALK CONTROL JOINT



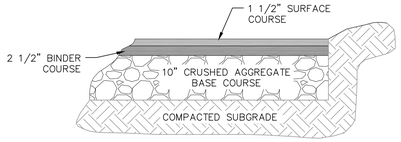
5" SITE SIDEWALK

1/1 5" SIDEWALK
NOT TO SCALE

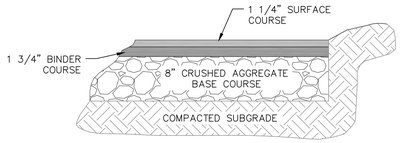


CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.

1/1 CONCRETE SURFACE DRAIN
NOT TO SCALE



BITUMINOUS PAVEMENT PARKING LOT



BITUMINOUS PAVEMENT PLAYGROUND

1/1 SITE PAVEMENT
NOT TO SCALE

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madison	309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350
des moines	699 Walnut Street, Suite 400 Des Moines, Iowa 50309 515.724.5840
denver	1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

1029 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

12/19/19	DESIGN DEVELOPMENT SET

KEY PLAN

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planners | engineers | advisors
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PROJECT NUMBER	16517-01

DETAILS

C 600

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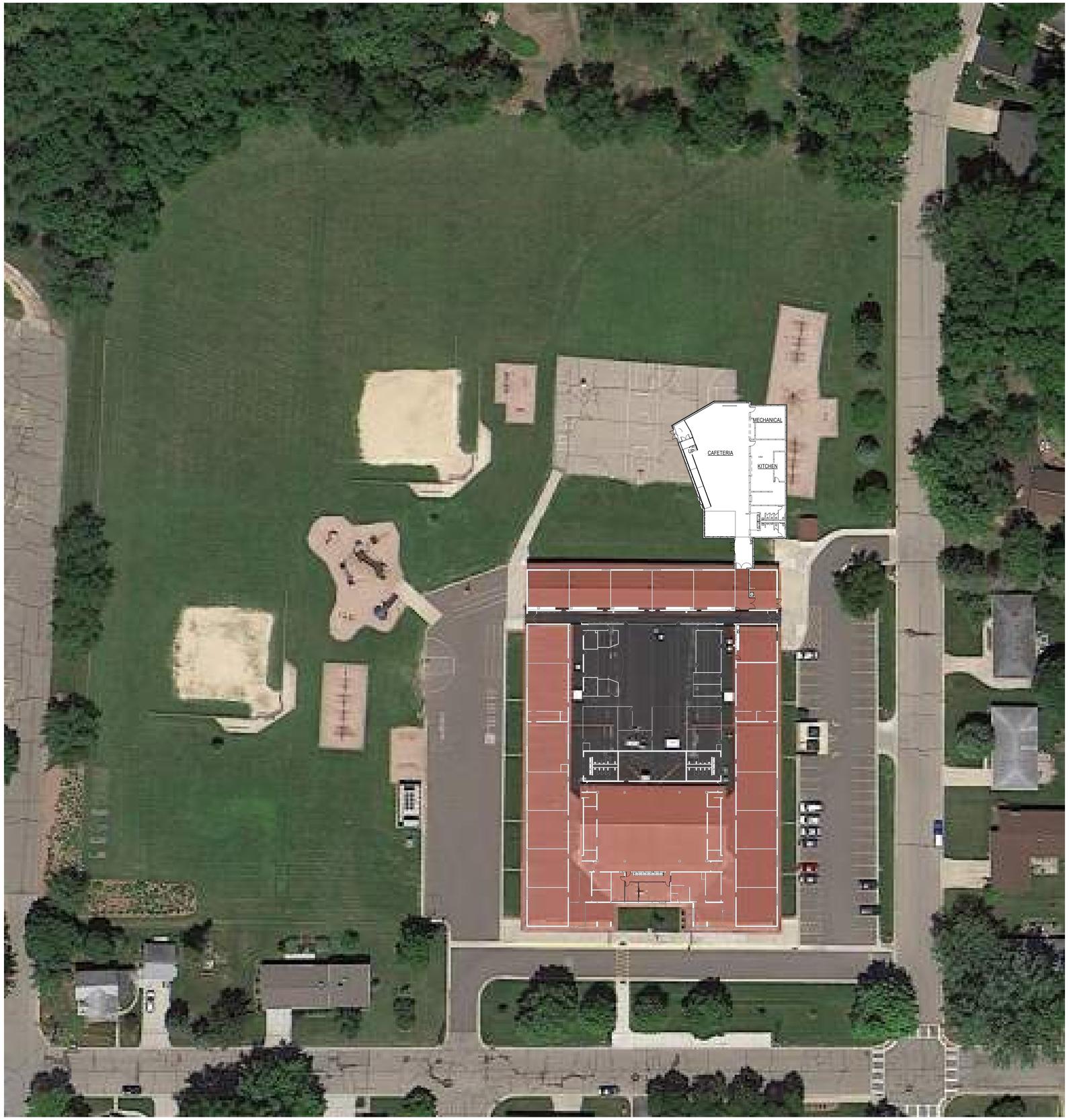

A2 SITE FLOOR PLAN OVERLAY
1" = 30'-0"

eua

milwaukee 333 East Chicago Street
Milwaukee, Wisconsin 53202
414.271.5350

madison 309 West Johnson Street, Suite 202
Madison, Wisconsin 53703
608.442.5350

des moines 699 Walnut Street, Suite 400
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denver 1899 Wynkoop Street, Suite 300
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303.595.4500

PROJECT INFORMATION

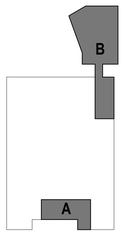
PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
11/14/2019	SCHEMATIC DESIGN SET
12/19/2019	DESIGN DEVELOPMENT SET

KEY PLAN



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PROJECT MANAGER	PM
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ARCHITECTURAL SITE PLAN OVERLAY

AS101

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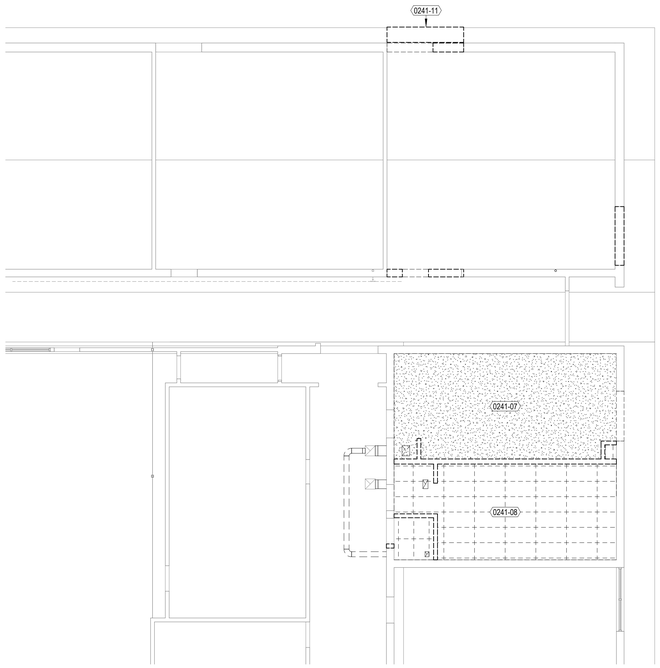
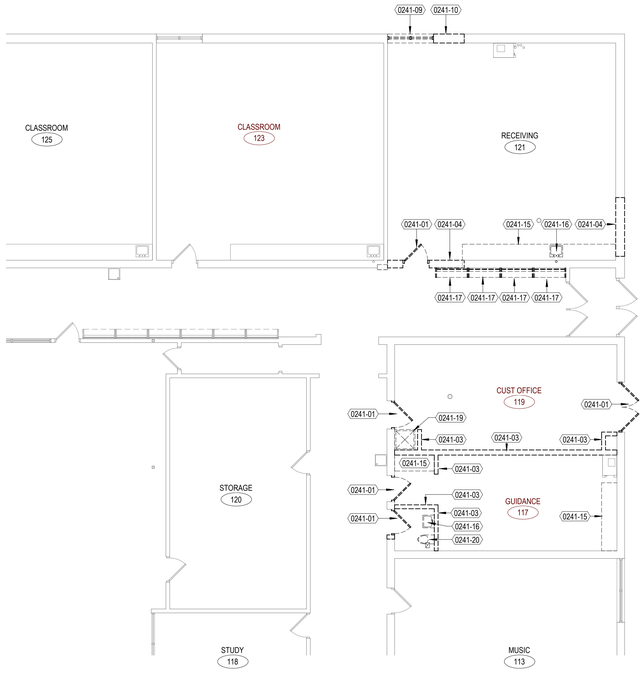
KEYNOTES PER SHEET

0241-01	REMOVE DOOR, FRAME AND ASSOCIATED HARDWARE
0241-03	REMOVE WALL
0241-04	REMOVE PORTION OF CMU WALL. COORDINATE EXTENTS WITH NEW CONSTRUCTION.
0241-07	REMOVE GYP OR PLASTER CEILING
0241-08	REMOVE ACT CEILING AND GRID
0241-09	REMOVE EXTERIOR WINDOW
0241-10	REMOVE PORTION OF EXTERIOR WALL. COORDINATE EXTENT WITH NEW CONSTRUCTION.
0241-11	REMOVE PORTION OF ROOF OVERHANG. COORDINATE EXTENT WITH NEW CONSTRUCTION.
0241-15	REMOVE CASEWORK INCLUDING BASE, WALL AND WARDROBE CABINETS.
0241-16	REMOVE PLUMBING FIXTURE. COORDINATE CAPPING WATER LINES AND DRAIN WITH NEW CONSTRUCTION.
0241-17	REMOVE CUBBIES. RETURN TO OWNER TO BE RELOCATED.
0241-19	REMOVE MOP SINK, CAP RELATED PLUMBING SUPPLY AND WASTE LINES.
0241-20	REMOVE WATER CLOSET, CAP RELATED PLUMBING SUPPLY AND WASTE LINES.



A3 FIRST FLOOR DEMOLITION RCP - AREA B
1/8" = 1'-0"



A6 FIRST FLOOR DEMOLITION PLAN - AREA B
1/8" = 1'-0"

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PROJECT NUMBER	16517-01

FIRST FLOOR DEMOLITION PLAN - AREA B

AD101B

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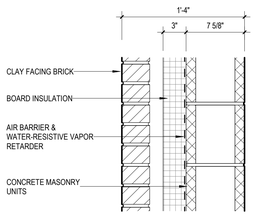
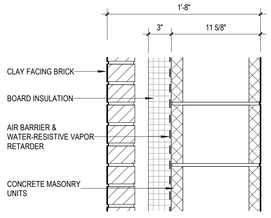
B2010-01



NOTES
- PROVIDE FOAM SEALANT FOR ALL JOINTS @ CAVITY WALL BOARD INSULATION
- XXX
- XXX

<GRAPHIC ASSUMES POLYISOCYANURATE CAVITY WALL BOARD INSULATION>

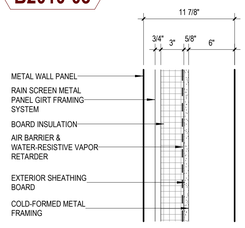
B2010-02



NOTES
- PROVIDE FOAM SEALANT FOR ALL JOINTS @ CAVITY WALL BOARD INSULATION
- XXX
- XXX

<GRAPHIC ASSUMES POLYISOCYANURATE CAVITY WALL BOARD INSULATION>

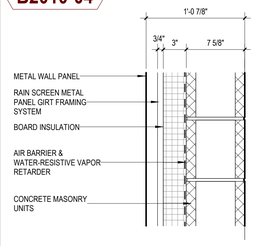
B2010-03



NOTES
- PROVIDE FOAM SEALANT FOR ALL JOINTS @ BOARD INSULATION
- XXX
- XXX

<GRAPHIC ASSUMES POLYISOCYANURATE CAVITY WALL BOARD INSULATION >

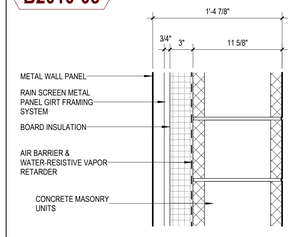
B2010-04



NOTES
- PROVIDE FOAM SEALANT FOR ALL JOINTS @ BOARD INSULATION
- XXX
- XXX

<GRAPHIC ASSUMES POLYISOCYANURATE CAVITY WALL BOARD INSULATION>

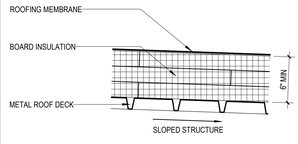
B2010-05



NOTES
- PROVIDE FOAM SEALANT FOR ALL JOINTS @ BOARD INSULATION
- XXX
- XXX

<GRAPHIC ASSUMES POLYISOCYANURATE CAVITY WALL BOARD INSULATION>

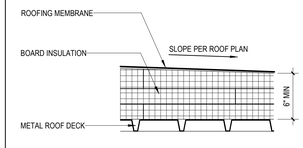
B3010-01



NOTES
- STAGGER JOINTS @ INSULATION BOARD
- XXX

<XXX>

B3010-02



NOTES
- STAGGER JOINTS @ INSULATION BOARD
- XXX

<XXX>

SHEET NOTES - WALL TYPES

1. REFER TO LIFE SAFETY SHEETS <GXXX - GXXX> FOR WALL RATINGS, LOCATIONS AND REQUIREMENTS.
2. MAINTAIN RATED WALL ASSEMBLIES BEHIND PREFABRICATED SHOWER / BATH ENCLOSURES AT RATED WALL LOCATIONS.
3. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD ON WALLS AT ALL WET LOCATIONS INCLUDING BUT NOT LIMITED TO TOILET ROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, DRINKING FOUNTAINS, SINKS AND LAVATORIES AT CASEWORK AND EYEWASHES.
4. REPLACE GYPSUM BOARD LAYER WITH CEMENTITIOUS BACKER BOARD WHERE WALLS ARE SCHEDULED TO RECEIVE CERAMIC TILE OR SOLID SURFACE WALL CLADDING.
5. SEAL ALL PENETRATIONS AND OPENINGS INCLUDING WALL PERIMETER AT SOUND RATED WALLS.
6. PROVIDE FIRE STOP SYSTEMS AT ALL PENETRATIONS AND OPENINGS THROUGH RATED WALL ASSEMBLIES TO MAINTAIN THE INTEGRITY OF CONSTRUCTION WITH UL LISTING.

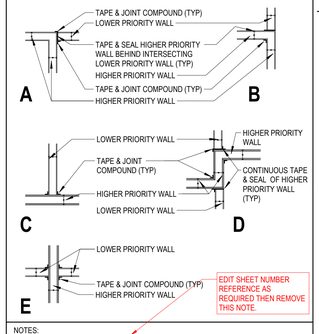
WALL PRIORITY LEGEND

NOTE: ***THIS LEGEND IS FOR GRAPHIC REPRESENTATION ONLY.***

	HIGHEST
FOUR HOUR FIRE WALL (**4FW**)	PRIORITY 1
THREE HOUR FIRE WALL (**3FW**)	PRIORITY 2
TWO HOUR FIRE WALL (**2FW**)	PRIORITY 3
FOUR HOUR FIRE BARRIER (**4FB**)	PRIORITY 4
THREE HOUR FIRE BARRIER (**3FB**)	PRIORITY 5
TWO HOUR FIRE BARRIER (**2FB**) *(INCLUDES THE FOLLOWING)*	PRIORITY 6
• TWO HOUR SMOKE BARRIER (**2SB**)	
• TWO HOUR SHAFT ENCLOSURE (**2SE**)	
ONE HOUR FIRE BARRIER (**1FB**) *(INCLUDES THE FOLLOWING)*.	PRIORITY 7
• ONE HOUR SMOKE BARRIER (**1SB**)	
• ONE HOUR SHAFT ENCLOSURE (**1SE**)	
ONE HOUR FIRE PARTITION (**1FP**)	PRIORITY 8
HALF HOUR FIRE PARTITION (**0.5FP**)	PRIORITY 9
HALF HOUR CORRIDOR PARTITION (**0.5X**)	PRIORITY 10
SMOKE TIGHT PARTITION (**X**) *(INCLUDES THE FOLLOWING)*	PRIORITY 11
• SMOKE TIGHT PARTITION TO SMOKE TIGHT CEILING (**XC**)	***LOWEST***
• SMOKE TIGHT PARTITION WITHIN PLENUM ABOVE CEILING (**XP**)	
• SMOKE TIGHT PARTITION SEPARATION OF INTERSTITIAL SPACES (**XI**)	

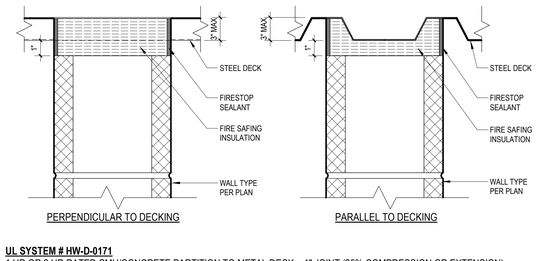
DETAIL ABUTMENT OF DISSIMILAR WALL

INTERSECTION OF RATED WALLS

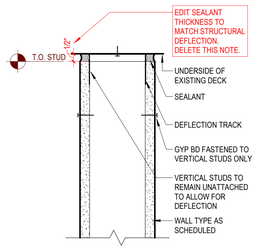


EDIT SHEET NUMBER REFERENCE AS REQUIRED THEN REMOVE THIS NOTE.

NOTES:
1. SEE WALL TYPES <SHEET A010> FOR WALL COMPONENTS, NUMBER OF GYPSUM BOARD LAYERS, TYPE OF GYPSUM BOARD, AND OTHER SIMILAR INFORMATION.
2. THE HIGHER PRIORITY WALL SHALL PASS THROUGH THE LOWER PRIORITY WALL.
3. TAPING AND SEALING OF HIGHER PRIORITY WALLS SHALL BE CONTINUOUS.
4. ALTERNATE LAYERS OF GYPSUM BOARD SHALL OVERLAP AT CORNER INTERSECTIONS OF MULTI-LAYERED RATED GYPSUM BOARD PARTITIONS.

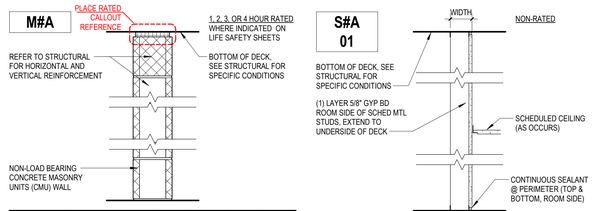


UL SYSTEM # HW-D-0171
1 HR OR 2 HR RATED CMU/CONCRETE PARTITION TO METAL DECK - 1" JOINT (25% COMPRESSION OR EXTENSION)



B4 CMU NON-BEARING WALL / STEEL DECK - 1 HR & 2 HR

3" = 1'-0"

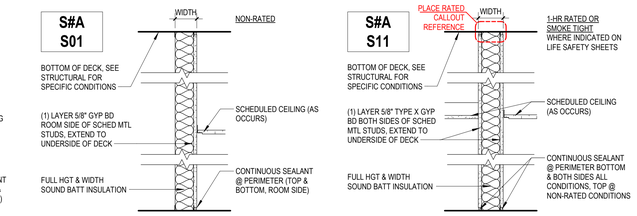


WALL TYPE #	DESCRIPTION	WIDTH	REF TEST	STC SOLID	STC HOLLOW
M2A	2" CONC MASONRY UNIT	1-5/8"	-	-	-
M4A	4" CONC MASONRY UNIT	3-5/8"	-	46	44
M6A	6" CONC MASONRY UNIT	5-5/8"	UL U906	49	45
M8A	8" CONC MASONRY UNIT	7-5/8"	UL U907	52	46
M10A	10" CONC MASONRY UNIT	9-5/8"	UL U907	55	48
M12A	12" CONC MASONRY UNIT	11-5/8"	UL U907	59	49

WALL TYPE #	DESCRIPTION	WIDTH	REF TEST	STC
S0A - 01	7/8" MTL FURRING CHANNELS	1-1/2"	-	-
S1A - 01	1-5/8" MTL STUDS	2-1/4"	-	-
S2A - 01	2-1/2" MTL STUDS	3-1/8"	-	26
S3A - 01	3-5/8" MTL STUDS	4-1/4"	-	26
S4A - 01	4" MTL STUDS	4-5/8"	-	26
S6A - 01	6" MTL STUDS	6-5/8"	-	26

B6 METAL STUD WALL / DECK - NON-RATED

3" = 1'-0"



WALL TYPE #	DESCRIPTION	WIDTH	REF TEST	STC
S0A - S01	7/8" MTL FURRING CHANNELS	1-1/2"	-	-
S1A - S01	1-5/8" MTL STUDS	2-1/4"	-	-
S2A - S01	2-1/2" MTL STUDS	3-1/8"	-	27
S3A - S01	3-5/8" MTL STUDS	4-1/4"	-	27
S4A - S01	4" MTL STUDS	4-5/8"	-	27
S6A - S01	6" MTL STUDS	6-5/8"	-	28

WALL TYPE #	DESCRIPTION	WIDTH	REF TEST	STC
-	-	-	-	-
S1A - S11	1-5/8" MTL STUDS	2-7/8"	-	-
S2A - S11	2-1/2" MTL STUDS	3-3/4"	-	-
S3A - S11	3-5/8" MTL STUDS	4-7/8"	UL U465	45
S4A - S11	4" MTL STUDS	5-1/4"	UL U465	45
S6A - S11	6" MTL STUDS	7-1/4"	UL U465	45

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PROJECT INFORMATION

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53528

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PROJECT MANAGER PM

PROJECT NUMBER 16517-01

PARTITION TYPES AND BUILDING SYSTEM NOTES

A010

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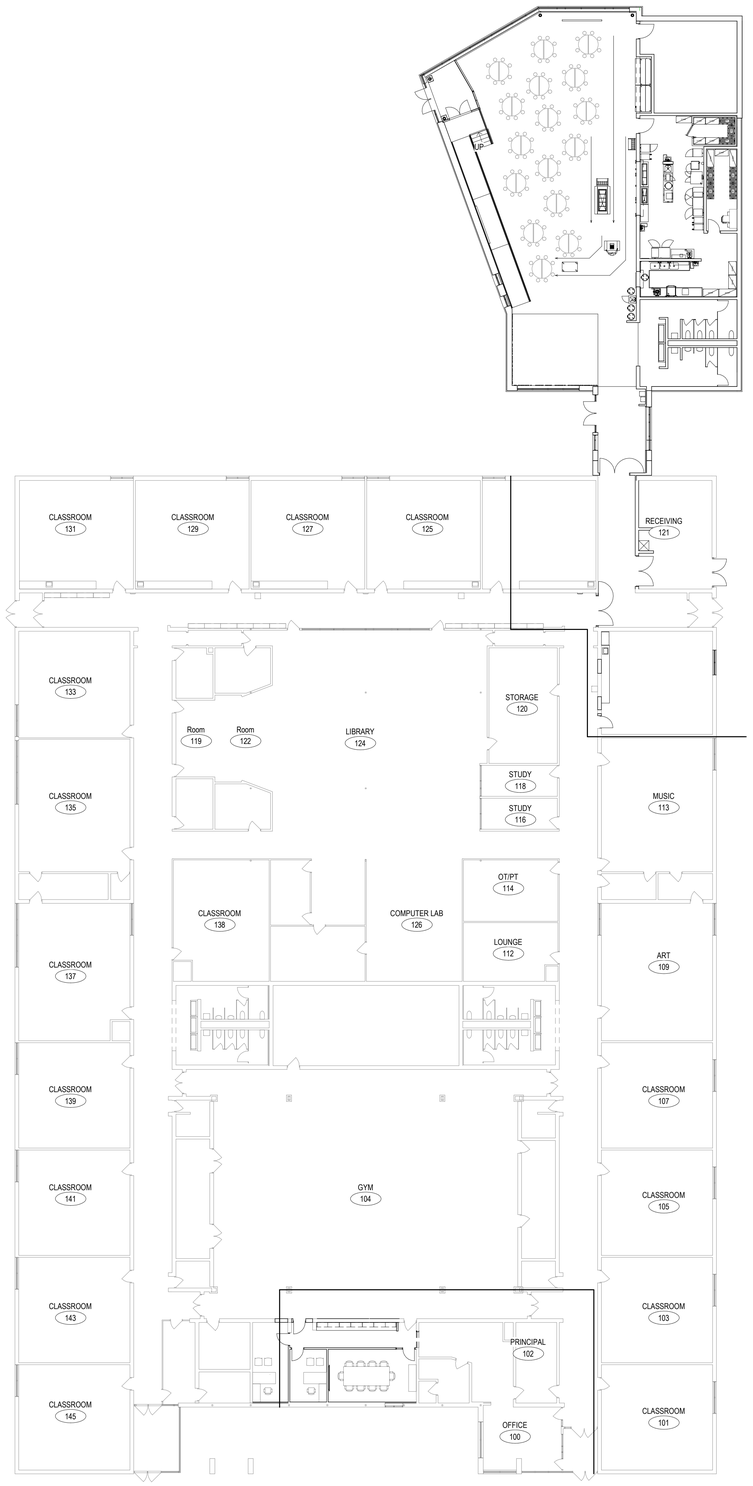

A5 FIRST FLOOR PLAN - OVERALL
1/16" = 1'-0"

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12/19/2019	DESIGN DEVELOPMENT SET

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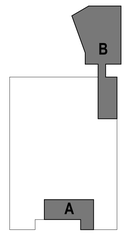

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

FIRST FLOOR PLAN - OVERALL

A100

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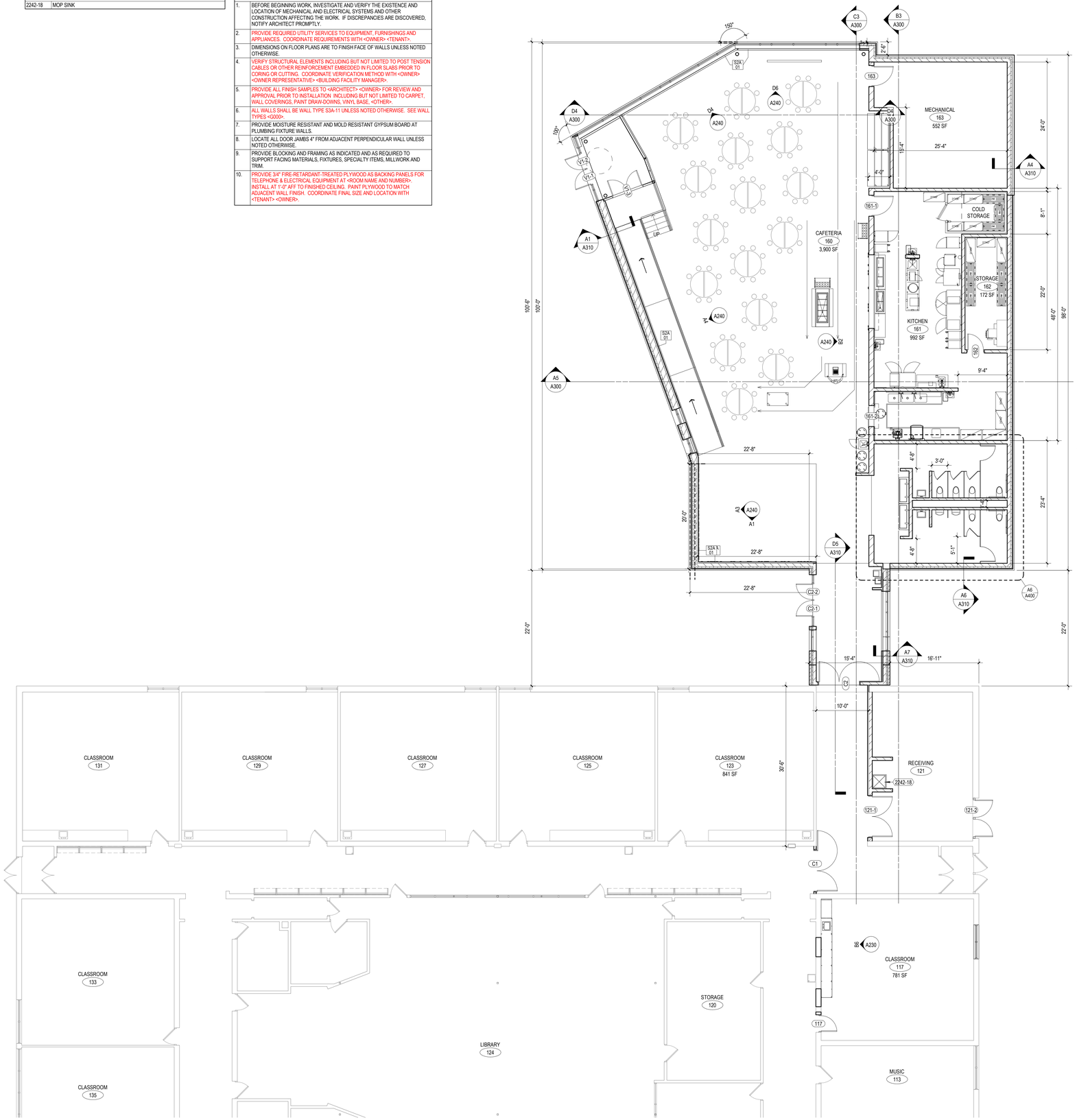
KEYNOTES PER SHEET

2242-18	MOP SINK

SHEET NOTES - FLOOR PLAN

1.	BEFORE BEGINNING WORK, INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.
2.	PROVIDE REQUIRED UTILITY SERVICES TO EQUIPMENT, FURNISHINGS AND APPLIANCES. COORDINATE REQUIREMENTS WITH <OWNER> <TENANT>.
3.	DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF WALLS UNLESS NOTED OTHERWISE.
4.	VERIFY STRUCTURAL ELEMENTS INCLUDING BUT NOT LIMITED TO POST TENSION CABLES OR OTHER REINFORCEMENT EMBEDDED IN FLOOR SLABS PRIOR TO CORING OR CUTTING. COORDINATE VERIFICATION METHOD WITH <OWNER> <OWNER REPRESENTATIVE> <BUILDING FACILITY MANAGER>.
5.	PROVIDE ALL FINISH SAMPLES TO <ARCHITECT> <OWNER> FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION INCLUDING BUT NOT LIMITED TO CARPET, WALL COVERINGS, PAINT DRAW-DOWNS, VINYL BASE. <OTHER>
6.	ALL WALLS SHALL BE WALL TYPE S3A-11 UNLESS NOTED OTHERWISE. SEE WALL TYPES <S000>.
7.	PROVIDE MOISTURE RESISTANT AND MOLD RESISTANT GYPSUM BOARD AT PLUMBING FIXTURE WALLS.
8.	LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
9.	PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.
10.	PROVIDE 3/4" FIRE-RETARDANT-TREATED PLYWOOD AS BACKING PANELS FOR TELEPHONE & ELECTRICAL EQUIPMENT AT <ROOM NAME AND NUMBER> INSTALL AT 1'-0" AFF TO FINISHED CEILING. PAINT PLYWOOD TO MATCH ADJACENT WALL FINISH. COORDINATE FINAL SIZE AND LOCATION WITH <TENANT> <OWNER>.



A3 FLOOR PLAN - AREA B
1/8" = 1'-0"

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des moines 699 Walnut Street, Suite 400 Des Moines, Iowa 50309 515.724.5840

denver 1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

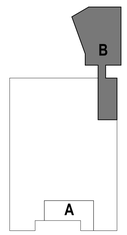
PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
11/14/2019	SCHEMATIC DESIGN SET
12/19/2019	DESIGN DEVELOPMENT SET

KEY PLAN



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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

FLOOR PLAN - AREA B

A101B

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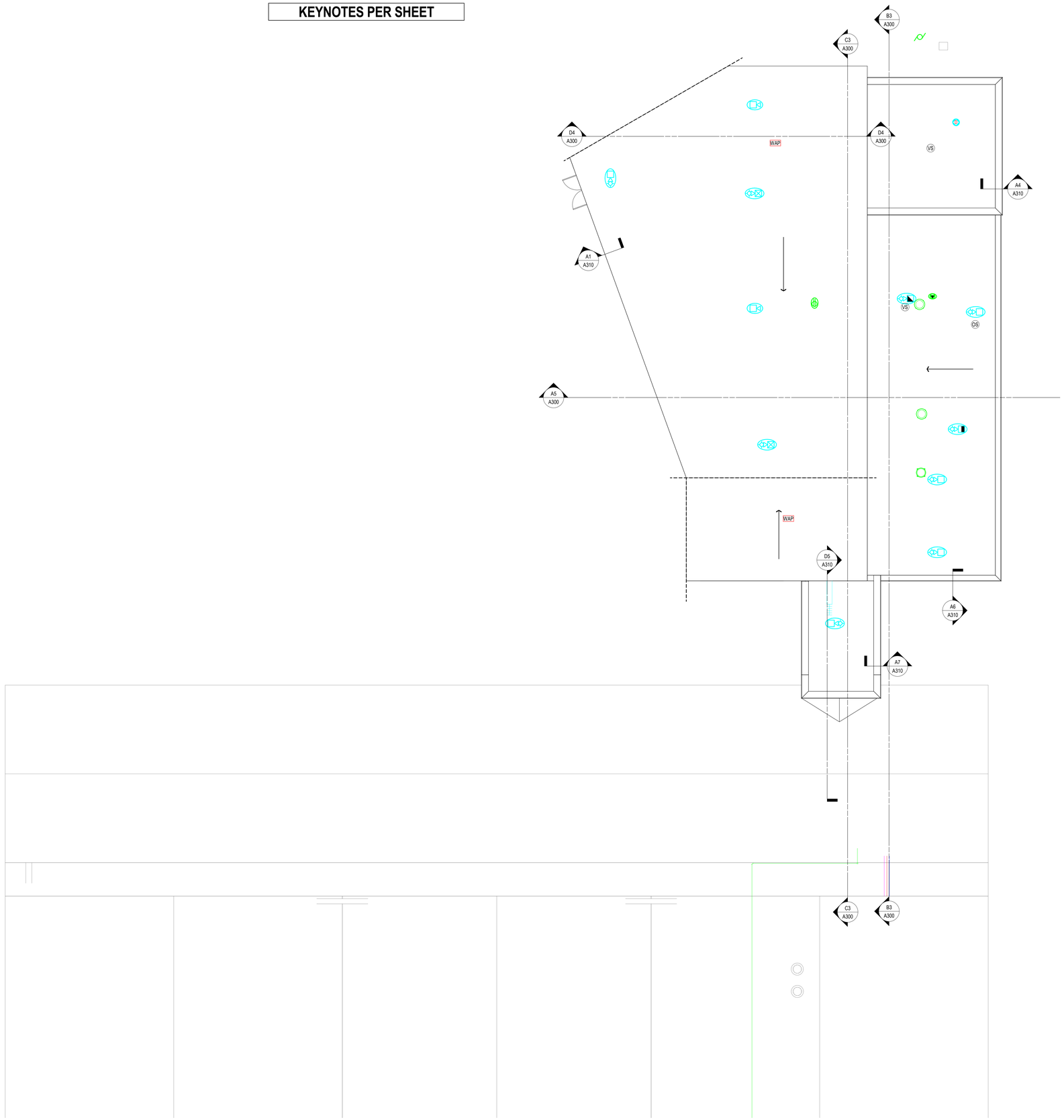
KEYNOTES PER SHEET



A3 ROOF PLAN - AREA B
1/8" = 1'-0"

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PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

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53528

ISSUANCE AND REVISIONS

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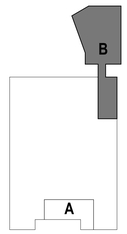
KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

ROOF PLAN - AREA B

A109

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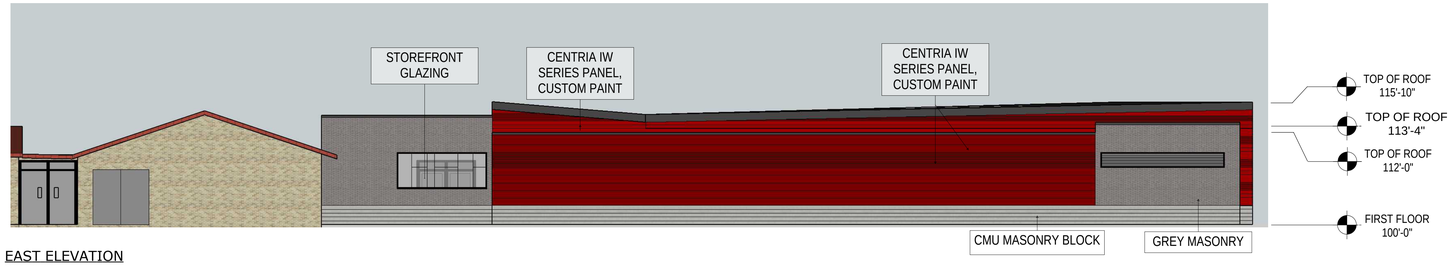
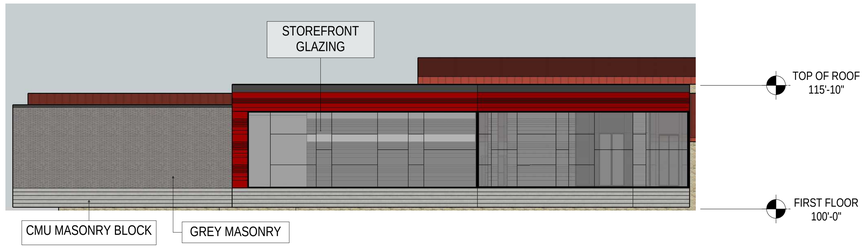


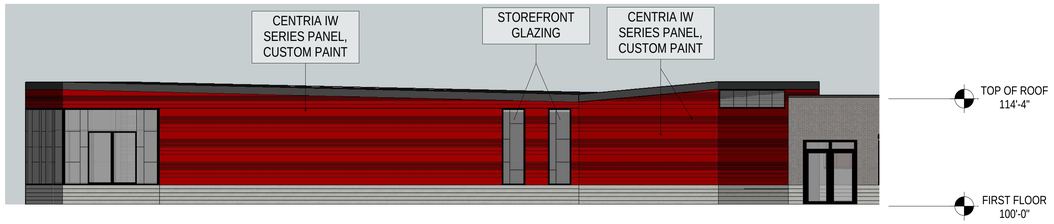
EAST ELEVATION

SCALE: 1/8" = 1'-0"



NORTH ELEVATION

SCALE: 1/8" = 1'-0"



NORTH WEST ELEVATION

SCALE: 1/8" = 1'-0"

WEST ELEVATION

SCALE: 1/8" = 1'-0"

SOUTH ELEVATION

SCALE: 1/8" = 1'-0"

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PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

EXTERIOR ELEVATIONS

A200

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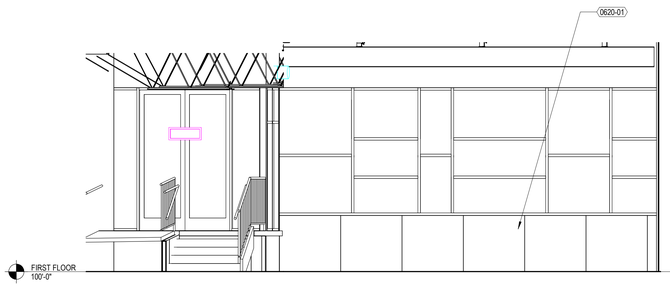
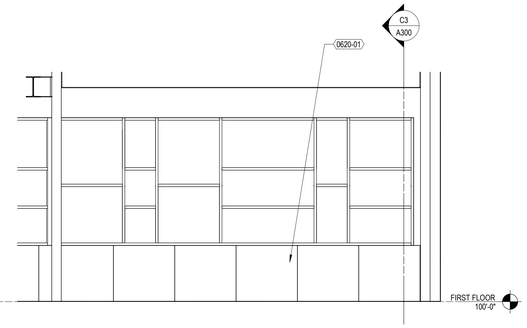
KEYNOTES PER SHEET

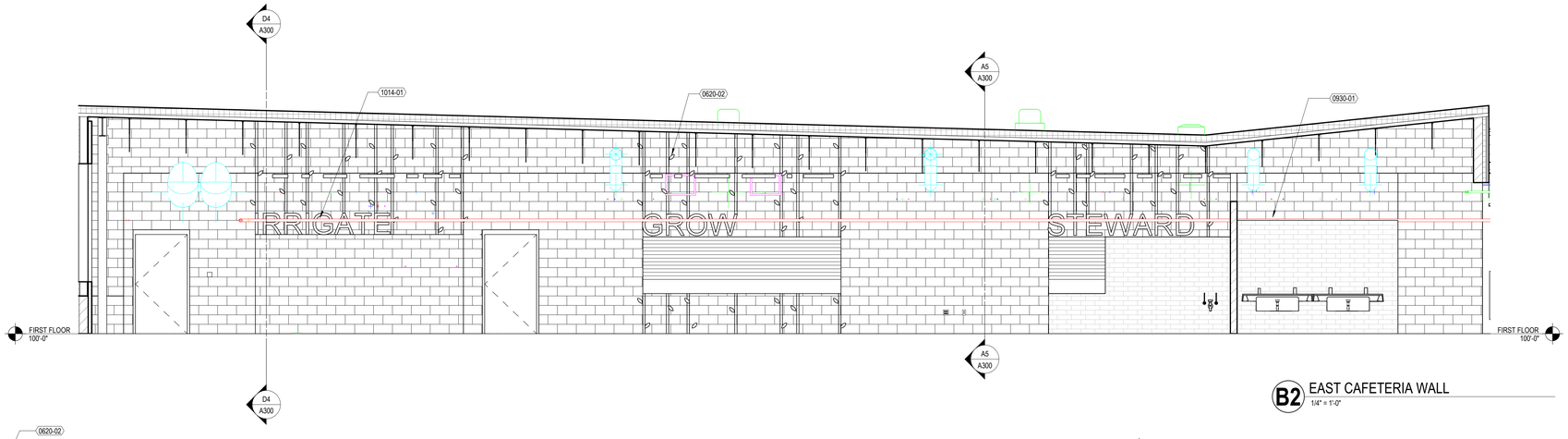
0620-01	CUSTOM RECLAIMED WOOD PANELING
0620-02	CUSTOM MILLWORK
0930-01	CERAMIC TILING
0972-01	CUSTOM POWDER-COATED METAL RAINDROPS
1014-01	DIMENSIONAL LETTERING
1246-34	CUSTOM METAL COAT HOOKS



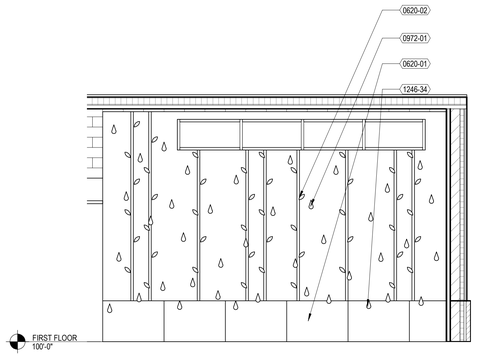
D4 NORTHWEST CURTAIN WALL AND VESTIBULE
1/4" = 1'-0"



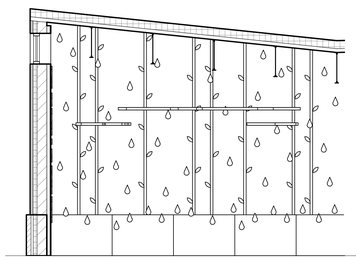
D6 NORTH CURTAIN WALL
1/4" = 1'-0"



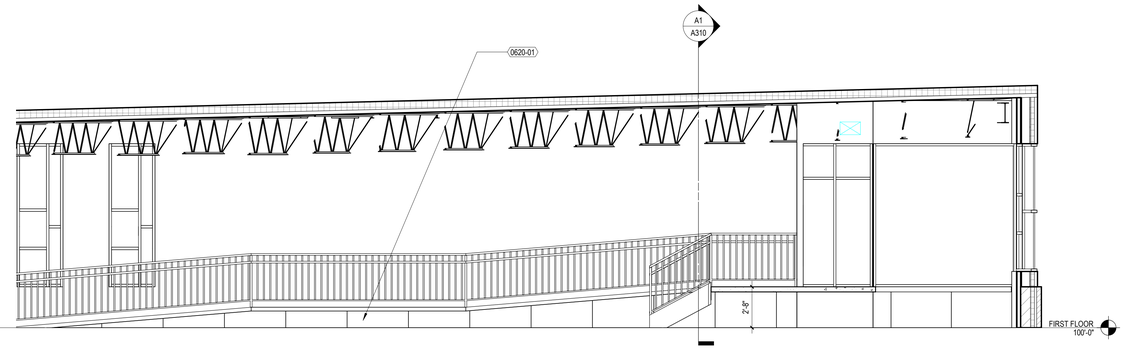
B2 EAST CAFETERIA WALL
1/4" = 1'-0"



A1 SOUTH COAT WALL
1/4" = 1'-0"



A3 WEST COAT WALL
1/4" = 1'-0"



A4 WEST RAMP WALL
1/4" = 1'-0"

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PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
12/19/2019	DESIGN DEVELOPMENT SET

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

INTERIOR ELEVATIONS - FINISHES

A240

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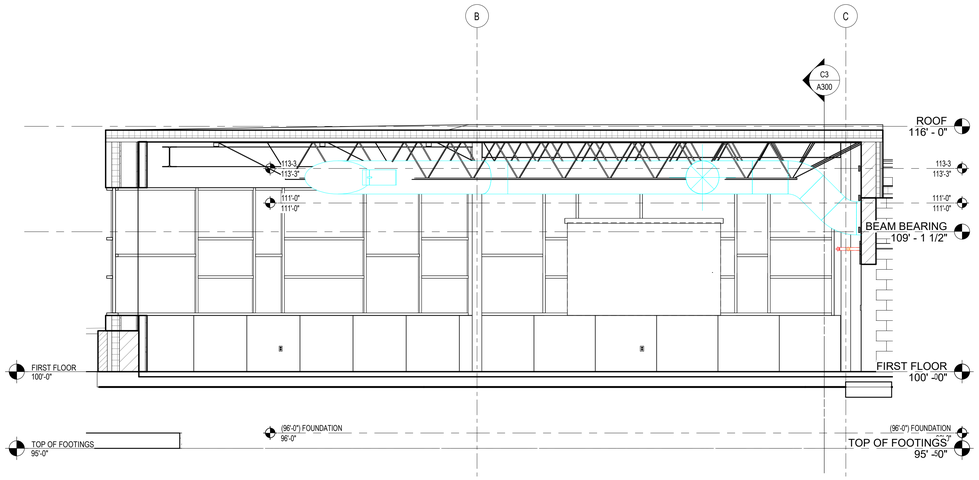
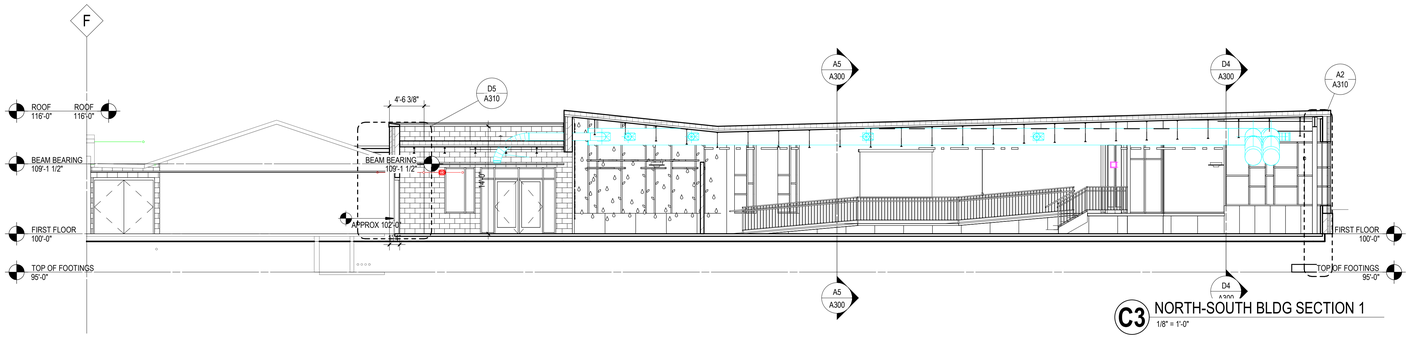
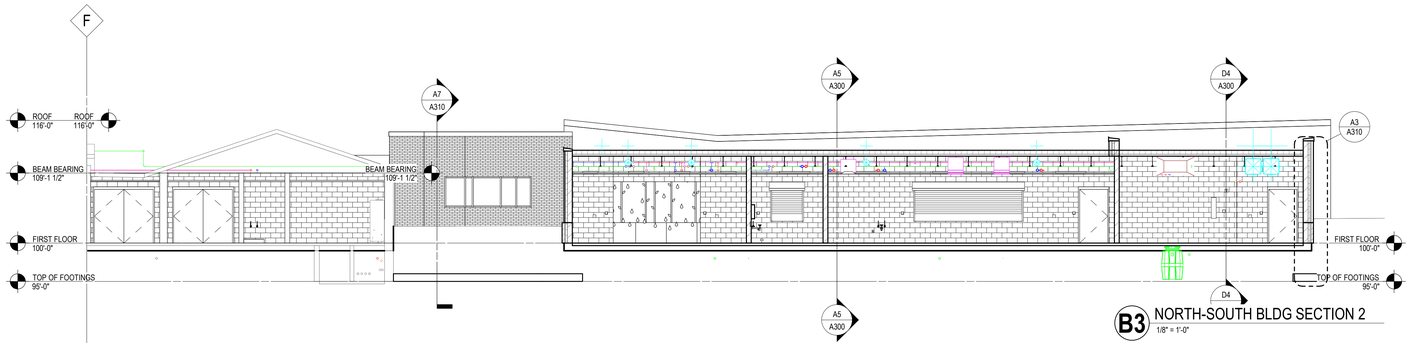
KEYNOTES PER SHEET



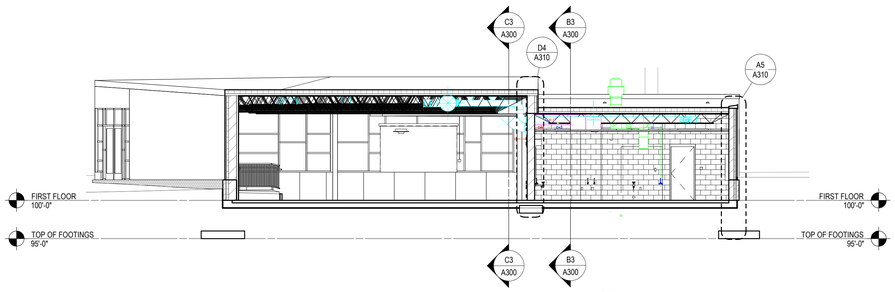
D4 EAST-WEST BLDG SECTION NORTH
1/4" = 1'-0"



C3 NORTH-SOUTH BLDG SECTION 1
1/8" = 1'-0"



B3 NORTH-SOUTH BLDG SECTION 2
1/8" = 1'-0"



A5 EAST-WEST BUILDING SECTION 1
1/8" = 1'-0"

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PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

BUILDING SECTIONS

A300

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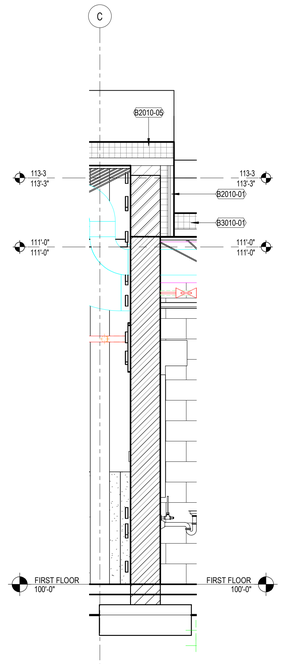
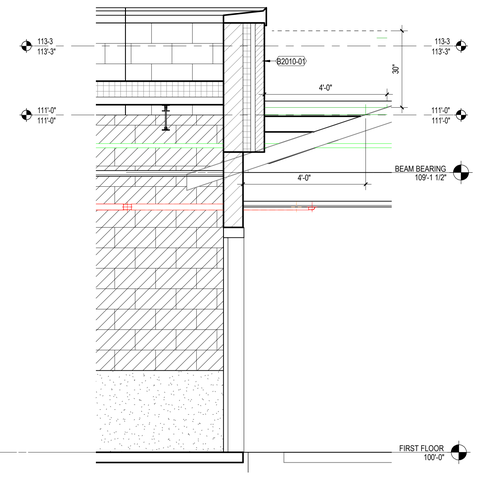
KEYNOTES PER SHEET

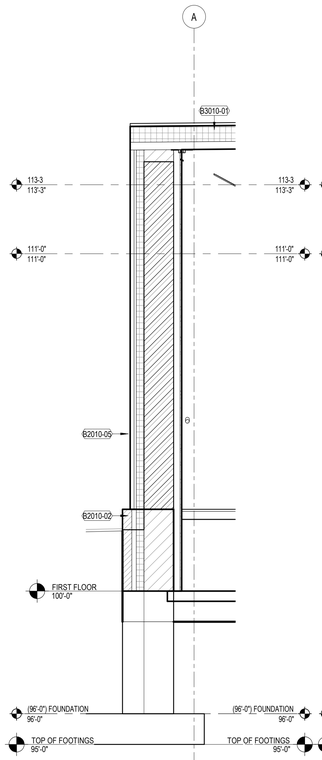
B2010-01	<INSERT DESCRIPTION>
B2010-02	
B2010-03	
B2010-04	
B2010-05	
B3010-01	<INSERT DESCRIPTION>
B3010-02	



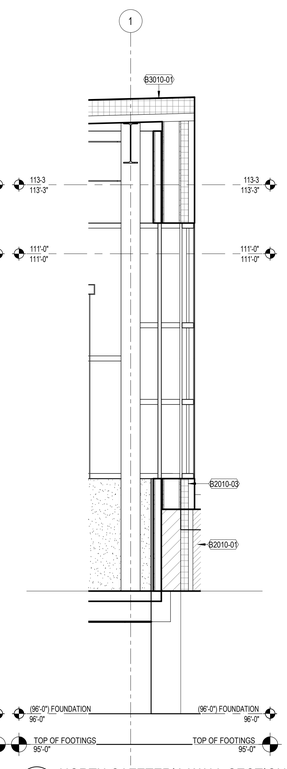
D4 INTERIOR CAFETERIA BEARING WALL
1/2" = 1'-0"



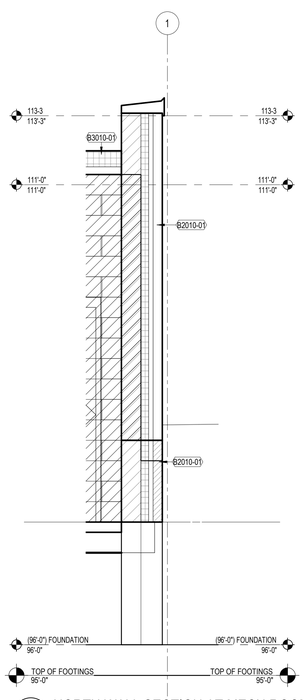
D5 NORTH SOUTH SECTION AT FIREWALL
1/2" = 1'-0"



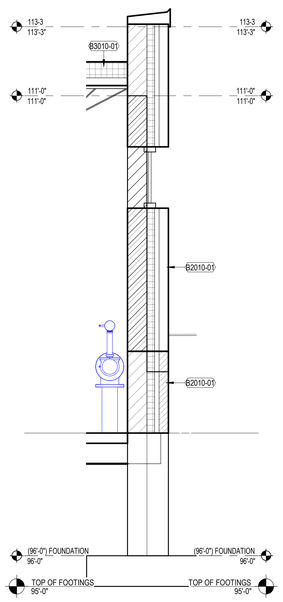
A1 WEST WALL SECTION AT CAFETERIA
1/2" = 1'-0"



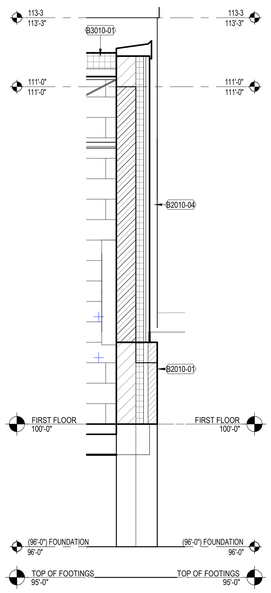
A2 NORTH CAFETERIA WALL SECTION
1/2" = 1'-0"



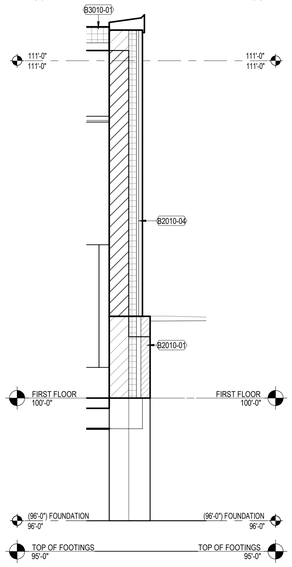
A3 NORTH WALL SECTION AT MECH ROOM
1/2" = 1'-0"



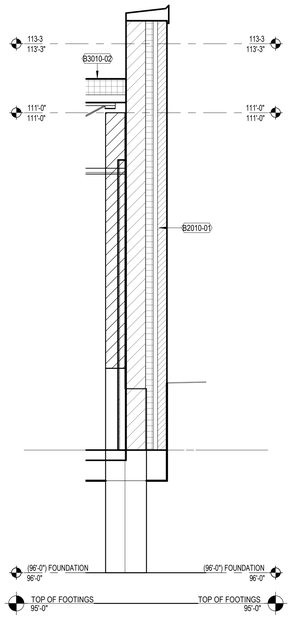
A4 EAST WALL SECTION AT MECH ROOM
1/2" = 1'-0"



A5 EAST WALL SECTION AT KITCHEN
1/2" = 1'-0"



A6 SOUTH WALL SECTION AT TOILET ROOM
1/2" = 1'-0"



A7 EAST CAFETERIA CORRIDOR WALL
1/2" = 1'-0"

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PROJECT INFORMATION

PARK ELEMENTARY RENOVATION & ADDITION

1209 PARK STREET
CROSS PLAINS, WI
53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
11/14/2019	SCHEMATIC DESIGN SET
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KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER	PM
PROJECT NUMBER	16517-01

WALL SECTIONS

A310

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MECHANICAL PIPING LEGEND

DOUBLE ELBOW DOWN	DOUBLE ELBOW DOWN (AT CORNER)
ELBOW DOWN	ELBOW UP
TEE	TEE DOWN
ELBOW	TEE UP
ELBOW DOWN TO TEE	END CAP
TYPICAL TEE CONNECTION (PLANS ONLY)	REDUCER
AUTOMATIC AIR VENT	NEW TO EXISTING PIPE CONNECTION
WATER FLOW MEASURING DEVICE	FLOW DIRECTION ARROW
PIPE ANCHOR	MANUAL AIR VENT (MAV)
PIPE GUIDE / SLEEVE	PRESSURE GAUGE
BALANCING VALVE	UNION
CIRCUIT SETTER	PRESSURE RELIEF VALVE
PRESSURE REDUCING VALVE	PRESSURE/TEMPERATURE PORT
BALL VALVE/SHUT-OFF VALVE	AIR SEPARATOR
SILENT CHECK VALVE	PUMP OR PUMP
GLOBE VALVE	FLEX CONNECTION
TWO-WAY VALVE	THERMOMETER
THREE-WAY VALVE	ANALOG INPUT
BUTTERFLY VALVE	ANALOG OUTPUT
TRIPLE DUTY VALVE	DIGITAL INPUT
SHUT-OFF COCK	DIGITAL OUTPUT
STRAINER	NEW CONNECTION TO EXISTING
STRAINER WITH BLOWDOWN	
SUCTION DIFFUSER W/ STRAINER AND BLOWDOWN	
DRAIN VALVE	
DIFFERENTIAL PRESSURE SENSOR	

MECHANICAL HVAC LEGEND

EXHAUST AIR DUCT (DOWN)	AD ACCESS DOOR
EXHAUST AIR DUCT (UP)	AHU AIR HANDLING UNIT
RETURN AIR DUCT (DOWN)	BC BOOSTER COIL
RETURN AIR DUCT (UP)	CD CEILING DIFFUSER
OUTSIDE OR SUPPLY AIR DUCT (UP)	CUH CABINET UNIT HEATER
OUTSIDE OR SUPPLY AIR DUCT (DOWN)	EF EXHAUST FAN
24x12 DUCT SIZE	EG EXHAUST GRILLE
NEW DUCTWORK	L LOUVER
FLEX DUCT	MD MOTOR OPERATED DAMPER
EXISTING DUCTWORK	NC NORMALLY CLOSED
DEMOLITION LINETYPE	NO NORMALLY OPEN
SUPPLY AIR CEILING DIFFUSER	OA OUTSIDE AIR
CEILING DIFFUSER W/BLANKOFF	OED OPEN ENDED DUCT
RETURN AIR GRILLE	RA RETURN AIR
EXHAUST AIR GRILLE	RG RETURN AIR GRILLE
DIFFUSER, GRILLE, AND REGISTER CALL-OUTS: CALL-OUT CFM OR CALL-OUT CFM	SA SUPPLY AIR
MANUAL BALANCING DAMPER	SF SUPPLY FAN
PIPE PENETRATION THROUGH FIRE RATED WALL	SG SUPPLY GRILLE
FIRE DAMPER (X=F) SMOKE DAMPER (X=S) FIRE/SMOKE DAMPER (X=C)	SR SUPPLY REGISTER
MOTORIZED DAMPER	TG TRANSFER GRILLE
SCHEDULED EQUIPMENT TAG	UH UNIT HEATER
THERMOSTAT/ TEMPERATURE SENSOR	
HUMIDISTAT	
COMBINATION THERMOSTAT, HUMIDISTAT, AND CO2 SENSOR	
DUCT SMOKE DETECTOR	

MECHANICAL SHEET INDEX

M001	MECHANICAL NOTES, LEGENDS & ABBREVIATIONS
MD101	FIRST FLOOR MECHANICAL DEMOLITION PLAN
M101	FIRST FLOOR MECHANICAL PLANS - AREA A
M102	FIRST FLOOR MECHANICAL PLANS - AREA B
M401	MECHANICAL DETAILS
M402	MECHANICAL DETAILS
M501	MECHANICAL SCHEDULES
M601	MECHANICAL CONTROL DIAGRAMS
M602	MECHANICAL INPUT/OUTPUT SUMMARY

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PROJECT INFORMATION

MIDDLETON - CROSS PLAINS AREA SCHOOL DISTRICT - PARK ELEMENTARY RENOVATIONS

1209 Park St. Cross Plains, WI 53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER

PROJECT NUMBER 16517-01

MECHANICAL NOTES, LEGENDS & ABBREVIATIONS

M001

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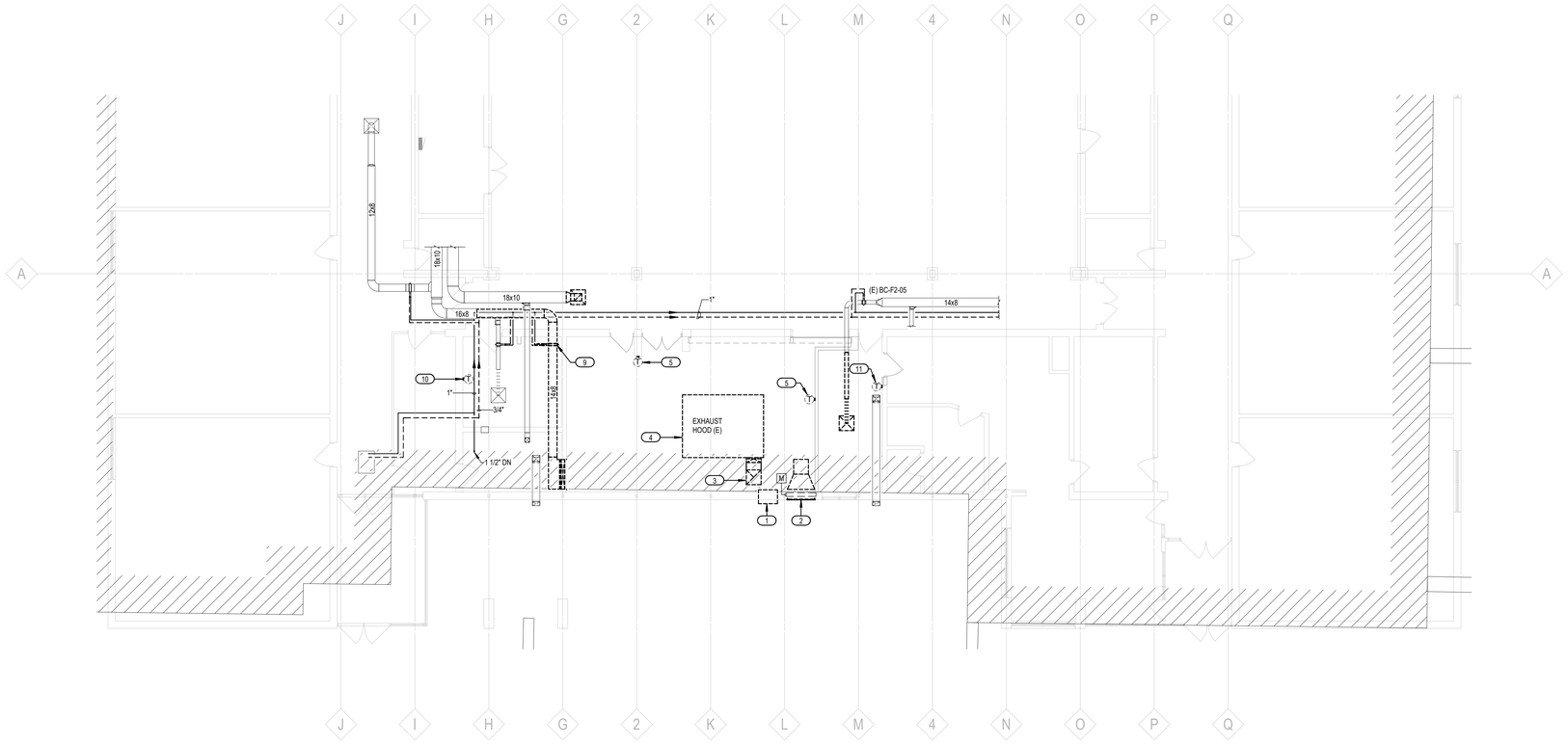
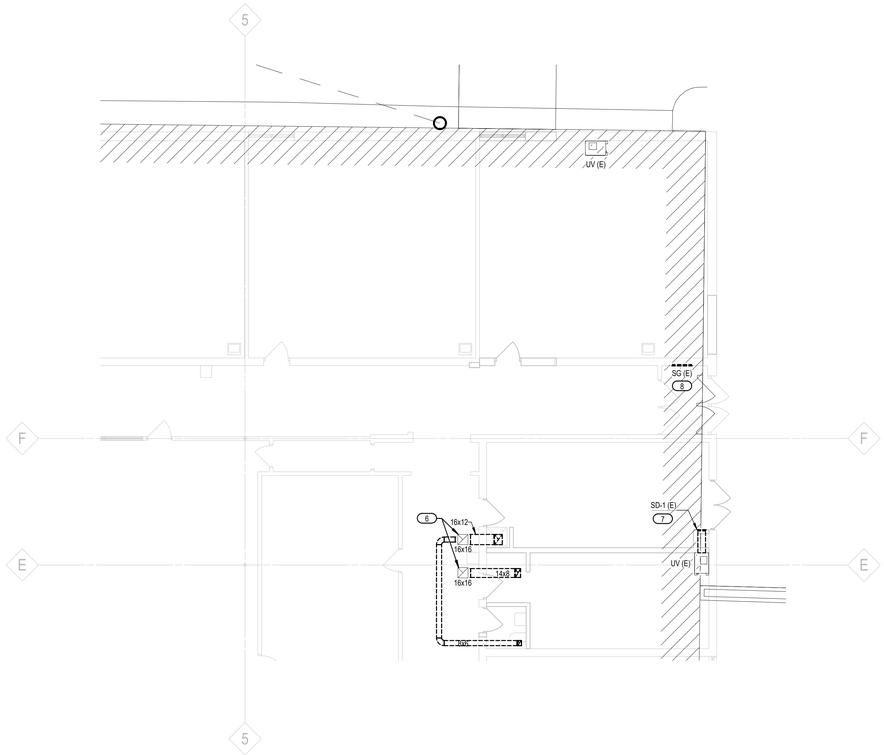


1 FIRST FLOOR MECHANICAL DUCT DEMO - AREA A

1/8" = 1'-0"



2 FIRST FLOOR MECHANICAL DUCT DEMO - AREA B

1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE REMOVAL OF ALL EQUIPMENT WITH OWNER AND WITH OTHER TRADES.
2. VERIFY WITH OWNER EQUIPMENT TO BE SALVAGED.

KEYED NOTES

1. DISCONNECT AND REMOVE WINDOW A/C UNIT. PATCH AND REPAIR OF WALL BY G.C . RETURN UNIT TO OWNER.
2. DISCONNECT AND REMOVE FAN, DAMPER, DUCTWORK AND ASSOCIATED CONTROLS. PATCH AND REPAIR OF WALL BY G.C.
3. DISCONNECT AND REMOVE ROOF-MOUNTED EXHAUST FAN, DUCTWORK, AND ASSOCIATED CONTROL. PATCH AND REPAIR OF ROOF OF G.C.
4. REMOVE KITCHEN EXHAUST HOOD IN IT'S ENTIRETY.
5. REMOVE WALL-MOUNTED T-STAT AND ALL ASSOCIATED CONTROL WIRING. COORDINATE PATCH AND REPAIR OF WALL BY G.C.
6. EXHAUST DUCT RISERS UP TO ROOF MOUNTED EXHAUST FANS TO REMAIN. CAP AND SEAL AIRTIGHT ALL DUCT OPENNIGS REMAINING AFTER BRANCH DUCTWORK IS REMOVED.
7. REMOVE SUPPLY GRILLE AND DUCTWORK BACK TO UNIT VENTILATOR. REFER TO 2/M101 FOR NEW WORK.
8. REMOVE AND REPLACE 30x6 SUPPLY GRILLE WITH NEW.
9. DISCONNECT AND REMOVE DUCT-MOUNTED BOOSTER COIL. REUSE BOOSTER COIL WHERE INDICATED ON NEW WORK PLAN 1/M101.
10. REMOVE AND RELOCATE "COOLING" T-STAT TO NEW CONFERENCE ROOM WHERE INDICATED ON 1/M101.
11. REMOVE AND RELOCATE EXISTING BOOSTER COIL (BC-F2-05) T-STAT PER NEW WORK PLAN 1/M101.

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PROJECT INFORMATION

MIDDLETON - CROSS PLAINS AREA SCHOOL DISTRICT - PARK ELEMENTARY RENOVATIONS

1209 Park St. Cross Plains, WI 53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

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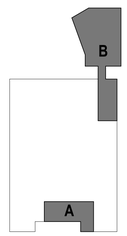

SHEET INFORMATION

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PROJECT MANAGER

PROJECT NUMBER 16517-01

FIRST FLOOR MECHANICAL DEMOLITION PLAN

MD101

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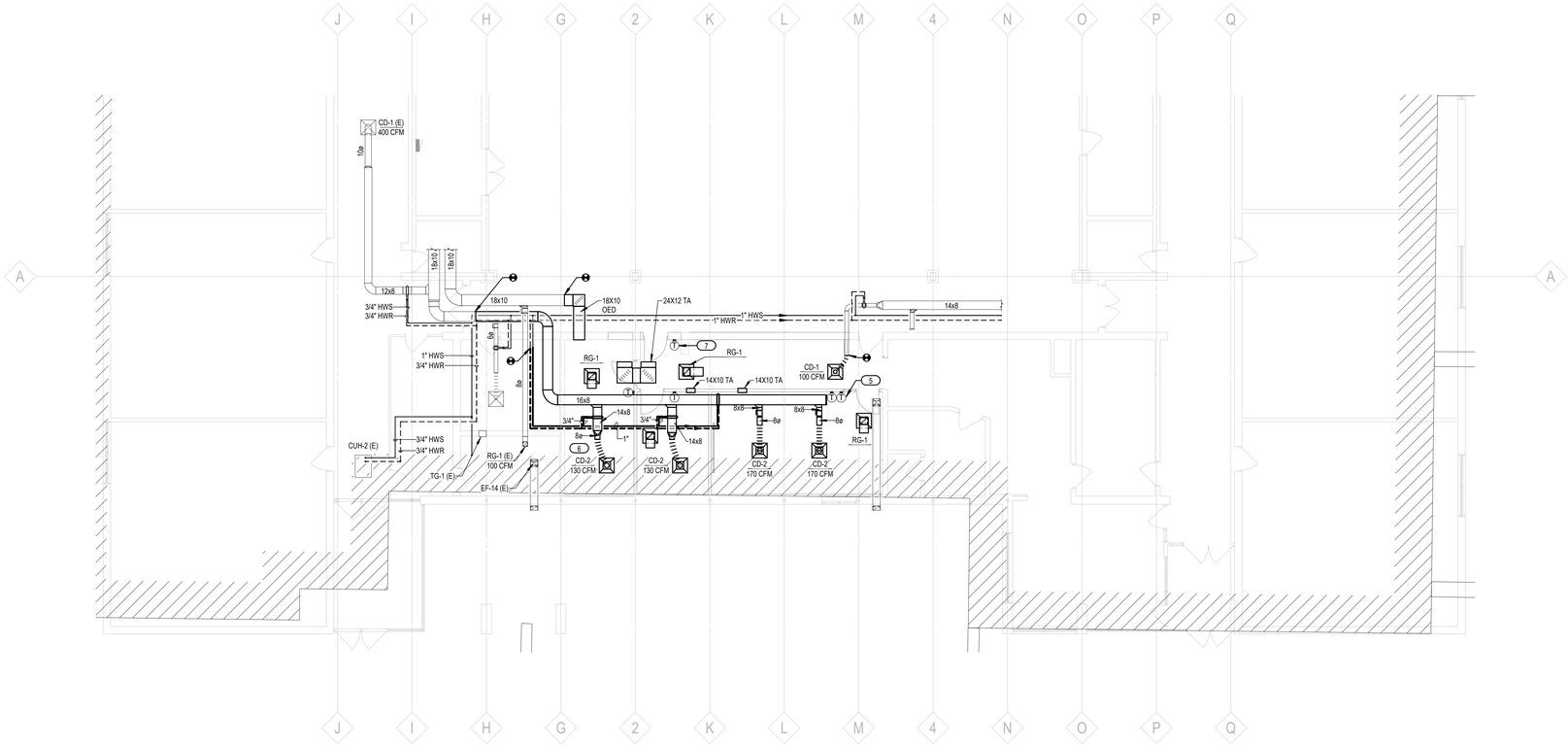
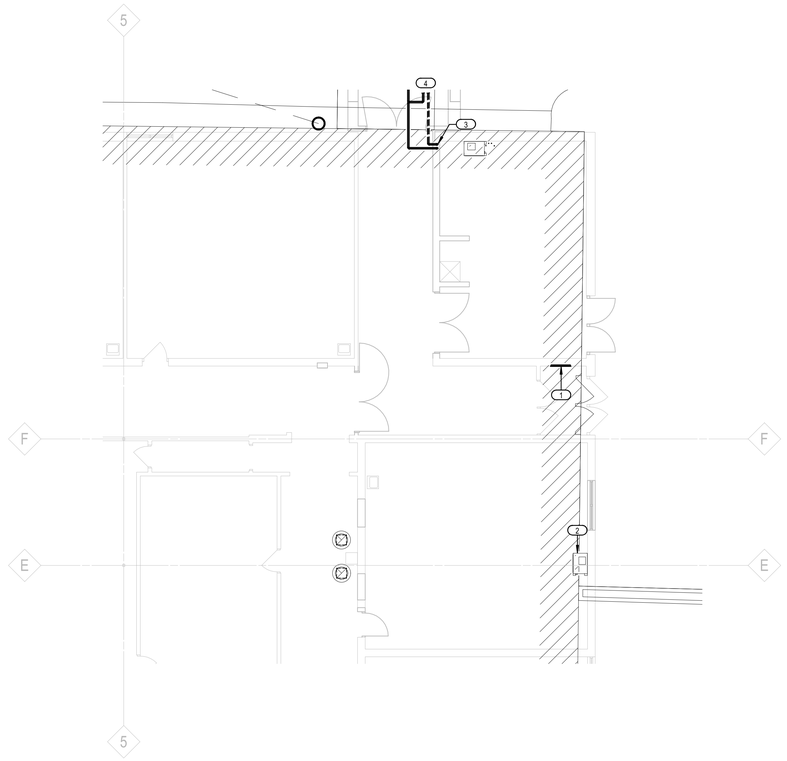


1 FIRST FLOOR DUCTWORK PLAN - AREA A

1/8" = 1'-0"



2 FIRST FLOOR DUCTWORK PLAN - AREA B

1/8" = 1'-0"

GENERAL NOTES

1. ALL NEW AND EXISTING EQUIPMENT AND TEMPERATURE CONTROL WIRING INSTALLED ABOVE CEILING SHALL BE PLENUM RATED.

KEYED NOTES

1. PROVIDE NEW SG-1.
2. PROVIDE NEW SR-1 ON EXISITING UNIT VENTILATOR SUPPLY PLENUM TO MATCH EXISTING. GRILLE COLOR SHALL MATCH EXISTING.
3. ROUTE NEW 2" HWS/R DOWN THROUGH WALL CAVITY TO PIPE TUNNEL BELOW FLOOR AND CONNECT AS SHOWN ON 2/M102.
4. CONTINUE 2" HWS/R TO NEW ADDITION. REFER TO 1/M102 FOR CONTINUATION.
5. RELOCATED "COOLING" T-STAT. INSTALL ADJACENT TO BOOSTER COIL TEMPERATURE SENSOR. PROVIDE ALL NEW TEMPERATURE CONTROL WIRING.
6. REUSE EXISTING 14x8 BOOSTER COIL TO SERVE OFFICE 151 AS SHOWN. PROVIDE ALL NEW TEMPERATURE CONTROL WIRING, CONTROL VALVE, AND WALL-MOUNTED TEMPERATURE SENSOR.
7. RELOCATED BOOSTER COIL (BC-F2-05) T-STAT. PROVIDE NEW CONTROL WIRING AND CONNECTIONS.

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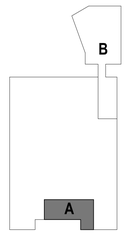

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PROJECT MANAGER

PROJECT NUMBER 16517-01

FIRST FLOOR MECHANICAL PLANS - AREA A

M101

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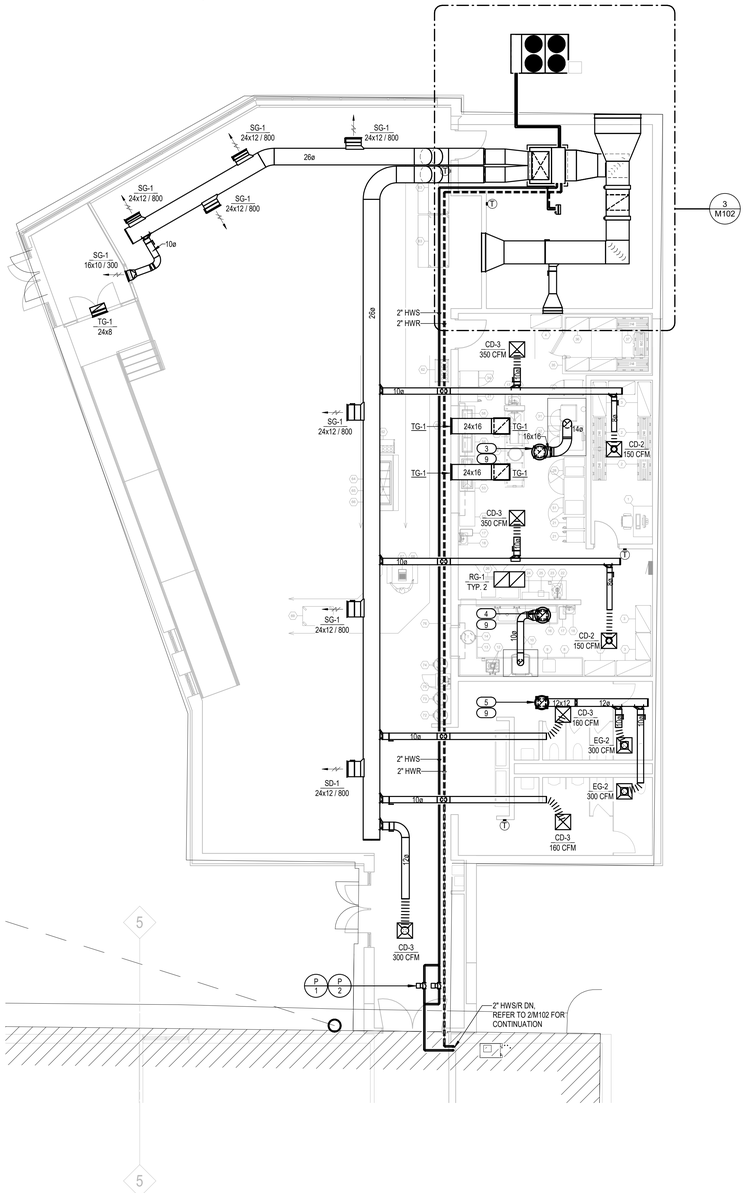
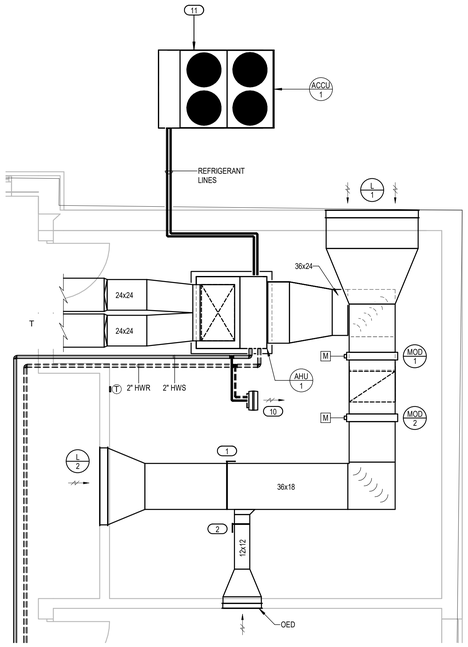


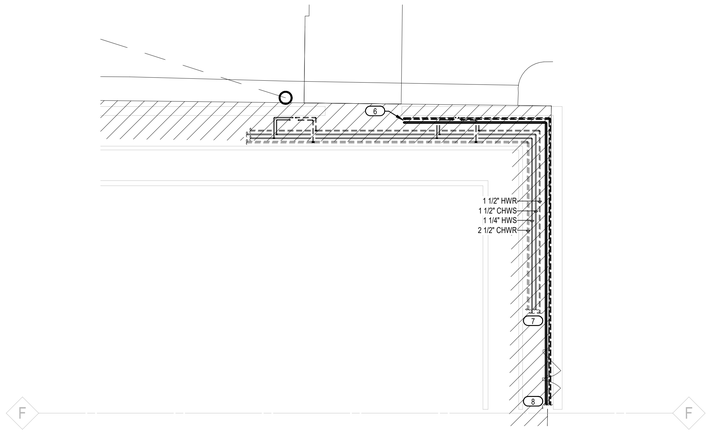
1 FIRST FLOOR DUCTWORK PLAN - AREA B

1/8" = 1'-0"



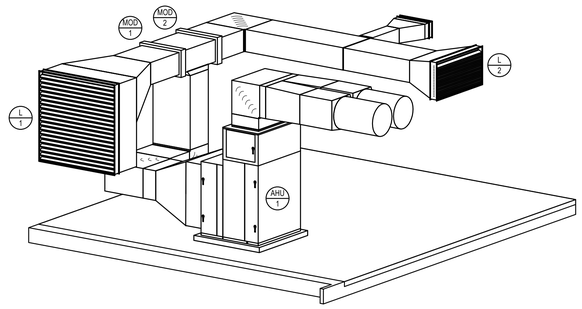
3 MECHANICAL ROOM ENLARGED VIEW

1/4" = 1'-0"



2 TUNNEL MECHANICAL PLAN - AREA B

1/8" = 1'-0"



4 MECHANICAL ROOM 3D VIEW

GENERAL NOTES

1. -
2. -
3. -

KEYED NOTES

1. BALANCE RA AIRFLOW TO 5,200 CFM.
2. BALANCE RA AIRFLOW TO 1,000 CFM.
3. 16x16 EX UP TO EF-1 MOUNTED ON ROOF.
4. 16x16 EX UP TO EF-2 MOUNTED ON ROOF.
5. 12x12 EX UP TO EF-3 MOUNTED ON ROOF.
6. 2" HWS/R UP. REFER TO 1/M102 FOR CONTINUATION.
7. EXISTING HEATING AND CHILLED WATER PIPING CONTINUES IN TUNNEL AND IS STACKED. PIPE ROUTING IS DIAGRAMATIC TO ILLUSTRATE INTENT. NOT ACTUAL INSTALLATION. CONTRACTOR SHALL FIELD VERIFY CONDITIONS PRIOR TO NEW PIPE INSTALLATIONS.
8. CONTINUE NEW 2" HWS/R PIPING THROUGH TUNNEL TO EXISTING 2" HWR MAIN AND CONNECT AS ILLUSTRATED ON CONTROL DIAGRAM 2/M601. NEW BRANCH PIPING SHALL BE DECOUPLED FROM EXISTING 2" HWR MAIN AND ROUTED TO NEW ADDITION AS SHOWN.
9. PROVIDE NEW ROOF-MOUNTED EXHAUST FAN WHERE DUCT RISER THROUGH ROOF IS SHOWN. EXHAUST FAN SHALL BE MOUNTED ON 18" HIGH CURB. CURB SHALL BE FURNISHED BY FAN MANUFACTURER AND INSTALLED BY MECHANICAL CONTRACTOR. REFER TO FAN SCHEDULE ON SHEET M501 AND SECTION 23 34 00 FOR FAN REQUIREMENTS. REFER ALSO TO SHEET M601 AND SECTION 23 09 93 FOR CONTROL REQUIREMENTS.
10. ANGLE UH-1 DOWN TOWARDS FLOOR TO ENSURE AIR PATTERN IS DIRECTED DOWN BELOW RETURN AIR DUCT.
11. ACCU-1 SHALL BE MOUNTED ON CONCRETE EQUIPMENT PAD PROVIDED BY G.C. COORDINATE DIMENSIONS OF PAD WITH FINAL EQUIPMENT SELECTION.

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PROJECT INFORMATION

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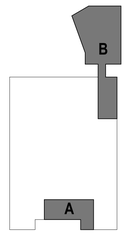

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PROJECT MANAGER

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FIRST FLOOR MECHANICAL PLANS - AREA B

M102

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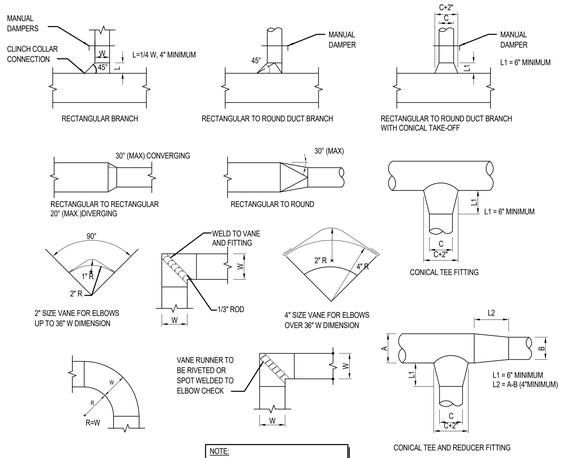
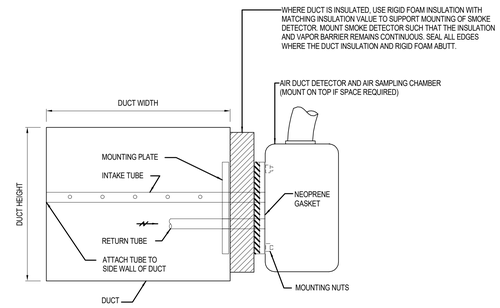


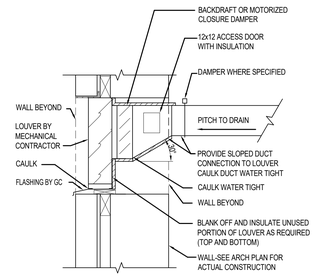
NOTE:
ALL DUCTWORK TO BE CONSTRUCTED TO MEET S.M.A.C.N.A. STANDARDS

1 TYPICAL DUCTWORK DETAILS
NOT TO SCALE



NOTES:
1. SMOKE DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, AND MOUNTED BY MECHANICAL CONTRACTOR.
2. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. PROVIDE ACCESS DOOR AT SAMPLING TUBES.
4. THE TUBE SHALL BE INSTALLED PARALLEL TO LONG DIMENSION OF DUCT.
5. PRODUCT SHALL BE UL268A LISTED FOR DUCT MOUNTED SMOKE DETECTORS, OR UL268A FOR ALL OTHER SMOKE DETECTOR TYPES.
6. EC SHALL TEST ACCORDING TO UL AND CODES IN THE PRESENCE OF CODE AUTHORITY.

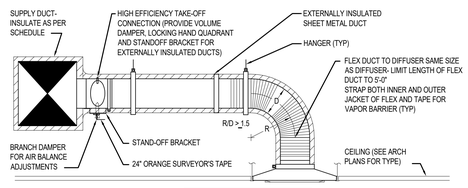
2 SMOKE DETECTOR MOUNTING DETAIL
NOT TO SCALE



NOTES:
1. BIRD SCREEN FOR OUTSIDE AIR INTAKE LOUVER TO BE REMOVABLE OR HINGED AT TOP TO SWING UP.

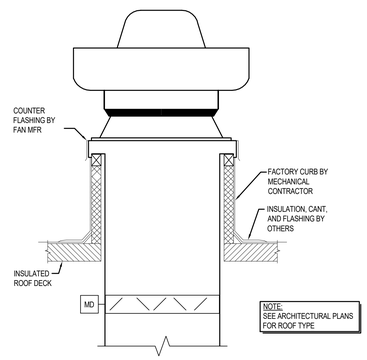
NOTE:
DUCT MAY ATTACH TO BOTTOM OF FRAME IF LOUVER IS DRAINABLE

3 LOUVER CONNECTION DETAIL
NOT TO SCALE



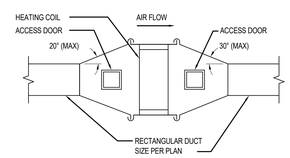
NOTE:
COORDINATE DIFFUSER MOUNTING TYPE WITH CEILING TYPE

4 CEILING DIFFUSER DETAIL
NOT TO SCALE

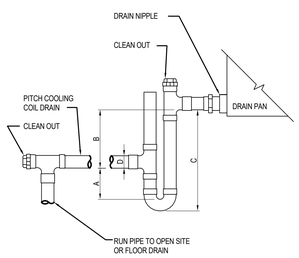


NOTE:
SEE ARCHITECTURAL PLANS FOR ROOF TYPE

5 ROOF-MOUNTED EXHAUST FAN DETAIL
NOT TO SCALE



6 HW COIL DUCT CONNECTION DETAIL
NOT TO SCALE



A = 1/2B
B = SP*+1"
C = A+B+D

COOLING TONS	D
- UP TO 5 TONS	1" PIPE
- 5 TONS-30 TONS	1 1/4" PIPE
- 30 TONS-50 TONS	1 1/2" PIPE
- 50 TONS-UP	2" PIPE

NOTE:
* SP EQUALS ABSOLUTE VALUE OF NEGATIVE STATIC PRESSURE AT FAN SUCTION FOR DRAW THROUGH AIR HANDLING UNIT.

7 NEGATIVE PRESSURE CONDENSATE DRAIN DETAIL
NOT TO SCALE

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PROJECT MANAGER

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MECHANICAL DETAILS

M401

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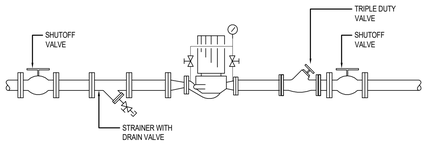
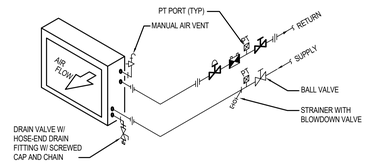
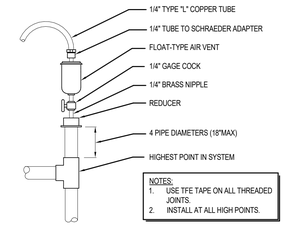


1 INLINE PUMP DETAIL
NOT TO SCALE



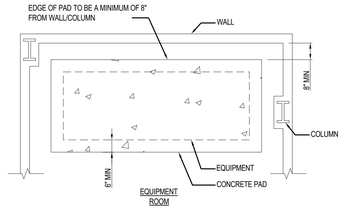
NOTES:
1. WATER FLOW IS COUNTER TO AIR FLOW, OFFSET PIPING FOR SERVICE.
2. ALL VALVES AND CONTROL DEVICES TO BE FULL PORT UNLESS APPROVED BY ENGINEER.
3. IF NO VENT PORT ON COIL, CONTRACTOR SHALL ADD ONE IN PIPE.

2 2-WAY HEATING COIL DETAIL
NOT TO SCALE

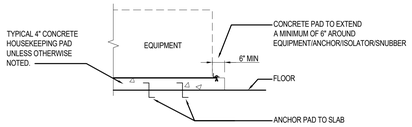


NOTES:
1. USE TFE TAPE ON ALL THREADED JOINTS.
2. INSTALL AT ALL HIGH POINTS.

3 AUTOMATIC AIR VENT ASSEMBLY DETAIL
NOT TO SCALE

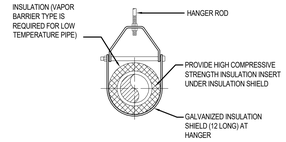


PLAN VIEW



ELEVATION VIEW

4 EQUIPMENT PAD (BY G.C.)
NOT TO SCALE

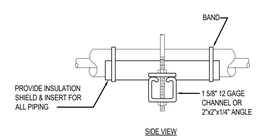


ADJUSTABLE CLEVIS HANGER

HANGER RODS	
NOMINAL PIPE SIZE (INCHES)	MINIMUM ROD DIAMETER (INCHES)
2	3/8

TYPICAL PIPE HANGERS

MAXIMUM PIPE/TUBING SUPPORT SPACING (FEET)					
NOM. SIZE	THRU 3/4"	1	1 1/4	1 1/2	2
COPPER	5'-0"	5	5	8	8
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.					



TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

5 TYPICAL PIPE HANGER DETAIL
NOT TO SCALE

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MECHANICAL DETAILS

M402

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AIR HANDLING UNIT SCHEDULE

SYMBOL	AHU-1
SERVICE	ADDITION
LOCATION	MECHANICAL 163
SUPPLY FAN PERFORMANCE	
CFM	7,000
MINIMUM CFM	2,000
EXTERNAL STATIC PRESSURE	1.50
TOTAL STATIC PRESSURE	2.65
TYPE	DIRECT-DRIVE PLENUM
FAN QUANTITY	2
WHEEL SIZE (IN.)	17.8
SUPPLY FAN MOTOR	
TYPE	ECM
FAN RPM	1,772
TOTAL BHP	2.57
MHP	(2) @ 4.0
MINIMUM OUTSIDE AIR CFM	2,000
HEATING COIL - HOT WATER	
HEATING AIRFLOW (CFM)	6,500
NUMBER OF ROWS	2
EAT °F DB	42.3
LAT °F DB	95
EWT °F	130
LWT °F	100
GPM	25
MBH	350
MAX. A.P.D. IN. W.C.	0.15
W.P.D. FEET HEAD	10.0
DX COOLING COIL - (NOTE 5)	
COOLING AIRFLOW (CFM)	7,000
NUMBER OF ROWS	4
EAT °F DB / WB	78.9/66.4
LAT °F DB / WB	53.5/52.6
REFRIGERANT TYPE	R-410A
DX COIL SUCTION TEMPERATURE (°F)	42.5
FACE VELOCITY (FPM)	405
NUMBER OF CIRCUITS	2
CIRCUIT TYPE	INTERLACED
SENSIBLE CAPACITY (MBH)	206.7
LATENT CAPACITY (MBH)	71.5
TOTAL CAPACITY (MBH)	278.2
MAX. A.P.D. IN. W.C.	0.47
FILTER	
THICKNESS (INCHES)	4"
TYPE	PLEATED - MERV 13
FILTER MAX. PRESSURE DROP (IN. WC.) - CLEAN/DIRTY	0.3/0.55
VELOCITY (FPM)	405
ELECTRICAL	
DISCONNECT BY	EC
DISCONNECT TYPE	-
CONTROLLER/STARTER BY	TCC
CONTROLLER/STARTER TYPE	RELAY
VOLTS/PHASE/HZ	208/3/60
FLA	8.4
MCA	19
MOP	25
MANUFACTURER	AAON
MODEL NUMBER	V3-ERB-3-0-142D-12RB
NOTES	1 - 4

NOTES:
1. REFER TO SPECIFICATION SECTION 23 73 13 FOR ADDITIONAL INFORMATION.
2. REFER TO SPECIFICATION SECTION 23 05 48 FOR VIBRATION ISOLATION REQUIREMENTS.
3. REFER TO SHEET PLANS FOR ALL SERVICE AND ACCESS LOCATIONS.
4. REFER TO SOUND DATA SCHEDULE ON PLANS FOR SOUND REQUIREMENTS.

FAN SCHEDULE

TAG	SERVICE	LOCATION	FAN DATA TYPE	CFM	BHP	MHP	RPM	DRIVE	S.P. (IN. W.C.)	MAX. AMCA SONES	DAMPER (NOTE 4)	MOUNTING TYPE	ELECTRICAL V/a/Hz	DISCONNECT BY	DISCONNECT TYPE	CONTROLLER/STARTER BY	CONTROLLER/STARTER TYPE	WEIGHT	MANUFACTURER	MODEL	NOTES
EF-1	RESTROOMS C2 & C3	ROOF - ADDITION	UPBLAST	600	0.12	0.17	1,553	DIRECT	0.5	8.1	YES	ROOF-MOUNT	120/1/60	MFR	NF	MFR	ECM	36	GREENHECK	CUE-095-VG	1 - 4
EF-2	KITCHEN 161 TYPE II HOOD	ROOF - ADDITION	UPBLAST	1,500	0.27	0.5	1,337	DIRECT	0.5	13.3	YES	ROOF-MOUNT	120/1/60	MFR	NF	MFR	ECM	62	GREENHECK	CUE-131-VG	1 - 4
EF-3	KITCHEN 161 DISHWASHER HOOD	ROOF - ADDITION	UPBLAST	700	0.12	0.25	1,372	DIRECT	0.5	7.6	YES	ROOF-MOUNT	120/1/60	MFR	NF	MFR	MS	40	GREENHECK	CUE-099-VG	1 - 4

NOTES:
1. SEE SPECIFICATION SECTION 23 34 00 FOR ADDITIONAL INFORMATION.
2. SEE SPECIFICATION SECTION 23 05 48 FOR VIBRATION ISOLATION REQUIREMENTS.
3. PROVIDE FAN WITH VARIABLE SPEED CONTROLLER.
4. 120V MOTORIZED OPERATING DAMPER SHALL BE FURNISHED BY FAN MANUFACTURER AND INSTALLED BY M.C. DAMPER SHALL BE INSTALLED BELOW ROOF LINE WITH ACTUATOR EXTERNALLY MOUNTED. FAN SHALL BE POWERED THROUGH DAMPER. REFER TO EXHAUST FAN CONTROL DIAGRAMS ON M602 FOR CONTROL REQUIREMENTS.

AIR COOLED CONDENSING UNIT SCHEDULE

TAG	LOCATION	SERVES	REFRIGERANT	DESIGN TONS	NO. OF COMPRESSORS (NOTE 1)	NO. OF CIRCUITS	SUCTION TEMPERATURE (°F)	AMBIENT TEMP. (°F)	MIN. EER @ OPERATING CONDITIONS	FANS HP	FANS NO.	ELECTRICAL V/a/Hz	FLA/ RLA	MCA	MOCP AMPS	DISCONNECT BY	DISCONNECT TYPE	CONTROLLER/STARTER BY	MANUFACTURER	MODEL	NOTES
CU-1	NORTH SIDE OF ADDITION	AHU-1	R-410A	25	2	2	43	95	11.4	1	4	208/3/60	124.0	136	175	MFR.	NF	MFR.	AAON	CFA-025-C-A-3-D-C-00K	1 - 4

NOTES:
1. UNIT SHALL BE PROVIDED WITH A MINIMUM OF ONE (1) VARIABLE CAPACITY SCROLL COMPRESSOR.
2. UNIT SHALL BE EQUIPPED WITH A SINGLE-POINT POWER CONNECTION AND DISCONNECT. DISCONNECT SHALL BE FURNISHED BY UNIT MANUFACTURER AND SHIPPED LOOSED TO BE INSTALLED BY E.C.
3. PROVIDE UNIT WITH TERMINAL STRIP FOR BAS CONTROL.
4. REFER TO SOUND DATA SCHEDULE ON PLANS FOR SOUND REQUIREMENTS.

PUMP SCHEDULE

TAG	SERVES	LOCATION	PUMP TYPE	PUMPED FLUID	DESIGN FLOW (GPM)	DESIGN HEAD (FT. HD)	ELECTRICAL HP	RPM	AMPS	V/a/Hz	DISCONNECT BY	DISCONNECT TYPE	CONTROLLER/STARTER BY	CONTROLLER/STARTER TYPE	PUMP SIZE (IN.) SUCTION	DISCHARGE	MANUFACTURER	PUMP MODEL	NOTES
P-1	HEATING WATER DISTRIBUTION	CORRIDOR C1 - ABOVE CEILING	INLINE	WATER	40	45	2.175	-	6.9	230/1/60	EC	-	MFR.	ECM	3	3	TACO	VR30	1, 2
P-2	HEATING WATER DISTRIBUTION	CORRIDOR C1 - ABOVE CEILING	INLINE	WATER	40	45	2.175	-	6.9	230/1/60	EC	-	MFR.	ECM	3	3	TACO	VR30	1, 2

NOTES:
1. REFER TO SPECIFICATION SECTION 23 21 23 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. PUMP SIZED FOR 100 PERCENT OF DESIGN FLOW (N+1).

MOTOR OPERATED DAMPER SCHEDULE

TAG	SERVES	LOCATION	SIZE (W x H) (IN.)	CONTROLLED AIRFLOW MIN. CFM	MAX. CFM	OPPOSED OR PARALLEL BLADES	HORIZONTAL OR VERTICAL BLADES	INSULATED	ACTUATOR TYPE	ACTUATOR STYLE	POWER FAILURE POSITION	POSITIVE POSITION FEEDBACK	NOTES
MOD-1	AHU-1 OUTSIDE AIR	MECHANICAL 163	SEE DUCTWORK PLANS	1,500	7,000	PARALLEL	VERTICAL	YES	24V	MODULATING	CLOSED	NO	1 - 3
MOD-2	AHU-1 RETURN AIR	MECHANICAL 163	SEE DUCTWORK PLANS	1,500	6,200	PARALLEL	VERTICAL	NO	24V	MODULATING	OPEN	NO	1 - 3

NOTES:
1. SEE SPECIFICATION SECTION 23 33 00 FOR ADDITIONAL INFORMATION.
2. COORDINATE DAMPER ACTUATOR LOCATION AND MOUNTING REQUIREMENTS WITH TEMPERATURE CONTROL CONTRACTOR.
3. COORDINATE ALL POWER AND CONTROL REQUIREMENTS WITH SEQUENCES OF OPERATION IN SECTION 23 09 93.
4. DAMPER ACTUATOR SHALL BE EQUIPPED WITH END SWITCH TO PROVE OPEN PRIOR TO ASSOCIATED FAN STARTING.

LOUVER SCHEDULE

TAG	LOCATION	SERVICE	CFM	QTY.	LOUVER PERFORMANCE LOUVER SIZE (W" x H")	FREE AREA VELOCITY (FPM)	S.P. (IN. W.C.)	MIN. FREE AREA (SF)	CONSTRUCTION	FINISH TYPE	MANUFACTURER	MODEL	NOTES
L-1	MECHANICAL 163	OUTSIDE AIR	7,000	1	72 x 72	315	0.03	22.35	EXT. ALUMINUM	KYNAR 500	GREENHECK	ESD-635	1, 2
L-2	MECHANICAL 163	RETURN AIR	5,200	1	60 X 30	870	0.15	6.09	EXT. ALUMINUM	BAKED ENAMEL	GREENHECK	ESJ-401	1, 2

NOTES:
1. SEE SPECIFICATION SECTION 23 33 00 FOR ADDITIONAL INFORMATION.
2. COLOR SELECTION SHALL BE SELECTED BY ARCHITECT.

PIPING INSULATION SCHEDULE

SERVICE	INSULATION TYPE	JACKET	INSULATION THICKNESS < 1"	1 to < 1-1/2"	1-1/2" to < 4"	4" to < 8"	8" and Larger	NOTES
HEATING WATER	RIGID FIBERGLASS	ASJ	1-1/2"	1-1/2"	2"	2"	2"	1, 2
REFRIGERANT SUCTION (> 40°F)	ELASTOMERIC	NONE	0.5"	1.0"	1.5"	1.5"	1.5"	1, 2
REFRIGERANT SUCTION (20°F TO 40°F)	ELASTOMERIC	NONE	1.0"	1.5"	1.5"	1.5"	1.5"	1, 2

NOTES:
1. ON 1" OR SMALLER HOT WATER PIPE RUNOUTS TO TERMINAL UNIT COILS THE INSULATION THICKNESS MAY BE REDUCED TO 1/2" ON BOTH THE SUPPLY AND RETURN PIPES WITHIN 4FT OF THE COIL BUT NOT ON THE DISTRIBUTION SYSTEM SIDE OF THE TEMPERATURE CONTROL VALVE.
2. REFER TO PLANS AND SPECIFICATION SECTION 23 07 00 FOR ADDITIONAL INSULATION REQUIREMENTS.

SOUND DATA SCHEDULE

EQUIPMENT TAG	LOCATION	TYPE	OCTAVE BAND 63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	NOTES
AHU-1	MECHANICAL 163	RADIATED									1, 2
		INLET	73	75	80	78	75	74	73	71	
		OUTLET	77	79	84	84	86	80	77	73	
CU-1	NORTH SIDE OF ADDITION	RADIATED									1, 2
		INLET									
		OUTLET									

NOTES:
1. REFER TO ASSOCIATED EQUIPMENT SCHEDULES FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO SECTION 23 05 48 FOR VIBRATION ISOLATION REQUIREMENTS.

DUCTWORK INSULATION SCHEDULE

SERVICE	INSULATION TYPE	JACKET	INSULATION THICKNESS	NOTES
OUTSIDE AIR DUCTS	RIGID FIBERGLASS	FSJ	2"	
MIXED AIR DUCTS	RIGID FIBERGLASS	FSJ	2"	
EXPOSED SUPPLY DUCTS	RIGID FIBERGLASS	FSJ	2"	1
CONCEALED SUPPLY DUCTS	FLEXIBLE FIBERGLASS	FSJ	1-1/2"	
EXHAUST DUCT SERVING DISHWASHER	FLEXIBLE FIBERGLASS	FSJ	1-1/2"	
KITCHEN EXHAUST DUCT SERVING TYPE 2 KITCHEN HOOD	FLEXIBLE FIBERGLASS	FSJ	1-1/2"	

NOTES:
1. EXPOSED SUPPLY BRANCH DUCTS LOCATED IN THE SAME SPACES THEY ARE SERVING DO NOT REQUIRE INSULATION. EXPOSED SUPPLY MAIN DUCT RUNNING THROUGH SPACES THEY SERVE SHALL BE INSULATED AS EXPOSED SUPPLY DUCTS AS SCHEDULED ABOVE.

GRILLES REGISTERS & DIFFUSERS SCHEDULE

TAG	DESCRIPTION	NECK SIZE (IN.)	FACE SIZE (IN.)	MATERIAL	FINISH	MAX PRESS. DROP (IN. W.C.)	MANUFACTURER	MODEL	NOTES	ADDITIONAL REMARKS
CD-1	PLAQUE DIFFUSER	6	24x24	STEEL	NOTE 1	0.1"	CARNES	SFPA	1 - 5	
CD-2	PLAQUE DIFFUSER	8	24x24	STEEL	NOTE 1	0.1"	CARNES	SFPA	1 - 5	
CD-3	PLAQUE DIFFUSER	10	24x24	STEEL	NOTE 1	0.1"	CARNES	SFPA	1 - 5	
CD-4	PLAQUE DIFFUSER	12	24x24	STEEL	NOTE 1	0.1"	CARNES	SFPA	1 - 5	
CD-5	PLAQUE DIFFUSER	14	24x24	STEEL	NOTE 1	0.1"	CARNES	SFPA	1 - 5	
CD-6	PLAQUE DIFFUSER	16	24x24	STEEL	NOTE 1	0.1"	CARNES	SFPA	1 - 5	
SG-1	SUPPLY GRILLE	SEE PLAN	INLET + 2	STEEL	NOTE 1	0.1"	CARNES	RSDBH	1 - 5	22.5" HORIZONTAL FRONT BLADE ALIGNMENT
RG-1	45° DEFLECTION	SEE PLAN	INLET + 2	STEEL	NOTE 1	0.1"	CARNES	RSABH	1 - 6	HORIZONTAL BAR ALIGNMENT
TG-1	45° DEFLECTION	SEE PLAN	INLET + 2	STEEL	NOTE 1	0.1"	CARNES	RSABH	1 - 5	HORIZONTAL BAR ALIGNMENT; TRANSFER DUCT SHALL BE FULLY LINED WITH 1" DUCT LINER
EG-1	45° DEFLECTION	8	24x24	STEEL	NOTE 1	0.01"	CARNES	SPRB	1 - 5	
EG-2	45° DEFLECTION	10	24x24	STEEL	NOTE 1	0.01"	CARNES	SPRB	1 - 5	
EG-3	45° DEFLECTION	12	24x24	STEEL	NOTE 1	0.01"	CARNES	SPRB	1 - 5	

NOTES:
1. COLOR SELECTION BY ARCHITECT.
2. SEE SPECIFICATION SECTION 23 33 00 FOR ADDITIONAL INFORMATION.
3. CONTRACTOR SHALL DETERMINE PROPER MARGIN STYLE TO MATCH CEILING CONSTRUCTION.
4. ALL RUN OUT DUCTWORK TO DIFFUSERS SHALL BE NECK SIZE UNLESS OTHERWISE NOTED.
5. ALL ALUMINUM CONSTRUCTION FOR KITCHEN AND DISHWASHER AREA. NON FERROUS FASTENERS ARE REQUIRED.
6. PROVIDE RETURN AIR CANOPY EQUAL TO PRICE MODEL RAC - 24x24.

UNIT HEATER SCHEDULE - HOT WATER

TAG	LOCATION	FAN DATA CFM	HP	RPM	ELECTRICAL VOLT	PHASE	DISCONNECT BY	DISCONNECT TYPE	CONTROLLER/STARTER BY	HOT WATER HEATING COIL MBH	EAT (°F)	LAT (°F)	NO. OF ROWS	EWT (°F)	LWT (°F)	GPM	W.P.D. (FT. HD)	MOUNTING ARRANGEMENT	MANUFACTURER	MODEL	NOTES
UH-1	MECHANICAL 163	550	25 WATTS	1,550	115	1	MFR	-	MFR	13.5	65	89	2	130	100	1.5	0.1	HORIZONTAL	TRANE	UHSB-036	1

NOTES:
1. SEE SPECIFICATION SECTION 23 82 00 FOR ADDITIONAL INFORMATION.

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PROJECT INFORMATION

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1209 Park St. Cross Plains, WI 53528

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PROJECT MANAGER

PROJECT NUMBER 16517-01

MECHANICAL SCHEDULES

M501

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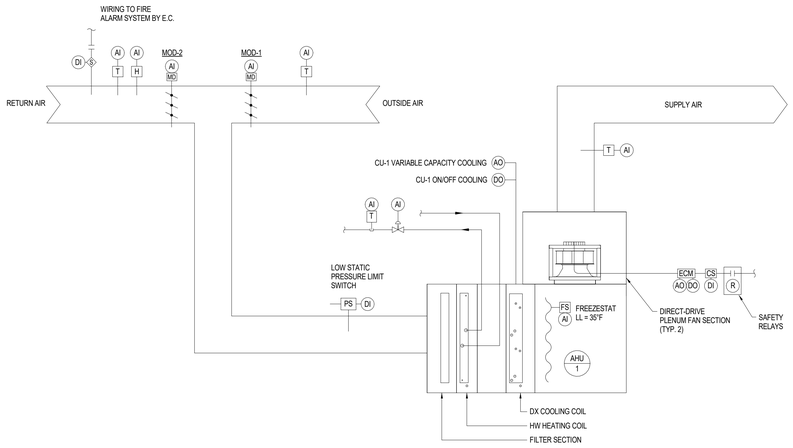
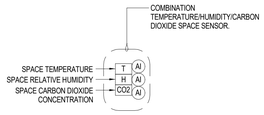
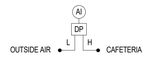




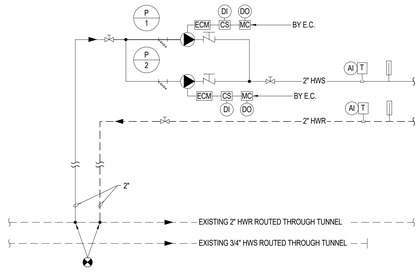


BUILDING STATIC PRESSURE SENSOR. INPUT USED FOR EXHAUST FAN SPEED CONTROL. REFER TO PLANS FOR SENSOR LOCATION.

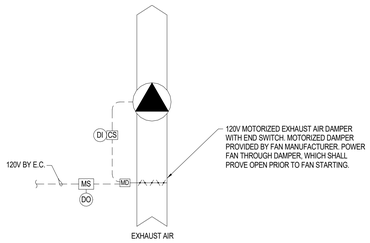
CONTROL DIAGRAMS LEGEND

PRESSURE/TEMPERATURE GAUGE (°F)	PT	DP	DIFFERENTIAL PRESSURE SENSOR (IN. W.G. OR FT. HD.)
TEMPERATURE GAUGE (°F)		S	SMOKE DETECTOR
TEMPERATURE SENSOR (°F)	T	ECM	ELECTRONIC COMMUTATED MOTOR
HUMIDITY SENSOR (%RH)	H	HOA	MOTOR STARTER WITH HAND/OFF/AUTO SWITCH
MOTOR OPERATED DAMPER	MD	TEC	TERMINAL EQUIPMENT CONTROLLER
CONTROL VALVE		FACP	FIRE ALARM CONTROL PANEL
RELAY	R		AVERAGING SENSOR (TEMPERATURE)
PUMP			FAN
DIGITAL INPUT	DI	AI	ANALOG INPUT
DIGITAL OUTPUT	DO	AO	ANALOG OUTPUT
CIRCUIT SETTER		CS	CURRENT SENSOR
PRESSURE REDUCING VALVE		PS	PRESSURE SENSOR
BALL VALVE/SHUT-OFF VALVE			REDUCER
SILENT CHECK VALVE			FLOW DIRECTION ARROW
TRIPLE DUTY VALVE			MANUAL AIR VENT (MAV)
2-WAY MODULATING CONTROL VALVE			PRESSURE GAUGE
STRAINER			UNION
STRAINER WITH BLOWDOWN			PRESSURE RELIEF VALVE
SUCTION DIFFUSER W/ STRAINER AND BLOWDOWN	SD	PT	PRESSURE/TEMPERATURE PORT
DRAIN VALVE			FLEX CONNECTION
			THERMOMETER

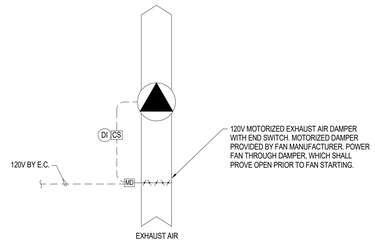
1 VAV AIR-HANDLING UNIT CONTROL (AHU-1)
NOT TO SCALE



2 HEATING WATER PUMP CONTROL
NOT TO SCALE

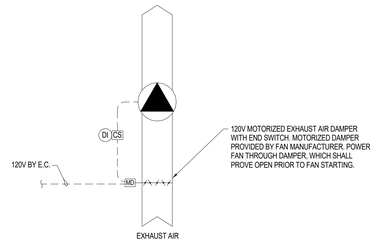


3 TOILET EXHAUST FAN (EF-1) CONTROL
NOT TO SCALE



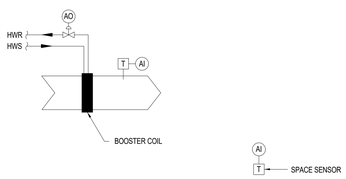
NOTE: FAN SHALL BE ENABLED/DISABLED BY USER AT THE RESPECTIVE HOOD VIA PUSH-BOTTON SWITCH.

4 KITCHEN EXHAUST FAN (EF-2) CONTROL
NOT TO SCALE

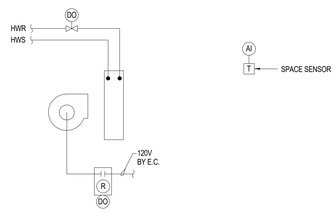


NOTE: FAN SHALL BE ENABLED/DISABLED BY USER AT THE RESPECTIVE HOOD VIA PUSH-BOTTON SWITCH.

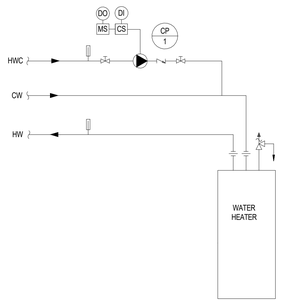
5 DISHWASHER EXHAUST FAN (EF-3) CONTROL
NOT TO SCALE



6 BOOSTER COIL CONTROL
NOT TO SCALE



7 UNIT HEATER/CABINET UNIT HEATER CONTROL
NOT TO SCALE



8 DOMESTIC WATER HEATING SYSTEM CONTROL
NOT TO SCALE

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PROJECT MANAGER

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MECHANICAL CONTROL DIAGRAMS

M601

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AHU-1 INPUT / OUTPUT SUMMARY TABLE (REF. SHEET M600)

POINT DESCRIPTION	HARDWARE POINTS				SOFTWARE POINTS			ALARMS			TREND	SHOW ON GRAPHIC
	INPUTS		OUTPUTS		ANALOG VALUE	BINARY VALUE	SCHED.	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY		
	DIGITAL	ANALOG	DIGITAL	ANALOG								
I/O POINT TOTAL	2	10	2	5	5	0	1	0	2	0	2	21
POINT DESCRIPTION	DI	AI	DO	AO	AV	BV	SCHED	H.LIMIT	L.LIMIT	BINARY	TREND	GRAPHIC
AHU-1 CONTROL												
OUTSIDE AIR TEMPERATURE		X										X
BUILDING STATIC PRESSURE		X										X
BUILDING STATIC PRESSURE SETPOINT					X							X
AHU-1 SUPPLY FAN START/STOP (MATCH # OF FANS)			X				X					
AHU-1 SUPPLY FAN SPEED (MATCH # OF FANS)				X								X
AHU-1 SUPPLY FAN STATUS (MATCH # OF FANS)	X											X
AHU-1 HEATING WATER COIL CONTROL VALVE POSITION				X							X	X
AHU-1 HEATING WATER COIL LEAVING WATER TEMPERATURE		X									X	X
AHU-1 STAGE-1 COOLING VARIABLE CAPACITY				X								X
AHU-1 STAGE-2 COOLING ON/OFF			X									X
AHU-1 SUPPLY AIR TEMPERATURE		X										X
AHU-1 SUPPLY AIR TEMPERATURE SETPOINT					X							X
AHU-1 RETURN AIR TEMPERATURE		X										X
AHU-1 RETURN AIR RELATIVE HUMIDITY		X										X
AHU-1 OUTSIDE AIR DAMPER (MOD-1) POSITION				X								X
AHU-1 RETURN AIR DAMPER (MOD-2) POSITION				X								X
SPACE TEMPERATURE (°F)		X										X
SPACE TEMPERATURE (°F) SETPOINT					X							X
SPACE RELATIVE HUMIDITY (%RH)		X										X
SPACE RELATIVE HUMIDITY (%RH) SETPOINT					X							X
SPACE CARBON DIOXIDE LEVEL (PPM)		X										X
SPACE CARBON DIOXIDE LEVEL (PPM) SETPOINT					X							X
AHU-1 SAFETY CONTROL												
AHU-1 FREEZE STAT		X							X			
AHU-1 LOW STATIC PRESSURE LIMIT	X								X			

MISC. EQUIPMENT INPUT / OUTPUT SUMMARY TABLE (REF. SHEET M600)

POINT DESCRIPTION	HARDWARE POINTS				SOFTWARE POINTS			ALARMS			TREND	SHOW ON GRAPHIC
	INPUTS		OUTPUTS		ANALOG VALUE	BINARY VALUE	SCHED.	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY		
	DIGITAL	ANALOG	DIGITAL	ANALOG								
I/O POINT TOTAL	5	3	7	0	2	0	2	3	0	1	1	10
POINT DESCRIPTION	DI	AI	DO	AO	AV	BV	SCHED	H.LIMIT	L.LIMIT	BINARY	TREND	GRAPHIC
HEATING WATER PUMP CONTROL												
OUTSIDE AIR TEMPERATURE												X
P-1 START/STOP			X									
P-1 STATUS	X											X
P-2 START/STOP			X									
P-2 STATUS	X											X
GENERAL EXHAUST FAN (EF-1) CONTROL												
EF-1 FAN START/STOP			X				X				X	
EF-1 FAN STATUS		X										X
KITCHEN EXHAUST HODD FAN (EF-2) CONTROL												
EF-2 FAN STATUS	X											X
DISHWASHER EXHAUST HODD FAN (EF-3) CONTROL												
EF-3 FAN STATUS	X											X
BOOSTER COIL CONTROL (TYP.)												
HEATING WATER COIL CONTROL VALVE POSITION			X									X
SPACE TEMPERATURE (°F)		X										X
SPACE TEMPERATURE (°F) SETPOINT					X							X
HOT WATER UNIT/CABINET UNIT HEATER CONTROL (TYP.)												
FAN START/STOP			X									
HEATING WATER COIL CONTROL VALVE POSITION			X					X				
SPACE TEMPERATURE (°F)		X						X				
SPACE TEMPERATURE (°F) SETPOINT					X			X				
DOMESTIC WATER HEATING SYSTEM CONTROL												
HOT WATER CIRCULATION PUMP (CP-1) START/STOP			X				X					
HOT WATER CIRCULATION PUMP (CP-1) STATUS	X									X		X

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MECHANICAL INPUT/OUTPUT SUMMARY

M602

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GENERAL DEMOLITION NOTES

1. THE ELECTRICAL DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.

2. ELECTRICAL ITEMS (i.e., LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN (i.e., FOR MAINTENANCE PURPOSES).

3. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF POWER TO CIRCUITS, FEEDERS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.

4. WHERE LIGHTS, SWITCHES, RECEPTACLES, ETC., ARE BEING REMOVED ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE PANELBOARD OR FEEDER JUNCTION BOX SERVING THE DEVICE SHALL ALSO BE REMOVED, UNLESS THE CONDUIT CAN BE REUSED FOR NEW CONDUCTORS.

5. ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED.

6. THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING ELECTRICAL AND INSTALLING NEW ITEMS.

7. EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATED EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.

8. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.

9. CONTRACTOR SHALL REMOVE AND INSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.

10. BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.

11. HID AND FLUORESCENT LAMPS CONTAIN MERCURY AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.

12. DEMOLISH ELECTRICAL CONNECTION AND ELECTRICAL DISCONNECT AND CONTROLS SERVING EXISTING EQUIPMENT NOTED FOR REMOVAL. WHERE CIRCUITS ARE NOT BEING RETAINED FOR REUSE, REMOVE CONDUIT AND WIRING BACK TO SOURCE PANEL AND LABEL EXISTING CIRCUIT BREAKER AS SPARE.

13. DEMOLISH ELECTRICAL LIGHTING FIXTURES, WIRING DEVICES, VOICE/DATA OUTLETS, AND OTHER LOW VOLTAGE SYSTEM DEVICES INDICATED. REMOVE CONDUIT, WIRING, OR CABLING BACK TO SOURCE PANEL OR LOW VOLTAGE RACK OR ENCLOSURE. CIRCUIT BREAKERS SHALL BE LABELED AS SPARE.

GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.

2. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS.

3. SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.

4. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.

5. INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.

6. UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.

7. ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.

8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE AND SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID.

9. ELECTRICAL DEVICES/EQUIPMENT SHOWN AS DASHED AND BOLD ARE EXISTING TO BE REMOVED, ELECTRICAL DEVICES/EQUIPMENT SHOWN AS LIGHT AND SOLID ARE EXISTING TO REMAIN, AND ELECTRICAL DEVICES/EQUIPMENT SHOWN AS BOLD AND SOLID SHALL BE NEW.

10. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN ONLY FOR COMMUNICATIONS DEVICES, INCLUDING 4" SQUARE, MINIMUM 2-1/8" DEEP BACKBOX WITH SINGLE GANG MUD RING AND 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING WITH 90 DEGREE BEND INTO THE ROOM AND PLASTIC BUSHING.

11. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED COSTS AND SCHEDULING OF REQUIRED ELECTRICAL INSPECTIONS.

12. ELECTRICAL CONTRACTOR SHALL SALVAGE DEVICES BEING REMOVED FOR SPECIALIZED SYSTEMS. INCLUDING BUT NOT LIMITED TO CARD READERS ALONG WITH ASSOCIATED EQUIPMENT, CAMERAS, AND ASSOCIATED EQUIPMENT. THESE ITEMS SHALL BE RETURNED TO THE OWNER.

13. PROTECT LOW VOLTAGE CABLE FROM DEMOLITION OPERATIONS. DO NOT DISRUPT WITHOUT WRITTEN OWNER APPROVAL UPON 5 DAY MINIMUM NOTICE.

FIRE ALARM GENERAL NOTES

1. NEW FIRE ALARM DEVICES SHALL BE SERVED FROM AND COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. NOTIFICATION DEVICES SHALL BE CEILING MOUNTED HORNS AND STROBES, AND INITIATION DEVICES SHALL BE MANUAL PULL STATIONS, SMOKE DETECTORS, AND HEAT DETECTORS.

2. CONTRACTOR MUST PROVIDE A COMPLETE, FULLY OPERATIONAL FIRE ALARM SYSTEM THAT OPERATES RELIABLY FOR ITS' INTENDED PURPOSE. EXISTING MAIN FIRE ALARM CONTROL PANEL SHALL BE UPGRADED OR EXPANDED WITH THE APPROPRIATE HARDWARE AND/OR SOFTWARE TO ALLOW FOR NEW DEVICES TO BE ADDED TO SYSTEM. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO VERIFY EXPANDABILITY AND COMPATIBILITY OF EXISTING FIRE ALARM SYSTEM PRIOR TO BIDDING.

3. NEW DEVICES SHALL BE PROGRAMMED TO MATCH EXISTING SEQUENCE OF OPERATIONS FOR THE FIRE ALARM SYSTEM.

4. EXISTING FIRE ALARM ANNUNCIATORS SHALL ANNUNCIATE ALL NEW DEVICES AND ADDRESSES.

5. NEW FIRE ALARM NAC PANELS SHALL BE INSTALLED AS NEEDED AND PROVIDED WITH 90 MINS OF BATTERY BACK-UP.

6. FIRE ALARM SYSTEM, INCLUDING CONDUCTORS AND CABLING, SHALL MEET THE REQUIREMENTS OF NFPA 70, NFPA 72 AND NFPA 101 WITHOUT EXCEPTION. PER NFPA 70, CABLING ABOVE SUSPENDED CEILING MUST BE SUPPORTED BY MEANS INDEPENDENT FROM THAT PROVIDED TO SUPPORT THE SUSPENDED CEILING OR OTHER ITEMS SUSPENDED FROM STRUCTURE.

7. CONTRACTOR SHALL PROVIDE PLANS, SPECIFICATIONS AND PRODUCT DATA DOCUMENTATION TO STATE AND LOCAL FIRE ALARM OFFICIALS UPON REQUEST FOR THE PURPOSE OF SCHEDULING AND PERFORMING REVIEWS AS WELL AS PAYMENTS. FIRE ALARM SYSTEM DEFICIENCIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

8. FIRE ALARM CABLING SHALL BE REQUIRED TO BE PLENUM RATED.

9. FIRE ALARM SYSTEM SHOP DRAWING SUBMITTALS AND O&M MANUALS SHALL INCLUDE THE FOLLOWING:
   - 9.1 MANUFACTURER'S PUBLISHED DATA, INCLUDING: INSTALLATION MANUAL, TROUBLESHOOTING MANUAL, MAINTENANCE MANUAL, TESTING AND COMMISSIONING MANUAL AND SHOP DRAWINGS, PRODUCT DATA DOCUMENTS FOR HARDWARE, SOFTWARE WITH VERSION NUMBER, DEVICES, PANELS AND CATALOG ORDER FORMS WITH PART NUMBERS CLEARLY MARKED.
   - 9.2 WIRING AND INSTALLATION DIAGRAMS, VOLTAGE DROP CALCULATIONS, AND BATTERY CALCULATIONS.
   - 9.3 RISER DIAGRAMS AND FLOORS PLANS WITH DEVICE ADDRESSES INDICATED, AND POINT TO POINT WIRING REQUIREMENTS.
   - 9.4 MASTER POINTS LISTING INDICATING DEVICES, ADDRESSES, AND INSTALLED LOCATION, AND OPERATION MATRIX.

ELECTRICAL SYMBOLS LEGEND

RECEPTACLES

- 20A, 120V, 2P, 3W GROUNDING DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE - (1 SWITCHED & 1 UNSWITCHED)
- SINGLE-PLEX RECEPTACLE
- QUADPLEX RECEPTACLE
- GFCI RECEPTACLE
- RECEPTACLE MTD. 6" ABOVE COUNTER OR HGT SHOWN
- TAMPER RESISTANT RECEPTACLE
- WEATHER-PROOF GFCI RECEPTACLE
- QUADPLEX FLOORBOX
- 120V, 15A CLOCK OUTLET

COMMUNICATIONS

- SURFACE MOUNTED RACEWAY WITH DEVICES AS NOTED
- TELEPHONE
- TELEPHONE/DATA
- DATA ONLY
- COMMUNICATION DEVICE MTD. 6" ABOVE COUNTER OR HGT SHOWN
- WAP — WIRELESS ACCESS POINT
- SP — CEILING MOUNTED SPEAKER
- SP — WALL MOUNTED SPEAKER
- VC — SPEAKER VOLUME CONTROL
- TV — TELEVISION OUTLET

POWER

- PANEL BOARD
- DISTRIBUTION PANEL BOARD
- CB — SEPARATE CIRCUIT BREAKER
- UTILITY METER
- DISCONNECT
- FUSED DISCONNECT SWITCH
- EMERGENCY FUSED DISCONNECT SWITCH
- T — TRANSFORMER
- MOTOR STARTER/CONTACTOR
- COMBINATION MOTOR STARTER
- PUSH BUTTON STATION AS NOTED
- J-BOX (WALL MOUNT)
- J-BOX
- FB — FLOOR BOX
- OB — OVERHEAD BOX
- P — PULL BOX, SIZE AS NOTED OR AS REQUIRED BY CODE
- ELECTRICAL EQUIPMENT CONNECTION
- MOTOR CONNECTION
- CEILING FAN
- CABLE TRAY RUN
- HOME RUN TO PANEL BOARD

LIGHTING

- FIXTURE TYPE PER SCHEDULE; A, B, SWITCH LEGS — TROFFER STYLE FIXTURE, TYPE AS NOTED
- FIXTURE ON EMERGENCY POWER
- STRIP LIGHT / SUSPENDED DIRECT/INDIRECT
- SURFACE MTD FIXTURE
- TRACK LIGHTING
- PENDANT/SURFACE MTD UP/DOWN LIGHT
- RECESSED/DOWNLIGHT FIXTURE
- ACCENT FIXTURE
- WALL MOUNTED FIXTURE
- EXIT SIGN (ARROWS INDICATED AS SHOWN) - (SHADING INDICATES # OF FACES)
- CLG MTD EMERGENCY FIXTURE
- EMERGENCY FIXTURE
- COMBO EMERGENCY/EXIT LIGHT - (ARROW INDICATES DIRECTION) - (SHADING INDICATES # OF FACES)
- BOLLARD/SIDEWALK LIGHT
- FLOOD LIGHT
- SINGLE HEAD FIXTURE/POLE
- TWIN HEAD FIXTURE/POLE

SWITCHING

- $ — 20A, 120/277V SPST SWITCH
- $3 — 20A, 120/277V 3-WAY SWITCH
- $4 — 20A, 120/277V 4-WAY SWITCH
- $DM — DIMMER SWITCH
- $K — KEY OPERATED SWITCH
- $MC — MOMENTARY CONTACT SWITCH
- $L — LOW VOLTAGE SWITCH
- $TO — THERMAL OVERLOAD SWITCH
- $P — PILOT LIGHT
- OCC — CEILING MTD OCC. SENSOR
- PC — PHOTOCELL
- SLP — OCCUPANCY SENSOR SLAVE PACK

FIRE ALARM

- MANUAL PULL STATION 46" A.F.F. CENTER
- STROBE ONLY 84" A.F.F. TO CENTER 15CD, 30CD, 75CD, 110CD
- HORN/STROBE 84" A.F.F. TO CENTER 15CD, 30CD, 75CD, 110CD
- INDICATES CEILING MOUNT DEVICE
- SMOKE DETECTOR; ER — INDICATES ELEVATOR RECALL
- HEAT DETECTOR
- DUCT DETECTOR
- FB — FIRE BARRIER CONNECTION
- F — SPRINKLER FLOW SWITCH
- T — TAMPER FLOW SWITCH
- DH — MAGNETIC DOOR HOLD
- MM — MONITOR MODULE
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL

NURSE CALL

- N B — NURSECALL - PATIENT BEDSIDE STATION
- N E — NURSECALL - EMERGENCY STATION W/ PULL CORD
- N C — NURSECALL - CORRIDOR LIGHT
- N DS — NURSECALL - DUTY STATION
- N M — NURSECALL - MAIN CONTROLLER
- N CB — NURSECALL - CODE BLUE

SECURITY

- CCTV — CLOSED CIRCUIT CAMERA (CCC)
- CR — CARD READER
- KP — KEYPAD
- ES — ELECTRIC STRIKE
- EL — ELECTRIC LATCH
- ML — MAGNETIC LOCK
- DE — DELAYED EGRESS (TIED TO INFANT ABDUCTION SYSTEM OR ED LOCK DOWN PUSH BUTTON)
- PS — DOOR SECURITY POWER SUPPLY (CONNECT TO AUTO OPERATOR CIRCUIT)

ELECTRICAL ABBREVIATIONS

AC	ABOVE COUNTERTOP	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISH FLOOR	MCA	MINIMUM CIRCUIT AMPS
AFG	ABOVE FINISH GRADE	MDP	MAIN DISTRIBUTION PANEL
ANNC	ANNUNICIATOR	MTD	MOUNTED
CC	CONTROLS CONTRACTOR	OCC	OCCUPANCY
EC	ELECTRICAL CONTRACTOR	PC	PLUMBING CONTRACTOR
EX	EXISTING	PNL	PANEL
EXR	EXISTING RELOCATED	SPST	SINGLE POLE SINGLE THROW
GC	GENERAL CONTRACTOR	WP	WEATHER PROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPT	20A	20 AMP
IBC	INTERNATIONAL BUILDING CODE	3W	3 WIRE
IG	ISOLATED GROUND	20/1	20 AMP, SINGLE PHASE
HP	HORSEPOWER		
LV	LOW VOLTAGE		

ELECTRICAL SHEET INDEX

E001	ELECTRICAL NOTES, LEGENDS & ABBREVIATIONS
ED100	ELECTRICAL DEMOLITION PLANS
E100	OVERALL PLANS
E101	SITE PLAN
E111	FIRST FLOOR LIGHTING PLAN
E121	FIRST FLOOR POWER & SYSTEMS PLAN
E401	ENLARGED PLANS - KITCHEN

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	MANUFACTURER	SERIES	WATTS	NOTES
A1	2'X2' RECESSED VOLUMETRIC TROFFER, 2400 LUMEN, WHITE HOUSING, SMOOTH FROSTED ACRYLIC LENS, 0-10V 1% DIMMING.	MVOLT	23 W	METALUX	CRUZE ST 22CC2	LED	
A2	2'X2' RECESSED VOLUMETRIC TROFFER, 2900 LUMEN, WHITE HOUSING, SMOOTH FROSTED ACRYLIC LENS, 0-10V 1% DIMMING.	MVOLT	25 W	METALUX	CRUZE ST 22CC2	LED	
A3	2'X2' RECESSED VOLUMETRIC TROFFER, 3900 LUMEN, WHITE HOUSING, SMOOTH FROSTED ACRYLIC LENS, 0-10V 1% DIMMING.	MVOLT	31 W	METALUX	CRUZE ST 22CC2	LED	
B1	2'X4' RECESSED LED FLAT PANEL, 4000 LUMEN, 4000K, 80 CRI, ACT GRID MOUTNING.	MVOLT	29 W	METALUX	24FP LED	LED	
B2	2'X4' RECESSED LED FLAT PANEL, 4700 LUMEN, 4000K, 80 CRI, ACT GRID MOUTNING.	MVOLT	42 W	METALUX	24FP LED	LED	
C	4' LED STRIP, 4000K CCT, 80CRI, FULL FROSTED SQUARE LENS, WIDE DISTRIBUTION, CHAIN MOUNTED, 0-10V DRIVER, 5000 LUMENS, 3 FT SUSPENSION LENGTH.	MVOLT	28 W	METALUX	SNLED	LED	
D	SURFACE MOUNTED UNDERCABINET LIGHT	MVOLT					
F	2' SURFACE MOUNTED VANITY FIXTURE. MOUNT AT 8'-0" AFF. 1600 LUMENS, 4000K, 80 CRI, FULL FROSTED LENS, WIDE DISTRIBUTION, 0-10V DIMMING.	MVOLT	11 W	METALUX	SWLED	LED	

eua

milwaukee — 333 East Chicago Street, Milwaukee, Wisconsin 53202, 414.271.5350

madison — 309 West Johnson Street, Suite 202, Madison, Wisconsin 53703, 608.442.5350

des moines — 699 Walnut Street, Suite 400, Des Moines, Iowa 50309, 515.724.5840

denver — 1899 Wynkoop Street, Suite 300, Denver, Colorado 80202, 303.595.4500

PROJECT INFORMATION

MIDDLETON - CROSS PLAINS AREA SCHOOL DISTRICT - PARK ELEMENTARY RENOVATIONS

1209 Park St. Cross Plains, WI 53528

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER

PROJECT NUMBER 16517-01

ELECTRICAL NOTES, LEGENDS & ABBREVIATIONS

E001

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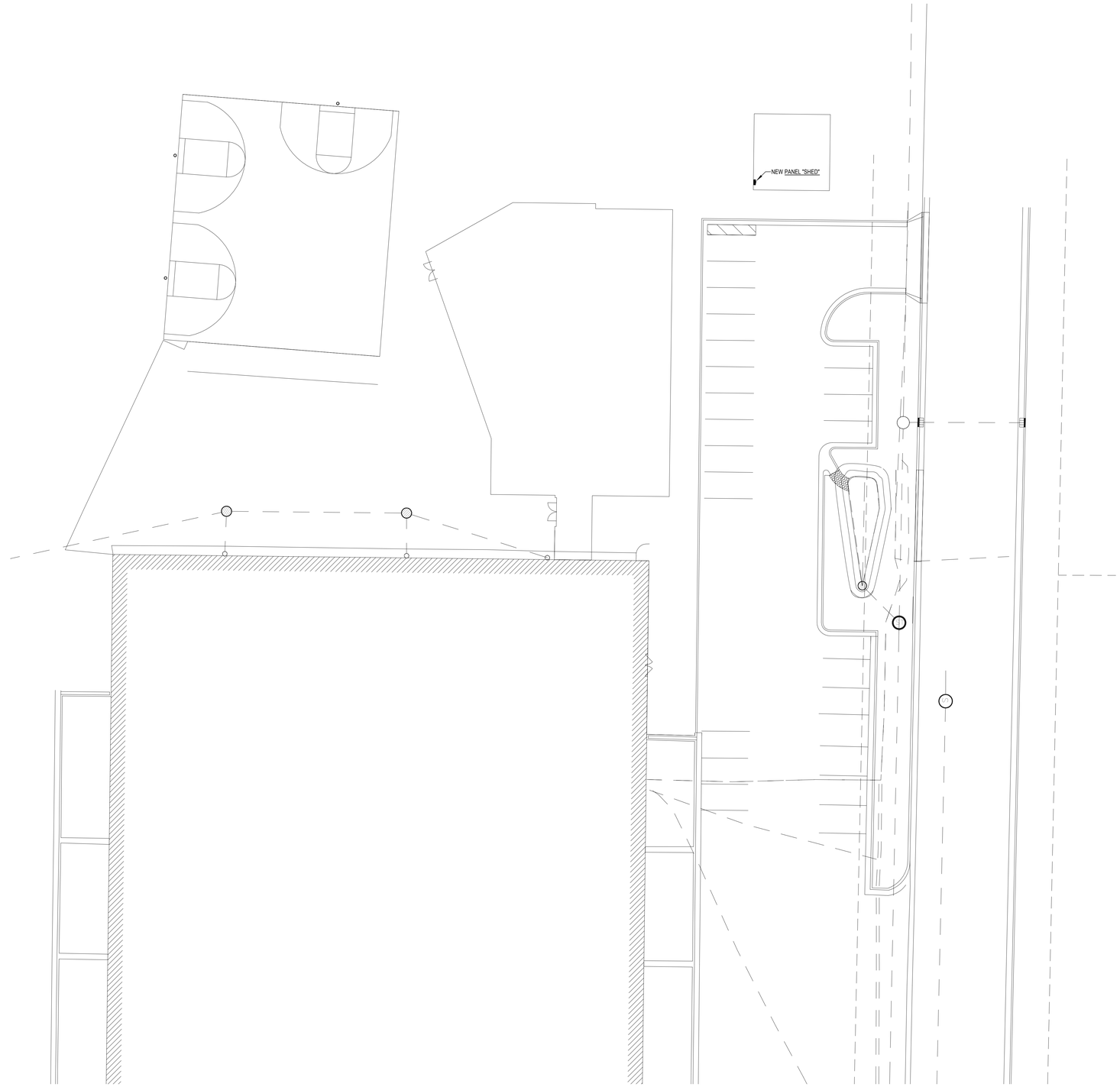


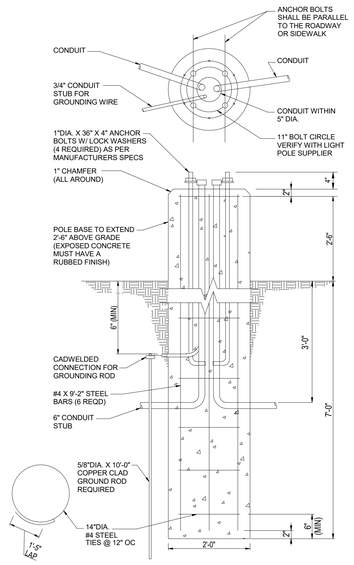
GENERAL NOTES

1. REFER TO E001 FOR GENERAL ELECTRICAL NOTES, SYMBOLS, ABRVIATIONS, AND SCHEDULES

KEYED NOTES

1 -

2 -



1 FIRST FLOOR ELECTRICAL OVERALL - SITE

1/16" = 1'-0"

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PROJECT MANAGER

PROJECT NUMBER 16517-01

SITE PLAN

E101

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Village of Cross Plains

Parks and Recreation Department

Memorandum

To: Board of Trustees
From: Michael Axon, Village of Cross Plains Parks and Recreation Director
Date: March 17, 2020
Re: Agenda Memo

Discussion and possible action regarding Glacial Valley Park playground.

- *Staff recommends Option 3 (Option Green) at a price not to exceed $141,199.00 for the Glacial Valley Park Playground Update.*
    - *Capital Fund: $105,000.00 (Earmarked)*
    - *Parks and Recreation Unrestricted Fund Balance: $36,199.00 (Currently: $168,665.00)*
    - *Grand Total: $141,199.00*

The Village of Cross Plains Parks, Recreation and Conservancy Committee held an "Glacial Valley Park Visioning Session" on Monday, August 19, 2019 asking residents to provide input on new playground equipment slated for Glacial Valley Park. After compiling residents' feedback, a large number of residential requests surrounded Miracle Recreation, a local vendor of playground equipment.

Miracle Recreation offered a national program called, "Sourcewell Pricing", a cooperative government sourcing program that assists public agencies with costs on equipment purchasing, pooling all governmental units together to receive competitive pricing. We requested 3 separate conceptual designs with the following elements to be included:

- Encompass structures for 2-5 and 5-12
- Dinosaur Theme (If Possible)
- Minimum two Mega-towers with bridge connection
- Three-Four (3-4) slides
- Netting/webbing connections
- Generation Swing
- Gravity Rail

Boland Recreation, a Miracle Playground supplier, provided the Village of Cross Plains with three (3) design concepts for potential placement. Staff compiled these concepts and showcased them to the community. Village residents were given the opportunity to vote for their favorite concept by sending an email to maxon@cross-plains.wi.us with their name, address and favorite concept. (Online voting: March 2 – March 12) We added that voting in person at the Parks, Recreation and Conservancy Committee meeting on Monday, March 16, 2020 would also be available.

To date, we've received a total of forty (48) votes for the playground at Glacial Valley Park. These votes consist of:

A. Option Orange: 2
B. Option Purple: 7
C. Option Green: 39

The costs for each option:

A. Option Orange: $114,828.00 (Exhibit A)
B. Option Purple: $122,684.00 (Exhibit B)
C. Option Green: $128,989.00 (Exhibit C)

Other pieces of the puzzle:

D. Mommy and Me Swing: $866.00
E. Border (363 linear feet.): 5364.00
F. Wood fiber: $5980.00 (259 cubic yards)

Staff will be available prior to the meeting to answer any questions you may have. Staff will also be present at the meeting for discussion.

Sincerely,

Michael Axon
Parks and Recreation Director
Village of Cross Plains

Village of Cross Plains

Policy No. 3.02 **Leave Policies**
Issuance Date: **July 22, 2013**
Revision Date: **March 23, 2015; and December 14, 2015**

Amend the following language to:

4. Personal Leave

A. Department Heads may grant an employee's request for Personal Leave when important, non-medical circumstances occur that require an employee to miss work to attend to personal affairs that cannot be rescheduled to non-work hours. Such Personal Leave, not to exceed three (3) days per calendar year, shall be deducted from sick leave. Personal ~~or emergency leave~~ leave ~~-~~may only be authorized if the employee has exhausted his vacation benefits.

B. Each ~~situation~~ request shall be reviewed by the employee's ~~supervisor~~Department Head. If it is determined that the necessary requirements for ~~Emergency/~~Personal Leave have been fulfilled, the ~~supervisor~~ Department Head may authorize the use of up to a maximum of twenty-four (24) working hours for that purpose. The Village Administrator~~/Clerk-Treasurer~~, upon the ~~supervisor's~~ Department Head's recommendation, may extend the ~~Emergency/~~Personal Leave up to forty (40) working hours if circumstances warrant. Any request for Personal Leave over 40 working hours shall be approved by the village Board~~, subject to approval by the Village Board for extensions granted beyond forty (40) working hours.~~

Add the following language:

10. Leave – Emergency Closings

A. Purpose. To provide a plan for employees in the event of an emergency closing due to inclement weather or another emergency situation. As a general practice, the Village of Cross Plains makes every effort to maintain its normal schedule of operations. The Village of Cross Plains may close all or parts of operations only in cases of extreme emergency caused by impassible roads, ~~restricted visibility~~medical emergency, violent weather, energy loss, or other conditions seriously endangering the health and safety of employees and/or the general public.

B. Reporting to Work.

(1) For the purposes of this section, "reporting to work" shall mean the conducting of any official Village business no matter the location.
(2) Each employee accepts the responsibility for reporting to work at the employee's regularly scheduled time, regardless of prevailing weather conditions.
(3) Employees not reporting to work will not be paid, however, such employees may use vacation or personal leave or compensatory time to minimize or avoid a loss of wages as a result of the absence.

C. Responsibility to Close. In the event the Village of Cross Plains is ~~forced~~ required to close or delay opening for business, or the situation is determined to be severe enough or expected to be severe enough to warrant closing down all or any non-essential operations, the decision will be made by the Village Administrator ~~and affirmed Village Board~~.

D. Official Announcements. When the Village Administrator determines that it is necessary to close or delay the opening of ~~various~~ all or any operations, the Village Administrator shall communicate the start and end times of the closing or delay to D~~d~~epartment H~~h~~eads via email and by phone who are, in turn, responsible for notifying their employees. The Village Administrator or his/her designee shall also post the start and end times on the Village's website and on the front door of the Village Hall.

E. Village Closures. In the event that it is necessary to close or delay the opening of ~~various~~ any operations per section C above and any or all non-essential employees are required to not report to work, the closure will be treated as a paid holiday for all employees not reporting for work and eligible for holiday pay.

(1) Essential Personnel. For the purposes of this policy, "essential personnel" include all employees of the Police Department and the Public Facilities Department. The Village Administrator is authorized to designate additional employees as essential personnel based on the circumstances of the emergency situation.

a. Essential Personnel who are required to report to work during a closure will be paid as if they are working on a holiday.

(2) Personnel Who Desire to Leave Early. Non-essential Employees who desire to leave early when operations have not been shut down may do so with the approval of the D~~d~~epartment H~~h~~ead. Employees will only be paid for the time actually worked, but they may use vacation time or compensatory time to minimize or avoid loss of wages as a result of the absence.

(3) Making up lost time. With the approval from the respective D~~d~~epartment H~~h~~ead, employees may make up lost time so long as the make-up time is within the same week as the delayed opening or closure.

Village of Cross Plains

Policy No. 3.02 **Leave Policies**
Issuance Date: **July 22, 2013**
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B. Each request shall be reviewed by the employee's Department Head. If it is determined that the necessary requirements for Personal Leave have been fulfilled, the Department Head may authorize the use of up to a maximum of twenty-four (24) working hours for that purpose. The Village Administrator, upon the Department Head's recommendation, may extend the Personal Leave up to forty (40) working hours if circumstances warrant. Any request for Personal Leave over 40 working hours shall be approved by the village Board

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B. Reporting to Work.

(1) For the purposes of this section, "reporting to work" shall mean the conducting of any official Village business no matter the location.

(2) Each employee accepts the responsibility for reporting to work at the employee's regularly scheduled time, regardless of prevailing weather conditions.
(3) Employees not reporting to work will not be paid, however, such employees may use vacation or personal leave or compensatory time to minimize or avoid a loss of wages as a result of the absence.

C. Responsibility to Close. In the event the Village of Cross Plains is required to close or delay opening for business, or the situation is determined to be severe enough or expected to be severe enough to warrant closing down all or any non-essential operations, the decision will be made by the Village Administrator.

D. Official Announcements. When the Village Administrator determines that it is necessary to close or delay the opening of all or any operations, the Village Administrator shall communicate the start and end times of the closing or delay to Department Heads via email and by phone who are, in turn, responsible for notifying their employees. The Village Administrator or his/her designee shall also post the start and end times on the Village's website and on the front door of the Village Hall.

E. Village Closures. In the event that it is necessary to close or delay the opening of any operations per section C above and any or all non-essential employees are required to not report to work, the closure will be treated as a paid holiday for all employees not reporting for work and eligible for holiday pay.

(1) Essential Personnel. For the purposes of this policy, "essential personnel" include all employees of the Police Department and the Public Facilities Department. The Village Administrator is authorized to designate additional employees as essential personnel based on the circumstances of the emergency situation.

a. Essential Personnel who are required to report to work during a closure will be paid as if they are working on a holiday.

(2) Personnel Who Desire to Leave Early. Non-essential Employees who desire to leave early when operations have not been shut down may do so with the approval of the Department Head. Employees will only be paid for the time actually worked, but they may use vacation time or compensatory time to minimize or avoid loss of wages as a result of the absence.

(3) Making up lost time. With the approval from the respective Department Head, employees may make up lost time so long as the make-up time is within the same week as the delayed opening or closure.