ADDENDUM NO. 01

Issue Date	6/15/2026
Project Name:	Outagamie YMCA Childcare
Project Address:	3375 W Brewster St, Appleton, WI 54914
Zimmerman Project Number:	250081.00

To: Prospective Bidders

From: Jason Albrecht-Zimmerman Architectural Studios, Inc.

COPIES:

Name:	Company / Organization
Paul Farrell	Outagamie County
Dani Englebert	YMCA

This Addendum is issued to modify, explain, and amend the originally issued Specifications and Drawings dated **June 02**, **2026**, and is hereby made a part of the Contract Documents. Please acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so will result in bidder disqualification.

This Addendum consists of **5** pages and **16** revised sheets and **3** revised specifications sections.

PROPOSED CHANGES / CLARIFICATION:

Clarifications:

Question: Division 27 specification not included in project manual.

- **Response:** Specification is added in Addendum #01

Question: Who is responsible for playground equipment and surface installation?

- **Response:** We will work with the client to select a playground consultant who will specify the equipment and surfacing.

Question: Who is responsible for the Activity Center wall art and/or stenciling?
If GC, to what spec?

- **Response:** The GC will be responsible for the activity center painted mural. This is just paint.

Question: Who is responsible for the ACP acoustical ceiling panels in the Activity Center?
If GC, to what spec?

- **Response:** The GC will be responsible for the acoustic ceiling panels in the activity center. The product is outlined in the color & material schedule.

Question: Will there be interior 4'/6' H playground fence if Alternate A1 is taken? Or will it be the perimeter fence only?

- **Response:** the highlighted fence will remain to separate the age groups if the alternate is selected. Because it will be an internal fence if the alternate is selected, it can be reduced to 4' in height.

Question: Do the gates need a maglock/strike setup with self-closing hinges or will padlock latches and standard hinges be ok?

- **Response:** Provide padlock latches and standard hinges.

Question: The drawings indicate a cordless manual roller shade system (ThermoVeil 1500 Series, 3% openness), while Specification Section 12 24 13 calls for a chain-driven manually operated roller shade system. Please confirm which shade operation type is required for this project.

- **Response:** 12 24 13 specification reissued, material legend updated, and added shade detail included in Addendum #1.

Question: Who is to be responsible for supply and installation of the dishwasher and/or kitchen equipment?

- **Response:** The submitted contract drawings are limited to rough in scope for the kitchen equipment. Equipment procurement and installation will be coordinated through Outagamie Count and the YMCA.

Specifications:

12 24 13 – MANUAL ROLLER SHADES
- **REVISE**: Specification in its entirety

23 09 14 – ELECTRIC INSTRUMENTATION AND CONTROL DEVICES FOR HVAC
- **REVISE**: Specification in its entirety

27 00 00 – COMMUNICATIONS (ALL)
- **ADD**: Specification in its entirety.

Drawings:

Title Sheets:

G002 – LIFE SAFETY PLAN
- **REVISE**: Building Code compliance description in its entirety.

Architectural:

A201 - FIRST FLOOR PLAN
- **REVISE**: Alternate designation for cubbies in care rooms.
- **ADD**: Detail 1/A1001 and reference to sheet.
- **ADD**: Plan keynote 11 in corridor.

A203 - ROOF PLAN
- **ADD**: Keynote index and keynote references to sheet.

A301 - FIRST FLOOR REFLECTED CEILING PLAN
- **ADD**: Keynote index and keynote references to sheet.
- **ADD**: Detail 1/A1001 and reference to sheet.

A400 – EXTERIOR ELEVATIONS
- **ADD**: Keynote index and keynote references to sheet.
- **ADD**: Details 1/A1001 / wall sections 3 & 4/A500 and reference to sheet.

A500 – BUILDING / WALL SECTIONS
- **ADD**: Notes / dimensions to details 1 & 2.

A800 - ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS
- **REVISE**: Fixture heights at details 10, 11, 12, 13, 14, 15, & 17.

- **REVISE**: Fixture height Interior Elevation Notes.

A900 - INTERIOR ELEVATIONS
- **REVISE**: Alternate designations for cubbies.
- **REVISE**: Fixture height Interior Elevation Notes.

A1000 – WALL TYPES
- **ADD**: Detail 2 to sheet.

A1001 – WINDOW TYPES, BORROWED LITE TYPES
- **REVISE**: Alternate designation for BL06.
- **ADD**: Detail 1 to sheet.

A1100 – INTERIOR FINISH SCHEDULES
- **REVISE**: WT-1 material as noted.

Plumbing:

P001 – PLUMBING SCHEDULES AND NOTES
- **REVISE**: Plumbing fixture schedule.

P101 – FIRST FLOOR PLUMBING NEW WORK PLAN
- **REVISE**: Water closet tags in Toilet 105A.
- **REVISE**: Water closet tag in Toilet 109A.
- **REVISE**: Water closet tag in Toilet 109B.

Electrical:

E000 – ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES
- **REMOVE**: Symbols on the list
- **REVISED**: SYMBOLS

ED200 – FIRST FLOOR – DEMOLITION POWER PLAN
- **REVISE**: General Notes 4 and 7.
- **REVISE**: General Notes 4 and 10.
- **ADD**: Existing to remain label on fire alarm devices in warehouse 151

E200 – FIRST FLOOR – POWER PLAN
- **REMOVE**: General note 6
- **ADD**: Note 4,5,6
- **ADD**: Fire Alarm Scope Notes
- **ADD**: Receptacles about the lockers in the child care rooms
- **ADD**: Receptacles in the crib room and the infants room
- **ADD**: Fire Alarm Annunciator panel
- **ADD**: GFI receptacle in utility 117

- **REVISED**: Data Device with wire amount:
- **ADD**: Details 1/E400 and 2/E400
- **ADD**: Plane Notes 3,4,5,6 to plan
- **REMOVED** Conduit in Shipping and Receiving

E400 – ELECTRICL SCHEDULES AND DETAILS

- **ADD**: Door Access and 12U Rack Connection SPO
- **REVISE**: Location for SPO - FSCP

End of Addendum 01

1 FIRST FLOOR LIFE SAFETY PLAN
3/32" = 1'-0"

LIFE SAFETY LEGEND

SYMBOLS

- TD=50' = TOTAL TRAVEL DISTANCE
- = ACCESSIBLE TOILET ROOMS
- = ACCESSIBLE ENTRANCE/EXIT
- = EXIT
- = FIRE EXTINGUISHER LOCATION
- = ROOM / SPACE OCCUPANCY TAG

USE	STORAGE
AREA	406
SF/Occ	300
Occs	2

OCCUPANCY

- DOOR 34"/180 Occ. = EGRESS COMPONENT & INCHES OF EGRESS WIDTH / Occ. LOAD CAPACITY
- = BUSINESS (B)
- = DAYCARE (E)
- = KITCHEN
- = MECHANICAL / STORAGE (S-1)
- = NOT IN SCOPE

FIRE RATING

- 1FP - 1FP = **1 HOUR FIRE PARTITION (CORRIDOR)**
  - ALL PENETRATIONS SEALED FOR ONE HOUR FIRE RATING / DAMPERS AT DUCT PENETRATIONS
  - DOORS: 20 MINUTE RATED IN FIRE RATED FRAME WITH CLOSER & POSITIVE LATCHING
- 1FB - 1FB = **1 HOUR FIRE BARRIER**
  - ALL PENETRATIONS SEALED FOR ONE HOUR FIRE RATING / DAMPERS AT DUCT PENETRATIONS
  - DOORS: 45 MINUTE RATED IN FIRE RATED FRAME WITH CLOSER & POSITIVE LATCHING (60 MINUTE IN STAIR SHAFTS, EXIT PASSAGEWAY)
- 3FW - 3FW = **3 HOUR FIRE WALL**
  - ALL PENETRATIONS SEALED FOR THREE HOUR FIRE RATING / DAMPERS AT DUCT PENETRATIONS
  - DOORS: 180 MINUTE RATED IN FIRE RATED FRAME WITH CLOSER & POSITIVE LATCHING

CODE COMPLIANCE SUMMARY

BUILDING SUMMARY AND STATISTICS

PROJECT SCOPE OF WORK

THE DRAWINGS CONTAINED IN THIS SET DESCRIBE AN EXISTING **28,423 SF** ONE-STORY BUILDING (SF INCLUDES EXISTING ENTRY CANOPY). EXTERIOR WORK INCLUDES LANDSCAPING, GRADING MODIFICATIONS, PAVING, AND EXTERIOR LIGHTING IMPROVEMENTS.

THE WORK AREA IS A PROPOSED CHANGE OF OCCUPANCY FROM B-BUSINESS TO E-EDUCATIONAL (E) OCCUPANCY WITH ACCESSORY S-1 STORAGE AND MECHANICAL OCCUPANCIES AND WILL BE CLASSIFIED AS NON-SEPARATED MIXED USE. AN EXISTING 3-HOUR RATED FIREWALL SEPARATES THE NEW OCCUPANCY FROM AN ADJACENT EXISTING OCCUPANCY (EXISTING ADJACENT OCCUPANCY NOT IN SCOPE). THE CONSTRUCTION TYPE FOR THE EXISTING BUILDING IS MOST SIMILAR TO TYPE **II-B** (TWO-B).

FIRST FLOOR (CHANGE OF OCCUPANCY SCOPE)	12,316 SF
TOTAL BUILDING	**28,423 SF**

EXISTING BUILDING CONSTRUCTION

EXTERIOR WALLS:	CONCRETE MASONRY UNIT (CMU) SINGLE-WYTHE EXTERIOR WALLS
INTERIOR WALLS:	MASONRY, METAL STUD & GYP BRD
FLOOR DECK:	CONCRETE SLAB-ON-GRADE
ROOF:	FLAT/LOW SLOPE ROOF (≤2/12 SLOPE) MEMBRANE / INSULATION / METAL SIDING FASCIA OVER STEEL FRAMING

THE 2021 INTERNATIONAL BUILDING CODE (IEBC & IBC), AS MODIFIED BY WISCONSIN SPS 361-363

RELEVANT CODE INFORMATION (NOT EXHAUSTIVE OR ALL-INCLUSIVE). INFORMATION PRESENTED HEREIN IS INTENDED TO DEMONSTRATE THE CHOICES MADE BY THE DESIGNER TO ACHIEVE CODE COMPLIANCE.

IEBC CHAPTER 10 - CHANGE OF OCCUPANCY

1004.1 GROUP E FIRE AREA DOES NOT EXCEED 12,000 SF PER CH 9 OF THE 2021 IBC THEREFORE SPRINKLER SYSTEM NOT REQUIRED

1011.2 OCCUPANCY CHANGE TO E - EDUCATIONAL: SPRINKLER SYSTEM / FIRE ALARM REQUIREMENTS PER CH 9 OF THE 2021 IBC.

1011.5 OCCUPANCY CHANGE TO HIGHER HAZARD: B- HAZARD (4) TO E- HAZARD (3) THEREFORE MEANS OF EGRESS MUST COMPLY WITH CH 10 OF THE 2021 IBC.

1011.6 OCCUPANCY CHANGE TO HIGHER HAZARD: B- HAZARD (4) TO E- HAZARD (3) THEREFORE HEIGHT & AREA MUST COMPLY WITH CH 5 OF THE 2021 IBC.

CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION

302.1 CLASSIFICATION
305.2 EDUCATIONAL - GROUP (E) DAYCARE FACILITIES

303.1.3 A ROOM OR SPACE THAT IS USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS

502.1 EXISTING 1 STORY BUILDING, NON-SPRINKLERED

EDUCATIONAL GROUP E, 14,500 GSF ALLOWED (PER STORY)
TYPE II-B (TWO-B) CONSTRUCTION TYPE (NON-COMBUSTIBLE, UNPROTECTED)

504.3(T)	MAXIMUM ALLOWABLE HEIGHT:	E:	55 FEET
504.4(T)	MAXIMUM ALLOWABLE STORIES:	E:	2 STORIES
506.2(T)	MAXIMUM ALLOWABLE AREA: (WITHOUT BUILDING FRONTAGE INCREASE)	E:	14,500 SF

508.3.3 NO SEPARATION REQUIRED BETWEEN NON-SEPARATED OCCUPANCIES

509 INCIDENTAL USE AREAS - RATINGS NOT REQ'D IN SPRINKLERED BLDG. ALL SUCH ROOMS SHALL BE CAPABLE OF RESISTING PASSAGE OF SMOKE.
- BOILER ROOM IN EXCESS OF 400,000 BTU/HR; ELEC EQUIPMENT ROOMS AS REQ'D BY NEC

CHAPTER 6 TYPES OF CONSTRUCTION

601 TYPE II-B (TWO-B) CONSTRUCTION (NON-COMBUSTIBLE, UNPROTECTED)

0 HR NC	PRIMARY STRUCTURAL FRAME
0 HR NC	EXTERIOR BEARING WALLS
0 HR NC	INTERIOR BEARING WALLS
0 HR NC	EXTERIOR NON BEARING WALLS (PER TBL 602)
0 HR NC	INTERIOR NON BEARING WALLS
0 HR NC	FLOOR CONSTRUCTION (INCL. SECONDARY MEMBERS)
0 HR NC	ROOF CONSTRUCTION (INCL. SECONDARY MEMBERS)
1 HR	EXIT ENCLOSURES (PER 1023.2)
1 HR	ELEVATOR SHAFT (PER 3002.1 AND 713.4)

602 FIRE SEPARATION DISTANCE (TYPE II-B BUILDING)

X < 5 FEET	= 1 HR
5 < x < 10 FEET	= 1 HR
10 < x < 30 FEET	= 0 HR
> 30 FEET	= 0 HR

CHAPTER 7 FIRE RESISTANCE RATED CONSTRUCTION

705.2.1 PROJECTIONS FROM EXTERIOR WALLS OF TYPE II CONSTRUCTION SHALL BE NON COMBUSTIBLE OR AS ALLOWED BY 1406.3 AND 1406.4

705.8.3 WHERE PROTECTED OPENINGS ARE NOT REQUIRED BY SECTION 705, WINDOWS AND DOORS SHALL BE CONSTRUCTED OF ANY APPROVED MATERIALS

CHAPTER 8 INTERIOR FINISHES

803.11(T) WALL/CEILING FINISHES IN NON-SPRINKLERED SPACES (EDUCATIONAL - E)
CLASS A VERTICAL EXITS (E)
CLASS B EXIT ACCESS CORRIDORS (E)
CLASS C ROOMS/ENCLOSED SPACES (E)

CHAPTER 9 FIRE PROTECTION SYSTEMS

903.2.3 1-STORY BUILDING CONTAINING EDUCATIONAL OCCUPANCY w/ FIRE AREA NOT EXCEEDING 12,000 SF (11,810 SF), THEREFORE AUTOMATIC SPRINKLER SYSTEM REQUIRED. FIRE AREA REDUCED VIA FIRE BARRIERS AT WEST EXIT AND EAST STORAGE ROOMS.

906.3(T) LOCATED PER MAX 75' TRAVEL DISTANCE (CLASS 2A FIRE EXTINGUISHER)

CHAPTER 10 MEANS OF EGRESS

1004.1.2 DESIGN OCCUPANT LOAD

	TOTAL
CLASSROOMS / ACTIVITY ROOM (E) - DAY CARE	193
STAFF AREAS (B - ACCESSORY)	6
STORAGE / MECH. (S-1 ACCESSORY)	1
	199

1005.3.2 0.20 PER OCCUPANT, DOORS, HORIZONTAL EXITS AND CORRIDORS

1005.7 DOORS SHALL BE PERMITTED TO ENCROACH NO MORE THAN 7" INTO THE REQUIRED EGRESS WIDTH WHEN FULL OPEN, AND SHALL NOT REDUCE THE WIDTH TO LESS THAN HALF DURING THE COURSE OF THE SWING.

1006.3.1(T) MINIMUM EXITS PER STORY
<500 OCCUPANTS = 2 EXITS MINIMUM; 501-1000 OCCUPANTS = 3 EXITS MINIMUM

1009.1 WHERE MORE THAN ONE MEANS OF EGRESS IS REQUIRED BY SECTION 1006.2 OR 1006.3 FROM AN ACCESSIBLE SPACE, EACH PORTION OF THAT SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.

1010.1.1 CLEAR WIDTH OF DOOR OPENING TO BE 32" MIN.

1010.1.2.1 DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS

1017.2 EXIT ACCESS TRAVEL DISTANCE
200 FEET IN NON-SPRINKLERED EDUCATIONAL (E) OCCUPANCIES

1020.2 CORRIDORS WALLS IN NON-SPRINKLERED GROUP E BUILDINGS SHALL COMPLY WITH SECTION 708 FOR FIRE PARTITIONS.

(T)1020.2 CORRIDOR WALLS IN NON-SPRINKLERED GROUP E BUILDINGS WITH OCCUPANT LOADS GREATER THAN 30 ARE REQUIRED TO HAVE A FIRE RESISTANCE RATING OF 1 HOUR

(T)1020.3 MINIMUM CORRIDOR WIDTH IN GROUP E BUILDINGS SERVING LESS THAN 100 OCCUPANTS ARE REQUIRED TO BE 36" WIDE MINIMUM.

1020.5 DEAD END CORRIDORS LIMITED TO 20' IN LENGTH IN NON-SPRINKLERED BUILDINGS.

CHAPTER 11 ACCESSIBILITY

1103.2.2 EMPLOYEE WORK AREAS - COMPLY WITH 907.5.2.3.1, 1009, AND 1104.3.1 AND SHALL BE DESIGNED AND CONSTRUCTED SO THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER, AND EXIT THE WORK AREA.

1103.2.9 EQUIPMENT SPACES - SPACES FREQUENTED ONLY BY SERVICE PERSONNEL ARE NOT REQUIRED TO COMPLY WITH THIS CHAPTER

1104.1 SITE ARRIVAL POINTS - AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION, ACCESSIBLE PARKING, ACCESSIBLE PASSENGER LOADING ZONES AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE ENTRANCE.

1105.1 IN ADDITION TO ACCESSIBLE ENTRANCES REQ'D BY SECTION 1105.1.1 THROUGH 1107.1.7, AT LEAST 60% OF ALL PUBLIC ENTRANCES TO BE ACCESSIBLE

1109.2 TOILET ROOMS AND BATHING FACILITIES SHALL BE ACCESSIBLE. AT LEAST (1) OF EACH TYPE OF FIXTURE SHALL BE ACCESSIBLE

1109.3 WHERE SINKS ARE PROVIDED, AT LEAST 5% BUT NOT LESS THAN ONE MUST BE ACCESSIBLE.

1110.4 KITCHENS AND KITCHENETTES SHALL BE ACCESSIBLE IF PROVIDED IN ACCESSIBLE SPACES OR ROOMS.

CHAPTER 24 GLASS AND GLAZING

2406.1 SAFETY GLAZING SHALL COMPLY WITH CATEGORY II OF CPSC 16 CFR 1201
2406.4.1 GLAZING IN DOORS
2406.4.2 GLAZING ADJACENT TO DOORS
2406.4.3 GLAZING IN WINDOWS
2406.4.4 GLAZING IN GUARDS AND RAILINGS
2406.4.5 GLAZING AND WET SURFACES
2406.4.6 GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS
2406.4.7 GLAZING ADJACENT TO THE BOTTOM STAIRWAY LANDING

CHAPTER 29 PLUMBING SYSTEMS

2902.1 SEE PLUMBING CALCULATION BELOW

(E) OCCUPANCY	**193**	**OCCUPANTS**
(B) OCCUPANCY	**6**	**OCCUPANTS**
(S) OCCUPANCY	**1**	**OCCUPANT**

WATER CLOSETS
EDUCATIONAL (E) - 1:50
MALE: 193/2 = 96.5 MALE Occ. (1.93 FIXTURES)
FEMALE: 193/2 = 96.5 FEMALE Occ. (1.93 FIXTURES)

BUSINESS (E) - 1:25 FOR 1st 50; THEN 1:50
MALE: 6/2 = 3 MALE Occ. (.12 FIXTURES)
FEMALE: 6/2 = 3 FEMALE Occ. (.12 FIXTURES)

MECHANICAL / STORAGE (S) - 1:100 = 1/100 (<.01 FIXTURES)

5 TOTAL WC's REQ'D, 10 TOTAL WC's (INCL. 2 UNISEX) PROVIDED

LAVATORIES
EDUCATIONAL (E) - 1:50
MALE: 193/2 = 96.5 MALE Occ. (1.93 FIXTURES)
FEMALE: 93/2 = 96.5 FEMALE Occ. (1.93 FIXTURES)

BUSINESS (E) - 1:40 FOR 1st 80; THEN 1:80
MALE: 6/2 = 3 MALE Occ. (.08 FIXTURES)
FEMALE: 6/2 = 3 FEMALE Occ. (.08 FIXTURES)

MECHANICAL / STORAGE (S) - 1:100 = 1/100 (<.01 FIXTURES)

5 TOTAL LAVs REQ'D, 10 TOTAL LAVs PROVIDED

DRINKING FOUNTAINS
EDUCATIONAL (E) - 1:100 = 193/100 = 1.93 FIXTURES REQUIRED
BUSINESS (B) - 1:500 = 6/500 = 0.012 FIXTURES REQUIRED
STORAGE (S) - 1:1000 = 1/1000 = <0.01 FIXTURES REQUIRED

2 TOTAL DRINKING FOUNTAINS REQ'D, 0 TOTAL DRINKING FOUNTAINS PROVIDED (BOTTLED WATER PROVIDED)

SERVICE SINKS
1 FIXTURE REQUIRED, 1 FIXTURES PROVIDED

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Outagamie County Est. 1851

Project:

Outagamie YMCA Childcare

Location:
3369 W Brewster St,
Appleton, WI 54914

Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:

LIFE SAFETY PLAN

Scale:

As indicated

Revisions:

No:	Date:	Description:
1	6/12/26	ADDENDUM #01

Date:

6/02/2026

Project No.:

250081.00

Sheet No.:

G002

GENERAL CONSTRUCTION NOTES:

NEW WALL CONSTRUCTION

EXISTING CONSTRUCTION TO REMAIN

1FB — 1-HOUR FIRE RATED FIRE BARRIER (FB)

1FP — 1-HOUR FIRE RATED FIRE PARTITION (FP)

3FW — 3-HOUR FIRE RATED FIRE WALL (FW)

1. SEE SHEET **G000** FOR ABBREVIATIONS AND SYMBOL LEGEND.
2. COORDINATE THIS PROJECT WITH OWNER TO DETERMINE INTERIM LIFE SAFETY ROUTES IF APPLICABLE. CONFIRM ANY CONFLICTS WITH ARCHITECT/OWNER PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES ON THE SITE NOT AFFECTED BY THE WORK. ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM THE WORK MUST BE COORDINATED WITH OWNER AND ADJACENT PROPERTY OWNERS IN ADVANCE.
5. CONTRACTOR SHALL REPLACE, AT NO COST TO THE OWNER, ANY AND ALL SITE MATERIALS DAMAGED DUE TO THE CONSTRUCTION PROCESS WHICH WERE NOT SCHEDULED TO BE DEMOLISHED OR REMOVED.
6. ALIGNMENT OF NEW CONSTRUCTION TO EXISTING WALLS & COLUMNS SHALL BE ONE IN A MANNER AS TO VISIBLY ELIMINATE THE POINT OF CONTACT OR JOINT OF NEW AND EXISTING MATERIALS TO PROVIDE SMOOTH AND CONTINUOUS SURFACE. MAINTAIN APPROPRIATE FIRE-RATED CONSTRUCTION AT DISTURBED AREAS.
7. WALLS ARE TO BE PARALLEL & PERPENDICULAR TO ADJACENT WALLS UNLESS OTHERWISE NOTED. ALIGN WALLS WHERE APPARENT.
8. ALL WALLS WITHIN PROJECT SCOPE TO BE PATCHED AS NECESSARY TO COMPLETE "AS-NEW" ENVIRONMENT. THIS INCLUDES AREAS WHERE EQUIPMENT HAS BEEN REMOVED OR MODIFIED.
9. WHERE MASONRY IS REMOVED AND BACKPATCHED, OR WHERE OPENINGS ARE FILLED, PROVIDE MASONRY AND GROUT TO MATCH. TOOTH IN ALL INFILL SO AS TO CREATE A SEAMLESS END PRODUCT.
10. ANY WALL SHOWN ON THE PLANS WITHOUT A WALL TAG IS ASSUMED TO BE TYPE "**A1**". IF GRAPHICALLY INDICATED AS GYP BOARD & METAL STUD, AND TYPE **M8** IF GRAPHICALLY INDICATED AS MASONRY. IF MASONRY INFILL WALL IS NOT TAGGED, IT SHALL BE ASSUMED TO MATCH THE WIDTH OF THE EXISTING WALL. WALL TYPES INDICATED BY (#).
11. HINGE SIDE OF ROUGH OPENINGS FOR DOORS ARE TYPICALLY **4"** FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
12. VERIFY LOCATION OF OWNER FURNISHED / CONTRACTOR INSTALLED ACCESSORIES PRIOR TO INSTALLATION.
13. PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT AND FURNITURE AS REQUIRED.
14. ALL FLOORS ARE TO BE LEVEL AND CLEAN PRIOR TO INSTALLATION OF NEW FLOOR COVERINGS. ALL FLOOR SURFACES AND TRANSITIONS BETWEEN SURFACE TYPES SHALL COMPLY WITH ADA GUIDELINES.
15. ALL FIRE RATED WALLS ARE TO BE LABELED ABOVE FINISH CEILING. LABELS ARE TO BE PLACED ON BOTH SIDES OF WALL, PER 2021 IBC WITH A MAXIMUM SPACING OF 12'.
16. ALL EXPOSED CORNERS ON COUNTERS ARE TO HAVE A 1/2" RADIUS MINIMUM, UNLESS OTHERWISE NOTED.
17. REFER TO ROOM FINISH SCHEDULE/MATERIAL LEGEND FOR ALL FINISHES.
18. ALL ELECTRICAL PANELS LOCATED IN SPACES OTHER THAN DEDICATED ELECTRICAL CLOSETS OR NON-PUBLIC SPACES SHALL BE FULLY RECESSED U.N.O. PATCH AND REPAIR WALLS WHERE PANELS ARE ADDED, MODIFIED, OR DEMOLISHED.
19. COORDINATE FINAL SIZES AND LOCATIONS OF ALL CONCRETE PADS WITH THE HVAC CONTRACTOR. CONCRETE PADS SHALL BE BY DIV 3, UNO.
20. CERTAIN PLUMBING, ELECTRICAL AND MECHANICAL ELEMENTS, SUCH AS ROOF CONDUCTORS, STANDPIPES, CABINET UNIT HEATERS AND ELECTRICAL PANELS MAY OR MAY NOT BE SHOWN ON THE ARCHITECTURAL PLANS. THESE ARE SHOWN FOR COORDINATION ONLY. ALL CONTRACTORS MUST REVIEW ALL SHEETS FOR ALL REQUIRED WORK.
21. THERE ARE VARIOUS AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS WHERE MECHANICAL / ELECTRICAL / PLUMBING EQUIPMENT, PIPING, DUCTS, ETC. WILL BE DEMOLISHED AND WILL REQUIRE INFILLING / PATCHING OF FLOORS / WALLS / ROOFING. COORDINATE WITH MECHANICAL / ELECTRICAL / PLUMBING DRAWINGS FOR LOCATIONS.
22. ANY WORK IN ADJACENT OWLS OFFICE SUITE SHALL BE COORDINATED WITH OWNER AND OWLS TENANT AT LEAST ONE WEEK PRIOR TO PERFORMING WORK WITHIN THE OWLS OFFICE SUITE.
23. **JNT** = MTL. PANEL JOINT; **EJ** = MASONRY EXPANSION JOINT; **CR** = CARD READER; **DO** = AUTOMATIC DOOR OPERATOR; **INT** = INTERCOM

SEE CIVIL & LANDSCAPE DRAWINGS FOR PLAY AREA / SITE IMPROVEMENTS

EXISTING PAVILION

SLOPE DOWN

PROJECT EXTENTS
INDICATES EXTENT OF ROOMS / AREAS WITHIN THE PROJECT. REVIEW ALL M/E/P TIE-IN WORK OUTSIDE OF THESE LIMITS AND INCLUDE IN BID. PATCH ALL WALL / FLOOR / CEILING SURFACES IN THOSE LOCATIONS.

EXISTING CANOPY ABOVE

NOTE: SEE A900 FOR ALTERNATE **A4** IN THIS AREA

PLAN KEYNOTES

KEY	DESCRIPTION
01	FIRE EXTINGUISHER CABINET: SEMI-RECESSED (PAINT TO MATCH ADJ. WALL)
03	K-STYLE FIRE EXTINGUISHER CABINET AT KITCHEN AREA: SURFACE MOUNTED (PAINT TO MATCH ADJ. WALL).
04	NEW CMU SHEAR WALL ASSEMBLY. SEE STRUCTURAL DRAWINGS.
06	INFILL EXISTING WALL OPENING. MATCH ADJACENT WALL ASSEMBLY THICKNESS. ALIGN NEW / EXISTING SURFACES. TOOTH IN NEW CMU AT EXIST. CMU LOCATIONS.
07	INFILL EXISTING WALL OPENING w/ 3-HOUR FIRE RATED CMU ASSEMBLY - SEE WALL TYPES. ALIGN NEW / EXISTING INTERIOR SURFACES.
08	SEE MECHANICAL / PLUMBING / ELECTRICAL DRAWINGS FOR MEP EQUIPMENT, PIPING / DUCT / CABINET, ETC. DRAWINGS, TYP.
11	NEW OPENING THROUGH EXIST. WALL. B.O. LINTEL AT NEW OPENING AT 11'-4" A.F.F. (PAINT). GRIND DOWN / REMOVE EXIST. WALL AT FLOOR LINE TO RECEIVE NEW FLOORING FINISHES. PATCH / REPAIR / GROUT / TOOTH IN CMU JAMB FOR FINISHED SURFACE (PAINT) SEE FINISH SCHED. SEE STRUCTURAL DRAWINGS.
12	NEW CONC. STOOP (NEW SLAB ON NEW FOUNDATION). SEE STRUCTURAL DRAWINGS.
13	PROVIDE MTL. STUD / GWB FRAMING SIM TO WALL TYPE A2 ABOVE ALUMINUM STOREFRONT FRAMING TO TOP OF NEW OPENING.
16	SEE FOOD SERVICE DRAWINGS FOR KITCHEN LAYOUT / ROUGH IN REQUIREMENTS, ETC.
17	NEW FEMA RATED CMU / CONCRETE STORM SHELTER (STRUCTURAL PROVISIONS ONLY - NO MEP FEMA PROVISIONS). SEE STRUCTURAL DRAWINGS.
19	DAYCARE EQUIPMENT PROVIDED BY OWNER.
20	KNOX BOX RECESS MOUNTED 6'-0" AFF CENTERED ON WALL AS APPROVED BY FIRE MARSHALL.
21	INFILL FLOOR w/ NEW CONC. & FINISH AT REMOVED SLAB TO ACCOMMODATE PLUMBING ROUGH-IN. TIE IN NEW UNDER SLAB VAPOR BARRIER w/ EXISTING. COORDINATE w/ PLUMBING DRAWINGS.

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

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TELEPHONE [414] 476.9500
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Outagamie County Est. 1851

Project:

Outagamie YMCA Childcare

Location:
3369 W Brewster St,
Appleton, WI 54914

Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:

FIRST FLOOR PLAN

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

Revisions:

No:	Date:	Description:
1	6/12/26	ADDENDUM #01

Date:
6/02/2026

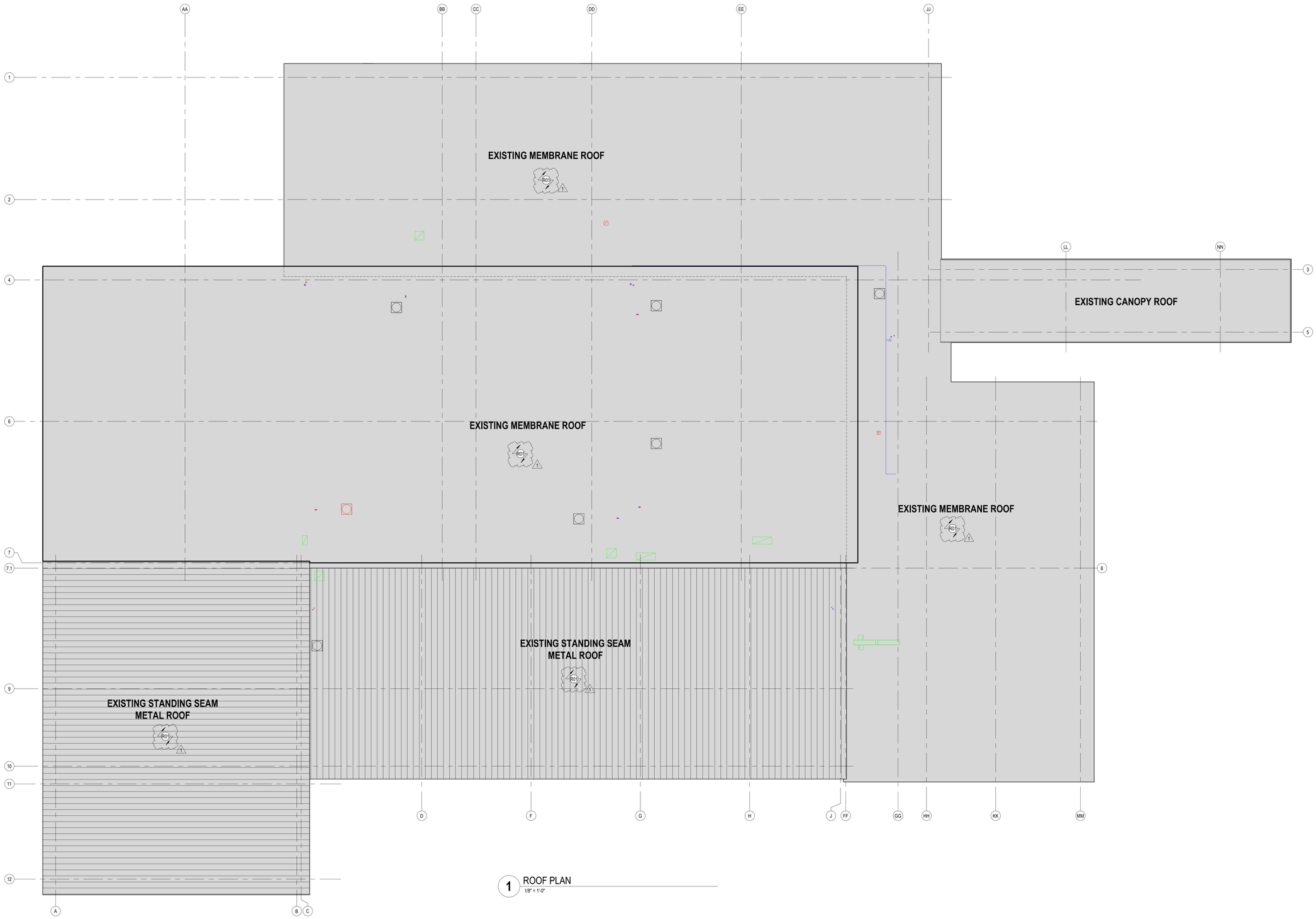
Project No.:
250081.00

Sheet No.:

A201

ROOF PLAN KEYNOTES	
KEY	DESCRIPTION
R01	ROOFING CONTRACTOR TO PATCH AND REPAIR NEW ROOF PENETRATIONS FROM MEP PIPING / DUCT / EQUIPMENT. TIE MEMBRANE FLASHING INTO EXISTING ROOFING MEMBRANE. SEE MECHACNIAL DRAWINGS.

1



1 ROOF PLAN
1/8" = 1'-0"

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ROOF PLAN

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

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1	6/12/26	ADDENDUM #01

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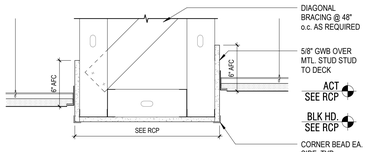
6/02/2026

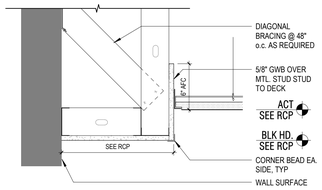
Project No.:
250081.00

Sheet No.:

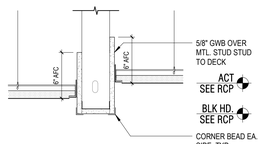
A203



4 TYP. SOFFIT DETAIL
1 1/2" = 1'-0"



3 TYP. SOFFIT / WALL DETAIL
1 1/2" = 1'-0"

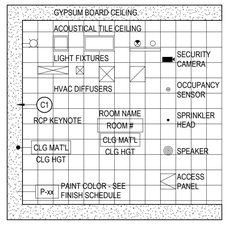


2 TYP. BULKHEAD DETAIL
1 1/2" = 1'-0"

GENERAL CEILING RECONSTRUCTION NOTES:

1. REFER TO COLOR & MATERIAL SCHEDULE ON A11.xx SHEETS FOR MATERIALS AND FINISH INFORMATION

ABBREVIATED GRAPHIC LEGEND



COMMON ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
A.F.F.	ABOVE FINISH FLOOR
GWB	GYPSUM WALL / CEILING BOARD
CJ	CONTROL JOINT
E.T.R	EXISTING TO REMAIN
EXP	EXPOSED

CEILING TYPES

ACT-1	2'x2' SUSPENDED ACOUSTICAL CEILING TILE & GRID (TYP. FOR CORRIDORS & PUBLIC SPACES)
ACT-2	2'x2' SUSPENDED ACOUSTICAL CEILING TILE & GRID (TYP. FOR KITCHEN SPACES)
GWB-1	5/8" GYPSUM BOARD 3 5/8" METAL STUD FRAMING

CEILING KEYNOTES

KEY	DESCRIPTION
C01	SOFFIT MOUNTED LIGHTING FIXTURES. SEE ELECTRICAL DRAWINGS..
C02	PROVIDE HOLD-DOWN CLIPS AT VESTIBULE ACT.
C03	SOFFIT MOUNTED MECHANICAL LOUVER. SEE MECHANICAL DRAWINGS.

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

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FIRST FLOOR REFLECTED CEILING PLAN

Scale:
As indicated

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1	6/12/26	ADDENDUM #01

Date:
6/02/2026

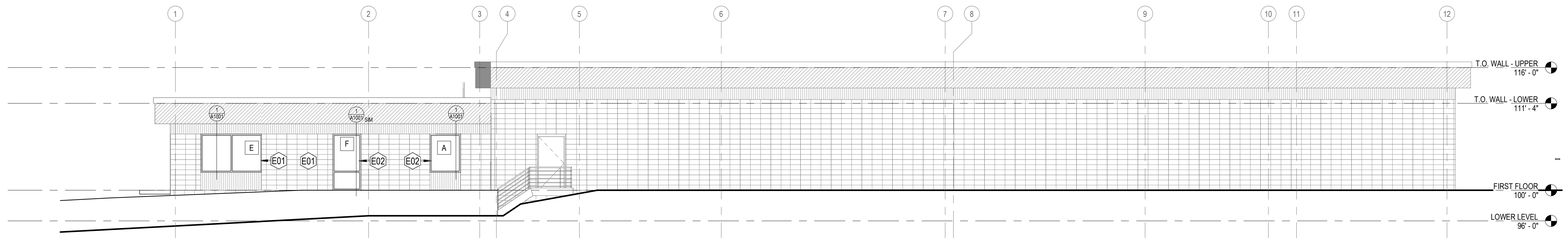
Project No.:
250081.00

Sheet No.:

A301

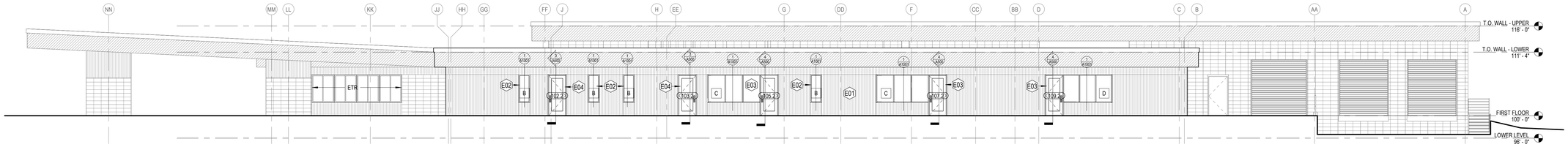
EXTERIOR ELEVATION KEYNOTES	
KEY	DESCRIPTION
E01	EXISTING CMU WALL CONSTRUCTION TO REMAIN.
E02	NEW ALUMINUM GLAZING ASSEMBLY WINDOW REPLACEMENT TO MATCH EXISTING R.O.
E03	NEW ALUM. FULL LITE STOREFRONT DOOR / ALUMINUM GLAZING ASSEMBLY. REMOVE EXTERIOR WALL AS NECESSARY FOR NEW DOOR OPENING. WINDOW REPLACEMENT TO MATCH EXISTING R.O.
E04	NEW ALUM. FULL LITE STOREFRONT DOOR CUT INTO EXISTING WALL ASSEMBLY.
E05	NEW ALUM. FULL LITE STOREFRONT DOOR / GLAZING ASSEMBLY.

1



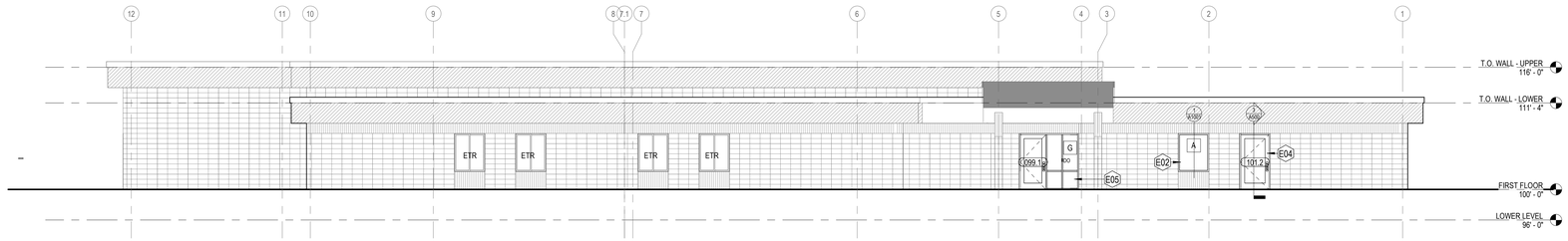
3 WEST ELEVATION
1/8" = 1'-0"

1



2 NORTH ELEVATION
1/8" = 1'-0"

1



1 EAST ELEVATION
1/8" = 1'-0"

1

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Outagamie County Est. 1851

Project:

Outagamie YMCA Childcare

Location:
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Appleton, WI 54914

Key Plan:

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Sheet:

EXTERIOR ELEVATIONS

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

Revisions:

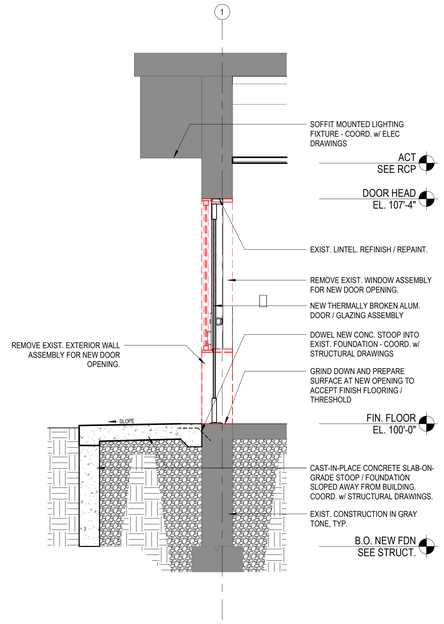
No:	Date:	Description:
1	6/12/26	ADDENDUM #01

Date:
6/02/2026

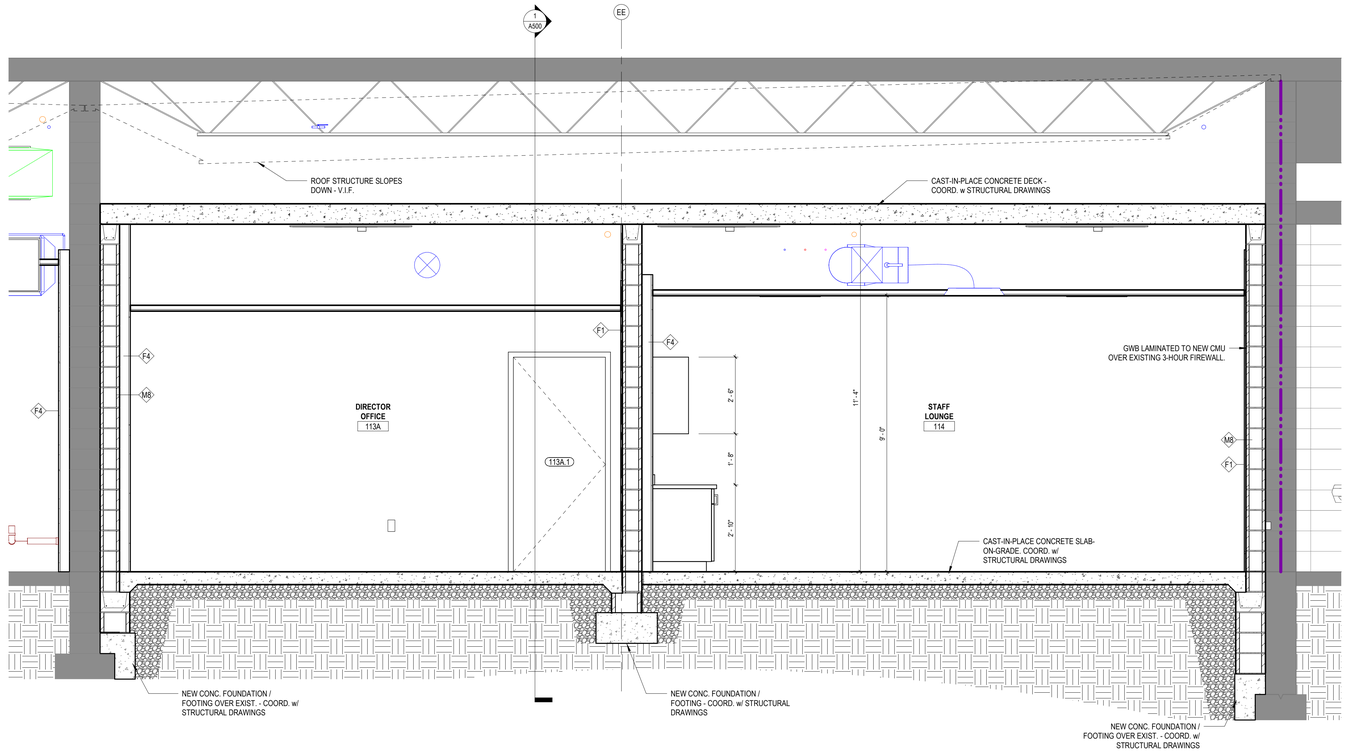
Project No.:
250081.00

Sheet No.:

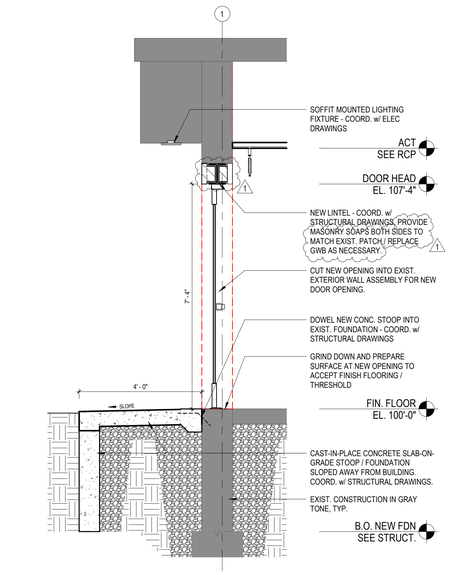
A400



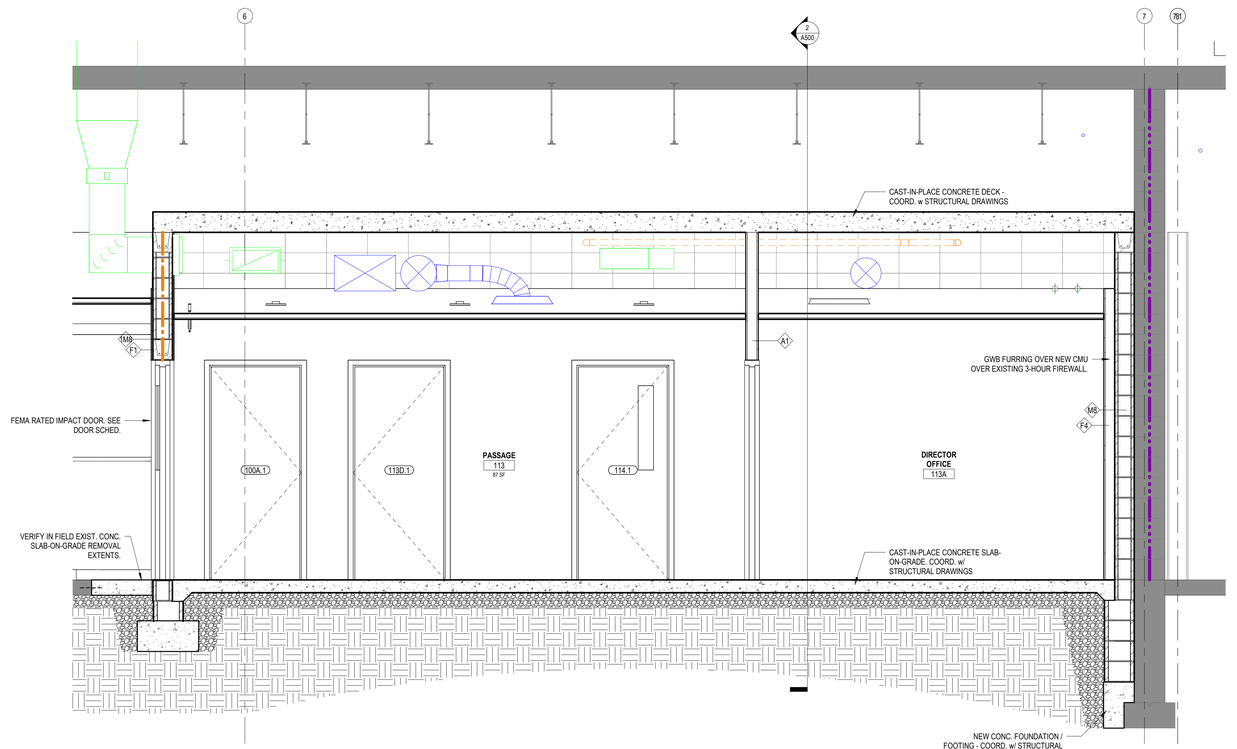
4 NEW DOOR AT EXIST. WINDOW
1/2" = 1'-0"



2 E/W STORM SHELTER BUILDING SECTION
1/2" = 1'-0"



3 NEW DOOR AT EXIST. WALL
1/2" = 1'-0"



1 N/S STORM SHELTER BUILDING SECTION
1/2" = 1'-0"

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Outagamie County Est. 1851

Project:

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Key Plan:

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Sheet:

BUILDING / WALL SECTIONS

Scale:
1/2" = 1'-0"

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6/02/2026

Project No.:
250081.00

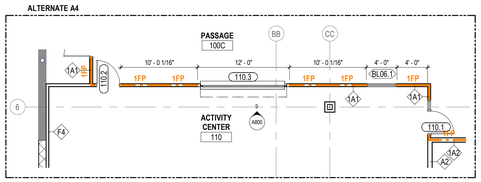
Sheet No.:

A500

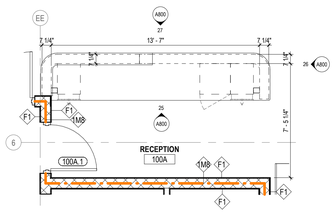
INTERIOR ELEVATION NOTES:

1. PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT AND FURNITURE AS REQUIRED.
2. VERIFY LOCATION OF OWNER FURNISHED / CONTRACTOR INSTALLED ACCESSORIES PRIOR TO INSTALLATION.
3. **OF/OI** = OWNER FURNISHED / OWNER INSTALLED; **OF/CI** = OWNER FURNISHED / CONTRACTOR INSTALLED, **FE** = FINISHED END PANEL; **F** = FILLER PANEL
4. WALL MOUNTED SINK HEIGHTS:
   - INFANTS 101 - 34" TO RIM
   - TODDLERS 102 - 18" TO RIM
   - TWOS 103 - 18" TO RIM
   - THREES 105 - 24" TO RIM
   - FOURS 106 - 24" TO RIM
   - FLEX 109 A/B - 30" TO RIM

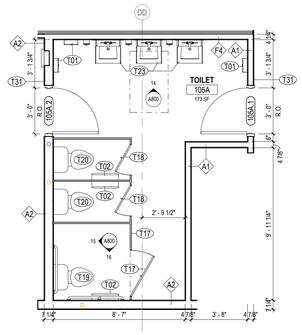
TOILET ACCESSORIES KEYNOTES	
KEY	DESCRIPTION
T01	PAPER TOWEL DISPENSER. OWNER PROVIDED, CONTRACTOR INSTALLED.
T02	TOILET TISSUE DISPENSER. OWNER PROVIDED, CONTRACTOR INSTALLED.
T03	SOAP DISPENSER, SURFACE MOUNTED. OWNER PROVIDED, CONTRACTOR INSTALLED. MOUNTING HEIGHT TO BE ADA COMPLIANT.
T08	GRAB BAR - 36"
T09	GRAB BAR - 42"
T10	GRAB BAR - 18" VERTICAL
T11	FRAMED MIRROR
T17	36" TOILET PARTITION DOOR w/ ROBE HOOK
T18	24" TOILET PARTITION DOOR w/ ROBE HOOK
T19	FLOOR-MOUNTED TOILET w/ TANK, ADA COMPLIANT. SEE PLUMBING DRAWINGS.
T20	FLOOR-MOUNTED TOILET w/ TANK, STANDARD. SEE PLUMBING DRAWINGS.
T21	FLOOR-MOUNTED CHILD HEIGHT TOILET w/ TANK, ADA COMPLIANT. SEE PLUMBING DRAWINGS.
T22	FLOOR-MOUNTED CHILD HEIGHT TOILET w/ TANK, STANDARD. SEE PLUMBING DRAWINGS.
T23	WALL-MOUNTED SINK, ADA COMPLIANT. SEE PLUMBING DRAWINGS. PROVIDE PROTECTIVE TRAP COVER.
T28	FLOOR MOUNTED TOILET PARTITION SYSTEM.
T31	WALL MOUNTED ADA SIGNAGE. COORD. STYLE / TYPE w/ BUILDING OWNER / 3RD PARTY VENDOR



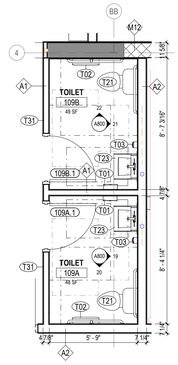
8 ENLARGED ACTIVITY CENTER 110 (ALT A4)
1/8" = 1'-0"



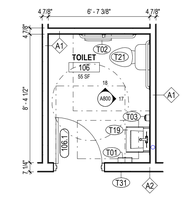
7 ENLARGED RECEPTION 100A
1/4" = 1'-0"



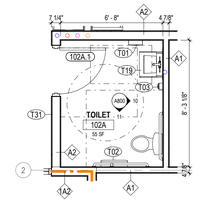
6 ENLARGED TOILET 105A
1/4" = 1'-0"



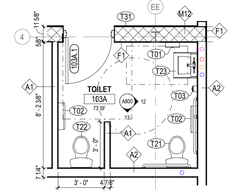
5 ENLARGED TOILET 109A / 109B
1/4" = 1'-0"



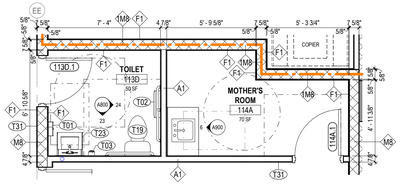
2 ENLARGED TOILET 106
1/4" = 1'-0"



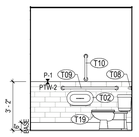
4 ENLARGED 102A
1/4" = 1'-0"



1 ENLARGED TOILET 103A
1/4" = 1'-0"



3 ENLARGED TOILET 113D / MOTHERS RM 114A
1/4" = 1'-0"



18 TOILET 106 - 02
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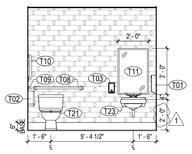
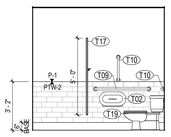
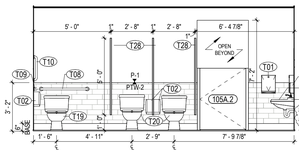


17 TOILET 106 - 01
1/4" = 1'-0"



16 TOILET 105A - 03
1/4" = 1'-0"



15 TOILET 105A - 02
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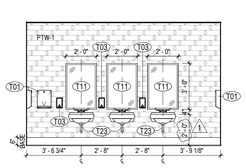

14 TOILET 105A - 01
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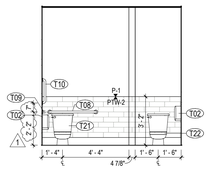

13 TOILET 103A - 02
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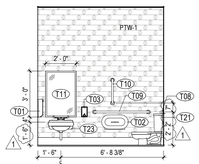
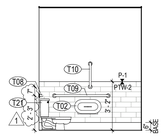


12 TOILET 103A - 01
1/4" = 1'-0"



11 TOILET 102A - 02
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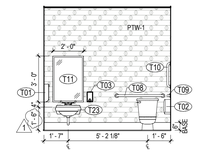

10 TOILET 102A - 01
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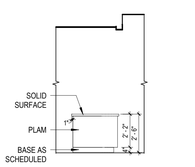
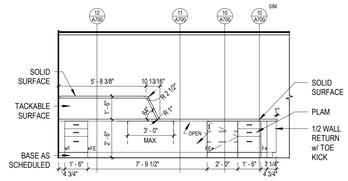
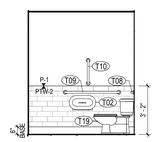


26 RECEPTION 100A - 02
1/4" = 1'-0"



25 RECEPTION 100A - 01
1/4" = 1'-0"



24 TOILET 113D - 02
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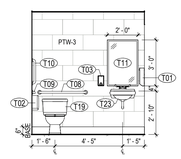

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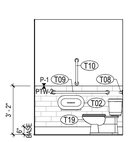

22 TOILET 109B - 02
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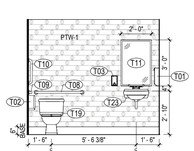

21 TOILET 109B - 01
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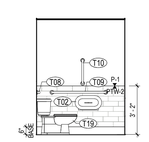

20 TOILET 109A - 02
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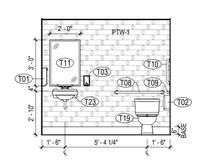
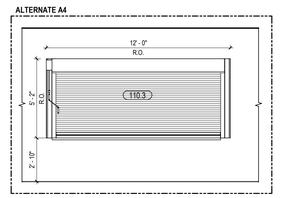
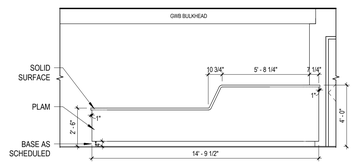


19 TOILET 109A - 01
1/4" = 1'-0"



9 ACTIVITY ROOM 110 - 04 (ALT A4)
1/4" = 1'-0"



27 RECEPTION 100A - 03
1/4" = 1'-0"

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Outagamie County Est. 1851

Project:

Outagamie YMCA Childcare

Location:
3369 W Brewster St,
Appleton, WI 54914

Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:

ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

Scale:

As indicated

Revisions:

No:	Date:	Description:
1	6/12/26	ADDENDUM #01

Date:

6/02/2026

Project No.:

250081.00

Sheet No.:

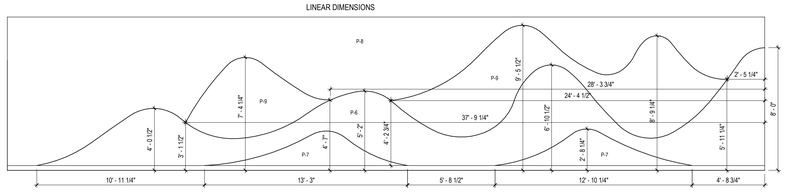
A800

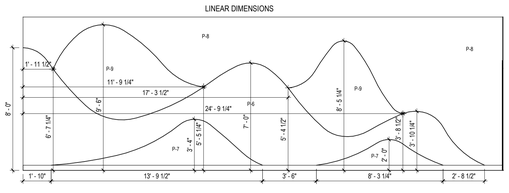
INTERIOR ELEVATION NOTES:

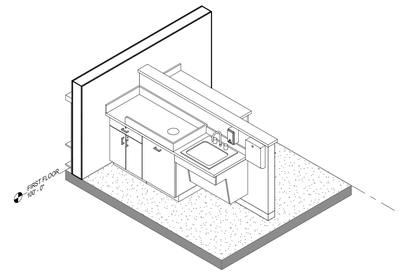
1. PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT AND FURNITURE AS REQUIRED.
2. VERIFY LOCATION OF OWNER FURNISHED / CONTRACTOR INSTALLED ACCESSORIES PRIOR TO INSTALLATION.
3. **OF/OI** = OWNER FURNISHED / OWNER INSTALLED; **OF/CI** = OWNER FURNISHED / CONTRACTOR INSTALLED, **FE** = FINISHED END PANEL; **F** = FILLER PANEL
4. WALL MOUNTED SINK HEIGHTS:
   - INFANTS 101 - 34" TO RIM
   - TODDLERS 102 - 18" TO RIM
   - TWOS 103 - 18" TO RIM
   - THREES 105 - 24" TO RIM
   - FOURS 106 - 24" TO RIM
   - FLEX 109 A/B - 30" TO RIM

1

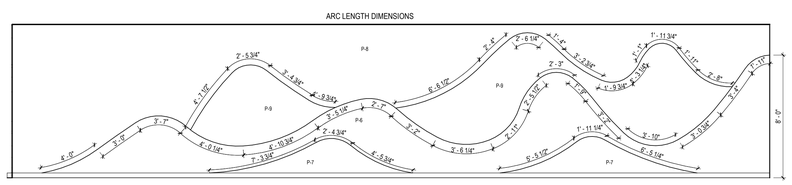
TOILET ACCESSORIES KEYNOTES	
KEY	DESCRIPTION
T01	PAPER TOWEL DISPENSER. OWNER PROVIDED, CONTRACTOR INSTALLED.
T03	SOAP DISPENSER, SURFACE MOUNTED. OWNER PROVIDED, CONTRACTOR INSTALLED. MOUNTING HEIGHT TO BE ADA COMPLIANT.



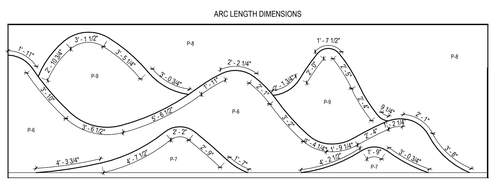




18 CHANGING STATION AXON



17 ACTIVITY CENTER 110 - 02
1/4" = 1'-0"



16 ACTIVITY CENTER 110 - 01
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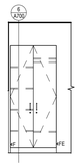
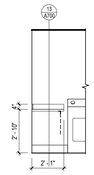
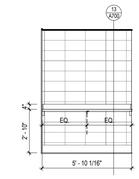


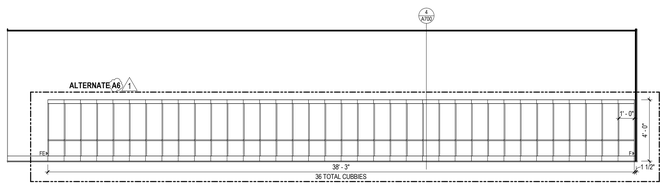
15 PREP. / CHANGE 101 - 01
1/4" = 1'-0"



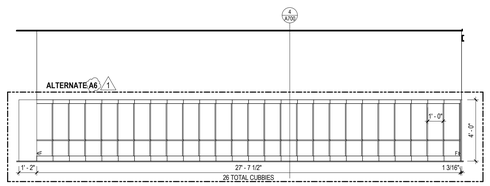
14 LAUNDRY 116 - 02
1/4" = 1'-0"



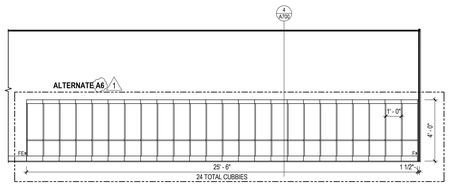
13 LAUNDRY 116 - 01
1/4" = 1'-0"



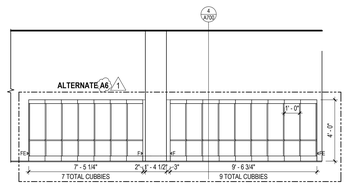
12 FLEX 109 - 01
1/4" = 1'-0"



11 FOURS 107 - 01
1/4" = 1'-0"



10 THREES 105 - 01
1/4" = 1'-0"



9 TWOS 103 - 01
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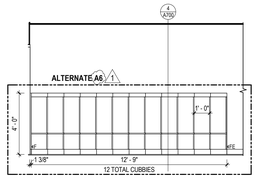

8 TODDLERS 102 - 01
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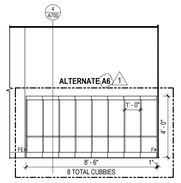
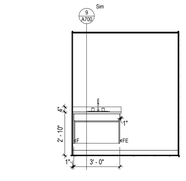
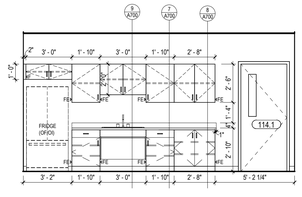


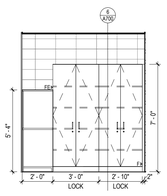
7 INFANTS 101 - 01
1/4" = 1'-0"



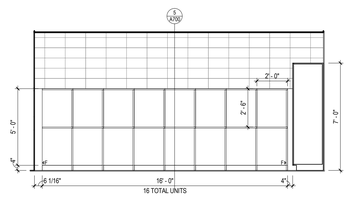
6 MOTHER'S ROOM 114A - 01
1/4" = 1'-0"



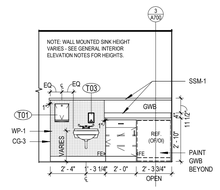
5 STAFF LOUNGE 114 - 01
1/4" = 1'-0"



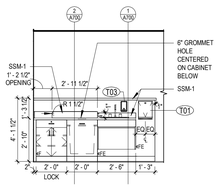
4 STOR. 115 - 02
1/4" = 1'-0"



3 STOR. 115 - 01
1/4" = 1'-0"



2 TYP. ISLAND - 02
1/4" = 1'-0"



1 TYP. ISLAND - 01
1/4" = 1'-0"

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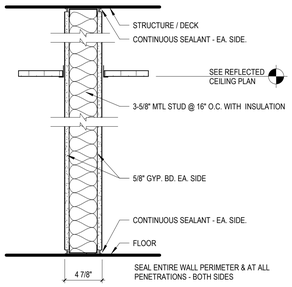
A900

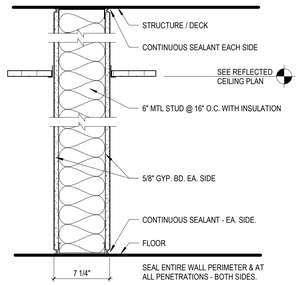
TYPICAL INTERIOR WALL TYPES

STANDARD METAL STUD WALLS



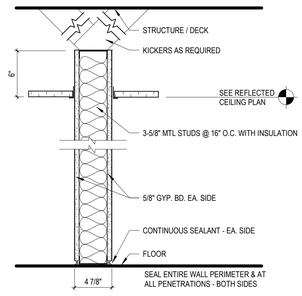
A1 DRYWALL PARTITION

A1b WITHOUT INSULATION.



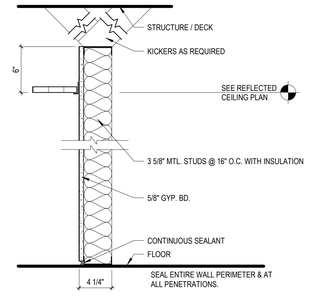
A2 DRYWALL PARTITION

A2b WITHOUT INSULATION.



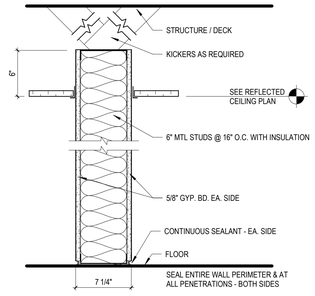
B1 DRYWALL PARTITION

B1b WITHOUT INSULATION.



D2 DRYWALL PARTITION

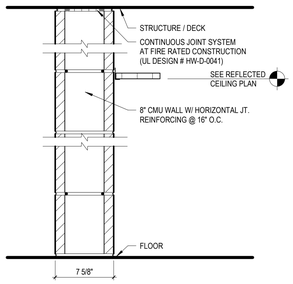
D2b WITHOUT INSULATION.



B2 DRYWALL PARTITION

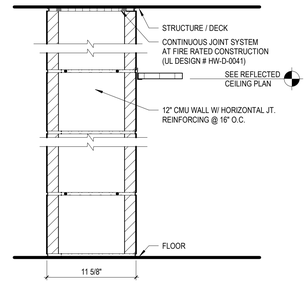
B2b WITHOUT INSULATION.

STANDARD MASONRY WALLS



M8 8" MASONRY PARTITION (CMU)

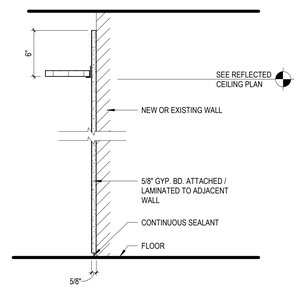
1M8 1 HOUR FIRE RATED CMU - (UL DESIGN NO. U905)
3M8 3 HOUR FIRE RATED CMU - (UL DESIGN NO. U904)



M12 12" MASONRY PARTITION (CMU)

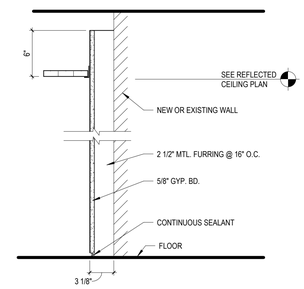
1M12 1 HOUR FIRE RATED CMU - (UL DESIGN NO. U905)
3M12 3 HOUR FIRE RATED CMU - (UL DESIGN NO. U904)

TYPICAL WALL TYPES - FURRING WALLS



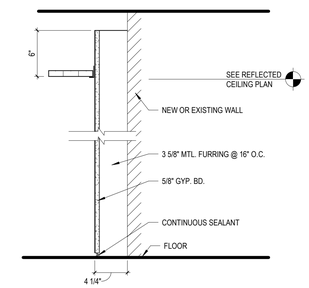
F1 FURRING PARTITION

F1b EXTEND GYP. BD. TO DECK.



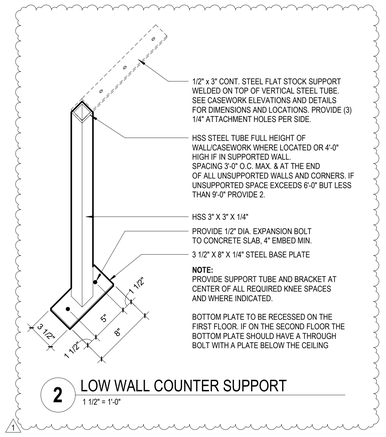
F3 FURRING PARTITION

F3b EXTEND GYP. BD. and STUDS TO DECK.



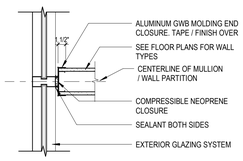
F4 FURRING PARTITION

F4b EXTEND GYP. BD. and STUDS TO DECK.



2 LOW WALL COUNTER SUPPORT

1 1/2" = 1'-0"



1 PARTITION / MULLION INTERSECTION

1" = 1'-0"

GENERAL WALL NOTES

1. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE-STOPPED USING UL TESTED OR EQUIVALENT TESTING AGENT MATERIALS AND METHODS. ALL METHODS MUST PASS LOCAL AUTHORITY INSPECTION.
2. REFER TO ARCHITECTURAL FLOOR PLANS FOR WALL TYPE TAGS. WALL TYPES INDICATED BY Ⓧ. ANY WALL SHOWN ON THE PLANS WITHOUT A WALL TAG IS ASSUMED TO BE TYPE **"A1"** IF GRAPHICALLY INDICATED AS GYP BOARD & METAL STUD, AND TYPE **"M8"** IF GRAPHICALLY INDICATED AS MASONRY. IF MASONRY INFILL WALL IS NOT TAGGED, IT SHALL BE ASSUMED TO MATCH THE WIDTH OF THE EXISTING WALL. SEE SHEET **A0.0** FOR GRAPHIC LEGEND.
3. PROVIDE 5/8" TYPE 'X' GYPSUM BOARD FOR ALL METAL STUD & SHAFT WALLS UNLESS NOTED OTHERWISE.
4. EXTEND ALL PARTITION FRAMING FULL HEIGHT (TO THE UNDERSIDE OF STRUCTURAL SUPPORTS OR FLOOR/ROOF DECKING) EXCEPT WHERE PARTITIONS ARE INDICATED TO TERMINATE AT OR ABOVE SUSPENDED CEILINGS AND/OR CEILING ASSEMBLY(S).

A. "WET" WALL NOTES

A1. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD ON WALLS AT ALL WET LOCATIONS INCLUDING THE FOLLOWING:
   a. TOILET ROOMS
   b. JANITOR CLOSETS
   c. MECHANICAL ROOMS
   d. DRINKING FOUNTAINS
   e. SINKS AT CASEWORK
   f. OTHER WET AREAS

A2. PROVIDE CEMENTITIOUS BACKER BOARD SUBSTRATE WHERE WALLS ARE SCHEDULED TO RECEIVE CERAMIC TILE.

B. RATED WALL NOTES

B1. REFER TO LIFE SAFETY PLANS FOR FIRE BARRIER, FIRE PARTITION, AND SMOKE PARTITION RATINGS, LOCATIONS, AND REQUIREMENTS.

B2. PROVIDE PROPRIETARY FIRESTOP TRACK TOP RUNNER TO ALLOW PARTITIONS HEADS TO EXPAND AND CONTRACT WITH STRUCTURE.

B3. INSTALL INSULATION BEARING UL CLASSIFICATION IN ALL RATED WALLS

B4. MAINTAIN (1) LAYER TYPE 'X' GYPSUM BOARD BEHIND SHOWER / BATH ENCLOSURES AT ALL RATED WALL LOCATIONS

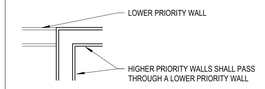
B5. PROVIDE FIRE STOP AND/OR SMOKE STOP SYSTEMS AT ALL PENETRATIONS AND OPENINGS THROUGH FIRE RATED WALLS AND/OR SMOKE RATED WALLS TO MAINTAIN THE INTEGRITY OF THAT CONSTRUCTION AS LISTED BY UL.
   a. METAL THROUGH PENETRATIONS

C. SOUND WALL NOTES

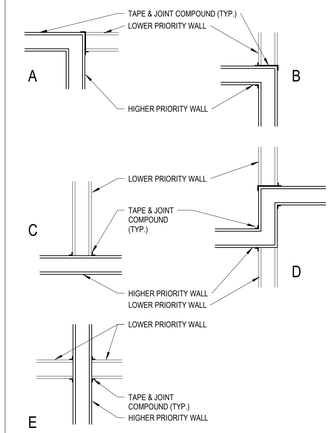
C1. SOUND ATTENUATION BATT INSULATION IS TO BE INSTALLED AT ALL BATHROOM PERIMETER WALLS.

C2. ALL PENETRATIONS, OPENINGS (INCLUDING THE WALLS' PERIMETER) THROUGH SOUND RATED WALLS ARE TO BE ACOUSTICALLY SEALED.

DETAIL ABUTMENT OF DISSIMILAR WALL



INTERSECTION OF RATED WALLS



WALL PRIORITY LEGEND

THIS LEGEND IS FOR GRAPHIC REPRESENTATION ONLY. SEE WALL TYPES THIS SHEET FOR WALL COMPONENTS, NUMBER OF GYPSUM BD. LAYERS, GYPSUM BD. TYPES, AND OTHER SIMILAR INFORMATION.

HIGHEST

FOUR HOUR FIRE WALL (4FW)	PRIORITY 1
THREE HOUR FIRE WALL (3FW)	PRIORITY 2
TWO HOUR FIRE WALL (2FW)	PRIORITY 3
FOUR HOUR FIRE BARRIER (4FB)	PRIORITY 4
THREE HOUR FIRE BARRIER (3FB)	PRIORITY 5
TWO HOUR SHAFTWALL (2SE)	PRIORITY 6
TWO HOUR FIRE BARRIER (2FB)	PRIORITY 7
ONE HOUR RATED SMOKE BARRIER (1SB)	PRIORITY 8
ONE HOUR RATED SHAFT ENCLOSURE (1SE)	PRIORITY 9
ONE HOUR RATED HAZARDOUS PARTITION	PRIORITY 10
ONE HOUR RATED FIRE BARRIER (1FB)	PRIORITY 11
ONE HOUR RATED FIRE PARTITION	PRIORITY 12
NON-RATED SMOKE TIGHT PARTITION AROUND HAZARDOUS SPACES	PRIORITY 13
NON-RATED SMOKE TIGHT CORRIDOR PARTITION (SP)	PRIORITY 14
NON-RATED PARTITION TO DECK	PRIORITY 15
NON-RATED PARTITION TO 4" MIN. ABOVE CEILING	PRIORITY 16

LOWEST

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WINDOW TYPES:

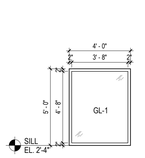
GENERAL NOTES:
1. ALL ALUMINUM CURTAIN WALL / STOREFRONT TO BE THERMALLY BROKEN INSULATED GLAZING SYSTEM.
2. ALL GLASS AND FRAME IN A RATED WALL SHALL BE RATED TO MATCH THE WALL.
3. PROVIDE TEMPERED GLASS AT ALL CODE REQUIRED LOCATIONS.

GLASS TYPES:

GL-1 1" INSULATED TEMPERED GLASS UNIT

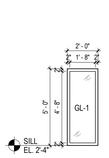
GL-2 1/4" THICK CLEAR TEMPERED FLOAT GLASS

GL-3 3/16" FIRE RATED GLASS WITH OH-20 MARKINGS



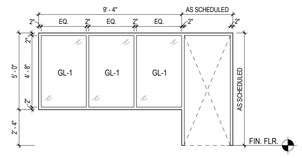
A

THERMALLY BROKEN ALUMINUM GLAZING ASSEMBLY w/ 1" IGU, DARK BRONZE ANODIZED FRAME.



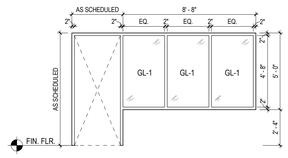
B

THERMALLY BROKEN ALUMINUM GLAZING ASSEMBLY w/ 1" IGU, DARK BRONZE ANODIZED FRAME, FIXED



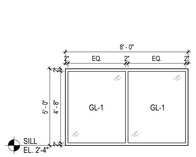
C

THERMALLY BROKEN ALUMINUM GLAZING ASSEMBLY w/ FIXED 1" IGU / DARK BRONZE ANODIZED FRAME.



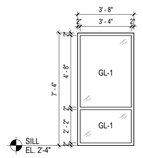
D

THERMALLY BROKEN ALUMINUM GLAZING ASSEMBLY w/ FIXED 1" IGU / DARK BRONZE ANODIZED FRAME.



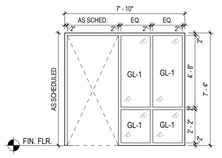
E

THERMALLY BROKEN ALUMINUM GLAZING ASSEMBLY w/ 1" IGU, DARK BRONZE ANODIZED FRAME.



F

THERMALLY BROKEN ALUMINUM GLAZING ASSEMBLY w/ 1" IGU, DARK BRONZE ANODIZED FRAME.



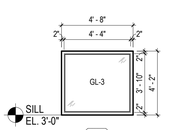
G

THERMALLY BROKEN ALUMINUM GLAZING ASSEMBLY w/ FIXED 1" IGU / DARK BRONZE ANODIZED FRAME.

BORROWED LITE TYPES

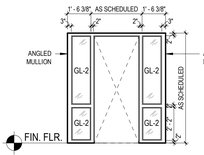
THE TERM "BORROWED LITE" SHALL REFER TO ANY INTERIOR WALL OPENING IN WHICH WOOD, ALUMINUM OR HOLLOW METAL IS USED TO FRAME ANY TYPE OF GLASS OR MIRROR. A BORROWED LITE IS COMPLETELY INDEPENDENT OF ANY DOOR FRAME. SIDELIGHTS (ADJACENT TO DOORS WITHIN THE SAME FRAMING ELEMENT) AND TRANSOMS (ABOVE DOORS WITHIN THE SAME FRAMING ELEMENT) CAN BE FOUND UNDER THE DOOR FRAME TYPES. BORROWED LITES SHALL NOT INCLUDE MIRRORS IN TOILET ROOMS, BUT SHALL INCLUDE "1-WAY" MIRRORS AS NOTED IN THE SCHEDULE.

NOTES
1. ALL HOLLOW METAL FRAMES SHALL BE PRIMED AND PAINTED, U.N.O. SEE ROOM FINISH SCHEDULE.
2. ALL HOLLOW METAL FRAMES SHALL HAVE A FULL PERIMETER REMOVABLE STOP ON THE SECURED SIDE OF THE ROOM.
3. ALL GLASS AND FRAME IN A RATED WALL SHALL BE RATED TO MATCH THE WALL.
4. STOPS ON ALL WINDOW FRAMES ARE NOT SHOWN FOR CLARITY.



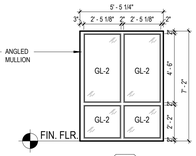
BL01

GLAZING ASSEMBLY w/ 3/16" FIRE RATED GLASS GLASS & HOLLOW METAL FRAME



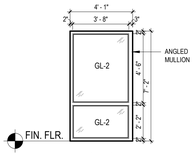
BL02

GLAZING ASSEMBLY w/ 1/4" TEMPERED GLASS & HOLLOW METAL FRAME



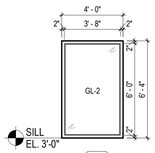
BL03

GLAZING ASSEMBLY w/ 1/4" TEMPERED GLASS & HOLLOW METAL FRAME



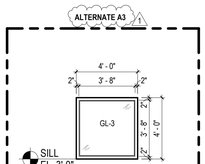
BL04

GLAZING ASSEMBLY w/ 1/4" TEMPERED GLASS & HOLLOW METAL FRAME



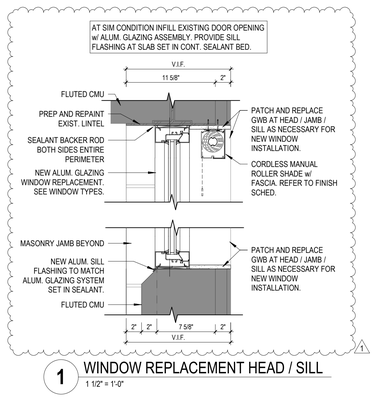
BL05

GLAZING ASSEMBLY w/ 1/4" TEMPERED GLASS & HOLLOW METAL FRAME



BL06

GLAZING ASSEMBLY w/ 3/16" FIRE RATED GLASS GLASS & HOLLOW METAL FRAME



1 WINDOW REPLACEMENT HEAD / SILL
1 1/2" = 1'-0"

Zimmerman
ARCHITECTURAL STUDIOS, INC.
2122 W. Mount Vernon Avenue | Milwaukee, WI 53233 | zastudios.com
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Outagamie County Est. 1851

Project:

Outagamie YMCA Childcare

Location:
3369 W Brewster St,
Appleton, WI 54914

Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:

WINDOW TYPES, BORROWED LITE TYPES

Scale:
As indicated

Revisions:

No:	Date:	Description:
1	6/12/26	ADDENDUM #01

Date:
6/02/2026

Project No.:
250081.00

Sheet No.:

A1001

COLOR AND MATERIAL SCHEDULE

CODE	MATERIAL	MANUFACTURER	DESCRIPTION	NUMBER/COLOR	SIZE	REMARKS
Acoustical Ceiling Panel						
ACP-1	Acoustical Ceiling Panel	Kirei	Flat Clouds - Small Circle - Installation: GripLock Cable Set	Pistachio 041	23" x 23" x 0.47"	
ACP-2	Acoustical Ceiling Panel	Kirei	Flat Clouds - Medium Circle - Installation: GripLock Cable Set	Vineyard 017	33" x 33" x 0.47"	
ACP-3	Acoustical Ceiling Panel	Kirei	Flat Clouds - Large Circle - Installation: GripLock Cable Set	Olive 021	46" x 46" x 0.47"	
Acoustical Ceiling Tile						
ACT-1	Acoustical Ceiling Tile	Armstrong	Ultima - #1911 - Beveled Tegular - Grid: 15/16", Color: White	White	24" x 24"	Use hold down clips in vestibules
ACT-2	Acoustical Ceiling Tile	USG	Sheetrock Brand Lay-In Gypsum Ceiling Panel - #3260 - Grid: 15/16", Grid Color: White	White	24" x 24"	
Carpet Tile						
CPT-1	Carpet Tile	Interface	Step Repeat - SR899 - Backing: Glasback	Smoke 104938	50cm x 50cm	Installation: Monolithic
CPT-2	Carpet Tile	Interface	Knitstitch - Backing: Glasbac	Mushroom 103332	50cm x 50cm	Installation: Ashlar
CPT-3	Carpet Tile	Interface	Free Reign - Backing: Glasbac	Spruce 108402	25cm x 1m	Installation: Ashlar
CPT-4	Carpet Tile	Interface	Eben - Backing: Glasbac	Walnut 107538	25cm x 1m	Installation: Ashlar
Corner Guard						
CG-1	Corner Guard	InPro	160BN BluNose High Impact Corner Guard	Eggshell 0111	4'H	
CG-2	Corner Guard	InPro	160BN BluNose High Impact Corner Guard	Eggshell 0111	Full Height	
CG-3	Corner Guard	InPro	150DBN BluNose High Impact End Wall Protector	Eggshell 0111	4'H	
Epoxy Flooring						
EPF-1	Epoxy Flooring	Sherwin Williams	Hybri-Flex AC - 1/8" Flake - With 6"H integral cove base, use satin annodized aluminum metal J trim as cap on integral cove base	Ocelot		
Existing to Remian						
ETR	Existing to Remian					
Fiberglass Reinforced Panel						
FRP-1	Fiberglass Reinforced Panel	Marlite	Standard FRP - Finish: Pebbled - Thickness: 0.090" - Fire rating: Class A	Silver P145	Full height	
Luxury Vinyl Tile						
LVT-1	Luxury Vinyl Tile	Interface	Northern Grain - Thickness: 4.5mm	Oak Satin A02611	25cm x 1m	Installation: Ashlar
LVT-2	Luxury Vinyl Tile	Interface	Heirloom - Thickness: 4.5mm	Sweetgrass A03606	25cm x 1m	Installation: Ashlar
LVT-3	Luxury Vinyl Tile	Interface	Heirloom - Thickness: 4.5mm	Dyed Indigo A03608	25cm x 1m	Installation: Ashlar
Metal Trim						
MT-1	Metal Trim	Schluter	Jolly	Satin Annodized Aluminum		For use on all exposed tile edges
MT-2	Metal Trim	Fry Reglet	Wallcovering Base/Termination	Clear Annodized		
Paint						
P-1	Paint	Sherwin Williams	Finish: Eggshell	Natural Tan SW7567		Field Paint
P-2	Paint	Sherwin Williams	Finish: Satin	Library Pewter SW0038		HM Doors & Frames
P-3	Paint	Sherwin Williams	Finish: Flat	Greek Villa SW7551		Gyp Ceilings & Soffits
P-4	Paint	Sherwin Williams	Dryfall Paint	Greek Villa SW7551		Exposed Ceilings
P-5	Paint	Sherwin Williams	Finish: Eggshell	Keystone Gray SW7504		Medium Neutral Accent
P-6	Paint	Sherwin Williams	Finish: Eggshell	Valleyview SW9673		Light Green Accent
P-7	Paint	Sherwin Williams	Finish: Eggshell	Agate Green SW7742		Medium Green Accent
P-8	Paint	Sherwin Williams	Finish: Eggshell	Billowy Breeze SW9055		Light Blue Accent
P-9	Paint	Sherwin Williams	Finish: Eggshell	Powder Blue SW2863		Medium Blue Accent
Patch to Match						
PTM	Patch to Match					
Plastic Laminate						
PL-1	Plastic Laminate	Wilsonart	Standard HPL - Texture: Fine Velvet Finish	Neowalnut 7991-38		
PL-2	Plastic Laminate	Wilsonart	Standard HPL - Texture: Fine Velvet Finish	Handspun Chestnut 5036-38		
Porcelain Tile Base						
PTB-1	Porcelain Tile Base	Daltile	Dignitary - Finish: Matte	Notable Beige DR09	6" x 12"	Installation: Align grout joints with floor & wall grout joints - Grout: to be selected from awarded MFR standard color
Porcelain Tile Floor						
PTF-1	Porcelain Tile Floor	Daltile	Dignitary - Finish: Matte	Notable Beige DR09	12" x 24"	Installation: TBD - Grout: to be selected from awarded MFR standard color
Porcelain Tile Wall						
PTW-1	Porcelain Tile Wall	Daltile	Stencil - Mint Rectangle Half Moon - Finish: Matte	Mint SC37	4" x 12"	Installation: 1/3 Offset, Full Height - Grout: to be selected from awarded MFR standard color
PTW-2	Porcelain Tile Wall	Daltile	Color Wheel Linear - Finish: Matte	Urban Putty 0761	4" x 12"	Installation: 1/3 Offset, to 3'-2"H AFF - Grout: to be selected from awarded MFR standard color
PTW-3	Porcelain Tile Wall	Marazzi	Persuade - Finish: Matte	Beige PS41	12" x 24"	Installation: 1/3 Offset, Full Height - Grout: to be selected from awarded MFR standard color
Resilient Base						
RB-1	Resilient Base	Tarkett	Standard Vinyl Cove Base	Grizzly 281	4"H	
Sealed Concrete						
SCONC	Sealed Concrete					
Sheet Vinyl Floor						
SVF-1	Sheet Vinyl Floor	Patcraft	Holistic Shades I690V - With 6"h integral cove base, use satin annodized aluminum metal J trim as cap on integral cove base	Uplift 00515	6'-6"	
Solid Surface						
SSM-1	Solid Surface	LX Hausys	Hi-Macs	Luster L016		
Tack Surface						
TKS-1	Tack Surface	Forbo	Bulletin Board	TBD		
Toilet Partition						
TP-1	Toilet Partition	Scranton	Hiny Hiders	Linen		
Wall Protection						
WP-1	Wall Protection	InPro	Palladium Rigid Sheet Wall Protection	Eggshell 0111	4'H	Include all trim, corner & edge trim caps as needed
Wallcovering						
WC-1	Wallcovering	Wolf Gordon	Ridgeline	Aegean RGL5416		
Window Treatment						
WT-1	Window Treatment	InPro	Manual Cordless Window Shade - CF200 SoloMount with Fascia - Shade: WT Shade, 3%	245-57 French Roast		
Wood Door						
WD	Wood Door		Species: White Oak - Cut: Quarter - Stain: Custom to match PL-1			

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING	CABINETS	COUNTERTOP	WALL PROTECTION	WINDOW TREATMENT	REMARKS	ROOM NUMBER
-	SHIPPING / RECEIVING	ETR	ETR/PTM	ETR	PTM	ETR	ETR	ETR						-
-	WAREHOUSE	ETR	ETR	ETR	ETR	ETR	ETR	ETR						-
-	WAREHOUSE	ETR	ETR/PTM	PTM	ETR	ETR	ETR	ETR						-
098	VEST.	CPT-1	RB-1	P-1	P-1	P-1	P-1	P-3						098
098A	VEST.	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						098A
099	VESTIBULE	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						099
100	LOBBY	LVT-1	RB-1	P-1	P-1	P-1	P-5	ACT-1						100
100A	RECEPTION	LVT-1/CPT-2	RB-1	--	P-1	P-1/WC-1	P-1	ACT-1	PL-1	SSM-1			TKS-1 ABOVE WORK SURFACE TO TRANSACTION COUNTER ON RECEPTION DESK - USE MT-2 ON EXPOSED EDGE OF VWC-1	100A
100B	PASSAGE	LVT-3	RB-1	P-1	P-1	P-1	P-5	ACT-1						100B
100C	PASSAGE	LVT-1/LVT-2	RB-1	P-5	--	P-9	P-5	ACT-1			CG-1			100C
101	INFANTS	LVT-1/CPT-3	RB-1	P-1/P-7	P-1	P-1/P-6	P-1	ACT-1	PL-1	SSM-1	CG-1/CG-3/ WP-1	WT-1	CUBBIES: PL-1 - SSM-1 CAP ON PARTIAL HEIGHT WALL	101
101A	CRIBS	LVT-1	RB-1	P-5	P-5	P-5	P-5	ACT-1						101A
101B	STOR.	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						101B
102	TODDLERS	LVT-1/LVT-3/ CPT-3	RB-1	P-1	P-1/P-9	P-1	P-1/P-8	ACT-1	PL-1	SSM-1	CG-1/WP-1	WT-1	CUBBIES: PL-1 - SSM-1 CAP ON PARTIAL HEIGHT WALL	102
102A	TOILET	SVF-1	SVF-1	P-1/PTW-2	P-1/PTW-1	P-1/PTW-2	P-1	ACT-1					SEE ELEVATIONS FOR HEIGHT OF WALL TILE - USE MT-1 ON EXPOSED EDGE OF TILE	102A
102B	STORAGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						102B
103	TWOS	LVT-1/CPT-3	RB-1	P-1	P-1	P-6	P-7	ACT-1	PL-1	SSM-1	CG-1/CG-3/ WP-1	WT-1	CUBBIES: PL-1 - SSM-1 CAP ON PARTIAL HEIGHT WALL	103
103A	TOILET	SVF-1	SVF-1	P-1/PTW-2	P-1/PTW-1	P-1/PTW-2	P-1/PTW-2	ACT-1					SEE ELEVATIONS FOR HEIGHT OF WALL TILE - USE MT-1 ON EXPOSED EDGE OF TILE	103A
103B	STORAGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						103B
104	SENSORY	LVT-1	RB-1	P-5	P-1	P-1	P-1	ACT-1						104
105	THREES	LVT-1/LVT-2/ CPT-3	RB-1	P-1	P-1/P-8	P-1	P-1/P-9	ACT-1	PL-1	SSM-1	CG-1/CG-2/ CG-3/WP-1	WT-1	CUBBIES: PL-1 - SSM-1 CAP ON PARTIAL HEIGHT WALL	105
105A	TOILET	SVF-1	SVF-1	P-1/PTW-1	P-1	P-1/PTW-2	P-1/PTW-2	ACT-1			CG-1		SEE ELEVATIONS FOR HEIGHT OF WALL TILE - USE MT-1 ON EXPOSED EDGE OF TILE	105A
105B	ST.	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						105B
106	TOILET	SVF-1	SVF-1	P-1/PTW-2	P-1/PTW-1	P-1/PTW-2	P-1	ACT-1					SEE ELEVATIONS FOR HEIGHT OF WALL TILE - USE MT-1 ON EXPOSED EDGE OF TILE	106
107	FOURS	LVT-1/LVT-3/ CPT-3	RB-1	P-1	P-1	P-1	P-1/P-6/P-7	ACT-1	PL-1	SSM-1	CG-1/CG-3/ WP-1	WT-1	CUBBIES: PL-1 - SSM-1 CAP ON PARTIAL HEIGHT WALL	107
107A	STOR.	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						107A
108	UTILITY	SCONC	RB-1	P-1	P-1	P-1	P-1	EXP/P-4						108
109	FLEX	LVT-1/LVT-2/ CPT-3	RB-1	P-1	P-1/P-9	P-1	P-1/P-8	ACT-1	PL-1	SSM-1	CG-1/CG-3/ WP-1	WT-1	CUBBIES: PL-1 - SSM-1 CAP ON PARTIAL HEIGHT WALL	109
109A	TOILET	SVF-1	SVF-1	P-1/PTW-2	P-1/PTW-1	P-1/PTW-2	P-1	ACT-1					SEE ELEVATIONS FOR HEIGHT OF WALL TILE - USE MT-1 ON EXPOSED EDGE OF TILE	109A
109B	TOILET	SVF-1	SVF-1	P-1/PTW-2	P-1/PTW-1	P-1/PTW-2	P-1	ACT-1					SEE ELEVATIONS FOR HEIGHT OF WALL TILE - USE MT-1 ON EXPOSED EDGE OF TILE	109B
109C	STORAGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1						109C
110	ACTIVITY CENTER	CPT-3/CPT-4	RB-1	P-1	P-1	P-6/P-7/P-8/P-9	P-6/P-7/P-8/P-9	ACT-1/ACP-1/ ACP-2/ACP-3			CG-1		SEE A1100 FOR FLOOR PATTERN - SEE A900 FOR WALL MURAL DESIGN - PAINT COLUMN P-5	110
110A	STORAGE	CPT-3	RB-1	P-1	P-1	P-1	P-1	ACT-1						110A
111	KITCHEN	EPF-1	EPF-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2					FRP-1 FULL HEIGHT ON ALL WALLS	111
111A	DRY STOR.	EPF-1	EPF-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2					FRP-1 FULL HEIGHT ON ALL WALLS	111A
112	STROLLERS	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			WP-1		WP-1 ON ALL WALLS TO 4'H ABOVE BASE, PAINT ABOVE	112
113	PASSAGE	CPT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1						113
113A	DIRECTOR OFFICE	CPT-2	RB-1	P-1	P-5	P-1	P-1	ACT-1						113A
113B	OFFICE	CPT-2	RB-1	P-5	P-1	P-1	P-1	ACT-1						113B
113C	OFFICE	CPT-2	RB-1	P-5	P-1	P-1	P-1	ACT-1						113C
113D	TOILET	PTF-1	PTB-1	P-1	P-1	P-1/PTW-3	P-1	ACT-1					SEE ELEVATIONS FOR HEIGHT OF WALL TILE - USE MT-1 ON EXPOSED EDGE OF TILE	113D
114	STAFF LOUNGE	LVT-1	RB-1	P-1	P-1	P-8	P-1	ACT-1	PL-1	SSM-1				114
114A	MOTHER'S ROOM	LVT-1	RB-1	P-1/P-5	P-1	P-1	P-1	ACT-1	PL-1	SSM-1				114A
115	STOR.	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	PL-1		WP-1		CUBBIES: PL-1 - WP-1 ON ALL WALLS TO 4'H ABOVE BASE, PAINT ABOVE	115
116	LAUNDRY	SVF-1	RB-1	P-5	P-1	P-1	P-1	ACT-1		SSM-1				116
117	UTILITY	SCONC	RB-1	P-1	P-1	P-1	P-1	EXP/P-4			WP-1		WP-1 ON ALL WALLS TO 4'H ABOVE BASE, PAINT ABOVE	117

MATERIAL & FINISH GENERAL NOTES

1. SUBMIT 8"X10" COLOR FINISH SAMPLES OF ALL ITEMS FOR ARCHITECT'S APPROVAL BEFORE WORK PROCEEDS.
2. VERIFY ALL STOPPING & STARTING POINTS FOR COLORS & FINISHES WITH ARCHITECT BEFORE WORK PROCEEDS.
3. ALL GRILLES, FIRE EXTINGUISHER CABINETS, LOUVERS, VENTS, FIRE SPRINKLER COVERS, ETC. SHALL BE PAINTED TO MATCH WALL OR CEILING COLOR ON WHICH THEY OCCUR.
4. ROOM FINISH SCHEDULE NOTES FINISHES PER PLAN NORTH.
5. USE P-3 AT ALL GYP SOFFITS & HEADERS UNLESS NOTED OTHERWISE. SEE RCP FOR DETAILS.
6. USE P-4 AT ALL EXPOSED CEILINGS.
7. ALL HM DOORS & FRAMES TO MATCH P-2.
8. VERIFY ALL PTM MATERIALS PRIOR TO PROCUREMENT.
9. SOLID SURFACE WINDOW SILLS TO BE SSM-1.
10. USE TP-1 AT ALL TOILET STALLS.
11. USE MT-1 AT ALL EXPOSED TILE EDGES & AS CAP ON EXPOSED TILE BASE.
12. ALL CORNER GUARDS NOTED ON PLANS TO BE CG-1 UNLESS NOTED OTHERWISE.
13. SEE ELEVATIONS FOR TILE INSTALLATION.
14. MOISTURE MITIGATION SYSTEM REQUIRED FOR ALL APPLICABLE FLOORING PRODUCTS DUE TO REPORTED MOISTURE ISSUES WITH EXISTING CONCRETE SLAB. REFER TO FLOORING SPECIFICATIONS.

ACTIVITY CENTER 110 CARPET PATTERN PLAN (NOT TO SCALE):

IDS | INTERFACE DESIGN STUDIO — Interface®

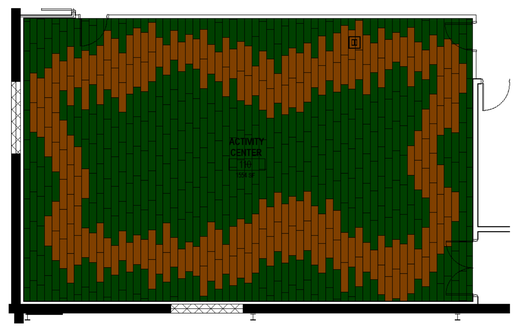
OUTAGAMIE YMCA CHILDCARE - APPLETON, WI

Activity Center - Option 2

04/02/2026

Eben
107538 Walnut
25 x 100 cm | 63.39 yd² | 212 tiles

Free Reign
108402 Spruce
25 x 100 cm | 113.92 yd² | 381 tiles



PROJECTED GROSS EMBODIED CARBON (cradle-to-gate):
Interface 701 kg. CO_2e
Industry Average 1137 kg. CO_2e
Learn more about these values at www.interface.com/carbonmetrics

Low Carbon Footprint!

Case Number: 02194060
Estimate Floorplan Scale: 1/4" = 1'0" at ARCH C

IDS | INTERFACE DESIGN STUDIO — Interface®

OUTAGAMIE YMCA CHILDCARE - APPLETON, WI

Activity Center - Option 2

04/02/2026

Beaumont Range Collection - Eben
107538 Walnut
25 x 100 cm
Installed Ashlar

Open Road Collection - Free Reign
108402 Spruce
25 x 100 cm
Installed Ashlar

PROJECTED GROSS EMBODIED CARBON (cradle-to-gate):
Interface 701 kg. CO_2e
Industry Average 1137 kg. CO_2e
Learn more about these values at www.interface.com/carbonmetrics

Low Carbon Footprint!

Case Number: 02194060
Rendered Floorplan Scale: 1/4" = 1'0" at ARCH C

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Outagamie County Est. 1851

Project:

Outagamie YMCA Childcare

Location:
3369 W Brewster St,
Appleton, WI 54914

Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:

INTERIOR FINISH SCHEDULES

Scale:
1" = 1'-0"

Revisions:

No:	Date:	Description:
1	6/12/26	ADDENDUM #01

Date:
6/02/2026

Project No.:
250081.00

Sheet No.:

A1100

PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	FIXTURE TYPE	MOUNT	MANUFACTURER	MODEL NUMBER	SIZE	FAUCET & VALVE	ACCESSORY 1	ACCESSORY 2	ACCESSORY 3	ACCESSORY 4	ACCESSORY 5	NOTES	FIXTURE TAG
WC-1	WATER CLOSET	FLOOR SET	AMERICAN STANDARD	2467.016 "CADET"	N/A	PRESSURE ASSISTED SIPHON JET FLUSH	BEMIS 1655-SS/C WHITE SOLID PLASTIC OPEN FRONT SEAT	MCGUIRE H2166LK SUPPLY & STOP	N/A	N/A	N/A	FLOOR MOUNT WITH 16.5" RIM HEIGHT. TRIP LEVER SHALL BE ADA COMPLIANT AND LOCATED TO THE WIDE SIDE OF THE STALL AND 1.6 GPF	WC-1
WC-2	WATER CLOSET	FLOOR SET	AMERICAN STANDARD	2315.228 "BABY DEVORO"	N/A	N/A	5001G.055 BABY DEVORO OPEN FRONT SEAT LESS COVER	MCGUIRE H2166LK SUPPLY & STOP	N/A	N/A	N/A	FLOOR MOUNT WITH 10.5" RIM HEIGHT. FLUSH VALVE HANDLE SHALL BE ADA COMPLIANT AND LOCATED TO THE WIDE SIDE OF THE STALL	WC-2
WC-3	WATER CLOSET	FLOOR SET	AMERICAN STANDARD	2462.016 "CADET"	N/A	PRESSURE ASSISTED SIPHON JET FLUSH	BEMIS 1655-SS/C WHITE SOLID PLASTIC OPEN FRONT SEAT	MCGUIRE H2166LK SUPPLY & STOP	N/A	N/A	N/A	FLOOR MOUNT WITH 15.0" RIM HEIGHT, 1.6 GPF	WC-3 1
L-1	LAVATORY	WALL HUNG	AMERICAN STANDARD	0355.012 "LUCERNE"	21.25" x 18.25"	CHICAGO 420-ABCP SINGLE LEVER FAUCET	JAY R SMITH FLOOR MOUNTED CONCEALED CARRIER ADJUSTED FOR 34" RIM HEIGHT	MCGUIRE 155WC PERFORATED STRAINER AND 1-1/4" OFFSET TAILPIECE	MCGUIRE 8902C 1-1/4" x 1-1/2" 17 GA. CAST BRASS TRAP AND TUBULAR WALL BEND WITH CO PLUG	MCGUIRE LFH2165LK OR LFCK2165CC(LK) SUPPLIES & STOPS	TRUEBRO LAV GAURD2 #103 E-Z WASTE AND SUPPLY PIPING COVERS	ADA COMPLIANT	L-1
L-2	LAVATORY	WALL HUNG	AMERICAN STANDARD	0355.012 "LUCERNE"	21.25" x 18.25"	CHICAGO 420-ABCP SINGLE LEVER FAUCET	JAY R SMITH FLOOR MOUNTED CONCEALED CARRIER ADJUSTED FOR CHILD HEIGHT - REFER TO ARCHITECTURAL ELEVATIONS	MCGUIRE 155WC PERFORATED STRAINER AND 1-1/4" OFFSET TAILPIECE	MCGUIRE 8902C 1-1/4" x 1-1/2" 17 GA. CAST BRASS TRAP AND TUBULAR WALL BEND WITH CO PLUG	MCGUIRE LFH2165LK OR LFCK2165CC(LK) SUPPLIES & STOPS	N/A	JUVENILE HEIGHT - REFER TO ARCHITECTURAL ELEVATIONS	L-2 1
S-1	SINK	UNDERMOUNT	ELKAY	ELUHAD-211555 "LUSTERTONE"	23.5" x 18.25" x 5.375"	CHICAGO 201-AGNBAE35XKABCP GOOSENECK FAUCET	ELKAY LKAD-35 DRAIN, BASKET STRAINER AND OFFSET TAILPIECE	MCGUIRE 8912C 1-1/2" x 1-1/2" 17 GA. CAST BRASS TRAP AND TUBULAR WALL BEND WITH CO PLUG	MCGUIRE LFH2165LK OR LFCK2165CC(LK) SUPPLIES & STOPS	N/A	N/A	ADA COMPLIANT. 18 GA, TYPE 304 SS SINGLE COMPARTMENT UNDERMOUNT SINK AND GOOSENECK FAUCET WITH LEVER HANDLES. FAUCET HOLES IN COUNTERTOP DRILLED BY PLBG. CONTR.	S-1
S-2	SINK	UNDERMOUNT	ELKAY	ELUHAD-311855 "LUSTERTONE"	30.75" x 18.5" x 5.375"	CHICAGO 201-AGNBAE35XKABCP GOOSENECK FAUCET	ELKAY LKAD-35 DRAIN, BASKET STRAINER AND OFFSET TAILPIECE - (2) REQUIRED	MCGUIRE 113C16G17, CENTER OUTLET; 17 GA. CAST BRASS WASTE	MCGUIRE 8912C 1-1/2" x 1-1/2" 17 GA. CAST BRASS TRAP AND TUBULAR WALL BEND WITH CO PLUG	MCGUIRE LFH2165LK OR LFCK2165CC(LK) SUPPLIES & STOPS	N/A	ADA COMPLIANT. 18 GA, TYPE 304 SS DOUBLE COMPARTMENT UNDERMOUNT SINK AND GOOSENECK FAUCET WITH LEVER HANDLES. FAUCET HOLES IN COUNTERTOP DRILLED BY PLBG. CONTR.	S-2
S-3	SINK	UNDERMOUNT	ELKAY	ELUHAD-191655 "LUSTERTONE"	21.5" x 18.5" x 5.375"	CHICAGO 431-ABCP SINGLE LEVER FAUCET	ELKAY LK-35 DRAIN, BASKET STRAINER AND TAILPIECE	MCGUIRE 8912C 1-1/2" x 1-1/2" 17 GA. CAST BRASS TRAP AND TUBULAR WALL BEND WITH CO PLUG	MCGUIRE LFH2165LK OR LFCK2165CC(LK) SUPPLIES & STOPS	N/A	N/A	ADA COMPLIANT. 18 GA, TYPE 304 SS SINGLE COMPARTMENT UNDERMOUNT SINK AND SINGLE LEVER FAUCET. FAUCET HOLES IN COUNTERTOP DRILLED BY PLBG. CONTR.	S-3

FLOOR DRAIN SCHEDULE

TYPE	SIZE	MATERIAL		STRAINER DIAMETER	FLASHING CLAMP	MFG.	MODEL NO.	NOTES
		BODY	TOP					
FD-1	SEE PLANS	C.I.	N.B.	6" x 6" MIN.	YES	ZURN	ZN-415-S-(-B)	USE SQUARE STRAINER IN TILE AREAS. RECTORSEAL SURSEAL DRAIN TRAP SEAL SIZED TO FLOOR DRAIN
FD-2	SEE PLANS	C.I.	C.I.	8" DIA.	YES	ZURN	Z-556-Y	SEDIMENT BUCKET. RECTORSEAL SURESEAL DRAIN TRAP SEAL SIZED TO FLOOR DRAIN
FS-1	SEE PLANS	ENAMELED C.I.	ENAMELED C.I.	8" x 8"	YES	ZURN	Z-1910-XC-2	ACID RESITANT ENAMEL COATED WITH 1/2 GRATE AND BOTTOM DOME STRAINER
SD-1	SEE PLANS	P.V.C. OR C.I.	P.V.C. OR C.I.	ONE PIPE SIZE LARGER THAN PIPE DIAMETER	NO	- -	- -	P.V.C. OR C.I. INCREASER. RIM TO BE 2" ABOVE FLOOR SLAB

CLEANOUT SCHEDULE

TYPE	MATERIAL			FLOOR MATERIAL	MFG.	MODEL NO.	NOTES
	BODY	PLUG	TOP				
FCO	C.I.	BRONZE	N.B.	CONCRETE	ZURN	ZN-1400-BP	ADJUSTABLE FLOOR CLEANOUT
FCO	C.I.	BRONZE	N.B.	CERAMIC TILE AND VINYL TILE	ZURN	ZN-1400-BP-T	SQUARE TOP ADJUSTABLE FLOOR CLEANOUT
FCO	C.I.	BRONZE	N.B.	CARPET	ZURN	ZN-1400-BP-CM	ADJUSTABLE FLOOR CLEANOUT WITH CARPET MARKER
WCO	C.I.	BRONZE	S.S.	- -	ZURN	Z-1446-BP-VP	ROUND WALL ACCESS COVER WITH VANDAL-PROOF SCREW
CO	C.I. / PVC	BRONZE	- -	- -	- -	- -	C.I. / PVC NO-HUB COUPLING AND PLUG

Information Required to Calculate Water Service Size

1. Demand of building in GPM — WSFU = 87 — GPM = 40
2. Difference in elevation from main to building control valve in feet — N/A
3. Size of water meter — N/A
4. Developed length from main to building control valve in feet — N/A
5. Low pressure at existing mop basin — 78

Calculate Water Service Pressure Loss

6. Low pressure at existing mop basin — 78
7. Pressure loss per 100 ft. in = — 0 x N/A — N/A
8. Pressure gain or (loss) due to elevation — N/A
9. Available pressure at existing mop basin — 78

Calculate Pressure Available for Uniform Loss

B. Available pressure at existing mop basin — 78
C. Pressure loss in 3" meter — N/A
D. Pressure required at controlling fixture (furthermost FV Water Closet) — 20
E. Pressure loss due to elevation between building control valve and controlling fixture — 11 x 0.434 — 4.77
F. Pressure loss due to water treatment devices, instantaneous water heaters, and backflow preventers serving controlling fixture — 0
G. Developed length from building control valve to controlling fixture in feet — 250 x 1.5 — 375
Type L Copper
A. Pressure available for uniform loss = $\frac{B - (C + D + E + F)}{G}$ X 100 = 14.19 **or 14 psi**

Grease Interceptor Sizing Chart

Dishwasher
Commercial type
.76 gallons per rack @ 24 racks per hour = 18.24
1/2 hr. holding capacity = **9.12 gallons**
Three Compartment Sink (one compartment to GI)
Each compartment is 30" x 20" x 14" deep
30 x 20 x 14 = 8400 cubic inches
8400 / 231 x .75 = **27.27 gallons**

Prep Sink
Compartment is 16" x 20" x 12" deep
16 x 20 x 12 = 3840 cubic inches
3840 / 231 x .75 = **12.47 gallons**

Total liquid holding capacity required = **48.86 gallons**

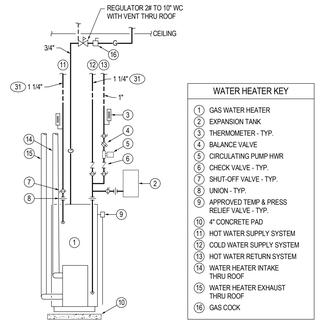
Grease Interceptor selected is a **Schier Great Basin model GB-50** with 65 gal. liquid capacity and 439 lbs. grease capacity

GENERAL PLUMBING NOTES:

1. DRAWINGS OF ALL OTHER TRADES SHALL BE REVIEWED. THIS CONTRACTOR SHALL COORDINATE THE INSTALLATION AND SCHEDULING OF HIS WORK WITH OTHER TRADES TO PREVENT INTERFERENCE WITH THEIR RESPECTIVE INSTALLATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, STRUCTURAL DIMENSIONS, AND LAYOUT.
3. DEVIATIONS FROM THE ROUTING OF NEW PIPING SHOWN MAY BE NECESSARY IN ORDER TO CLEAR WORK OF OTHER TRADES. HOWEVER, ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE ARCHITECT/ENGINEER.
4. ALL SANITARY, STORM, AND CLEAR WATER WASTE PIPING SHALL BE PITCHED AS FOLLOWS: PIPING 2" AND SMALLER AT 1/4"/FT, PIPING 3" AND LARGER AT 1/8"/FT UNLESS OTHERWISE NOTED.
5. PENETRATIONS THROUGH FLOORS AND WALLS SHALL BE SEALED WITH A U.L. LISTED SYSTEM OF MATERIAL THAT MEETS OR EXCEEDS THE FIRE RATING OF THE WALL OR FLOOR PENETRATED. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, NEW OPENINGS OR EXISTING OPENINGS MADE OBSOLETE BY THE REMOVAL OF EXISTING PLUMBING PIPING.
6. INSTALL ALL INTERIOR HORIZONTAL STORM, WATER, WASTE, AND VENT PIPING AS HIGH AS POSSIBLE. ALL HORIZONTAL PIPING LOCATED ABOVE CEILINGS SHALL BE INSTALLED WITHIN THE JOIST SPACE UNLESS OTHERWISE INDICATED.
7. INSTALL CLEANOUT AT THE BASE OF ALL ROOF CONDUCTORS AND WASTE STACKS. ALL CLEANOUTS SHALL BE INSTALLED WHERE EASILY ACCESSIBLE. COORDINATE ALL CLEANOUT LOCATIONS WITH ALL EQUIPMENT, CABINETS, ETC. PRIOR TO INSTALLATION.
8. ALL WORK SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE WISCONSIN PLUMBING CODE AND ALL OTHER APPLICABLE CODES AS ADOPTED BY THE LOCAL INSPECTING AUTHORITIES.
9. SAW CUTTING, REMOVAL, AND REPLACEMENT OF EXISTING FLOOR SLAB FOR THE INSTALLATION OF NEW PLUMBING WORK IS THE RESPONSIBILITY OF THIS CONTRACTOR. NEW FLOOR CONSTRUCTION SHALL MATCH EXISTING.
10. ALL SLEEVES THROUGH CONCRETE FRAMING REQUIRED FOR THE INSTALLATION OF PLUMBING WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
11. CORE-DRILLING OR SLEEVING THROUGH BEAMS, JOISTS, OR BRIDGING SHALL NOT BE PERMITTED UNLESS SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS. INCLUDE SUFFICIENT ALLOWANCES FOR OFFSETS OF PIPING TO CLEAR STRUCTURAL MEMBERS.
12. TRAPS AT ALL SINKS AND LAVATORIES SHALL BE INSTALLED STRAIGHT BACK TO THE WALL WITH ALL PIPING OFFSETS LOCATED WITHIN THE WALL.
13. LOCATE ALL VENT TERMINALS A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKES.
14. ALL VALVES, SHOCK ARRESTORS, ETC. SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE CENTRALLY LOCATED BEHIND ACCESS PANELS.
15. REFER TO PIPING ISOMETRICS FOR SIZES NOT SHOWN ON PLANS.
16. REMOVAL AND REPLACEMENT OF EXISTING CEILINGS REQUIRED FOR THE INSTALLATION OF PLUMBING SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR. CEILING CONSTRUCTION AND FINISH SHALL MATCH EXISTING.

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
	W	SANITARY PIPING ABOVE GROUND
	W	SANITARY PIPING BELOW GROUND
	V	SANITARY VENT PIPING ABOVE GROUND
	V	SANITARY VENT PIPING BELOW GROUND
	ST	STORM PIPING ABOVE GROUND
	ST	STORM PIPING BELOW GROUND
	UP	PIPING UP
	DN	PIPING DOWN
	C.O.	CLEANOUT
	FCO	FLOOR CLEANOUT
		BALL VALVE
FLOW		CHECK VALVE
	FD	FLOOR DRAIN
	HD	HUB DRAIN OR SITE DRAIN
		POINT OF CONNECTION OF NEW PIPING TO EXISTING
		SHOCK ARRESTOR
		FIXTURE UNIT TAGS
	EWH	ELECTRIC WATER HEATER
	WC	WATER CLOSET
	LAV / L-	LAVATORY
	MB	MOP BASIN
	SINK / S-	SINK



WATER HEATER KEY

1. GAS WATER HEATER
2. EXPANSION TANK
3. THERMOMETER - TYP.
4. BALANCE VALVE
5. CIRCULATING PUMP HWR
6. CHECK VALVE - TYP.
7. SHUT-OFF VALVE - TYP.
8. UNION - TYP.
9. APPROVED TEMP & PRESS RELIEF VALVE - TYP.
10. 4" CONCRETE PAD
11. HOT WATER SUPPLY SYSTEM
12. COLD WATER SUPPLY SYSTEM
13. HOT WATER RETURN SYSTEM
14. WATER HEATER INTAKE THRU ROOF
15. WATER HEATER EXHAUST THRU ROOF
16. GAS COCK

1 WATER HEATER PIPING SCHEMATIC
NTS

PLUMBING SHEET INDEX

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Project:
Outagamie YMCA Childcare

Location:
3369 W Brewster St,
Appleton, WI 54914

Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:
PLUMBING SCHEDULES AND NOTES

Scale:
NTS

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No:	Date:	Description:
1	06/12/2026	ADDENDUM #01

Date:
06/02/2026

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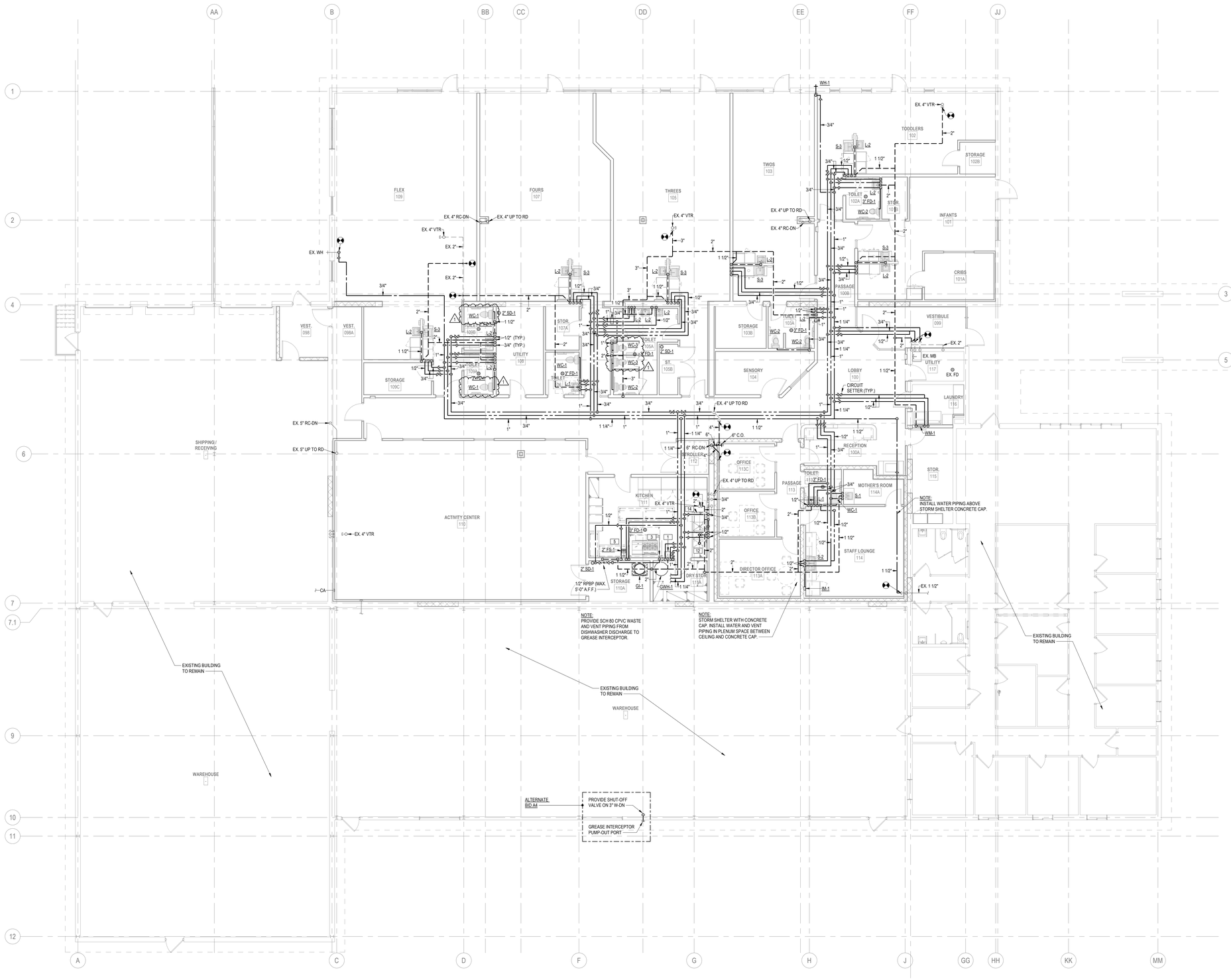

KITCHEN EQUIPMENT SCHEDULE	
#	DESCRIPTION
1	HAND SINK
3	FAUCET, KETTLE / POT FILLER
5	WORK TABLE W/ PREP SINK
12	3-COMPARTMENT SINK
14	DISHWASHER, UNDER COUNTER

1 FIRST FLOOR PLUMBING NEW WORK PLAN
1/8" = 1'-0"

NORTH

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FIRST FLOOR PLUMBING NEW WORK PLAN

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

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1	06/12/2026	ADDENDUM #01

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P101

SYMBOLS LIST NOTE:

ANY SYMBOLS UTILIZED ON THE FLOOR PLANS NOT OTHERWISE ON THE SYMBOLS LIST SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEERS PRIOR TO BIDDING FOR CLARIFICATION.

LIGHTING

- LED TROFFER
- REC./SURF./SUSP. LINEAR LED FIXTURE
- WALL MOUNTED LED FIXTURE
- LED RECESSED DOWNLIGHT
- EXIT SIGN
- NL 24HR. NIGHTLIGHT
- EMERGENCY LIGHT - SEE UL924 TRANSFER RELAY DETAILS
- LOCAL SWITCH, SINGLE POLE - MOUNTED 48" AFF
- 3 LOCAL SWITCH, 3-WAY
- 4 LOCAL SWITCH, 4-WAY
- DIMMER SWITCH
- OCCUPANCY SENSOR / DIMMER SWITCH
- CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGY
- D DAYLIGHT SENSOR
- BATTERY OPERATED EMERGENCY LIGHT - DUAL HEADS

MISCELLANEOUS SYMBOLS

- INDICATES DETAIL NUMBER
- SEE DETAIL
- INDICATES SHEET NUMBER
- INDICATES NOTE NUMBER
- SEE NOTE

CIRCUIT DESIGNATIONS

- BRANCH CIRCUIT - COMMON CONTROL, INCLUDES GREEN GROUND WIRE, NEUTRAL AND PHASE WIRES.
- BRANCH CIRCUIT - SEPARATE CONTROL, INCLUDES GREEN GROUND WIRE, NEUTRAL AND PHASE WIRES.

INTERCOM SYSTEM

- IS INTERCOM STATION - OUTLET - MOUNTED AT 15" AFF. ONE NETWORK CABLE.
- MS INTERCOM - DESK MASTER STATION - ONE NETWORK CABLE.

SECURITY SYSTEMS

- SS PS SECURITY SYSTEM PANEL
- KL SECURITY SYSTEM - KEY LOCK
- MS SECURITY SYSTEM - MOTION SENSOR
- DB SECURITY SYSTEM - DURESS BUTTON
- GB SECURITY SYSTEM - GLASS BREAK
- DS SECURITY SYSTEM - DOOR STRIKE/ELECTRIC LOCK
- DC SECURITY SYSTEM - DOOR CONTACT
- KP SECURITY SYSTEM - READER WITH KEYPAD
- CR SECURITY SYSTEM - CARD READER
- ML SECURITY SYSTEM - MAGNETIC LOCK
- BR SECURITY SYSTEM - BIOMETRIC READER
- RE SECURITY SYSTEM - REQUEST TO EXIT
- MNS SECURITY SYSTEM - MASS NOTIFICATION SYSTEM
- CCTV SECURITY CCTV CAMERA. ONE NETWORK CABLE.
- AR CS AREA OF RESCUE ASSISTANCE - CALL STATION MOUNTED AT 48" AFF.
- AR AN AREA OF RESCUE - ANNUNCIATOR MOUNTED AT 48" AFF.
- CDA EXISTING CELLULAR DAS ANTENNA - ETR
- MNS MASS NOTIFICATION STATION - TWO NETWORK CABLES

POWER & DIAGRAMS

- DUPLEX RECEPTACLE - MOUNTED 18" AFF.
- I DUPLEX RECEPTACLE - ISOLATED GROUNDING TYPE - MOUNTED 18" AFF.
- C DUPLEX RECEPTACLE - MOUNTED VERTICALLY 6" ABOVE COUNTER OR HORIZONTALLY 4" ABOVE BACKSPLASH.
- GFI DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER TYPE.
- WP DUPLEX RECEPTACLE - WEATHER PROOF. GFI WEATHER RESISTANT WITH METAL WHILE-IN-USE. COVER AS SPECIFIED
- TP DUPLEX RECEPTACLE - TAMPER PROOF "CHILDSAFE" TYPE.
- EQ DUPLEX RECEPTACLE - MOUNTED ON EQUIPMENT FURNISHED BY OTHERS
- H DUPLEX RECEPTACLE - MOUNTED HORIZONTALLY
- DUPLEX RECEPTACLE - UPPER HALF SWITCHED
- TS DUPLEX RECEPTACLE - MOUNTED HORIZONTALLY IN TOE SPACE
- EP DUPLEX RECEPTACLE - EXPLOSION PROOF
- S DUPLEX TVSS RECEPTACLE.
- U DUPLEX RECEPTACLE WITH USB OUTLET MOUNTED 18" AFF.
- QUADRUPLEX RECEPTACLE - TWO DUPLEX RECEPTACLES UNDER A COMMON COVERPLATE.
- M DUPLEX RECEPTACLE - MONITOR
- DUPLEX RECEPTACLE - MOUNTED IN FLOOR. (FLUSH UNLESS OTHERWISE INDICATED)
- SPECIAL PURPOSE OUTLET - SEE SCHEDULE.
- MULTI-RECEPTACLE ASSEMBLY - SEE SCHEDULE.
- MOTOR - SEE SCHEDULE. SEE MECHANICAL/ELECTRICAL SHEETS FOR ELECTRICAL INFORMATION OF HVAC EQUIPMENT INDICATED ON DRAWINGS.
- DISCONNECT SWITCH.
- DISCONNECT SWITCH - FUSIBLE.
- PG POWER/GROUND MODULE.
- PC PHOTOCELL.
- TC TIME CLOCK.
- C CONTACTOR.
- M METER.
- D DEMAND METER.
- GEN GENERATOR.
- EX ELECTRICAL DISTRIBUTION PANEL - EXISTING
- LA ELECTRICAL DISTRIBUTION PANEL - NEW 120/208V
- HA ELECTRICAL DISTRIBUTION PANEL - NEW 277/480V
- SPD SURGE PROTECTION DEVICE
- GROUND
- COMBINATION MOTOR STARTER (MCC BUCKET)
- ENCLOSED CIRCUIT BREAKER
- OR T TRANSFORMER

COMMUNICATIONS

- (F) DATA OUTLET -MOUNTED AT 18" AFF # INDICATES QUANTITIES OF CABLES. ONE CABLE IF NO SYMBOL.
- (C) DATA OUTLET - MOUNTED VERTICALLY 6" ABOVE COUNTER OR HORIZONTALLY 4" ABOVE BACKSPLASH.
- (W) DATA OUTLET - MOUNTED AT 54" AFF.
- DATA OUTLET MOUNTED IN FINISHED CEILING FOR USE WITH ACCESS POINT. TWO CABLES FOR EACH WAP.
- COMBINATION WALL MOUNT CLOCK/SPEAKER
- CLOCK OUTLET - MOUNTED AT 7'-0" AFF MINIMUM
- TV COMBINATION POWER/TELEVISION OUTLET - SEE DETAIL
- JUNCTION BOX
- A EG EMERGENCY GENERATOR REMOTE ANNUNCIATOR.
- TELEMETRY - EXISTING TO REMAIN. REMOVE AND REINSTALL AS NECESSARY DUE TO CONSTRUCTION.
- PUSH BUTTON
- LOUDSPEAKER - FLUSH MOUNTED IN CEILING
- (M) DATA OUTLET - MONITOR

FIRE ALARM SYSTEM

- MANUAL PULL STATION - MOUNTED AT 48" AFF.
- VISUAL SIGNAL DEVICE (STROBE) - MOUNTED AT 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER 75 CANDELA UNLESS NOTED OTHERWISE
- AUDIO/VISUAL SIGNAL DEVICE (HORN/STROBE) - MOUNTED AT 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER 75 CANDELA UNLESS NOTED OTHERWISE
- H AUDIO SIGNAL DEVICE (HORN) CEILING MOUNTED.
- H AUDIO/VISUAL SIGNAL DEVICE (HORN/STROBE) CEILING MOUNTED. 75 CANDELA UNLESS NOTED OTHERWISE
- SIGNAL BELL
- S SMOKE DETECTOR.
- D OR S DUCT SMOKE DETECTOR.
- H HEAT DETECTOR.
- DH DOOR HOLD OPEN DEVICE.
- SD SMOKE DAMPER.
- F/SD COMBINATION FIRE/SMOKE DAMPER
- F/SD COMBINATION FIRE/SMOKE DAMPER
- TS TAMPER SWITCH.
- FS FLOW SWITCH.
- MM MONITOR MODULE
- CM CONTROL MODULE
- S SINGLE STATION SMOKE DETECTOR
- Z ZONE ADDRESSABLE MODULE (ZAM).
- FA CP FIRE ALARM CONTROL PANEL (FACP).
- FA ANN FIRE ALARM REMOTE ANNUNCIATOR.

GENERAL RENOVATION/DEMOLITION NOTES:

1. ELECTRICAL DRAWINGS ARE BASED ON THE BEST INFORMATION AVAILABLE. FOR AREAS BEING REMODELED, WORK SHOWN REFLECTS INFORMATION SHOWN ON AS-BUILT PLANS AND FIELD OBSERVATION; IT IS NOT GUARANTEED 100% ACCURATE. THIS CONTRACTOR MUST FIELD VERIFY CONDITIONS AND MAKE NECESSARY ADJUSTMENTS WITHOUT EXTRA COSTS TO THE PROJECT TO SUIT ACTUAL NEEDS.
2. THE CONTRACTOR SHALL REWIRE/REROUTE/RELOCATE, AS REQUIRED DUE TO CONSTRUCTION, ALL EXISTING CIRCUITS AND EQUIPMENT WHICH ARE TO CONTINUE IN OPERATION.
3. MAINTAIN THE INTEGRITY OF ALL SYSTEMS AFFECTED BY THE REMOVAL OR ADDITION OF ELECTRICAL DEVICES AND CONTROLS IN REMODELED AREAS.
4. ALL ELECTRICAL PANELS SHALL REMAIN IN PLACE AS IS, UNLESS INDICATED OTHERWISE. PANELS EXPOSED TO PUBLIC SHALL BE PROVIDED WITH A LOCKABLE COVER. TURN KEY(S) OVER TO OWNER. PROVIDE GROUND TERMINATE BUS IN A FLUSH JUNCTION BOX ABOVE PANEL BOARD TO ACCOMMODATE ISOLATED GROUNDING TYPE RECEPTACLES.
5. OCCUPANCY SENSOR LOCATIONS SHOWN ON DRAWINGS ARE DIAGRAMMATIC ONLY. ACTUAL LOCATION SHALL BE DETERMINED AT SITE PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE MINIMUM 4'-0" OF FLEX CONDUIT/WIRES SO THAT THE SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. THE TRAINED FACTORY PERSONNEL SHALL PERFORM THE FINAL TIME SETTINGS AND TESTING.
6. ALL EXISTING DEVICES WHICH ARE TO REMAIN AND ARE LOCATED ON NEW FURRED OUT WALLS SHALL BE PROVIDED WITH APPROPRIATE EXTENSION RINGS. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC WALLS.
7. ALL EXISTING DEVICES WHICH ARE NOT SHOWN ON THESE DRAWINGS OR DIRECTED BY A/E SHALL REMAIN IN PLACE AS IS.
8. EXISTING RECEPTACLES WHICH WOULD BE RENDERED INACCESSIBLE, DUE TO THE PLACEMENT OF NEW CASEWORK, SHALL BE RELOCATED TO THE KICK PLATE OF THE CASEWORK, OR OTHERWISE RELOCATED SUCH THAT RECEPTACLES ARE ACCESSIBLE.
9. ALL NEW DEVICES AND COVER PLATES SHALL MATCH EXISTING UNLESS OTHERWISE DIRECTED BY A/E.
10. ALL REMOVED DEVICES AND NOT REPLACED IN ANY WAY EXPOSING AN EMPTY BACK BOX, THE CONTRACTOR SHALL PROVIDE A STAINLESS STEEL COVER PLATE.
11. IN ROOMS WHICH HAVE BEEN SUBDIVIDED, UNUSED EXISTING LIGHTING SWITCHES SHALL BE REMOVED AND BLANK COVER PLATES SHALL BE PROVIDED. PROPERLY TERMINATE ALL UNUSED CONDUCTOR(S) WITH WIRE NUT(S).
12. EXISTING CEILING SPEAKERS SHALL BE REMOVED PRIOR TO DEMOLITION OF EXISTING CEILINGS. SPEAKERS SHALL BE REINSTALLED IN COMPARABLE LOCATION IN NEW CEILING.
13. WALL MOUNTED SPEAKERS, FIRE ALARM DEVICES, ETC. SHALL BE RELOCATED AS NECESSARY TO ACCOMMODATE NEW CEILING HEIGHTS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY DISCONNECTING POWER AND REMOVING THE EXISTING FIXTURES FOR REUSE. ANY FIXTURE(S), ELECTRICAL DEVICES, NOT INDICATED TO BE REUSED SHALL BE PROPERLY DISPOSED OF AND/OR IN ACCORDANCE WITH THE SPECIFICATIONS.
15. IN ALL LOCATIONS WHERE RE-USE OR EXTENDING OF AN EXISTING CIRCUIT IS INDICATED ON THE PLANS, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CIRCUIT HAS ENOUGH CAPACITY TO HANDLE THE ADDITIONAL LOAD. IF REQUIRED CAPACITY DOES NOT EXIST, THE CONTRACTOR SHALL EXTEND A NEW CIRCUIT TO FEED THE NEW EQUIPMENT. NO MORE THAN 6 DUPLEX RECEPTACLES SHALL BE ON ONE CIRCUIT.
16. REMOVE AND REPLACE EXISTING CEILING TILE REQUIRED FOR INSTALLATION OF CONDUITS AND CABLES. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR.
17. THE CONTRACTOR SHALL NOTE THAT THE EXISTING BUILDING WILL REMAIN IN SERVICE DURING CONSTRUCTION. AREAS OF THE BUILDING WILL BE VACATED AS REQUIRED TO FACILITATE CONSTRUCTION. PROCEED WITH THE COMPLETION OF THE WORK IN SUCH A MANNER AS TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH OWNER'S OPERATION. ALL WORK SHALL BE DONE IN A MANNER AND TIME ACCEPTABLE TO OWNER. OUTAGES AND OTHER WORK RENDERING EXISTING EQUIPMENT INOPERATIVE SUCH AS BUT NOT LIMITED TO THE FIRE ALARM SYSTEM SHALL BE HELD TO A MINIMUM. PRIOR ARRANGEMENTS FOR EACH SHALL BE MADE WITH OWNER AND SHALL BE ACCEPTABLE AS TO TIME AND DURATION. ALL SHUTDOWNS SHALL BE COORDINATED WITH OWNER 2 WEEKS IN ADVANCE. ALL EXISTING SYSTEMS BEING MODIFIED SHALL BE OPERABLE WHEN CONTRACTOR MODIFYING THE SYSTEM IS NOT ON-SITE.
18. ALL SHUTDOWNS SHALL BE COORDINATED WITH OWNER 2 WEEKS IN ADVANCE. ALL EXISTING SYSTEMS BEING MODIFIED SHALL BE OPERABLE WHEN CONTRACTOR MODIFYING THE SYSTEM IS NOT ON-SITE.
19. THE CONTRACTOR SHALL DO THE NECESSARY DEMOLITION WORK IN THE AFFECTED AREAS INCLUDING THE REMOVAL OF LIGHTING FIXTURES, LAMPS, WIRING, ACCESSIBLE CONDUIT, AND ELECTRICAL EQUIPMENT. IN ADDITION, PRECEDING DEMOLITION WORK, HE SHALL DE-ENERGIZE ALL CIRCUITS IN THE AFFECTED AREAS AND WHERE WIRING IS ROUTED THROUGH THESE AREAS SERVING AREAS OF THE BUILDING REMAINING IN SERVICE, PROVIDE TEMPORARY AND/OR PERMANENT WIRING AS REQUIRED. ALSO, WHERE NECESSARY TO MAINTAIN SERVICE IN OTHER AREAS, PROVIDE NECESSARY AND REQUIRED SOURCES OF POWER AND TEMPORARY WIRING. REMOVE ALL CONDUIT AND WIRING OF EQUIPMENT BEING REMOVED AND/OR ABANDONED BACK TO SOURCE. REMOVE ALL LOW-VOLTAGE CABLES NOT BEING REUSED.
20. REMOVE ALL CONDUIT AND WIRING OF EQUIPMENT BEING REMOVED AND/OR ABANDONED BACK TO SOURCE. REMOVE ALL LOW-VOLTAGE CABLES NOT BEING REUSED.
21. REFER TO DEMOLITION DRAWINGS OF OTHER TRADES. THIS CONTRACTOR IS RESPONSIBLE FOR DISCONNECTION, REMOVAL AND RE-ROUTING OF EXISTING ELECTRICAL WORK.
22. ALL NEW CIRCUIT BREAKERS BEING INSTALLED IN EXISTING PANELS SHALL MATCH EXISTING BREAKERS INCLUDING AIC RATINGS.

GENERAL NEW CONSTRUCTION NOTES:

1. CIRCUITS INDICATED ARE INTENDED TO DENOTE WHICH DEVICES/FIXTURES ARE TO BE WIRED TO A COMMON CIRCUIT BREAKER, AND NOT ITS POSITION IN THE PANEL. REBALANCE LOADS BETWEEN PHASES (MAX. 7.5%) UPON COMPLETION OF WIRING.
2. BRANCH CIRCUITS FOR RECEPTACLES MOUNTED ON ROOF TOP EQUIPMENT MAY BE ROUTED UP THROUGH UNIT CURB OR UNIT ITSELF IF RECOMMENDED BY ROOF TOP EQUIPMENT MANUFACTURER.
3. NEW EXIT LIGHTS SHALL BE WIRED TO THE NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT SERVING THE AREA THAT EXIT LIGHT IS INSTALLED.
4. ELECTRICAL RACEWAYS SHALL BE CONCEALED IN CEILING CAVITY OR IN WALLS. EXPOSED RACEWAYS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY INDICATED AND/OR APPROVED BY A/E.
5. EXACT LOCATION OF SPECIAL PURPOSE OUTLETS SHALL BE VERIFIED IN FIELD. VERIFY SPECIFIC WIRING REQUIREMENTS WITH VENDORS' DRAWINGS/INSTRUCTION, COORDINATING ELECTRICAL WORK WITH WORK OF VENDOR AND OTHER TRADES.
6. INCLUDE FISH WIRE IN ALL NON-POWER CONDUITS.
7. VERIFY EXACT LOCATION OF LIGHTING FIXTURES IN THE FIELD TO AVOID CONFLICT WITH MECHANICAL EQUIPMENT, DUCT WORK, AND PIPES.
8. PAINT ALL EXPOSED CONDUIT TO MATCH ADJACENT AREAS WHEN THE CONDUIT IS IN A FINISHED AREA.
9. FIRE AND/OR SMOKE RATINGS OF WALLS, FLOORS AND CEILINGS SHALL BE MAINTAINED. IF THE INTEGRITY IS SACRIFICED THEN THE BARRIER SHALL BE REPAIRED TO ITS ORIGINAL RATING. ALL PENETRATIONS SHALL BE PROPERLY SEALED.
10. COORDINATE CABLE TYPES AND INSTALLATIONS FOR WORK ABOVE CEILING WITH HVAC FOR PLENUM VS. NON-PLENUM RATING OF CEILING SPACE. INSTALLATION SHALL FOLLOW GUIDELINES FOR RATINGS OF CEILING CAVITY.
11. VERIFY LOCATION OF MARKER BOARDS, TACK BOARDS, ARTWORK, SIGNS AND ANY OTHER WALL MOUNTED ITEMS PRIOR TO ROUGH-IN OF FIRE ALARM DEVICES AND ANY OTHER WALL MOUNTED DEVICE. DO NOT ROUGH IN BEHIND BOARDS.
12. SEE MECHANICAL/ELECTRICAL SHEETS FOR ELECTRICAL INFORMATION OF HVAC EQUIPMENT INDICATED ON DRAWINGS.
13. RECEPTACLE LOCATED IN AREAS OF CHILDREN SHALL BE TAMPER TYPE.
14. PLASTIC TIE WRAPS SHALL NOT BE USED TO SUPPORT ANY RACEWAYS OR OPEN AIR WIRING.
15. FIRE ALARM DEVICES MAY BE SHOWN OFF CENTERED SO THAT ROOM NAMES AND NUMBERS ARE VISIBLE. CONTRACTOR SHALL CENTER THESE DEVICES IN THE ROOMS ACCORDINGLY.

ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	I	INSTALLED
AF	AMP FUSE	IU	INTEGRAL TO UNIT
AFC	AVAILABLE FAULT CURRENT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LIG	LAY-IN GRID
ARCH	ARCHITECT	LOC	LOCATION
AFG	ABOVE FINAL GRADE	LTG	LIGHTING
AR	AS REQUIRED	MAG	MAGNETIC STARTER
AS	AMP SWITCH	MAN	MANUAL STARTER
B	JUNCTION BOX	MC	MECHANICAL CONTRACTOR
BKR	BREAKER	MCB	MAIN CIRCUIT BREAKER
BFG	BELOW FINAL GRADE	MLO	MAIN LUGS ONLY
C	MOUNTED 6" ABOVE COUNTER	MSB	MAIN SWITCHBOARD
CAB	CABINET MTD MOUNTED	NU	NEAR UNIT
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
cd	CANDELA	O	OTHERS
CKT	CIRCUIT	OC	ON CENTER
CLG	CEILING	ORS	OVER RIDE SWITCH
COMB	COMBINATION STARTER W/DISCONNECT - SWITCH	OU	ON UNIT
		P	POLE
CONC	CONCRETE	PC	PHOTOCELL
CP	CONTROL PANEL	PEND	PENDANT
CS	COMBINATION STARTER/DISC. SWITCH	PLBG	PLUMBING CONTRACTOR
D	DISCONNECT SWITCH	PNL	PANEL
DISC	DISCONNECT SWITCH	PB	PUSH-BUTTON
DN	DOWN	R	RECEPTACLE
DNLT	DOWN LIGHT	REC	RECESSED
EWC	ELECTRIC WATER COOLER	SS	SWITCH STATION
E.C	ELECTRICAL CONTRACTOR	SURF	SURFACE
ELEV	ELEVATION	SUSP	SUSPENDED
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
ENT	ELECTRICAL NON-METALLIC TUBING	TC	TIME CLOCK
ER	EXISTING TO BE REMOVED	TCC	TEMPERATURE CONTROL - CONTRACTOR
EXP	EXPOSED		
EXR	EXISTING IN NEW LOCATION	TYP	TYPICAL
EX	EXISTING TO REMAIN	UM	UNIT MANUFACTURER
F	FURNISHED	VER	VERIFY
FIXT	FIXTURE	VFD	VARIABLE FREQUENCY DRIVE
FLUOR	FLUORESCENT	W	WIRED
G.C.	GENERAL CONTRACTOR	WP	WEATHERPROOF
GFI	GROUND FAULT INTERRUPTING	XFMR	TRANSFORMER
GRC	GALVANIZED RIGID CONDUIT		
GYP	GYPSUM BOARD		
HOA	HAND-OFF-AUTO SELECTOR SWITCH		
HP	HORSEPOWER		
HVAC / HV / HW	HEATING, VENTILATING, AND AIR CONDITIONING CONTRACTOR / HEAVYWALL		

G - ELECTRICAL SHEET LIST

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Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:

ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES

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

Revisions:

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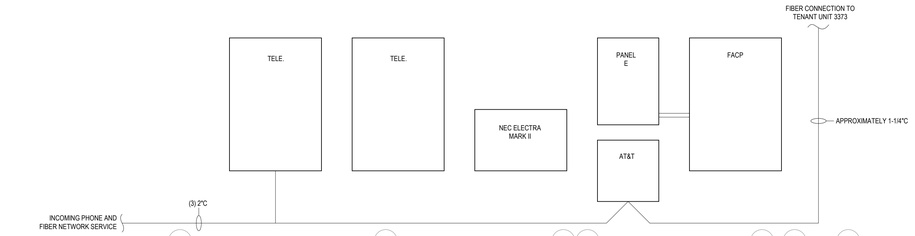
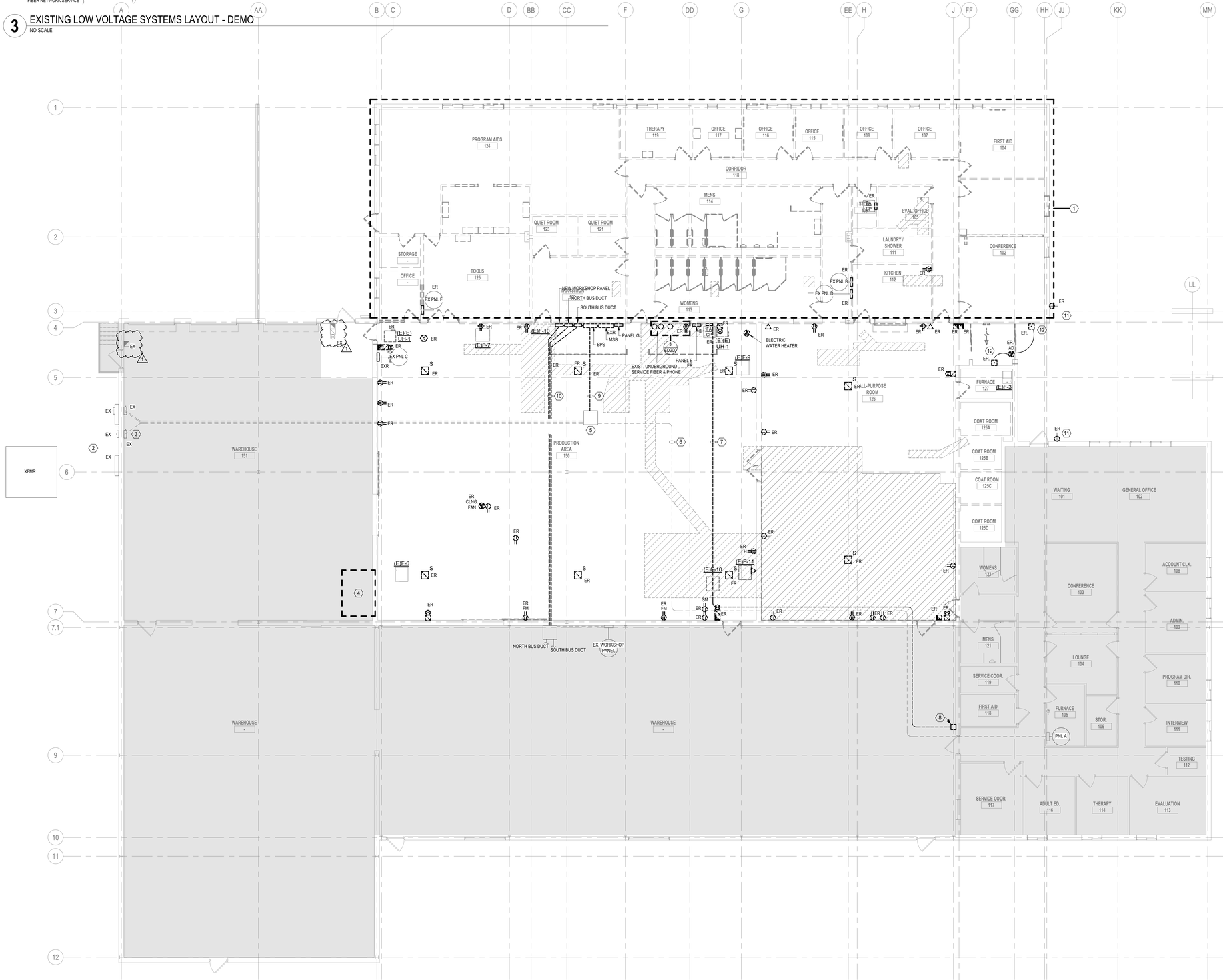


3 EXISTING LOW VOLTAGE SYSTEMS LAYOUT - DEMO
NO SCALE



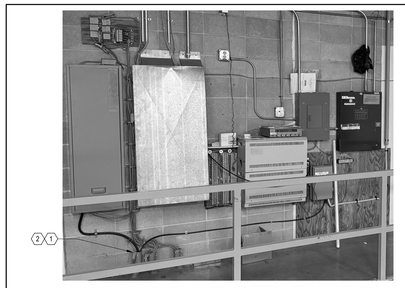
1 FIRST FLOOR - DEMOLITION POWER PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL DEMOLITION DRAWINGS ARE BASED ON BEST AVAILABLE INFORMATION. EXISTING CONDITIONS, INCLUDING CONDUIT ROUTING AND JUNCTION BOX LOCATIONS, ARE APPROXIMATE. FIELD VERIFY ALL CONDITIONS PRIOR TO DEMOLITION.
2. DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, WIRING, AND CONDUIT INDICATED TO BE DEMOLISHED. VERIFY ALL CIRCUITS PRIOR TO DEMOLITION. COORDINATE ALL OUTAGES WITH OWNER AND PROVIDE MINIMUM TWO (2) WEEK ADVANCE NOTICE.
3. DISCONNECT AND REMOVE ALL LOW VOLTAGE CABLING, INCLUDING DATA, COMMUNICATIONS, SPEAKER, AND FIRE ALARM SYSTEMS.
4. DISCONNECT AND REMOVE ALL LOW VOLTAGE CABLING AND DEVICES WITHIN THE PROJECT SCOPE BOUNDARY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND IDENTIFY ANY LOW VOLTAGE SYSTEMS SERVING THE ADJACENT OWLS TENANT SPACE (UNIT 3373). NOTIFY THE ENGINEER OF RECORD OF ANY SYSTEMS AFFECTED BY THE DEMOLITION PRIOR TO COMMENCING WORK. MAINTAIN CONTINUITY OF ALL SYSTEMS REQUIRED TO REMAIN IN SERVICE PER SPECIFICATIONS.
5. MAINTAIN OPERATION OF EXISTING SYSTEMS TO REMAIN. PROVIDE TEMPORARY POWER AND RE-ROUTING AS REQUIRED.
6. COORDINATE DEMOLITION WITH ALL TRADES. FIRESTOP ALL PENETRATIONS TO MAINTAIN EXISTING RATINGS AND PATCH/REPAIR ALL SURFACES TO MATCH EXISTING CONDITIONS.
7. EXISTING FIRE ALARM DEVICES WITHIN THE ADJACENT WAREHOUSE SPACES AND OWLS TENANT SPACE SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. REFER TO SHEET E200 FOR ADDITIONAL FIRE ALARM SCOPE REQUIREMENTS.

SHEET NOTES:

1. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT, AND SYSTEMS WITHIN THIS AREA UNLESS NOTED OTHERWISE. DISCONNECT AND REMOVE BACK TO SOURCE.
2. APPROXIMATE LOCATION OF EXISTING SERVICE TRANSFORMER AND METERING EQUIPMENT TO REMAIN FOR BOTH TENANTS.
3. APPROXIMATE LOCATION OF EXISTING SERVICE DISCONNECT SWITCHES TO REMAIN FOR BOTH TENANTS.
4. EXISTING COMPRESSOR TO BE REMOVED BY OWNER. DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, CONDUIT, AND WIRING SERVING THE COMPRESSOR.
5. FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING CEILING-MOUNTED JUNCTION BOX SERVING THIS PROJECTS TENANT SPACE AND ADJACENT TENANT. NOTIFY ENGINEER IF JUNCTION BOX CONFLICTS WITH NEW WALL OR CONSTRUCTION PRIOR TO ROUGH-IN. DO NOT RELOCATE WITHOUT ENGINEER APPROVAL.
6. EXISTING FEEDER FROM SERVICE DISCONNECT TO ADJACENT TENANT SPACE (UNIT 3373) TO REMAIN IN SERVICE. PROTECT DURING CONSTRUCTION.
7. EXISTING FIBER OPTIC AND TELEPHONE SERVICES TO BE REMOVED. MAINTAIN CONTINUOUS SERVICE TO ADJACENT TENANT. PROVIDE NEW FIBER CONNECTIONS PRIOR TO REMOVAL OF EXISTING. DO NOT DISCONNECT OR REMOVE EXISTING FIBER SERVING ADJACENT TENANT UNTIL NEW SERVICE IS INSTALLED AND OPERATIONAL.
8. EXISTING FIBER JUNCTION BOX TO REMAIN AS NECESSARY.
9. REMOVE EXISTING FEEDER CONDUCTORS FROM MSB BACK TO SERVICE DISCONNECT. REMOVE CONDUIT BACK TO EXISTING PULL BOX. PROVIDE NEW CONDUIT FROM JUNCTION BOX AND FEEDER CONDUCTORS FROM SERVICE DISCONNECT TO NEW MSB. SEE ONE-LINE DIAGRAM FOR REQUIREMENTS. REFER TO SHEET E600 ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
10. REMOVE EXISTING DISCONNECTS, CONDUIT, AND WIRING SERVING BUSWAYS LOCATED IN THE WAREHOUSE. EXISTING BUSWAYS TO REMAIN IN PLACE, DE-ENERGIZED.
11. CONTRACTOR TO REPLACE EXISTING RECEPTACLES WITH NEW GFCI-TYPE RECEPTACLES AND PROVIDE NEW 'WHILE-IN-USE' COMPLIANT COVERS.
12. REMOVE EXISTING AUTO DOOR WALL PLATE, CONDUIT AND WIRING. PROVIDE A BLANK WEATHERPROOF WALL PLATE AS NECESSARY OVER EXISTING ABANDONED BOX.



NOTES:
1. EXISTING UNDERGROUND SERVICE FIBER AND PHONE
2. CUT EXISTING UNDERGROUND CONDUITS FLUSH WITH FLOOR AND SEAL.

2 EXISTING DISTRIBUTION - DEMO
NO SCALE

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As indicated

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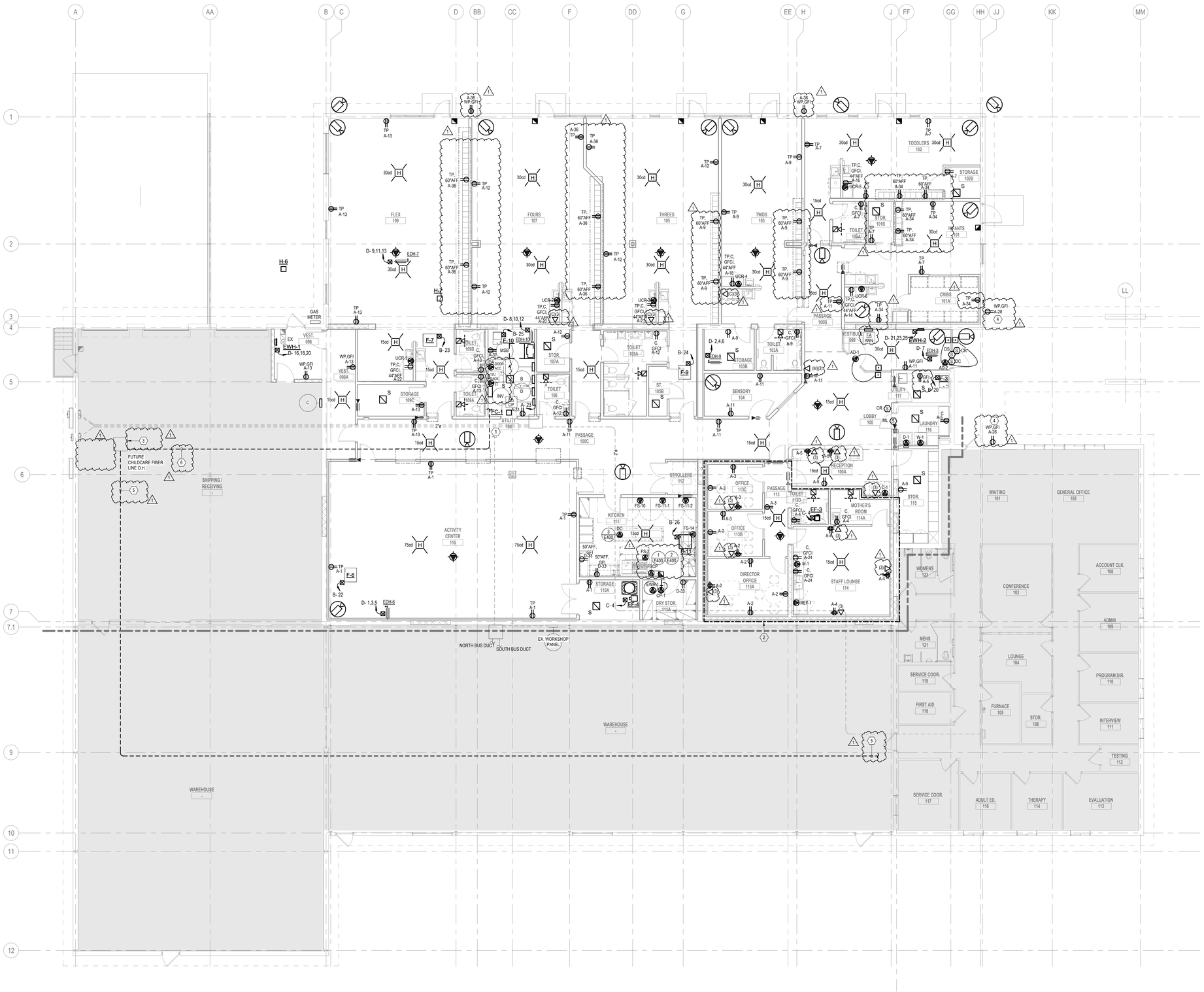

1 FIRST FLOOR - POWER PLAN
1/8" = 1'-0"

NORTH

GENERAL NOTES:

1. EXISTING EQUIPMENT AND CONDITIONS ARE BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO PROCUREMENT AND INSTALLATION.
2. CONDUIT ROUTING AND JUNCTION BOX LOCATIONS ARE APPROXIMATE. FIELD VERIFY AND COORDINATE EXACT LOCATIONS WITH ACTUAL SITE CONDITIONS AND OTHER TRADES PRIOR TO INSTALLATION.
3. PROVIDE COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. COORDINATE ALL DEVICES, INTERFACES, AND WIRING WITH OTHER TRADES FOR A FULLY FUNCTIONAL SYSTEM.
4. COORDINATE DUCT SMOKE DETECTOR LOCATIONS AND QUANTITIES WITH MECHANICAL DRAWINGS. PROVIDE DUCT MOUNTED SMOKE DETECTORS AT EACH FIRE/SMOKE DAMPER LOCATION. REFER TO MECHANICAL PLAN DETAILS FOR INSTALLATION REQUIREMENTS.
5. ROUTE ALL NETWORK CABLING AND LOW VOLTAGE SYSTEMS TO UTILITY ROOM 108 UNLESS NOTED OTHERWISE. COORDINATE REQUIREMENTS WITH OWNER AND OTHER TRADES.
6. NOT USED.
7. FOR FIRE RATED WALLS REFER TO ARCHITECTURAL DRAWINGS.
8. COORDINATE ALL ELECTRIFIED DOOR HARDWARE, POWER TRANSFER DEVICES, AND WIRING REQUIREMENTS WITH ARCHITECTURAL DOOR HARDWARE SCHEDULE AND APPROVED ACCESS CONTROL SHOP DRAWINGS. PROVIDE 120V POWER CONNECTION TO ACCESS CONTROL POWER SUPPLY AS REQUIRED. COORDINATE FINAL LOCATION, QUANTITY, AND CIRCUITING WITH DIVISION 28 CONTRACTOR.

NOTES:

1. EXTEND EXISTING CONDUITS TO NEW MSB. PROVIDE NEW FEEDERS AS NECESSARY. REFER TO SHEET E600 ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
2. THIS AREA IS A DESIGNATED FEMA-RATED STRUCTURAL STORM SHELTER. KEEP ELECTRICAL CONDUITS AND OTHER PENETRATIONS GROUPED TOGETHER AS MUCH AS POSSIBLE TO REDUCE THE NUMBER OF OPENINGS IN SHELTER WALLS. DO NOT ROUTE ELECTRICAL PENETRATIONS THROUGH THE SHELTER ROOF CAP IN THIS AREA. COORDINATE ALL ELECTRICAL PENETRATIONS WITH REQUIRED TRADES. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL STORM SHELTER REQUIREMENTS.
3. APPROXIMATE LOCATION OF AT&T FIBER SERVICE JUNCTION BOX.
4. REPLACE RECEPTACLE WITH NEW. ADD COVER TO FOR "WHILE IN USE".
5. APPROXIMATE ROUTE OF AT&T FIBER SERVICE SHOWN FOR REFERENCE ONLY. ASSOCIATED CONDUIT, PULL BOXES, CABLING, AND EQUIPMENT ARE OWNER-FURNISHED AND OWNER-INSTALLED BY OTHERS.
6. PROVIDE A NEW 1-1/4" CONDUIT WITH PULL STRING FROM FIBER JUNCTION BOX AND STUB INTO UTILITY ROOM 108 FOR FUTURE INCOMING FIBER SERVICE. PROVIDE INSULATED CONDUIT BUSHINGS AT BOTH ENDS OF THE CONDUIT.

FIRE ALARM SCOPE GENERAL NOTES:

1. PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE NEW FIRE ALARM CONTROL PANEL (FACP) LOCATED WITHIN THE CHILDCARE TENANT SPACE SHALL SERVE BOTH THE CHILDCARE TENANT SPACE AND THE ADJACENT OWLS TENANT SPACE (UNIT 3373).
3. EXISTING FIRE ALARM DEVICES WITHIN THE OWLS TENANT SPACE SHALL REMAIN OPERATIONAL AND SHALL BE REPLACED AS REQUIRED FOR COMPATIBILITY WITH THE NEW FIRE ALARM SYSTEM.
4. FOR BIDDING PURPOSES, PROVIDE APPROXIMATELY (2) OF NEW INITIATING DEVICES AND (15) OF NOTIFICATION APPLIANCES WITHIN THE OWLS TENANT SPACE.
5. FOR BIDDING PURPOSES, PROVIDE APPROXIMATELY (23) OF NEW INITIATING DEVICES AND (16) OF NOTIFICATION APPLIANCES WITHIN THE WAREHOUSE AND SHIPPING/RECEIVING SPACES.
6. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO PURCHASING AND NOTIFY THE EOR OF SIGNIFICANT DEVIATIONS FROM THESE ASSUMPTIONS.
7. PROVIDE ALL DEVICES, INTERFACES, PROGRAMMING, TESTING, AND WIRING REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL FIRE ALARM SYSTEM.

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SEE ONE-LINE RISER FOR CIRCUIT BREAKER QUANTITIES AND SIZES.

Panel: A

Location: STOR. 107A | Supply From: MSB | Mounting: Surface | Enclosure: Type 1
Volts: 120/208 Wye | Phases: 3 | Wires: 4
A.I.C. Rating (Fully Rated): 10 kAIC | Mains Type: MLO | Mains Rating: 225 A

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	REC. - RM 110		20	1	0.9	1.4					1	20		REC. - RM 113B, 113A	2
3	REC. - RM 113C		20	1			1.1	1.4			1	20		REC. - RM 114	4
5	REC.-RM 116,115, 100A		20	1					1.4	1.2	1	20		COPY MACHINE 1	6
7	REC. - RM 102		20	1	1.3	2.5					2	30		ELECTRICAL DRYER 1	8
9	REC.- RM 103		20	1			1.4	2.5			--	--		--	10
11	REC. - RM 100B		20	1					1.3	1.3	1	20		REC- 105 & 107	12
13	REC.- RM 109		20	1	1.6	1.2					1	20	A	UNDERCABINET REFRIGERATOR 6	14
15	REFRIGERATOR 1	A	20	1			1.0	1.2			1	20	A	UNDERCABINET REFRIGERATOR 5	16
17	ELECTRICAL WASHER 1		30	2					2.5	1.2	1	20	A	UNDERCABINET REFRIGERATOR 4	18
19	--		--	--	2.5	1.2					1	20	A	UNDERCABINET REFRIGERATOR 2	20
21	UNDERCABINET REFRIGERATOR 3	A	20	1			1.2	1.2			1	20	A	UNDERCABINET REFRIGERATOR 1	22
23	FACP		20	1					0.5	0.4	1	20		REC. RM 114	24
25	CIRC. PUMP-1 RM 111A		20	1	0.5	0.5					1	20		ELECTRIC WATER HEATER-1- RM 111A	26
27	ROOF REC.		20	1			1.1	0.4			1	20		EXTERIOR REC.	28
29	MICROWAVE-1 - STAFF LOUNGE 114		20	1					1.2	1.0	1	20		AUTODOOR-1 - VESTIBULE -099	30
31	REC. - UTILITY 108		20	1	0.4	1.0					1	20		AUTODOOR-2 - VESTIBULE -099	32
33	DROP CORD. CONNECTION		20	1			0.1	1.3			1	20		REC- RM 101	34
35	SPO - DOOR ACCESS		20	1					0.2	1.4	1	20		REC- EXTERIOR	36
37	SPO - 12U RACK - IT		20	1	1.0	0.0					1	20		SPARE	38
39	SPACE		--	1			--	--			1	--		SPACE	40
41	SPACE		--	1					--	--	1	--		SPACE	42
				Total Load:	15.9		13.8		13.5						
				Total Phase Amps:	133 A		115 A		113 A						

Load Classification	Conn. Load	Demand Factor	Demand Load	Panel Totals	
Kitchen Equipment - Non-Dwelling Unit	100 VA	100.00%	100 VA		
Other	3200 VA	100.00%	3200 VA	Total Conn. Load:	40940 VA
Receptacle	36140 VA	63.84%	23070 VA	Total Demand:	27870 VA
Fire Alarm	500 VA	100.00%	500 VA	Total Conn.:	114 A
Plumbing Equipment	1000 VA	100.00%	1000 VA	Total Demand:	77 A

Notes:
A. Provide GFI Type Breaker. B. Provide Lock On Device. C. Provide Shunt Trip Breaker. D. Provide 100% Rated Breaker. E. Provide UL listed Handle Ties. F. Provide Red Breaker for FACP Circuit.

Panel: MSB

Location: UTILITY 108 | Supply From: | Mounting: Floor | Enclosure: Section
Volts: 120/208 Wye | Phases: 3 | Wires: 4
A.I.C. Rating (Fully Rated): 65 kAIC | Mains Type: MCB | Mains Rating: 600 A | MCB Rating: 600 A

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	PANEL B		0	3	20.3	1.3					3	0		MAKE UP AIR UNIT -1	2
3	--		--	--			18.5	1.3			--	--		--	4
5	--		--	--					18.3	1.3	--	--		--	6
7	PANEL C		0	3	3.0	15.9					3	0		PANEL A	8
9	--		--	--			2.7	12.4			--	--		--	10
11	--		--	--					1.1	12.6	--	--		--	12
13	PANEL D		0	3	14.9	1.4					2	0		INV.	14
15	--		--	--			17.9	0.0			--	--		--	16
17	--		--	--					17.0						18
19	SPD		0	3	0.0										20
21	--		--	--			0.0								22
23	--		--	--					0.0						24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
				Total Load:	56.8		52.7		50.3						
				Total Phase Amps:	476 A		443 A		419 A						

Load Classification	Conn. Load	Demand Factor	Demand Load	Panel Totals	
Cooling	8411 VA	100.00%	8411 VA		
Existing Load	48880 VA	125.00%	61100 VA	Total Conn. Load:	159873 VA
HVAC	3170 VA	100.00%	3170 VA	Total Demand:	157579 VA
Kitchen Equipment - Non-Dwelling Unit	9000 VA	65.00%	5850 VA	Total Conn.:	444 A
Lighting	7905 VA	125.00%	9881 VA	Total Demand:	437 A
Other	3200 VA	100.00%	3200 VA		
Receptacle	36680 VA	63.63%	23340 VA		
HVAC Equipment	8648 VA	100.00%	8648 VA		
Fire Alarm	500 VA	100.00%	500 VA		
Plumbing Equipment	1000 VA	100.00%	1000 VA		
Heating - Supplemental	32480 VA	100.00%	32480 VA		

Notes:
A. Provide GFI Type Breaker. B. Provide Lock On Device. C. Provide Shunt Trip Breaker. D. Provide 100% Rated Breaker. E. Provide UL listed Handle Ties. F. Provide Red Breaker for FACP Circuit.

SPECIAL OUTLET SCHEDULE

R - RECEPTACLE
D - DISCONNECT
B - JUNCTION BOX

NO.	TO FEED	LOC.	PANEL	CIRCUIT NUMBER	BREAKER SIZE	BREAKER POLE	WIRING NO.	WIRING SIZE	WIRING COND	WIRING GRD SIZE	TERMINAL R	TERMINAL D	TERMINAL B	VOLT	PHASE	LOAD (W)	SEE NOTE
AD-1	AUTO DOORS-1	VESTIBULE 099	A	30	20	1	2	12	1/2"	12		X		120	1	1000	4
AD-2	AUTO DOORS-2	VESTIBULE 099	A	32	20	1	2	12	1/2"	12		X		120	1	1000	4
C-1	COPY MACHINE 1	RECEPTION 100A	A	6	20	1	2	12	1/2"	12	X			120	1	1200	1
D-1	ELECTRICAL DRYER 1	LAUNDRY 116	A	8,10	30	2	3	10	3/4"	10	X			208	1	5000	3
DA	DOOR ACCESS	UTILITY 108	A	35	20	1	2	12	1/2"	12		X		120	1	200	
IT	12U RACK	UTILITY 108	A	37	20	1	2	12	1/2"	12	X			120	1	1000	
M-1	MICROWAVE-1	STAFF LOUNGE	A	29	20	1	2	12	1/2"	12	X			120	1	1200	
REF-1	REFRIGERATOR 1	LOUNGE 114	A	15	20	1	2	12	1/2"	12	X			120	1	1000	2
UCR-1	UNDERCABINET REFRIGERATOR 1	FLEX 109	A	22	20	1	2	12	1/2"	12	X			120	1	1000	
UCR-2	UNDERCABINET REFRIGERATOR 2	FOURS 107	A	20	20	1	2	12	1/2"	12	X			120	1	1000	
UCR-3	UNDERCABINET REFRIGERATOR 3	THREES 105	A	21	20	1	2	12	1/2"	12	X			120	1	1000	
UCR-4	UNDERCABINET REFRIGERATOR 4	TWOS 103	A	18	20	1	2	12	1/2"	12	X			120	1	1000	
UCR-5	UNDERCABINET REFRIGERATOR 5	TODDLERS 102	A	16	20	1	2	12	1/2"	12	X			120	1	1000	
UCR-6	UNDERCABINET REFRIGERATOR 6	INFANTS 101	A	14	20	1	2	12	1/2"	12	X			120	1	1000	
W-1	ELECTRICAL WASHER 1	LAUNDRY 116	A	17,19	30	2	3	10	3/4"	10	X			208	1	5000	3

ELECTRICAL SPO NOTES:

1. EQUIPMENT REQUIRES A TELECOMMUNICATIONS OUTLET ROUGH-IN
2. MOUNT RECEPTACLE AT 36" AFF.
3. FURNISH AND INSTALL CORD, PLUG, & RECEPTACLE.
4. INSTALL AND WIRE PUSH BUTTON ACTIVATORS ON BOTH SIDES OF DOOR PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PLUMBING SPECIAL OUTLET SCHEDULE

R - RECEPTACLE
D - DISCONNECT
B - JUNCTION BOX

NO.	TO FEED	LOC.	PANEL	CIRCUIT NUMBER	BREAKER SIZE	BREAKER POLE	WIRING NO.	WIRING SIZE	WIRING COND	WIRING GRD SIZE	TERMINAL R	TERMINAL D	TERMINAL B	VOLT	PHASE	LOAD (W)	SEE NOTE
CP-1	CIRCULATION PUMP 1	STORAGE 110A	A	25	20	1	2	12	1/2"	12		X		120	1	500	1
EWH-1	ELECTRICAL WATER HEATER 1	STORAGE 110A	A	26	20	1	2	12	1/2"	12		X		120	1	500	

PLUMBING SPO NOTES:

1. PROVIDE A PILOT LIGHT SWITCH TO ILLUMINATE WHEN UNIT IS ENERGIZED

FOOD SERVICE SPECIAL OUTLET SCHEDULE

R - RECEPTACLE
D - DISCONNECT
B - JUNCTION BOX

NO.	TO FEED	LOC.	PANEL	CIRCUIT NUMBER	BREAKER SIZE	BREAKER POLE	WIRING NO.	WIRING SIZE	WIRING COND	WIRING GRD SIZE	TERMINAL R	TERMINAL D	TERMINAL B	VOLT	PHASE	LOAD (W)	SEE NOTE
DC	DROP CORD CONNECTION	KITCHEN 111	A	33	20	1	2	12	1/2"	12		X		120	1	100	2
FS-2	FS-2-KITCHEN HOOD - PRE-WIRED LIGHTS	KITCHEN 111	D	29	20	1	2	12	1/2"	12		X		120	1	100	
FS-10	ITEM 10 - REACH-IN REFRIGERATOR	KITCHEN 111	D	27	20	1	2	12	1/2"	12	X			120	1	516	
FS-11-1	ITEM 11 - REACH-IN FREEZER-1	KITCHEN 111	D	26	20	1	2	12	1/2"	12	X			120	1	564	
FS-11-2	ITEM 11 - REACH-IN FREEZER 2	KITCHEN 111	D	31	20	1	2	12	1/2"	12	X			120	1	564	
FS-14	ITEM 14 - DISHWASHER, UNDERCOUNTER	KITCHEN 111	D	22,24	40	2	2	8	3/4"	10	X			208	1	6656	
FSCP	FIRE SUPPRESSION CONTROL PANEL	KITCHEN 111	D	32	20	1	2	12	1/2"	12		X		120	1	500	1

FOOD SERVICE EQUIPMENT GENERAL NOTES:

1. EXAMINE FOOD SERVICE INSTALLER'S CONTRACT DRAWINGS AND SCHEDULES PRIOR TO ROUGH-IN.
2. PROVIDE ALL RECEPTACLES, DISCONNECTS, AND ELECTRICAL CONNECTIONS REQUIRED FOR FOOD SERVICE EQUIPMENT AS INDICATED ON THE EQUIPMENT SCHEDULES.
3. CONNECTION SIZES TO FOOD SERVICE EQUIPMENT ITEMS MAY VARY. VERIFY SIZES WITH EQUIPMENT MANUFACTURER.
4. COORDINATE FINAL EQUIPMENT LOCATIONS, CONNECTION REQUIREMENTS, AND ROUGH-IN DIMENSIONS WITH THE FOOD SERVICE CONTRACTOR PRIOR TO INSTALLATION.
5. VERIFY ELECTRICAL CHARACTERISTICS OF ALL FOOD SERVICE EQUIPMENT PROVIDED BY OTHERS PRIOR TO PROCUREMENT AND INSTALLATION OF ELECTRICAL EQUIPMENT. NOTIFY ENGINEER OF DISCREPANCIES.

FOOD SPO GENERAL NOTES:

1. SEE DETAIL 1/E400
2. SEE DETAIL 3/E400

Panel: C

Location: VEST. 098A | Supply From: MSB | Mounting: Surface | Enclosure: Type 1
Volts: 120/208 Wye | Phases: 3 | Wires: 4
A.I.C. Rating (Fully Rated): 10 kAIC | Mains Type: MLO | Mains Rating: 225 A

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	LTG. - RM 109, 107		20	1	1.5	1.3					1	20		LTG. - RM 105, 103	2
3	LTG. - RM 102,101,101A		20	1			0.7	1.9			1	20		LTG. - RM 110-114	4
5										1.1	1	20		LTG. - LOBBY 100	6
7	LTG. - EXTERIOR		20	1	0.1	0.0					1	20		SPARE	8
9	SPARE		20	1			0.0	0.0			1	20		SPARE	10
11	SPARE		20	1					0.0	0.0	1	20		SPARE	12
13	SPARE		20	1	0.0	0.0					1	20		SPARE	14
15	SPARE		20	1			0.0	0.0			1	20		SPARE	16
17	SPARE		20	1					0.0	0.0	1	20		SPARE	18
19	SPARE		20	1	0.0	0.0					1	20		SPARE	20
21	SPARE		20	1			0.0	0.0			1	20		SPARE	22
23	SPARE		20	1					0.0	0.0	1	20		SPARE	24
25	SPARE		20	1	0.0	0.0					1	20		SPARE	26
27	SPARE		20	1			0.0	0.0			1	20		SPARE	28
29	SPACE		--	1					--	--	1	--		SPACE	30
31	SPACE		--	1	--	--					1	--		SPACE	32
33	SPACE		--	1			--	--			1	--		SPACE	34
35	SPACE		--	1					--	--	1	--		SPACE	36
37	SPACE		--	1	--	--					1	--		SPACE	38
39	SPACE		--	1			--	--			1	--		SPACE	40
41	SPACE		--	1					--	--	1	--		SPACE	42
				Total Load:	3.0		2.7		1.1						
				Total Phase Amps:	27 A		24 A		9 A						

Load Classification	Conn. Load	Demand Factor	Demand Load	Panel Totals	
HVAC	200 VA	100.00%	200 VA		
Lighting	6544 VA	125.00%	8180 VA	Total Conn. Load:	6744 VA
				Total Demand:	8380 VA
				Total Conn.:	19 A
				Total Demand:	23 A

Notes:
A. Provide GFI Type Breaker. B. Provide Lock On Device. C. Provide Shunt Trip Breaker. D. Provide 100% Rated Breaker. E. Provide UL listed Handle Ties. F. Provide Red Breaker for FACP Circuit.

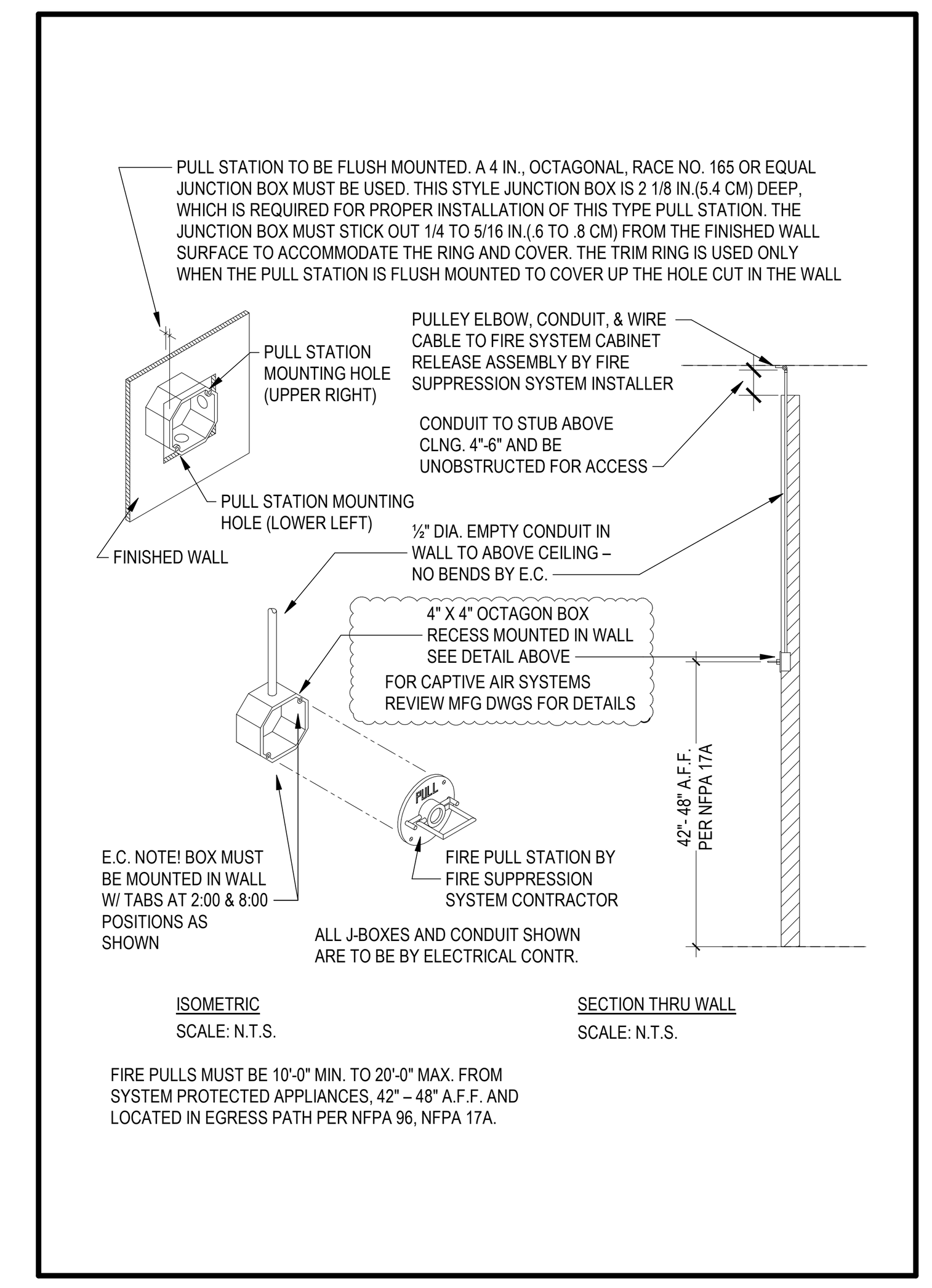
Panel: B

Location: TOILET 106 | Supply From: MSB | Mounting: Surface | Enclosure: Type 1
Volts: 120/208 Wye | Phases: 3 | Wires: 4
A.I.C. Rating (Fully Rated): 10 kAIC | Mains Type: MLO | Mains Rating: 225 A

CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	EXISTING AIR COOLED CONDENSING UNIT-3		20	2	1.4	2.6					3	20		EXISTING AIR COOLED CONDENSING UNIT-5	2
3	--		--	--			1.4	2.6			--	--		--	4
5	EXISTING AIR COOLED CONDENSING UNIT-6		35	3					2.6	2.6	--	--		--	6
7	--		--	--	2.6	2.6					3	35		EXISTING AIR COOLED CONDENSING UNIT-7	8
9	--		--	--			2.6	2.6			--	--		--	10
11	EXISTING AIR COOLED CONDENSING UNIT-9		30	3					2.2	2.6	--	--		--	12
13	--		--	--	2.2	2.6					3	35		EXISTING AIR COOLED CONDENSING UNIT-10	14
15	--		--	--			2.2	2.6			--	--		--	16
17	EXISTING AIR COOLED CONDENSING UNIT-11		35	3					2.6	2.6	--	--		--	18
19	--		--	--	2.6	1.1					1	15		EXISTING FURNACE-3	20
21	--		--	--			2.6	1.7			1	15		EXISTING FURNACE-6	22
23	EXISTING FURNACE-7		15	1					1.7	1.2	1	15		EXISTING FURNACE-9	24
25	EXISTING FURNACE-10		15	1	1.2	1.2					1	20		EXISTING FURNACE-11	26
27	SPARE		20	1			0.0	0.0			1	20		SPARE	28
29	SPARE		20	1					0.0	0.0	1	20		SPARE	30
31	SPARE		20	1	0.0	0.0					1	20		SPARE	32
33	SPARE		20	1			0.0	0.0			1	20		SPARE	34
35	SPARE		20	1					0.0	0.0	1	20		SPARE	36
37	SPACE		--	1	--	--					1	--		SPACE	38
39	SPACE		--	1			--	--			1	--		SPACE	40
41	SPACE		--	1					--	--	1	--		SPACE	42
				Total Load:	20.3		18.5		18.3						
				Total Phase Amps:	169 A		154 A		152 A						

Load Classification	Conn. Load	Demand Factor	Demand Load	Panel Totals	
Existing Load	48880 VA	125.00%	61100 VA		
HVAC Equipment	8148 VA	100.00%	8148 VA	Total Conn. Load:	57028 VA
				Total Demand:	69248 VA
				Total Conn.:	158 A
				Total Demand:	192 A

Notes:
A. Provide GFI Type Breaker. B. Provide Lock On Device. C. Provide Shunt Trip Breaker. D. Provide 100% Rated Breaker. E. Provide UL listed Handle Ties. F. Provide Red Breaker for FACP Circuit.



1 FIRE SYSTEM REMOTE PULL DETAIL(CONDUIT CONCEALED TO ABOVE CEILING)
NTS

Panel: INV.

Location: TOILET 109A | Supply From: MSB | Mounting: Recessed | Enclosure: Type 1
Volts: 120/208 Single | Phases: 1 | Wires: 3
A.I.C. Rating (Fully Rated): 10 kAIC | Mains Type: MLO | Mains Rating: 100 A

CKT	Circuit Description	Notes	Trip	Poles	A		B		Poles	Trip	Notes	Circuit Description	CKT
1	LTG. - EMG		20	1	0.8	0.6			1	20		LTG. - EMG	2
3	SPARE		20	1			0.0	0.0	1	20		SPARE	4
5	SPARE		20	1	0.0	0.0			1	20		SPARE	6
7	SPARE		20	1			0.0	0.0	1	20		SPARE	8
9	SPARE		20	1	0.0	0.0			1	20		SPARE	10
11	SPARE		20	1			0.0	0.0	1	20		SPARE	12
				Total Load:	1.4		0.0						
				Total Phase Amps:	11 A		0 A						

Load Classification	Conn. Load	Demand Factor	Demand Load	Panel Totals	
Lighting	1361 VA	125.00%	1701 VA		
				Total Conn. Load:	1361 VA
				Total Demand:	1701 VA
				Total Conn.:	7 A
				Total Demand:	8 A

Notes:
A. Provide GFI Type Breaker. B. Provide Lock On Device. C. Provide Shunt Trip Breaker. D. Provide 100% Rated Breaker. E. Provide UL listed Handle Ties. F. Provide Red Breaker for FACP Circuit.

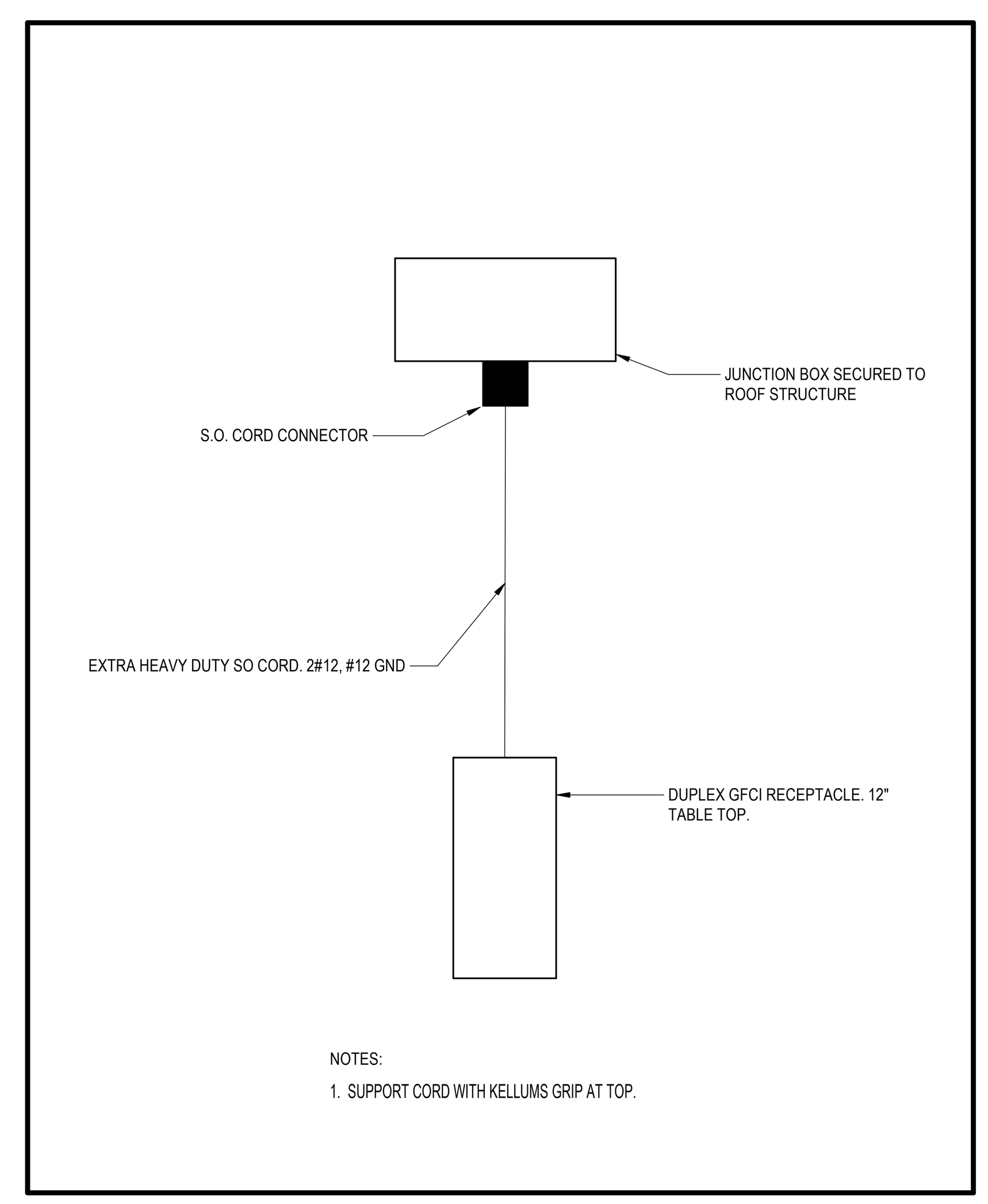
Panel: D

Location: TOILET 106 | Supply From: MSB | Mounting: Surface | Enclosure: Type 1
Volts: 120/208 Wye | Phases: 3 | Wires: 4
A.I.C. Rating (Fully Rated): 10 kAIC | Mains Type: MLO | Mains Rating: 225 A

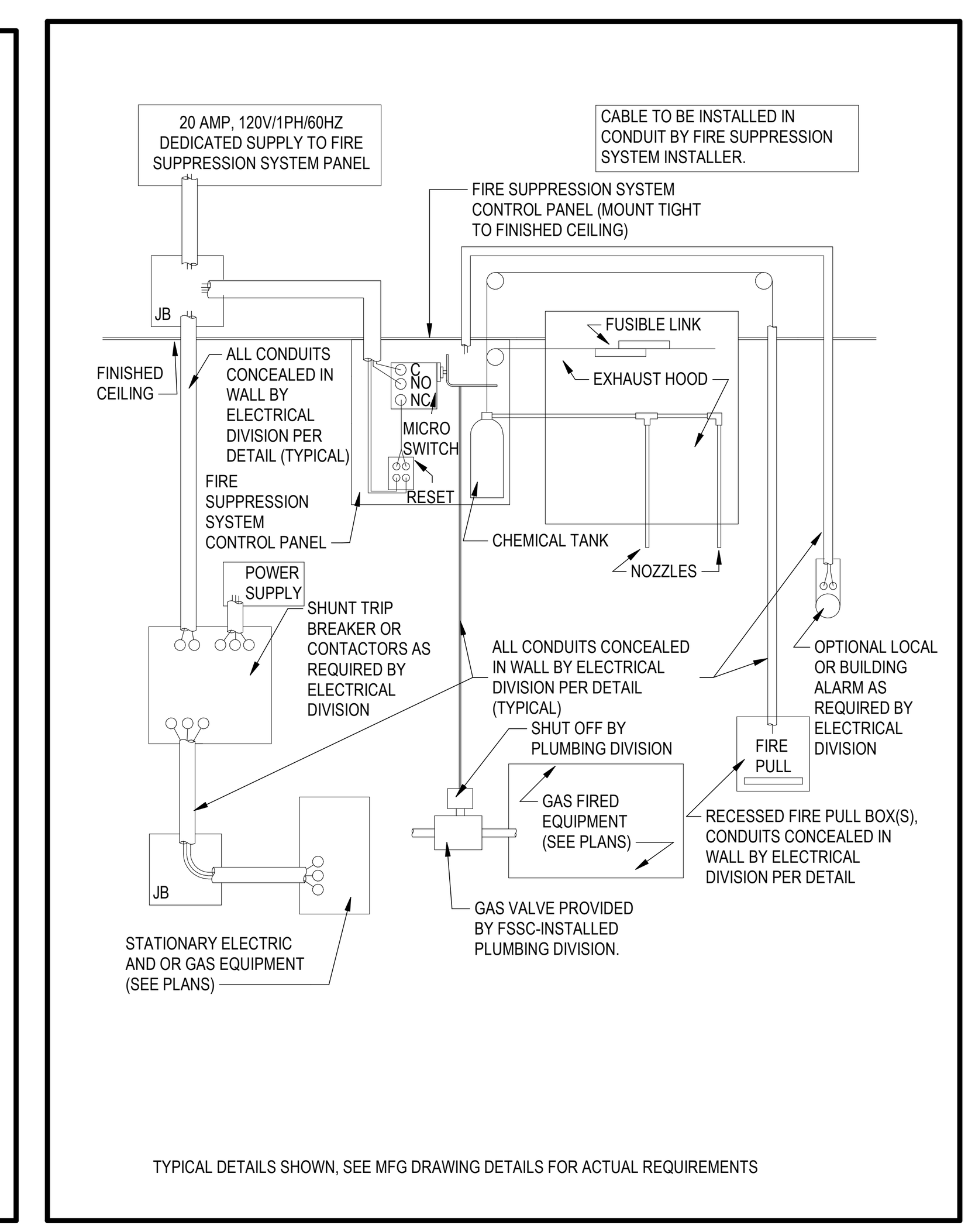
CKT	Circuit Description	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	Circuit Description	CKT
1	ELECTRIC DUCT HEATER-6		20	3	1.9	1.4					3	20		ELECTRIC DUCT HEATER-9	2
3	--		--	--			1.9	1.4			--	--		--	4
5	--		--	--					1.9	1.4	--	--		--	6
7	ELECTRIC DUCT HEATER-3		20	1	1.4	2.9					3	20		ELECTRIC DUCT HEATER-10	8
9	ELECTRIC DUCT HEATER-7		20	3			1.4	2.9			--	--		--	10
11	--		--	--					1.4	2.9	--	--		--	12
13	--		--	--	1.4	0.5					1	15		EXHAUST FAN-1 (ROOF)	14
15	EXHAUST FAN-2 (ROOF)		15	3			1.0	1.3			3	20		ELECTRIC WALL HEATER-1	16
17	--		--	--					1.0	1.3	--	--		--	18
19	--		--	--	1.0	1.3					--	--		--	20
21	ELECTRIC WALL HEATER-2		20	3			1.3	3.3			2	40	A	ITEM 14 - DISHWASHER, UNDERCOUNTER	22
23	--		--	--					1.3	3.3	--	--		--	24
25	--		--	--	1.3	0.6					1	20	A	ITEM 11 - REACH-IN FREEZER	26
27	ITEM 10 - REACH-IN REFRIGERATOR	A	20	1			0.5	2.2			2	25		DUCTLESS SPLIT FAN COIL-ACCU-1-ROOF	28
29	ITEM 2 - KITCHEN HOOD - PRE-WIRED LIGHTS	C	20	1					0.1	2.2	--	--		--	30
31	ITEM 11 - REACH-IN FREEZER 2	A	20	1	0.6	0.5					1	20	A	FIRE SUPPRESSION CONTROL PANEL	32
33	KITCHEN REC.		20	1			0.5	0.0			1	20		SPARE	34
35	SPARE		20	1					0.0	0.0	1	20		SPARE	36
37	SPARE		20	1	0.0	0.0					1	20		SPARE	38
39	SPACE		--	1			--	--			1	--		SPACE	40
41	SPACE		--	1					--	--	1	--		SPACE	42
				Total Load:	14.9		17.9		17.0						
				Total Phase Amps:	124 A		152 A		144 A						

Load Classification	Conn. Load	Demand Factor	Demand Load	Panel Totals	
Cooling	4451 VA	100.00%	4451 VA		
HVAC	2970 VA	100.00%	2970 VA	Total Conn. Load:	49841 VA
Kitchen Equipment - Non-Dwelling Unit	8900 VA	65.00%	5785 VA	Total Demand:	46726 VA
Receptacle	540 VA	100.00%	540 VA	Total Conn.:	138 A
HVAC Equipment	500 VA	100.00%	500 VA	Total Demand:	130 A
Heating - Supplemental	32480 VA	100.00%	32480 VA		

Notes:
A. Provide GFI Type Breaker. B. Provide Lock On Device. C. Provide Shunt Trip Breaker. D. Provide 100% Rated Breaker. E. Provide UL listed Handle Ties. F. Provide Red Breaker for FACP Circuit.



3 KITCHEN CORD RECEPTACLE DETAIL
NTS



2 TYPICAL FIRE SUPPRESSION SYSTEM
NTS

zimmerman ARCHITECTURAL STUDIOS, INC.
2122 W. Mount Vernon Avenue | Milwaukee, WI 53233 | zastudios.com
TELEPHONE [414] 476.9500
FACSIMILE [414] 476.8582

Consultant:
HARWOOD
255 N 21st Street, Milwaukee, WI 53233 | 414-475-5554

Project:
Outagamie YMCA Childcare

Location:
3369 W Brewster St,
Appleton, WI 54914

Key Plan:

100% CONSTRUCTION DOCUMENTS

Sheet:
ELECTRICAL SCHEDULES AND DETAILS

Scale:
As indicated

Revisions:

No:	Date:	Description:
1	6/12/26	ADDENDUM #01

Date:
06/02/2026

Project No.:
250081.00

Sheet No.:
E400

SECTION 12 24 13

MANUAL ROLLER SHADES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes:
   1. Furnish and install a cordless manually operated roller-shade system for interior shading.

1.3 SUBMITTALS

A. General: Submit the following in accordance with conditions of the Contract. Submittals for this specification section must be 100% complete and in one (1) package.
   1. Only the actual samples required shall be allowed as a separate submittal.
   2. Non- complete submittals will be returned to the contractor without comment and stamped “rejected-resubmit”.
   3. Contractors who knowingly want to submit non-complete submittals or break single system submittals into multiple submittals will be responsible to arrange with Architect, prior to submitting the submittal(s), and to compensate Architect for the extra work involved

B. Provide the following as one complete submittal:
   1. Manufacturer's Product Data and shading coefficients.
   2. Shop drawings with all dimensions and material thickness.
   3. Class A Flame Spread test in accordance with ASTM E84.
   4. Copy of the twenty-five-year warranty from the manufacturer on the shade cloth and all mechanical components.

C. Samples of shade cloth, closure, chain and operating unit.

1.4 QUALITY ASSURANCE

A. The 2021 International Building Code (IBC), as modified by the State of Wisconsin Chapters SPS 361-366 - Commercial Building Code, governs the requirements for products, materials, components, and systems that are indicated on the Drawings and specified in the Project Manual.

B. Manufacturer shall have a minimum of 10 years’ experience in the actual production of specified products.

C. Installer must be approved by the manufacturer prior to bid.

D. Installer must have 5 years’ minimum experience with the specified system and have completed a minimum of 5 comparable scale projects using this system.

E. Shade cloth must be FR rated under NFPA-701 Vertical Burn Test and Class A as in accordance with ASTM E84.

F. Child Safety Standards: Shades and installation shall be in compliance with ANSI/WCMA child safety standards.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver products in original unopened packaging with legible manufacturer's identification.

B. Store all materials in a cool dry place. Protect from damage and from the elements.

1.6 PROJECT CONDITIONS

A. Maintain environmental conditions between 32 and 104 degrees Fahrenheit and humidity below 90%. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.7 WARRANTY

A. If any component of the hardware system fails in normal operation, it shall be repaired or replaced for a period of twenty-five years from date of final completion of Project.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Approved Manufacturers: In order to establish a standard of quality, this specification is based on chain operated manual shading system as manufactured by:
   a. Inpro WTTM Commercial Window Treatments, a subsidiary of Inpro: 12830 Virkler Drive, Suite 500, Charlotte, NC 28273; Toll Free Tel: 877-294-3580; Email:WTcustservice@inprocorp.com Web: www.inpro-shades.com
   b. See Color and Material Schedule.

B. Products by the following manufacturers which meet the requirements of this specification are also approved.
   1. Other manufacturers as approved by Architect.

C. Proposed products may be submitted for approval not less than ten (10) days prior to bid date. Submittal must include all data necessary to prove compliance with the specified requirements.

2.2 MATERIALS AND FINISHES

A. SoloMount Cordless Roller Shade as manufactured by Inpro WT.

B. Model options based on shade size: CF200 SoloMount and H300 SoloMount. SoloMount brackets are available with front fascia and/or rear fascia.

C. Adjustable tension spring system with lightweight, balanced tension for optimal shade positioning with the touch of a finger.

D. Universal Mounting Bracket shall be Ceiling, Wall, or Jamb Mount capable. Refer to drawings. Unless noted in drawings, shade dealer is responsible for selecting proper size of brackets based on window sizes and maintaining consistency within spaces.

E. Reverse Roll.

F. Maximum Roll Diameter: CF200 = 2-3/4 inches (70 mm). CF300= 3-3/4 inches (95 mm).

G. Hembar: Aluminum External Hembar with clear handle.
   1. Extruded 6061-T6 aluminum.
   2. Color: White (-10), Ivory (-04), Silver (-20), Bronze (-50), Black (-90).
   3. End caps available in White (-10) or Black (-90).
   4. Optional 1/2 inch (12 mm) non-adhesive brush insert, Grey (-80).

H. Drive system.
   1. Adjustable tension springs that accommodate 1-1/2” and 2” roller tube sizes.
   2. Spring Mechanism Finish: White (-10).

I. Idler mechanism shall be spring loaded with interchangeable housing to allow for multiple tube sizes. Spring loaded idler shall have a metal axle for added strength and safety. Idlers with plastic attachment points shall not be accepted.
   1. Composition: 10 percent glass filled nylon.
   2. Idler Finish: White (-10) or Black (-90). Idler will be color coordinated based on fabric color. See Inpro WT Color Coordination Guide for details.

J. SoloMount Bracket Finish: White (-10) or Black (-90). SoloMount Brackets will be color coordinated based on fabric color. See Inpro WT Color Coordination Guide for details.

K. Notchless Front Fascia size: CF200= 3-3/8”

L. Front Fascia and Rear Fascia finishes are 6061-T6 Aluminum in White(-10), Ivory(-04), Silver(-20), Bronze(-50), Black(-90).

M. Available 1060 Aluminum End Caps are not to exceed 1/32” thick and are press fit onto SoloMount brackets. End Cap finish is to be exact finish of Front and/or Rear Fascia.

N. Shade Fabric: See Color and Material Schedule for fabric selection.

2.3 FABRICATION

A. The shades shall be fabricated square with a snap-on spline for mechanical fastening directly to the mounting tube.

B. A Weighted hembar shall be heat sealed within the hem.

C. Loose hembars will not be allowed

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verification of Conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper and timely completion.

B. Do not proceed until unsatisfactory conditions have been corrected in a manner acceptable to the installer.

C. Ensure that the project temperature will remain between 32 and 104 degrees Fahrenheit and humidity below 90% from the time of installation to the time of occupancy.

3.2 INSTALLATION

A. Install only with a firm approved by the manufacture and according to the manufacturer's written instructions and shop drawings.

B. Install all shades regular roll, with shade and closure level and square.

C. Place lower shade limit so the shade stops 1 inch above the sill. Place upper limit at the point the hem bar meets the roll. System must have these stop limits.

3.3 CLEANING

A. Clean all visible surfaces and repair or replace any damage items.

B. Remove all debris caused by this material and contractor.

END OF SECTION

SECTION 23 09 14

ELECTRICAL INSTRUMENTATION AND CONTROL DEVICES FOR HVAC

PART 1 - GENERAL

1.1 SCOPE

A. This section includes pneumatic and electrical control system specifications for all HVAC work as well as related pneumatic and electrical control for systems found in other specification sections.

1.2 RELATED WORK

A. This Contractor shall provide work, services, equipment, accessories, and materials shown or described by the applicable sections of any part of any section or division of the contract documents.

B. This contractor shall provide all electrical, low voltage, and/or pneumatic controls as required to operate the system.

1.3 REFERENCE STANDARDS

A. ANSI B16.22 Wrought Copper and Wrought Copper Alloy Solder Joint Pressure Fittings

B. ANSI/ASTM B32 Specification for Solder Metal

C. ASTM B75 Seamless Copper Tube

D. ASTM D1693 Environmental Stress-Cracking of Ethylene Plastics

E. UL 94

F. UL 555S Leakage Rated Dampers for Use in Smoke Control Systems

1.4 SYSTEM DESCRIPTION

A. System is to be electric/electronic and stand-alone controls. The existing to remain and existing to be relocated furnace splits have thermostat control with economizers and associated controls as required and/or existing to remain or be relocated per plans.

B. Make-up air unit to have unit controller to be integrated with kitchen exhaust fan. Control by KEC equipment & control panel.

C. SUBMITTALS

D. Include the following information:
1. Manufacturer’s data sheets indicating model number, pressure/temperature ratings, capacity, methods and materials of construction, installation instructions, and recommended maintenance. General catalog sheets showing a series of the same device is not acceptable unless the specific model is clearly marked.
2. Schematic flow diagrams of systems showing fans, pumps, coils, dampers, valves, and other control devices. Label each device with setting or adjustable range of control. Indicate all wiring, clearly, differentiating between factory and field installed wiring.
3. Details of construction, layout, and location of each pneumatic control panel, including instruments location in panel and labeling.
4. Schedule of control dampers indicating size, leakage rating, arrangement, pressure drop at design airflow, and number and size of operators required.

E. Installing contractor must be a manufacturer's branch office or an authorized representative of the control equipment manufacturer that provides engineering and commissioning of the manufacturers control equipment: submit written confirmation of such authorization from the manufacturer. Indicate in letter of authorization that installing contractor has successfully completed all necessary training required for engineering, installation, and commissioning of equipment and systems to be provided for the project, and that such authorization has been in effect for a period of not less than three years.

F. Prior to request for final payment, submit record documents which accurately record actual location of control components including panels, thermostats, wiring, and sensors. Incorporate changes required during installation and start-up.

1.5 DESIGN CRITERIA

A. Size all control apparatus to properly supply and/or operate and control the apparatus served.

B. Provide control devices subject to corrosive environments with corrosion protection or construct them so they are suitable for use in such an environment.

C. Provide devices exposed to outside ambient conditions with weather protection or construct them so they are suitable for outdoor installation.

D. Use only UL labeled products that comply with NEMA Standards. Electrical components and installation to meet all requirements of the Division 26 Specification Sections for this project.

1.6 OPERATING AND MAINTENANCE MANUALS

A. Furnish four (4) bound operating and maintenance manuals for review and approval to the Architect prior to substantial completion, performance testing, and training. Operation and maintenance instructions for the equipment and systems provided shall include the following:
1. Recommendations for frequency of service and preventative maintenance.
2. List indicating types and grades of oil and/or grease, packing materials, normal and abnormal tolerances for devices, and method of equipment adjustment.
3. A description of recommended replacement parts and materials which the owner should stock.
4. A summary of equipment vendors, or location where replacement parts can be purchased.
5. Manufacturer's literature indicating features, materials of construction, and operating limits of installed equipment. (Brochures giving brief descriptions of multiple pieces of control apparatus are not acceptable.)
6. A complete set of record control drawings.
7. Name, address, and telephone number of the person or office to contact for service during the warranty period.
8. Name, address, and telephone number of the person or service organization to be contacted for service after the warranty period.

1.7 TRAINING

A. Provide a minimum of 2 hours of training to the Owner concerning the proper operation and maintenance of all control systems and all sensing, monitoring, and control equipment. Training sessions shall be conducted during normal business hours, after system start-up and acceptance by the Owner.

B. Submit approved operating and maintenance manuals to the Owner a minimum of five (5) working days prior to training session. Use these manuals as the basis for instruction at all training sessions.

C. Video record the training sessions. Submit two copies of the training session recording to Owner prior to request for final payment.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. This work can be performed by any control contractor, electrical contractor, or mechanical contractor, given its limited scope.MATERIALS

2.2 CONTROL DAMPERS AND OPERATORS

A. Provide control dampers and operators shown on the plans and as required to perform the specified functions.

B. Use only factory fabricated dampers with replaceable resilient blade seals, stainless steel jamb seals and with entire assembly suitable for the maximum temperature and air velocities encountered in the system.

C. All dampers in stainless steel ductwork shall be constructed of stainless steel.

D. All dampers in aluminum ductwork shall be constructed of stainless steel or aluminum.

E. All dampers for shut-off or isolation service to be Class II leakage, not exceed 10 CFM/square foot at 1” water gauge, and 20 CFM/square foot at 4” water gauge, rated at 200°F.

F. Dampers used for mixing of airstreams to be parallel blade type, sized for air velocity of 1800 to 2000 fpm. Dampers used for throttling or modulating applications other than air stream mixing to be opposed blade type. Two position dampers may be parallel or opposed blade type.

G. Maximum damper width is 48 inches; where required width exceeds 48 inches, use multiple dampers. Inside frame free area shall be a minimum of 90% of total inside duct area. Rectangular dampers, 6" or more in a direction perpendicular to the axis, shall have multiple blades.

H. Size operators for smooth and positive operation of devices served, and with sufficient capacity to provide tight shutoff against system temperatures and pressure encountered. Use rolling diaphragm, piston type operators with adjustable stops. Equip operators with spring return for applications involving fire, freeze protection, moisture protection or specified normally open/closed operation.

I. Provide operators and pilot positioners with linkages and brackets for mounting on device served.

J. Control dampers to have 24v actuator.

2.3 DUCT SMOKE DETECTOR AND FIRE ALARM INTERFACE MODULES

A. Detectors with auxiliary contacts or fire alarm control modules will be provided by others and mounted in ductwork by Mechanical Contractor. Provide wiring, conduit, and necessary interface with fire alarm system to perform specified sequence of operation.

2.4 TIME CLOCKS

A. UL listed, digital, 7-day, minimum of 10 on/off programs per day, holiday programming, automatic daylight savings switchover, and minimum of seven-day battery back-up.

B. See schedules for equipment with timeclock operation & scheduling.

2.5 TEMPERATURE CONTROL PANELS

A. Constructed of steel or extruded aluminum, with hinged door, keyed lock, and baked enamel finish. Install controls, relays, transducers and automatic switches inside panels. Label devices and provide wiring/piping diagram within enclosure. Provide raceways for wiring and poly within panel for neat

appearance and to separate high and low voltage wiring. Provide termination blocks and fused disconnect for 120VAC power wiring. All cabinets shall be UL listed for line voltage applications.

B. Manual switches including damper "minimum-off" positioning switches, "summer-winter switches", "manual-automatic switches", dial thermometers, pressure gauges, and receiver indicating gauges shall be flush mounted in front door of panel. Clearly identify each item with engraved nameplates.

2.6 POWER SUPPLIES

A. Provide all required power supplies for transducers, sensors, transmitters and relays. All low voltage transformers shall have a resettable secondary circuit breaker.

PART 3 - EXECUTION

3.1 INSTALLATION

A. System installation shall be by trained mechanics employed by the control equipment manufacturer or an authorized representative of the manufacturer. Where installing contractor is an authorized representative of the control manufacturer, such authorization shall have been in effect for a period of no less than three years.

B. Install all control equipment, accessories, wiring, and piping in a neat and workmanlike manner. All control devices must be installed in accessible locations. All fin pipe radiation, convector, or cabinet unit heater valves shall have operators fully concealed behind the cover. Valves 2" and smaller shall be of the screwed type.

C. Provide all line and low voltage electrical relays and wiring for control systems, devices and components. Install all high voltage and low voltage wiring in metal conduit or EMT. All conduit and EMT must be installed in accordance with electrical sections (Division 26) of this specification and the National Electrical code.

D. Conduit may be a minimum of 1/2" for low voltage control provided the pipe fill does not exceed 40%.

E. Minimum low voltage wiring gauge to be 18 AWG for outputs and 20 AWG for inputs. All low voltage wiring is to be stranded.

F. Install "hand/off/auto" selector switches on systems where automatic interlock controls are specified and "hand/off/auto" selector switches are not supplied with the equipment controlled. Control panel power will not be required for “hand” switch to operate. When switch is in "hand" position, allow manual operation of the selected device without operating the interlocked motors but allowing all unit safety devices to stay in the circuit.

G. All electrical wiring is to be permanently tagged or labeled within one inch of terminal strip with a numbering system to correspond with the "Record Drawings."

H. After completion of installation, test and adjust control equipment. Submit data showing set points and final adjustments of controls.

3.2 CONTROL AND SMOKE DAMPERS

A. All control dampers furnished by the control manufacturer are to be installed by the Mechanical Contractor under the coordinating control and supervision of the Control Contractor in locations shown on plans or where required to provide specified sequence of control.

B. Coordinate installation with the sheetmetal installer to obtain smooth duct transitions where damper size is different than duct size. Blank off plates will not be accepted.

C. Provide pilot positioners for pneumatic operators serving all modulating outside air, return air, and relief air dampers, where more than one operator is controlled in sequence, or where required to provide sufficient power to the operator.

D. Each operator shall serve a maximum damper area of 36 square feet. Where larger dampers are used, provide multiple operators.

3.3 ROOM THERMOSTATS AND TEMPERATURE SENSORS

A. Check and verify location of thermostats, humidistats, and other exposed control sensors with plans, room details, and with owner before installation. Locate room thermostats 48 inches above floor in accordance with ADA requirements. Align with light switches and humidistats. For drywall installations, thermostat mounting shall use a back-box or plaster plate attached to a wall stud, drywall anchors are not acceptable. All setpoint adjustments shall be concealed, except in private offices or individually controlled areas, where the setpoints shall be adjusted, externally.

B. Any room thermostats or sensors mounted on an exterior wall shall be mounted on a thermally insulated sub-base. Subbase is to provide a minimum of one half inch of insulation.

C. Where thermostats or sensors are mounted on exterior walls or in any location where air transfer will affect the measured temperature or humidity, seal the conduit and any other opening that will affect the measurement.

D. Provide guards on thermostats in entrance hallways, other public areas, or in locations where thermostat is subject to physical damage.

E. Provide white or clear tape with black letters on each thermostat, indicating which piece of equipment the thermostat controls.

3.4 TEMPERATURE CONTROL PANELS

A. Mount control panels adjacent to associated equipment on vibration-free walls or freestanding angle iron supports. One cabinet may accommodate more than one system in same equipment room. Provide engraved plastic nameplates for instruments and controls inside cabinet and on cabinet face.

B. Power, low voltage technology, or pneumatic control work required for each panel shall be the responsibility of this section.

C. Provide as-built control drawings of all systems served by each local panel in a location adjacent to or inside of panel cover. Provide a protective cover or envelope for drawings.

3.5 SEQUENCES OF OPERATION

A. As indicated on the Drawings.
   1. The heating system circulating pumps piped in parallel shall start through a pressure electric switch to operate continuously whenever the outside temperature is below 65°F. Above 65°F outside the circulating pumps shall operate continuously only on a day cycle, or when the chilled water pump is operating, to provide reheat control for air conditioning. Provide a flow switch control across each pump to sound an alarm in the event that either pump fails.

3.6 TESTING, ADJUSTING AND BALANCING

A. This Contractor shall assist the Balancing Agency by completing all control work as follows:
   1. Verify that all control components are installed in accordance with project requirements and are functional.
   2. Verify that all controlling instruments are calibrated and set for design operating conditions.

3. Calibrate room thermostats after installation, and before the thermostat control verification tests are performed. The balancing agency shall provide the accuracy of final settings by taking temperature readings. The readings shall be in a typical conditioned space for each separately controlled zone.
4. Allow sufficient time in the project to provide assistance and instruction to the balancing agency in the proper use and setting of control components.

END OF SECTION

SECTION 27 00 00 (ADDENDUM #1)

COMMUNICATIONS (ALL)

1.1 PROJECT DESCRIPTION

1.1.1 The Premise Distribution System shall include the horizontal cables, the telecommunications outlets/connectors in the work area, Telecommunication Closet (hereafter referred to as the TC), patch cords located in the TC, patch cords located at the telecommunications outlet/connector in the work area.

1.1.2 Install owner provided 12U rack cabinet in utility room 108 (TC). Run conduits and cabling to rack cabinet as required. Include a 10' slack loop of cabling at ceiling above cabinet for relocation to future floor mounted rack. Install owner provided Cisco Meraki MX85 security appliance and MS130 switches into the rack cabinet. Terminate cabling as required.

1.1.3 Install owner provided Cisco Meraki MR36 wireless access points in locations indicated on the construction drawings. Terminate cabling as required. Include 6' Slack loop of cabling in ceiling above wireless access points.

1.1.4 Install owner provided Cisco Meraki MV93, MV63, MV32 and MV22 cameras and associated mounting hardware in camera locations indicated on the construction drawings. Coordinate camera type at each location with owner. Terminate cable as required. Include a 6' slack loop in the cabling within the ceiling at each camera location.

1.1.5 The horizontal cabling system is a star topology. Each work area telecommunications outlet/connector as shown in the drawings shall be connected to a patch panel in the TC.

1.1.6 The Telecommunications Closet is located in Utility Room 108

1.1.7 Separation of horizontal cabling pathways from typical sources of EMI shall be adhered to as per EIA/TIA standards.

1.1.8 Bridged taps and splices shall not be permitted as part of the horizontal cabling system.

1.1.9 The maximum horizontal distance shall be 90 m (295ft), for Category 6 cable. This cable length shall be from the mechanical termination of the media at the horizontal cross-connect in the telecommunications closet to the telecommunications outlet/connector in the work area.

1.1.10 All voice and data horizontal cabling for data jack, camera and access point locations shall be plenum four pair UTP cable with a white jacket, spec for Panduit's Category 6 system. There shall be no exceptions or alternatives accepted. Approved unshielded cable manufacturer for horizontal data cable: Panduit Part PUP6004WH-W (White Jacket) for Plenum.

1.1.11 Computer generated wire labels shall be used to label the patch panels and station location faceplates.

1.1.12 Computer generated Panduit Turn-Tell wire labels shall be installed on all newly installed cabling 2 to 4 inches from its termination point at both the TC and station outlet ends.

1.1.13 EIA/TIA 568B wiring code shall standardize all Category 6 data communications twisted pair wiring.

1.1.14 All horizontal cabling shall be physically supported in accordance with the latest revision of the EIA/TIA Category 6 standards.

1.1.15 All cabling shall be plenum rated.

1.1.16 Any furniture that must be moved, for the installation of the Premise Distribution System, is the responsibility of the contractor. The contractor shall see that any moved furniture shall be moved back into place after the installation is complete.

1.1.17 All work must be performed by a Panduit certified contractor.

1.1.18 The PDS shall include the Panduit 25 Year System Warranties.

1.2 STATION AREA COMMUNICATION OUTLETS

1.2.1 Faceplates – Panduit's mini-com classic series vertical faceplates: 4 port module space, Part CFP4IW.

1.2.2 Blank faceplate inserts – Panduit's mini-com blank module (color off-white), Part #CMBIW-X.

1.2.3 Data Jacks – Panduit's giga-channel mini-jack TX-6 modular jack (color black), Part #CJ688TGBL

1.3 CHILDCARE CENTER DATA DROPS

1.3.1 Terminate all Category 6 Data Jacks in a sequential order on the patch panels/swithes, starting from lowest and going to highest. Begin at the first open patch panel port.

1.3.2 Category 6 Data Jacks are required on the Telecommunications Closet Patch Panel – Panduit's giga-channel mini-jack TX-6 modular jack (color black), part #CJ688TGBL

1.3.3 Provide Data Drop consisting of three Category 6 cables to each location per the drawing. Leave 6' of slack in the ceiling.

1.3.4 For Data Drop locations – Use Panduit giga-channel mini jack TX-6 modular jacks (black) Part #CJ688TGBL. Use Panduit mini-com classic series vertical faceplates 4 module space, part #CFP4IW. Use Panduit blanks to fill in empty faceplate ports, Part #CMBIWX.

1.4 WORKMANSHIP

1.4.1 Acceptable workmanship is characterized by first quality appearance and function, conforming to all applicable standards of Copper and Fiber Optic construction, and exhibiting a high degree of quality and proficiency, which is judged by the Owner and Project Manager as equivalent or better than ordinary produced by a qualified industry tradesman.

1.4.2 The awarded bidder must be a Panduit PSC entity capable of providing the Customer with the warranty on Panduit's Copper and Fiber Optic System. The project shall be staffed at all times by Installers and Technicians who, in the role of lead craftspersons, will be able to provide leadership and technical resources for the remaining craftspersons on the project. A copy of the Panduit registered installers must be submitted in the awarded bidder's response to this RFB. The awarded bidder shall assign Panduit registered installers to this project.

1.4.3 Personnel shall not be used in the performance of the installation of material and equipment who in the opinion of the Owner and/or Project Manager, are deemed to be careless or unqualified to perform the assigned tasks. Material and equipment installations not in compliance with the contract documents, or installed with the substandard workmanship and not acceptable to the Owner and/or Project Manager, shall be removed and reinstalled by the qualified craftsman at no charge to the Owner and with no changes to the contract price.

1.5 A REFERENCE STANDARD

1.5.1	UL	Underwriter's Laboratories, Inc.
1.5.2	NEC	National Electric Code
1.5.3	NFPA	National Fire Protection Association
1.5.4	NEMA	National Electric Manufacturers Association
1.5.5	ASTM	American Society for Testing and Materials
1.5.6	IEEE	Institute of Electrical and Electronic Engineers
1.5.7	ANSI	American National Standards Institute, Inc.
1.5.8	BICSI	Building Industry Consultants Service International
1.5.9	EIA/TIA	Electronic / Telecommunications Industry Association

1.5.10 All Federal, State, County and City laws, codes and standards apply

1.5.11 All work shall be performed under the latest edition of the above standards, available at the time of bidding. All references to a PDS within the above standards shall be in effect as having been written within this contract document.

1.6 GENERAL CABLING PRACTICES

1.6.1 Wiring color codes shall be observed at all times and terminations shall be uniform throughout the PDS.

1.6.2 EIA/TIA 568B wiring code shall standardize all data communications twisted pair wiring.

1.6.3 Fire stopping shall be the responsibility of the awarded contractor. All penetrations of walls and/or floor spaces shall be fire stopped with the exact time rating as the wall and/or floor itself.

1.6.4 Refer and adhere to EIA/TIA 607 and the National Electric Code for all grounding.

1.7 CABLE AND SUPPORT ROUTING

1.7.1 Station cable and tie cables used in this PDS are to be installed per standard cabling practices. When ceiling space is used, cables shall be routed at right angles to electrical power circuits and a minimum of 12 feet from those circuits.

1.7.2 Use of ceiling tile grids or hanger wires for cable supports shall be prohibited. The contractor shall provide ceiling support hangers (j-hook style) for all cables. The ceiling support hangers (j-hook style) shall be 4 feet or less apart.

1.7.3 Vertical riser cables and bundles of horizontal cabling shall be properly secured to prevent slippage due to gravity. As a minimum requirement, cables shall be supported at their uppermost point and at each floor of vertical placement.

1.8 LABELING

1.8.1 All cables shall be labeled with Panduit Turn-Tell computer generated wire label ID numbers (2-4 inches above the termination) which follows the labeling standards of Outagamie County.

1.8.2 All jack locations shall have computer generated labeling easily identifying all communication outlets for that location.

1.8.3 All patch panels shall be labeled with a computer generated ID number, which follows the labeling standards of Outagamie County.

1.8.4 Data jacks shall be labeled as following. [Building Room Number] + [Next available Alphabet charater] + [Next available numeric number] For example: if room location 111A has three Category 6 cables then the label shall be 111A-1, 111A-2, 111A-3 with one blank in the 4 port module faceplate. The next location in room 111 would be 111B etc.

1.9 COPPER CABLING TESTING

1.9.1 Each Category 6 data outlet shall be verified to Category 6 compliance per most recent revision of EIA/TIA standard. All testing will be between the workstation outlet and patch panel port in the TC.

1.9.2 Documentation of the testing shall be required. The contractor shall provide an electronic copy of the test results, from the test unit used, to the Owner and Project Manager for approval. The report shall show all defective pairs not cleared and the defect and test results of all pairs listed. All Category 6 defects must be repaired or replaced at no additional cost to the Owner.

1.10 INSPECTION, ACCEPTANCE, AND TITLE

1.10.1 Inspection will be at destination and upon successful installation unless otherwise provided. Acceptance will be upon successful installation, and after the Customer receives the certificate of warranty (25 years) from Panduit. Title to/or risk of loss or damage to all items shall be the responsibility of the successful Vendor until acceptance by The Customer, unless loss or damage results from negligence by The Customer. If the materials or services supplied to The Customer are found to be defective or do not conform to the specifications, The Customer reserves the right to cancel the contract upon written notice to The Vendor and return products at The Vendor's expense, based upon the terms of the Contract.

1.11 WARRANTY

1.11.1 Materials and workmanship hereinafter specified and furnished shall be fully provided with Panduit 25 year System Warranties.

1.11.2 If the awarded bidder procures equipment or materials under the Contract, the awarded bidder shall obtain for the benefit of the Customer, equipment and material warranties against defects in materials and workmanship to the extent such warranties are reasonably obtainable.

END OF SECTION