DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [2] **Date: January 3, 2019**

RE: **PRENTICE SCHOOL DISTRICT**
ADDITION AND REMODELING BID PKG 4
1025 TOWN ST
PRENTICE, WI 54556
HSR PROJECT NO. 18022

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated October 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [10] pages, pre-bid attendance, [5] specification sections and [32] 30 x 42 drawings.

CHANGES TO SPECIFICATIONS

1. Pre-bid attendance sheet attached hereto.
2. Section 01 21 00 UNIT PRICES
    a. 1.07, A: This unit price is to cover remediation that may be required at new concrete floors. Refer to Section 09 05 61.
    b. 1.07, B: This unit price may be required at large format floor tile. Flatness requirements for large tile may not be met at either new or existing concrete and leveling compound will be needed to meet those requirements. Refer to Section 09 05 61.
3. Section 01 23 00 ALTERNATES
    a. Alternate Number 4: Change “20 doors” to “18 doors”. 305A-A and 305A-B do not require film.
4. Section 01 70 00 EXECUTION AND CLOSEOUT REQUIREMENTS
    a. Section attached hereto as part of Contract Documents. Includes, but not limited to cutting and patching requirements and responsibility for removing and replacing infrastructure systems to complete remodeling Work.
5. Section 06 10 00 ROUGH CARPENTRY
    a. Delete Article 2.05. No fire treated wood required.

6. Section 08 71 00 DOOR HARDWARE
    a. Group 23: Remove door 223. Group revised as noted below.
    b. 3.04 Hardware Schedule:
        i. Group 2: Delete door 130. Door moves to Group 47 noted below.
        ii. Revise Group 23 as follows:

HARDWARE GROUP 23
EACH PAIR OF DOORS TO HAVE:
DR.160

2 EA CONTINUOUS HINGE	651HD UL 83" US32D	STANLEY
2 EA EXIT DEVICE	99L X 996L-R US26D	VONDUPRIN
1 EA KEYED REMOVABLE MULLION	KR4954 SP28	VONDUPRIN
1 EA MORT CYL	FSIC MORT CY TO MATCH LOCKS	CAL ROYAL
2 EA RIM CYLINDER	FSIC RIM CYL TO MATCH LOCKS	CAL ROYAL
2 EA CLOSER	4040XP H-EDA 689	LCN
2 EA WALL STOP	409 US32D	ROCKWOOD
2 EA SOUND GASKET	F797B19	REESE

        iii. Add Group 47 and 48 as follows:

HARDWARE GROUP 47
EACH SINGLE DOOR TO HAVE:
DR. 130, 226

3 EA BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA PASSAGE LOCK	GN30 626	CAL ROYAL
1 EA KICKPLATE	10 X 2LDW B4E CS US32D	ROCKWOOD
3 EA SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 48
EACH SINGLE DOOR TO HAVE:
DR. 249D

4 EA BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA STOREROOM LOCK	CGN05 626	CAL ROYAL
1 EA CLOSER	4040XP EDA 689	LCN
1 EA KICKPLATE	10 X 2LDW B4E CS US32D	ROCKWOOD
1 EA WALL STOP	409 US32D	ROCKWOOD
1 EA GASKET	F797B17	REESE

7. Section 09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION
    a. 2.01, A: Delete "or synthetic gypsum compound" from sentence. Only cementitious filler allowed.
8. Section 09 65 66 RESILIENT ATHLETIC FLOORING
    a. Section attached hereto as part of Contract Documents for resilient floor RS-1.

CHANGES TO DRAWINGS

9. Sheet A093R2 REMOVAL PLAN 30 x 42 attached hereto
    a. Revisions clouded on Drawing
    b. Unit A west side, center classroom (new Special Ed rooms 224A/224B): Remove paint from floor by shot blasting or other approved method to meet requirements of new carpet adhesive. Patch floor area at east side of room at CMU wall removal with cementitious filler as specified in 09 05 61. Final floor condition shall meet requirements for installation of Luxury Vinyl Tile.
    c. Boys Locker Room: Delete Key Note Removal Finishes number 7. Existing floor is terrazzo to remain. At bench and locker base removal areas patch floor with cementitious filler as specified in 09 05 61.
    d. Boys and Girls Locker Rooms: Salvage 40 vertical lockers (total units based on lockers in clusters with two different sizes) minimum to relocate to Boy's Locker 210 and Girl's Locker 213. Adjust total locker count as required as existing units are in groups of 2 and 5 lockers. Verify final layout and total lockers with A/E and Owner. Lockers shall be stripped and powder coated.
    e. At SW corner of gym delete new opening cut in existing wall.
    f. At west wall of gym, the dashed double doors shall have Removal Note 4. Prep opening for new frame and doors.
    g. At west wall of East Gym 160 the existing door and frame removed will be replaced with new door and frame.

10. Sheet A111R1 FLOOR PLAN – UNIT A & E
    a. Sensory 226:
        i. New Door 226 installed in existing frame. Refer to A600R this addendum.
        ii. New window installed adjacent to Door 226. Refer to A602R this addendum.

11. Sheet A113R1 FLOOR PLAN – UNIT C
    a. Sensory 130: Reverse door swing and add sidelight window to frame. Refer to A600R this addendum for frame elevation.

12. Sheet A114R2 FLOOR PLAN-UNIT D 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. Delete door 223 and new opening at SW corner of East Gym 160.
    c. At west wall of East Gym 160 delete Wall Type B5 infill. Install new door and frame 160 to replace existing door and frame.
    d. Add door 249D.
    e. At Rooms 250 and 251 install 2x framing and plywood underlayment to match floor elevation at adjacent hallway.

13. Sheet A130 ROOF PLAN
    a. 2A130: At the canopy roof, Type C, follow structural details for framing. Refer to 15A515R1 for finish materials.

14. Sheet A512R2 DOOR-WINDOW DETAILS 30 x 42 attached hereto
    a. Revisions clouded on Drawing.

15. Sheet A600R DOOR SCHEDULE 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. Delete Door 223.

c. Delete Doors 305A-A and 305B-A. These doors do not have any glass so do not require film.
d. Add Door 160.
e. Add Door 226.
f. Add Door 249D.

16. Sheet A602R FRAME ELEVATIONS 30 x 42 attached hereto
    a. Revisions clouded on Drawing

17. Sheet ID102 UNIT A FINISH FLOOR PLAN
    a. Locker's 210 and 213 and Toilet's 215 and 216: At full height wet wall tile the full size TLE-2 tile shall start at floor tile. At remaining walls without tile, cut TLE-2 for 6 inch base. Place factory edge up and cut mortar flush with top of tile.

18. Sheet ID103 UNIT B FINISH FLOOR PLAN
    a. Toilet's 229 and 231: Delete TLE-2 base reference. The full size wall tile TLE-2 starts at the floor.

19. Sheet ID104 UNIT C FINISH FLOOR PLAN
    a. Toilet's 103, 106, 107, 128, 131 and 137: At full height wet wall tile, the full size TLE-2 wall tile shall start at floor tile. At remaining walls without tile, cut TLE-2 for 6 inch base. Place factory edge up and cut mortar flush with top of tile.

20. Sheet ID400R ENLARGED FINISH PLANS AND ELEVATIONS 30 x 42 attached hereto
    a. Revisions clouded on Drawing.

21. Sheet ID401R ENLARGED FINISH PLANS AND ELEVATIONS 30 x 42 attached hereto
    a. Revisions clouded on Drawing.

22. Sheet ID600 MASTER COLOR SCHEDULE
    a. Top of wall tile wainscot shall have factory edge with mortar struck flush with top of tile. No trim required.
    b. TT-1 is for floor tile transition to other floor materials. Locations identified on ID floor plans.
    c. TT-2 is located at bottom of wall tile as a cove to floor tile.
    d. TT-3 is located where wall tile stops at wall ends and tile does not cover end of wall. It covers the end of the exposed tile for the height of the tile. Refer to elevations on ID400 and ID401 for locations.

23. Sheet S102R FOUNDATION PLAN – UNIT A AND UNIT D ALTERNATES
    a. Coordinate recess in slabs for Portland cement tile beds in both locker room showers.

PRIOR APPROVALS

1. Section 09 84 00 SOUND ABSORBING WALL AND CEILING UNITS: Sound Seal S-2100 High Impact Acoustical Wall Panels.
2. Section 23 09 93 CONTROLS: 2.01, A; Add: Carrier i-Vu.

END OF DOCUMENT 00 90 00

COMPANY	NAME	PHONE	E-MAIL
HUOTARI CONST.	DENNIS HUOTARI	715-748-4000	dhuotari.hci@tds.net
Prentice Steel Board	Darrell Pierson	715-966-1286	dpierson@packagingcorp.com
MEP Associates	James Weingarten	715 832 5680	James w@mepassociates.com
J.R. Painting	Jesse Rhody	715-922-0076	Jess@JRPainting.US
KBK Services	Chris Kontny	715-682-3002	ckontny@kbkservices.com
KBK Services	Shawn Lund	715-682-3002	slund@kbkservices.com
AtoZ Plumbing "Heating	GARY LAVASSEUR	715-682-8520	gary@atoz@centurytel.net
Blakeman P&H	Scott Blakeman	715-682-6050	scott@blakemanplumbing.com
CENTRAL STATE MECHANICAL INC	SHANE MALUEBBE	715 581-0987	SMALUEBBE@CSMI LLC.NET
Market & Johnson	ERIC STOLP	715 577-2065	estolp@market-johnson.com
Modahl Controls Inc	Brandon Kaiser	715-305-4966	BKaiser@modahlcontrols.com
Comfort Systems	Nate Block	715-305-4180	nblock@comfortsystemswi.com
JW Flooring	John Beach	920-883-5971	beacj1630@gmail.com
Maccos Commercial Interiors	Nate Sielaff	715-218-8561	nate.sielaff@maccos.com
TOTAL ELECTRIC	CARY MESS	715-384-3311	CMESS@TOTALELECTRICINC.COM
Pieper Electric	Alex Hilgart	715-966-2286	alex.hilgart@pieperpower.com
Pieper Electric	MATT STEFANSKI	414-788-4718	matt.STEFANSKI@pieperpower.com
~~T Berndt~~ Van Ert	Todd Berndt	715 573-5267	tberndt@vanert.com
JAKEL Plg Htg & Elect	PAUL JAKEL	715 223 6563	JAHE+TZ NET.COM
Wisconsin Mech Solutions	Jeff Tanner	715-650-3130	jtanner@wimechsolutions.com
Complete Control Inc	Travis Rank	715-572-6496	Travis.rank@complete-control.com
AtoZ Plumbing Htg	Zyg Jablonski	715-682-8520	zygatoz@centurytel.NET

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BID PACKAGE #4 – ADDENDUM #2

Client: HSR Associates Inc.
Project Name: Prentice School District Addition and Remodeling
Project Location: Prentice, WI

Issue Date: January 3, 2019

Owner: Prentice School District
Engineer: MEP Associates, LLC

MEP Project No. H08.18.03

To: Prospective Bidders.

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated November 30, 2018, with amendments and additions noted below. Index of Attachments

P412R1 PLBG PLAN – AG – BID PACK 4 – UNIT B
ED101R1 – ELECTRICAL DEMOLITION PLAN – UNIT A
ED102R2 – ELECTRICAL DEMOLITION PLAN – UNIT B
ED103R2 – ELECTRICAL DEMOLITION PLAN – UNIT D
ED601R2 – ELECTRICAL RISER DIAGRAM – DEMOLITION
E003R1 – ELECTRICAL COVER SHEET
E111R1 – LIGHTING PLAN - UNIT A
E112R1 – LIGHTING PLAN - UNIT B
E113R1 – LIGHTING PLAN - UNIT C
E114R2 – LIGHTING PLAN - UNIT D
E120 – POWER PLAN – OVERALL
E122R2 – POWER PLAN – UNIT B
E123R1 – POWER PLAN – UNIT C
E124R2 – POWER PLAN - UNIT D
E131R1 – SYSTEMS PLAN - UNIT A
E132R2 – SYSTEMS PLAN - UNIT B
E133R1 – SYSTEMS PLAN - UNIT C
E134R2 – SYSTEMS PLAN - UNIT D
E501R1 – ELECTRICAL DETIALS
E503R1 – ELECTRICAL DETIALS
E601R2 – ELECTRICAL RISER DIAGRAM
E701R2 – ELECTRICAL SCHEDULES
E702R2 – ELECTRICAL SCHEDULES
E703R1 – ELECTRICAL SCHEDULES
E704R2 – ELECTRICAL SCHEDULES

engineers | consultants | commissioning
2720 Arbor Court, Eau Claire, WI 54701 | P. 715.832.5680 | F. 715.832.5668
Eau Claire, WI | Madison, WI | Twin Cities, MN | Rochester, MN | Norman, OK | Columbus, OH

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may disqualify Bidder.

CHANGES TO THE SPECIFICATIONS

1) Section 21 05 00 COMMON WORK RESULTS FOR FIRE SUPPRESSION
   a) Revise 1.10(E) to read:

      E. Available water supply data for system design is as follows:

      Test Year: 2014
      Performed By: Village of Prentice
      Witnessed By: N/A

Hydrant Location	Outlet Elevation	Flow GPM	Static PSI	Residual PSI
Corner of Town Street & South Street		890	66	38

   b) Add 1.10(F) to state 'Water test data is preliminary for bidding purposes. Verify and obtain any additional test data required for design. Tests to be representative of high water use periods.'

2) Section 26 28 13 FUSES
   a) Add Section

3) Section 27 51 17 SOUND REINFORCEMENT SYSTEMS
   a) Add section

4) Section 27 51 23.50 EDUCATIONAL INTERCOMMUNICATIONS AND PROGRAM SYSTEMS
   a) Delete section

5) Section 27 53 13 WIRELESS CLOCK SYSTEM
   a) Revise 2.08(H). Delete reference to 120VAC and 24VAC. Clocks shall be battery powered.
   b) Delete 2.08(J)
   c) Delete 2.09(A)
   d) Add 2.09(B) Dual mount Accessory. Provide dual face mounting at corridor locations.
   e) Revise 2.09(B). Delete 12.5" White Remote Antenna. Clocks shall be black rimmed.
   f) Delete 2.10 (A).

6) Section 28 13 00 DOOR ACCESS CONTROL
   a) Replace section in its entirety.

7) Section 28 31 00 FIRE DETECTION AND ALARM
   a) Delete 2.04(A)(1)(b). The new voice fire alarm system will be phased into whole building operation. The new gym is beyond the scope of this project.
   b) Revise 2.04(B)(4). Coordinate Designated Voice announcements with owner.
   c) Delete 2.05(C)(b).
   d) Add 2.05(J) Spare Parts.

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CHANGES TO THE DRAWINGS

Revisions have been made to the following drawings and are issued in the form of full-size 30 x 42 drawings, attached hereto. Edits are indicated by a revision delta and a cloud surrounding the affected portion of the drawing.

8) Sheet P412R1 – PLBG PLAN – AG – BID PACK 4 – UNIT B
   a) Add note to Kitchen-240; 'PC shall remove and reinstall all Plumbing items within kitchen as required for structural reinforcement – coordinate with Structural Contractor'.

9) Sheet ED101R1 – ELECTRICAL DEMOLITION PLAN – UNIT A
   a) Demo existing corridor speakers.
   b) Demo door buzzer at main entry.

10) Sheet ED102R2 – ELECTRICAL DEMOLITION PLAN – UNIT B
   a) Demo existing corridor speakers.

11) Sheet ED103R2 – ELECTRICAL DEMOLITION PLAN – UNIT D
   a) Demo existing corridor speakers.

12) Sheet ED601R2 – ELECTRICAL RISER DIAGRAM - DEMOLITION
   a) Add demolition of existing service entrance metering and conductors.
   b) Add Keyed note #2.

13) Sheet E003R1 – ELECTRICAL COVER SHEET
   a) Add fixture type B4.
   b) Add Microphone outlet symbol

14) Sheet E111R1 – LIGHTING PLAN - UNIT A
   a) Revise switch location in Sensory 226.
   b) Revise lighting fixtures in Sensory 226.
   c) Revise dimmer switch(es) to 3-way dimmer switches in the following rooms: 214,

15) Sheet E112R1 – LIGHTING PLAN - UNIT B
   a) Revise dimmer switch(es) to 3-way dimmer switches in the following rooms: 245,246,

16) Sheet E113R1 – LIGHTING PLAN - UNIT C
   a) Revise switch location in Sensory 130.
   b) Revise lighting fixtures in Sensory 130.
   c) Delete exit lights in rooms 125, 129, 140, 144,

17) Sheet E114R2 – LIGHTING PLAN - UNIT D
   a) Revise dimmer switch(es) to 3-way dimmer switches in 214

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18) Sheet E120 – POWER PLAN – OVERALL
   a) Add sheet for reference to locate existing service entrance and associated service revision work.

19) Sheet E122R2 – POWER PLAN – UNIT B
   a) Add power to Cafeteria Audio Rack

20) Sheet E123R1 – POWER PLAN – UNIT C
   a) Delete receptacles in Sensory 130.

21) Sheet E124R2 – POWER PLAN - UNIT D
   a) Revise plug-mold in Choir/Music 148.
   b) Add power to Audio Racks 148, 149.

22) Sheet E131R1 – SYSTEMS PLAN - UNIT A
   a) Add corridor speakers.
   b) Revise general note #4. Add: Corridor clocks shall be dual sided. Provide clocks in work areas and conference rooms. Increase quantity to 60 clocks
   c) Add fire alarm strobe in short corridor outside toilet 216.

23) Sheet E132R2 – SYSTEMS PLAN - UNIT B
   a) Revise sound system in Cafeteria 239.
   b) Add equipment list.
   c) Revise keyed note #7 to: Not Used.
   d) Add corridor speakers.

24) Sheet E133R1 – SYSTEMS PLAN - UNIT C
   a) Delete communications outlets in Sensory 130.
   b) Add corridor speakers.

25) Sheet E134R2 – SYSTEMS PLAN - UNIT D
   a) Add sound system to Band 149.
   b) Add sound system to Choir/Music 148.
   c) Add equipment list.
   d) Add corridor speakers.

26) Sheet E501R1 – ELECTRICAL DETAILS
   a) Revise Detail 6 to show only on new telecom ground bus.

27) Sheet E503R1 – ELECTRICAL DETAILS
   a) Revise Fire alarm details to remove conduit and show free air cabling.

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28) Sheet E601R2 – ELECTRICAL RISER DIAGRAM
   a) Revise Riser diagram to show 2400A service tapped into (1) 1600A service supplying Existing MDP. And (1) 1000A service supplying the New distribution panel NDP in Hallway electrical room 243.
   b) Revise feeder size to Panel MB to 300N.
   c) Revise feeder size to Panel MA to 700N.
   d) Revise feeder size to Panel K1 to 300N.
   e) Revise feeder size to panel NF to 300N.
   f) Revise feeder size to panel NA to 225N
   g) Revise feeder size to panel NB to 300N
   h) Revise feeder size to panel NC to 250N.
   i) Revise feeder size to ERT-4 to 175.
   j) Revise AIC rating for Panel NDP
   k) Revise AIC rating for Panel MA
   l) Revise keyed note #4.
   m) Add keyed note #5
   n) Add keyed note #6.
   o) Add keyed note #7.
   p) Add keyed note #8.
   q) Revise Panel NDP to 1000A.

29) Sheet E701R2 – ELECTRICAL SCHEDULES
   a) Revise feeder for ERT-3 to match riser diagram
   b) Revise feeder for ERT-4 to match riser diagram.

30) Sheet E702R2 – ELECTRICAL SCHEDULES
   a) Add AIC ratings to new panels

31) Sheet E703R1 – ELECTRICAL SCHEDULES
   a) Added breakers to panel NC
   b) Add AIC ratings to new panels

32) Sheet E704R2 – ELECTRICAL SCHEDULES
   a) Add AIC ratings to new panels

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ACCEPTABLE MANUFACTURERS

The following manufacturers are acceptable provided their product(s) conforms to the general design concept expressed in the contract documents. Acceptance of manufacturers shall not relieve the Contractor from compliance with the requirements of the plans and specifications nor shall it imply approval of the product indicated. Products shall be submitted for Engineer review in accordance with the requirements specified within the corresponding specification section(s).

SECTION	ITEM	MANUFACTURER
26 51 13	Interior lighting Package	See attached
26 51 15	Lighting Control	See attached

END OF ADDENDUM

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Enterprise Lighting Ltd
Manufacturers' Representative

Date: Jan 2, 2019

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
Fax: (262) 953-2710

Job Name
Prentice School District - Addition and Remodeling
ELL18-84057
Prentice WI

Bid Date
Jan 8, 2019

Submittal Date
Jan 2, 2019

Architect:
HSR Associates
100 Milwaukee Street
La Crosse WI 54601

Engineer:
MEP Associates
2720 Arbor Court, Suite A
Eau Claire WI 54701

Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Bonnie Bartlein

Project **Prentice School District - Addition and Remodeling**
Quote# ELL18-84057
Location Prentice WI
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- [x] Drawings
- [ ] Prints
- [ ] Plans
- [ ] Specifications
- [ ] Information
- [ ] Submittals

Other:

THESE ARE TRANSMITTED FOR:

- [ ] Prior Approval
- [x] Approval
- [ ] Approval as Submitted
- [ ] Approval as Noted
- [ ] Resubmittal for Approval
- [ ] Corrections
- [ ] Your Use
- [ ] Review and Comment
- [ ] Record

Bids due on:
Other:

Type	MFG	Part
A	Metalux CZ 2X4 LED LIGHT FIXTURE	24CZ2-50HE-UNV-L840-CD1-U
A2	Metalux CZ 2X4 LED LIGHT FIXTURE	24CZ2-40HE-UNV-L840-CD1-U
A2E	Metalux	24CZ2-40HE-UNV-EL14W-L840-CD1-U
A3	Metalux	24CZ2-40HE-UNV-L940-CD1-U
B	Metalux 24GR-LD5-42-A125-UNV-L840-CD1-U	24GR-LD5-42-A125-UNV-L840-CD1-U
B2	Metalux	24GR-LD5-42-A19/156-UNV-L840-CD1-G3-U
B2E	Metalux	24GR-LD5-42-A9/156-UNV-EL14W-L840-CD1-G3-U
B3	Metalux	24GR-LD5-48-A19/156-UNV-L840-CD1-G3-U
B3E	Metalux	24GR-LD5-48-A19/156-UNV-EL14W-L840-CD1-G3-U
BE	Metalux	24GR-LD5-42-A125-UNV-EL14W-L840-CD1-U
C	Metalux CZ 2X2 LED LIGHT FIXTURE	22CZ2-34HE-UNV-L840-CD1-U
C2	Metalux CZ 2X2 LED LIGHT FIXTURE	22CZ2-24-UNV-L840-CD1-U
C2E	Metalux	22CZ2-24-UNV-EL14W-L840-CD1-U
CE	Metalux	22CZ2-34HE-UNV-EL14W-L840-CD1-U
D	Metalux	14CZ2-35-UNV-L840-CD1-U
EXIT	Surelites	LPX7SD
F	Metalux	22GR-LD5-32-A125-UNV-L840-CD1-U
FE	Metalux	22GR-LD5-32-A125-UNV-EL14W-L840-CD1-U

Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Bonnie Bartlein

Type	MFG	Part
G-8	Axis Lighting Inc.	BMDLED-450-80-40-SO-8-W-UNV-DP-1-CX72
GE-4	Axis Lighting Inc.	BMDLED-450-80-40-SO-4-W-UNV-DP-1-CX72-B(1)
G-GE-8	Axis Lighting Inc.	BMDLED-450-80-40-SO-8-W-UNV-DP-1-CX72-B(1)
	Item Note: B option (4-8)	
G-GE-12	Axis Lighting Inc.	BMDLED-450-80-40-SO-12-W-UNV-DP-1-CX72-B(1)
	Item Note: B option (4-8)	
G-GE-24	Axis Lighting Inc.	BMDLED-450-80-40-SO-S24-W-UNV-DP-1-CX72-B(2)
	Item Note: B option (4-8, 20-24)	
G1-8	Axis Lighting Inc.	BMDLED-600-80-40-SO-8-W-UNV-DP-1-CX72
G1-16	Axis Lighting Inc.	BMDLED-600-80-40-SO-S16-W-UNV-DP-1-CX72
G1/G1E-28	Axis Lighting Inc.	BMDLED-600-80-40-SO-S28-W-UNV-DP-1-CX72-B(3)
	Item Note: B option (0-4, 12-16, 24-28)	
H	Portfolio	LD6B10D010 EU6B10208040 6LBM2H
	HSG LED 6" DWNLT 1000LM 0-10V 1PCT	
H1	Portfolio	LD6B15D010 EU6B10208040 6LBM2H
	HSG LED 6" DWNLT 1500LM 0-10V 1PCT	
H1E	Portfolio	LD6B15D010EM14 EU6B10208040 6LBM2H
	HSG LED 6" DWNLT 1500LM 0-10V 1PCT EM 14	
HE	Portfolio	LD6B10D010EM14 EU6B10208040 6LBM2H
	HSG LED 6" DWNLT 1000LM 0-10V 1PCT EM 14	
J	Portfolio	LD6B10D010 EU6B10208040 6LBM2H LGSKT6IP66
	HSG LED 6" DWNLT 1000LM 0-10V 1PCT	
K1	Amerlux Interior	C3MV-21-LED-WT-TN3-120-NF-309-SN-SOL-HEX
K1-12	Amerlux Interior	XTS412-3
K1-ST	Amerlux Interior	XTS11-3
K2	Electronic Theater Controls	4M19LG-1-T 4MPH 4MCF
K2-12	Amerlux Interior	TEK412-3
K2-ST	Amerlux Interior	TEK11-3
K2-END	Amerlux Interior	TEK41-3
L	Metalux	14GR-LD5-43-A19/156-UNV-L840-CD1-G3-U
R	Metalux	4SNLED-LD5-30SL-LW-UNV-L840-CD1-U AYC-CHAIN/SET-U
SA	McGraw Edison	IST-AF-600-LED-277-T3-BZ-P-CWB

Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Bonnie Bartlein

Type	MFG	Part
SB	McGraw Edison	GPC-AF-01-LED-E1-SL3-BZ-600
		SSA4T16WFC1 317QB404
SC	McGraw Edison	GLEON-AF-04-LED-E1-SL4-BZ-600
		SSA5T20WFN1 317QB405
	Watt Stopper	PW-301-*
	PIR Wall Switch Occupancy Sensor, 120/277V, Ivory	
	Item Note: *EC to determine color	
	Watt Stopper	DSW-301-*
	Dual Tech Wall Switch Occupancy Sensor, 120/277V, Grey	
	Item Note: *EC to determine color	
	Watt Stopper	DT-300
	Dual Tech Occupancy Sensor 24VDC, center mount 360Â°	
	Watt Stopper	DT-200
	Dual Tech Occupancy Sensor24VDC, corner mount, , 40 Khz	
	Watt Stopper	BZ-150
	Power Pack, 120-277V, 50/60Hz,24VDC, 225mA, with Auto-On/Man	
RP	Watt Stopper	LMCP8 115/277-8HD
	LMCP panel with 8-relay maxcapacity with 8 relays installed -	
	Watt Stopper	LENC8S
	LI Enclosure for 8 size Interior Surface	
PC	Watt Stopper	LMPO-200
	Outdoor photcell 0 - 200 footcandles	
	Watt Stopper	LMIO-301
	Analog photocell input module	
	Watt Stopper	LMCT-100-2
	DIGITAL WIRELESS CONFIGURATIONTOOL WITH USB	
	Watt Stopper	LMCI-100
	Digital Computer Interface	
LO	Watt Stopper	LMSW-101-TBD
	Digital Switch, 1-buttonw/ infrared, Color TBD	
	Item Note: *EC to determine color	
	Watt Stopper	LM-MSTP-S4000
	LM-MSTP, 1.5 pr MS/TP dataline4000 spool,MPL-9008-17-WS-4000	
	Enterprise Lighting-Service billings	CONTROLS SERVICES
	Watt Stopper	LMRJ-01
	RJ45 Cables, 6 inches, nonplenum rated Green	
	Watt Stopper	LMRJ-P03
	RJ45 Cables, 3 feet, plenumrated Green	
	Watt Stopper	LMRJ-P10
	RJ45 Cables, 10 feet, plenumrated Green	
	Watt Stopper	LMRJ-P15
	RJ45 Cables, 15 feet, plenumrated Green	
	Watt Stopper	LMRJ-P25
	RJ45 Cables, 25 feet, plenumrated Green	
	Watt Stopper	LMRJ-P35
	RJ45 Cables, 35 Feet, Plenum,Green	
	Watt Stopper	LMRJ-P50
	RJ45 Cables, 50 feet, plenumrated Green	
	Watt Stopper	LMRJ-P75
	RJ45 Cables, 75 Feet, Plenum,Green	
	Watt Stopper	LMRJ-P100
	RJ45 Cables, 100 feet, plenumrated Green	
	Crestron	GLPAC16 SPACEBUILDER

Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Bonnie Bartlein

Type	MFG	Part
	Crestron	TOUCHSCREEN
	Item Note: *EC to determine color	
	Enterprise Lighting-Service billings	CONTROLS SERVICES

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SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Examination, preparation, and general installation procedures.

B. Requirements for alterations work, including selective demolition.

C. Pre-installation meetings.

D. Cutting and patching.

E. Cleaning and protection.

F. Starting of systems and equipment.

G. Demonstration and instruction of Owner personnel.

1.02 RELATED REQUIREMENTS

A. Section 01 10 00 - Summary: Limitations on working in existing building; continued occupancy; work sequence; identification of salvaged and relocated materials.

B. Section 01 30 00 - Administrative Requirements: Submittals procedures, Electronic document submittal service.

C. Section 01 40 00 - Quality Requirements: Testing and inspection procedures.

D. Section 01 50 00 - Temporary Facilities and Controls: Temporary exterior enclosures.

E. Section 01 50 00 - Temporary Facilities and Controls: Temporary interior partitions.

F. Section 01 78 00 - Closeout Submittals: Project record documents, operation and maintenance data, warranties, and bonds.

G. Section 07 84 00 - Firestopping.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Cutting and Patching Beyond Work Identified on Plans: Submit written request in advance of cutting or alteration which affects:
   1. Structural integrity of any element of Project.
   2. Integrity of weather exposed or moisture resistant element.
   3. Efficiency, maintenance, or safety of any operational element.
   4. Visual qualities of sight exposed elements.
   5. Work of Owner or separate Contractor.
   6. Include in request:
      a. Identification of Project.
      b. Location and description of affected work.
      c. Necessity for cutting or alteration.
      d. Description of proposed work and products to be used.
      e. Alternatives to cutting and patching.
      f. Effect on work of Owner or separate Contractor.
      g. Written permission of affected separate Contractor.
      h. Date and time work will be executed.

C. Project Record Documents: Accurately record actual locations of capped and active utilities.

1.04 REQUIREMENTS OF REGULATORY AGENCIES

A. Comply with National Electric Code for temporary power.

B. Comply with Federal, State and local codes and regulations, and with utility company requirements.

1.05 PROJECT CONDITIONS

A. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.

B. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into atmosphere and over adjacent property.

1.06 CONTRACT LIMITS AND PROTECTION OF EXISTING CONDITIONS

A. All work shall be confined within the Contract limits indicated on the Project Drawings. Do not infringe upon other areas without the permission of the AE. If not indicated otherwise, consider the property lines to be the Contract limits.

B. Existing property, buildings, walks, curbs, trees, shrubs, lawns, boulevards, and the Work of other Contractors, which are damaged or disturbed outside the Contract limits shall be restored to original condition or better. Contractor shall be responsible for the damage or disturbance and shall restore disturbed lawn areas with sod and replace damaged trees and shrubs.

1.07 COORDINATION

A. See Section 01 10 00 for occupancy-related requirements.

B. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.

C. Notify affected utility companies and comply with their requirements.

D. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.

E. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.

F. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.

G. Coordinate completion and clean-up of work of separate sections.

PART 2 PRODUCTS

2.01 PATCHING MATERIALS

A. New Materials: As specified in product sections; match existing products and work for patching and extending work.

B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard.

C. Product Substitution: For any proposed change in materials, submit request for substitution described in Section 01 60 00 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.

B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.

C. Examine and verify specific conditions described in individual specification sections.

D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.

E. Verify that utility services are available, of the correct characteristics, and in the correct locations.

F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

A. Clean substrate surfaces prior to applying next material or substance.

B. Seal cracks or openings of substrate prior to applying next material or substance.

C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 PREINSTALLATION MEETINGS

A. When required in individual specification sections, convene a preinstallation meeting at the site prior to commencing work of the section.

B. Require attendance of parties directly affecting, or affected by, work of the specific section.

C. Notify Architect four days in advance of meeting date.

D. Prepare agenda and preside at meeting:
   1. Review conditions of examination, preparation and installation procedures.
   2. Review coordination with related work.

E. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.04 GENERAL INSTALLATION REQUIREMENTS

A. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.

B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.

C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.

D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.

E. Make neat transitions between different surfaces, maintaining texture and appearance.

3.05 ALTERATIONS

A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.
   1. Verify that construction and utility arrangements are as indicated.
   2. Report discrepancies to Architect before disturbing existing installation.
   3. Beginning of alterations work constitutes acceptance of existing conditions.

B. Keep areas in which alterations are being conducted separated from other areas that are still occupied.
   1. Provide, erect, and maintain temporary dustproof partitions of construction specified in Section 01 50 00 .

C. Maintain weatherproof exterior building enclosure except for interruptions required for replacement or modifications; take care to prevent water and humidity damage.
   1. Where openings in exterior enclosure exist, provide construction to make exterior enclosure weatherproof.
   2. Insulate existing ducts or pipes that are exposed to outdoor ambient temperatures by alterations work.

D. Remove existing work as indicated and as required to accomplish new work.
   1. Remove rotted wood, corroded metals, and deteriorated masonry and concrete; replace with new construction specified.
   2. Remove items indicated on drawings.
   3. Relocate items indicated on drawings.
   4. Where new surface finishes are to be applied to existing work, perform removals, patch, and prepare existing surfaces as required to receive new finish; remove existing finish if necessary for successful application of new finish.

5. Where new surface finishes are not specified or indicated, patch holes and damaged surfaces to match adjacent finished surfaces as closely as possible.

E. Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications): Remove, relocate, and extend existing systems to accommodate new construction.
   1. Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components; if necessary, modify installation to allow access or provide access panel.
   2. Where existing systems or equipment are not active and Contract Documents require reactivation, put back into operational condition; repair supply, distribution, and equipment as required.
   3. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
      a. Disable existing systems only to make switchovers and connections; minimize duration of outages.
      b. See Section 01 10 00 for other limitations on outages and required notifications.
      c. Provide temporary connections as required to maintain existing systems in service.
   4. Verify that abandoned services serve only abandoned facilities.
   5. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification; patch holes left by removal using materials specified for new construction.

F. Protect existing work to remain.
   1. Prevent movement of structure; provide shoring and bracing if necessary.
   2. Perform cutting to accomplish removals neatly and as specified for cutting new work.
   3. Repair adjacent construction and finishes damaged during removal work.

G. Adapt existing work to fit new work: Make as neat and smooth transition as possible.
   1. When existing finished surfaces are cut so that a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division and make recommendation to Architect.
   2. Where removal of partitions or walls results in adjacent spaces becoming one, rework floors, walls, and ceilings to a smooth plane without breaks, steps, or bulkheads.
   3. Where a change of plane of 1/4 inch or more occurs in existing work, submit recommendation for providing a smooth transition for Architect review and request instructions.

H. Patching: Where the existing surface is not indicated to be refinished, patch to match the surface finish that existed prior to cutting. Where the surface is indicated to be refinished, patch so that the substrate is ready for the new finish.

I. Refinish existing surfaces as indicated:
   1. Where rooms or spaces are indicated to be refinished, refinish all visible existing surfaces to remain to the specified condition for each material, with a neat transition to adjacent finishes.
   2. If mechanical or electrical work is exposed accidentally during the work, re-cover and refinish to match.

J. Clean existing systems and equipment.

K. Remove demolition debris and abandoned items from alterations areas and dispose of off-site; do not burn or bury.

L. Do not begin new construction in alterations areas before demolition is complete.

M. Comply with all other applicable requirements of this section.

3.06 CUTTING AND PATCHING

A. Whenever possible, execute the work by methods that avoid cutting or patching.

B. See Alterations article above for additional requirements.

C. Perform whatever cutting and patching is necessary to:
   1. Complete the work.
   2. Fit products together to integrate with other work.
   3. Provide openings for penetration of mechanical, electrical, and other services.

4. Match work that has been cut to adjacent work.
5. Repair areas adjacent to cuts to required condition.
6. Repair new work damaged by subsequent work.
7. Remove samples of installed work for testing when requested.
8. Remove and replace defective and non-complying work.

D. Unless noted otherwise, each major subcontractor shall be responsible for all cutting and patching of the existing structure and appurtenances to complete that subcontractors Work for this Project.

E. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to original condition.

F. General Contractor is responsible to verify warranty requirements at areas of alteration and to make certain that required certified installers are employed for repairs to maintain said warranty.

G. Employ skilled and experienced installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.

H. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.

I. Restore work with new products in accordance with requirements of Contract Documents.

J. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.

K. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated material in accordance with Section 07 84 00, to full thickness of the penetrated element.

L. Patching:
1. Finish patched surfaces to match finish that existed prior to patching. On continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.
2. Match color, texture, and appearance.
3. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish.
4. At patches/repairs in rated walls verify required UL fire rating design to confirm integrity of fire rating at completion of repair.

3.07 PROGRESS CLEANING

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition. Accomplish rubbish removal weekly and additionally as directed by the AE. Keep interior of building free of unattended combustible rubbish at all times.

B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and trash/rubbish from site weekly and dispose off-site; do not burn or bury.

E. Remove all tools, equipment, scaffolding and temporary facilities immediately when no longer required for execution of the Work.

F. As used herein, the term "premises" shall include all areas within and outside the construction limits which have been soiled, littered or disturbed in any manner by the Work of the Project.

3.08 PROTECTION OF INSTALLED WORK

A. Protect installed work from damage by construction operations.

B. Provide special protection where specified in individual specification sections.

C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.

D. Protect installed work from damage by construction operations. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.

E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
   1. The General Contractor shall assume responsibility for the floors being in like new condition upon completion of the Project.
   2. Exercise care to prevent damage to exposed, finished concrete floor surfaces during the course of construction of the Project. Remove all spills or smears immediately and sweep floors frequently.
   3. Instruct all workmen and deliverymen to exercise caution against accidental damage to the floors by actions such as dropping heavy objects like tools and products, or scratching by sliding objects, or scoring by vibration from metal legs of stand mounted power tools, or permanent discoloration from oil dripping from pipe thread cutting machine, or the like.
   4. Avoid using areas with exposed concrete floors as workshops or in any other way which would damage the finished floors. When rooms or areas must be so used, cover floor with 5/8 inch thick plywood panels fastened together and underlain with 10 mil minimum plastic taped in place.
   5. Allowable Carpet Protection:
      a. Pedestrian Traffic: Polyethylene protective film, industrial duty, temporary protection, plastic carpet film with a pressure sensitive water-based self adhesive system allowing clean release for easy removal without adhesive transfer. Any other protection system shall be approved by A/E.
      b. Equipment Traffic (wheelbarrows, carts etc.): Plywood or similar board protection over 10 mil minimum plastic taped in place over floor finish.
   6. Allowable Resilient and Hard Surface Floor Protection:
      a. Plywood sheets over polyethylene, resin paper or tarp taped in place.

F. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.

G. Prohibit traffic from landscaped areas.

H. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.

3.09 SYSTEM STARTUP

A. Coordinate schedule for start-up of various equipment and systems.

B. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions that may cause damage.

C. Verify tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.

D. Verify that wiring and support components for equipment are complete and tested.

E. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions.

F. Submit a written report that equipment or system has been properly installed and is functioning correctly.

3.10 DEMONSTRATION AND INSTRUCTION

A. Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, maintenance, and shutdown of each item of equipment at scheduled time, at equipment location.

B. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.

C. Provide a qualified person who is knowledgeable about the Project to perform demonstration and instruction of owner personnel.

3.11 ADJUSTING

A. Adjust operating products and equipment to ensure smooth and unhindered operation.

B. Testing, adjusting, and balancing HVAC systems: See Section 23 05 93 - Testing, Adjusting, and Balancing for HVAC.

END OF SECTION

SECTION 09 65 66
RESILIENT ATHLETIC FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Recycled rubber sheet flooring, adhesively installed. (RS-1 as scheduled in Master Color Schedule)

B. Accessories.

1.02 RELATED REQUIREMENTS

A. Section 03 30 00 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.

B. Section 09 05 61 - Common Work Results for Flooring Preparation: Independent agency testing of concrete slabs, removal of existing floor coverings, cleaning, and preparation.

C. Section 09 65 00 - Resilient Flooring: Vinyl wall base.

1.03 REFERENCE STANDARDS

A. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers--Tension; 2006a (Reapproved 2015a).

1.04 SUBMITTALS

A. Product Data: Manufacturer's printed data sheets for products specified.

B. Shop Drawings: Fabrication and installation details, and layout, colors, and widths of game lines and equipment locations.

C. Selection Samples: Manufacturer's color charts for flooring materials specified, indicating full range of colors and textures available.

D. Verification Samples: Actual flooring material specified, not less than 12 inch square, mounted on solid backing.

1.05 QUALITY ASSURANCE

A. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.

B. Manufacturer’s Qualifications: Manufacturer capable of providing field service representation during construction and approving application method.

1.06 PREINSTALLATION MEETING

A. Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer’s instructions and manufacturer’s warranty requirements.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to project site in unopened containers clearly labeled with manufacturer's name and identification of contents.

B. Store materials in dry and clean location until needed for installation. During installation, handle in a manner that will prevent marring and soiling of finished surfaces.

1.08 FIELD CONDITIONS

A. Maintain temperature in spaces to receive adhesively installed resilient flooring within range of 70-95 degrees F for not less than 48 hours before the beginning of installation and for not less than 48 hours after installation has been completed. Subsequently, do not allow temperature in installed spaces to drop below 50 degrees F or to go above 100 degrees F.

PART 2 PRODUCTS

2.01 PREFORMED ATHLETIC FLOORING

A. Rubber Sheet Flooring: Recycled rubber tires and colored EPDM granules with urethane binder, in lengths to avoid transverse seams.
   1. Thickness: Minimum 5/16 inch. (8mm)
   2. Sheet Width: Minimum 48 inches.
   3. Roll Length: 70 feet to eliminate end seams. Confirm final length requirements.
   4. Tensile Strength: Minimum 200 psi, per ASTM D412.
   5. Color: Ecore International; EL 101 Viking.

6. Manufacturers:
   a. Ecore International: Everlast Basic Rolls. www.ecoreathletic.com.
   b. Other products by prior approval.

2.02 ACCESSORIES

A. Adhesive: One part moisture cure urethane as recommended by manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine substrates for conditions detrimental to installation of athletic flooring. Proceed with installation only after unsatisfactory conditions have been corrected.

B. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of athletic flooring to substrate.

C. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for resilient flooring installation by testing for moisture and pH.
   1. Test in accordance with Section 09 05 61.
   2. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

3.02 PREPARATION

A. Prepare floor substrates for installation of flooring in accordance with Section 09 05 61.

3.03 INSTALLATION

A. Starting installation constitutes acceptance of sub-floor conditions.

B. Comply with manufacturer's recommendations.

C. Resilient Sheet Flooring:
   1. Unroll flooring and allow to relax at least overnight before beginning installation.
   2. Follow manufacturer's installation instructions in regards to setting rolls to assure tight seams and process of applying adhesive.
   3. Mix adhesive thoroughly and apply to substrate with notched trowel. Take care not to spread more adhesive than can be covered with flooring within 30 minutes.
   4. Lay flooring into adhesive. Do not allow flooring to “flop” into place as this may cause air bubbles to occur. Immediately roll entire flooring surface with steel roller of weight recommended by manufacturer, to assure adhesion to substrate and eliminate air bubbles.
   5. Immediately remove any adhesive from flooring surface, using chemical recommended by flooring manufacturer.

3.04 PROTECTION

A. Remove all excess and waste material and leave installation in neat and clean condition.

B. Protect finished athletic flooring from construction traffic to ensure that it is without damage upon Date of Substantial Completion.

END OF SECTION

SECTION 26 28 13

FUSES

PART 1 GENERAL

1.1 SCOPE

A . The work under this section includes 250 volt fuses. Included are the following topics:
1. PART 1 – GENERAL.
   a. Scope.
   b. Related Work.
   c. Submittals.
   d. Regulatory Requirements.
   e. Extra Materials.
2. PART 2 – PRODUCTS.
   a. Manufacturers.
   b. 250 Volt Fuses.
3. PART 3 – EXECUTION.
   a. Installation.

1.2 RELATED WORK

A . Applicable provisions of Division 1 govern work under this Section.

1.3 SUBMITTALS

A . Refer to Section 01 30 00 - Administrative Requirements, for submittal procedures.

B . Provide device dimensions, nameplate nomenclature, and electrical ratings.

C . Submit manufacturer’s product data sheets with installation instructions.

1.4 REGULATORY REQUIREMENTS

A . Listed by Underwriter's Laboratories, Inc., and suitable for specific application.

1.5 EXTRA MATERIALS

A . Provide three (3) spares of each size and type fuse.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A . Cooper Bussmann: www.cooperbussmann.com.

B . Ferraz Shawmut / Mersen: www.ferrazshawmut.com.

C . Littelfuse: www.littelfuse.com.

D . Substitutions: Refer to Section 01 60 00 - Product Requirements.

2.2 250 VOLT FUSES

A . Fuses 600 Amperes and Less: Dual element, time delay, 250 volt, UL Class RK 5. Interrupting Rating: 200,000 rms amperes.

PART 3 EXECUTION

3.1 INSTALLATION

A . Fuses shall not be installed until equipment is ready to be energized.

B . Install spare fuse storage enclosure in Electrical Room.

END OF SECTION

SECTION 27 51 17
PUBLIC ADDRESS & SOUND REINFORCEMENT SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. DSP mixer / processor / controller.

B. Amplifier and control equipment

C. Recording and playback equipment

D. Speakers.

E. Input equipment.

F. Sound system cable.

1.02 SCOPE OF WORK / BASIS OF DESIGN

A. System Basis of Design for the sound reinforcement systems for this project is as follows: Other systems will be considered only if contractor can demonstrate that all operations and capabilities can be completely met by the proposed system.

B. Existing corridor speakers in the work area shall be replaced as shown on plans. New speakers shall be re-connected into the existing paging system (Valcom 2006A). New addition corridors shall have speakers installed and connected to the existing paging system. Existing paging system shall be evaluated by provider for capacity and additional amplifier(s) and channels will be added as needed. For bidding purposes, assume existing system has adequate capacity.

C. The paging speakers shall be 2'x2' ceiling grid style Quam speakers for the offices and hallways.

D. The commons system shall have 2 mic inputs. 2 Radial aux inputs shall be included for music playback. It shall also have a wireless handheld microphone system and touchscreen controller. Speakers are ceiling mount in the lower area and surface mount in the higher area – see plans for layout. Amplifiers, mixer and playback equipment housed in a wall mounted half-rack in the nearby IT storage room.

E. The band / choir systems shall each have 3 mic inputs; 1 ceiling mounted 2 Radial aux inputs. Each shall also have a wireless handheld and 2 QSC surface mount speakers for stereo sound reproduction. System will also include recording equipment for in room playback. Amplifiers, mixer, recording and playback equipment will be housed in wall mounted half-racks in each room.

1.03 RELATED REQUIREMENTS

A. Section 26 05 26 - Grounding and Bonding for Electrical Systems.

B. Section 26 05 33 - Raceway and Boxes for Electrical Systems.

1.04 REFERENCE STANDARDS

A. NFPA 70 - National Electrical Code; National Fire Protection Association.

1.05 SYSTEM DESCRIPTION

A. Individual room sound systems for voice and music.

B. Extension of existing paging into new addition.

C. Replacement and reconnection of corridor speakers in existing work area.

D. Input components:
   1. Compact disc player.
   2. Microphones and microphone jacks
   3. MP3 Player.

E. Features:
   1. Touch panel control in commons

2. Individual room sound systems (commons / band / choir) Record and playback sound in choir and band rooms

1.06 SUBMITTALS

A. See Division 1 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Indicate electrical characteristics and connection requirements. Indicate layout of equipment mounted in racks and cabinets, component interconnecting wiring, and wiring diagrams of field wiring to speakers and remote input devices.

C. Product Data: Provide data showing electrical characteristics and connection requirements for each component.

D. Test Reports: Indicate satisfactory completion of each test recommended by the manufacturer.

E. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and starting of product.

F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

G. Manufacturer's Field Reports: Indicate that installation is complete and system performs according to specified requirements.

H. Project Record Documents: Record actual locations of speakers, control equipment, and outlets for input/output connectors.

I. Operation Data: Include instructions for adjusting, operating, and extending the system.

J. Maintenance Data: Include repair procedures and spare parts documentation.

1.07 QUALITY ASSURANCE

A. Conform to requirements of NFPA 70 and Federal Communications Commission.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience with service facilities within 100 miles of Project.

C. Supplier Qualifications: Authorized and certified distributor of specified manufacturer with minimum five years documented experience.

D. Installer Qualifications: Authorized and certified installer of specified manufacturer with service facilities within 150 miles of Project

E. Products: Furnish products listed and classified by Underwriters Laboratories, Inc. as suitable for purpose specified and indicated.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. See equipment list at the end of Part 2 of this specification.

B. Substitutions: See Division 1: Product Requirements.

2.02 INPUT, AMPLIFICATION, AND CONTROL EQUIPMENT

A. Corridor Paging Speakers:

QUAM-SYSTEM 12 Speaker w/24" x 24" Grille, 8", 5oz Mag, 25/70V

B. Commons Headend and Speakers

1. Sennheiser-EW 100 G4-835-S-A Wireless vocal set. w/SKM 100G4-S handheld microphone.
2. Sennheiser-EW100G4ME2 Wireless lavalier set w/ME2 Lapel
3. QSC-CORE 110F Mixer/Processorw/24I/O and Lan Connection
4. QSC-SL-QSE-110-P Q-SYS Core 110 Scripting Engine Software License
5. QSC-SL-QUD-110-P Q-SYS Core 110 UCI Deployment Software License
6. Luxul-AMS-1208P Network switch 12 Port w/8 PoE (QLan Approved)

7. QSC-TSC-80W-G2-BK 8” touch Screen Controller for Q-Sys, Wall Mount
8. LabGruppen-E 8:2 Amplifier 2 Channel 400 Watt/channel
9. Denon-DN-500CB CD/USB/1/8” Aux//Bluetooth w/RS232
10. MidAtlan-RLNK-915R IP Controlled Power Conditioner 9 Outlet 15 Amp
11. Lowell-LWR-2423 Rack-Sectional Wall Mount -24U, 23in Deep, 1pr rails
12. Lowell-LFD-24FV Door-Fully Vented Front-24U, Locking, Black
13. Tannoy-CMS 603DC BM Ceiling Speaker, 6” Driver, Dual Concentric
14. QSC-AD-S6T-BK Surface Speaker 6.5" Driver, Black 70V
15. ProCo-WP1069 Wall Plate 1-gang w/1 female XLR Flat
16. Radial-SB5W Direct Box w/Volume Control, Dual RCA & 3.5mm inputs

C. Music/Choir Room Headend and Speakers
1. Sennheiser-EW 100 G4-835-S-A Wireless vocal set. w/SKM 100G4-S handheld microphone.
2. Sennheiser-EW100G4ME2 Wireless lavalier set w/ME2 Lapel
3. Denon-DN-312X Mic / Line Mixer 12 Channel (6 Mic, 3 Stereo) w/ Priority
4. LabGruppen-IDP 2400 Amplifier 2 Channel 1200 Watt @ 4 ohm, w/DSP
5. Furman-CN-1800S Power Conditioner/Sequencer w/8 Outlet, 15 Amp
6. MidAtlan-TD3 Rack Drawer 3RU (5-1/4”). Black
7. Lowell-USVC-215 Rack vented Utility shelf – 2U, 15in D, Clamping
8. Lowell-LWR-2423 Rack-Sectional Wall Mount -24U, 23in Deep, 1pr rails
9. Lowell-LFD-24FV Door-Fully Vented Front-24U, Locking, Black
10. Denon-DN-500CB CD/USB/1/8” Aux//Bluetooth w/RS232
11. Denon-DN-700R Network SD/USB Recorder
12. SanDisk 64GB compatible memory card
13. Audio Technica-AT8022 X/Y Stereo microphone
14. ProCo-WP1069 Wall Plate 1-gang w/1 female XLR Flat
15. Radial-SB5W Direct Box w/Volume Control, Dual RCA & 3.5mm inputs
16. JBL-AM5212/95-WH Medium power 2-way loudspeaker with 1x12” LF
17. JBL-MTU-3-WH U-Bracket for Models AM7212 and 5212
18. ProCo-WP1009 Wall Plate 1-gang w/1NL4MP Speakon

D. Band Room Headend and Speakers
1. Sennheiser-EW 100 G4-835-S-A Wireless vocal set. w/SKM 100G4-S handheld microphone.
2. Sennheiser-EW100G4ME2 Wireless lavalier set w/ME2 Lapel
3. Denon-DN-312X Mic / Line Mixer 12 Channel (6 Mic, 3 Stereo) w/ Priority
4. LabGruppen-IDP 2400 Amplifier 2 Channel 1200 Watt @ 4 ohm, w/DSP
5. Furman-CN-1800S Power Conditioner/Sequencer w/8 Outlet, 15 Amp
6. MidAtlan-TD3 Rack Drawer 3RU (5-1/4”). Black
7. Lowell-USVC-215 Rack vented Utility shelf – 2U, 15in D, Clamping
8. Lowell-LWR-2423 Rack-Sectional Wall Mount -24U, 23in Deep, 1pr rails
9. Lowell-LFD-24FV Door-Fully Vented Front-24U, Locking, Black
10. Denon-DN-500CB CD/USB/1/8” Aux//Bluetooth w/RS232
11. Denon-DN-700R Network SD/USB Recorder
12. SanDisk 64GB compatible memory card
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14. ProCo-WP1069 Wall Plate 1-gang w/1 female XLR Flat
15. Radial-SB5W Direct Box w/Volume Control, Dual RCA & 3.5mm inputs
16. JBL-AM5212/95-WH Medium power 2-way loudspeaker with 1x12” LF
17. JBL-MTU-3-WH U-Bracket for Models AM7212 and 5212
18. ProCo-WP1009 Wall Plate 1-gang w/1NL4MP Speakon

2.03 WIRING AND INPUT – SIGNAL AND COMMUNICATIONS

A. Contractor shall select appropriate cable and quantities for each connection.
   1. West Penn X454 Wire 22ga 2cond. Shld, Mic Wire
   2. West Penn-227GY1000 Wire 12ga 2cond. Unshld
   3. West Penn-25224BGY1000 Wire 18ga 2cond. Unshld
   4. Cat 6 Cabling Refer to section 27 10 00.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. **Contractor shall provide new paging system speakers in corridors throughout the work area. Connect new speakers to elisting Valcom V-2006A.**

C. Mounting Heights: Coordinate locations of outlet boxes specified in Section 26 05 33 to obtain mounting heights specified and / or indicated.
   1. Volume Pad Outlets: 44 inches above finished floor.
   2. Microphone Outlets: 18 inches feet above finished floor.
   3. Direct Box Outlets with volume control: 44 inches above finished floor.

D. Splice cable only in accessible junction boxes or at terminal block units.

E. Make cable shields continuous at splices and connect speaker circuit shield to equipment ground only at amplifier.

F. Install input circuits in separate cables and raceways from output circuits.

G. Leave 18 inches excess cable at each termination at microphone, volume pad, speaker, and other system outlet.

H. Leave 6 feet excess cable at each termination at system cabinet

I. Provide protection for exposed cables where subject to damage.

J. Support cables above accessible ceilings to keep them from resting on ceiling tiles. Use spring metal clips or plastic cable ties to support cables from structure for ceiling suspension system. Include bridle rings or drive rings.

K. Use suitable cable fittings and connectors.

L. Connect reproducers to amplifier with matching transformers.

M. Install equipment racks in location shown; arrange to provide adequate ventilation and access.

N. Ground and bond equipment and circuits in accordance with Section 26 05 26.

3.02 FIELD QUALITY CONTROL

A. Provide the services of manufacturer's technical representative to prepare and start system.
   1. Include making of final wiring connections, inspection and adjusting of completed installation, and systems demonstration.
   2. Certify that installation is complete and performs according to specified requirements.

B. Perform field inspection and testing in accordance with Division 1.

C. Measure and record sound power levels at designated locations.

3.03 ADJUSTING

A. Adjust transformer taps for appropriate sound level.

B. Adjust devices and wall plates to be flush and level.

3.04 CLOSEOUT ACTIVITIES

A. See Division 1 - Demonstration and Training, for additional requirements.

B. Demonstration: Demonstrate operation of system to Owner's personnel.

1. Use operation and maintenance data as reference during demonstration.
2. Conduct walking tour of project.
3. Briefly describe function, operation, and maintenance of each component.

C. Training: Train Owner's personnel on operation and maintenance of system.
1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
2. Provide minimum of 4 hours of training. This training shall be provided in 2 separate 2 hour sessions or as requested by the Owner.
3. Instructor: Manufacturer's training personnel.
4. Location: At project site.

3.05 MAINTENANCE

A. Provide a separate maintenance contract for specified maintenance service at end of project.

B. Provide service and maintenance of public address and music systems for one year from Date of Substantial Completion.

END OF SECTION

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SECTION 28 13 00

DOOR ACCESS CONTROL

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A . Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A . This Section specifies a Door Access control system including the following components:
1. Door Access Control Unit.
2. Door Access Control Unit Power Supply.
3. Control Program.
4. Proximity Cards.
5. Card Readers.
6. Door Position Switches.
7. Magnetic Locks, Electric Strikes, and Controls.
8. System Wire and Cable.

B . Related Sections:
1. Section 08 71 00 - Door Hardware.

1.3 SYSTEM DESCRIPTION

A . System shall perform the following functions:
1. Provide access control to selected exterior doors.
2. Provide access control to selected interior rooms.
3. Provide interconnection to power door operators.
4. Provide emergency overrides for doors with magnetic locks within egress paths.
5. Provide emergency overrides for doors with magnetic hold opens.
6. Provide 50 proximity cards.
7. Control program for Owner supplied PC.
8. Wire and cable.
9. Initial system programming per Owner’s requirements.

1.4 SUBMITTALS

A . Refer to Section 01 30 00 - Administrative Requirements, for submittal procedures.

B . Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes (including available colors) for each product indicated and describe features and operating sequences, both automatic and manual, for the following:
1. Control Unit.
2. Door Access Control Unit Power Supply.
3. Control Program.
4. Proximity Cards.
5. Card Readers.
6. Equipment Enclosures and Back Boxes.
7. Accessory Components.

C . Shop Drawings:
1. Wiring diagrams to detail power, signal, control, and correction circuits. Identify terminals and wiring color-codes to facilitate installation, operation, and maintenance. Indicate recommended wire types and sizes, and circuiting arrangements for field-installed system wiring. Show protection from overcurrent, static discharge, and voltage surge.

D . Operation and Maintenance Data: For door access control to include in emergency, operation, and maintenance manuals.

1.5 QUALITY ASSURANCE

A . Single Source Responsibility: Obtain each type of hardware from the same supplier.

B . Manufacturer Qualifications: A qualified manufacturer. Maintain, within 8 hours response time, a service center capable of providing training, parts, and emergency maintenance repairs.

C . Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

D . Comply with NFPA 70 for components and installation.

1.6 PRODUCT DELIVERY

A . Mark each item as to contents and location in the building for which it is intended.

B . Ship prepaid the hardware templates and/or physical hardware, as required, to metal door and frame manufacturers and wood door manufacturers.

C . Deliver drawings, templates and directions for installation of shell housing for high security lock box when unit is to be recessed mounted in poured-in-place concrete or masonry walls.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A . Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. International Electronics, Inc.; Secured Series.
2. HID Corp.; Corporate 1000: www.hidglobal.com.
3. Northern Computers; Nstar system.
4. Bosch Security: www.boschsecurity.us.
5. SimplexGrinnell: www.simplexgrinnell.com.
6. Altronix: www.altronix.com.
7. Substitutions: Refer to Section 01 60 00 - Product Requirements. (Coordinate with Architect).

2.2 DOOR ACCESS CONTROL UNIT

A . The access controller shall be a single door control, to the entry with expansion ability to add a second door via a plug-in option board. The controller will operate in a 'stand-alone' mode or within a network of other like controllers. All decisions regarding the user access, alarms, and automatic timed functions are made at the controller, independent of a computer.
1. A 1.0 amp, (24VDC max.) dry circuit, single pole, double throw relay for application of power to an electric locking device, automatic gate, or door operator.
2. An alarm output consisting of a 1.0 amp, Form C, dry circuit closure.
3. The alarm output must be configurable to annunciate the following conditions either via the same relay or separately via an auxiliary relay located on the option board:
   a. Door forced condition.
   b. Door held open condition.
   c. Both conditions.
   d. Neither condition.
4. An RS485 network communications output capable of linking up to 4 controllers (8 doors) into one network.
   a. The connectors shall be quick disconnect connectors for easy service.
   b. The RS-485 shall be configured to automatically detect an open, shorted or crossed line condition.

5. A standard RS232 serial output will provided that can be configured for direct connection, modem or Ethernet connection to a personal computer.
    a. The connector shall be a quick disconnect connector.
    b. The RS232 port shall be directly adaptable to an on board Ethernet connection.
    c. The controller shall offer the option for an additional RS-232 output for integration with an alarm panel.

B . The controller/option board shall contain various inputs and outputs for managing a door, gate or similar entry/exit point.
1. A door status input for sensing a normally closed switch.
2. A general, normally open input that can provide a global release of all lock relays in the network.
3. Two reader inputs, which can be ordered in either Wiegand-compatible format or high security proximity format.

C . The controller shall contain visual aids for viewing diagnostic tests and ID functions.
1. An LCD display to be used as a programming and diagnostic aid.
2. A segmented LED display to be used as a controller address display and volt meter.
3. LED status indicators that display improper controller voltage conditions, crossed-wired power connection (positive and negative input wiring reversed), as well as over-current draw conditions.
4. LED indicators to confirm that the option board is properly seated and configured.
5. Visual LED indicators for lock and alarm relay position status.

D . The controller's database memory shall be nonvolatile, or supported by a lithium battery with an expected life of five years.
1. The database shall maintain a memory capacity to manage up to 500 card/tag holders per controller.
    a. Cards can be enrolled into the system using a block enrollment method by card number sequence.
    b. Card and tag enrollment can also be accomplished by a “learn” method, where individual cards/tags can be presented to an enrollment reader.
2. The database shall maintain a memory capacity capable of storing at least 3,600 transactions.
    a. When the transaction memory becomes full, old transactions will be deleted on a first in, first out basis to make room for new transactions.
    b. The controller's transaction memory shall have the ability to record of all transactions performed by the controller, but alternately programmable to record only those transactions required by the operator.
    c. The transaction memory shall operate independent of other controllers within the network of controllers.
3. The Master controller shall be capable of communicating with a personal computer at a remote location via a direct connection, Ethernet, or a telephone modem. All secondary or slave controllers will communicate via high security 9 bit RS-485 protocols.
    a. The controller shall automatically sense if connected directly to a PC or if connected via modem and adjust its communication protocols accordingly.
    b. If the controller is using a modem, the modem shall communicate at 9600 baud or faster.
    c. The controller shall contact the host and upload the contents of the controller’s buffer when the buffer reaches an operator-definable pre-programmed percentage of its event database memory capacity. Should the communication connection be broken during the upload process, the controller shall try to re-establish the communication connection every 15 minutes until a successful connection is made and all data is uploaded.

E . The controller shall provide two reader inputs. These inputs can either both be proximity or both be Wiegand interface inputs:

1. Two readers can be operated simultaneously.
2. The readers can be configured to indicate direction – ingress and egress, or the second reader can be used to operate a second door with fully independent controls.

F . The controller shall be programmed using an existing Owner personal computer with the following requirements:
1. The personal computer must use the Windows 98, Windows ME, XP, or Windows NT v4.0 operating system.
2. The personal computer must use a 500 MHz, Pentium microprocessor (or faster).
3. The personal computer must have 40 Mbytes of available hard disk space.
4. The personal computer must have a minimum of 128 Mbytes of RAM.
5. The personal computer must have an available COM port equipped with a 16550 UART.
6. The personal computer must have a mouse or some similar pointing device.
7. The personal computer must have a CD-ROM drive.
8. SVGA color monitor with SVGA graphics card (800 x 600 minimum resolution).

G . The controller shall have an enclosure with “knock-outs” to accept conduit. The enclosure shall be metal and with equipped with a locking mechanism.

H . All cable/wiring connections shall be of quick disconnect type.

I . The controller shall operate using 12 volts DC.

J . The controller shall have surge protection across all relay outputs and across all inputs and non-relay outputs.

K . The controller shall provide protection against incorrect input power connections (i.e. reversed power and ground, voltage too high or too low).

L . The operating temperature range of the controller shall be no less than 0º F to 140º F (-18º C to 60º C) at 0% to 90% Relative Humidity, noncondensing.

2.3 DOOR ACCESS CONTROL UNIT POWER SUPPLY

A . Provide 120V input, 24V output power supplies rated to serve (2) Door Access Control Units.

2.4 CONTROL PROGRAM

A . All configuration, programming, and monitoring of the controllers must be done through an existing software program that makes these tasks easy to perform and is supported by an optional two hour on-line training course.

B . The software program is existing and has shall have the ability to seamlessly integrate and manage access control, telephone entry, and alarm system control functions, and contain the following features:
1. Allows for up to 16 operators with individually assignable passwords and privileges.
2. Have the ability to manage up to 32 distinct time zones with each time zone subdivided into the 7 days of the week, 3 holiday schedules, and 4 start/stop time intervals.
3. Have the ability to configure up to 512 input monitoring points and 256 Form C, output relay points with the following features:
   a. All relay points must be programmable to either follow the state of an associated input point or be latched to a state based on an input point.
   b. The operation of all Form C, output relay points must be assignable to time zones, such that the output relay points can have time periods when they are active/operational, and time periods when they are inactive/idle.
   c. All input monitoring points must be linkable to output relay points, allowing input events to initiate output relay responses.
   d. For each controller, all input monitoring points and output relay points on that controller must be able to be used in multiple links on that controller, allowing any combination of controller inputs to drive any combination of controller outputs.

4. An unlimited number of access groups (combinations of access/egress points and time zones) shall be available for creation and assignment of cardholders access privileges.
5. The software shall contain a utility to automatically store archived event data in weekly, monthly or yearly files.
6. Have the ability to configure event monitoring windows, with each window capable of displaying operator-selectable event information.
7. Have the ability to automatically unlock and relock specific doors at specified times of the day and day of the week, with user defined overrides on user defined dates.
8. Have the ability to implement a “First Person In” feature such that an auto-unlock schedule is not activated until an authorized person has entered the premises. This feature should allow early entrance in fifteen minute increments up to one hour in advance of the specified unlock time.
9. Have the ability to disable the reporting of specified events that do not need to be tracked, to save event storage space on the controller.
10. Have the ability to poll the access control network and retrieve network hardware status information that the program uses to automatically setup and configure itself without manual data entry.
11. Allow the assignment of future activation and expiration dates and times to individual cardholders, which are stored at the controller level.
12. Provide event records including alarm panel operation when the controller is integrated with an alarm panel.
13. Provides event records including telephone access activity when the controller is integrated with a telephone access panel.

2.5 CARD READER

A . The primary type of reader shall be a high security proximity type of reader. The proximity reader shall be connected directly to the main controller without the need for an option card and it shall not require a special interface for data formatting. The proximity reader shall read a unique identification number from each card or tag when the card or tag is presented to the surface of the reader, without a need for the card or tag to touch the reader.

B . The controller will support a variety of reader styles:
1. A door frame reader (mullion reader) that can be mounted directly on a standard metal mullion doorframe (1.75 inches or 4.5 cm).
   a. The read range using a standard proximity card shall be up to 4 inches (10 cm).
   b. The dimensions of the reader shall be 3.25 inches high by 1.40 inches wide by 0.375 inches deep (8.2 cm H x 3.5 cm W x 0.96 cm D).
   c. The reader shall be of a weatherproof, potted, rugged design.
   d. The reader shall provide a multi-color LED and a sound alert for status annunciation.
2. A single gang mount, wall switch reader that can be mounted onto a metal or plastic USA electrical junction box or on a non-metallic flat surface.
   a. The read range using a standard proximity card shall be up to 6.00 inches (15 cm).
   b. The dimensions of the reader shall be 4.40 inches high by 3.00 inches wide by 0.375 inches deep (11.13 cm H x 7.62 cm W x 0.96 cm D).
   c. The reader shall be of a weatherproof, potted, rugged design.
   d. The reader shall provide a multi-color LED and a sound alert for status annunciation.
3. A medium range reader that can be mounted to most building materials except metal.
   a. The read range using a standard proximity card shall be up to 14 inches (35cm).
   b. The dimensions of the reader shall be 8.50 inches high by 6.00 inches wide by 0.75 inches deep (21.59 cm H x 15.24 cm W x 1.91 cm D).
   c. The reader shall be of a weatherproof, potted, rugged design.
   d. The reader shall provide a multi-color LED and a sound alert for status annunciation.

C . The operating temperature of all readers shall be at least -22° F to 150° F (-30°C to 65°C).

D . Accidental or intentional transmission of radio frequency signals into the reader shall not compromise the security of the access control system.

E . The electrical connection between the reader and the controller shall be a color-coded, six conductor, #24 AWG or greater gauge, shielded cable. No coaxial cable or special connectors shall be required.

2.6 CARDS

A . Cards and tags shall be uniquely encoded and not sensitive to facility code matching or other limiting factors.
   1. Several card/tag options shall be available, including a standard “clamshell” proximity card in the shape of a credit card and shall fit comfortably in a wallet, pocket, or purse.

B . The dimensions shall be 3.38 inches long by 2.13 inches wide by 0.065 inches thick (8.6 cm H x 5.4 cm W x 178 mm D).
   1. A standard proximity key tag shall be available. It will have an eyelet, allowing the tag to be attached to a key ring.

2.7 DOOR POSITION SWITCHES

A . Provide 2-wire recessed magnetic door position switches. Coordinate with door hardware vendor as required. Basis of design: Securitron DPS-M-BK.

B . Where existing doors or overhead doors are scheduled to have door position switches and drilling is not an option, provide Securitron surface mount magnetic switches such as MSS-1 or equal. Coordinate with door hardware vendor as required.

2.8 MAGNETIC LOCKS, ELECTRIC STRIKES, ELECTRIC LATCHES, AND CONTROLS

A . Supplied and installed by others, connection to security system by this Contractor. Coordinate with door hardware supplier and door hardware installer.

B . 24V power supply to Magnetic locks, Electric strikes, and Electronic latches from Door Hardware supplier (see hardware specifications) shall be located as indicated on the drawings.

2.9 MAGNETIC HOLD OPEN OVER RIDE

A . DPST, round pushbutton head.

B . Red high-impact plastic cover with text “ PANIC” clearly visible.

C . Maintained Contacts, NEMA Rated Operator.

D . Shall interrupt power to magnetic hold open (bypassing control system).

2.10 WARRANTEE

A . A two-year unconditional warranty for the controller electronics.

B . A lifetime warranty for the doorframe and single gang mount readers.

C . A lifetime warranty for the medium and extended range proximity readers.

D . A lifetime warranty for standard proximity cards and key tags.

E . A one-year warranty for the ISO card.

2.11 WIRE AND CABLE

A . Conductors: Insulated copper, with minimum sizes as recommended by the connected device manufacturer. Voltage drop for signal and control circuits shall not exceed 10 percent under peak load conditions.

B . 120-V AC and Class 1 Signal and Control Circuits: Stranded single conductors of size recommended by system manufacturer. Materials and installation requirements are specified in Section 26 05 19 - Low-Voltage Electrical Power Conductors and Cables.

C . Classes 2 and 3 Signal and Control Circuits: Single conductor or twisted-pair cable, shielded.

D . Data Circuits: Category 6 minimum, unshielded, twisted-pair cable, unless manufacturer recommends shielded cable.

E . Conductor Color-Coding: Uniformly identified and coordinated with wiring diagrams.

PART 3 EXECUTION

3.1 INSTALLATION

A . Wiring: Install 60-Hz wiring according to NFPA 70. Install data cable complying with TIA/EIA-568-A. Install number of conductors recommended by system manufacturer for functions indicated, and as follows:
1. Conceal wiring except in unfinished spaces.
2. Wiring Method: Install wiring in raceways except for Classes 2 and 3 remote-control and signaling circuits, as defined in NFPA 70, if installed in accessible ceiling spaces and hollow gypsum-board partitions, where unenclosed wiring method may be used. Install listed plenum cable for Classes 2 and 3 wiring in environmental air spaces, including plenum ceilings.

B . Wiring within Enclosures: Bundle, lace, and train conductors to terminal points with no excess; use lacing bars and distribution spools.

3.2 ELECTRICAL CONNECTIONS

A . Make splices, taps, and terminations on numbered terminal strips in junction, pull and outlet boxes, terminal cabinets, and equipment enclosures.

B . Ground equipment, and conductor and cable shields to eliminate shock hazard and to minimize ground loops, common-mode returns, noise pickup, cross talk, and other impairments.

3.3 IDENTIFICATION

A . Comply with Division 26 Section "Basic Electrical Materials and Methods."

B . Color-code wire and apply wire and cable marking tape to designate wires and cables so they are uniformly identified and coordinated with wiring diagrams throughout the system.

3.4 FIELD QUALITY CONTROL

A . Manufacturer's Field Service: Engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including connections **and to assist in programming and field testing**.

B . Perform the following field adjustments, tests, and inspections and prepare test reports:
1. Perform operational-system tests to verify compliance with the Specifications and make adjustments to bring system into compliance.
2. Verify that units and controls are properly labeled and interconnecting wires and terminals are identified.

C . Remove and replace malfunctioning units and retest as specified above.

3.5 PROGRAMMING AND ADJUSTMENTS

A . Program system according to Owner's requirements. Set system so signal devices operate on Owner-required schedules and are activated for durations selected by Owner. Program equipment-control output circuits to suit Owner's operating schedule for equipment controlled.

B . Adjust sound-output level of adjustable signal devices to suit Owner's requirements.

3.6 DEMONSTRATION

A . Engage a factory-authorized service representative to train Owner's personnel to adjust, operate, and maintain door access control system components. Provide [3] hours of training.

END OF SECTION

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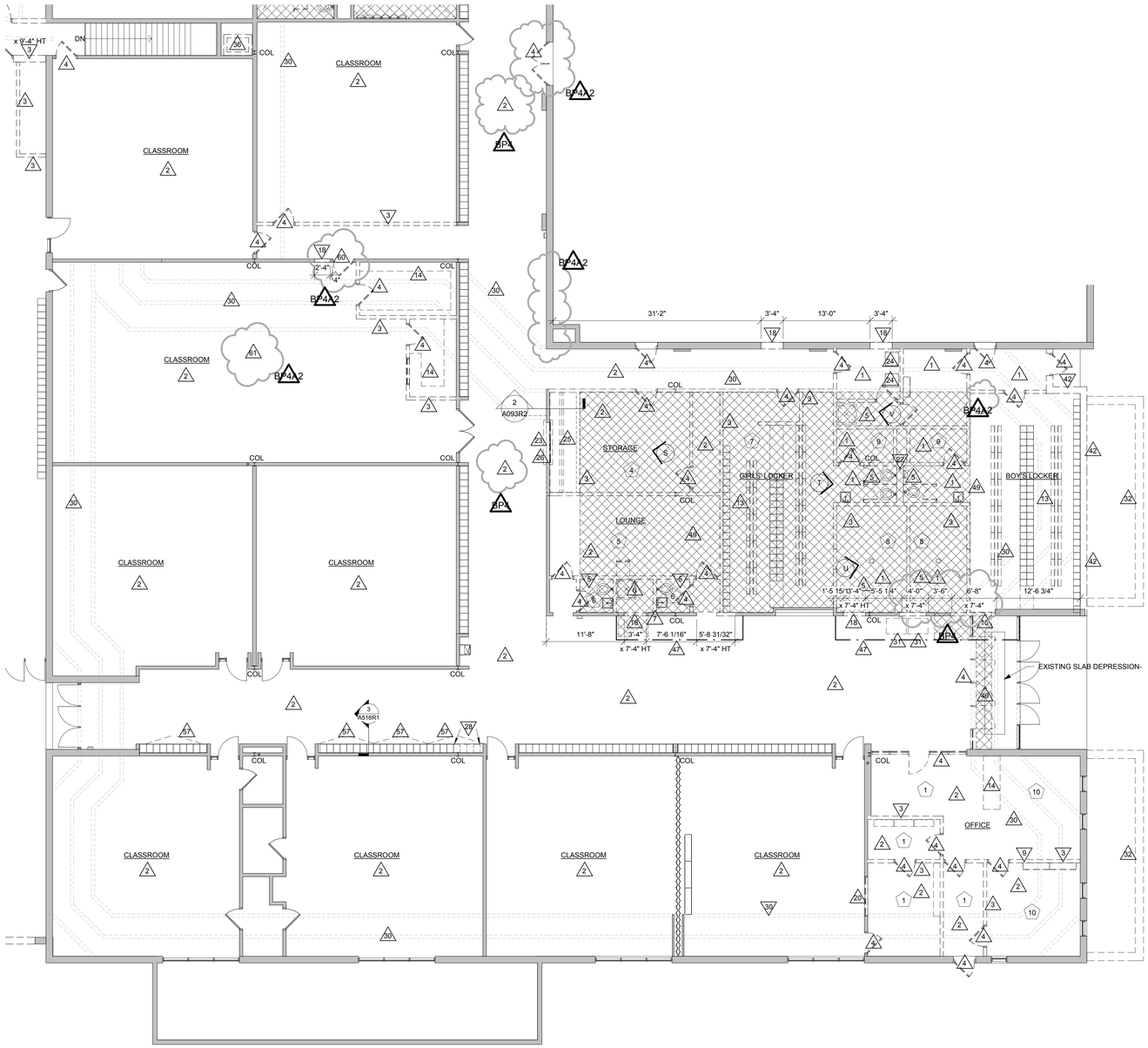
S PHOTO

T PHOTO

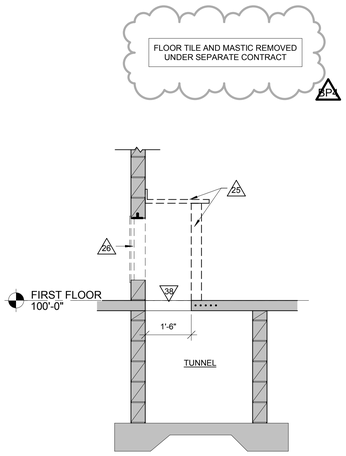
U PHOTO

V PHOTO



1 REMOVAL PLAN- UNIT A

1/8" = 1'-0"



2 REMOVAL SECTION

1/2" = 1'-0"

REMOVAL GENERAL NOTES: BP4

A	ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNUSED CONDUIT, PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
B	PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
C	OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
D	DELIVERY ROUTE AND TIMES FOR NEW MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER.
E	CONTRACTORS SHALL BE REQUIRED TO USE EFFECTIVE MEASURES TO AVOID SPREADING/TRACKING DUST AND DEBRIS OUTSIDE THE WORK SPACE.
F	MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
G	ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
H	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, BRACING, ETC. AS REQUIRED FOR THE WORK.
J	BIDDERS SHALL MAKE EVERY EFFORT TO VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. INSPECTION HOLES, ETC. CAN BE COORDINATED WITH THE OWNER.
K	COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.
L	CONTRACTOR TO INSTALL AND MAINTAIN A DUST ENCLOSURE FOR REMOVAL AND NEW CONSTRUCTION WORK.
M	PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.
N	GENERAL CONTRACTOR SHALL, IN CONCERT WITH THE OWNER AND A/E, MAINTAIN A DETAILED PHASING PLAN FOR ALL WORK. PHASING PLANS SHALL DEFINE INTERIM LIFE SAFETY ELEMENTS OF THE PROJECT. THE PLANS SHALL IDENTIFY, FOR EACH PHASE, THE CONSTRUCTION BARRIERS (INCLUDING RATINGS IF ANY), TRAVEL AND EXIT PATHS FOR THE CONTRACTORS AND FACILITY STAFF, AND ANY SPECIAL SAFE GUARDS AND SIGNAGE TO ENSURE THE SAFETY FOR THOSE USING THE FACILITY. REFER TO SPECIFICATIONS AND PLANS FOR OTHER NOTES REGARDING THESE ELEMENTS. PLANS SHALL BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.

REMOVAL LEGEND:

- EXISTING
- EXISTING TO BE REMOVED
- LINE OF EXISTING TUNNELS BELOW SLAB
- SYMBOL INDICATES REMOVAL KEY NOTE.
- SYMBOL INDICATES PHOTO - SEE SHEET A093
- COL — EXISTING COLUMN
- LBW — LOAD BEARING WALL
- REMOVAL FINISHES
- INDICATES STRUCTURAL TILE FLOOR SYSTEM
- BUILDING REMOVAL

KEY NOTES REMOVAL

1	REMOVE GYP BD CEILING.
2	REMOVE ACOUSTIC CEILING TILE AND GRID.
3	REMOVE NON-LOAD BEARING MASONRY PARTITION FULL HEIGHT.
4	REMOVE DOOR AND FRAME INCLUDING SIDELIGHTS AND TRANSOMS WHERE APPLICABLE
5	REMOVE TOILET ROOM INTERIOR COMPLETELY INCLUDING PLUMBING FIXTURES, PARTITIONS, CEILING, NON-LOAD BEARING PARTITION WALLS, FLOOR TILE, SHOWER, ETC.
6	SEE PLUMBING FOR REMOVAL OF MOP SINK.
7	SEE ELECTRICAL FOR REMOVAL OF PANEL.
8	REMOVE STUD AND T&G/ GYP BD WALL INFILL OF PROSCENIUM OPENING.
9	REMOVE STUD AND GYP WALLS FULL HEIGHT.
10	REMOVE GLAZED BRICK WALLS FULL HEIGHT.
11	REMOVE GYP BD AND WOOD JOIST CEILING.
12	REMOVE WOOD STUD WALL ABOVE CMU.
13	REMOVE EXISTING BENCHES, LOCKERS, AND LOCKER BASE. SALVAGE FOR REUSE IN NEW LOCKER ROOMS. PATCH FLOOR AS REQUIRED FOR NEW FINISHES.
14	REMOVE CABINETS, COUNTERTOPS (SEE PLUMBING FOR SINK DISCONNECT IF APPLICABLE), WALL MOUNTED SHELVING.
15	REMOVE ACCORDION PARTITION.
16	REMOVE STORAGE UNITS. SALVAGE FOR REUSE IN NEW LOCATION.
17	ALL STRUCTURES NOTED TO BE REMOVED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
18	SAWCUT AND REMOVE CMU/ BRICK TO HEIGHT INDICATED FOR INSTALLATION OF NEW OPENING. PROVIDE TEMPORARY SHORING AS REQUIRED. TOOTH IN EXISTING MASONRY JAMBS.
19	EXISTING WHEELCHAIR LIFT TO REMAIN.
20	REMOVE EXISTING WINDOW/ DOOR. PREPARE OPENING AS REQUIRED FOR CMU INFILL.
21	EXISTING BEAM BEARING POINT ABOVE.
22	APPROXIMATE LOCATION OF EXISTING ROOF DRAIN LEADER. COORDINATE REMOVAL/ RELOCATION WITH PLUMBING.
23	REMOVE COILING COUNTER DOOR AND GUIDES. PREPARE OPENING AS REQUIRED FOR CMU INFILL.
24	TUNNEL ACCESS PANEL- SEE STRUCTURAL FOR INFILL DETAILS.
25	REMOVE 4" CMU HALF HIGH WALL, WOOD CABINETS, AND COUNTERTOP. SEE 2/A093.
26	REMOVE MECHANICAL GRILLE. PREPARE OPENING AS REQUIRED FOR CMU INFILL.
27	EXISTING DUCT ENCASED IN CONCRETE.
28	REMOVE EXISTING LOCKERS AND METAL BASE. SALVAGE TO OWNER.
29	REMOVE EXISTING WOOD FLOOR TIERS.
30	LINE OF EXISTING TUNNELS BELOW FLOOR.
31	EXISTING VENDING MACHINES. SEE FLOOR PLAN FOR NEW LOCATIONS.
32	REMOVING EXISTING TIMBER PLANTER WALL IN ITS ENTIRETY.
33	REMOVE CMU/ BRICK TO 8" BELOW SLAB TO ALLOW FOR NEW THICKENED SLAB.
34	EXISTING FOUNDATION TO REMAIN.
35	REMOVE CONCRETE FLOOR AS REQUIRED FOR INSTALLATION OF NEW FOOTINGS.
36	REMOVE CHIMNEY TO BELOW ROOF DECK.
37	REMOVE CONCRETE STOOP AND FOOTINGS.
38	EXISTING OPENING IN FLOOR- SEE STRUCTURAL FOR NEW INFILL DETAILS.
39	REMOVE STUD AND GYP WALL TO HEIGHT INDICATED FOR NEW OPENING.
40	EXISTING DATA CABINET TO REMAIN.
41	REMOVE ALL PLUMBING FIXTURES, PARTITIONS, AND FLOOR AND WALL TILE.
42	REMOVE ENTIRE EXISTING EXTERIOR WALL. PROVIDE TEMPORARY SUPPORT FOR ROOF JOISTS AS REQUIRED.
43	REMOVE ENTIRE EXISTING STAGE FLOOR AND SUPPORTS. PREPARE FOR NEW CONCRETE INFILL.
44	REMOVE EXISTING STEPS.
45	NOT USED.
46	REMOVE EXISTING DOOR/ WINDOW. PREPARE OPENING AS REQUIRED FOR NEW SHELVES.
47	TEMPORARY DUST CONTAINMENT WALL. COORDINATE LOCATION WITH OWNER.
48	REMOVE METAL PANEL COVER AT EXISTING WINDOWS.
49	REMOVE CONC SLAB AS INDICATED BY HATCH LINES TO BOUNDARIES SHOWN.
50	REMOVE EXISTING WINDOW. CASE OPENING TO ALLOW FOR WINDOW IN NEW WALL.
51	REMOVE EXISTING FREEZER. COORDINATE WITH ELECT, PLBG.
52	REMOVE EXISTING DISHWASHER AND RELATED EQUIPMENT. INCLUDE STAINLESS STEEL TABLE. COORDINATE WITH MECH, ELECT, PLBG.
53	REMOVE EXISTING HOOD ABOVE. COORDINATE WITH MECH, ELECT, PLBG.
54	REMOVE EXISTING WINDOW FAN.
55	REMOVE EXISTING EXTERIOR WALL TO FOOTING- ALTERNATE.
56	REMOVE EXISTING ROOFING, DECK, AND STRUCTURE- ALTERNATE.
57	REMOVE EXISTING PLYWOOD CABINET DOORS.
58	REMOVE EXISTING WOOD FRAME AND TRIM. PREPARE EXISTING OPENING FOR INSTALLATION OF NEW HM FRAME.
59	REMOVE EXISTING IMPACT CUSHIONS AND SALVAGE FOR REINSTALLATION.
60	REMOVE EXISTING DOOR ONLY. FRAME TO REMAIN.
61	REMOVE PAINT FROM FLOOR. PATCH FLOOR REMOVED CMU WALLS. PREPARE FLOOR AS REQUIRED FOR NEW FINISHES.

KEY NOTES REMOVAL FINISHES

1	9X9 ASBESTOS FLOOR, VINYL BASE, CMU WALLS, & ACT
2	POURED RUBBER FLOOR, VINYL BASE, CMU WALLS, & ACT
3	CPT, VB, GYP, ACT
4	WD, WD STUDS/ CMU
5	9X9 ASBESTOS FLOOR, VINYL BASE, CMU WALLS, & 2X4 ACT
6	1X1 CT FLOOR, 6" CT BASE, PAINTED CMU WALLS, & 2X2 ACT
7	TILE FL., 6" CT BASE, PAINTED CMU WALLS, & PAINTED PLASTER
8	1X1 CT FLOOR, 6" CT BASE, 4X4 CT. CEILING 8", & PAINTED PLASTER CEILING.
9	CONCRETE FLOOR, 6" CT BASE, PAINTED CMU WALLS, 2X2 VCGB CEILING @ 8'
10	CARPET (OVER 9X9 ASBESTOS FLOOR), VB, CMU PANELING, ACT

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Consultant:

Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: 1025 Town Street Prentice,WI 54556

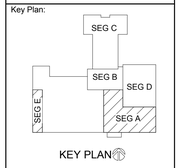
Sheet Title: **REMOVAL PLAN**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **MPL**

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

Last Update: **1/3/2019 8:56:07 AM**

BID PACKAGE 3

A093R2

GENERAL NOTES:

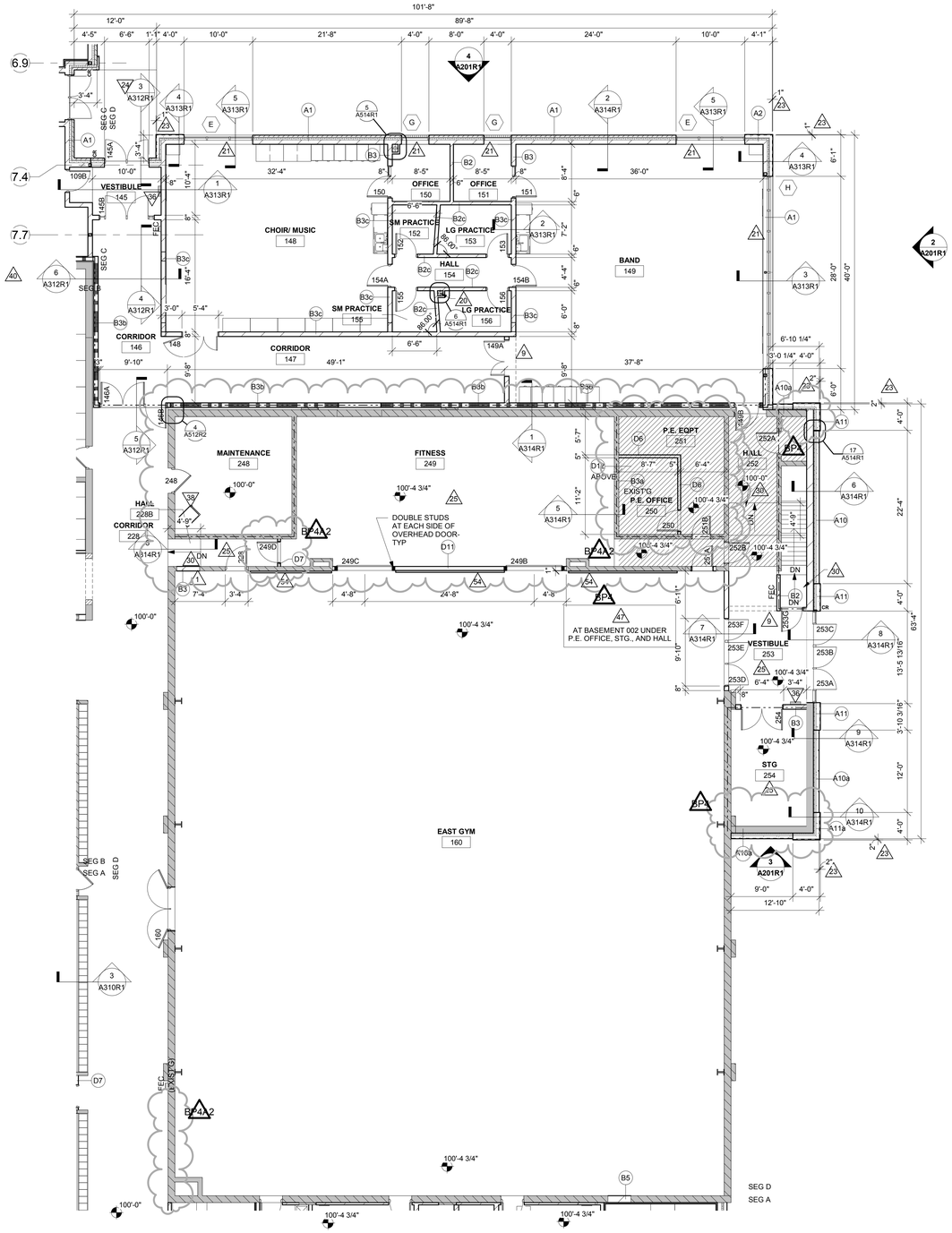
A	SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
B	LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
C	VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
D	PAINT ALL EXPOSED STEEL LINTELS.
E	INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
F	SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
G	SEE A200 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.
H	REFER TO CODE PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
J	EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A601** FOR TOP OF WALL DETAILS.
L	SEE A514 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
M	PLAN DIMENSIONS ARE FROM FACE OF WALL TO FACE OF WALL.
N	ALL DOOR FRAMES TO BE 4" FROM CORNERS UNLESS NOTED OTHERWISE.

LEGEND:

(A)	SYMBOL INDICATES WALL TYPE - SEE SHEET A601 FOR WALL TYPE DETAILS.
(A)	SYMBOL INDICATES WINDOW TYPE. SEE SHEET A602 FOR WINDOW FRAME ELEVATIONS.
△	SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
	1 HOUR WALL
	2 HOUR WALL
AO	AUTO OPERATOR- SEE ELECTRICAL
BL	BORROWED LIGHT
COL	EXISTING STEEL COLUMN
CR	CARD READER- SEE ELECTRICAL
EWC	ELECTRIC WATER COOLER
FE	FIRE EXTINGUISHER- BRACKET MOUNTED
FEC	FIRE EXTINGUISHER- SEMI-RECESSED CABINET
MT	MONITOR- VERIFY SIZE WITH OWNER- NIC
MB- n'	MARKER BOARD- 48" HIGH x LENGTH INDICATED ON PLAN
PB	PUSH BUTTON TO FRONT DESK- SEE ELECTRICAL
PS	PROJECTION SCREEN- NIC
SB	SMART BOARD- NIC
SS	SOLID SURFACE
SWB	SLATWALL BOARD- 24" HIGH x LENGTH INDICATED ON PLAN
TB	TACK BOARD- 48" HIGH x 48" WIDE
TS- n'	CLIP TYPE MAP RAIL- MOUNT (1) AT 44" AFF AND (1) AT 84" AFF x LENGTH INDICATED ON PLAN

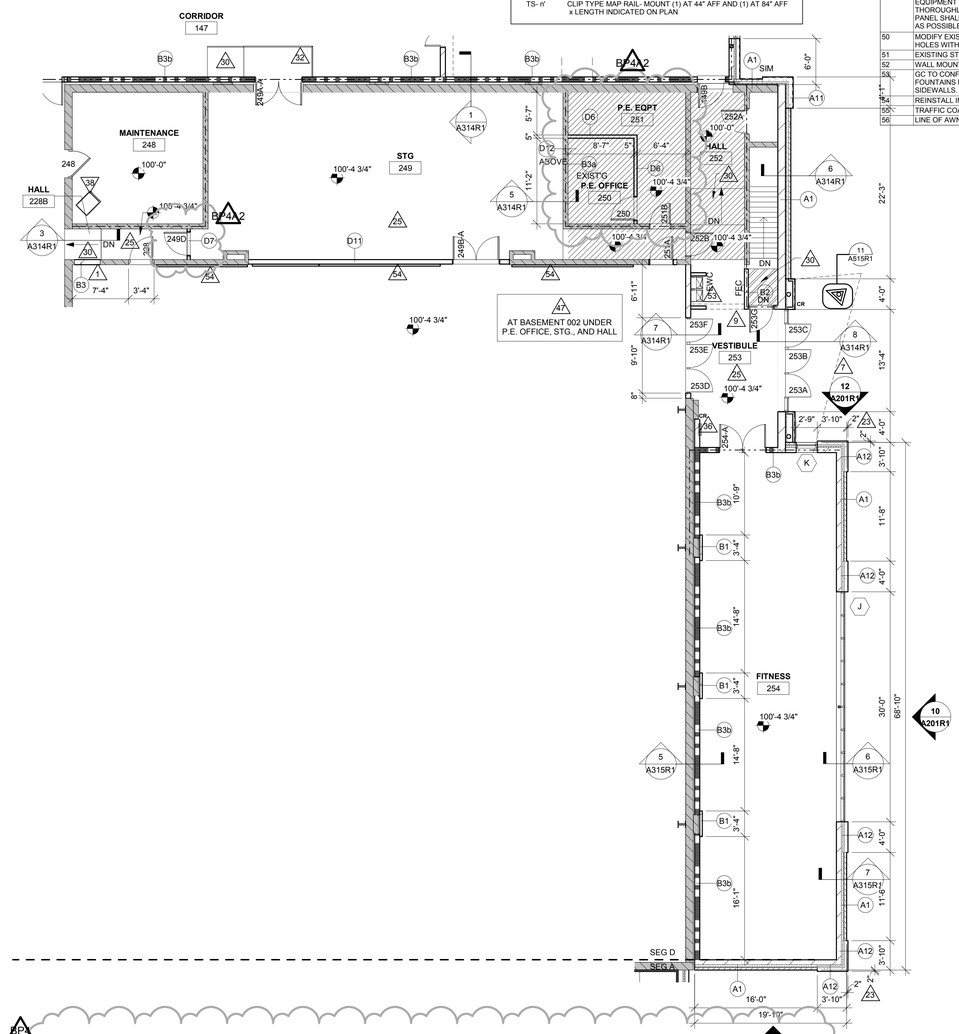
KEY NOTES PLAN

1	INFILL EXISTING OPENING WITH CMU. MATCH ADJACENT FINISHES.
2	NEW MANUAL FOLDING PANEL PARTITION.
3	INFILL EXISTING SLAB DEPRESSION.
4	FLOOR OPENING INFILL. SEE STRUCTURAL.
5	PERMANENTLY SECURE EXISTING TUNNEL ACCESS PANELS.
6	RELOCATED DOOR/ TRANSOM.
7	LINE OF CANOPY ABOVE.
8	NEW CHEM COUNTERTOP. INTEGRAL SINK, GAS VALVES AND ELECTRICAL OUTLETS. SEE CASEWORK DRAWINGS, PLUMBING AND ELECTRICAL. ALTERNATE.
9	LINE OF BULKHEAD ABOVE.
10	VENDING MACHINES (N.I.C.)
11	NEW WALK-IN FREEZER-SEE FOOD SERVICE SHEETS.
12	NEW DISHWASHER SYSTEM AND HOOD- SEE FOOD SERVICE SHEETS FOR BASE BID AND ALTERNATE WORK.
13	AREA OF MOBILE STAGE (N.I.C.)
14	INFILL FLOOR AS REQUIRED AFTER REMOVAL OF CMU WALL. PREPARE FOR NEW FLOORING.
15	12"W x 15"D LOCKERS ON 4" CONCRETE SLAB.
16	12"W x 15"D CUBBIES- SEE SHEET A516.
17	PROVIDE 3/4" PLYWOOD PANEL- COORDINATE SIZE AND MOUNTING HT WITH ELECTRICAL.
18	STEEL COLUMN- SEE STRUCTUAL.
19	MOP SINK- SEE PLUMBING.
20	ROOF DRAIN LEADER- SEE PLUMBING AND DETAILS A514.
21	SOLID SURFACE SILL.
22	NOT USED
23	DIMENSION INDICATES CASTSTONE PANEL OVERHANG AT FOUNDATION BELOW. SEE DETAIL 11/A200.
24	CONCRETE STOOP- SEE STRUCTRAL.
25	FLOOR INFILL TO MATCH HEIGHT OF GYM FLOOR. SEE DETAIL 8/A514.
26	STUD AND GYP BD COLUMN ENCLOSURE. SEE 7/A514.
27	FLOOR PATCHING AT REMOVED WALL LOCATIONS.
28	INFILL OPENING TO MATCH EXISTING ADJACENT EXTERIOR WALL PANELS.
29	ROOM DARKING SHADES WITH JAMB TRACK.
30	RAMP- 1:12 SLOPE. CEMENTITIOUS FLOORFILLER AT HALL 228B AND VESTIBULE 253. PAINT SAFETY YELLOW STRIPES AT VESTIBULE 253. WOOD RAMP AT HALL 252. SEE SHEET A516 .
31	SHADE CLOTH WINDOW SHADES.
32	2 PIPE RAILING. 42" HEIGHT.
33	SHADED LINES INDICATE LOCATION OF IN-FLOOR HEATING. SEE9/A514.
34	LINE OF SKYLIGHT ABOVE.
35	NOT USED.
36	CABINET HEATER- SEE MECH SHEETS.
37	CANOPY COLUMN- SEE 10/A515.
38	EXISTING DATA CABINET.
39	ROOM DARKENING SHADES.
40	PLAN SHELVES IN EXISTING WINDOW AND DOOR OPENINGS.
41	LINE OF AWNING ABOVE- ALTERNATE. SEE SHEET A515.
42	PAD ALL WALLS- FLOOR TO 6'-0" AFF.
43	6" STUDS CHASE AT VENT PIPE LOCATIONS- COODINATE WITH PLUMBING. ALTERNATE
44	FRP PANELS AT CORNER. 4'-0" HEIGHT.
45	NEW LOCKABLE 2'-0" W x 3'-0" H PLYWOOD CABINET DOORS ABOVE LOCKERS. PROVIDE NEW VERTICAL STILES. STAIN TO MATCH EXISTING STILES- SEE 1D-600.
46	CLEAN ALL BASEMENT WALLS AND FLOOR. RESEAL FLOOR. SEE SHEET ID102.
47	CLEAN ALL BASEMENT WALLS AND FLOOR. WALLS TO RECEIVE NEW PAINT, FLOORS TO RECEIVE NEW LVT. SEE SHEET ID105.
48	3x3 TUBE STEEL COLUMN WITH BASE PLATE FOR WALL STABILITY.
49	FILL HOLES IN EXISTING RFP PANELS AFTER REMOVAL OF OLD EQUIPMENT WITH CAULK TO MATCH PANEL. CLEAN PANELS THOROUGHLY. FOR OLD OPENINGS LARGER THAN 1"x1", FULL FRP PANEL SHALL BE REPLACED WTH NEW TO MATCH EXISTING AS CLOSE AS POSSIBLE (IVORY).
50	MODIFY EXISTING FRAME, NEW DOOR AND HARDWARE. FILL FRAME HOLES WITH FIBERGLASS FILLER, SAND AND REPAINT WHOLE FRAME.
51	EXISTING STAINLESS STEEL COUNTER AND SNEEZE GUARD TO REMAIN.
52	WALL MOUNTED 4 UNIT MOP/BROOM HOLDER.
53	GC TO CONFIRM CLEAR WIDTHS REQUIRED AT HIGH/LOW DRINKING FOUNTAINS FOR ADA WITH MANUFACTURER PRIOR TO FRAMING SIDEWALLS.
54	REINSTALL IMPACT CUSHIONS AT NEW LOCATIONS SHOWN.
55	TRAFFIC COATING WITH INTEGRAL 4" BASE.
56	LINE OF AWNING ABOVE- SEE SHEET A516.



1 FLOOR PLAN- UNIT D- BASE BID

1/8" = 1'-0"



2 FLOOR PLAN- UNIT D- ALTERNATE

1/8" = 1'-0"

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Consultant:

Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

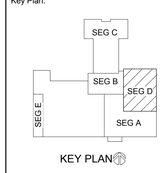
Sheet Title: **FLOOR PLAN- UNIT D**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **MPL**

Key Plan:



Revisions:

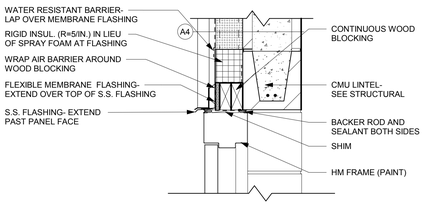
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

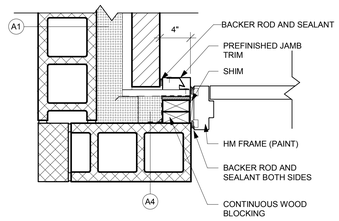
Last Update: **1/3/2019 8:56:08 AM**

BID PACKAGE 3

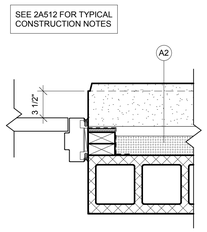
A114R2



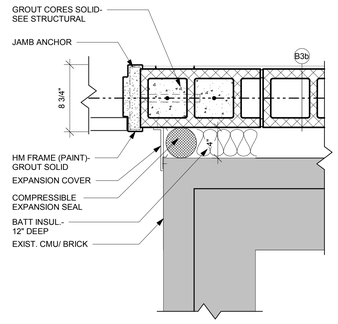
1 DOOR HEAD DETAIL
1 1/2" = 1'-0"



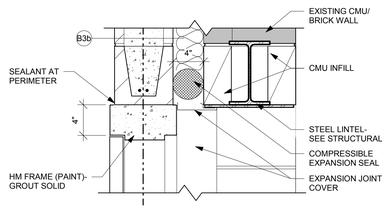
2 DOOR JAMB DETAIL
1 1/2" = 1'-0"



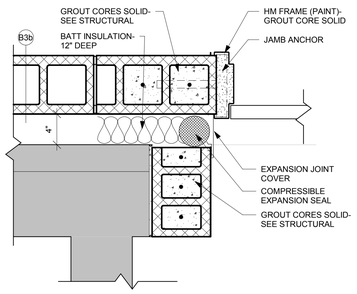
3 DOOR JAMB DETAIL
1 1/2" = 1'-0"



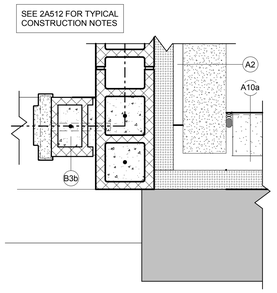
4 DOOR JAMB DETAIL
1 1/2" = 1'-0"



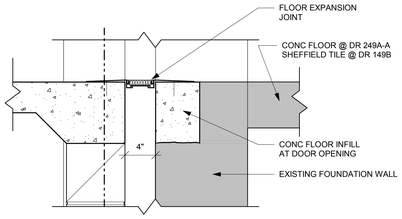
5 DOOR HEAD DETAIL
1 1/2" = 1'-0"



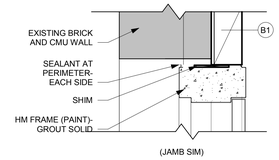
6 DOOR JAMB DETAIL
1 1/2" = 1'-0"



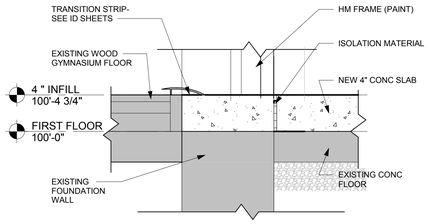
7 DOOR JAMB DETAIL
1 1/2" = 1'-0"



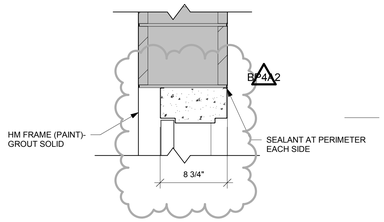
8 DOOR SILL DETAIL
1 1/2" = 1'-0"



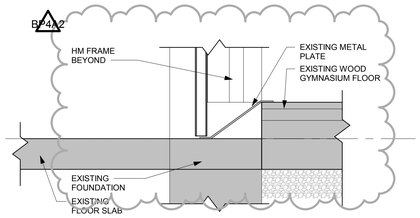
9 DOOR HEAD DETAIL
1 1/2" = 1'-0"



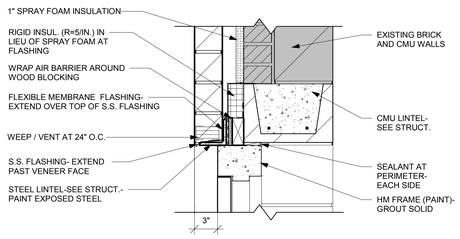
10 DOOR SILL DETAIL
1 1/2" = 1'-0"



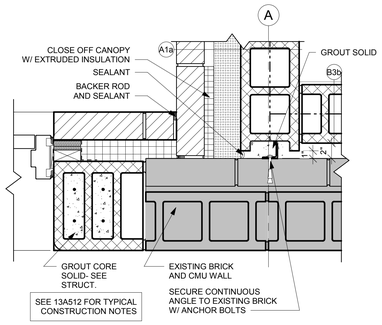
11 DOOR HEAD DETAIL
1 1/2" = 1'-0"



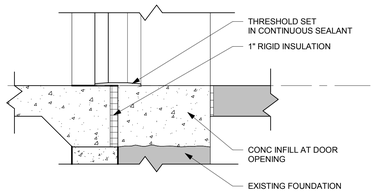
12 DOOR SILL DETAIL
1 1/2" = 1'-0"



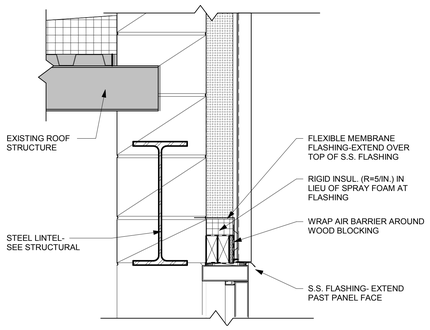
13 DOOR HEAD DETAIL
1 1/2" = 1'-0"



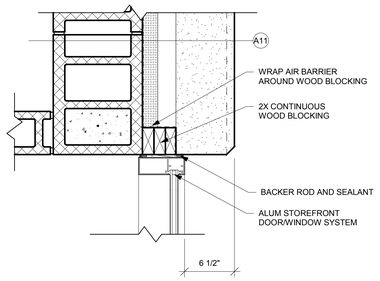
14 DOOR JAMB DETAIL
1 1/2" = 1'-0"



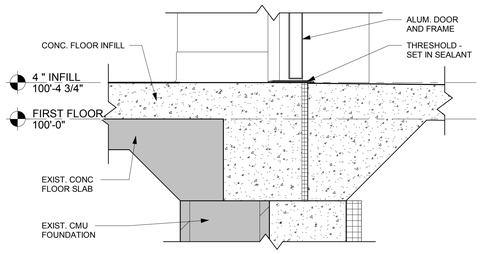
15 DOOR SILL DETAIL
1 1/2" = 1'-0"



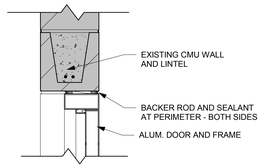
16 DOOR HEAD DETAIL
1 1/2" = 1'-0"



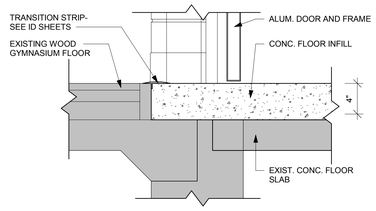
17 DOOR JAMB DETAIL
1 1/2" = 1'-0"



18 DOOR SILL DETAIL
1 1/2" = 1'-0"



19 DOOR HEAD DETAIL
1 1/2" = 1'-0"



20 DOOR SILL DETAIL
1 1/2" = 1'-0"

BP3

COMPLETED DETAILS

BID PACKAGE 3

A512R2

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Consultant:

Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

Sheet Title: DOOR-WINDOW DETAILS

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: Author

Key Plan:

Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/3/2019 8:56:13 AM

DOOR SCHEDULE

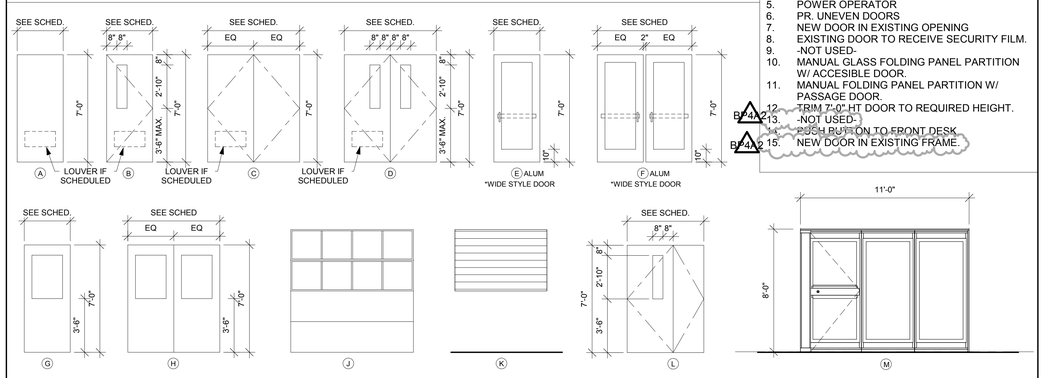
DOOR NO.	SIZE W	SIZE H	SIZE T	DOOR MAT'L	DOOR TYPE	DOOR GLASS TYPE	DOOR U-CUT OR LOUVER	FRAME MAT'L	FRAME ELEV	FRAME DEPTH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE LABEL	HDWR GROUP	REMARKS
100A	6' - 0"	7' - 0"	1 3/4"	HM	H	GLT-21		HM	BB	8 3/4"	4/A510	5/A510	6/A510	90 MIN	1	2
100B BP4A1	6' - 0"	7' - 0"	1 3/4"	HM	H	GLT-21		HM	BB	8 3/4"	4/A510	5/A510	6/A510	90 MIN	1	2
101	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-1		HM	AA	8 1/4"	18/A511	18/A511			2	
102A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			3	
102B	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			3	
103	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			4	
104	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-1		HM	AA	5 7/8"	18/A511	18/A511			4	
105	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	8 1/4"	18/A511	18/A511			3	
108A	3' - 0"	7' - 0"	1 3/4"	ALUM	F	GLT-12		ALUM	PP	6"	13/A510	14/A510	12/A510		5	1
108B	3' - 0"	7' - 0"	1 3/4"	ALUM	F	GLT-4		ALUM	PP	4 1/2"	19/A511	19/A511			6	
108C	6' - 0"	7' - 0"	1 3/4"	SCWD	D	GLT-1		HM	BB	8 3/4"	19/A510	19/A510			7	
109A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	8 3/4"	19/A510	19/A510			3	
109B	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	8 3/4"	19/A510	19/A510			3	
111	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
112	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
113	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
114	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
116	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
117	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
119	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
120	11' - 0"	8' - 0"		Glass	M				--		1/A511				44	10
124	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	8 1/4"	18/A511	18/A511			3	
125	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	8 1/4"	18/A511	18/A511			2	
127A	3' - 0"	7' - 0"	1 3/4"	FBRGL	A			ALUM	BB		1/A512	2&3/A512	12/A510		9	
127B	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	5 7/8"	18/A511	18/A511			2	
127C	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	5 7/8"	18/A511	18/A511			2	
128A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			4	
128B	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA		18/A511	18/A511			4	
129	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	8 1/4"	18/A511	18/A511			2	
130	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	UU	8 1/4"	18/A511	18/A511			47	
131	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			4	
132A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	8 1/4"	18/A511	18/A511			2	
132A1	24' - 0"	9' - 4"							632		19/A514				45	11
132B	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	8 1/4"	18/A511	18/A511			2	
134A	3' - 0"	7' - 0"	1 3/4"	ALUM	F	GLT-12		ALUM	PP	6"	10/A510	11/A510	12/A510		5	1
134B	3' - 0"	7' - 0"	1 3/4"	ALUM	F	GLT-4		ALUM	PP	4 1/2"	19/A511	19/A511			6	
135A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	8 1/4"	18/A511	18/A511			2	1
135B	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	8 1/4"	18/A511	18/A511			2	
135B1	24' - 0"	9' - 4"							632		19/A514				45	11
136	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			3	
137	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	8 1/4"	18/A511	18/A511			10	
140	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	8 1/4"	18/A511	18/A511			2	
141	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	8 1/4"	18/A511	18/A511			3	
142	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	5 7/8"	18/A511	18/A511			2	
143A	3' - 0"	7' - 0"	1 3/4"	FBRGL	A			ALUM	BB		1/A512	2&3/A512	12/A510		9	
143B	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	5 7/8"	18/A511	18/A511			2	
143C	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	5 7/8"	18/A511	18/A511			2	
144	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	GG	8 1/4"	18/A511	18/A511			2	
145A	3' - 0"	7' - 0"	1 3/4"	ALUM	F	GLT-12		ALUM	PP	6"	13/A510	14/A510	12/A510		5	1
145B	3' - 0"	7' - 0"	1 3/4"	ALUM	F	GLT-4		ALUM	PP	4 1/2"	19/A511	19/A511			6	
146A	6' - 4"	7' - 0"	1 3/4"	HM	G	GLT-25		HM	KK	8 3/4"	19/A510	19/A510		90 MIN	11	2
146B	3' - 0"	7' - 0"	1 3/4"	HM	G	GLT-25		HM	KK	8 3/4"	19/A510	19/A510		90 MIN	11	2
148	5' - 0"	7' - 0"	1 3/4"	SCWD	L	GLT-4		HM	BB	8 3/4"	19/A510	19/A510		-	12	6,4
149A	5' - 0"	7' - 0"	1 3/4"	SCWD	L	GLT-4		HM	BB	8 3/4"	19/A510	19/A510			12	6
149B	3' - 4"	7' - 0"	1 3/4"	SCWD	B	GLT-25		HM	BB	8 3/4"	5/A512	6&7/A512	8/A512	90 MIN	15	4
150	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	HH	8 3/4"	19/A510	19/A510			46 BP4A1	4
151	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	HH	8 3/4"	19/A510	19/A510			46	4
152	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	6 3/4"	19/A510	19/A510			14	4
153	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	6 3/4"	19/A510	19/A510			14	4
154A	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	8 3/4"	19/A510	19/A510			14	4
154B	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	8 3/4"	19/A510	19/A510			14	4
155	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	6 3/4"	19/A510	19/A510			14	4
156	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	6 3/4"	19/A510	19/A510			14	4
BP4A1 160	6' - 0"	7' - 0"	1 3/4"	HM	D			HM	FF	8 3/4"	11/A512		12/A512		23	
200A	3' - 0"	7' - 0"	1 3/4"	ALUM	E	GLT-8		ALUM	LL	4 1/2"	19/A511	19/A511			16	5,1
200B	3' - 0"	7' - 0"	1 3/4"	ALUM	E	GLT-8		ALUM	LL	4 1/2"	19/A511	19/A511			16	5,1
200C	3' - 0"	7' - 0"	1 3/4"	ALUM	E	GLT-8		ALUM	RR	4 1/2"	19/A511	19/A511			17	1
200D	3' - 0"	7' - 0"	1 3/4"	ALUM	E	GLT-8		ALUM	RR	4 1/2"	19/A511	19/A511			17	1
200E	3' - 0"	7' - 0"	1 3/4"	ALUM	E			ALUM							18	1,3,5
201A	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	KK	5 7/8"	18/A511	18/A511			39	2
201B	6' - 0"	7' - 0"	1 3/4"	SCWD	D	GLT-4		HM	KK	5 7/8"	18/A511	18/A511			38	2
203	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	JJ	8 3/4"	19/A510	19/A510			8	
204A	3' - 0"	7' - 2"	1 3/4"	ALUM	E	GLT-8		ALUM	SS	4 1/2"	19/A511	19/A511			20	1,5,14
204B	3' - 0"	7' - 0"	1 3/4"	SCWD	G	GLT-4		HM	BB	6 3/4"	19/A510 SIM	19/A510 SIM			21	
205	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			13	
206	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			3	
207	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			13	
208	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			13	
209	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			4	
210	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	8 3/4"	9/A512		10/A512		22	7
213	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	8 3/4"	9/A512		10/A512		22	7
214A	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	5 7/8"	18/A511	18/A511			8	
214B	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			8	
215	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			4	
216	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			4	
217	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	6 3/4"	19/A510	19/A510			2	7
218	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			13	
219	2' - 4"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			13	
220	3' - 0"	7' - 0"	1 3/4"	SCWD	G	GLT-4		HM	BB	6 3/4"	19/A510	19/A510			2	
221	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			13	
BP4A2 222	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	8 3/4"	9/A512		10/A512		3	7
224	30' - 0"	9' - 4"							632						45	11
225	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	5 7/8"	18/A511	18/A511			3	
BP4A2 226	3' - 0"	7' - 0"	1 3/4"	SCWD	G	GLT-8		HM	BB	6 3/4"					47	15
228	3' - 0"	7' - 0"	1 3/4"	SCWD	B			HM	BB	8 3/4"	19/A510 SIM	19/A510 SIM			27	
229	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	6 3/4"	19/A510 SIM	19/A510 SIM			22	
231	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	6 3/4"	19/A510 SIM	19/A510 SIM			22	
233A	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			2	
233B	6' - 0"	4' - 2"		ROLL-UP CTR DR	K						6/A513	7/A513	8/A513			
234	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			3	
236	3' - 8"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511 SIM	18/A511 SIM			25	
237	3' - 0"	7' - 0"	1 3/4"	SCWD (EXISTG)				EXISTG	BB	5 3/4"					24	3
239	3' - 0"	7' - 0"	1 3/4"	IHM	A			HM	BB		13/A512	14/A512	15/A512		26	
241	3' - 0"	7' - 0"	1 3/4"	SCWD (EXISTG)				EXISTG	BB						8	3
242	3' - 0"	7' - 0"	1 3/4"	SCWD (EXISTG)				EXISTG	BB						8	3
243A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	6 3/4"	19/A510	19/A510			28	
243B	3' - 0"	7' - 0"	1 3/4"	SCWD (EXISTG)				EXISTG	BB	6 3/4"					27	3
244A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	6 3/4"	19/A510	19/A510		45 min	28	
244B	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"	18/A511	18/A511			29	2
245A	3' - 4"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	BB	5 3/4"					30	
245B	3' - 4"	7' - 0"	1 3/4"	SCWD	A			HM	AA	5 7/8"	18/A511	18/A511			31	
248	3' - 4"	7' - 0"	1 3/4"	EXISTG	A			EXISTG	BB						30	3
249A-A	6' - 0"	7' - 0"	1 3/4"	SCWD	C			HM	BB					90 MIN	32	
249B	8' - 0"	8' - 0"	2"	OHD	J	GLT-4										
249B-A	6' - 0"	7' - 0"	1 3/4"	SCWD	C			HM	AA						32	
249C	8' - 0"	8' - 0"	2"	OHD	J	GLT-4										
BP4A2 249D	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	AA						48	
250	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	AA	5 7/8"					2	
251A	3' - 0"	6' - 9"	1 3/4"	SCWD	A			HM	AA	8 3/4"	17/A511				27	12
251B	2' - 8"	7' - 0"	1 3/4"	SCWD	A			HM	AA	8 3/4"	19/A510 SIM	19/A510 SIM	9/A513	45 min	33	12
252A	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	8 3/4"	19/A510	19/A510		45 min	34	
252B	3' - 0"	6' - 9"	1 3/4"	SCWD	A			HM	AA	8 3/4"	17/A511				27	12
253A	3' - 0"	7' - 0"	1 3/4"	ALUM	E	GLT-12		ALUM	NN	6"	16/A512	17/A512	18/A512		35	
253B	3' - 0"	7' - 0"	1 3/4"	ALUM	E	GLT-12		ALUM	NN	6"	16/A512	17/A512	18/A512		35	
253C	3' - 0"	7' - 0"	1 3/4"	ALUM	E	GLT-12		ALUM	NN	6"	16/A512	17/A512	18/A512		35	
253D	3' - 0"	7' - 2"	1 3/4"	ALUM	E	GLT-4		ALUM	MM	4 1/2"	19/A512	19/A512 SIM	20/A512		35	
253E	3' - 0"	7' - 2"	1 3/4"	ALUM	E	GLT-4		ALUM	MM	4 1/2"	19/A512	19/A512 SIM	20/A512		35	
253F	3' - 0"	7' - 2"	1 3/4"	ALUM	E	GLT-4		ALUM	MM	4 1/2"	19/A512	19/A511	20/A512		35	
253G	3' - 0"	7' - 0"	1 3/4"	SCWD	A			HM	BB	6 3/4"				45 min	36	
254	6' - 0"	7' - 0"	1 3/4"	SCWD	C			HM	BB	6 3/4"				90 MIN	37	
254-A	6' - 0"	7' - 0"	1 3/4"	SCWD	D			HM	FF						37	
280A	3' - 0"	7' - 0"	1 3/4"	IHM	A			HM	TT	5 3/4"	3/A513	4/A513	5/A513		42	
280B	3' - 0"	7' - 0"	1 3/4"	IHM	A			HM	AA	5 7/8"	18/A511	18/A511			25	
300A-A	3' - 0"	7' - 0"	1 3/4"	EXISTG												8
300B-A	3' - 0"	7' - 0"	1 3/4"	EXISTG												8
300C-A	3' - 0"	7' - 0"	1 3/4"	EXISTG											43	8
301A	3' - 0"	7' - 0"	1 3/4"	SCWD	B	GLT-4		HM	KK	5 7/8"	18/A511	18/A511			39	2
301B	6' - 0"	7' - 0"	1 3/4"	SCWD	D	GLT-4		HM	KK	5 7/8"	18/A511	18/A511			38	2
302A-A	2' - 11"	7' - 0"	1 3/4"	EXISTG											43	1,8
302B-A	3' - 0"	7' - 0"	1 3/4"	EXISTG												8
302B-B	2' - 8"	7' - 0"	1 3/4"	SCWD	A			HM	AA					45 min		
302B-D	2' - 8"	7' - 0"	1 3/4"	SCWD	A			HM	AA					45 min		
302B-F	2' - 8"	7' - 0"	1 3/4"	SCWD	A			HM	AA					45 min		
302B-H	2' - 8"	7' - 0"	1 3/4"	SCWD	A			HM	AA					45 min		
302B-J	2' - 8"	7' - 0"	1 3/4"	SCWD	A			HM	AA					45 min		
304A-A	3' - 0"	7' - 0"	1 3/4"	EXISTG												8
304B-A	3' - 0"	7' - 0"	1 3/4"	EXISTG												8
306	3' - 0"	7' - 0"	1 3/4"	EXISTG												

DOOR SCHEDULE GENERAL NOTES

HM = HOLLOW METAL IHM = INSULATED HOLLOW METAL FBRGL= FIBERGLASS ALUM = ALUMINUM SCWD = SOLID CORE WOOD DOOR

A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS
B. ALL HM (HOLLOW METAL) AND IHM (INSULATED HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED
C. ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE
D. "A" SUFFIX INDICATES ALTERNATE

DOOR TYPES



DOOR SCHEDULE REMARKS

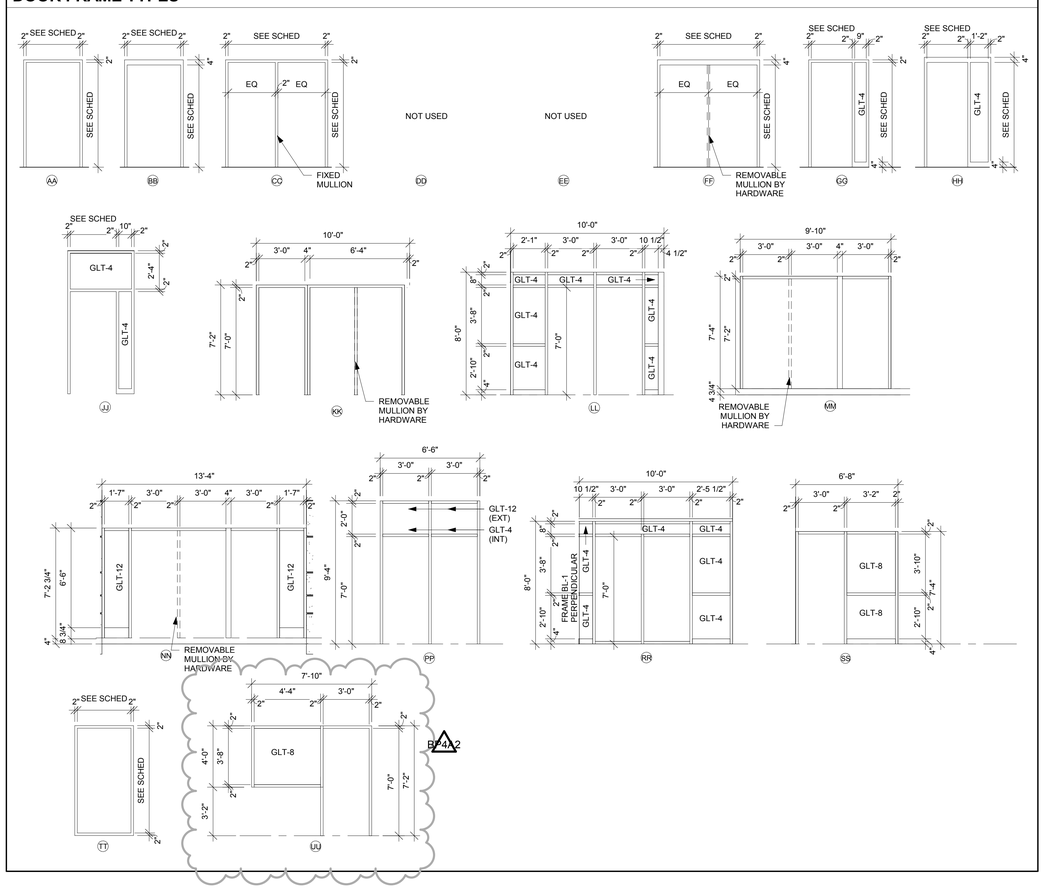
1. ELECTRONIC CARD ACCESS AND ELECTRONIC STRIKE REQUIRED.
2. MAGNETIC HOLD-OPENS TIED TO FIRE ALARM-SEE ELECTRICAL.
3. EXISTING DOOR AND FRAME. SEE SCHEDULE FOR NEW HARDWARE.
4. ACOUSTIC SEALS
5. POWER OPERATOR
6. PR. UNEVEN DOORS
7. NEW DOOR IN EXISTING OPENING
8. EXISTING DOOR TO RECEIVE SECURITY FILM.
9. -NOT USED-
10. MANUAL GLASS FOLDING PANEL PARTITION W/ ACCESIBLE DOOR.
11. MANUAL FOLDING PANEL PARTITION W/ PASSAGE DOOR.
12. TRIM 7'-0" HT DOOR TO REQUIRED HEIGHT.
13. -NOT USED-
14. PUSH BUTTON TO FRONT DESK
15. NEW DOOR IN EXISTING FRAME. (BP4A2)

DOOR FRAME GENERAL NOTES

HM = HOLLOW METAL IHM = INSULATED HOLLOW METAL ALUM = ALUMINUM

A. SEE SHEET A600 FOR ADDITIONAL FRAME TYPES
B. ALL HM (HOLLOW METAL) AND IHM (INSULATED HOLLOW METAL) FRAMES SHALL BE PAINTED.

DOOR FRAME TYPES



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

Sheet Title: DOOR SCHEDULE

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: MPL

Key Plan:

Revisions:

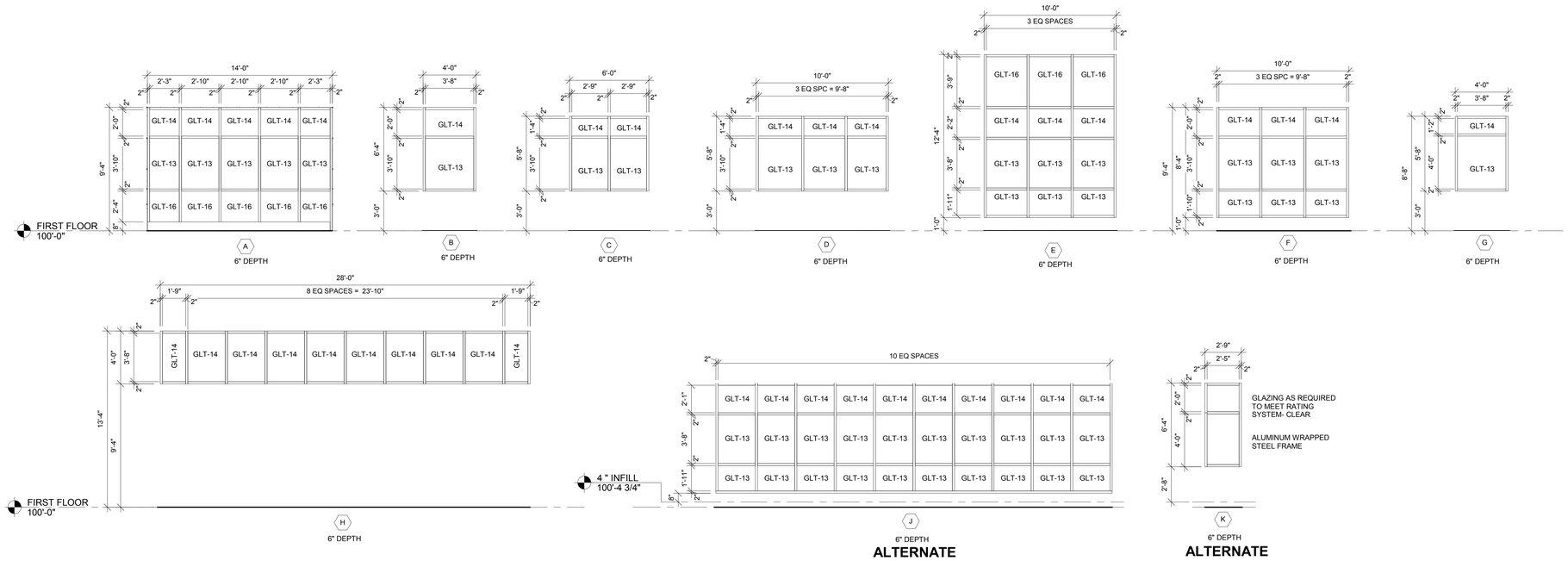
No.	Description	Date
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/3/2019 8:56:14 AM

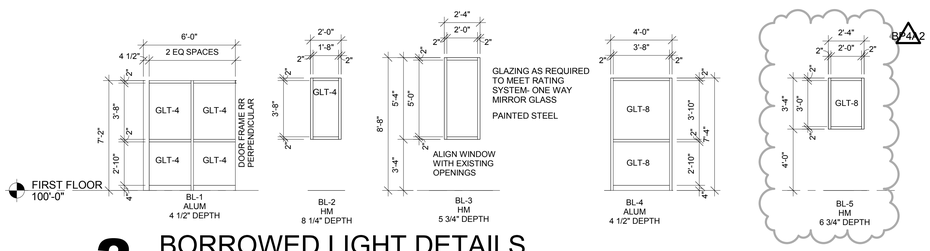
BID PACKAGE 4

A600R1



1 EXTERIOR ALUM FRAME ELEVATIONS

1/4" = 1'-0"



2 BORROWED LIGHT DETAILS

1/4" = 1'-0"

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100 MILWAUKEE STREET
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PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

Sheet Title: **FRAME ELEVATIONS**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **MPL**

Key Plan:

Revisions:

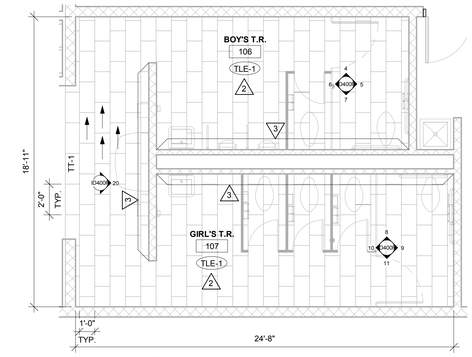
No.	Description	Date
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

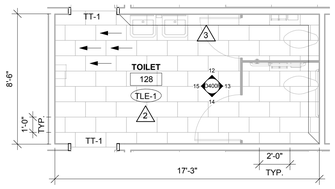
Last Update: **1/3/2019 8:56:17 AM**

BID PACKAGE 4

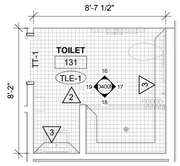
A602R



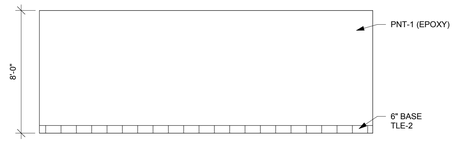
1 ENLARGED TILE PATTERN
1/4" = 1'-0" ROOM 106/107 FLOOR PATTERN



2 ENLARGED TILE PATTERN
1/4" = 1'-0" ROOM 128 FLOOR PATTERN

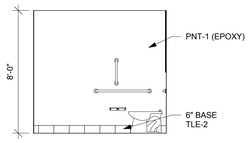


3 ENLARGED TILE PATTERN
1/4" = 1'-0" ROOM 131 FLOOR PATTERN



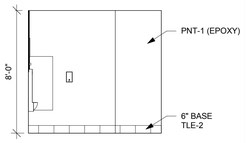
4 TILE ELEV.
1/4" = 1'-0" RESTROOM 106

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



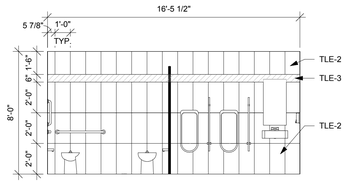
5 TILE ELEV.
1/4" = 1'-0" RESTROOM 106

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



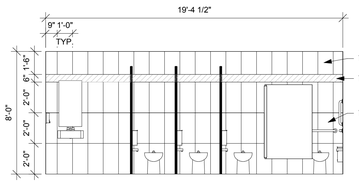
6 TILE ELEV.
1/4" = 1'-0" RESTROOM 106

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



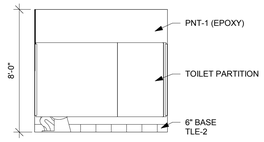
7 TILE ELEV.
1/4" = 1'-0" RESTROOM 106

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



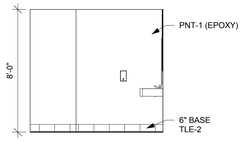
8 TILE ELEV.
1/4" = 1'-0" RESTROOM 107

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



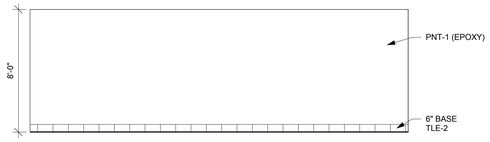
9 TILE ELEV.
1/4" = 1'-0" RESTROOM 107

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



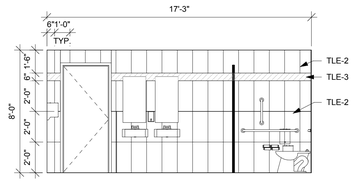
10 TILE ELEV.
1/4" = 1'-0" RESTROOM 107

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



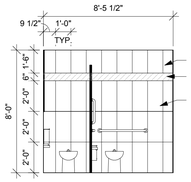
11 TILE ELEV.
1/4" = 1'-0" RESTROOM 107

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



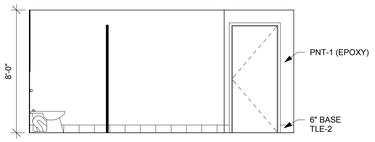
12 TILE ELEV.
1/4" = 1'-0" RESTROOM 128

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



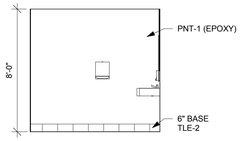
13 TILE ELEV.
1/4" = 1'-0" RESTROOM 128

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



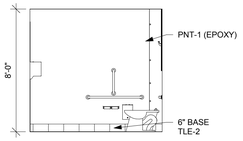
14 TILE ELEV.
1/4" = 1'-0" RESTROOM 128

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



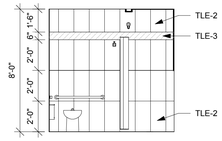
15 TILE ELEV.
1/4" = 1'-0" RESTROOM 128

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



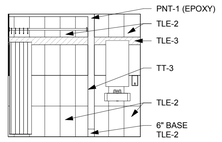
16 TILE ELEV.
1/4" = 1'-0" RESTROOM 131

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



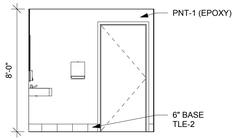
17 TILE ELEV.
1/4" = 1'-0" RESTROOM 131

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



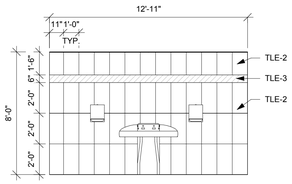
18 TILE ELEV.
1/4" = 1'-0" RESTROOM 131

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



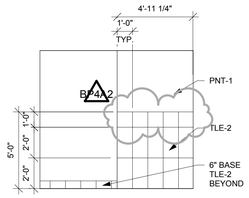
19 TILE ELEV.
1/4" = 1'-0" RESTROOM 131

*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES

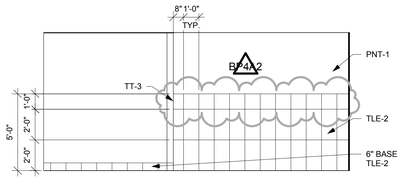


20 TILE ELEV.
1/4" = 1'-0" RESTROOM 106/107

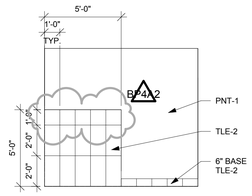
*FOR TILE PATTERN ONLY - SEE A400
FOR FIXTURES AND ACCESSORIES



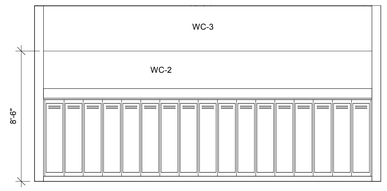
21 TILE ELEV.
1/4" = 1'-0" 236



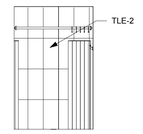
22 TILE ELEV.
1/4" = 1'-0" 236



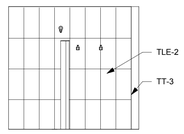
23 TILE ELEV.
1/4" = 1'-0" 236



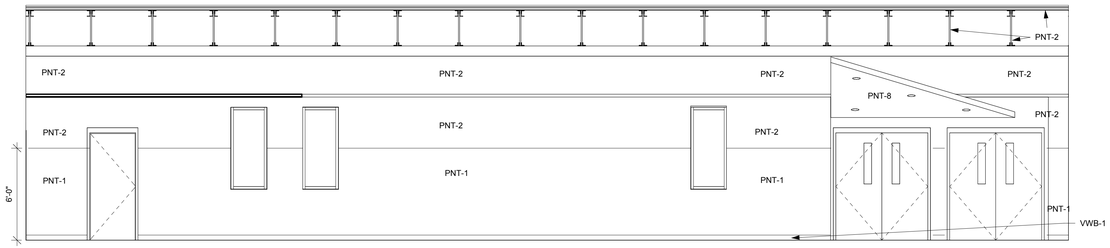
24 ID HALLWAY ELEV.
1/4" = 1'-0"



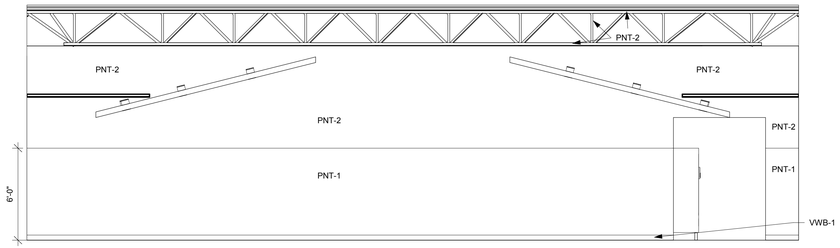
25 TILE ELEV.
1/4" = 1'-0" 211, 212



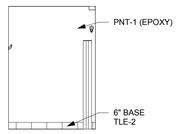
26 TILE ELEV.
1/4" = 1'-0" 211, 212



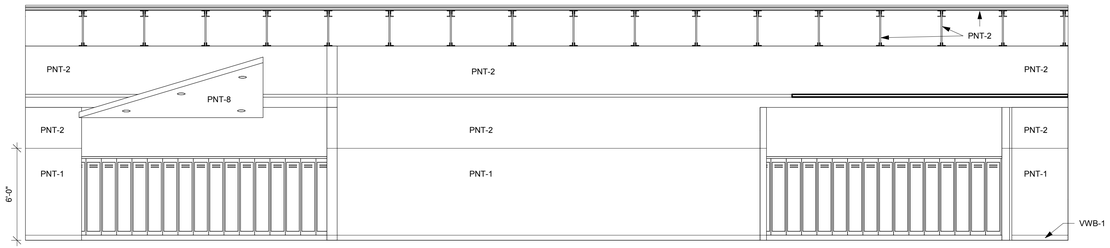
27 CAFETERIA N
1/4" = 1'-0"



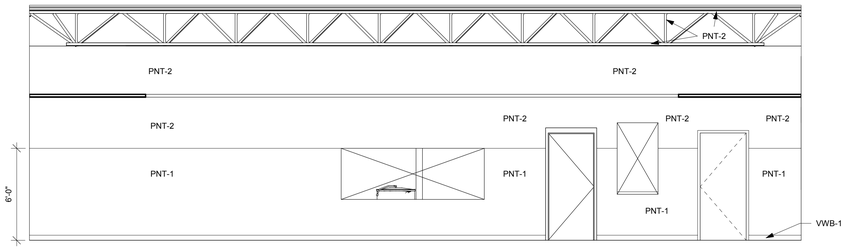
28 CAFETERIA E
1/4" = 1'-0"



29 TILE ELEV.
1/4" = 1'-0" 211, 212



30 CAFETERIA S
1/4" = 1'-0"



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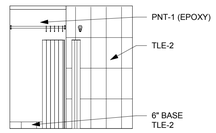

32 TILE ELEV.
1/4" = 1'-0" 211,212

ARCHITECTURE
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Consultant:

Project Title: PRENTICE SCHOOL DISTRICT
ADDITION AND REMODELING

Project Location: 1025 Town Street
Prentice, WI 54556

Sheet Title: ENLARGED FINISH PLANS & ELEVATIONS

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: SB

Key Plan:

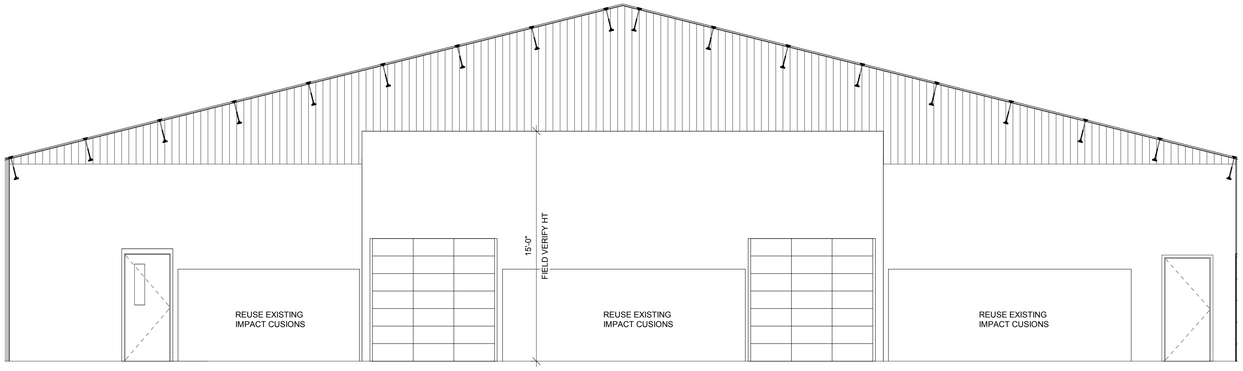
Revisions:

No.	Description	Date
BP4A2	ADD 2	01-02-19

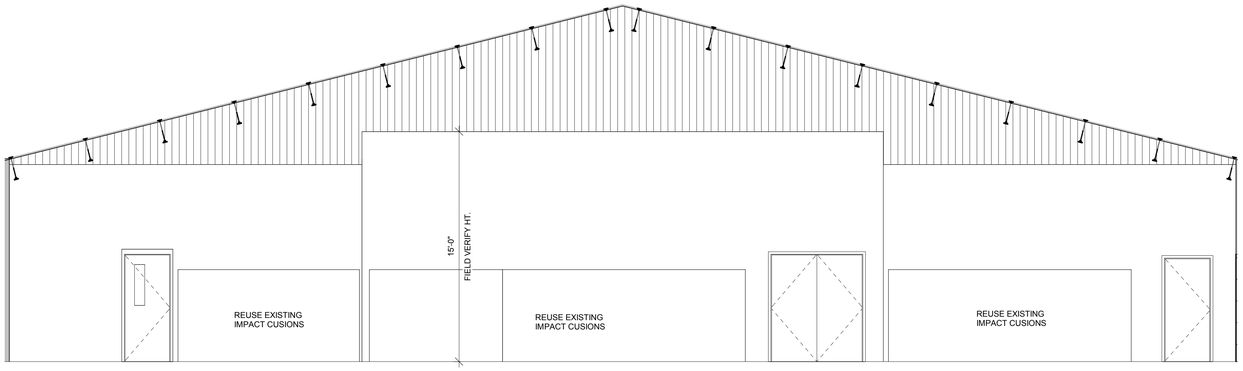
Graphic Scale: VARIES

Last Update: 1/3/2019 8:56:19 AM

ID400R



1 GYM ELEVATION NORTH- BASE BID
1/4" = 1'-0"



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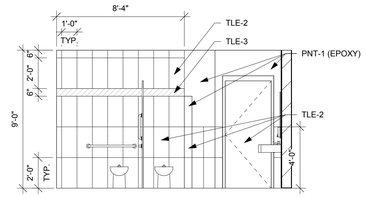
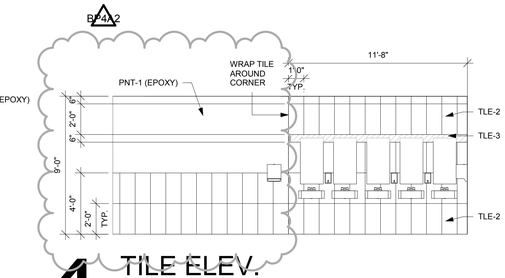


3 TILE ELEV.
1/4" = 1'-0" 229



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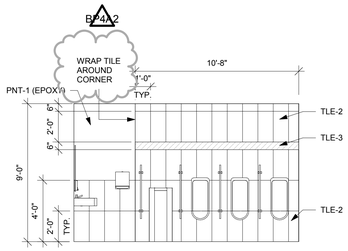
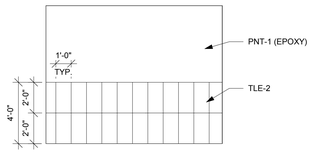


5 TILE ELEV.
1/4" = 1'-0" 229



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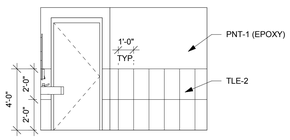

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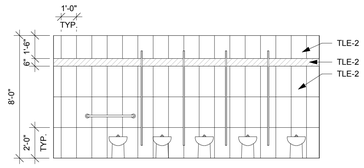
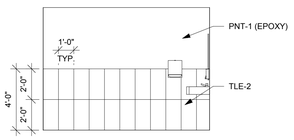
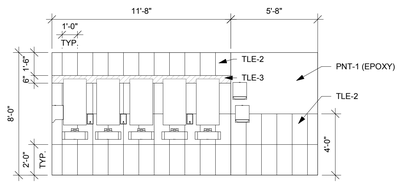


8 TILE ELEV.
1/4" = 1'-0" 231



9 TILE ELEV.
1/4" = 1'-0" 231



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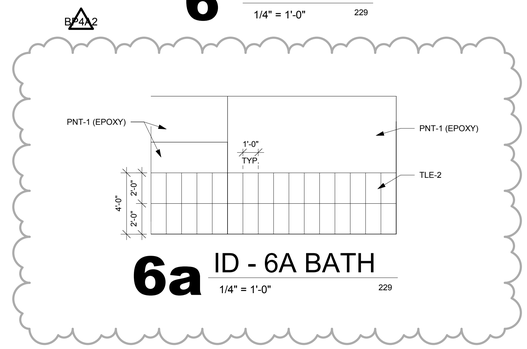
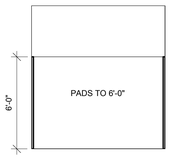


6a ID - 6A BATH
1/4" = 1'-0" 229

11 SENSORY N
1/4" = 1'-0" 226



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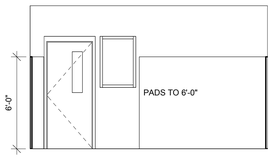
1/4" = 1'-0" 226



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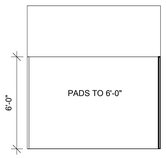

14 SENSORY W
1/4" = 1'-0" 226

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Consultant:

Project Title: PRENTICE SCHOOL DISTRICT
ADDITION AND REMODELING

Project Location: 1025 Town Street
Prentice,WI 54556

Sheet Title: ENLARGED FINISH PLANS & ELEVATIONS

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: SB

Key Plan:

Revisions:

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BP4A2	ADD 2	01-02-19

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Last Update: 1/3/2019 8:56:23 AM

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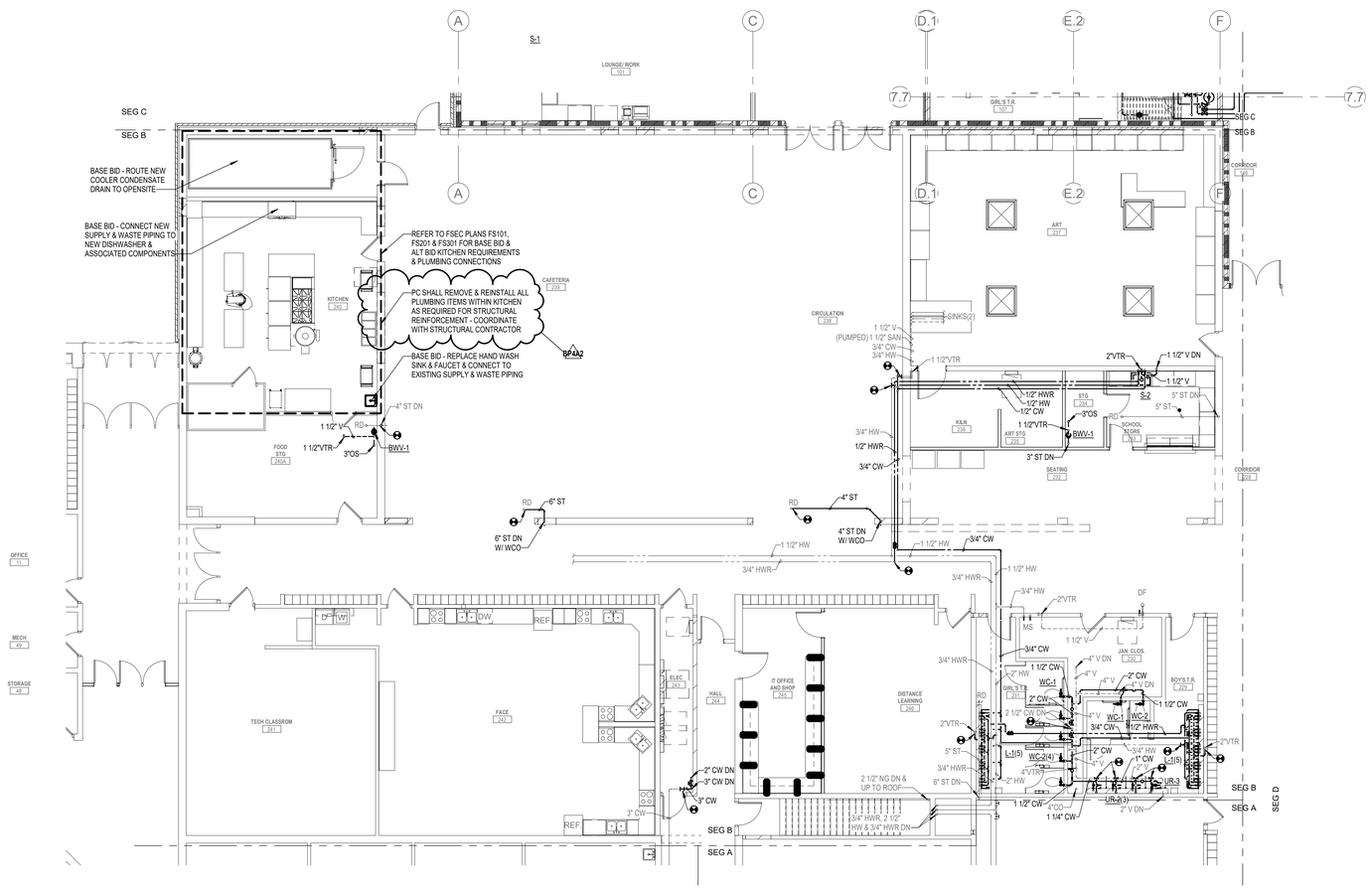

1 AG PLUMBING PLAN - UNIT B

1/8" = 1'-0"

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

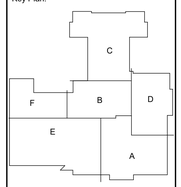
Sheet Title: PLBG PLAN - AG - BID PACK 4 - UNIT B

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: NCF

Key Plan:



Revisions:

No.	Description	Date
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 01/02/19 9:15:38 AM

BID PACKAGE 4

P412R1

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 & LOCAL UTILITY. E.C. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
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 SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. 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. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
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 CABLING AND DEVICES FOR STANDARD INFORMATION OUTLETS AND 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. EC SHALL INCLUDE IN BID AN ALLOWANCE FOR OWNER TO ADD (20) RECEPTACLES DURING CONSTRUCTION WALK THROUGH. ASSUME NOT MORE THAN (4) NEW CIRCUITS. CIRCUITS WILL BE PULLED FROM THE NEAREST AVAILABLE NORMAL POWER PANEL.
14. EC SHALL INCLUDE IN BID AN ALLOWANCE FOR THE OWNER TO ADD (15) DATA OUTLETS AND CABLING AT WALKTHROUGH. ASSUME AVERAGE CABLING DISTANCE TO BE 100'.
15. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW CUTTING.

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. EQUIPMENT OUTLET MOUNTED ABOVE CEILING
- SP — CEILING MOUNTED SPEAKER
- SP — WALL MOUNTED SPEAKER
- SC — SPEAKER VOLUME CONTROL
- MC — MICROPHONE OUTLET
- DA — DIRECT ADX OUTLET W/ VOLUME CONTROL
- TV — TELEVISION OUTLET

POWER

- PANEL BOARD
- DISTRIBUTION PANEL BOARD
- DISCONNECT
- FUSED DISCONNECT SWITCH
- MOTOR STARTER/CONTACTOR
- COMBINATION MOTOR STARTER
- PUSH BUTTON STATION AS NOTED
- J-BOX
- FB — FLOOR BOX
- ELECTRICAL EQUIPMENT CONNECTION
- MOTOR CONNECTION
- CABLE TRAY RUN
- HOME RUN TO PANEL BOARD

SECURITY

- CCC — CLOSED CIRCUIT CAMERA (CCC)
- CR — CARD READER
- ES — ELECTRIC STRIKE
- EL — ELECTRIC LATCH
- ML — MAGNETIC LOCK
- DE — DELAYED EGRESS (TIED TO INFANT ABDUCTION SYSTEM OR ED LOCK DOWN PUSH BUTTON)
- DS — DOOR SECURITY POWER SUPPLY (CONNECT TO AUTO OPERATOR CIRCUIT)
- DR — DOOR RELEASE (INTERUPT POWER TO HOLD OPEN DEVICE)
- DP — DOOR POSITION SWITCH
- MD — MOTION DETECTOR

LIGHTING

- FIXTURE TYPE PER SCHEDULE; A; 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
- $LOx — LOW VOLTAGE LIGHTING OVER-RIDE SWITCH
- $P — PILOT LIGHT
- OS — CEILING MTD OCC. SENSOR
- PC — PHOTOCELL

FIRE ALARM

- MANUAL PULL STATION 46" A.F.F. CENTER
- VISUAL ONLY 84" A.F.F. TO CENTER 15CD, 30CD, 75CD, 110CD
- AUDIO/VISUAL 84" A.F.F. TO CENTER 15CD, 30CD, 75CD, 110CD
- SMOKE DETECTOR
- HD — HEAT DETECTOR
- DD — DUCT DETECTOR
- FS — SPRINKLER FLOW SWITCH
- TS — TAMPER FLOW SWITCH
- CM — FIRE ALARM CONTROL MODULE
- MM — FIRE ALARM MONITOR MODULE
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL

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		

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP	LOAD	NOTES
A	2X4 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND > 80 CRI	COLUMBIA	LSER24-40MLG-C-EDU	LED 4870 LUMEN	42 VA	
A2	2X4 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND > 80 CRI	COLUMBIA	LESER24-40LWG-C-EDU	LED 4095 LUMEN	34 VA	
A2E	2X4 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND > 80 CRI PROVIDE WITH 1400 LUMEN BATTERY BACK-UP	COLUMBIA	LESER24-40LWG-C-EDU-EL14	LED 4095 LUMEN	34 VA	
A3	2X4 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND HIGH CRI > 90	COLUMBIA	LSER24-40MLG-C-ESDU	LED 4095 LUMEN	42 VA	PROVIDE HIGH CRI >90
B	2X4 LED LAY-IN TROFFER A12 .125" LENS. 0-10V DIMMING AND > 80 CRI	COLUMBIA	LJT24-40LWG-FSA12125-EDU	LED 4334 LUMEN	34 VA	
B2	2X4 LED LAY-IN TROFFER A19 .156" LENS. 0-10V DIMMING, > 80 CRI DOOR/HOUSING,LENS/DOOR GASKETTING	COLUMBIA	LJT24-40LWG-FSA12125-EDU-G 2	LED 4334 LUMEN	34 VA	
B2E	2X4 LED LAY-IN TROFFER A19 .156" LENS. 0-10V DIMMING, > 80 CRI DOOR/HOUSING,LENS/DOOR GASKETTING. PROVIDE WITH INTEGRAL BATTERY PACK	COLUMBIA	LJT24-40LWG-FSA12125-EDU-G 2-EL14	LED 4334 LUMEN	34 VA	
B3	2X4 LED LAY-IN TROFFER A19 .156" LENS. 0-10V DIMMING, > 80 CRI DOOR/HOUSING,LENS/DOOR GASKETTING	COLUMBIA	LJT24-40MLG-FSA12125-EDU	LED 4800 LUMEN	39 VA	
B3E	2X4 LED LAY-IN TROFFER A19 .156" LENS. 0-10V DIMMING, > 80 CRI DOOR/HOUSING,LENS/DOOR GASKETTING. PROVIDE WITH 1400 LUMEN BATTERY BACK-UP	COLUMBIA	LJT24-40MLG-FSA12125-EDU-E L14	LED 4800 LUMEN	39 VA	
B4	2X4 LED LAY-IN TROFFER A19 .156" LENS. 0-10V DIMMING, > 80 CRI DOOR/HOUSING,LENS/DOOR GASKETTING	COLUMBIA	LJT24-40MWG-FSA12125-EDU	LED 3946 LUMEN	31 VA	
B5	2X4 LED LAY-IN TROFFER A12 .125" LENS. 0-10V DIMMING AND > 80 CRI PROVIDE WITH 1400 LUMEN BATTERY BACK-UP	COLUMBIA	LJT24-40LWG-FSA12125-EDU-E L14	LED 4334 LUMEN	34 VA	
C	2x2 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND > 80 CRI	COLUMBIA	LSER22-40MLG-C-EDU	LED 3498 LUMEN	32 VA	
C2	2x2 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND > 80 CRI	COLUMBIA	LSER22-40LWG-C-EDU	LED 2505 LUMEN	25 VA	
C2E	2x2 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND > 80 CRI PROVIDE WITH 1400 LUMEN BATTERY BACK-UP	COLUMBIA	LESER22-40LWG-C-EDU-EL14	LED 2505 LUMEN	25 VA	
CE	2x2 RECESSED LED WITH CONTOUR CENTER LENS 0-10V DIMMING AND > 80 CRI PROVIDE WITH 1400 LUMEN BATTERY BACK-UP	COLUMBIA	LSER22-40MLG-C-EDU-EL14	LED 3498 LUMEN	32 VA	
D	1X4 LED LAY-IN TROFFER WITH CONTOUR CENTER LENS 0-10V DIMMING AND >80 CRI	COLUMBIA	LSER14-40LWG-C-EDU	LED 3539 LUMEN	34 VA	
EXIT	UNIVERSAL LED EXIT SIGN WITH INTEGRAL BATTERY BACK-UP AND SELF DIAGNOSTICS. SEE PLANS FOR FACES AND CHEVERON CONFIGURATION.	DUAL LITE	EVE-U-R-W-E-I	LED	10 VA	
F	2X2 LED LAY-IN TROFFER A12 .125" LENS 0-10V DIMMING AND >80 CRI	COLUMBIA	LJT22-40MLG-FSA12125-EDU	LED 3200 LUMEN	32 VA	
FE	2X2 LED LAY-IN TROFFER A12 .125" LENS 0-10V DIMMING AND >80 CRI. PROVIDE WITH 1400 LUMEN BATTERY BACK-UP	COLUMBIA	LJT22-40MLG-FSA12125-EDU-E L14	LED 3200 LUMEN	32 VA	
G	3" X 4.5" EXTRUDED ALUMINUM LED LINEAR DIRECT PENDANT. INDIVIDUAL FIXTURES SHALL BE 4' LONG. WHERE SHOWN IN CONTINUOUS RUNS, PROVIDE CONTINUOUS RUNS TO GREATEST EXTENT POSSIBLE TO ELIMINATE SEAMS. ADJUST SUSPENSION KIT AS REQUIRED FOR MOUNTING HEIGHTS SHOWN ON PLAN	LITECONTROL	3L-P-D-SOF-C1-40K-D045-D01-1 C-120-FA1	LED 450 LUMEN/FT	16 VA	
G1	3" X 4.5" EXTRUDED ALUMINUM LED LINEAR DIRECT PENDANT. INDIVIDUAL FIXTURES SHALL BE 4' LONG. WHERE SHOWN IN CONTINUOUS RUNS, PROVIDE CONTINUOUS RUNS TO GREATEST EXTENT POSSIBLE TO ELIMINATE SEAMS. ADJUST SUSPENSION KIT AS REQUIRED FOR MOUNTING HEIGHTS SHOWN ON PLAN	LITECONTROL	3L-P-D-SOF-C1-40K-D060-D01-1 C-120-FA1	LED 600 LUMEN/FT	21 VA	
G1E	3" X 4.5" EXTRUDED ALUMINUM LED LINEAR DIRECT PENDANT WITH INTEGRAL BATTERY BACK-UP. INDIVIDUAL FIXTURES SHALL BE 4' LONG. WHERE SHOWN IN CONTINUOUS RUNS, PROVIDE CONTINUOUS RUNS TO GREATEST EXTENT POSSIBLE TO ELIMINATE SEAMS. ADJUST SUSPENSION KIT AS REQUIRED FOR MOUNTING HEIGHTS SHOWN ON PLAN	LITECONTROL	3L-P-D-SOF-C1-40K-D060-D01-1 C-120-FA1-ICP7	LED 600 LUMEN/FT	21 VA	
GE	3" X 4.5" EXTRUDED ALUMINUM LED LINEAR DIRECT PENDANT WITH INTEGRAL BATTERY BACK-UP. INDIVIDUAL FIXTURES SHALL BE 4' LONG. WHERE SHOWN IN CONTINUOUS RUNS, PROVIDE CONTINUOUS RUNS TO GREATEST EXTENT POSSIBLE TO ELIMINATE SEAMS. ADJUST SUSPENSION KIT AS REQUIRED FOR MOUNTING HEIGHTS SHOWN ON PLAN	LITECONTROL	3L-P-D-SOF-C1-40K-D045-D01-1 C-120-FA1-ICP7	LED 450 LUMEN/FT	16 VA	
H	RECESSED DOWNLIGHT 6" NON-IC RATED CLEAR ALZAK REFLECTOR DIMMABLE TO 10%	PRESCOLITE	LF6SL-6LFSL-11L40K8 WT	LED 1100 LUMEN	13 VA	
H1	RECESSED DOWNLIGHT 6" NON-IC RATED CLEAR ALZAK REFLECTOR DIMMABLE TO 10%	PRESCOLITE	LF6SL-6LFSL-15L40K8 WT	LED 1500 LUMEN	16 VA	
H1E	RECESSED DOWNLIGHT 6" NON-IC RATED CLEAR ALZAK REFLECTOR DIMMABLE TO 10%. PROVIDE WITH INTEGRAL BATTERY BACK-UP.	PRESCOLITE	LF6SL-6LFSL-15L40K8 WT	LED 2000 LUMEN	16 VA	
HE	SAME AS TYPE H. PROVIDE WITH INTEGRAL BATTERY BACK-UP.	PRESCOLITE	LF6SLEM-6LFSLEM-11L40K8 WT	LED 1100 LUMEN	13 VA	
J	WET LISTED DOWNLIGHT	PRESCOLITE	LC6SL-6LCSL-10L-40K-8	LED 1100 LUMEN	16 VA	
K1	12' 3 CIRCUIT 120V WHITE TRACK. PROVIDE WITH ALL NECESSARY CONNECTORS AND FEEDS AS REQUIRED FOR COMPLETE INSTALLATION. TRACK SHALL BE HUNG FROM ANGLED SUSPSPENDED CEILING. PROVIDE WITH QUANTITY OF HEADS SHOWN ON PLANS. PROVIDE EACH HEAD WITH LUVER AND SNOOT	SPECTRAC	TRACK: XTSC HEADS: STT4XT 20L 40HK MD DS10-1-TP3-MW-SO35-SN35	LED 2000 LUMEN	900 VA	PROVIDE HIGH CRI >90
K2	12' 2 CIRCUIT 120V WHITE TRACK. PROVIDE WITH ALL NECESSARY CONNECTORS AND FEEDS AS REQUIRED FOR COMPLETE INSTALLATION. TRACK SHALL BE HUNG FROM BUILDING STRUCTURE. PROVIDE WITH QUANTITY OF HEADS SHOWN ON PLANS. PROVIDE EACH HEAD WITH PATTERN HOLDER (4MPH) AND COLOR FRAME (4MCF) ACCESSORIES.	TRACK: EUTRAC/HALO HEADS: ETC	230-301 459-403 4M19LG-1-T/AD1	LED 500 LUMEN	900 VA	PROVIDE HIGH CRI >90
L	1X4 LED LAY-IN TROFFER A19 .156" LENS. 0-10V DIMMING, > 80 CRI DOOR/HOUSING,LENS/DOOR GASKETTING	COLUMBIA	LJT14-40MLG-FSA12125-EDU	LED 4800 LUMEN	39 VA	
R	4' LED STRIP LIGHT WITH LENS. PROVIDE 36" CHAINS FOR HANGING FIXTURE	LITHONIA		LED 3000 LUMEN		
SA	LED TRAPEZOID WALL PACK WITH BUTTON PHOTOSENSOR ANDEMERGENCY BATTERY BACK-UP BATTERY RATED FOR -20 DEGREES C	SPAULDING	LMC-30L1-4K-3-035-2-BBU-PC	LED 3972 LUMEN	35 VA	
SB	PEDESTRIAN SCALE LED RECTANGULAR POLE MOUNTED SITE AREA LIGHT 4000K TYPE 3 WITH BACKLIGHT CONTROL DARK BRONZE WITH SQUARE STRAIGHT ALUMINUM POLE TO MATCH. THICKNESS RATED AT 90 MHP FOR EPA OF FIXTURE	FIXTURE: HUBBELL POLE: HUBBELL	CL1S-A-16 U-4K-3-DB SSA-S-16-40-A	LED 3,971 LUMEN	38 VA	
SC	LED RECTANGULAR POLE MOUNTED SITE AREA LIGHT 4000K TYPE 4 WITH BACKLIGHT CONTROL DARK BRONZE WITH 20' SQUARE STRAIGHT ALUMINUM POLE TO MATCH. THICKNESS RATED AT 90MPH FOR EPA OF FIXTURE	FIXTURE: HUBBELL POLE: HUBBELL	CL1-A-60L U-4K-4-DB-BC SSA-S-20-40-B	LED 15,306 LUMEN	135 VA	

BP4A2

ELECTRICAL SHEET INDEX

E120	POWER PLAN - OVERALL
E003R1	ELECTRICAL COVER SHEET
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ED103R2	ELECTRICAL DEMOLITION PLAN - UNIT D
ED601R2	ELECTRICAL RISER DIAGRAM - DEMOLITION
E110	ELECTRICAL SITE PLAN
E111R1	LIGHTING PLAN - UNIT A
E112R1	LIGHTING PLAN - UNIT B
E113R1	LIGHTING PLAN - UNIT C
E114R2	LIGHTING PLAN - UNIT D
E115	LIGHTING PLAN - MEZZANINE
E121R1	POWER PLAN - UNIT A
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E141	DOOR ACCESS & INTRUSION DETECTION PLAN - UNIT A
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E144R1	DOOR ACCESS & INTRUSION DETECTION PLAN - UNIT D
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E146	DOOR ACCESS & INTRUSION DETECTION PLAN - UNIT F
E501R1	ELECTRICAL DETAILS
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E503R1	ELECTRICAL DETAILS
E601R2	ELECTRICAL RISER DIAGRAM
E701R2	ELECTRICAL SCHEDULES
E702R2	ELECTRICAL SCHEDULES
E703R1	ELECTRICAL SCHEDULES
E704R2	ELECTRICAL SCHEDULES

BID PACKAGE 4

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

Sheet Title: ELECTRICAL COVER SHEET

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:

Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:54:33 PM

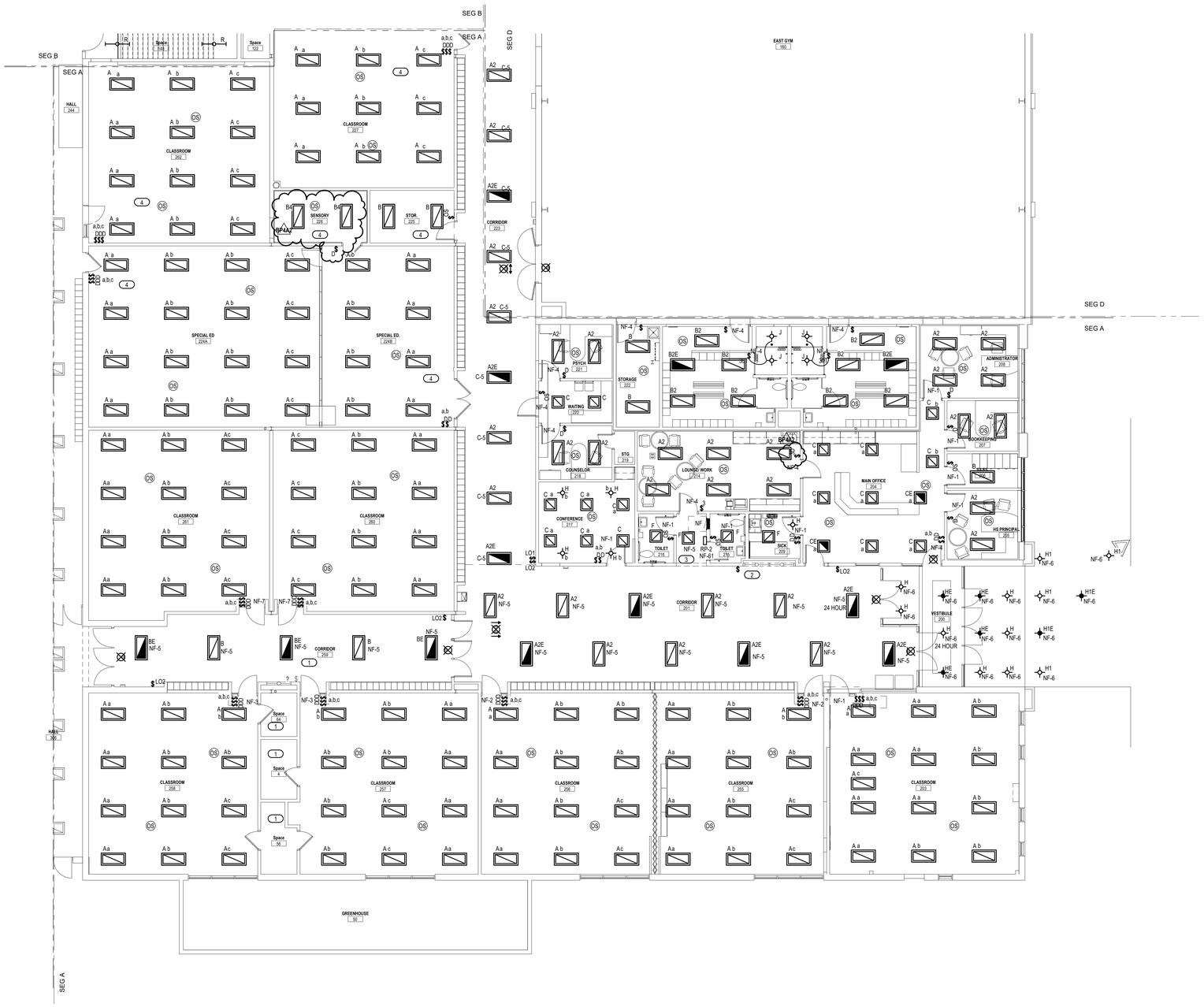
E003R1

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. CONNECT EXIT LIGHTS TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
3. CONNECT EGRESS LIGHTS UNIT BATTERY TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
4. OCCUPANCY SENSORS ARE SHOWN FOR DESIGN INTENT. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL QUANTITIES AND LOCATIONS PER MANUFACTURER'S RECOMMENDATION FOR COMPLETE COVERAGE OF CONTROLLED AREA.

KEYED NOTES

1. CONNECT EXISTING LIGHTING TO NEW LOCAL ROOM LIGHTING CIRCUIT.
2. CONNECT EXISTING LIGHTING TO NEW SWITCH AND NEW LOCAL LIGHTING CIRCUIT.
3. LOCATE RELAY PANEL ABOVE ACCESSIBLE CEILING.
4. CONNECT NEW LIGHTING AND CONTROLS TO EXISTING LOCAL LIGHTING CIRCUIT. EC SHALL LIMIT CIRCUIT LOAD TO 10 AMPS. SEE SHEET E112 FOR EXISTING PANEL LOCATION.



1 **FIRST FLOOR - LIGHTING PLAN - UNIT A**

1/8" = 1'-0"

NORTH

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: 1025 Town Street Prentice,WI 54556

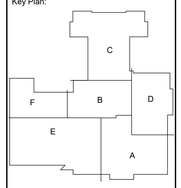
Sheet Title: **LIGHTING PLAN - UNIT A**

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:54:39 PM

BID PACKAGE 4

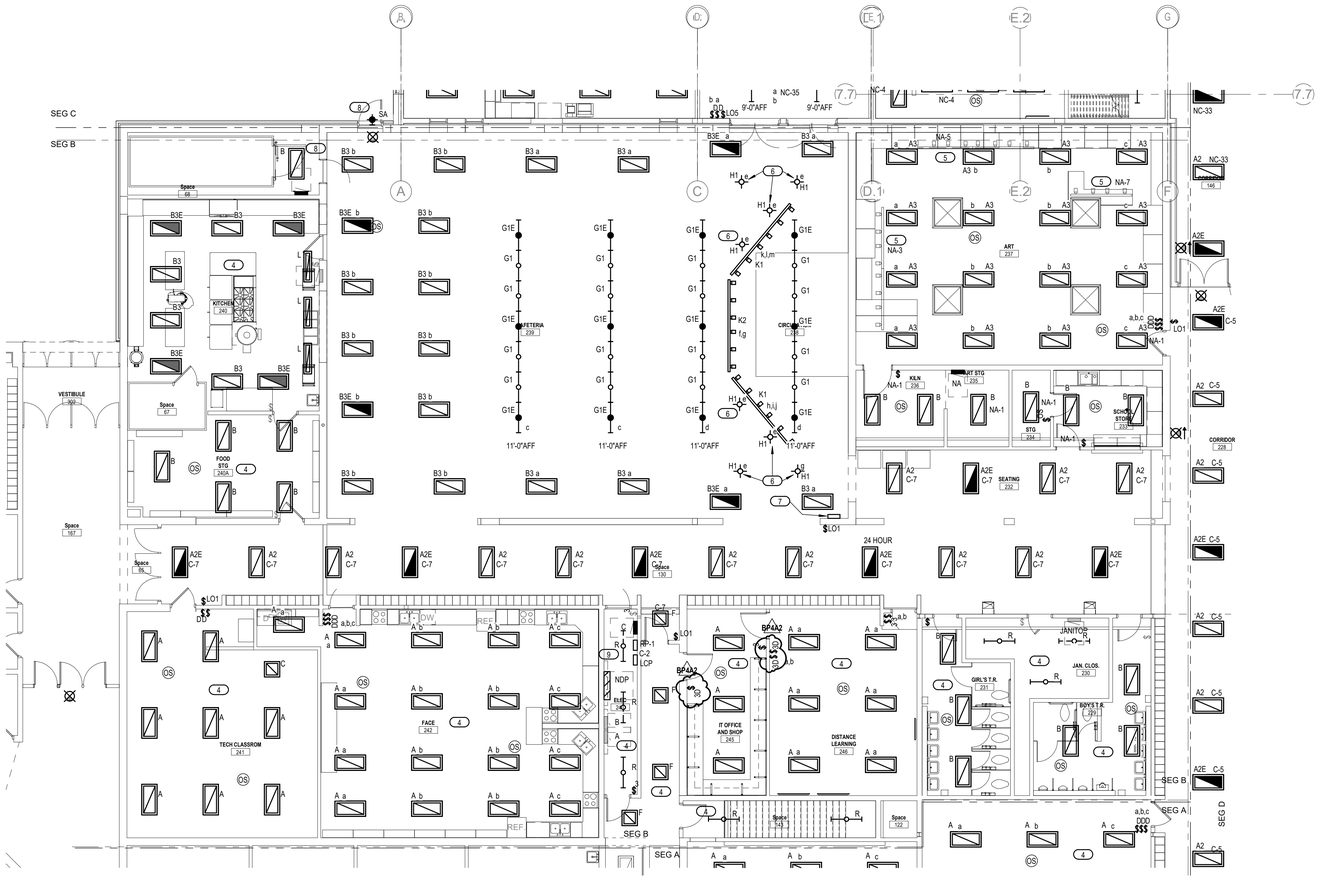
E111R1

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. CONNECT EXIT LIGHTS TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
3. CONNECT EGRESS LIGHTS UNIT BATTERY TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
4. OCCUPANCY SENSORS ARE SHOWN FOR DESIGN INTENT. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL QUANTITIES AND LOCATIONS PER MANUFACTURER'S RECOMMENDATION FOR COMPLETE COVERAGE OF CONTROLLED AREA.

KEYED NOTES

1. CONNECT EXISTING LIGHTING TO NEW LOCAL ROOM LIGHTING CIRCUIT.
2. CONNECT EXISTING LIGHTING TO NEW SWITCH AND NEW LOCAL LIGHTING CIRCUIT.
3. LOCATE RELAY PANEL ABOVE ACCESSIBLE CEILNG.
4. CONNECT NEW LIGHTING AND CONTROLS TO EXISTING LOCAL LIGHTING CIRCUIT. EC SHALL LIMIT CIRCUIT LOAD TO 10 AMPS.
5. RE-INSTALL EXISTING TRACK LIGHTING IN NEW CEILING.
6. PROVIDE 15 DEGREE SLOPE CEILING ADAPTER FOR DOWNLIGHT.
7. LIGHTING CONTROL STATION FOR CAFETERIA. PROVIDE 12 SCENE PROGRAMMABLE UNIT WITH DIMMING CAPABILITY FOR EACH SWITCH ZONE.
8. CONNECT NEW LIGHTING TO EXISTING KITCHEN LIGHTING CIRCUIT.
9. LOCATE LIGHTING CONTROL PANEL PHOTOSENSOR ON ROOF ABOVE. CONNECT TO LIGHTING CONTROL PANEL RP-1.



1 **FIRST FLOOR - LIGHTING PLAN - UNIT B**

1/8" = 1'-0"

NORTH

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

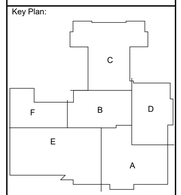
Sheet Title: **LIGHTING PLAN - UNIT B**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

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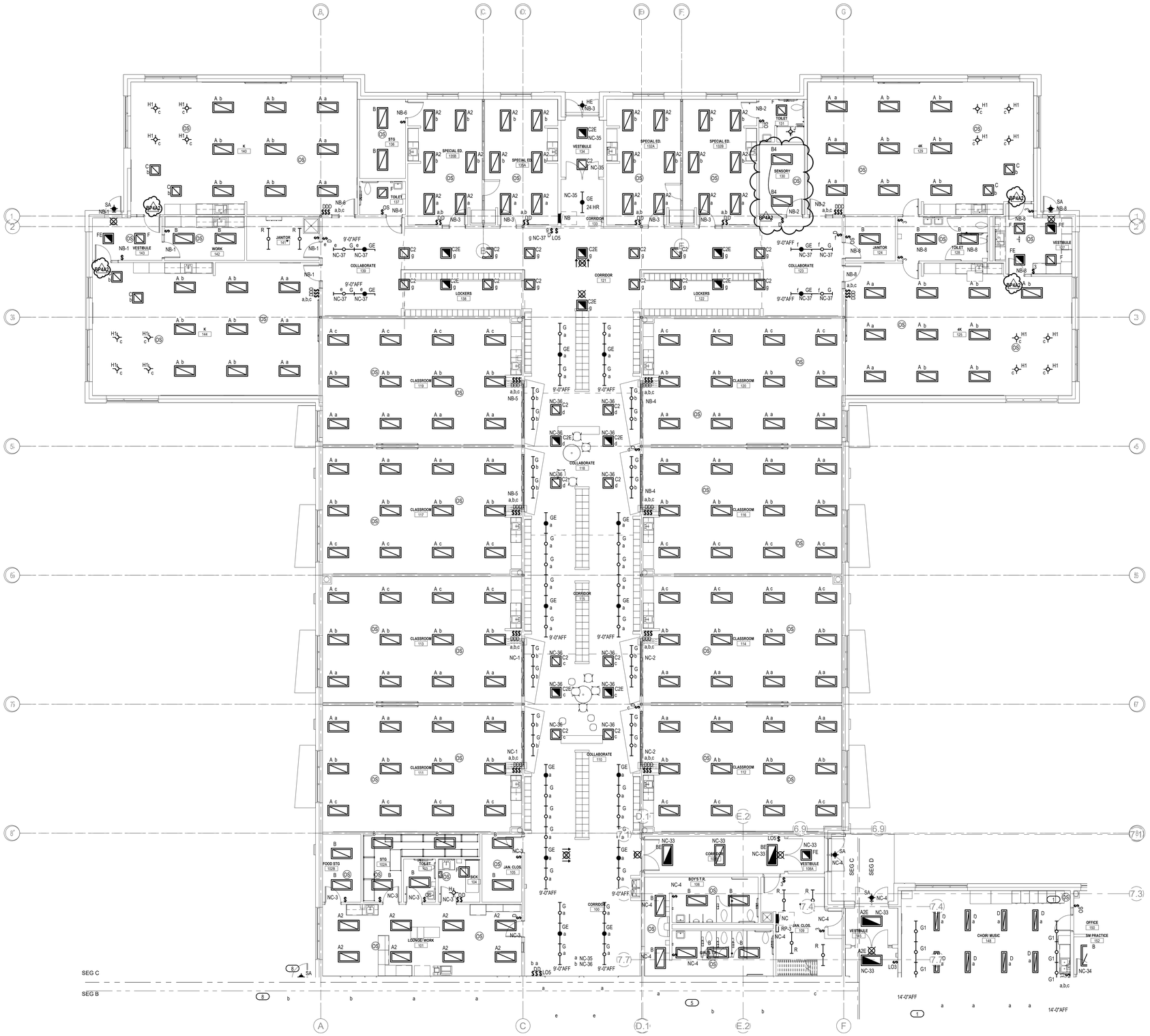
BID PACKAGE 4

E112R1



GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. CONNECT EXIT LIGHTS TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
3. CONNECT EGRESS LIGHTS UNIT BATTERY TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
4. OCCUPANCY SENSORS ARE SHOWN FOR DESIGN INTENT. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL QUANTITIES AND LOCATIONS PER MANUFACTURER'S RECOMMENDATION FOR COMPLETE COVERAGE OF CONTROLLED AREA.

1 **FIRST FLOOR - LIGHTING PLAN - UNIT C**

1/8" = 1'-0"

NORTH

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

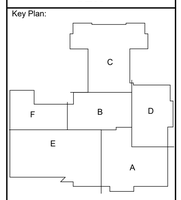
Sheet Title: **LIGHTING PLAN - UNIT C**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:



Revisions:

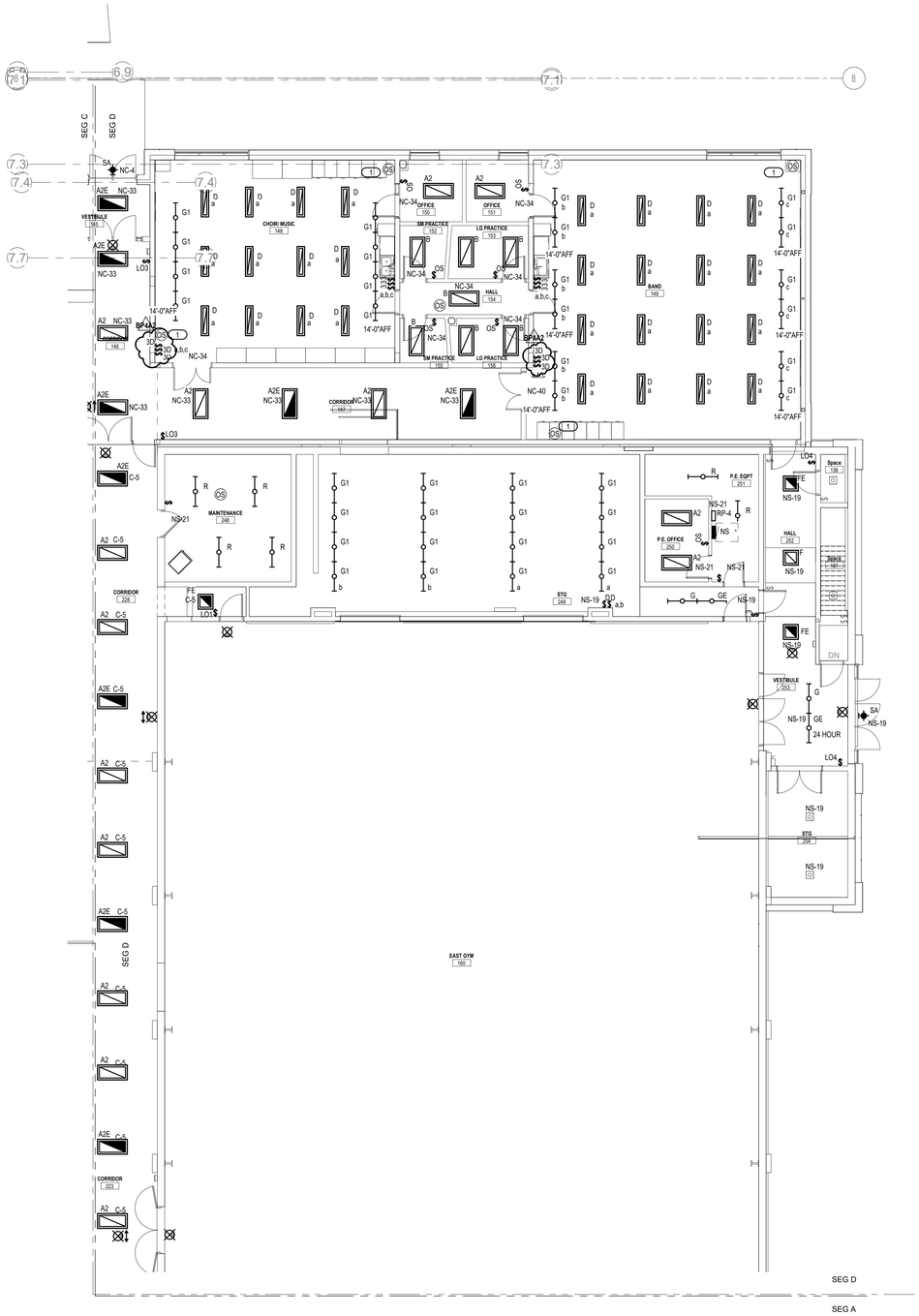
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

Last Update: **1/2/2019 11:54:54 PM**

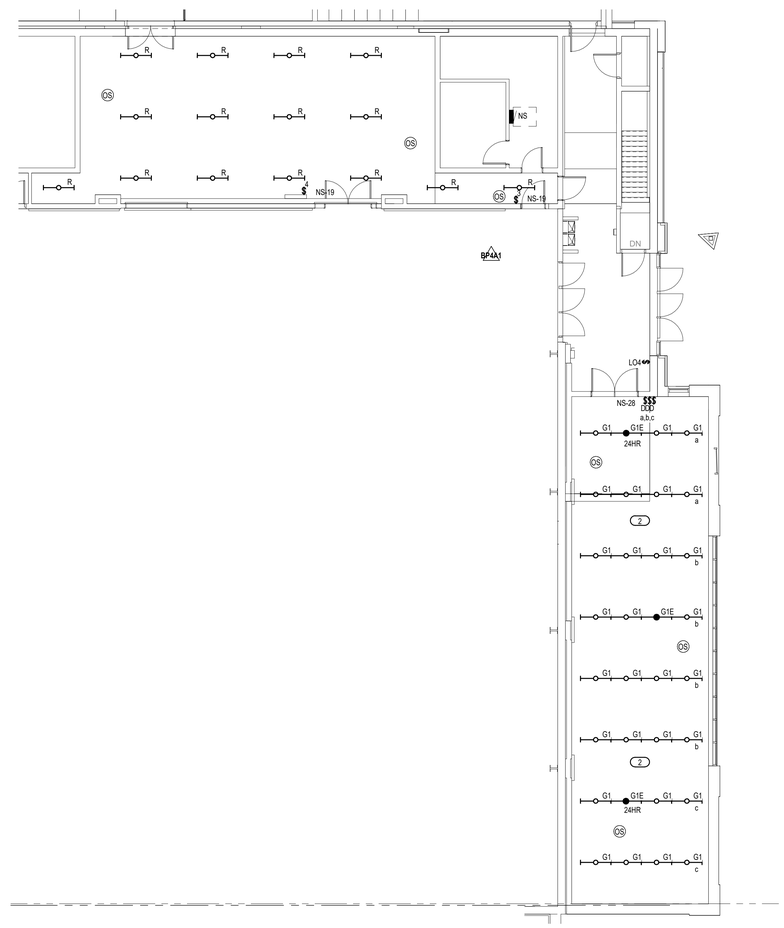
BID PACKAGE 4

E113R1



1 FIRST FLOOR - LIGHTING PLAN - UNIT D
1/8" = 1'-0"

NORTH



2 FIRST FLOOR - LIGHTING PLAN - FITNESS ALT
1/8" = 1'-0"

NORTH

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. CONNECT EXIT LIGHTS TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
3. CONNECT EGRESS LIGHTS UNIT BATTERY TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
4. OCCUPANCY SENSORS ARE SHOWN FOR DESIGN INTENT. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL QUANTITIES AND LOCATIONS PER MANUFACTURER'S RECOMMENDATION FOR COMPLETE COVERAGE OF CONTROLLED AREA.

KEYED NOTES

1. PROVIDE WALL MOUNTED LARGE AREA COVERAGE OCCUPANCY SENSOR.
2. HOLD SUSPENDED LIGHTING CLOSE TO UNDERSIDE OF ROOF DRAIN PIPING. MANITAIN MINIMUM 9'-5" AFF.

BP4A1

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

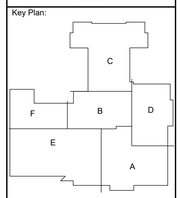
Sheet Title: LIGHTING PLAN - UNIT D

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

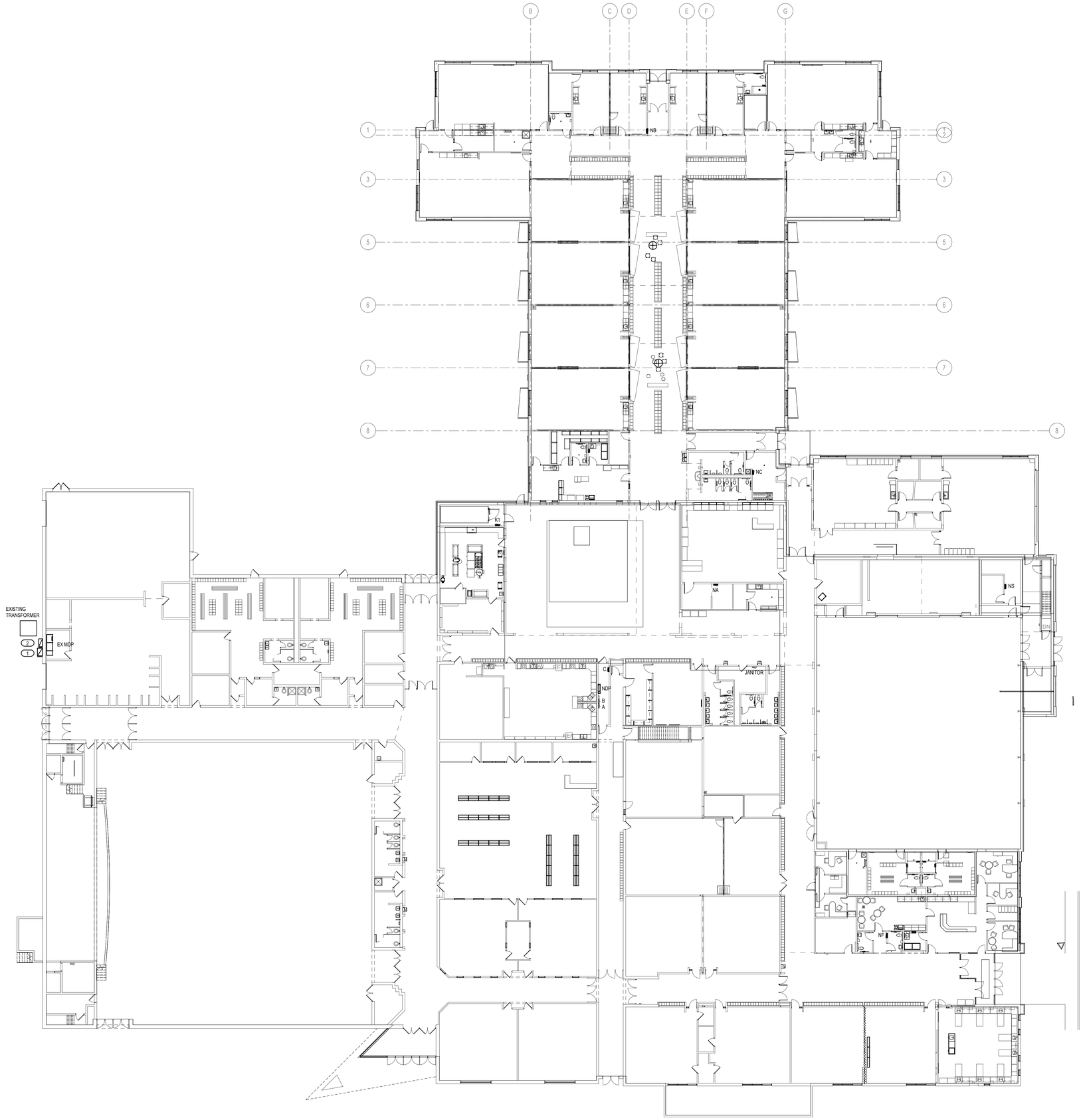
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:00 PM

BID PACKAGE 4

E114R2



KEYED NOTES

1. 1600A FUSIBLE SWITCH SWITCHBOARD CONSTRUCTION. PROVIDE EQUPMENT PAD BASE. ROUTE 1600A SERVICE CONDUCTORS INTO BUIDLING AND CONECT TO EXISTING 1600 SWITCHBOARD.
2. 1000A FUSIBLE SWITCH DISCONNECT. SECURE DISCONNECT TO BUILDING EXTERIOR WALL. ROUTE 1000A SERVICE CONDUCTORS UP TO ROOF AND ACROSS BUILDING ROOF TO NEW PANEL NDP. COORDINATE ROOF PENETRATION WITH GENERAL CONTRACTOR TO MAKE WEATHER TIGHT.

1 FIRST FLOOR - POWER PLAN OVERALL

1/16" = 1'-0"

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

Sheet Title: **POWER PLAN - OVERALL**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:

Revisions:

No.	Description	Date
BP4A2	ADD 2	01-02-19

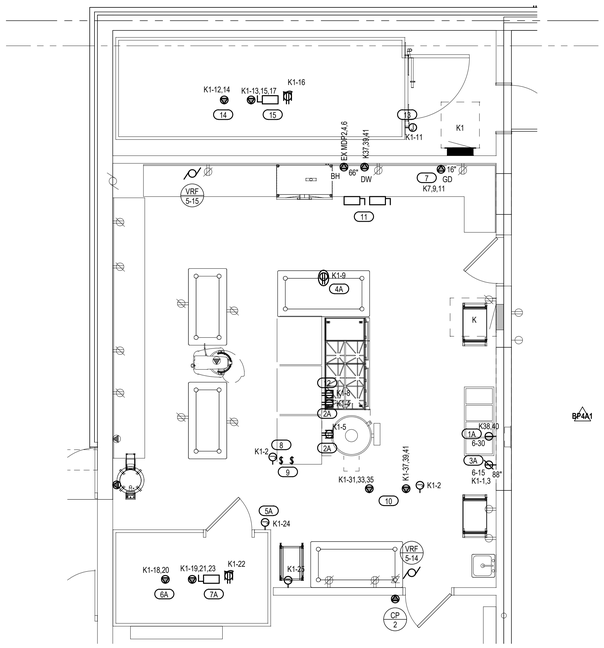
Graphic Scale: **VARIES**

Last Update: **1/2/2019 11:55:03 PM**

BID PACKAGE 4

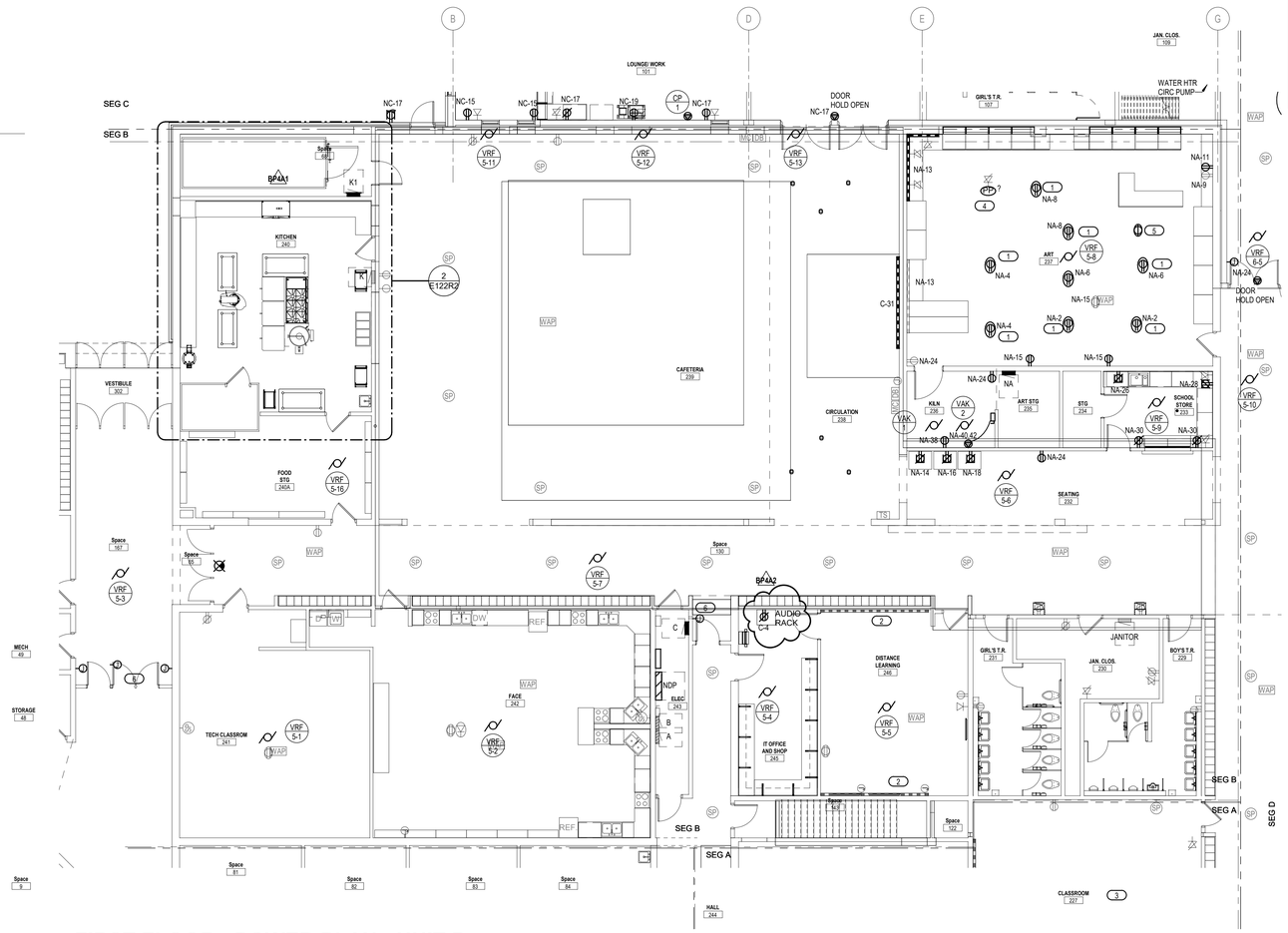
BP4A2

E120



2 ENLARGED KITCHEN POWER PLAN

1/4" = 1'-0"



1 FIRST FLOOR - POWER PLAN - UNIT B

1/8" = 1'-0"

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. SEE SHEET E701 FOR MOTOR CIRCUITING, FEEDER SIZES AND STARTER/DISCONNECT REQUIREMENTS.
3. VERIFY ALL KKITCHEN DEVICE LOCATIONS WITH FOOD SERVICE SUPPLIER PRIOR TO INSTALLATION.

ALTERNATE BID KEYED NOTES

1A VERIFY LOCATION OF EXISTING HOT WELL RECEPTACLE. REVISE RECEPTACLE CONFIGURATION AS NEEDED TO MEET REQUIRMENTS. RE-USE OF EXISTING CONTDUIT.

2A ROUTE CONDUIT TO RECEPTACLE FROM BELOW. EC SHALL SAW CUT EXISTING CONCRETE FLOOR TO PANEL OR NEAREST NEW WALL. ROUTE CONDUIT AND CONDUCTORS BACK TO PANEL. STUB AT CONVECTION OVER STUB CONDUIT UP TO 3" AFF. PROVIDE GFCI RECEPTACLE. CIRCUIT BREAKER SHALL BE SHUNT TRIP AND CONNECTED TO ITEM 20: FIRE SUPRESSION PANEL.

3A HOT FOOD WELL RECEPTACLE

4A GFCI DROP CORD RECEPTACLE. CEILING MOUNT DROP CORD OUTSIDE OF EXHAUST HOOD. CONSTRUCT DROP CORD OF HARD SERVICE 12/3 WITH GROUND SO CORD, KELLUMS CORD GRIP FOR STRAIN REILIF AND HUBBELL HBLP8FS 20A GFCI CONNECTOR BODY (OR EQUAL). CORD LENGTH TO REACH 48" AFF.

5A EC TO WIRE FROM J-BOX TO DOOR PANEL. EC ALSO SHALL CONNECT TO LIGHTING FIXTURES WITHIN THE FREEZER

6A EC TO WIRE FROM JUNCTION BOX TO EVAPORATOR COILS CONNECTION.

7A CONNECT TO OUTDOOR CONDESING UNIT. CORRDINATE FINAL LOCATION WITH MECHANICAL. LOCATE WETHERPROOF GFCI RECPTACLE ON ROOF NEAR UNIT.

KEYED NOTES

1. FURNISH AND INSTALL RETACTABLE CORD REEL WITH (2) DUPLEX OUTLETS AT THIS LOCATION. HUBBELL HBL45123R220 OR EQUAL. SUPPLY REEL WITH GFCI BREAKER IN LOCAL PANEL.
2. RE-FEED EXISTING SECTION OF PLUGMOLD. SUPPLY WITH (1) CIRCUIT FOR EACH 5 FEET OF PLUGMOLD LENGTH. ALTERNATE CIRCUITS ALONG LENGTH.
3. CONNECT CONDESATE PUMP TO LOCAL 120V CONVENIENCE RECPTACLE CIRCUIT
4. FURNISH AND INSTALL DUAL CHANNEL POWER POLE FOR (2) DUPLEX RECEPTACLES AND DATA OUTLET. SEE SYSTEMS PLANS FOR DATA CABLING QUANTITIES.
5. FURNISH AND INSTALL 120V SIMPLEX RECEPTACLE AT SKYLIGHT LOCATIONS (QTY 4) FOR MOTORIZED SHADE.
6. CONNECT TO EXISTING LOCAL CONVENIENCE RECEPTACLE CIRCUIT.
7. EC SHALL CONNECT DISPOSER TO CIRCUIT CONDUCTORS, SOLENOID AND CONTROL PANEL. CONFIRM ALL LOCATIONS WITH FOOD SERVICE CONTRACTOR.
8. LOCATE J-BOX ABOVE EXHAUST HOOD. EC TO WIRE FROM J-BOX TO HOOD CONNECTION POINT.
9. SWITCHES FOR HOOD LIGHTING AND FANS. EC TO WIRE FROM SWITCHES TO LIGHING FIXTURES AND FAN(S)
10. VERIFY FINAL LOCATIONS WITH MECHANICAL. EC TO CONNECT TO EXHAUST FANS AND MAKE UP AIR UNIT. CONNECT TO SWITCHES BELOW IN HOOD FOR OPERATION.
11. PROVIDE NEMA 4X DISHWASHER AND BOOSTER HEATER DISCONNECTS. FIELD LOCATE BELOW COUNTER, FLUSH WITH FRONT.
12. ROUTE CONDUIT TO RECEPTACLE FROM BELOW. EC SHALL SAW CUT EXISTING CONCRETE FLOOR TO PANEL OR NEAREST NEW WALL. ROUTE CONDUIT AND CONDUCTORS BACK TO PANEL. STUB AT CONVECTION OVER STUB CONDUIT UP TO 3" AFF. PROVIDE GFCI RECEPTACLE. CIRCUIT BREAKER SHALL BE SHUNT TRIP AND CONNECTED TO ITEM 20: FIRE SUPRESSION PANEL.
13. EC TO WIRE FROM J-BOX TO DOOR PANEL. EC ALSO SHALL CONNECT TO LIGHTING FIXTURES WITHIN THE FREEZER
14. EC TO WIRE FROM JUNCTION BOX TO EVAPORATOR COILS CONNECTION.
15. CONNECT TO OUTDOOR CONDESING UNIT. CORRDINATE FINAL LOCATION WITH MECHANICAL. LOCATE WETHERPROOF GFCI RECPTACLE ON ROOF NEAR UNIT.
16. FIRE SUPRESSION CONTROL PANEL LOCATION. PROVIDE ADDITIONAL 4" OCTAGON J-BOX AT 54" AFF AND 1-1/4" EMPTY CONDUIT UP TO ABOVE ACCESSIBLE CEILING FOR MANUAL PULL CABLE.

ARCHITECTURE
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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

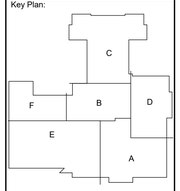
Sheet Title: POWER PLAN - UNIT B

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:08 PM

BID PACKAGE 4

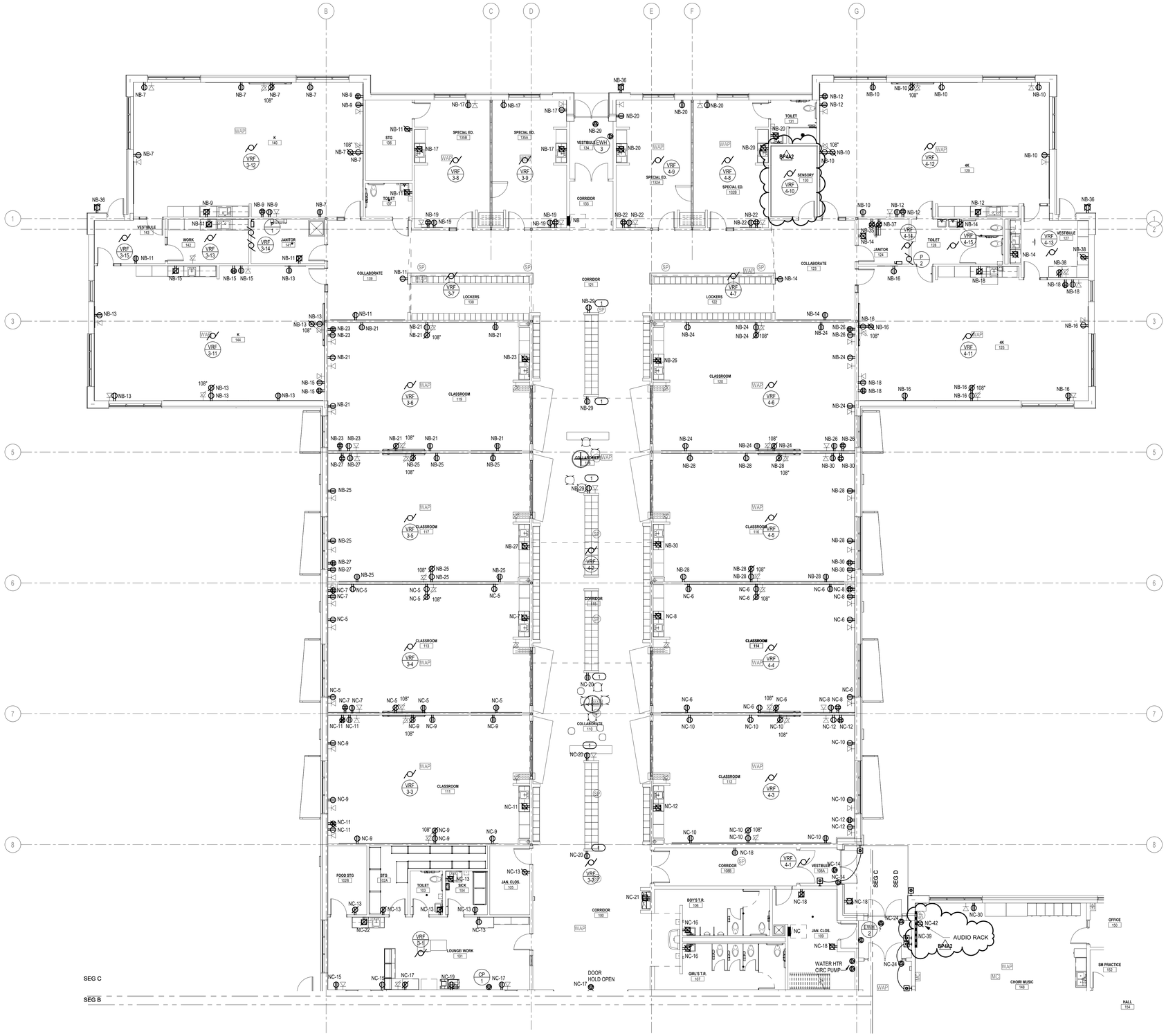
E122R2

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. SEE SHEET E701 FOR MOTOR CIRCUITING, FEEDER SIZES AND STARTER/DISCONNECT REQUIREMENTS.
3. VERIFY ALL KKITCHEN DEVICE LOCATIONS WITH FOOD SERVICE SUPPLIER PRIOR TO INSTALLATION.

KEYED NOTES

1. DEVICES ON THIS WALL ARE FED FROM BELOW.



1 **FIRST FLOOR - POWER PLAN - UNIT C**

1/8" = 1'-0"

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: 1025 Town Street Prentice,WI 54556

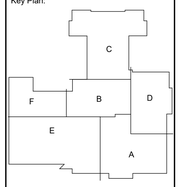
Sheet Title: **POWER PLAN - UNIT C**

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:13 PM

BID PACKAGE 4

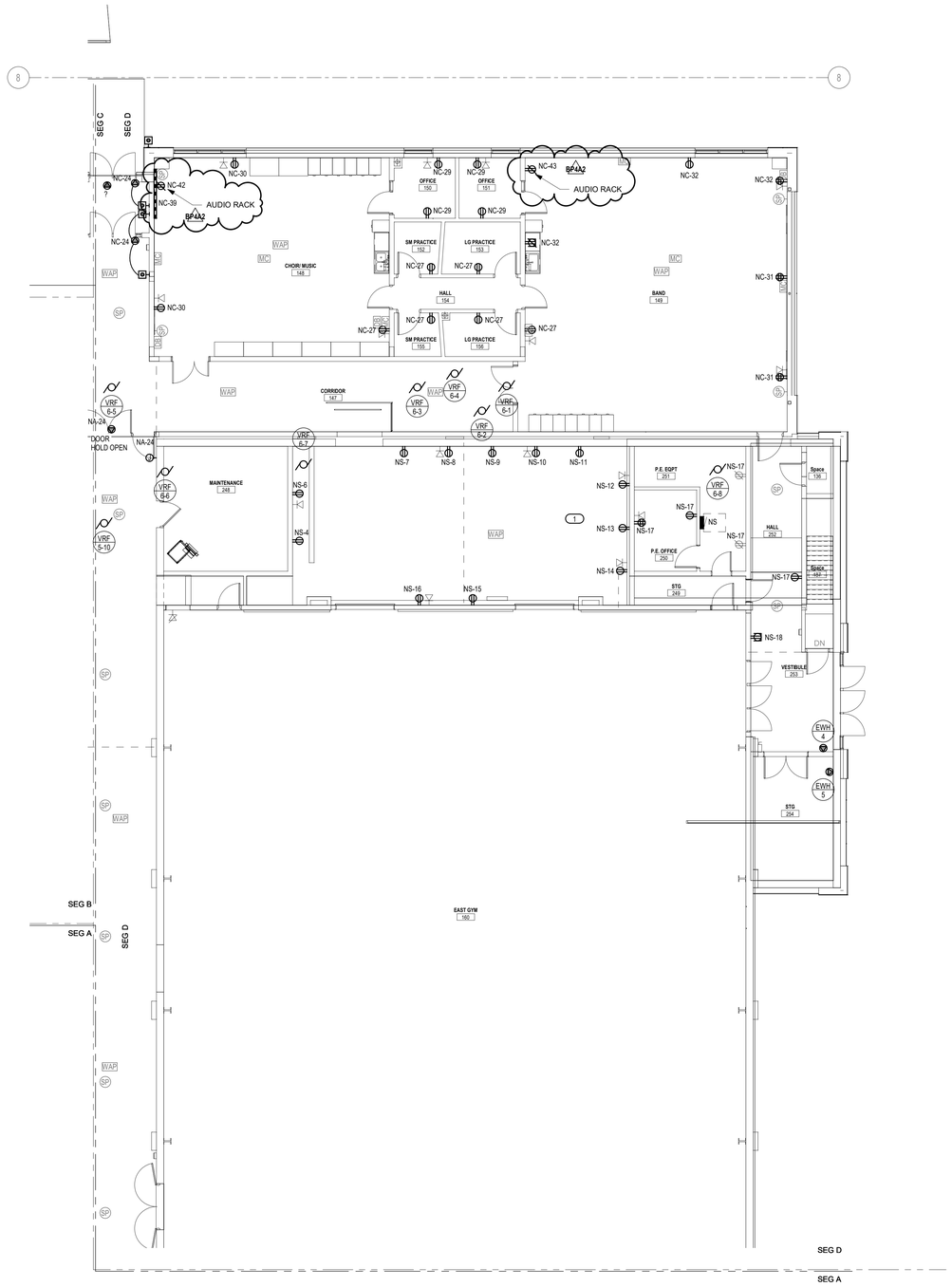
E123R1

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. SEE SHEET E701 FOR MOTOR CIRCUITING, FEEDER SIZES AND STARTER/DISCONNECT REQUIREMENTS.
3. VERIFY ALL KKITCHEN DEVICE LOCATIONS WITH FOOD SERVICE SUPPLIER PRIOR TO INSTALLATION.

KEYED NOTES

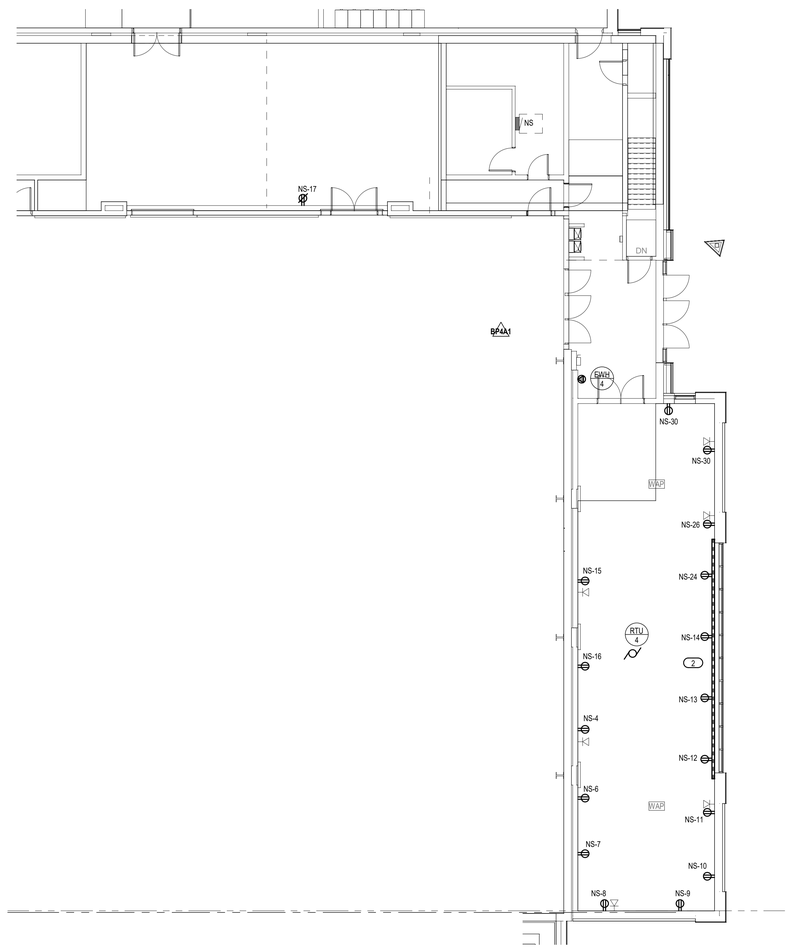
1. PROVIDE J-BOX AT STRUCTURE ABOVE AND EXTEND EXISTING GYM AREA BRANCH CIRCUITS TO NEW PANEL NS LOCATION.
2. LOCATE PLUGMOLD BELOW WINDOWS (APPROX 8" AFF). PROVIDE DEVICES AND CIRCUITING AS SHOWN.



1 FIRST FLOOR - POWER PLAN - UNIT D

1/8" = 1'-0"

NORTH



2 FIRST FLOOR - POWER PLAN - FITNESS ALT

1/8" = 1'-0"

NORTH

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INTERIOR DESIGN

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

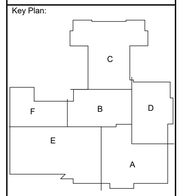
Sheet Title: POWER PLAN - UNIT D

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:16 PM

BID PACKAGE 4

E124R2

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. ALL NEW FIRE ALARM AUDIO VISIUAL NOTIFICATION DEVICES SHALL BE SPEAKER/STROBE TYPE.
3. SEE SHEET E130 FOR TELECOMMUNICATIONS EQUIPMENT ROOM LOCATIONS.
4. FURNISH AND INSTALL NEW WIRELESS CLOCK SYSTEM IN ALL NEW AND REMODELLED AREAS SUCH AS CORRIDORS, CLASSROOMS, WORK AREAS, CONFERENCE ROOMS AND OFFICE AREA. ASSUME 60 CLOCKS AND HEADEND EEQUIPMENT. CORRIDOR CLOCKS SHALL BE DUAL SIDED.

BP4A2

KEYED NOTES

1. FIRE ALARM CONTROL MODULE FOR DOOR RELEASE.

1 FIRST FLOOR - SYSTEMS PLAN - UNIT A

1/8" = 1'-0"

NORTH

BID PACKAGE 4

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INTERIOR DESIGN

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

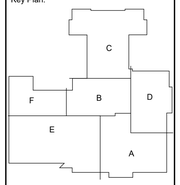
Sheet Title: SYSTEMS PLAN - UNIT A

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:20 PM

E131R1

CAFETERIA EQUIPMENT LIST

SEE SPECIFICATIONS SECTION 27 51 17 FOR COMPLETE LIST OF EQUIPMENT AND REQUIREMENTS.

1. MICROPHONE OUTLET XLR FLAT 1'6" AFF
2. RADIAL DIRECT BOX WITH VOLUME CONTROL, DUAL RCA & 3.5MM INPUTS
3. LAY-IN CEILING SPEAKER
4. SURFACE MOUNT SPEAKER. MOUNTED TO BAR JOIST
5. AUDIO RACK WITH MIXER, SWITCH, AMPLIFIER, POWER CONDITIONER, MEDIA PLAYER
6. TOUCHSCREEN CONTROLLER

BP4A2

GENERAL NOTES

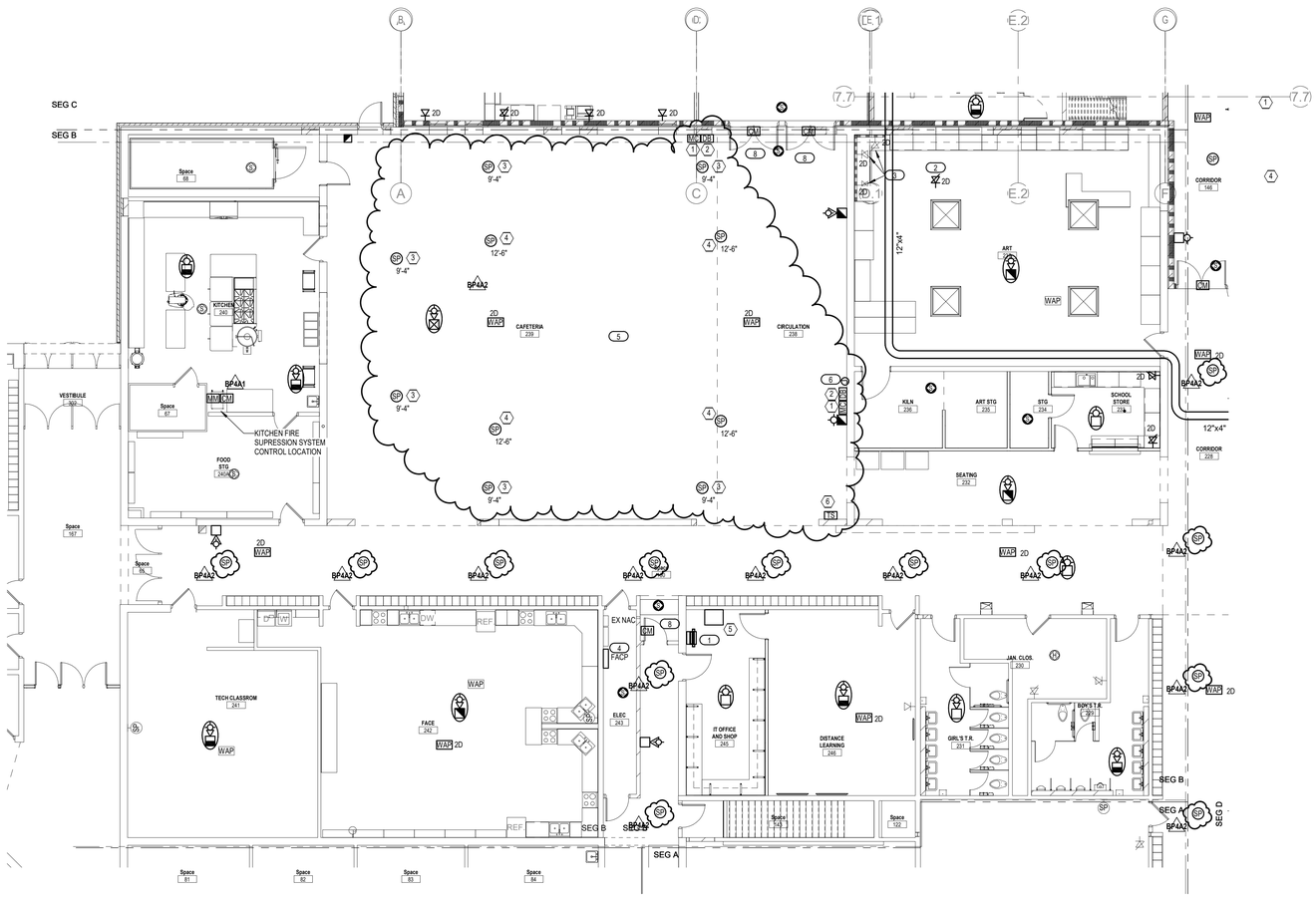
1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. ALL NEW FIRE ALARM AUDIO VISIUAL NOTIFICATION DEVICES SHALL BE SPEAKER/STROBE TYPE.
3. SEE SHEET E130 FOR TELECOMMUNICATIONS EQUIPMENT ROOM LOCATIONS.
4. FURNISH AND INSTALL NEW WIRELESS CLOCK SYSTEM IN ALL NEW AND REMODELLED AREAS SUCH AS CORRIDORS, CLASSROOMS, WORK AREAS, CONFERENCE ROOMS AND OFFICE AREA. ASSUME 60 CLOCKS AND HEADEND EEQUIPMENT. CORRIDOR CLOCKS SHALL BE DUAL SIDED.

BP4A2

KEYED NOTES

1. RELOCATED DATA SERVICE ENTRACNCE RACK. RECONNECT EXISTING FIBER SERVICE ENTRANCE CABLING, VOICE ENTRANCE CABLING AND HORINZONTAL CABLING. FOR BIDDING PURPOSES, ASSUME SUFFCIENT SLACK LENGTH TO ALLOW EXISTING CABLES TO BE REUSED.
2. DATA OUTLET FED FROM POWER POLE (SEE POWER PLANS.)
3. UTILIZE EXISTING PATHWAYS TO PULL NEW CABLING TO EXISTING DEVICES. REMOVE EXISTING ABANDONED CABLING.
4. NEW SIMPLEX ADDRESSABLE WITH VOICE CAPABLILITY FA SYSTEM. PROVIDE MONITOR MODULES ON BOTH THE NEW AND EXISTING SYSTEMS. ALARM, TROUBLE AND SUPERVISORY SIGNALS SHALL INTIATE BOTH SYSTEMS. CONNECT EXISTING ANALOG PHONE LINES TO NEW FACP
5. SOUND SYSTEM IN THIS ROOM TO BE INTERFACED WITH CRESTRON (OR EQUAL) INTEGRATED LIGHTING /AUDIO CONTROL SYSTEM. CONTRACTOR TO DETERMINE EXACT LOCATION OF SPEAKERS FOR BEST AUDIO PERFORMANCE.
6. PROVIDE 6X6 JUNCTION BOX WITH GROMMETTED COVER FOR A/V CONNECTIONS. PROVIDE 1-1/2" CONDUIT FROM BOX TO A/V RACK IN I.T. OFFICE 245.ROUTE CONDUIT UP THROUGH KILN ROOM ON BACK SIDE OF EXISTING CAFTERIA WALL.
7. NOT USED
8. FIRE ALARM CONTROL MODULE FOR DOOR RELEASE.

BP4A2



1 FIRST FLOOR - SYSTEMS PLAN - UNIT B

1/8" = 1'-0"

NORTH

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

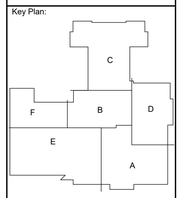
Sheet Title: SYSTEMS PLAN - UNIT B

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

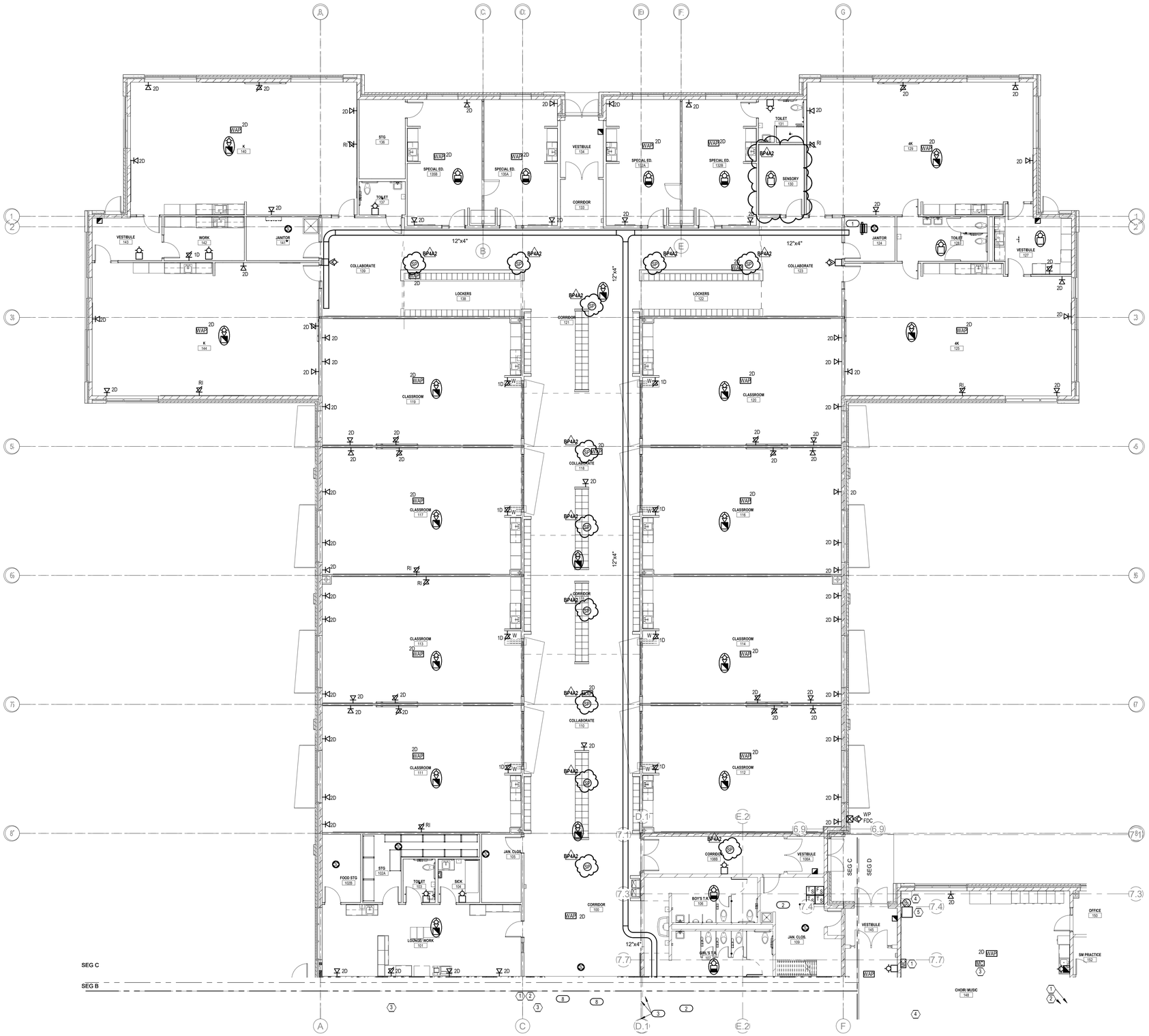
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:23 PM

BID PACKAGE 4

E132R2



1 FIRST FLOOR - SYSTEMS PLAN - UNIT C

1/8" = 1'-0"

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. ALL NEW FIRE ALARM AUDIO VISIUAL NOTIFICATION DEVICES SHALL BE SPEAKER/STROBE TYPE.
3. SEE SHEET E130 FOR TELECOMMUNICATIONS EQUIPMENT ROOM LOCATIONS.
4. FURNISH AND INSTALL NEW WIRELESS CLOCK SYSTEM IN ALL NEW AND REMODELLED AREAS SUCH AS CORRIDORS, CLASSROOMS, WORK AREAS, CONFERENCE ROOMS AND OFFICE AREA. ASSUME 60 CLOCKS AND HEADEND EEQUIPMENT. CORRIDOR CLOCKS SHALL BE DUAL SIDED.

BP4A2

KEYED NOTES

1. ELECTRICAL CONTRACTOR SHALL PROVIDE TELECOMMUNICATIONS GROUND BUS AT NEW IDF ROOOM 124. CONNECT BACK TO MDF ROOM 89 WITH TELECOMMUNICATION BONDING CONDUCTOR SIZED NOT LESS THAN #3/0 AND NOT MORE THAN 750MCM. BONDING CONDUCTORS SHALL BE SIZED AT 2MCM PER FOOT.
2. PROVIDE ROOF PENETATION AT PENTHOUSE ABOVE FOR EXTERIOR WIRELESS ANTENNA. COORDINATE LOCATION WITH MACANICAL EQUIPMENT. PROVIDE LINE OF SIGHT TO FOOTBALL FLIED.

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

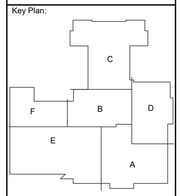
Sheet Title: SYSTEMS PLAN - UNIT C

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:29 PM

BID PACKAGE 4

E133R1

BAND/MUSIC EQUIPMENT LIST

SEE SPECIFICATIONS SECTION 27 51 17 FOR COMPLETE LIST OF EQUIPMENT AND REQUIREMENTS.

BP4A2

1. MICROPHONE OUTLET XLR FLAT 1'6" AFF
2. RADIAL DIRECT BOX WITH VOLUME CONTROL, DUAL RCA & 3.5MM INPUTS
3. CEILING MONTED X/Y STEREO MICROPHONE.
4. MEDIUM POWER 2 WAY LOUDSPEAKER WALL MOUNTED 9' AFF MIN
5. AUDIO RACK WITH AMPLIFIER, POWER CONDITIONER, MEDIA PLAYER AND RECORDER.

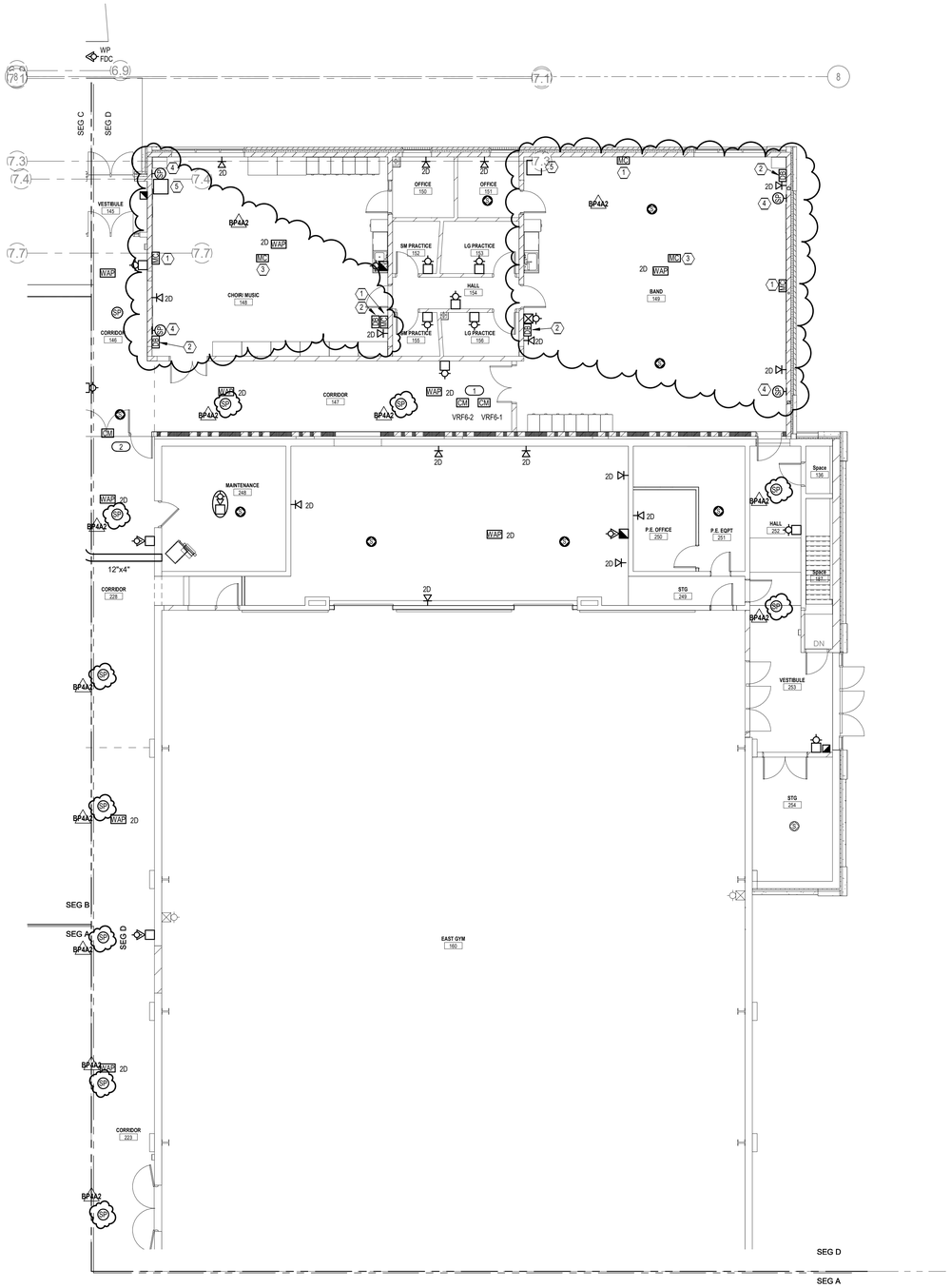
GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIVISION 26-28 REQUIRED SAW-CUTTING.
2. ALL NEW FIRE ALARM AUDIO VISIUAL NOTIFICATION DEVICES SHALL BE SPEAKER/STROBE TYPE.
3. SEE SHEET E130 FOR TELECOMMUNICATIONS EQUIPMENT ROOM LOCATIONS.
4. FURNISH AND INSTALL NEW WIRELESS CLOCK SYSTEM IN ALL NEW AND REMODELLED AREAS SUCH AS CORRIDORS, CLASSROOMS, WORK AREAS, CONFERENCE ROOMS AND OFFICE AREA. ASSUME 60 CLOCKS AND HEADEND EEQUIPMENT. CORRIDOR CLOCKS SHALL BE DUAL SIDED.

BP4A2

KEYED NOTES

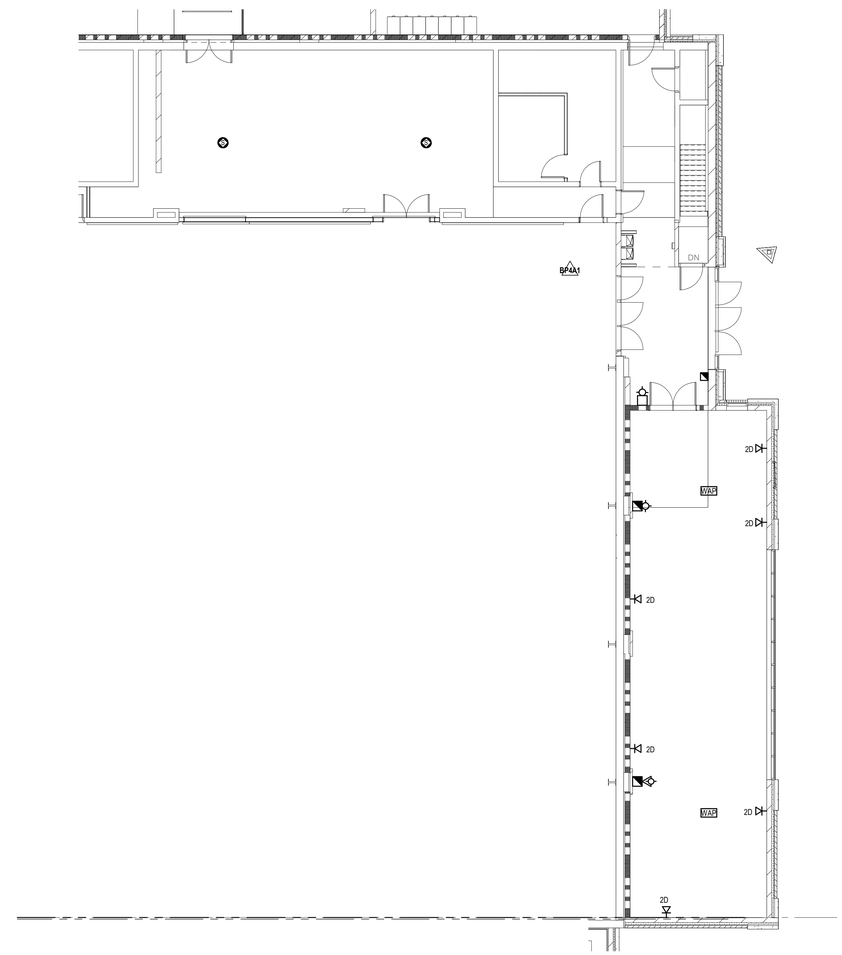
1. CONTROL MODULES TO SHUTDOWN ASSOCIATED AIR DISTRIBUTION EQUIPMENT UPON LOCAL SMOKE DETECTION.
2. FIRE ALARM CONTROL MODULE FOR DOOR RELEASE.



1 FIRST FLOOR - SYSTEMS PLAN - UNIT D

1/8" = 1'-0"

NORTH



2 FIRST FLOOR - SYSTEMS PLAN - UNIT D FITNESS ALT

1/8" = 1'-0"

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: 1025 Town Street Prentice,WI 54556

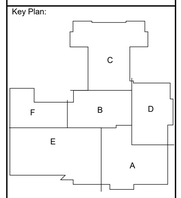
Sheet Title: **SYSTEMS PLAN - UNIT D**

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:



Revisions:

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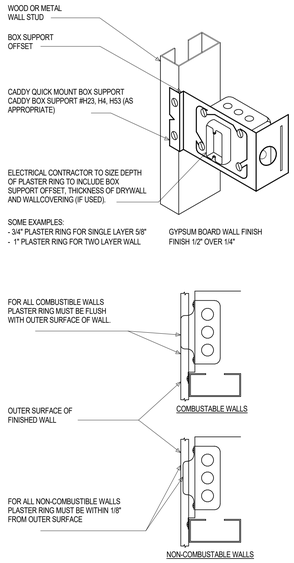
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

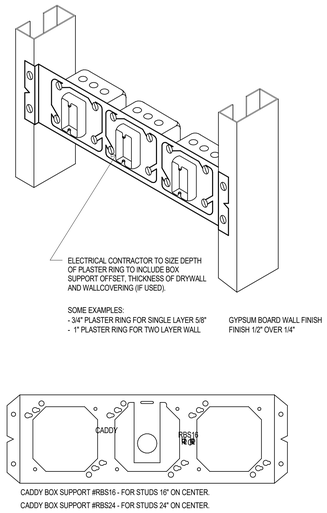
Last Update: 1/2/2019 11:55:32 PM

BID PACKAGE 4

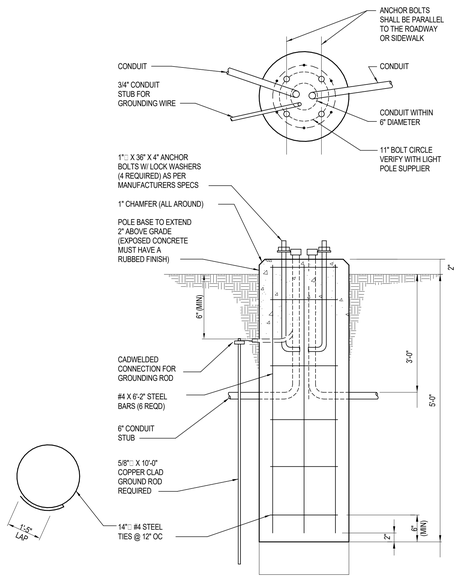
E134R2



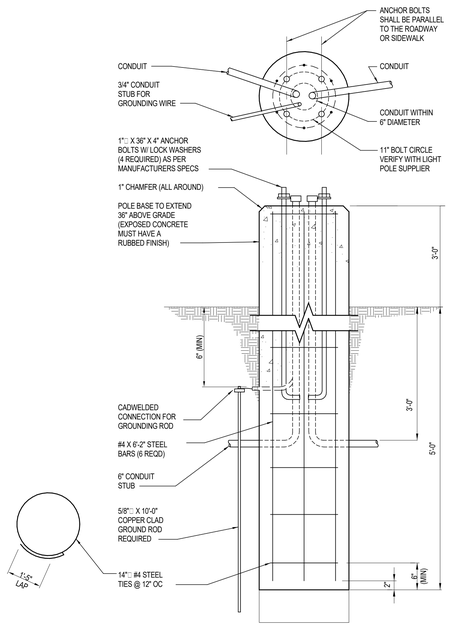
1 BOX SUPPORT DETAIL
NO SCALE



2 MULTIPLE BOX SUPPORT DETAIL
NO SCALE



3 TYPE SB POLE BASE
NO SCALE



4 TYPE SC POLE BASE
NO SCALE

PANEL "XYZ"

480Y/277 VOLT, 3Φ, 4W, 400A/3P MCB
18KAIC RATING
FED FROM MDP-12 IN ROOM E101
INSTALLED DD/MM/YYYY

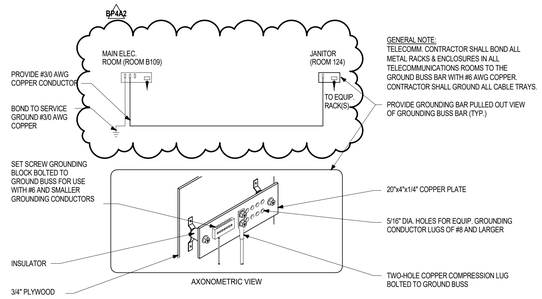
ALL PANELBOARDS IN WORK AREA SHALL BE IDENTIFIED USING AN ENGRAVED 2-PLEX ACRYLIC LABEL.

EQUIPMENT NAMEPLATES SHALL BE 2" TALL x 5" WIDE CUSTOM ENGRAVED TILE, 2-PLEX ACRYLIC, WHITE ON BLACK CORE TO INCLUDE THE FOLLOWING INFORMATION.

1. EQUIPMENT NAME IN 3/8" MINIMUM HEIGHT LETTERING.
2. VOLTAGE, AMPACITY RATING AND TYPE IN 1/8" MINIMUM HEIGHT LETTERING.
3. EQUIPMENT AIC RATING IN 1/8" MINIMUM HEIGHT LETTERING.
4. FEEDER SOURCE OFF SUPPLY DESCRIPTION AND LOCATION IN 1/8" MINIMUM HEIGHT LETTERING.
5. INSTALLATION DATE MM/DD/YYYY IN 1/8" MINIMUM HEIGHT LETTERING.

MOUNTING SHALL BE MADE UTILIZING STAINLESS STEEL SCREWS.
MOUNTING HOLES SHALL BE SEALED WITH SILICONE RUBBER.

5 PANEL LABEL DETAL



6 EQUIPMENT GROUNDING DETAIL
SCHEMATIC

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice, WI 54556

Sheet Title: ELECTRICAL DETAILS

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:

Revisions:

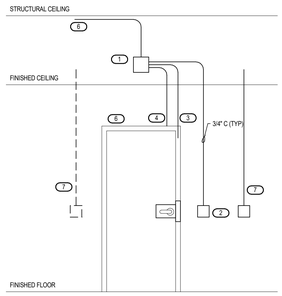
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:33 PM

BID PACKAGE 4

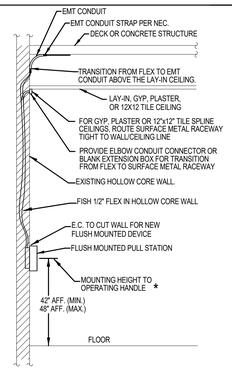
E501R1



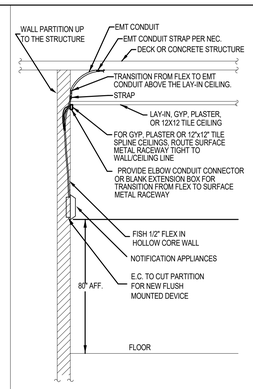
NOTE: NOT ALL DEVICES WILL APPLY TO EACH DOOR. SEE PLANS FOR DOOR ACCESS DEVICES AND LOCATIONS. COORDINATE WITH DOOR HARDWARE SCHEDULE FOR DEVICE OPERATIONS.

1. PROVIDE JUNCTION BOX AND COVER ABOVE DOOR ABOVE ACCESSIBLE CEILING. SIZE AS REQUIRED.
2. PROVIDE 4" X 4" X 2-1/8" DEEP BOX WITH SINGLE GANG DEVICE RING FLUSH MOUNTED ON UNSECURE SIDE OF DOOR FOR CARD READER. NOTE, WHERE DOORS ARE DIRECTLY ADJACENT TO WINDOWS OR SIDELITES, PROVIDE SLIMLINE CARD READER MOUNTED IN DOOR FRAME/MULLION.
3. STUB CONDUIT INTO DOOR FRAME ON LOCK SIDE OF FRAME FOR ELECTRIC LOCKING HARDWARE ELECTRIC STRIKE (LOCK HARDWARE PROVIDED BY OTHRES).
4. STUB CONDUIT INTO DOOR FRAME HEADER FOR RECESSED MAGNETIC DOOR POSITION SWITCH. WHERE DOOR FRAME ARE EXISTING, PROVIDE SURFACE MOUNTED POSITION SWITCH.
5. PROVIDE 3/4" CONDUIT STUB FROM JUNCTION BOX TO SECURITY CONDUIT SYSTEM.
6. DOOR RELEASE MODULE. UPON ACTIVATION OF RECEPTION DESK PANIC BUTTON, DOOR RELEASE MODULE SHALL INTERLIPT POWER TO HOLD-OPEN DEVICE AND ALLOW DOOR TO SWING SHUT.
7. AUTO DOOR OPERATOR. (SEE ARCHITECTURAL FOR LOCATION). CONNECT TO AUTODOOR POWER SUPPLY.

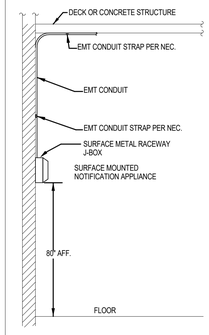
1 DOOR ACCESS DEVICE ROUTING
SCALE: NONE



2 NEW FLUSH MOUNTED PULL STATION
N.T.S.

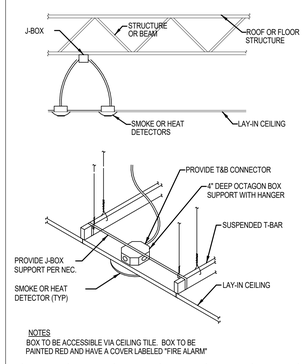


3 NEW FLUSH MOUNTED NOTIFICATION DEVICE
N.T.S.



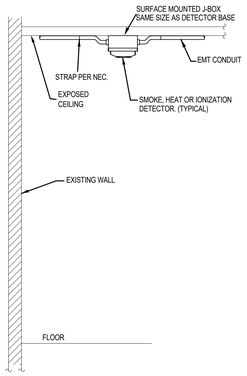
4 NEW SURFACE MOUNTED NOTIFICATION DEVICE
N.T.S.

BP4A2

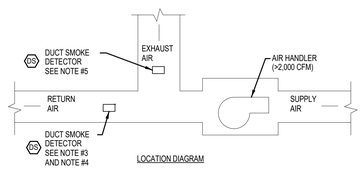


NOTES
BOX TO BE ACCESSIBLE VIA CEILING TILE. BOX TO BE PAINTED RED AND HAVE A COVER LABELED "FIRE ALARM"

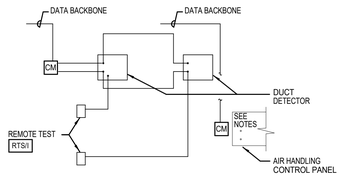
5 NEW FLUSH MOUNTED DETECTOR IN LAY-IN CEILING
N.T.S.



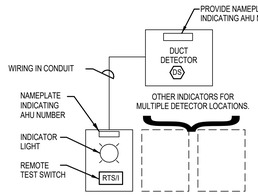
6 NEW SURFACE MOUNTED DETECTOR - UNFINISHED SPACE
N.T.S.



LOCATION DIAGRAM



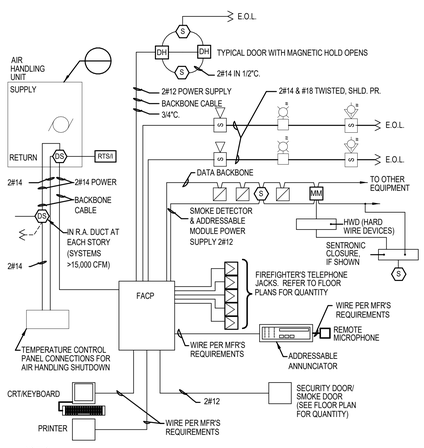
WIRING DIAGRAM



NOTES:

1. WIRE INTO HVAC CONTROL PANEL OR STARTER TO SHUT DOWN AIR HANDLER IN THE EVENT SMOKE IS DETECTED. PROVIDE OVERRIDE SWITCH (KEYED SWITCH OR START PUSH-BUTTON STATION IN LOCKED ENCLOSURE) ADJACENT TO FACP TO RESTART THE HVAC UNIT. PROVIDE WRITTEN STATEMENT TO DFD CONSTR. REP. THAT THE SYSTEM WAS TESTED AND OPERATES CORRECTLY.
2. MOUNT REMOTE TEST STATION ON NEAREST WALL THAT PROVIDES ACCESS. IN INSTALLATIONS WHERE TWO OR MORE AHU'S ARE INSTALLED TOGETHER, MOUNT ALL TEST SWITCHES IN ONE AREA.
3. DUCT SMOKE DETECTORS SHALL BE INSTALLED IN RETURN AIR SYSTEMS WITH A CAPACITY GREATER THAN 2,000 CFM. IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT AND APPLIANCES.
4. WHERE RETURN AIR RISERS SERVE TWO OR MORE STORIES AND ARE PART OF A RETURN AIR SYSTEM HAVING A CAPACITY GREATER THAN 15,000 CFM, DUCT SMOKE DETECTORS SHALL BE INSTALLED AT EACH STORY. SUCH DUCT SMOKE DETECTORS SHALL BE LOCATED UPSTREAM OF THE CONNECTION BETWEEN THE RETURN AIR RISER AND ANY AIR DUCTS OR PLENUMS.
5. FOR HIGH RISE BUILDINGS, IN ADDITION TO THE DUCT SMOKE DETECTOR IN THE MAIN RETURN AIR DUCT, PROVIDE A DUCT SMOKE DETECTOR IN THE EXHAUST AIR PLENUM OF EACH A/C SYSTEM HAVING A CAPACITY GREATER THAN 2,000 CFM.
6. THE ACTUATION OF A DUCT SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION (CAMPUS POLICE AND SECURITY).

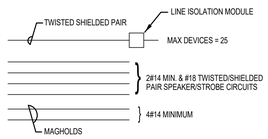
7 AIR HANDLING SHUTDOWN DETAIL
N.T.S.



NOTES:
THIS IS A COMPREHENSIVE DETAIL/RISER. ALL EQUIPMENT SHOWN ON THIS RISER MAY NOT APPLY. SEE FLOOR PLANS AND SPECIFICATIONS FOR ACTUAL DEVICES AND EQUIPMENT REQUIRED.

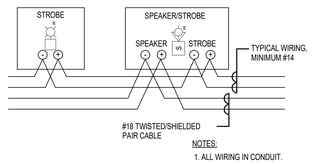
1. E.O.L. = END OF LINE RESISTOR
2. HWD = SPRINKLER, DOOR CLOSURES (SENTRONIC)
3. MOUNT ANNUNCIATOR 60" AFF TO CENTER.
4. R.A. = RETURN AIR

8 TYPICAL ADDRESSABLE FIRE ALARM SYSTEM RISER
N.T.S.



NOTES:
1. ALL WIRING IN CONDUIT.

9 MISC. WIRING DETAIL
N.T.S.



NOTES:
1. ALL WIRING IN CONDUIT.

10 SPEAKER /STROBE WIRING DETAIL
N.T.S.

1 ELECTRICAL DETAILS - 503
1/8" = 1'-0"

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice, WI 54556

Sheet Title: ELECTRICAL DETAILS

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:

Revisions:

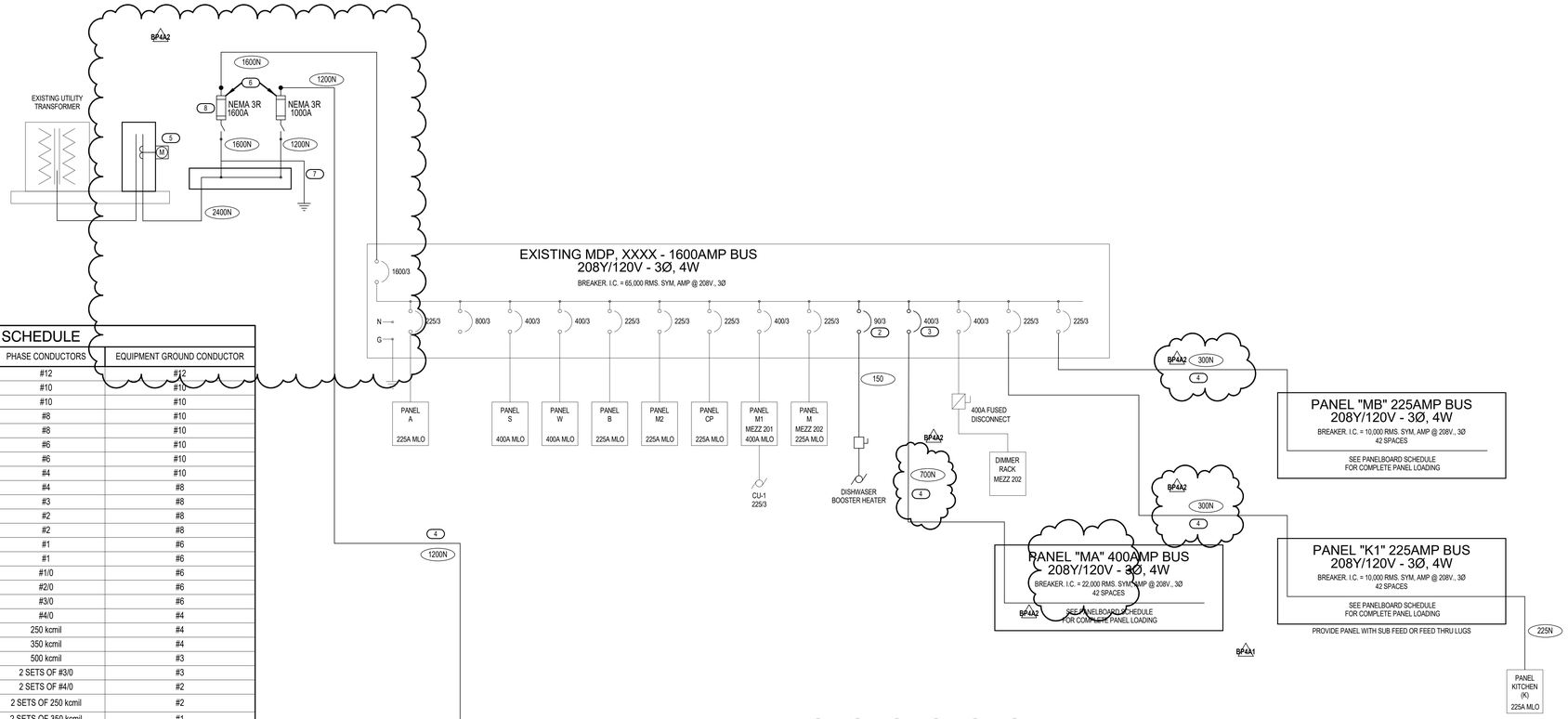
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:34 PM

BID PACKAGE 4

E503R1



FEEDER SCHEDULE

AMPS	CONDUIT SIZE 4W	CONDUIT SIZE 3W	PHASE CONDUCTORS	EQUIPMENT GROUND CONDUCTOR
20	3/4"	3/4"	#12	#12
25	3/4"	3/4"	#10	#10
30	3/4"	3/4"	#10	#10
35	1"	3/4"	#8	#10
40	1"	3/4"	#8	#10
45	1"	1"	#6	#10
50	1"	1"	#6	#10
60	1 1/4"	1 1/4"	#4	#10
70	1 1/4"	1 1/4"	#4	#8
80	1 1/4"	1 1/4"	#3	#8
90	1 1/2"	1 1/4"	#2	#8
100	2"	1 1/2"	#2	#8
110	1 1/2"	1 1/4"	#1	#6
125	2"	1 1/2"	#1	#6
150	2"	1 1/2"	#1/0	#6
175	2"	2"	#2/0	#6
200	2"	2"	#3/0	#6
225	2 1/2"	2"	#4/0	#4
250	3"	2 1/2"	250 kcmil	#4
300	3"	3"	350 kcmil	#4
350	3 1/2"	3"	500 kcmil	#3
400	(2) 2"	(2) 2"	2 SETS OF #3/0	#3
450	(2) 2 1/2"	(2) 2"	2 SETS OF #4/0	#2
500	(2) 2 1/2"	(2) 2 1/2"	2 SETS OF 250 kcmil	#2
600	(2) 3"	(2) 3"	2 SETS OF 350 kcmil	#1
700	(2) 3 1/2"	(2) 3"	2 SETS OF 500 kcmil	#1/0
800	(3) 3"	(3) 2 1/2"	3 SETS OF 300 kcmil	#1/0
900	(3) 3 1/2"	(3) 3"	3 SETS OF 400 kcmil	#2/0
1000	(3) 3 1/2"	(3) 3"	3 SETS OF 500 kcmil	#2/0
1200	(4) 3"	(4) 3"	4 SETS OF 350 kcmil	#3/0
1600	(5) 3 1/2"	(5) 3"	5 SETS OF 500 kcmil	#4/0
1800	(6) 3 1/2"	(6) 3"	6 SETS OF 400 kcmil	250 kcmil
2000	(6) 3 1/2"	(6) 3"	6 SETS OF 500 kcmil	250 kcmil
2400	(6) 3 1/2"	(6) 3"	6 SETS OF 500 kcmil	250 kcmil

NOTES:

1. FEEDER SIZES ARE ON THE PLAN WHERE 60 REFERS TO A 60A FEEDER WITHOUT NEUTRAL AND 60N REFERS TO A 60A FEEDER WITH NEUTRAL.
2. SOME FEEDER SIZES DO NOT MATCH BREAKER SIZE DUE TO UP-SIZING OF THE FEEDER FOR VOLTAGE DROP.
3. CONDUITS ARE SIZED PER NEC TABLES FOR THHN/THWN AND MAY BE UPSIZED FOR EASE OF PULLING OR DOWNSIZED AS ALLOWED PER NEC FOR CONDUIT TYPE(S) BEING INSTALLED.
4. ALL CONDUCTORS 100A AND LESS ARE SIZED PER 60 DEGREE LUGS, EC MAY SIZE CONDUCTORS FOR ACTUAL RATING OF LUGS PER NEC.

GENERAL NOTES

1. CONDUCTORS HAVE BEEN OVER-SIZED FOR VOLTAGE DROP.

KEYED NOTES

1. CONNECT EXISTING FEEDER TO NEW DISTRIBUTION PANEL.
2. PROVIDE SIEMENS TYPE FXD6 65KAIC CIRCUIT BREAKER
3. PROVIDE SIEMENS TYPE FXD7 65KAIC CIRCUIT BREAKER
4. NEW FEEDER ROUTED ACROSS ROOFTOP. SUPPORT/SECURE CONDUIT WITH ROOFTOP SUPPORTS SUCH AS DURA-BLOK OR EQUAL PRODUCTS.
5. NEW CT AND UTILITY METER.
6. LOCATE NEW SERVICE DISCONNECTS OUTSIDE ON BUILDING EXTERIOR WALL.
7. PROVIDE COMMON GROUNDING ELECTRODE CONDUCTOR AND TAPS PER NEC 250.64(D)(1). WITH A 3/0 Cu COMMON GEC AND 3/0 TAPS TO EACH SERVICE DISCONNECT.
8. FUSED INDIVIDUALLY MOUNTED BOLTED PRESSURE SWITCH. BP4A2

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice, WI 54556

Sheet Title: ELECTRICAL RISER DIAGRAM

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:

Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:35 PM

BID PACKAGE 4

E601R2

EQUIPMENT COORDINATION SCHEDULE

TAG	DESCRIPTION	HP / KW	MCA RLA/FLA	VOLTS	CONDUCTORS PH	CONDUCTORS N	CONDUCTORS GND	CONDUIT	LOCATION	PANEL	CIRCUIT	BREAKER /FUSE SIZE	STARTER TYPE	STARTER FURNISHED BY	STARTER INSTALLED BY	DISCONNECT TYPE	DISCONNECT FURNISHED BY	DISCONNECT INSTALLED BY	NOTE
P-1	IN FLOOR PUMP	1/16 HP	.5 MCA	120/1	#12	#12	#12	3/4"	141	NB	11	20/1	INT	MFG	MFG	NF	EC	EC	
P-2	IN FLOOR PUMP	1/16 HP	.5 MCA	120/1	#12	#12	#12	3/4"	124	NB	14	20/1	INT	MFG	MFG	NF	EC	EC	
UH-1	UNIT HEATER	3/4 HP	5.45 MCA	208/3	(3) #12	-	#12	3/4"	PENTHSE	MB	19,21,23	20/3	INT	MFG	MFG	NF	EC	EC	
UH-2	UNIT HEATER	3/4 HP	5.45 MCA	208/3	(3) #12	-	#12	3/4"	PENTHSE	MB	26,28,30	20/3	INT	MFG	MFG	NF	EC	EC	
UH-3	UNIT HEATER	3/4 HP	5.45 MCA	208/3	(3) #12	-	#12	3/4"	PENTHSE	MB	26,28,30	20/3	INT	MFG	MFG	NF	EC	EC	
UH-4	UNIT HEATER	3/4 HP	5.45 MCA	208/3	(3) #12	-	#12	3/4"	PENTHSE	MB	19,21,23	20/3	INT	MFG	MFG	NF	EC	EC	
UH-5	UNIT HEATER	3/4 HP	5.45 MCA	208/3	(3) #12	-	#12	3/4"	PENTHSE	MB	25,27,29	20/3	INT	MFG	MFG	NF	EC	EC	
UH-6	UNIT HEATER	3/4 HP	5.45 MCA	208/3	(3) #12	-	#12	3/4"	PENTHSE	MB	25,27,29	20/3	INT	MFG	MFG	NF	EC	EC	
HP-1	HEAT PUMP MODULE 1		42 MCA	208/3	(3) #6	-	#10	1"	PENTHSE	MB	37,39,41	60/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 2		32 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MB	38,40,42	60/3	INT	MFG	MFG	NF	MFG	EC	
HP-2	HEAT PUMP MODULE 1		42 MCA	208/3	(3) #6	-	#10	1"	PENTHSE	MA	31,33,35	60/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 2		32 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MA	37,39,41	60/3	INT	MFG	MFG	NF	MFG	EC	
HP-3	HEAT PUMP MODULE 1		42 MCA	208/3	(3) #6	-	#10	1"	PENTHSE	MA	32,34,36	60/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 2		42 MCA	208/3	(3) #6	-	#10	1"	PENTHSE	MA	38,40,42	60/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 3		24 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MA	8,10,12	35/3	INT	MFG	MFG	NF	MFG	EC	
HP-4	HEAT PUMP MODULE 1		42 MCA	208/3	(3) #6	-	#10	1"	PENTHSE	MA	20,22,24	60/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 2		42 MCA	208/3	(3) #6	-	#10	1"	PENTHSE	MA	26,28,30	60/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 3		24 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MA	14,16,18	35/3	INT	MFG	MFG	NF	MFG	EC	
HP-5	HEAT PUMP MODULE 1		42 MCA	208/3	(3) #6	-	#10	1"	PENTHSE	MA	25,27,29	60/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 2		24 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MA	19,21,23	35/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 3		24 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MA	13,15,17	35/3	INT	MFG	MFG	NF	MFG	EC	
HP-6	HEAT PUMP MODULE 1		32 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MB	31,33,35	50/3	INT	MFG	MFG	NF	MFG	EC	
	HEAT PUMP MODULE 2		24 MCA	208/3	(3) #8	-	#10	1"	PENTHSE	MB	32,34,36	35/3	INT	MFG	MFG	NF	MFG	EC	
EWH-1	ELECTRIC WALL HEATER	1500W	12.5 FLA	120/1	#12	#12	#12	3/4"	200	NF	53	20/1	INT	MFG	MFG	NF	MFG	MFG	
EWH-2	ELECTRIC WALL HEATER	1500W	12.5 FLA	120/1	#12	#12	#12	3/4"	145	MB	1	20/1	INT	MFG	MFG	NF	MFG	MFG	
EWH-3	ELECTRIC WALL HEATER	1500W	12.5 FLA	120/1	#12	#12	#12	3/4"	134	NB	42	20/1	INT	MFG	MFG	NF	MFG	MFG	
EWH-4	ELECTRICAL WALL HEATER	1500W	12.5 FLA	120/1	#12	#12	#12	3/4"	253	NS	1	20/1	INT	MFG	MFG	NF	MFG	MFG	
EWH-5	ELECTRICAL WALL HEATER	1500W	12.5 FLA	120/1	#12	#12	#12	3/4"	254	NS	2	20/1	INT	MFG	MFG	NF	MFG	MFG	
ERT-1	ROOFTOP UNIT		37.8 MCA	208/3	(3) #6	-	#10	1"	ROOF	NF	67,69,71	50/3	INT	MFG	MFG	NF	MFG	MFG	
ERT-2	ROOFTOP UNIT		35 MCA	20/8/3	(3) #6	-	#10	1"	ROOF	ROOF	13,15,17	50/3	INT	MFG	MFG	NF	MFG	MFG	
ERT-3	ROOFTOP UNIT		62 MCA	208/3	(3) #1	-	#8	1-1/2"	ROOF	NDP	32,34,36	80/3	INT	MFG	MFG	NF	MFG	MFG	
ERT-4	ROOFTOP UNIT		73.4 MCA	208/3	(3) #2/0	BP4A2 -	#6	2"	ROOF	NDP	37,39,41	90/3	INT	MFG	MFG	NF	MFG	MFG	
VAK-1	KILN FAN	1/20 HP	1.7 FLA	120/1	#12	#12	#12	3/4"	235	NA	12	20/1	INT	MFG	MFG	NF	MFG	MFG	
VAK-2	KILN FAN	1/8 HP	3.6 FLA	120/1	#12	#12	#12	3/4"	235	NA	12	20/1	INT	MFG	MFG	NF	MFG	MFG	
FC-1	FAN COIL	2 KW	10 FLA	208/1	(2) #12	-	#12	3/4"	LOCKER	NF	56,58	20/2	INT	MFG	MFG	NF	MFG	EC	
FC-2	FAN COIL	2 KW	10 FLA	208/1	(2) #12	-	#12	3/4"	LOCKER	NF	57,59	20/2	INT	MFG	MFG	NF	MFG	EC	
PRV-1	VENTILATOR	1/4 HP	5.8 FLA	120/1	#12	#12	#12	3/4"	ROOF	NF	55	20/1	WS	MFG	EC	NF	MFG	MFG	2
PRV-2	VENTILATOR	1/4 HP	5.8 FLA	120/1	#12	#12	#12	3/4"	ROOF	NF	55	20/1	WS	MFG	EC	NF	MFG	MFG	2
PRV-3	VENTILATOR	1/4 HP	5.8 FLA	120/1	#12	#12	#12	3/4"	ROOF	MB	2	20/1	WS	MFG	EC	NF	MFG	MFG	2
PRV-4	VENTILATOR	1/6 HP	4.4 FLA	120/1	#12	#12	#12	3/4"	ROOF	NA	10	20/1	WS	MFG	EC	NF	MFG	MFG	2
CP-1	CONDENSATE PUMP	1/50 HP	1 FLA	120/1	#12	#12	#12	3/4"	101	NC	17	20/1	INT	MFG	MFG	NF	EC	EC	
CP-2	CONDENSATE PUMP	1/50 HP	1 FLA	120/1	#12	#12	#12	3/4"	240A	LOCAL	LOCAL	20/1	INT	MFG	MFG	NF	EC	EC	
CP-3	CONDENSATE PUMP	1/50 HP	1 FLA	120/1	#12	#12	#12	3/4"	KITCHEN	LOCAL	LOCAL	20/1	INT	MFG	MFG	NF	EC	EC	
FTNESS CENTER ALTERNATE																			
BP4A1 RTU-4	PACKAGED ROOFTOP UNIT		39.3 MCA	208/3	#6	-	#10	1"	ROOF	NS	49,51,53	50/3	INT	MFG	MFG	NF	MFG	MFG	

GENERAL NOTES:
A. COORDINATE INSTALLATION OF MOTORS WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS.
B. CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE.
C. MCA=MINIMUM CIRCUIT AMPS; MOCP=MINIMUM OVER-CURRENT PROTECTION; RLA=RATED LOAD AMPS; FLA=FULL LOAD AMPS
D. EC=ELECTRICAL CONTRACTOR; MC=MECHANICAL CONTRACTOR; INT=INTERGRAL TO UNIT; EQM=EQUIPMENT MANUFACTURER

MOTOR SCHEDULE NOTES:
1. PROVIDE HP RATED TOGGLE SWITCH AT UNIT AS DISCONNECTING MEANS.
2. SEE MECHANICAL PLANS FOR WALL SWITCH STARTER LOCATION.

LIGHTING CONTROL PANEL: RP-1

LOCATION: X

RELAY #	CIRCUIT	CONTROL	AREA CONTROLLED
1	C-5	LO1	223,228
2	C-7	LO1	CORRIDOR
3	SPARE		
4	SPARE		
5	SPARE		
6	SPARE		
7	SPARE		
8	SPARE		

NOTES:
1. MASTER LIGHTING CONTROL PANEL
2. PROVIDE WITH INTEGRAL TIME CLOCK AND PHOTOSENSOR INPUT.
3. RELAY OPERATION SHALL BE MANUAL ON VIA LOCAL "LO1" SWITCHES, AUTOMATIC OFF VIA TIME SCHEDULE
3. 2 HOUR AFTER HOURS LIGHTING OVER-RIDE VIA "LO1" SWITCHES.
4. MASTER LIGHTING CONTROL PANEL NETWORKED TO SATELLITE PANELS.

LIGHITNG CONTROL PANEL: RP-2

LOCATION: X

RELAY #	CIRCUIT	CONTROL	AREA CONTROLLED
1	NF-5	LO2	CORRIDOR 201,259
2	NF-6	PHOTOSENSOR, TIMECLOCK	VISTIBULE 200, CANOPY
3	SPARE		-
4	SPARE		
5	SPARE		
6	SPARE		
7	SPARE		
8	SPARE		-

NOTES:
1. SATELLITE PANEL TO LIGHTING CONTROL PANEL 1
2. RELAY OPERATION SHALL BE MANUAL ON VIA LOCAL "LO4" SWITCHES, AUTOMATIC OFF TIME SCHEDULE/PHOTOSENSOR.
3. 2 HOUR AFTER HOURS LIGHTING OVER-RIDE VIA "LO4" SWITCHES.

LIGHITNG CONTROL PANEL: RP-3

LOCATION: X

RELAY #	CIRCUIT	CONTROL	AREA CONTROLLED
1	NC-33	LO3	CORRIDOR 108, 146,147
2	NC-35	LO5	CORRIDOR 100,134
3	NC-36	LO5	CORRIDOR 100,110,118
4	NC-37	LO5	CORRIDOR 121,138,122,139,123
5	SPARE		
6	SPARE		
7	SPARE		
8	SPARE		

NOTES:
1. SATELLITE PANEL TO LIGHTING CONTROL PANEL 1
2. RELAY OPERATION SHALL BE MANUAL ON VIA LOCAL "LO3" SWITCHES, AUTOMATIC OFF TIME SCHEDULE.
3. 2 HOUR AFTER HOURS LIGHTING OVER-RIDE VIA "LO3" SWITCHES.

LIGHTING CONTROL PANEL: RP-4

LOCATION: PE EQUIP 251

RELAY #	CIRCUIT	CONTROL	AREA CONTROLLED
1	NS-22	PHOTOSENSOR, TIMECLOCK	SITE LIGHTING (PARKING)
2	NS-23	PHOTOSENSOR, TIMECLOCK	SITE LIGHTING (PARKING)
3	NS-19	LO-4 SWITCHES	249, 253
4	SPARE		
5	SPARE		
6	SPARE		
7	SPARE		
8	SPARE		-

NOTES:
1. SATELLITE PANEL TO LIGHTING CONTROL PANEL 1
2. RELAY OPERATION SHALL BE MANUAL ON VIA LOCAL "LO4" SWITCHES, AUTOMATIC OFF TIME SCHEDULE/PHOTOSENSOR.
3. 2 HOUR AFTER HOURS LIGHTING OVER-RIDE VIA "LO4" SWITCHES.

LIGHTING CONTROL PANEL: LCP (CAFETERIA)

LOCATION: ELEC 243

RELAY #	CIRCUIT	CONTROL	AREA CONTROLLED
1	C-9	TOUCH PANEL	SWITCHLEG A
2	C-9	TOUCH PANEL	SWITCHLEG B
3	C-11	TOUCH PANEL	SWITCHLEG C
4	C-13	TOUCH PANEL	SWITCHLEG D
5	C-13	TOUCH PANEL	SWITCHLEG E
6	C-15	TOUCH PANEL	SWITCHLEG F
7	C-15	TOUCH PANEL	SWITCHLEG G
8	C-19	TOUCH PANEL	SWITCHLEG H
9	C-19	TOUCH PANEL	SWITCHLEG I
10	C-19	TOUCH PANEL	SWITCHLEG J
11	C-25	TOUCH PANEL	SWITCHLEG K
12	C-25	TOUCH PANEL	SWITCHLEG L
13	C-25	TOUCH PANEL	SWITCHLEG M
14	SPARE		
15	SPARE		-

NOTES:
1. CONTACTOR OPERATION SHALL BE MANUAL ON VIA LOCAL TOUCH PANEL, AUTOMATIC OFF VIA TIME SCHEDULE.
2. 2 HOUR AFTER HOURS LIGHTING OVER-RIDE VIA "TOUCH PANEL" SWITCHES.
3. ALL RELAYS IN THIS PANEL SHALL BE DIMMABLE VIA 0-10V INPUT.
4. BASED ON CRESTRON LIGHTING CONTROL PANEL. INTERFACE WITH CAFETERIA SOUND SYSTEM CONTROL.

EQUIPMENT COORDINATION SCHEDULE

TAG	DESCRIPTION	HP / KW	MCA RLA/FLA	VOLTS	CONDUCTORS PH	CONDUCTORS N	CONDUCTORS GND	CONDUIT	LOCATION	PANEL	CIRCUIT	BREAKER /FUSE SIZE	STARTER TYPE	STARTER FURNISHED BY	STARTER INSTALLED BY	DISCONNECT TYPE	DISCONNECT FURNISHED BY	DISCONNECT INSTALLED BY	NOTE
VRF 1-1	VRF INDOOR UNIT		.43 MCA	208/1	(2) #12	-	#12	3/4"	227	LOCAL	FIELD	20/2	INT	EQM	EQM	NF	EQM	EQM	1
VRF 1-2	VRF INDOOR UNIT		.54 MCA	208/1	(2) #12	-	#12	3/4"	262	LOCAL	FIELD	20/2	INT	EQM	EQM	NF	EQM	EQM	1
VRF 1-3	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	226	LOCAL	FIELD	20/2	INT	EQM	EQM	NF	EQM	EQM	1
VRF 1-4	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	225	LOCAL	FIELD	20/2	INT	EQM	EQM	NF	EQM	EQM	1
VRF 1-5	VRF INDOOR UNIT		.54 MCA	208/1	(2) #12	-	#12	3/4"	224A	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-6	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	224B	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-7	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	261	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-8	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	260	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-9	VRF INDOOR UNIT		.33 MCA	208/1	(2) #12	-	#12	3/4"	223	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-10	VRF INDOOR UNIT		.25 MCA	208/1	(2) #12	-	#12	3/4"	201	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-11	VRF INDOOR UNIT		.54 MCA	208/1	(2) #12	-	#12	3/4"	201	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-12	VRF INDOOR UNIT		.28 MCA	208/1	(2) #12	-	#12	3/4"	217	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-13	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	218	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-14	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	220	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-15	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	221	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-16	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	214	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 1-17	VRF INDOOR UNIT		.43 MCA	208/1	(2) #12	-	#12	3/4"	OP OFFICE	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-1	VRF INDOOR UNIT		.92 MCA	208/1	(2) #12	-	#12	3/4"	258	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-2	VRF INDOOR UNIT		.92 MCA	208/1	(2) #12	-	#12	3/4"	257	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-3	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	256	NF	49,51	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-4	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	255	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-5	VRF INDOOR UNIT		1.27 MCA	208/1	(2) #12	-	#12	3/4"	203	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-6	VRF INDOOR UNIT		.54 MCA	208/1	(2) #12	-	#12	3/4"	200	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-7	VRF INDOOR UNIT		.29 MCA	208/1	(2) #12	-	#12	3/4"	205	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-8	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	206	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-9	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	207	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 2-10	VRF INDOOR UNIT		.29 MCA	208/1	(2) #12	-	#12	3/4"	208	NF	52,54	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-1	VRF INDOOR UNIT		.54 MCA	208/1	(2) #12	-	#12	3/4"	101	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-2	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	100	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-3	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	111	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-4	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	113	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-5	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	117	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-6	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	119	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-7	VRF INDOOR UNIT		.54 MCA	208/1	(2) #12	-	#12	3/4"	138,139	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-8	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	135B	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-9	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	135A	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-11	VRF INDOOR UNIT		1.27 MCA	208/1	(2) #12	-	#12	3/4"	144	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-12	VRF INDOOR UNIT		.92 MCA	208/1	(2) #12	-	#12	3/4"	140	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-13	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	142	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-14	VRF INDOOR UNIT		.07 MCA	208/1	(2) #12	-	#12	3/4"	141	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 3-15	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	143	NB	31,33	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-1	VRF INDOOR UNIT		.28 MCA	208/1	(2) #12	-	#12	3/4"	108A	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-2	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	115	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-3	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	112	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-4	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	114	NC	23,25	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-5	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	116	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-6	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	120	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-7	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	122,123	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-8	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	132B	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-9	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	132A	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-10	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	130	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-11	VRF INDOOR UNIT		1.27 MCA	208/1	(2) #12	-	#12	3/4"	125	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-12	VRF INDOOR UNIT		.92 MCA	208/1	(2) #12	-	#12	3/4"	129	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-13	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	128	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-14	VRF INDOOR UNIT		.07 MCA	208/1	(2) #12	-	#12	3/4"	124	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 4-15	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	127	NB	32,34	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-1	VRF INDOOR UNIT		.43 MCA	208/1	(2) #12	-	#12	3/4"	241	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-2	VRF INDOOR UNIT		.57 MCA	208/1	(2) #12	-	#12	3/4"	242	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-3	VRF INDOOR UNIT		.25 MCA	208/1	(2) #12	-	#12	3/4"	CORRIDOR	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-4	VRF INDOOR UNIT		.28 MCA	208/1	(2) #12	-	#12	3/4"	245	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-5	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	246	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-6	VRF INDOOR UNIT		.25 MCA	208/1	(2) #12	-	#12	3/4"	232	NA	20,22	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-7	VRF INDOOR UNIT		.39 MCA	208/1	(2) #12	-	#12	3/4"	CORRIDOR	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-8	VRF INDOOR UNIT		.92 MCA	208/1	(2) #12	-	#12	3/4"	237	NA	20,22	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-9	VRF INDOOR UNIT		.38 MCA	208/1	(2) #12	-	#12	3/4"	233	NA	20,22	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-10	VRF INDOOR UNIT		.28 MCA	208/1	(2) #12	-	#12	3/4"	228	NA	20,22	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-11	VRF INDOOR UNIT		.63 MCA	208/1	(2) #12	-	#12	3/4"	239	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-12	VRF INDOOR UNIT		.63 MCA	208/1	(2) #12	-	#12	3/4"	239	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-13	VRF INDOOR UNIT		.63 MCA	208/1	(2) #12	-	#12	3/4"	239	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-14	VRF INDOOR UNIT		.63 MCA	208/1	(2) #12	-	#12	3/4"	240	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-15	VRF INDOOR UNIT		.63 MCA	208/1	(2) #12	-	#12	3/4"	240	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 5-16	VRF INDOOR UNIT		.25 MCA	208/1	(2) #12	-	#12	3/4"	FD STOR	C	1,3	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-1	VRF INDOOR UNIT		2.73 MCA	208/1	(2) #12	-	#12	3/4"	149	NC	26,28	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-2	VRF INDOOR UNIT		2.73 MCA	208/1	(2) #12	-	#12	3/4"	149	NC	26,28	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-3	VRF INDOOR UNIT		3.33 MCA	208/1	(2) #12	-	#12	3/4"	148	NC	26,28	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-4	VRF INDOOR UNIT		1.05 MCA	208/1	(2) #12	-	#12	3/4"	152-156	NC	26,28	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-5	VRF INDOOR UNIT		.24 MCA	208/1	(2) #12	-	#12	3/4"	146	NC	26,28	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-6	VRF INDOOR UNIT		.19 MCA	208/1	(2) #12	-	#12	3/4"	248	NS	3,5	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-7	VRF INDOOR UNIT		2.73 MCA	208/1	(2) #12	-	#12	3/4"	249	NS	3,5	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-8	VRF INDOOR UNIT		2.73 MCA	208/1	(2) #12	-	#12	3/4"	252	NS	3,5	20/2	INT	EQM	EQM	NF	EQM	EQM	
VRF 6-9	VRF INDOOR UNIT		16.5 MCA	208/1	(2) #10	-	#10	3/4"	002	NS	20,22	30/2	INT	EQM	EQM	NF	EQM	EQM	

GENERAL NOTES:
A. COORDINATE INSTALLATION OF MOTORS WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS.
B. CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE.
C. MCA=MINIMUM CIRCUIT AMPS; MOCP=MINIMUM OVER-CURRENT PROTECTION; RLA=RATED LOAD AMPS; FLA=FULL LOAD AMPS
D. EC=ELECTRICAL CONTRACTOR; MC=MECHANICAL CONTRACTOR; INT=INTERGRAL TO UNIT; EQM=EQUIPMENT MANUFACTURER

MOTOR SCHEDULE NOTES:
1. SEE FLOORPLAN KEYED NOTE #3 FOR CIRCUITING DESCRIPTION.
2. PROVIDE WATERPROOF (NEMA 3R) DISCONNECT SWITCH AT UNIT.

BID PACKAGE 4

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice,WI 54556

Sheet Title: ELECTRICAL SCHEDULES

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:

Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

Last Update: 1/2/2019 11:55:36 PM

E701R2

PANELBOARD: EX MDP

BUS AMPACITY:
Supply From:
Mounting:
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains: 1600 A

BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
EX...	Existing Panel CP	225 A	3	0.0	10.1					3	90 A	ITEM 3A Booster Htr	EX...
EX...	--	--	--			0.0	10.1			--	--	--	EX...
EX...	--	--	--					0.0	10.1	--	--	--	EX...
EX...	Existing Panel M	225 A	3	0.0	0.0					3	225 A	Existing panel M2	EX...
EX...	--	--	--			0.0	0.0			--	--	--	EX...
EX...	--	--	--					0.0	0.0	--	--	--	EX...
EX...	New Panel MB	225 A	3	21.7	0.0					3	225 A	Existing Panel B	EX...
EX...	--	--	--			19.8	0.0			--	--	--	EX...
EX...	--	--	--					19.5	0.0	--	--	--	EX...
EX...	Panel K1/K	225 A	3	20.4	0.0					3	225 A	Existing Panel A	EX...
EX...	--	--	--			22.2	0.0			--	--	--	EX...
EX...	--	--	--					18.2	0.0	--	--	--	EX...
EX...	Space	--	--	0.0	0.0					--	--	Space	EX...
EX...	Space	--	--			0.0	0.0			--	--	Space	EX...
EX...	Space	--	--					0.0	0.0	--	--	Space	EX...
EX...	Existing Panel W	400 A	3	0.0	0.0					3	400 A	Existing Field Lighting	EX...
EX...	--	--	--			0.0	0.0			--	--	--	EX...
EX...	--	--	--					0.0	0.0	--	--	--	EX...
EX...	Panel M1	400 A	3	0.0	0.0					3	400 A	Existing 4004 Disc	EX...
EX...	--	--	--			0.0	0.0			--	--	--	EX...
EX...	--	--	--					0.0	0.0	--	--	--	EX...
EX...	Existing Panel S	400 A	3	0.0	44.4					3	400 A	New Panel MA	EX...
EX...	--	--	--			0.0	44.4			--	--	--	EX...
EX...	--	--	--					0.0	44.4	--	--	--	EX...
EX...					67.3					3	1 A	Existing Load	EX...
EX...							67.3			--	--	--	EX...
EX...									67.3	--	--	--	EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
EX...													EX...
		Total Load:		163.9 kVA		163.6 kVA		159.5 kVA					
		Total Amps:		1371 A		1368 A		1329 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC Heating	1500 VA	100.00%	1500 VA		
Kitchen Equipment - Non-Dwelling Unit	41970 VA	65.00%	27280 VA	**Total Conn. Load:**	486889 VA
Lighting	250 VA	125.00%	313 VA	**Total Est. Demand:**	476107 VA
Miscellaneous	43928 VA	100.00%	43928 VA	**Total Conn. Current:**	1351 A
Motor	192472 VA	101.96%	196252 VA	**Total Est. Demand Current:**	1322 A
Receptacle	5375 VA	100.00%	5375 VA	**Non-Coincident...**	0 A
Spare	201999 VA	100.00%	201999 VA	**Total Est. Demand - NC:**	1322 A

Notes:

PANELBOARD: NDP

BUS AMPACITY:
Supply From: 1200A, 120 V/208 V, Three Phase, 4 Wires,...
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains: 1000 A

BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
NDP-1	ROOF (Existing)	200 A	3	13.6	0.0					3	100 A	BSMT E (Existing)	NDP-2
NDP-3	--	--	--			13.9	0.0			--	--	--	NDP-4
NDP-5	--	--	--					13.9	0.0	--	--	--	NDP-6
NDP-7	JANITOR (Existing)	70 A	3	0.0									NDP-8
NDP-9	--	--	--			0.0							NDP-10
NDP-11	--	--	--					0.0					NDP-12
NDP-13	B (Existing)	225 A	3	0.0	15.9					3	225 A	NF	NDP-14
NDP-15	--	--	--			0.0	15.0			--	--	--	NDP-16
NDP-17	--	--	--					0.0	14.2	--	--	--	NDP-18
NDP-19	A (Existing)	225 A	3	0.0	4.5					3	225 A	C (EXIST RELOCATED)	NDP-20
NDP-21	--	--	--			0.0	3.7			--	--	--	NDP-22
NDP-23	--	--	--					0.0	0.9	--	--	--	NDP-24
NDP-25	NA	225 A	3	7.6	12.7					3	225 A	NB	NDP-26
NDP-27	--	--	--			9.6	13.8			--	--	--	NDP-28
NDP-29	--	--	--					9.9	13.3	--	--	--	NDP-30
NDP-31	NS	225 A	3	16.8	7.4					3	80 A	ERT-3	NDP-32
NDP-33	--	--	--			15.0	7.4			--	--	--	NDP-34
NDP-35	--	--	--					13.5	7.4	--	--	--	NDP-36
NDP-37	ERT-4	90 A	3	8.8	13.1					3	225 A	NC	NDP-38
NDP-39	--	--	--			8.8	10.2			--	--	--	NDP-40
NDP-41	--	--	--					8.8	13.0	--	--	--	NDP-42
NDP-43													NDP-44
NDP-45													NDP-46
NDP-47													NDP-48
NDP-49													NDP-50
NDP-51													NDP-52
NDP-53													NDP-54
		Total Load:		99.4 kVA		96.4 kVA		93.8 kVA					
		Total Amps:		831 A		806 A		782 A					

BP4A1

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC Blowers	1054 VA	100.00%	1054 VA		
HVAC Heating	6840 VA	100.00%	6840 VA	**Total Conn. Load:**	288107 VA
Lighting	29237 VA	125.00%	36546 VA	**Total Est. Demand:**	255443 VA
Miscellaneous	10788 VA	100.00%	10788 VA	**Total Conn. Current:**	800 A
Motor	137355 VA	104.81%	143961 VA	**Total Est. Demand Current:**	709 A
Other	1980 VA	100.00%	1980 VA	**Non-Coincident...**	0 A
Receptacle	106070 VA	54.71%	58035 VA	**Total Est. Demand - NC:**	709 A
Spare	600 VA	100.00%	600 VA		
Power	0 VA	0.00%	0 VA		

Notes:

PANELBOARD: MA

BUS AMPACITY:
Supply From: EX MDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains: 400 A

BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1													2
3													4
5													6
7						2.9				3	35 A	HP-3C	8
9							2.9			--	--	--	10
11								2.9		--	--	--	12
13	HP-5C	35 A	3	2.9	2.9					3	35 A	HP-4C	14
15	--	--	--			2.9	2.9			--	--	--	16
17	--	--	--					2.9	2.9	--	--	--	18
19	HP-5B	35 A	3	2.9	5.0					3	60 A	HP-4A	20
21	--	--	--			2.9	5.0			--	--	--	22
23	--	--	--					2.9	5.0	--	--	--	24
25	HP-5A	60 A	3	3.8	5.0					3	60 A	HP-4B	26
27	--	--	--			3.8	5.0			--	--	--	28
29	--	--	--					3.8	5.0	--	--	--	30
31	HP-2A	60 A	3	5.0	5.0					3	60 A	HP-3A	32
33	--	--	--			5.0	5.0			--	--	--	34
35	--	--	--					5.0	5.0	--	--	--	36
37	HP-2B	60 A	3	3.8	5.0					3	60 A	HP-3B	38
39	--	--	--			3.8	5.0			--	--	--	40
41	--	--	--					3.8	5.0	--	--	--	42
		Total Load:		44.4 kVA		44.4 kVA		44.4 kVA					
		Total Amps:		370 A		370 A		370 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	133200 VA	102.84%	136980 VA		
				Total Conn. Load:	133200 VA
				Total Est. Demand:	136980 VA
				Total Conn. Current:	370 A
				Total Est. Demand Current:	380 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	380 A

Notes:

PANELBOARD: MB

BUS AMPACITY:
Supply From: EX MDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains: 225 A

BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
MB-1	EWH-2	20 A	1	1.5	0.7					1	20 A	PRV-3	MB-2
MB-3	Lighting Room 109	20 A	1			0.3							MB-4
MB-5													MB-6
MB-7													MB-8
MB-9													MB-10
MB-11													MB-12
MB-13													MB-14
MB-15													MB-16
MB-17													MB-18
MB-19	UH-1,4	20 A	3	1.3									MB-20
MB-21	--	--	--			1.3							MB-22
MB-23	--	--	--					1.3					MB-24
MB-25	UH-5,6	20 A	3	1.3	1.3					3	20 A	UH-2,3	MB-26
MB-27	--	--	--			1.3	1.3			--	--	--	MB-28
MB-29	--	--	--					1.3	1.3	--	--	--	MB-30
MB-31	HP-6A	50 A	3	3.8	2.9					3	35 A	HP-6B	MB-32
MB-33	--	--	--			3.8	2.9			--	--	--	MB-34
MB-35	--	--	--					3.8	2.9	--	--	--	MB-36
MB-37	HP-1A	60 A	3	5.0	3.8					3	60 A	HP-1B	MB-38
MB-39	--	--	--			5.0	3.8			--	--	--	MB-40
MB-41	--	--	--					5.0	3.8	--	--	--	MB-42
		Total Load:		21.7 kVA		19.8 kVA		19.5 kVA					
		Total Amps:		181 A		165 A		163 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC Heating	1500 VA	100.00%	1500 VA		
Lighting	250 VA	125.00%	313 VA	**Total Conn. Load:**	61022 VA
Motor	59272 VA	106.38%	63052 VA	**Total Est. Demand:**	64865 VA
				Total Conn. Current:	169 A
				Total Est. Demand Current:	180 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	180 A

Notes:

PANELBOARD: A

BUS AMPACITY:
Supply From: NDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains: 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
A-1	Lts Mutli Purpose Rm	20 A	1	0.0	0.0					1	20 A	Lts Mutli Purpose Rm	A-2
A-3	Lts Multi Purpose Rm	20 A	1			0.0	0.0			1	20 A	Lts Multi Purpose Rm	A-4
A-5	Lts Multi Purpose Rm	20 A	1					0.0	0.0	1	20 A	Lts Multi Purpose Rm	A-6
A-7	Lts Home Ec Rm	20 A	1	0.0	0.0					1	20 A	Lts Home Ec Rm	A-8
A-9	Lts Home Ec Rm	20 A	1			0.0	0.0			1	20 A	Lts Rm 7	A-10
A-11	Lts Rm 7 and 8	20 A	1					0.0	0.0	1	20 A	Lts Rm 8	A-12
A-13	Rec Dining Rm	20 A	1	0.0	0.0					1	20 A	Rec Multi Purpose Rm, Clocks	A-14
A-15	Lts Meter Rm and Rm 9	20 A	1			0.0	0.0			1	20 A	Lts bathrooms, Janitor, Rm 9	A-16
A-17	Rec Girls Bath, Rm 9, Elec Rm	20 A	1					0.0	0.0	1	20 A	Rec Boys Bath, Janitor	A-18
A-19	Rec Rm 7, 8	20 A	1	0.0	0.0					1	20 A	Home Ec EF, Outside Rec	A-20
A-21	Lts Hall	20 A	1			0.0	0.0			1	20 A	Rec Hall	A-22
A-23	Rec Hall	20 A	1					0.0	0.0	1	20 A	Lts Library	A-24
A-25	Lts Library	20 A	1	0.0	0.0					1	20 A	Lts Library	A-26
A-27	Rec Librabry	20 A	1			0.0	0.0			1	20 A	EF Bathrooms, Janitor	A-28
A-29	Spare	20 A	1					0.0	0.0	1	20 A	Kitchen	A-30
A-31	Lts Wall Packs	20 A	1	0.0	0.0					1	20 A	Spare	A-32
A-33	Lts South Exterior	20 A	1			0.0	0.0			1	20 A	Rec C.R. Rightside Back 2 rows	A-34
A-35	Greenhouse	60 A	2					0.0	0.0	1	20 A	Rec C.R. Rightside Back 2 rows	A-36
A-37	--	--	--	0.0									A-38
A-39							0.0			1	20 A	Special Ed	A-40
A-41								0.0	--	--		Space	A-42
		Total Load:		0.0 kVA		0.0 kVA		0.0 kVA					
		Total Amps:		0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	0 A

Notes:

PANELBOARD: B

BUS AMPACITY:
Supply From: NDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains: 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
B-1	Dryer	30 A	2	0.0	0.0					1	20 A	Existing	B-2
B-3	--	--	--			0.0	0.0			1	20 A	Existing	B-4
B-5	Rec C.R. Last Row Left	20 A	1					0.0	0.0	1	20 A	NAC	B-6
B-7	Existing	20 A	2	0.0	0.0					1	20 A	FACP	B-8
B-9	--	--	--			0.0	0.0			1	20 A	Flr Rec Ctr Home Ec	B-10
B-11	Rec Flr	20 A	1					0.0	0.0	1	20 A	Existing	B-12
B-13	Existing	20 A	1	0.0	0.0					1	20 A	Existing	B-14
B-15	Existing	20 A	1			0.0	0.0			1	20 A	Existing	B-16
B-17	Existing	20 A	1					0.0	0.0	1	20 A	Dishwasher Home EC	B-18
B-19	Rec Flr	20 A	1	0.0	0.0					2	30 A	RTU Rm 9	B-20
B-21	RTU Rm 10	20 A	2			0.0	0.0			--	--	--	B-22
B-23	--	--	--					0.0	0.0	1	20 A	Rm9 RTU Rec	B-24
B-25	Rm 10 RTU Rec	20 A	1	0.0	0.0					--	--	Space	B-26
B-27	Driver Ed Hook Up	100 A	2			0.0	0.0			--	--	100A Breaker	B-28
B-29	--	--	--					0.0	0.0	--	--	100A Breaker	B-30
B-31	Rec C.R. Middle Row Left	20 A	1	0.0	0.0					2	50 A	Stove	B-32
B-33	Rec C.R. Front Row Left	20 A	1			0.0	0.0			--	--	--	B-34
B-35	Home Ec Stove	50 A	2					0.0	0.0	2	50 A	Stove	B-36
B-37	--	--	--	0.0	0.0					--	--	--	B-38
B-39	Home Ec Stove	60 A	2			0.0	0.0			2	50 A	Stove	B-40
B-41	--	--	--					0.0	0.0	--	--	--	B-42
		Total Load:		0.0 kVA		0.0 kVA		0.0 kVA					
		Total Amps:		0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	0 A

Notes:

BID PACKAGE 4

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Project Title:
PRENTICE SCHOOL DISTRICT
ADDITION AND REMODELING

Project Location: 1025 Town Street
Prentice,WI 54556

Sheet Title:
ELECTRICAL SCHEDULES

HSR Project Number:
18022

Project Date:
NOVEMBER 30, 2018

Drawn By:
JLW

Key Plan:

Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale:
VARIES

Last Update:
1/2/2019 11:55:37 PM

E702R2

PANELBOARD: C

BUS AMPACITY:
Supply From: NDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains: 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
C-1	VRF 5/1-5/5,5/7,5/11-5/15	20 A	2	0.6	0.6					1	20 A	Lighting Control Panels	C-2
C-3	--	--	--			0.6	1.4			1	20 A	Receptacle IT OFFICE...	C-4
C-5	Lighting CORRIDOR 228	20 A	1					0.6	0.0	1	20 A	Spare Created From Demo	C-6
C-7	Lighting Room 130, 232	20 A	1	0.6	0.0					1	20 A	Spare Created From Demo	C-8
C-9	Lighting Room 238, 239	20 A	1			0.8	0.0			1	20 A	Ex Spare	C-10
C-11	Lighting CAFETERIA 239	20 A	1					0.3	0.0	1	20 A	Ex Mr Krause	C-12
C-13	Lighting CAFETERIA 239	20 A	1	0.4	0.0					1	20 A	Ex Rec Mr Krause	C-14
C-15	Lighting Track cafeteria	20 A	1			0.9	0.0			1	20 A	Spare Created From Demo	C-16
C-17	Ex Distance Learning Lab	20 A	1					0.0	0.0	1	20 A	Ex Rm #5	C-18
C-19	Lighting CIRCULATION 238	20 A	1	0.9	0.0					1	20 A	Spare Created From Demo	C-20
C-21	Ex Cafeteria/Home Ec.	20 A	1			0.0	0.0			1	20 A	Ex Rm #2	C-22
C-23	Ex Janitor Rm	20 A	1					0.0	0.0	1	20 A	Ex Rm #3	C-24
C-25	Lighting CIRCULATION 238	20 A	1	0.9	0.0					1	20 A	Ex Spanish Rm	C-26
C-27	Ex Library	20 A	1			0.0	0.0			1	20 A	Spare Created From Demo	C-28
C-29	Ex Distance Learning Lab	20 A	1					0.0	0.0	1	20 A	Ex Spare	C-30
C-31	Other CIRCULATION 238	20 A	1	0.5	0.0					1	20 A	Ex New Phone Plug	C-32
C-33	Ex Distance Learning Lab	20 A	1			0.0	0.0			1	20 A	Ex New Phone Plug	C-34
C-35	Ex Distance Learning Lab	20 A	1					0.0	0.0	1	20 A	Ex Distance Learning Lab	C-36
C-37	Ex Distance Learning Lab	20 A	1	0.0	0.0					1	20 A	Spare Created From Demo	C-38
C-39	Ex Library	20 A	1			0.0	0.0			1	20 A	Spare Created From Demo	C-40
C-41	Ex Distance Learning Lab	20 A	1					0.0	0.0	1	20 A	Ex Distance Learning Lab	C-42
			Total Load:	4.5 kVA		3.7 kVA		0.9 kVA					
			Total Amps:	42 A		34 A		7 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	5253 VA	125.00%	6566 VA		
Motor	1277 VA	102.56%	1310 VA	**Total Conn. Load:**	8428 VA
Other	540 VA	100.00%	540 VA	**Total Est. Demand:**	9773 VA
Receptacle	1440 VA	100.00%	1440 VA	**Total Conn. Current:**	23 A
				Total Est. Demand Current:	27 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	27 A

Notes:

PANELBOARD: JANITOR

BUS AMPACITY:
Supply From: NDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains: 100 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Ex Art Rm, Rec West side	20 A	1	0.0	0.0					1	20 A	Rec Computer, Time Clock	2
3	Ex Rec Art Rm Sink	20 A	1			0.0	0.0			1	20 A	Rec East Side	4
5	Ex Art Rm Power Pole	20 A	1					0.0	0.0	1	20 A	Art Rm Exit Door, Plugmold	6
7	Ex Art Lts	20 A	1	0.0	0.0					1	20 A	Ex Art Lts	8
9	Ex Art Lts	20 A	1			0.0	0.0			1	20 A	Ex Art Lts	10
11	Ex Art BB Heat	20 A	2					0.0	0.0	1	15 A	Ex Art Rm Track Lts	12
13	--	--	--	0.0	0.0					1	20 A	Ex C.R North Wall	14
15	Art Rm West Plugmold	20 A	1			0.0	0.0			1	20 A	Ex Lts Rm 12	16
17	Art Rm West Plugmold	20 A	1					0.0	0.0	1	20 A	Ex Lts Rm 12	18
19	Microwave	20 A	1	0.0	0.0					1	20 A	Ex C.R. South Wall	20
			Total Load:	0.0 kVA		0.0 kVA		0.0 kVA					
			Total Amps:	0 A		0 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	0 A

Notes:

PANELBOARD: NA

BUS AMPACITY:
Supply From: NDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains: 225 A
BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
NA-1	Lighting Room 236, 235, 233, 234, 237	20 A	1	0.9	1.2					1	20 A	Rec Cord Reel ART 237	NA-2
NA-3	Track Lighting ART 237	20 A	1			1.2	1.2			1	20 A	Rec Cord Reel ART 237	NA-4
NA-5	Lighting ART 237	20 A	1					1.2	1.2	1	20 A	Rec Cord Reel ART 237	NA-6
NA-7	Lighting ART 237	20 A	1	0.6	1.2					1	20 A	Rec Cord Reel ART 237	NA-8
NA-9	Receptacle ART 237	20 A	1			1.1	0.7			1	20 A	PRV-4	NA-10
NA-11	Receptacle ART 237	20 A	1					1.1	0.6	1	20 A	Motor	NA-12
NA-13	Other ART 237	20 A	1	0.9	1.0					1	20 A	Receptacle SEATING 232	NA-14
NA-15	ART 237	20 A	1			0.4	1.0			1	20 A	Receptacle SEATING 232	NA-16
NA-17	Other ART 237	20 A	1					0.0	1.0	1	20 A	Receptacle SEATING 232	NA-18
NA-19				0.2						2	20 A	vrf5/6,5/8,5/10	NA-20
NA-21						0.2				--	--	--	NA-22
NA-23									0.9	1	20 A	Receptacle Room 237, 232, 236	NA-24
NA-25				0.2						1	20 A	Receptacle SCHOOL...	NA-26
NA-27						0.2				1	20 A	Receptacle SCHOOL...	NA-28
NA-29	Space	--	--					0.0	0.4	1	20 A	Receptacle SCHOOL...	NA-30
NA-31	Space	--	--	0.0	0.0					1	20 A	Spare	NA-32
NA-33	Space	--	--			0.0	0.2			1	20 A	Skylight Shade ART 237	NA-34
NA-35	Space	--	--					0.0	0.0	1	20 A	Spare	NA-36
NA-37	Space	--	--	0.0	1.7					1	20 A	Kiln	NA-38
NA-39	Space	--	--			0.0	3.7			2	45 A	KILN	NA-40
NA-41	Space	--	--					0.0	3.7	--	--	--	NA-42
			Total Load:	7.6 kVA		9.6 kVA		9.9 kVA					
			Total Amps:	64 A		82 A		85 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	3808 VA	125.00%	4759 VA		
Miscellaneous	7488 VA	100.00%	7488 VA	**Total Conn. Load:**	27052 VA
Motor	1878 VA	109.32%	2053 VA	**Total Est. Demand:**	26576 VA
Other	900 VA	100.00%	900 VA	**Total Conn. Current:**	75 A
Receptacle	13231 VA	87.79%	11616 VA	**Total Est. Demand Current:**	74 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	74 A

Notes:
CIRCUITS 2,4,6,8 SHALL BE GFCI BREAKERS.

PANELBOARD: NB

BUS AMPACITY:
Supply From: NDP
Mounting: Recessed
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains: 225 A
BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
NB-1	Lighting Room 140, 143, 142, 144, 141	20 A	1	0.7	0.6					1	20 A	Lighting Room 129, 125, 128, 124, 179, 126	NB-2
NB-3	Lighting Room 132B, 132A, 135A, 135B, 13...	20 A	1			0.8	1.0			1	20 A	Lighting Room 120, 116	NB-4
NB-5	Lighting Room 119, 117	20 A	1					1.0	0.6	1	20 A	Lighting K 140	NB-6
NB-7	Receptacle 1K 140	20 A	1	1.4	0.7					1	20 A	Lighting Room 125, 128, 127, 124	NB-8
NB-9	Receptacle 1K 140	20 A	1			1.3	1.4			1	20 A	Receptacle 4K 129	NB-10
NB-11	Rec Room 141, 143, 142, 136, 137, 139, P-1	20 A	1					1.3	1.3	1	20 A	Receptacle 4K 129	NB-12
NB-13	Receptacle 1K 144	20 A	1	1.4	1.0					1	20 A	Receptacle Room 124, 131, 130, 123, 128,...	NB-14
NB-15	Receptacle 1K 144	20 A	1			1.3	1.4			1	20 A	Receptacle 4K 125	NB-16
NB-17	Receptacle Room 135B, 135A	20 A	1					0.9	1.3	1	20 A	Receptacle 4K 125	NB-18
NB-19	Receptacle Room 135B, 135A	20 A	1	1.1	1.1					1	20 A	Receptacle Room 132A, 132B, 131	NB-20
NB-21	Receptacle CLASSROOM 119	20 A	1			1.6	1.1			1	20 A	Receptacle Room 132A, 132B	NB-22
NB-23	Receptacle CLASSROOM 119	20 A	1					1.3	1.6	1	20 A	Receptacle CLASSROOM 120	NB-24
NB-25	Receptacle CLASSROOM 117	20 A	1	1.6	1.3					1	20 A	Receptacle CLASSROOM 120	NB-26
NB-27	Receptacle CLASSROOM 117	20 A	1			1.3	1.6			1	20 A	Receptacle CLASSROOM 116	NB-28
NB-29	Receptacle Room 121, 118	20 A	1					0.5	1.3	1	20 A	Receptacle CLASSROOM 116	NB-30
NB-31	VRF 3/5 - 3/9, 3/11-3/15	20 A	2	0.5	0.6					2	20 A	VRF 4/5-4/15	NB-32
NB-33	--	--	--			0.5	0.6			--	--	--	NB-34
NB-35	Rec IDF 141	20 A	1					0.4	0.5	1	20 A	Receptacle Exterior	NB-36
NB-37	Rec IDF 141	20 A	1	0.4	0.4					1	20 A	Receptacle VESTIBULE 127	NB-38
NB-39													NB-40
NB-41								1.5	1	2	20 A	EWH-3	NB-42
NB-43				0.0						1	20 A	Spare	NB-44
NB-45	Spare	20 A	1			0.0	0.0			1	20 A	Spare	NB-46
NB-47	Spare	20 A	1					0.0	0.0	1	20 A	Spare	NB-48
NB-49	Spare	20 A	1	0.0	0.0					1	20 A	Spare	NB-50
NB-51	Spare	20 A	1			0.0	0.0			1	20 A	Spare	NB-52
NB-53	Spare	20 A	1					0.0	0.0	1	20 A	Spare	NB-54
			Total Load:	12.7 kVA		13.8 kVA		13.3 kVA					
			Total Amps:	106 A		116 A		112 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC Heating	1500 VA	100.00%	1500 VA		
Lighting	5527 VA	125.00%	6909 VA	**Total Conn. Load:**	39797 VA
Motor	2336 VA	102.83%	2402 VA	**Total Est. Demand:**	30861 VA
Receptacle	30780 VA	66.24%	20390 VA	**Total Conn. Current:**	110 A
Power	0 VA	0.00%	0 VA	**Total Est. Demand Current:**	86 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	86 A

Notes:

PANELBOARD: NC

BUS AMPACITY:
Supply From: NDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains: 225 A
BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
NC-1	Lighting Room 113, 111	20 A	1	1.0	1.0					1	20 A	Lighting Room 114, 112	NC-2
NC-3	Lighting Room 105, 102A, 102B, 101, 103,...	20 A	1			0.6	0.7			1	20 A	Lighting Room 106, 100, 107, 109, RP-3	NC-4
NC-5	Receptacle CLASSROOM 113	20 A	1					1.6	1.6	1	20 A	Receptacle CLASSROOM 114	NC-6
NC-7	Receptacle CLASSROOM 113	20 A	1	1.3	1.3					1	20 A	Receptacle CLASSROOM 114	NC-8
NC-9	Receptacle CLASSROOM 111	20 A	1			1.6	1.6			1	20 A	Receptacle CLASSROOM 112	NC-10
NC-11	Receptacle CLASSROOM 111	20 A	1					1.3	1.3	1	20 A	Receptacle CLASSROOM 112	NC-12
NC-13	Receptacle Room 105, 103, 102B, 101, 102...	20 A	1	1.3	0.6					1	20 A	Autodoor VESTIBULE 108A	NC-14
NC-15	Receptacle LOUNGE/ WORK 101	20 A	1			0.4	0.4			1	20 A	Receptacle Room 106, 107	NC-16
NC-17	Rec LOUNGE/ WORK 101, CP-1	20 A	1					0.6	0.7	1	20 A	Receptacle Room 109, 108B	NC-18
NC-19	Copier LOUNGE/ WORK 101	20 A	1	0.9	0.5					1	20 A	Receptacle Room 115, 110, 100	NC-20
NC-21	EWC CORRIDOR 100	20 A	1			0.2	0.2			1	20 A	Receptacle LOUNGE/ WORK 101	NC-22
NC-23	VRF-3/1-3/4, 4/1-4/4	20 A	2					0.4	1.2	1	20 A	Auto doors 145, 146	NC-24
NC-25	--	--	--	0.4	1.0					2	20 A	VRF6/1-6/5	NC-26
NC-27	Receptacle Room 148, 153, 152, 156, 155,...	20 A	1			1.1	1.0			--	--	--	NC-28
NC-29	Receptacle Room 150, 151	20 A	1					0.7	0.4	1	20 A	Receptacle CHOIR/ MUSIC 148	NC-30
NC-31	Receptacle BAND 149	20 A	1	0.7	0.7					1	20 A	Receptacle BAND 149	NC-32
NC-33	Lighting Room 108B, 147, 146, 145, 108A	20 A	1			0.4	0.9			1	20 A	Lighting BAND 149	NC-34
NC-35	Lighting Room 110, 100, 115, 121, 118	20 A	1					0.6	0.5	1	20 A	Lighting Room 110, 118	NC-36
NC-37	Lighting Room 121, 138, 122, 139	20 A	1	0.6	0.5					1	20 A	Spare	NC-38
NC-39	Other Lighting BAND 149	20 A	1			0.5	0.8			1	20 A	Lighting BAND 149	NC-40
NC-41	WATER HEATER	20 A	1					0.8	1.4	1	15 A	Audio Rack CHOIR/ MUSIC 148	NC-42
NC-43	Audio Rack BAND 149	15 A	1	1.4									NC-44
NC-45													NC-46
NC-47													NC-48
NC-49													NC-50
NC-51													NC-52
NC-53													NC-54
			Total Load:	13.1 kVA		10.2 kVA		13.0 kVA					
			Total Amps:	113 A		85 A		112 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC Heating	840 VA	100.00%	840 VA		
Lighting	6774 VA	125.00%	8468 VA	**Total Conn. Load:**	35980 VA
Miscellaneous	1800 VA	100.00%	1800 VA	**Total Est. Demand:**	31104 VA
Motor	2978 VA	105.82%	3151 VA	**Total Conn. Current:**	100 A
Other	540 VA	100.00%	540 VA	**Total Est. Demand Current:**	86 A
Receptacle	23540 VA	71.24%	16770 VA	**Non-Coincident...**	0 A
Power	0 VA	0.00%	0 VA	**Total Est. Demand - NC:**	86 A

Notes:

PANELBOARD: NF

BUS AMPACITY:
Supply From: NDP
Mounting: Recessed
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains: 225 A
BP4A2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
NF-1	Lighting CLASSROOM 203	20 A	1	1.2	1.0					1	20 A	Lighting Room 255, 256	NF-2
NF-3	Lighting Room 257, 258	20 A	1			1.0	1.2			1	20 A	Lighting Room 221, 218, 222, 214, 217, 220...	NF-4
NF-5	Lighting CORRIDOR 201	20 A	1					0.8	0.2	1	20 A	Lighting Room 200, 135	NF-6
NF-7	Lighting Room 261, 260	20 A	1	1.0	0.4					1	20 A	Plugmold CLASSROOM 203	NF-8
NF-9	Plugmold CLASSROOM 203	20 A	1			0.5	0.5			1	20 A	Receptacle CLASSROOM 203	NF-10
NF-11	Plugmold CLASSROOM 203	20 A	1					0.7	0.5	1	20 A	Receptacle CLASSROOM 203	NF-12
NF-13	Atou Door 200, 204	20 A	1	0.6	0.6					1	20 A	Auto Door CORRIDOR 201	NF-14
NF-15	Vending CORRIDOR 201	20 A	1			0.8	0.5			1	20 A	Receptacle Room 203, 255	NF-16
NF-17	Ex REC 1.2 FLOOR 2	20 A	1					0.0	0.0	1	20 A	Ex Rec Rm 1	NF-18
NF-19	Ex REC FLOOR 1	20 A	1	0.0	0.7					1	20 A	Receptacle Room 206, 205, 204	NF-20
NF-21	Ex REC TEACHERS	20 A	1			0.0	0.7			1	20 A	Receptacle Room 208, 207	NF-22
NF-23	Receptacle MAIN OFFICE 204	20 A	1					0.5	0.9	1	20 A	Receptacle Room 207, 204	NF-24
NF-25	Receptacle MAIN OFFICE 204	20 A	1	0.4	0.9					1	20 A	Receptacle Room 204, 209	NF-26
NF-27	Receptacle	20 A	1			0.4	0.4			1	20 A	Receptacle Locker Room	NF-28
NF-29	Ex REC ROOM 5,6	20 A	1					0.0	0.0	1	20 A	Ex REC HALL, WEST	NF-30
NF-31	Ex REC RM 3	20 A	1	0.0	0.0					1	20 A	Ex REC RM4, RM4 FLR	NF-32
NF-33	Ex REC LAB TEST ROOM	20 A	1			0.0	0.0			1	20 A	Ex FANS RM 3	NF-34
NF-35	Ex REC FLR RM2	20 A	1					0.0	0.0	2	40 A	Ex REC FLR RM2	NF-36
NF-37	Ex REC DESK RM3	20 A	1	0.0	0.0					--	--	--	NF-38
NF-39	Ex REC DESK RM 3	20 A	1			0.0	0.0			1	20 A	Ex REC DESK RM3	NF-40
NF-41	Receptacle Room 201, 215, 216, 214	20 A	1					1.2	0.0	1	20 A	Existing	NF-42
NF-43	Receptacle LOUNGE/ WORK 214	20 A	1	0.2	0.5					1	20 A	Receptacle LOUNGE/ WORK 214	NF-44
NF-45	Receptacle CONFERENCE 217	20 A	1			0.7	0.8			1	20 A	Receptacle LOUNGE/ WORK 214	NF-46
NF-47	Receptacle Room 221, 220, 222	20 A	1					1.1	0.9	1	20 A	Receptacle Room 201, 223, 217	NF-48
NF-49	VRF 1/5-1/15, 2/-2/3	15 A	2	0.7	0.9					1	20 A	Receptacle Room 223, 218	NF-50
NF-51	--	--	--			0.7	0.4			2	15 A	VRF1/16-1/17, 2/4-2/10	NF-52
NF-53	EWH-1	20 A	1					1.5	0.4	--	--	--	NF-54
NF-55	PRV-1,2	20 A	1	1.4	1.1					2	20 A	FC-1	NF-56
NF-57	FC-2	20 A	2			1.1	1.1			--	--	--	NF-58
NF-59	--	--	--					1.1	0.2	1	20 A	Receptacle Exterior	NF-60
NF-61	RP-2	20 A	1	0.3									NF-62
NF-63													NF-64
NF-65													NF-66
NF-67	ERT-1	50 A	3	4.5									NF-68
NF-69	--	--	--			4.5							NF-70
NF-71	--	--	--					4.5					NF-72
			Total Load:	15.9 kVA		15.0 kVA		14.2 kVA					
			Total Amps:	134 A		126 A		119 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC Blowers	1054 VA	100.00%	1054 VA		
HVAC Heating	1500 VA	100.00%	1500 VA	**Total Conn. Load:**	44825 VA
Lighting	6420 VA	125.00%	8025 VA	**Total Est. Demand:**	47514 VA
Miscellaneous	1500 VA	100.00%	1500 VA	**Total Conn. Current:**	124 A
Motor	20706 VA	116.43%	24108 VA	**Total Est. Demand Current:**	132 A
Receptacle	14506 VA	84.47%	12253 VA	**Non-Coincident...**	0 A
				Total Est. Demand - NC:	132 A

Notes:

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INTERIOR DESIGN

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

Sheet Title: **ELECTRICAL SCHEDULES**

BID PACKAGE 4

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:

Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

Last Update: **1/2/2019 11:55:40 PM**

E703R1

PANELBOARD: NS

BUS AMPACITY:
Supply From: NDP
Mounting: Surface
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

BP4A2 **A.I.C. Rating:** 10,000
Mains: 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
NS-1	EWH-4	20 A	1	1.5	1.5					1	20 A	EWH-5	NS-2
NS-3	VRF 6/6-6/8	20 A	2			0.6	1.4			1	20 A	Rec Fitness	NS-4
NS-5	--	--	--					0.6	1.4	1	20 A	Rec Fitness	NS-6
NS-7	Rec Fitness	20 A	1	1.4	1.4					1	20 A	Rec Fitness	NS-8
NS-9	Rec Fitness	20 A	1			1.4	1.4			1	20 A	Rec Fitness	NS-10
NS-11	Rec Fitness	20 A	1					1.4	1.4	1	20 A	Rec Fitness	NS-12
NS-13	Rec Fitness	20 A	1	1.4	1.4					1	20 A	Rec Fitness	NS-14
NS-15	Rec Fitness	20 A	1			1.4	1.4			1	20 A	Rec Fitness	NS-16
NS-17	Receptacle Room 251, 250	20 A	1					1.3	0.6	1	20 A	Receptacle HALL 252	NS-18
NS-19	Lighting STG 249	20 A	1	0.9	1.7					2	30 A	VRF 6-9	NS-20
NS-21	Lighting Room 251, 250, 248, RP-4	20 A	1			0.5	1.7			--	--	--	NS-22
NS-23	Lighting Site	20 A	1					0.2	0.7	1	20 A	Receptacle -Alt Fitness	NS-24
NS-25	Lighting Site	20 A	1	0.4	0.7					1	20 A	Receptacle -Alt Fitness	NS-26
NS-27							0.7			1	20 A	Lts Fitness Center	NS-28
NS-29	Existing Load	20 A	1					0.0	1.4	1	20 A	Receptacle -Alt Fitness	NS-30
NS-31	Existing Load	20 A	1	0.0									NS-32
NS-33	Existing Load	20 A	1			0.0	0.0			1	20 A	Existing Load	NS-34
NS-35	Existing Load	20 A	1					0.0	0.0	1	20 A	Existing Load	NS-36
NS-37	Existing Load	20 A	1	0.0	0.0					1	20 A	Existing Load	NS-38
NS-39	Existing Load	20 A	1			0.0	0.0			2	20 A	Existing Load	NS-40
NS-41	Existing Load	20 A	1					0.0	0.0	--	--	--	NS-42
NS-43	Existing Load	20 A	1	0.0	0.0					1	20 A	Existing Load	NS-44
NS-45	Existing Load	20 A	2			0.0	0.0			1	20 A	Existing Load	NS-46
NS-47	--	--	--					0.0	0.0	1	20 A	Existing Load	NS-48
NS-49	RTU-4 (ALT)	50 A	3	4.7	0.0					1	20 A	Existing Load	NS-50
NS-51	--	--	--			4.7	0.0			1	20 A	Existing Load	NS-52
NS-53	--	--	--					4.7	0.0	1	20 A	Existing Load	NS-54
			Total Load:	16.8 kVA		15.0 kVA		13.5 kVA					
			Total Amps:	142 A		127 A		113 A					

BP4A1

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC Heating	3000 VA	100.00%	3000 VA		
Lighting	1756 VA	125.00%	2195 VA	**Total Conn. Load:**	44980 VA
Motor	18756 VA	118.86%	22293 VA	**Total Est. Demand:**	43079 VA
Receptacle	22020 VA	72.71%	16010 VA	**Total Conn. Current:**	125 A
Spare	600 VA	100.00%	600 VA	**Total Est. Demand Current:**	120 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	120 A

Notes:

PANELBOARD: K1

BUS AMPACITY:
Supply From: EX MDP
Mounting: Recessed
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

BP4A2 **A.I.C. Rating:** 10,000
Mains: 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
K1-1	Item 11 Alt Hot Food Well	20 A	2	0.8	0.4					1	20 A	Kitchen Hood, ITEM 10D MAU CONTROLS	K1-2
K1-3	--	--	--			0.8	1.9			1	20 A	Item 12 Alt Proofing Oven	K1-4
K1-5	Item 4 Alt Convection Ovens	20 A	1					1.9	0.0	--	--	Shunt Trip	K1-6
K1-7	Shunt Trip	--	--	0.0	1.9					1	20 A	Item 15 Heated Cabinet	K1-8
K1-9	Receptacle KITCHEN 240	20 A	1			0.7	0.0			--	--	Shunt Trip	K1-10
K1-11	Walk-in Freezer Lts, Controls	20 A	1					0.2	1.0	2	20 A	Walk-in Freezer Evaporators	K1-12
K1-13	Walk-in Freezer Condinsing Unit	25 A	3	1.5	1.0					--	--	--	K1-14
K1-15	--	--	--			1.5	1.9			1	20 A	Rec Roof	K1-16
K1-17	--	--	--					1.5	1.0	2	20 A	Alt Walk-in cooler	K1-18
K1-19	Alt Walk-in Cooler Condinsing Unit	25 A	3	1.5	1.0					--	--	--	K1-20
K1-21	--	--	--			1.5	1.9			1	20 A	Rec Roof	K1-22
K1-23	--	--	--					1.5	0.2	1	20 A	Alt Walk-in Cooler Lts, Controls	K1-24
K1-25	Kitchen Fire supression panel	20 A	1	0.2									K1-26
K1-27													K1-28
K1-29													K1-30
K1-31	ITEM 10B HOOD EF	20 A	3	1.3									K1-32
K1-33	--	--	--			1.3							K1-34
K1-35	--	--	--					1.3					K1-36
K1-37	ITEM 10C MAKE UP AIR UNIT	30 A	3	2.5	8.7					3	20 A	Panel K (Supply via feed thru or sub feed...	K1-38
K1-39	--	--	--			2.5	8.7			--	--	--	K1-40
K1-41	--	--	--					2.5	7.4	--	--	--	K1-42
			Total Load:	20.4 kVA		22.2 kVA		18.2 kVA					
			Total Amps:	173 A		188 A		152 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment - Non-Dwelling Unit	12354 VA	65.00%	8030 VA		
Miscellaneous	43928 VA	100.00%	43928 VA	**Total Conn. Load:**	60769 VA
Receptacle	5375 VA	100.00%	5375 VA	**Total Est. Demand:**	56602 VA
				Total Conn. Current:	169 A
				Total Est. Demand Current:	157 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	157 A

Notes:
PROVIDE SUBFEED OR FEED THRU LUGS AND CONTINUE FEEDER TO EXISTING PANEL K.

BP4A1

PANELBOARD: ROOF

BUS AMPACITY:
Supply From: NDP
Mounting: Recessed
Top/Bottom Feed

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains: 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Ex RTU Gym	30 A	3	2.3	2.3					3	30 A	Ex RTU Gym	2
3	--	--	--			2.3	2.3			--	--	--	4
5	--	--	--					2.3	2.3	--	--	--	6
7	Ex RTU Gym	30 A	3	2.3	2.3					3	30 A	Ex RTU Gym	8
9	--	--	--			2.3	2.3			--	--	--	10
11	--	--	--					2.3	2.3	--	--	--	12
13	ERT-2	50 A	3	4.2									14
15	--	--	--			4.2							16
17	--	--	--					4.2					18
19													20
21													22
23													24
25													26
27							0.4			1	20 A	Rec Roof RTU's	28
29									0.4	1	20 A	Rec Roof RTU's	30
			Total Load:	13.6 kVA		13.9 kVA		13.9 kVA					
			Total Amps:	113 A		116 A		116 A					

BP4A1

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	40680 VA	107.74%	43830 VA		
Receptacle	720 VA	100.00%	720 VA	**Total Conn. Load:**	41329 VA
				Total Est. Demand:	44479 VA
				Total Conn. Current:	115 A
				Total Est. Demand Current:	123 A
				Non-Coincident...	0 A
				Total Est. Demand - NC:	123 A

Notes:

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

Sheet Title: **ELECTRICAL SCHEDULES**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:

Revisions:

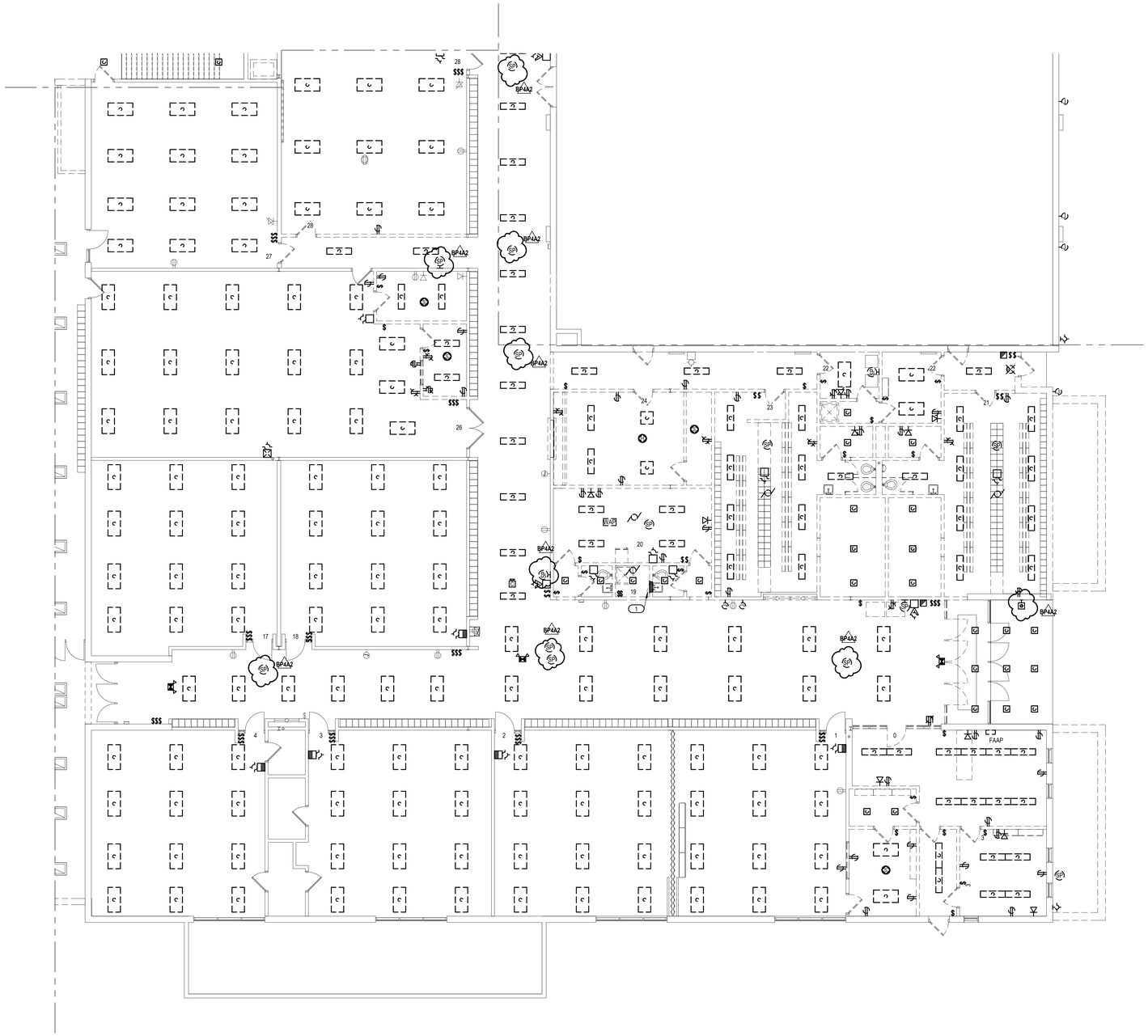
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

Last Update: **1/2/2019 11:55:41 PM**

BID PACKAGE 4

E704R2



1 **FIRST FLOOR ELECTRICAL DEMOLITION PLAN BP-3 - UNIT A**
1/8" = 1'-0"

GENERAL NOTES

1. DEMOLITION PLANS HAVE BEEN PREPARED USING EXISTING DOCUMENTS AND CASUAL FIELD OBSERVATION. THEY ARE INTENDED TO PROVIDE GENERAL DIRECTION TO THE CONTRACTOR REGARDING THE EXTENT OF DEMOLITION WORK. OTHER MISCELLANEOUS ITEMS MAY ALSO NEED TO BE REMOVED IN AREAS WHERE DEMOLITION IS TAKING PLACE. THIS WILL BE DONE WITHOUT MODIFICATION TO THE CONTRACT.
2. ITEMS SHOWN WITH DARK LINES AND/OR DARK DASHED LINES ARE TO BE REMOVED OR RELOCATED. ITEMS SHOWN WITH LIGHT SOLID LINE ARE TO REMAIN.
3. SEE ARCHITECTURAL DEMOLITION PLANS FOR ADDITIONAL DEMOLITION NOTES AND PHASING REQUIREMENTS.
4. DISCONNECT ABANDONED BOXES AND REMOVE DEVICES. REMOVE ABANDONED BOXES IF CONDUIT SERVING THEM IS REMOVED. PROVIDE BLANK COVERPLATE FOR ABANDONED BOXES WHECH ARE NOT REMOVED.
5. REMOVE EXPOSED ABANDONED CONDUIT/WIREWAYS, INCLUDING CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. AT CONTRACTORS DISCRETION: ABANDONED CONDUIT MAY BE RE-USED.
6. REMOVED DEVICES, EQUIPMENT AND WIRING SHALL BE COME CONTRACTOR'S PROPERTY UNLESS NOTED OTHERWISE.
7. OWNER WILL OCCUPY THE REMAINDER OF THE BUILDING THROUGH THE DURATION OF THE PROJECT. NOTIFY AND COORDINATE WITH THE OWNER NOT LESS THAN (5) CALENDAR DAY PRIOR TO ANY ACTIVITIES IN ANY TRADES THAT WILL AFFECT THE OWNER'S OPERATIONS.
8. E.C. TO PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION.
9. REMOVE ABANDONED WIRING/CONDUCTORS BACK TO SOURCE OF SUPPLY.
10. REMOVE EXISTING LIGHTING, AND OTHER CEILING MOUNTED ELECTRICAL DEVICES IN CORRIDORS AS REQUIRED TO ALLOW PLUMBING AND MECHANICAL TRADES TO COMPLETE WORK. CLEAN, RE-LAMP AND REINSTALL FIXTURES AND DEVICES WHEN OTHER TRADES WORK IS COMPLETED. RE-CONNECT TO EXISTING CIRCUITING AND CONTROLS.
11. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND NEW CONSTRUCTION WORK.
12. CIRCUITING SHOWN ON PLANS IS BASED ON EXISTING PLANS. E.C. TO CONFIRM CIRCUITING BEFORE PROCEEDING WITH DEMOLITION WORK.

KEYED NOTES

1. REMOVE PANEL AND FEEDER BACK TO SOURCE. SALVAGE BRANCH CIRCUITING FOR EXISTING TO REMAIN DEVICES.

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

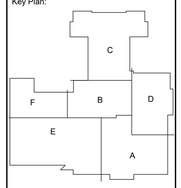
Sheet Title: **ELECTRICAL DEMOLITION PLAN - UNIT A**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:



Revisions:

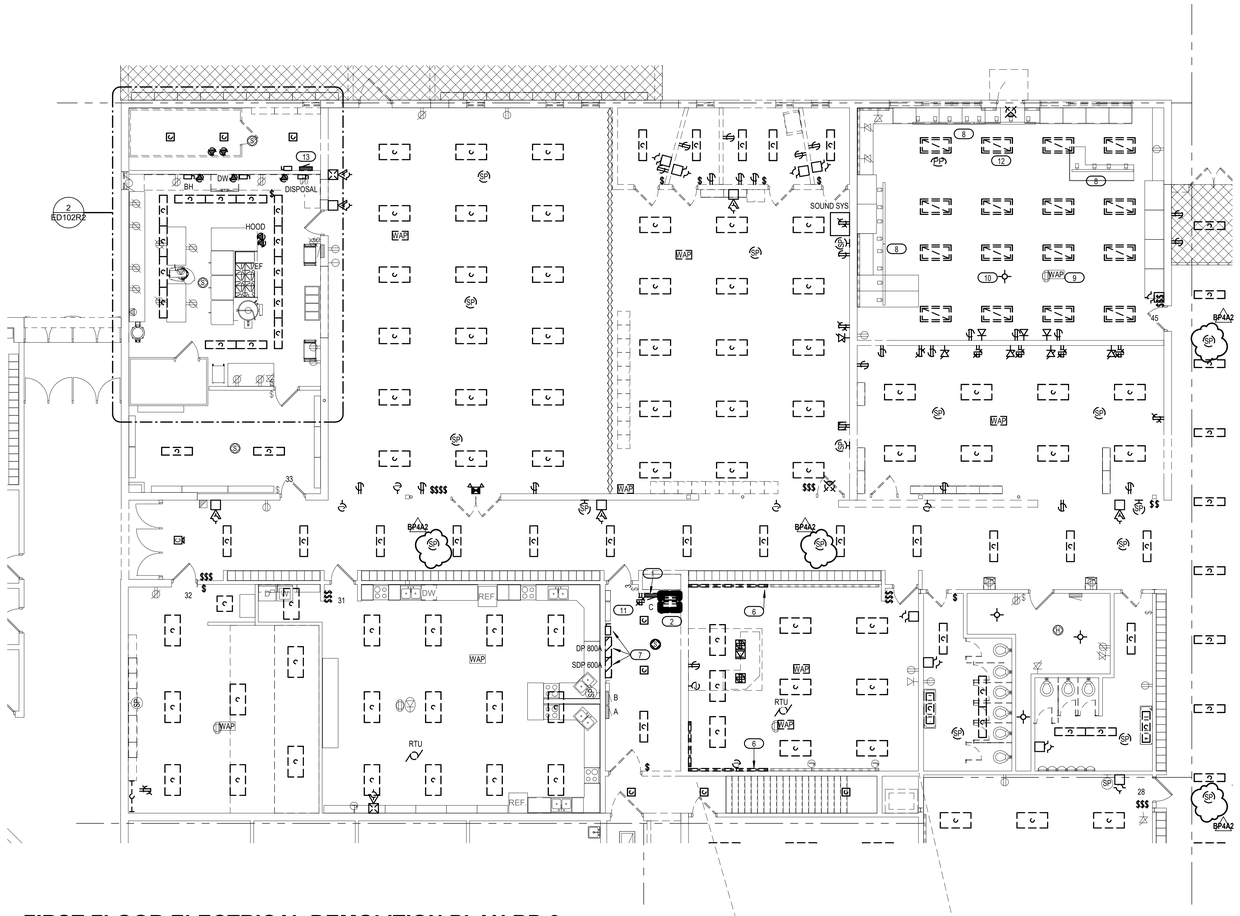
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

Last Update: **1/2/2019 11:55:44 PM**

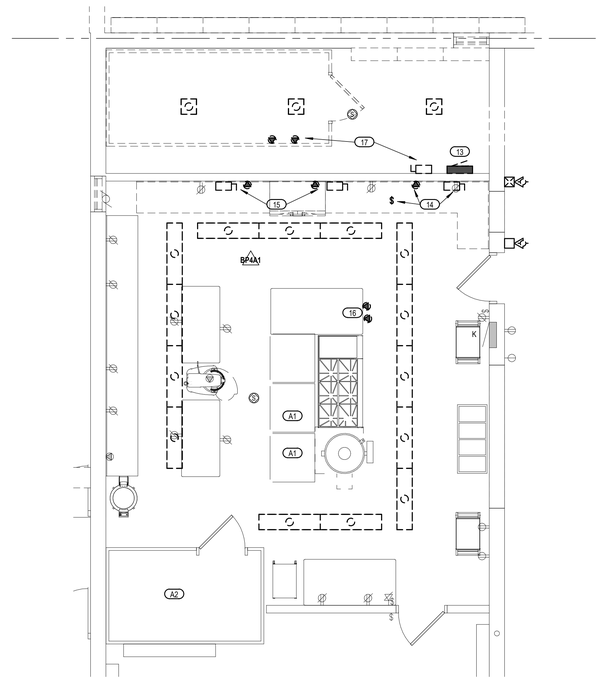
BID PACKAGE 4

ED101R1



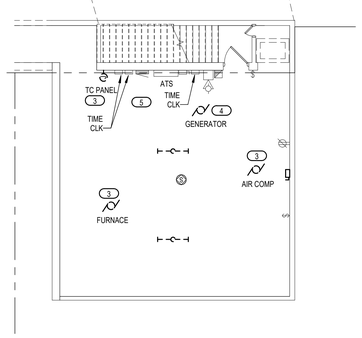
1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN BP-3 - UNIT B

1/8" = 1'-0"



2 ENLARGED KITCHEN ELECTRICAL DEMOLITION PLAN

1/4" = 1'-0"



3 LOWER LEVEL ELECTRICAL DEMOLITION - UNIT A

1/8" = 1'-0"

ALTERNATE BID KEYED NOTES

A1 DISCONNECT EXISTING CONVECTION OVENS (2). REMOVE CONDUCTORS BACK TO SOURCE.

A2 DISCONNECT EXISTING WALK-IN COOLER LIGHTS, RECEPTACLE AND COOLING EQUIPMENT. REMOVE CONDUCTORS BACK TO SOURCE.

KEYED NOTES

1. RELOCATE EXISTING PANEL C. EXTEND EXISTING CIRCUITS TO NEW LOCATION. SEE SHEET E122 FOR NEW LOCATION.
2. RELOCATE EXISTING WALL MOUNTED DATA RACK/CABINET, FIBER ENTRANCE CABLING, VOICE ENTRANCE CABLING AND HORIZONTAL CABLING. SEE SHEET E132 FOR NEW LOCATION.
3. DISCONNECT AND REMOVE SUPPLY CONDUCTORS BACK TO SOURCE.
4. DISCONNECT AND REMOVE EXISTING GENERATOR. REMOVE EMERGENCY CONDUCTORS BACK TO TRANSFER SWITCH.
5. REMOVE EXISTING TIME CLOCKS WHERE ASSOCIATED CONTROLLED EQUIPMENT HAS BEEN REMOVED.
6. REMOVE PLUGMOLD SECTION. SALVAGE CIRCUITS AND CABLING FOR REINSTALLATIONS IN NEW WORK.
7. DISCONNECT AND REMOVE 800A DISTRIBUTION PANEL, 600A SUB DISTRIBUTION PANEL AND 200A DISCONNECT. SALVAGE EXISTING FEEDERS FOR RECONNECTION TO NEW PANEL.
8. DISCONNNECT AND REMOVE TRACK LIGHTING. SALVAGE FOR RE-INSTALLATION IN NEW CEILING.
9. REMIOVE EXISTING PROJECTOR RECEPTACLE AND DATA. SALVAGE FOR RE-INSTALLATION IN NEW CEILING.
10. SALVAGE DECORATIVE LIGHT FIXTURE FOR RE-USE IN NEW CEILING.
11. EXISTING FIRE ALARM SYSTEM TO REMAIN IN SERVICE. NEW VOICE CAPABLE SYMPLEX FIRE ALARM SYSTEM WILL BE ADDED ALONG SIDE.
12. REMOVE EXISTING BRANCH CONDUIT ABOVE CEILING IN THIS AREA TO ALLOW FOR STRUCTURAL IMPROVMENTS. RE-INSTALL CONDUIT AND RE-FEED CONDUCTORS AFTER STRUCURAL IMPROVEMENTS ARE COMPLETED. FOR BIDDING PURPOSES, ASSUME (5) 120V 20A CIRCUITS TO BE REMOVED AND REPLACED.
13. DISCONNECT AND REMOVE TEMPORARY PANEL. CIRCUIT EXISTING FREEZER TO NEW PANEL C WHEN SPACE BECOMES AVAILABLE.
14. DISCONNECT EXISTING DISPOSAL UNIT AND DISCONNECT SWITCH. REMOVE CONDUCTORS BACK TO SOURCE.
15. DISCONNECT EXISTING DISHWASHER AND BOOSTER HEATER. REMOVE CONDUCTORS BACK TO SOURCE.
16. DISCONNECT EXISTING FAN AND HOOD. REMOVE CONDUCTORS BACK TO SOURCE.
17. DISCONNECT EXISTING WALK-IN FREEZER AND ASSOCIATED COOLING EQUIPMENT. REMOVE CONDUCTORS BACK TO SOURCE.

GENERAL NOTES

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BID PACKAGE 4

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Project Title: PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING

Project Location: 1025 Town Street Prentice, WI 54556

Sheet Title: ELECTRICAL DEMOLITION PLAN - UNIT B

HSR Project Number: 18022

Project Date: NOVEMBER 30, 2018

Drawn By: JLW

Key Plan:

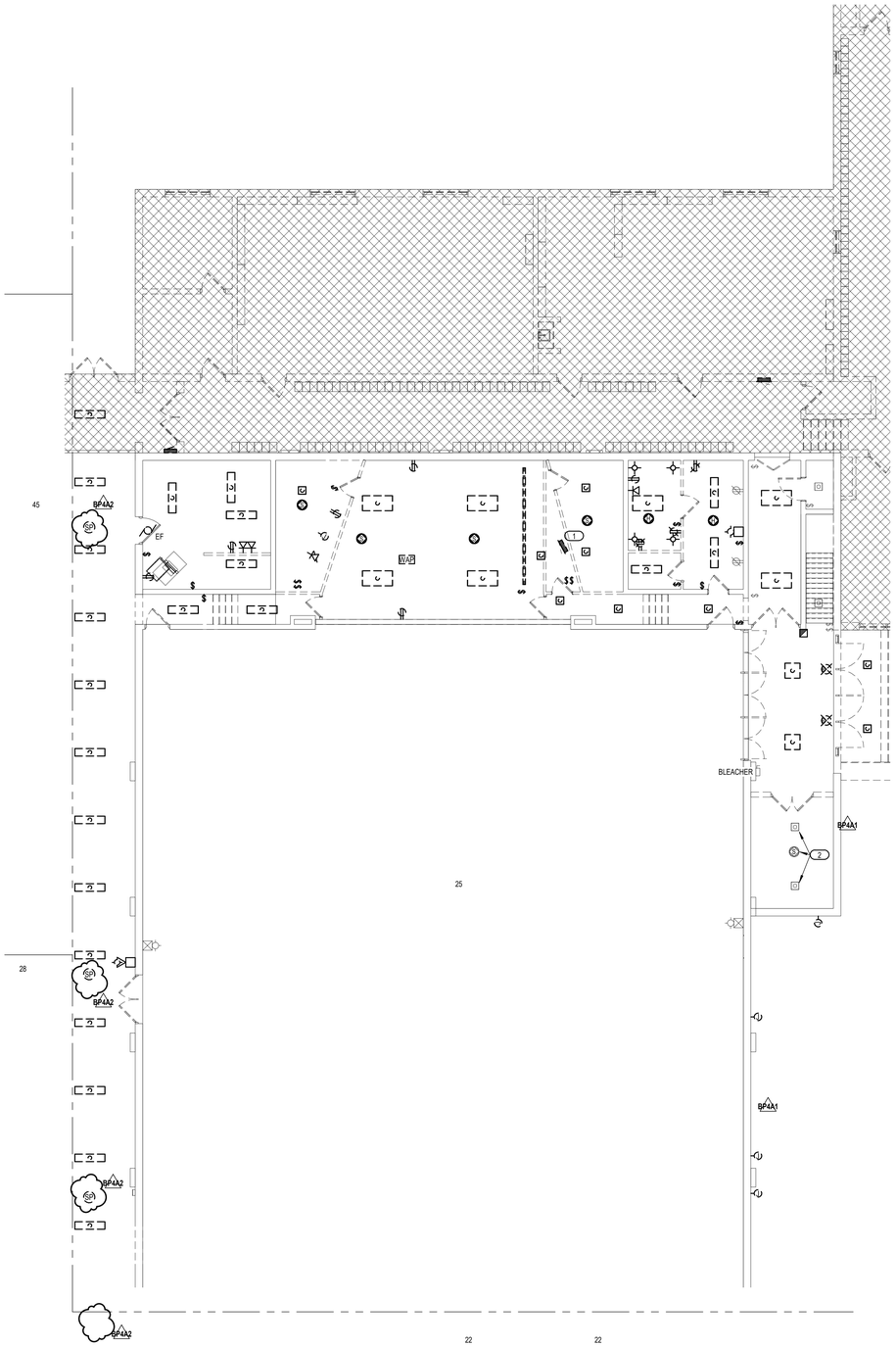
Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: VARIES

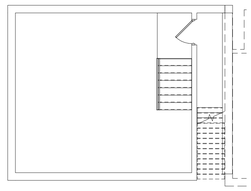
Last Update: 1/2/2019 11:55:48 PM

ED102R2



1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN BP-3 - UNIT D

1/8" = 1'-0"



2 LOWER LEVEL ELECTRICAL DEMOLITION - UNIT D

1/8" = 1'-0"

GENERAL NOTES

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12. CIRCUITING SHOWN ON PLANS IS BASED ON EXISTING PLANS. E.C. TO CONFIRM CIRCUITING BEFORE PROCEEDING WITH DEMOLITION WORK.

KEYED NOTES

1. REMOVE PANEL AND FEEDER BACK TO SOURCE. SALVAGE BRANCH CIRCUITING FOR EXISTING TO REMAIN DEVICES AND LIGHTING.
2. REMOVE LIGHTS, FIRE ALARM AND ASSOCIATED CONDUIT AS PART OF FITNESS CENTER ALTERNATE. BP4A1

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice,WI 54556**

Sheet Title: **ELECTRICAL DEMOLITION PLAN - UNIT D**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:

Revisions:

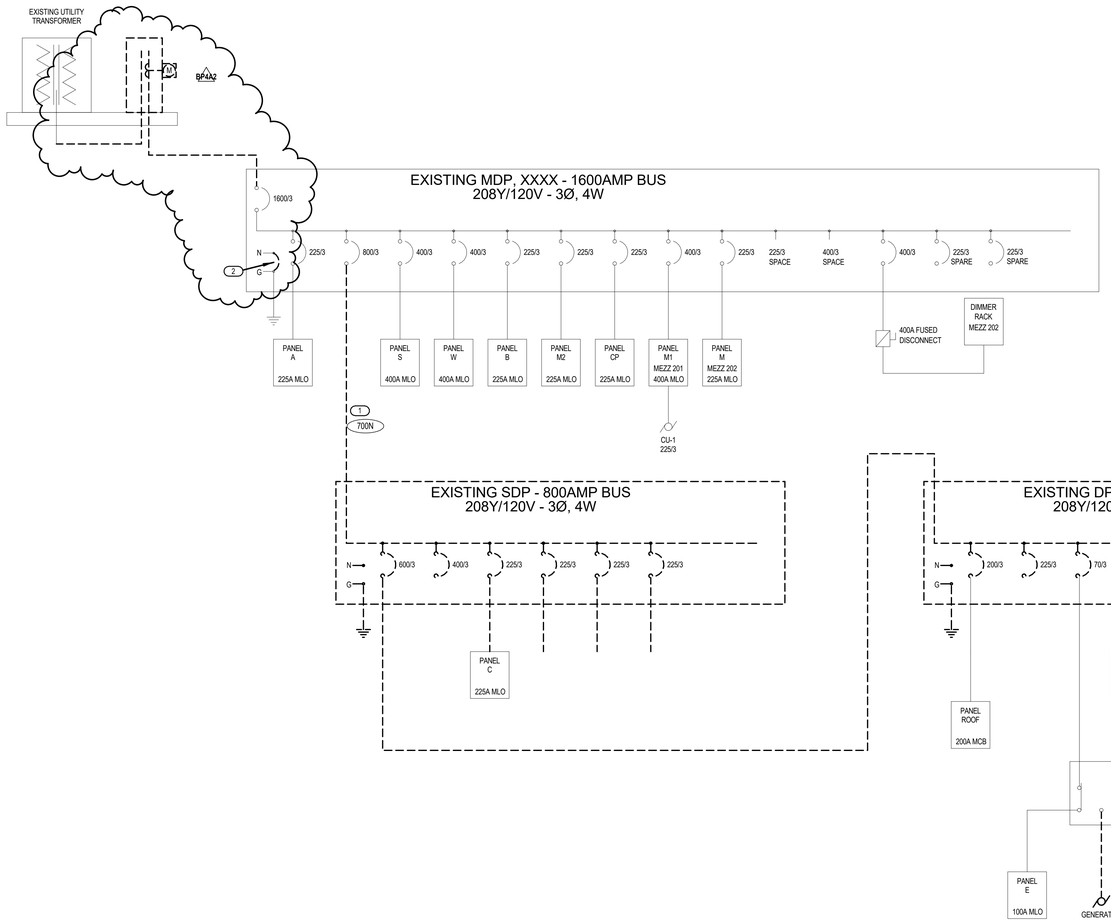
No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

Last Update: **1/2/2019 11:55:50 PM**

BID PACKAGE 4

ED103R2



KEYED NOTES

1. REMOVE CONDUCTORS. ABANDON CONDUIT IN PLACE.
2. DISCONNECT NEUTRAL TO GROUND SYSTEM BONDING JUMPER.
3.
4.

BP4A2

BID PACKAGE 4

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Project Title: **PRENTICE SCHOOL DISTRICT ADDITION AND REMODELING**

Project Location: **1025 Town Street Prentice, WI 54556**

Sheet Title: **ELECTRICAL RISER DIAGRAM - DEMOLITION**

HSR Project Number: **18022**

Project Date: **NOVEMBER 30, 2018**

Drawn By: **JLW**

Key Plan:

Revisions:

No.	Description	Date
BP4	BID PACKAGE 4	11-30-18
BP4A1	ADD 1	12-21-18
BP4A2	ADD 2	01-02-19

Graphic Scale: **VARIES**

Last Update: **1/2/2019 11:55:51 PM**

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