



FEH DESIGN

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SUN PRAIRIE PUBLIC LIBRARY

SUN PRAIRIE, WISCONSIN

SCHEMATIC DESIGN BOOKLET

4 SEPTEMBER 2023

PROJECT DIRECTORY

Sun Prairie Public Library

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 Sun Prairie, WI 53115
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 Kevin Johnson – Owner’s Representative (FVM/Hunzinger)

FEH Design

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Authorization to Proceed

The undersigned representative for the Sun Prairie Public Library, acknowledges that the Schematic Design Documents, as compiled and attached hereto, have been received as complete and accurate, and authorize proceeding into the Design Development phase for the project.

Signature:

Date:



GOALS FOR SUCCESS

- Ensure that we serve the community needs for the next 20 years
- Grow with Sun Prairie socio- economic needs
- Improve infrastructure for comfort, aesthetics, safety, and security
- Tie core values to physical space to reflect culture
- Provide adequate space to support collections and programs
- Consider flexible indoor spaces
- Include outdoor spaces
- Include collaborative Makerspace with the Sun Prairie Media Center
- Include space for Foundation Executive Director
- Include storage space
- Remove barriers to serve all members of our community
- Provide more flexible and equitable access
- Enhance the drive up window to serve patrons
- Be good stewards of financial, environmental, and cultural sustainability
- Ensure the Library is an essential destination
- Promote and foster life-long learning and creativity
- Create an environment that continues to be comfortable
- Maintain current integrity of our “GEM” inside and outside
- Create opportunities for exposure to local and national art
- Facilitate communication using technology
- Provide broad and diverse collection access for the community

EXCERPT FROM SPACE NEEDS SUMMARY

SUN PRAIRIE PUBLIC LIBRARY SPACE NEEDS SUMMARY

	Sq.ft.
ENTRY ARCADE / ATRIUM	5,900
WELCOME + ORIENTATION	4,809
ADULT SERVICES -- "THE HUB"	1,288
ADULT SERVICES -- FICTION	5,262
ADULT SERVICES -- MEDIA	1,307
ADULT SERVICES -- NONFICTION.	5,703
ADULT SERVICES -- DIGITAL	1,485
MAKER SPACE	2,316
TEEN SERVICES	3,495
YOUTH SERVICES -- CENTRAL	4,251
YOUTH SERVICES -- PRESCHOOL.ZONE	5,023
YOUTH SERVICES -- GRADE SCHOOL.ZONE	3,417
MEETING ROOMS	3,366
STAFF -- ADMINISTRATION	704
STAFF -- TECHNICAL SERVICES	1,562
STAFF -- NETWORK SERVICES	754
STAFF -- MAINTENANCE	253
STAFF -- OTHER	1,210
FRIENDS OF THE.LIBRARY.	1,089
SUN PRAIRIE MEDIA CENTER (SP.MC).	2,807
DESIGNATED NONASSIGNABLE	2,502
Sum of all department totals.....	58,500
Nonassignable / mech @ 5% of gross	3,441
Nonassignable / other @ 10% of gross	6,882
GROSS AREA NEEDED.	68,823

v1.0	69,314	Renovate existing	36,100
v1.1	69,124	Addition	23,000
v1.2	68,513	Arcade / atrium	5,900
v1.3	68,823		65,000
		105%	68,250
		110%	71,500

EXCERPT FROM SPACE NEEDS SUMMARY

SUN PRAIRIE PUBLIC LIBRARY SPACE NEEDS SUMMARY

ENTRY ARCADE / ATRIUM	Sq.ft.
<i>Arcade / atrium</i>	
DEPARTMENT TOTAL	5,900

WELCOME + ORIENTATION	Sq.ft.
<i>Traffic dispersal</i>	390
<i>Customer service desk / greeter</i>	150
<i>Customer service desk / circulation + entry ("Ask" desk)</i>	450
<i>Self-service center</i>	590
<i>Interior walk-up materials return</i>	250
<i>Circulation department workroom w AMH</i>	1,155
<i>Circulation department storage room</i>	110
<i>Circulation department "ready room"</i>	120
<i>Drive-up materials return (roomlet)</i>	120
<i>Drive-up service window</i>	100
ASSIGNABLE SPACE IN DEPT	3,435
Nonassign allow (@ 10% of assign)	344
Allowance for entry vestibule / meeting lobby	250
Allowance for public restrooms	780
DEPARTMENT TOTAL	4,809

ADULT SERVICES -- "THE HUB"	Sq.ft.
<i>Customer service desk / adult</i>	441
<i>Adult services department workroom</i>	500
<i>Adult services department storage room</i>	110
<i>Adult services department "ready room"</i>	120
ASSIGNABLE SPACE IN DEPT	1,171
Nonassign allow (@ 10% of assign)	117
DEPARTMENT TOTAL	1,288

ADULT SERVICES -- FICTION	Sq.ft.
<i>Browsing / new books including fresh reads + seating</i>	616
<i>Browsing / magazines + newspapers + seating</i>	0
<i>Fiction collection + seating</i>	3,092

<i>Graphic novels collection</i>	177
<i>Large print collection + seating</i>	899
ASSIGNABLE SPACE IN DEPT	4,784
Nonassign allow (@ 10% of assign)	478
DEPARTMENT TOTAL	5,262

ADULT SERVICES -- MEDIA	Sq.ft.
<i>Browsing / new nonprint</i>	120
<i>Audio collection</i>	513
<i>Video collection</i>	555
ASSIGNABLE SPACE IN DEPT	1,188
Nonassign allow (@ 10% of assign)	119
DEPARTMENT TOTAL	1,307

ADULT SERVICES -- NONFICTION	Sq.ft.
<i>Nonfiction collection + seating</i>	3,360
<i>Local history collection + seating (Renk Room)</i>	1,165
<i>Quiet reading room / area</i>	0
<i>Small group study rooms</i>	660
ASSIGNABLE SPACE IN DEPT	5,185
Nonassign allow (@ 10% of assign)	518
DEPARTMENT TOTAL	5,703

ADULT SERVICES -- DIGITAL	Sq.ft.
<i>Technology hub</i>	1,020
<i>Business center</i>	330
ASSIGNABLE SPACE IN DEPT	1,350
Nonassign allow (@ 10% of assign)	135
DEPARTMENT TOTAL	1,485

MAKER SPACE	Sq.ft.
<i>Maker lab (room)</i>	1,920
<i>Maker lab storage room</i>	185
ASSIGNABLE SPACE IN DEPT	2,105
Nonassign allow (@ 10% of assign)	211
DEPARTMENT TOTAL	2,316

TEEN SERVICES	Sq.ft.
Customer service desk / teens	235
Teen tech zone	255
Teen collection + seating	2,237
Teen gaming zone	130
Teen small group study rooms	320
ASSIGNABLE SPACE IN DEPT	3,177
Nonassign allow (@ 10% of assign)	318
DEPARTMENT TOTAL	3,495

YOUTH SERVICES -- CENTRAL	Sq.ft.
Customer service desk / youth	670
Youth tech zone	730
Nonprint collection	576
Parenting collection + seating	116
Youth services dept workroom	1,160
Youth services dept storage room	220
Youth services department "ready room"	120
ASSIGNABLE SPACE IN DEPT	3,592
Nonassign allow (@ 10% of assign)	359
Allowance for children's restrooms	150
Allowance for caregiver's room	75
Allowance for sensory room	75
DEPARTMENT TOTAL	4,251

YOUTH SERVICES -- PRESCHOOL ZONE	Sq.ft.
Board books + seating	345
Picture books + seating	1,857
Readers + seating	454
Discovery zone	500
Children's program / storytime room	1,120
Storytime storage room	290
ASSIGNABLE SPACE IN DEPT	4,566
Nonassign allow (@ 10% of assign)	457
DEPARTMENT TOTAL	5,023

YOUTH SERVICES -- GRADE SCHOOL ZONE	Sq.ft.
Grade school fiction + seating	1,474
Grade school nonfiction + seating	1,292

Small group study rooms	340
ASSIGNABLE SPACE IN DEPT	3,106
Nonassign allow (@ 10% of assign)	311
DEPARTMENT TOTAL	3,417

MEETING ROOMS	Sq.ft.
Multi-purpose room	1,540
Kitchenette (room)	120
Table + chair storage room	200
Equipment storage room	120
Conference room	620
Multi-purpose room 2	460
ASSIGNABLE SPACE IN DEPT	3,060
Nonassign allow (@ 10% of assign)	306
DEPARTMENT TOTAL	3,366

STAFF -- ADMINISTRATION	Sq.ft.
Director's office	130
Foundation office	130
Administrative "ready room"	120
Friends office	0
Huddle room 1	120
Huddle room 2	0
Records archive (room)	140
ASSIGNABLE SPACE IN DEPT	640
Nonassign allow (@ 10% of assign)	64
DEPARTMENT TOTAL	704

STAFF -- TECHNICAL SERVICES	Sq.ft.
Technical services dept workroom	1,315
Technical services dept storage room	105
ASSIGNABLE SPACE IN DEPT	1,420
Nonassign allow (@ 10% of assign)	142
DEPARTMENT TOTAL	1,562

STAFF -- NETWORK SERVICES	Sq.ft.
Network services dept workroom	280
Network services dept storage room	165

Server farm (room)	120
Network closet (roomlet)	120
ASSIGNABLE SPACE IN DEPT	685
Nonassign allow (@ 10% of assign)	69
DEPARTMENT TOTAL	754

STAFF -- MAINTENANCE	Sq.ft.
Maintenance office	0
Maintenance office + shop (room)	230
ASSIGNABLE SPACE IN DEPT	230
Nonassign allow (@ 10% of assign)	23
DEPARTMENT TOTAL	253

STAFF -- OTHER	Sq.ft.
Staff copy center (room)	230
Staff mail room	200
Staff break room	465
ASSIGNABLE SPACE IN DEPT	895
Nonassign allow (@ 10% of assign)	90
Allowance for staff wellness room	75
Allowance for staff restrooms	150
DEPARTMENT TOTAL	1,210

FRIENDS OF THE LIBRARY	Sq.ft.
Read Before Book Store	600
Move Friends office here?	0
Friends receiving and sorting (room)	390
ASSIGNABLE SPACE IN DEPT	990
Nonassign allow (@ 10% of assign)	99
DEPARTMENT TOTAL	1,089

SUN PRAIRIE MEDIA CENTER (SPMC)	Sq.ft.
Reception	150
SPMC Director's office	90
Staff work space	360
Technology room	120
Radio studio (room)	90
Large studio (room)	865

Control room 1	95
Small studio (room)	360
Control room 2	95
Storage room	190
ASSIGNABLE SPACE IN DEPT	2,415
Nonassign allow (@ 10% of assign)	242
Allowance for SPMC restroom	150
DEPARTMENT TOTAL	2,807

DESIGNATED NONASSIGNABLE	Sq.ft.
Receiving & delivery (room)	460
Staff entry (room)	100
Storage room -- general supplies and misc.	240
Storage room -- office supplies	120
Storage room -- maintenance supplies	180
Recycling center (room)	120
Groundskeeping equipment room	300
Janitor's closet (room)	300
ASSIGNABLE SPACE IN DEPT	1,820
Nonassign allow (@ 10% of assign)	182
Allowance for garage	500
DEPARTMENT TOTAL	2,502
Sum of all department totals	58,500
Nonassign / mech @ 5% of gross	3,441
Nonassign / other @ 10% of gross	6,882
GROSS AREA NEEDED	68,823

ARCHITECTURAL NARRATIVE

Architectural Existing Conditions

The 1998 Sun Prairie Public Library is one story, slab on grade 35,692 GSF building comprised of metal stud framing with masonry veneer in brick, stone, and limestone. Continuous gable roof forms intersect to create an open, vaulted interior aesthetic with low-slope roof quadrants to house mechanical equipment. Porches are located on the west and east ends of the building. A portion of the building's northeast corner is occupied by the Sun Prairie Media Center; this is an acoustically separated space.

The exterior of the building is primarily constructed of brick, stone, and limestone veneers. The main entrance is on-grade centered on the south façade. Entrances on the west and east are provided for staff and the media center, respectively.

The existing roof is a mix of forms and materials. The gables are asphalt shingles, cement tile roofing, copper standing seam roofing, with copper flashing and stone copings. The low slope roof quadrants that house mechanical equipment are covered with black EPDM roof membrane.

The porches provided on the west and east sides of the building have cedar siding and a cedar-trimmed fascia.

Proposed Addition and Renovation

The proposed building addition is 22,085 square feet on one level, to the east of the existing building. A 2,830 SF atrium along a portion of the north face of the existing building and addition will provide a lobby and pre-function space. The atrium will also provide a connection from the expanded, east parking lot to the library entrance. The building addition extends approximately 155-feet from the east face of the existing building.

The addition will house the youth services, teen, and makerspace elements. The existing building will house the adult collection, large meeting room space, and the majority of the staff spaces. The Read Before Book Store will remain in its original location with additional space and expanded beverage offerings. The current library entrance will remain, and the main staff 'ask' desk will be located at the N/S and E/W gable ceiling intersection. This will allow for ease of supervision, wayfinding, and a visual connection between the three primary staff points. The existing staff entrance will be reworked to provide ease of use for patrons utilizing the book drop / pick up windows and safety for staff. The west porch will be removed and a carport for a library vehicle will be provided.

The adult collection will have expanded shelving, more diverse seating options, study rooms of different sizes, and a dedicated computer area with a staff desk that has visibility to the ask desk.

The Renk Room will be retained as a quiet reading space with expanded functionality to include small meetings.

The makerspace will be adjacent to and accessible by the Sun Prairie Media Center. The makerspace will house a video recording studio, a voice recording studio, digital editing computers on the north portion. The south of the room will have tables and seating for crafts, education, and making. A portable kitchen will also be provided in this space.

The youth area will have access to an outdoor patio space, a dedicated program room, expanded collection space, and a variety of seating and technology options for kids and parents. The youth service desk and staff space will be located at the east-most point of the E/W building axis.

The teens will have a dedicated, enclosed space for gathering, gaming, and reading. This will be accessed from the youth space. An exterior door to the patio will be provided from the teen space.

The existing building will receive new finishes (carpet, ceiling tile, paint) but will remain intact. The addition will have a complementary feel to the existing, but not replicate the original building.

An outdoor amphitheater will be constructed in the southeast corner of the addition, with access from the expanded parking lot and the building addition. The amphitheater will have an open air bandshell. A toilet room will be provided off the patio.

Building code updates will be made to the overall building as part of the expansion. Fire separations and exiting will be updated; the addition will be separated from the existing building by a 1-hour fire separation. Accessibility items will be replaced and upgraded where appropriate.

A priority has been set for LEED Gold building certification. This will be accomplished through selection of materials, finishes, and reuse of elements (where applicable). The project will also incorporate construction waste management strategies. Daylighting, user comfort, and efficient building systems will be part of the overall design.

STRUCTURAL NARRATIVE

Proposed Structural System

The new library addition will be a one-story, steel brace framed structure, constructed off of the east elevation of the existing public library. The roof framing will be metal deck supported by open web steel joists and steel beam framing at steel tube column lines. Exterior walls will be steel frame with non-load bearing exterior cold formed infill stud and a masonry veneer. The structural frame will be supported on piers and isolated spread footings at steel tube columns, and on continuous concrete stem-walls with continuous spread footings at exterior walls.

There will be a separate amphitheater structure to the southeast of the addition that is to be constructed from steel tube columns supporting glulam beams and a tongue and groove decking system. Steel columns will bear on isolated footings on piers down past frost.

Typical first story floor will be slab on grade over prepared sub-base, reinforced with synthetic macro-fibers.

Lateral resistance will be achieved using steel braced frames located in select walls throughout the building.

Subgrade below footings and slab will be prepared as recommended by the geotechnical engineer.

SITE NARRATIVE

Existing Site

The existing site consists of two lots both owned by the City of Sun Prairie. Both lots combine for over 14 acres of area. The site is bound by residential to the west and north, Linnerud Drive to the south and vacant land to the east that is a community garden. Mature trees line Linnerud Drive with established native prairie in front of the library.

Proposed Site

The proposed site will consist of the existing 7.1 acres and adjacent land to the east to accommodate the building expansion and the new parking lot. The existing drive lane will be widened for easier access. An outside patio will be located on the east side of the building with a new amphitheater in the southeast corner. Sidewalks, drop off areas, and pathways have been integrated into the site.

Utilities

Information from the MEP designers have indicated that the existing water can be utilized for fire protection and domestic service. The new building addition will be served by a new sanitary sewer lateral that will need to be extended from within the Linnerud roadway. Storm sewer will be provided throughout the exterior patios and parking lot to direct the stormwater to the east to the bioretention area.

Stormwater Management

Stormwater Management will be provided by a large bioretention area located to the east of the parking lot and building expansion. The bioretention area will utilize infiltration and native plantings to treat the stormwater. This will complement the existing scheme of the native prairie that the library has on display on the grounds today. The pond will discharge to the existing drainage ditch where the water currently goes.

Landscaping

Landscape space will include an updated entry plaza at the northern portion of the building that unites the existing entrance with the new proposed (east) entrance. The entry plaza will include gentle curves that lead visitors to the east patio space. A sidewalk along the east of the building will include a "story walk" that runs south into the proposed amphitheater space. The amphitheater will be surrounded by taller evergreens to provide shade and comfort for daytime activities. A walk along Linnerud drive will be revised to pass near the existing art sculpture on the south side of the library and connect to the lower and upper amphitheater space. The route will be fully ADA compliant. Updated landscaping will include native prairie areas with savannah prairie types of trees at the south and eastern portions of the site.

ENGINEERING SYSTEMS NARRATIVE

INTRODUCTION

The fundamental goal for the mechanical and electrical systems within this project is to provide system infrastructure that will support the libraries' project goals. The design goal for the project will be to provide a safe, comfortable environment for the users while promoting energy efficiency and maintaining flexibility of systems to accommodate future modifications. The energy goals for the project include steps towards an all-electric building with a minimum goal of achieving LEED Gold status.

MECHANICAL AND PLUMBING SYSTEMS

Fire Protection

The existing building sprinkler system will remain in service. The 6" combined domestic water and sprinkler service entrance shall be existing to remain. Per the 2018 facility assessment, the existing system is a dry-type system with an operational compressor, concealed heads, and exposed pendant heads. The issues with below-freezing conditions will be mitigated by the removal of the porches in the renovation. The existing dry-type sprinkler system shall be extended to serve the new addition. New dry-type concealed and exposed pendant heads shall be installed throughout the new addition. The existing compressor size shall be assessed to determine if a larger compressor size is needed to serve the addition. The building does not meet the height requirements to necessitate a standpipe system and it is not anticipated that a fire pump will be necessary. The existing fire department connection shall be existing to remain.

Heating, Ventilation and Air Conditioning (HVAC) & Indoor Air Quality Design Criteria

Heating, cooling, ventilation, and humidification/dehumidification load calculations will be based on the parameters listed below:

- Exterior design conditions:
 - Summer: 92 F dry bulb, 76 F wet bulb
 - Winter: -20 deg F dry bulb
- Interior design conditions:
 - Summer: 75 F dry bulb, +/- 3 F, 50% relative humidity, +/- 5%
 - Winter: 70 F dry bulb, +/- 3 F, 30% relative humidity, +/- 5%
- Outdoor air flow will be provided in accordance with ventilation as required per ASHRAE 62.1-2016.

- Internal Loads:
 - Lighting
 - 1.20W/sf for library stacks
 - 0.93W/sf for offices
 - 0.82W/sf for reading areas
 - 1.07 W/sf for conference room
 - People
 - 245 Btu per hour sensible; 155 Btu per hour latent

Air Handling and Distribution Systems

Two new penthouses will be constructed to house central air handling units to serve the collections spaces, offices, and meeting rooms. The east penthouse will house two approximately 20,000 cfm air handling units to serve the northeast and southeast quadrants of the existing building and the addition. The west penthouse will house one approximately 20,000 cfm air handling unit to serve the southwest collections area of the existing building and the staff area. Each air handling unit will consist of a supply fan, hydronic heating and cooling coils, and a return fan.

A total energy recovery unit will be located in the east penthouse to supply fresh air to the two east penthouse air handling units and exhaust air from the restrooms and janitor's closets, providing additional efficiency. The air leaving the ERU will be tempered but not temperature neutral, as it will be further conditioned at each AHU. Humidity control will be provided at the air handling units to modulate overall building humidity and enhance occupant comfort. Each AHU will also be equipped with economizer mode to bring in higher outdoor air volumes for increased efficiency.

New ductwork will be provided for both the existing building and the new addition. Variable air volume terminal units with hot water reheat coils will provide additional zone control and occupant thermal comfort. Offices and study rooms will be zoned separately from higher occupancy spaces. Collections areas will have separate zone controls for the perimeter reading areas and the center stacks areas.

Hydronic Systems

New high-efficiency, gas-fired hot water boilers, along with heating hot water circulating pumps and all required accessories will be provided. The boilers will supply hot water to the VAV reheat coils, the air handling unit coils, and perimeter heating. It is anticipated that hot water cabinet unit heaters will be provided for building entry vestibules and receiving areas. Perimeter heating in the form of finned tube or radiant ceiling panels will be provided in the front lobby and “atrium” space to offset the higher envelope load from the windows. The existing boilers and underslab radiant heating system in the existing building shall be demolished. The underslab heating piping shall be removed or abandoned underslab.

New air-cooled chillers, along with chilled water pumps and all required accessories, will supply chilled water to the air handling unit coils and fan coil units for server rooms.

The central plant will be sized for N + 1 redundancy to allow continual building operation in the event of a component failure.

The hydronic system will be set up such that a future project could be completed to install a ground-source geothermal system and replace the gas-fired boilers and air-cooled chillers with modular water-to-water heat pump chillers to provide the hot and chilled water to the existing building systems. This future central-plant conversion would allow the building to be net-zero ready.

Building Automation System

A Direct Digital Control building automation system will be provided for control of all new mechanical system components and act as a central hub for water and electrical energy meters. Each zone or area will have individual control and will be addressable at the controller.

It is anticipated that demand control ventilation with CO2 sensors will be provided for the youth program room, collections areas, community room, and other high occupancy spaces. Occupancy control of the heating, cooling and air conditioning systems will be further developed as design progresses.

The community room controls will be tied into the battery storage system to allow continual operation of ventilation to the community room in the event of a power outage.

Testing and Balancing and Third-Party Commissioning

All new systems will be completely tested and balanced and undergo an HVAC Commissioning process prior to being placed into service.

Phasing

The existing building rooftop units will remain in service during the construction of the addition. The central plant for chilled and hot water will be installed in the mechanical room in the new addition. The air handling units for the new addition will be operational before the existing rooftop units and boilers are removed from service.

LEED

The prerequisite LEED items, including Commissioning and Verification, Minimum Energy Performance, Building-Level Energy Metering, Fundamental Refrigerant Management, and Minimum Indoor Air Quality Performance will be completed. Other credits such as renewable energy, thermal comfort, and indoor air quality assessment will be completed as part of the design to achieve LEED Gold. A solar energy analysis will be conducted to determine the potential renewable energy offset available from rooftop solar panel installation.

Plumbing Systems

The 6” combined domestic water and sprinkler service entrance in the existing building shall be existing to remain. The domestic water supply mains in the existing building are in good condition and shall be increased as required to extend to serve the new addition. The meter size shall be increased to accommodate the added capacity. The water softener for the existing building is past its life expectancy and shall be replaced with a larger water softener to supply softened water to the water heater. The existing building water heater shall be replaced with a high efficiency electric resistance tank style water heater to supply the entire building with hot water. A system of hot water recirculating piping and a pump will be provided to ensure continuous availability of hot water during occupied hours.

Electric water coolers in the existing building are past their useful life and shall be replaced. Existing plumbing fixtures are in good condition per the 2018 facility assessment and shall be existing to remain. New plumbing fixtures shall be added where programming has changed.

The new plumbing fixtures in both the existing building and the addition will be low flow to conserve water. Building water use reduction for LEED will be accomplished through low consumption water closet, urinal, and sink fixtures. It is anticipated that these fixtures will meet the LEED prerequisites, but will not generate enough water savings to qualify for additional credits.

A new gas service shall be brought to the new addition to serve the new boilers. After the existing roof top units and existing boilers have been taken out of service, the existing building gas meter and piping shall be demolished.

The storm system for the existing building is in good condition and shall be existing to remain. Roof drains and storm piping will be provided to serve the new addition. It is anticipated that a separate overflow roof drain system will also be provided that will daylight to splash pads located on grade.

The sanitary system for the existing building is in good condition and shall be existing to remain. A new sanitary main shall be provided to serve the fixtures within the new addition.

ELECTRICAL SYSTEMS

Power and Emergency Power Requirements

The existing utility source supplying the 208y/120V, 3 phase, 1200A electrical service will be removed along with the existing utility transformer. The existing main switchboard will be removed. A new 480y/277V, 3 phase service will be approximately 1200A and will provide power to all motors, HVAC equipment, and general lighting throughout the building and the site. The revision to 480V service voltage is primarily to benefit the microgrid connected sources. A new utility transformer will be provided on site which will require new metering.

The electrical service will be configured as a microgrid system integrating utility, photovoltaic and battery energy storage systems. The system will be capable of islanding with the electrical distribution system configured into three tiers of load classifications to allow for shedding strategies to maximize battery runtime. Tier 1 (No Shed) loads will include those essential to grid resiliency and community operations. Tier 2 loads will include those which may be shed to preserve Tier 1 battery supply. Tier 3 loads will be considered non-essential and will be the first to be shed as the battery supply is diminished.

The battery energy storage system (BESS) will be AC connected and located outdoors. The system will be configured to provide peak demand power shaving along with building power when utility sources are unavailable. The BESS will be approximately 50kW and 128kWH rated. The initial sizing will provide up to 4 hours of energy for the total building or 24 hours of energy with Tier 1 loads only.

The photovoltaic (PV) system will be AC connected with PV modules located on the roof of the building addition. The system will be configured to supply the microgrid in both grid connected and islanding modes. The PV system will be approximately 125kW consisting of 275 modules at 450W each.

The main service disconnecting means will be in a microgrid switchboard which serves as a common bus with controllable OCPD for interconnecting sources and loads. Additional coordination is required with Sun Prairie Utilities to determine if the utility main breaker, PV interconnection disconnect and BESS interconnection disconnect will be required to be located on the exterior of the building.

This switchboard will contain the required GFCI protection and arc fault energy reduction controls. The switchboard will have copper bussing, a surge protection device, breakers to feed downstream panels and additional space and spare breakers.

The microgrid control system will be accessible remotely through web-based interface as well as HMI touch screen on microgrid switchboard. The control system will integrate data associated with energy supply and building load. Variables set in the system will determine energy strategies related to peak demand shavings along with battery usage in islanding mode. The microgrid control system will include bi-directional communications with HVAC building automation and lighting control systems.

Distribution panel boards at 480V/3 will be installed in electrical rooms to provide power to all HVAC equipment. In addition, branch circuit panel boards will be installed for all lighting circuits to be served at 277V. A 480:208V transformer will be installed in the main electrical service room to provide power to the 208V distribution system in the building.

The 208V/3 phase distribution in the building will be approximately 1200A and will provide power to all branch circuit panels.

Branch circuit panel boards, at 208V/3, will be installed throughout the facility to feed branch circuits. Panels for offices, corridors, classrooms, and restrooms will be installed in secure areas.

All branch circuits will be monitored and metered with demand information supplied to the energy management system.

An arc flash study and coordination study will be required by the electrical contractor and all labeling of key distribution equipment will be provided by the contractor. Adjustment of breaker settings will be performed by the contractor as specified in the completed study.

Emergency power to egress lighting will be supplied from centralized 3 phase battery inverters. The inverters will be interlocked with the energy management system to supply connected lighting loads when utility power is unavailable.

Electric vehicle charging stations will be provided in the parking lot. They will be connected to the building electrical distribution system and managed by the City/Library. They will be Level 2 type with all required software to manage charging rates and billing. Control of the EVC will be integrated into the building energy management system.

Lighting

Lighting will be installed to achieve lighting levels in accordance with the requirements of IESNA foot candle levels and ASHRAE Watts/sf for libraries buildings. However, an overall building wide reduction of 30% better than permitted will be attempted.

All lighting will utilize LED sources and be dimmable.

Basis-of-Design Lighting Strategies:

- Stack Areas – Suspended direct/indirect lighting
- North addition, Pre-Function Space – Mixture of recessed and suspended architectural lighting to support architectural features.
- Conference & Study Rooms - Suspended direct/indirect lighting
- Youth Program Room – Mixture of recessed and suspended architectural lighting to support fun interior concept.
- Makerspace – Recessed direct lighting
- Single and Multi-Occupant Offices, Staff Workrooms – Recessed direct lighting
- Storage, Mechanical, Custodial and similar back-of-house areas – Lensed strip lighting
- Restrooms – Recessed direct lighting with wall mounted vanity lighting

All lighting within the existing library will be replaced. Custom lighting elements within the entry and high ceiling areas may remain with new LED retrofit to improve performance.

Where possible, a combination of occupancy and vacancy sensors will be used to automatically control lighting. Open stack areas and similar spaces will be controlled with a time-based system.

The lighting control system will be integrated into the building energy management system. During periods of peak demand or during islanding mode, lighting may be automatically dimmed to reduce demand on the BESS.

Exterior lighting will be provided at all doors along with architectural lighting on the building. The Amphitheater lighting is TBD. If required, exterior grade performance lighting will be provided with dedicated controls. Parking lot lighting will be replaced and expanding into new parking areas. All exterior lighting will be controlled by an astronomical timeclock as part of the lighting control system.

Emergency Lighting

Emergency and egress lighting will be provided through an emergency lighting inverter and connected to a branch circuit panel. Emergency lighting will be located along paths of egress and areas requiring exit access. Exit signs will be provided per code and supplied with integral batteries.

At exterior egress locations, an exterior mounted fixture will be located above door height to illuminate path of egress to a safe distance from building.

ELECTRONICS SAFETY AND SECURITY

Fire Alarm

The renovation and addition will require a new fire alarm system throughout the facility. The new system will be an Emergency Voice/Alarm type. Initiation and signaling devices will be installed as required by the building code. The system will be interfaced with the fire suppression system. The existing fire alarm system will be removed. System monitoring will be revised to cellular with IP backup.

Security

It is anticipated that an intrusion detection system and video surveillance system will be required throughout the facility. These systems can be an expansion of any existing standards the City has for other City owned properties. Cameras will be network POE type with network connected video recording system / storage. Video management software will be installed on a local machine for library staff use.

Updated RFID detection gates will be provided at the main library entrance as part of the project.

Access Control

The Access Control System will be provided at doors requested by the Owner. The system will be an extension of any City standard systems. It is anticipated that the access control system components will be installed within the telecommunications network rooms.

VOICE, DATA, AND AUDIO/VIDEO SYSTEMS

Structured Cabling

The existing telecommunications room will remain and serve as the main point of distribution (MDF). Intermediate (IDF) telecommunications rooms will be provided in the addition at locations required to supply network cabling to all parts of the building. Backbone fiber optic cabling will be provided between MDF and IDF. All rooms will be provided with telecommunications racks and will be designed in accordance with ANSI standards.

Primary and secondary pathways will be installed per City and South Central Library System standards. Primary pathways are generally 4" conduit sleeves and 12"x4" wire basket in accessible ceiling space or visible in corridors, secondary pathways are minimum 3/4" conduit from the work area outlet to the cable tray (dedicated, no daisy chaining outlets or "teeing" conduits). Primary pathways are for carrying backbone, structured cabling to work area outlets, access control and

video surveillance cabling throughout the building. Secondary pathways are for taking individual systems cabling from primary pathway to either the work area outlet or the appropriate field device.

Voice and data services cabling shall be ANSI TIA Cat 6 cable, in a patch panel environment by approved certified installers only. Underground pathways will not be provided in the addition. All fire rated penetrations will be conduit sleeves with EZ-Path system sealants.

Telecommunications grounding and bonding will be provided per ANSI standards.

Paging

A new paging system will be provided throughout the existing building and addition. The system will be interfaced with the telephone system. Speakers will be ceiling flush mount type with cabling routed free-air above accessible ceilings. The system will be either network/IP type or traditional 70V.

Audio Visual

Audio Visual systems will be determined during design development phase. Generally speaking, the library will consist of:

- Large Meeting Room – A complete divide-combine system with network-based electronics and integration control system.
- Large Conference Rooms – A complete standalone system with local electronics and integration control system.
- Study Rooms – A complete standalone system with local electronics.
- Children's Program Room – A complete standalone system with local electronics.
- Maker Space – A complete standalone system with local electronics.
- Digital Signage – A complete network-based system with displays located throughout the library.

BUDGET OPINION

OPINION OF PROBABLE COST

Project Number: 2023402
Phase: Schematic Design

Owner: City of Sun Prairie
Project: Sun Prairie Public Library

Date: 8/29/23
Estimator: KE

Updated
Schematic Design 8/29/2023 Conceptual Design 12/8/2021



DESCRIPTION	QTY	UNIT	COST/SF	TOTALS	TOTALS
Building Construction Costs:					
1 GENERAL REQUIREMENTS 8%, Overhead 5%, PROFIT 5%	1	LS		2,443,617	2,001,751
2 SITEWORK & UTILITIES & LANDSCAPING	1	LS		1,253,920	1,355,000
3 SELECTIVE DEMOLITION	1	LS		86,400	72,000
4 SUBSTRUCTURE	1	LS		474,946	395,955
5 SUPERSTRUCTURE	1	LS		1,307,510	795,000
6 EXTERIOR ENCLOSURE	1	LS		1,156,483	830,205
7 ROOFING	1	LS		791,070	550,000
8 INTERIOR CONSTRUCTION	1	LS		1,493,771	1,040,870
9 SPECIALTIES AND EQUIPMENT	1	LS		142,350	125,024
10 CONVEYING SYSTEMS	1	LS		0	0
11 FIRE PROTECTION	1	LS		137,300	120,000
12 PLUMBING	1	LS		243,400	225,000
13 MECHANICAL HVAC	1	LS		3,398,600	2,088,850
14 ELECTRICAL, MICROGRID, PHOTOVOLTAIC	1	LS		2,524,300	1,942,550
15 SECURITY	1	LS		200,000	123,200
16 VOICE, DATA, SPECIAL SYSTEMS & TELECOMMUNICATIONS	1	LS		370,200	345,100
SubTotal				16,023,866	12,010,505
					Microgrid Alternate with Overhead and Profit
					13,780,805
					14,607,654
					15,045,883
					1,504,588
				1,602,387	
				Building Construction Costs SubTotal	17,626,252
				Construction Contingency 5%	881,313
				BUILDING CONSTRUCTION COST TOTAL	\$18,507,565
					\$17,377,995

Soft Costs:					
40.40 Hazard Material survey, sample, test	0	LS	3,500.00	0	0
40.50 Hazardous material abatement	0	SF	4.00	0	0
40.60 Legal Fees	1	LS	10,000.00	10,000	10,000
40.70 Ownership and Deconstruction Insurance	1	LS	5,000.00	5,000	0
40.80 Phase 1 Environmental Study	1	LS	5,000.00	5,000	0
40.90 Phase 1 Archeological Study	1	LS	5,000.00	5,000	0
40.10 Final Equipment and Utility connections on site	1	LS	5,000.00	5,000	0
41.00 Professional Fees: Civil Engineering	1	LS	87,000.00	87,000	62,987
41.01 Professional Fees: Landscape Architecture	1	LS	17,000.00	17,000	25,195
41.02 Professional Fees: Programming	1	LS	30,000.00	30,000	30,000
41.03 Professional Fees: MEP Engineering	1	LS	370,000.00	370,000	314,935
41.04 Professional Fees: Data, security, access control audio	1	LS	20,000.00	20,000	29,520
41.05 Professional Fees: PV Design	1	LS	12,000.00	12,000	0
41.06 Professional Fees: Architecture/Interior Design	1	LS	720,030.00	720,030	730,655
41.07 Professional Fees: Structural Engineering	1	LS	143,970.00	143,970	125,974
41.30 Design Team Reimbursable Expenses	1	LS	18,000.00	18,000	18,000
41.40 Fundraising Feasibility Study	1	LS	0.00	0	0
41.50 Sustainability Design Fees	1	LS	50,000.00	50,000	50,000
41.60 Owner's rep/Construction Management Services (Design and Construction)	1	LS	400,000.00	400,000	719,850
41.60 Commissioning	1	LS	30,000.00	30,000	30,000
41.80 LEED certification fees from USGBC	1	LS	12,000.00	12,000	12,000
41.10 Furnishings Design, selection, bidding Fees,	1	LS	150,000.00	150,000	159,016
41.11 Geo Thermal Test Well	1	LS	12,000	12,000	12,000
41.12 Topographical Site Survey \$6k, CSM Certified Survey Map \$5k	1	LS	11,000.00	11,000	6,500
41.13 Geotechnical subsurface investigation;	1	LS	5,200.00	5,200	7,500
41.14 Quality Control Material Testing & Inspections	1	LS	30,000.00	30,000	30,000
42.00 Printing, shipping, & plan room Costs for Construction Documents	1	LS	11,000.00	11,000	11,000
43.00 State Construction documents review Fees	1	LS	10,000.00	10,000	0
44.00 City Plan Review Permits and Fees	1	LS	10,000.00	10,000	10,000
45.00 Builders Risk Insurance	1	LS	7,000.00	7,000	7,000
46.00 Construction Utility costs by Owner	1	LS	10,000.00	10,000	10,000
47.00 Fixtures, Furnishings, blinds, & Equip Allowance \$28/SF new	24,915	SF	28.00	697,620	711,200
47.00 Fixtures, Furnishings, blinds, & Equip Allowance \$14/SF Existing	36,143	SF	14.00	506,002	512,000
47.10 Appliances: fridge, coffee maker, ice maker, cooler	10	EA	750.00	7,500	0
48.00 Technology & Computer Equipment Allowance, (less use of existing)	22,085	SF	13.50	298,148	369,000
51.00 Moving costs for multiple phases of construction	1	LS	50,000.00	50,000	40,000
52.00 Ground breaking and dedication ceremonies	1	LS	3,000.00	3,000	3,000
53.00 Fundraising Consult anting & grant writing	1	LS	0.00	0	0
54.00 Soft Costs Contingency	1	LS	150,000.00	150,000	0
Soft Cost SubTotal				3,908,470	4,047,332
With 10% 2022 Inflation					4,452,065
With 6% 2023 Inflation					4,719,189
With 3% 2024 Inflation					4,860,765
				Building Construction Cost Total	18,507,565
					\$22,416,034
					\$22,238,760

Updated Budget is based on the following UPDATED Schematic Design Drawings (Site and Architectural Plans and Elevations dated 8/29/2023) which includes:

- Addition Size Reduction
- Reduced Parking Lot Expansion
- Reduced Sidewalk / Paving
- Cap of \$200,000 for Amphitheater Structure and Lighting
- Elimination of Second Drive Lane
- Reduction in Size of Atrium
- Community Room Atrium Access

Optional Alternates

- | | |
|--|------------------|
| 1. Bird Safety Glazing | \$ 360,000.00 |
| 2. Geothermal Building System (System and Design Fees) if test well passes | \$ 1,100,000.00 |
| 3. Net Zero Building | To Be Determined |
| 4. Eliminate Atrium Beyond Reduced Size Shown | \$ (700,000.00) |

Previous, conceptual budget of \$19,988,281 excluded the following options:

- Microgrid
- Energy Efficiency Extents
- Owner's Rep Services
- Full building mechanical upgrades

These have been added to the project scope as part of the schematic design discussions.

Conceptual design included 3% inflation per year. Actual inflation in 2022 was 10%, 2023 is 6%, and 2024 is anticipated at 3%.

PROJECT TIMELINE

SPPL PROJECT TIMELINE



Board meetings second Thursday of the month

ACTIVITY	START	NOTES
Client Project Kickoff Meeting Start	4/12/2023	
Program meeting	4/26/2023	9am
Program meeting	5/8/2023	9am
Schematic Design (3 months)	5/16/2023	
Core Planning Meeting	5/25/2023	12-2PM
Finalize programming/space planning	6/8/2023	Library Board Meeting @ 6PM
Core Planning Meeting	6/8/2023	12-2PM
Core Planning Meeting	6/22/2023	12-2PM - Review Amphitheater Layout
Core Planning Meeting	7/6/2023	12-2PM
Core Planning Meeting	7/20/2023	12-2PM
Staff Meeting	7/24/2023	1PM
Staff Meeting	7/27/2023	9AM
Core Planning Meeting	8/3/2023	12-2PM VIRTUAL
Internal Quality Review	8/3/2023	
Schematic Design Complete	8/10/2023	Amphitheater and Maker's space layout for fundraising / Library Board Meeting @ 6PM
Design Development Start	8/11/2023	
Core Planning Meeting	8/17/2023	12-2PM
Core Planning Meeting	8/31/2023	12-2PM
Special Library Board Meeting	8/31/2023	6PM
Special Committee of the Whole Meeting	9/12/2023	5:30PM
Core Planning Meeting	9/14/2023	12-2PM
Core Planning Meeting	9/28/2023	12-2PM
Core Planning Meeting	10/12/2023	12-2PM
Core Planning Meeting	10/26/2023	12-2 PM
Core Planning Meeting	11/2/2023	12-2PM VIRTUAL
Internal Quality Review	11/2/2023	
Design Development Complete	11/9/2023	Library Board Meeting @ 6PM
Contract Documents Start	11/9/2023	12-2PM

ACTIVITY	START	NOTES
Core Planning Meeting - As Needed	11/23/2023	12-2PM
Core Planning Meeting	12/7/2023	12-2PM
Core Planning Meeting	12/21/2023	12-2PM
Core Planning Meeting	1/4/2024	12-2PM
Core Planning Meeting	1/18/2024	12-2PM
Core Planning Meeting	1/25/2024	12-2PM VIRTUAL
Internal Quality Review	1/25/2024	
Contract Documents Complete	2/9/2024	Library Board Meeting @ 6PM
Library Board Approval to Issue Drawings	2/8/2024	
City Council Approval to Issue Drawings	2/21/2024	
Issue drawings to Bid	2/23/2024	
Receive Bids	3/19/2024	
Recommendation to Award	4/12/2024	Library Board Meeting @ 6PM
City Council Approval of Award	4/17/2024	(If Needed)
Start Construction process (13 months)	4/30/2024	
Groundbreaking Ceremony	June 2024	
Ongoing Bi-Weekly Progress Meetings		
Substantial Completion	5/30/2025	
Furniture Installation	6 weeks	
Final Completion Date	7/18/2025	
Technology Installation	4 weeks	
Move	August 2025	
Grand Opening and Dedication	September 2025	

MEETING MINUTES

MEETING INFORMATION

MEETING NAME	SD Kickoff Meeting	MEETING LOCATION	Sun Prairie Library
MEETING DATE	25 May 2023	MEETING TIME	12:00pm-2:00pm
PROJECT NAME	Sun Prairie Library Remodel and Addition		
FEH PROJECT NUMBER	2023402		
PROJECT ADDRESS	1350 Linnerud Dr Sun Prairie, WI 53590		

ATTENDEE NAME	ORGANIZATION	PHONE	EMAIL
<input checked="" type="checkbox"/> Kim Bellmann	FEH Design	563.583.4900	kimb@fehdesign.com
<input checked="" type="checkbox"/> Christy Monk	FEH Design	563.583.4900	christym@fehdesign.com
<input checked="" type="checkbox"/> Brady Ludvik	FEH Design		bradyl@fehdesign.com
<input type="checkbox"/> Anders Dahlgren	Library Planning Associates	309.846.2836	libraryplanningassoc@gmail.com
<input checked="" type="checkbox"/> Svetha Hetzler	SPPL Director	608.825.0900	shetzler@cityofsunprairie.com
<input checked="" type="checkbox"/> Kevin Johnson	Hunzinger – Owner's Rep	262.432.9166	kevinjohnson@hunzinger.com
<input checked="" type="checkbox"/> Theresa Stevens	SPPL Foundation Exec Director	608.886.0718	execdirector@sunlibfoundation.org
<input type="checkbox"/> Jeff Robbins	Sun Prairie Media Center		jrobbins@cityofsunprairie.com
<input checked="" type="checkbox"/> Steev Baker	SPPL	262.365.4614	sbaker@sunlib.org
<input checked="" type="checkbox"/> Lynn Montague	Youth Services - SPPL	608.825.0903	lmontague@cityofsunprairie.com
<input checked="" type="checkbox"/> Jan Holmes	Tech coordinator - SPPL	608.837.7323x2032	jholmes@cityofsunprairie.com
<input checked="" type="checkbox"/> Kate Hull	Tech services - SPPL	608.825.0901	khull@cityofsunprairie.com
<input checked="" type="checkbox"/> Erin Williams Hart	SPPL	608.825.0902	ewilliamshart@cityofsunprairie.com
<input checked="" type="checkbox"/> Rex Owens	SPPL Board President	608.513.1551	rexowens00@gmail.com

DISCUSSION

1. Goals for Success

- Kate read through the Goals, no changes were made.
- Christy stated that the goals will be read at each meeting to guide the design process.

2. Timeline

- June 8th is a library board meeting, there will be an action item to approve the program.
- Planning meetings will be every other Thursday from 12:00 pm – 2:00 pm.
- The amphitheater design meeting will be 6/22/2023.
- Schematic Design is to be complete on 8/10/2023.
- The internal quality review meetings are internal and there will NOT be an owner meeting.
- Design Development is to be completed 11/9/2023.
- Contract Documents are to be completed 2/8/2024.
 - The documents will need to go to City Council for approval on Feb 20.

- The bid documents could be issued a few days later.

3. Program – Space Needs Summary

4. Design review

- The plan was reviewed.
- Adult Services
 - It was requested to swap the fiction and nonfiction collections.
 - Large Print should be near the reference desk.
 - The Library of Things has not been located on the plan yet.
 - This could be placed along the west side of the Teen area, where the wall opening was removed.
 - It was determined that there should not be an opening from Teen into the Adult collection to the west.
 - The group liked that the break room was more accessible to the Media Center staff but did not like the lack of windows or the restroom door locations. The break room will need acoustic-rated walls.
 - Skylights would be an option for natural light into the breakroom.
 - More seating is needed in the Renk Room. The type of seating (lounge or upright) is to be determined.
 - The Renk room needs more tables for up to 15 people to meet. Tables could be pushed together to create larger surfaces.
 - Book club kits could be housed in the Renk Room.
 - Periodicals could be on low shelving outside of the Renk Room.
- Youth Services
 - The mechanical room was moved to the exterior of the building, as required for the building systems.
 - There will be battery storage outside as part of the microgrid system. It was preferred to be outside of the fence if possible.
 - If the mechanical room, as shown, is not sized sufficiently, equipment will need to be added to the roof in a penthouse.
 - The mechanical room will need to be sound proofed.
 - The teen staff person does not need an office.
 - It was confirmed that 8 staff need workspaces in the youth workroom.
 - Transitional chapter books should be in grade school.
 - Multifunction printing should be provided in youth services.
 - Parenting books should be located in the children's hub.
 - A care cabinet needs to be added into the teen space. It is currently a wardrobe unit.
 - One 6-person study room and one 3-person study room are shown in Youth Services.
 - Small toilets for children should be provided in bathrooms in youth services.
 - In Teen, non-fiction and graphic novels should be swapped.
 - The Teen area will have full-height walls that have partial height glass for supervision and acoustics.
 - Story Time should have an operable partition as the interior wall, to open the space for overflow. The exterior door should be a standard double door.

- d. Media Center / Maker Space
 - i. It is important for staff to be able to view the maker spaces from the youth services space.
 - 1. Since the current layout makes this difficult, FEH Design should develop additional options for the room layout, including mirroring the location of the studio spaces or separating them.
 - ii. Glass on north and south maker space walls to allows passersby to see the activity going on.
 - iii. Equipment in studio spaces still needs to be determined.
 - iv. The intent is to have separate low-tech and high-tech areas in the makerspace.
- e. Staff
 - i. More natural light was requested for the staff area.
 - ii. The Circulation staff doesn't need lateral files at the workstations.
 - 1. 4 desks should be provided including – 1 at the pickup window.
 - iii. The door to the existing mechanical room should remain for access.
 - iv. A door to Friends from the staff space should be provided.
 - v. 3 bins should be provided in the book drop.
 - vi. The dimensions of the existing sorter should be verified to show it properly on the plans.
 - vii. The location of the break room was discussed. Options of the staff area should be created to review at the next meeting.
- f. Friends / Café
 - i. Space is needed outside of the store to display books, something that will take up less space than the existing table. Options will be provided at the next meeting.
- g. Other
 - i. The atrium is full of hard surfaces, so acoustical materials may need to be suspended from the ceiling or other strategies.

5. Other items

- a. Sustainability
- b. Funding Source Requirements

6. Next steps and assignments

- a. Focus on Energy Meeting Wednesday, May 31 at 10AM

ACTION ITEMS

- 1. FEH Design
 - a. Create options for the maker space and staff areas.
 - b. Verify the existing sorter dimensions and configuration.
 - c. Update plans based on comments.
- 2. SPPL
 - a. Provide comments to Svetha, who will send them to FEH Design prior to the next meeting.

For meeting minutes this is the author's understanding of the items discussed. Please notify us of any discrepancies within 7 days so revised minutes can be issued. No response will indicate acceptance by all parties.

WRITTEN BY	Christy Monk
NEXT MEETING	June 8th, 2023, at 12PM
ATTACHMENTS	Goals for Success, Floor Plans

MEETING MINUTES

MEETING INFORMATION

MEETING NAME	SPPL SD Meeting	MEETING LOCATION	Sun Prairie Public Library and Zoom
MEETING DATE	8 June 2023	MEETING TIME	12:00PM

PROJECT NAME Sun Prairie Public Library Remodel and Addition

FEH PROJECT NUMBER 2023402

PROJECT ADDRESS 1350 Linnerud Drive, Sun Prairie WI 53590

ATTENDEE NAME	ORGANIZATION	PHONE	EMAIL
<input checked="" type="checkbox"/> Svetha Hetzler	SPPL Director	608.825.0900	shetzler@cityofsunprairie.com
<input checked="" type="checkbox"/> Rex Owens	SPPL Board President	608.513.1551	rexowens00@gmail.com
<input checked="" type="checkbox"/> Theresa Stevens	SPPL Fdn Exec Director	608.886.0718	execdirector@sunlibfoundation.org
<input checked="" type="checkbox"/> Anders Dahlgren	Library Planning Associates	309.846.2836	libraryplanningassoc@gmail.com
<input checked="" type="checkbox"/> Kim Bellmann	FEH Design	563.583.4900	kimb@fehdesign.com
<input checked="" type="checkbox"/> Brady Ludvik	FEH Design	262.968.2055	bradyl@fehdesign.com
<input checked="" type="checkbox"/> Christy Monk	FEH Design	563.583.4900	christym@fehdesign.com
<input checked="" type="checkbox"/> Kevin M. Johnson	Hunzinger – Owner’s Rep	414.416.3377	kevinjohnson@hunzinger.com
<input type="checkbox"/> Steev Baker	SPPL	262.365.4614	sbaker@sunlib.org
<input checked="" type="checkbox"/> Lynn Montague	Youth Services - SPPL	608.825.0903	lmontague@cityofsunprairie.com
<input checked="" type="checkbox"/> Jan Holmes	Tech Coordinator - SPPL	608.837.7323x2032	jholmes@cityofsunprairie.com
<input checked="" type="checkbox"/> Kate Hull	Tech Services - SPPL	608.825.0901	khull@cityofsunprairie.com
<input checked="" type="checkbox"/> Erin Williams Hart	SPPL	608.825.0902	ewilliamshart@cityofsunprairie.com
<input checked="" type="checkbox"/> Sandy Xiong	City of Sun Prairie	608.825.0893	sxiong@cityofsunprairie.com
<input checked="" type="checkbox"/> Jeff Robbins	Sun Prairie Media Center		jrobbins@cityofsunprairie.com
<input checked="" type="checkbox"/> Terry McIlroy	City of Sun Prairie	608.354.8513	District1b@cityofsunprairie.com
<input checked="" type="checkbox"/> Steve Stocker	City of Sun Prairie Alderperson, Library Board Liaison	608.354.8511	sstocker@cityofsunprairie.com

1. Introductions

2. Goals for Success

- a. The goals were read aloud, no changes were made.

3. Program – Space Needs Summary

- a. Anders discussed the workbook version 1.2.
- b. Seeking recommendation from the Library Board to move forward with developing the plan.
 - i. The program is a set of instructions on how to shape the plan. This document:
 1. should be developed by a librarian.
 2. identifies resources, services, and spaces in an increasing level of detail.

3. is a work in progress. A variance between what the program says and what the plan says is expected.
 - The program overstates the library space needs to make sure there is truly enough space.
 - a. The bottom shelf is not used in the current iteration.
 - ii. The plan should capture the essence of the program.

4. Timeline Update

- a. Add groundbreaking should be added for the end of May 2024 and a proposed ribbon cutting should be added.
- b. The meeting shown the week of Thanksgiving will be as needed and may be online.

5. Design Review

- a. Adult Services
 - i. The staff area has been rearranged per comments after the last meeting.
 - ii. The existing IT closet has been shown by reference station.
 - iii. Nonfiction and adult fiction have been swapped.
 - iv. Large print is near reference station.
 - v. Reference documents are near computers.
 - vi. DVDs and music is near the main aisle.
 - vii. The Renk room has been reorganized with nesting tables.
 1. Local history shelves and a museum display cabinet are shown in the space.
 2. Periodicals and newspapers are below the windows on the outside of the Renk room.
 3. Reading club kits moved out of the Renk room since they took up a large amount of space.
 - viii. Graphic novels should be moved to shelving between audio books and science fiction.
 - ix. It was requested that a window be added from the staff area to the print release, potentially at the countertop.
 - x. A window wall should be added between Adult Services Office 1022 and Adult Staff 1023.
 - xi. The print release and copy center names should be swapped.
- b. Youth Services (Options)
 - i. The teen windows do not start until north of Library of Things.
 1. Library of Things size and shelving quantity still needs to be determined.
 - ii. Picture books shelving should be 42” tall (it is tagged incorrectly but the quantity is accurate).
 - iii. A hub of computers should be created between age groups.
 - iv. The existing teen furniture will need to be inventoried for reuse into the design of the addition.
 - v. The youth services offices and workroom options were reviewed.
 1. The second option (numbered 4 on the plan sheet A1.3) was preferred.
 - a. Supervisors need their own office, meaning they need 3 subsidiary rooms in this space – office, ready room, storage.
 - b. The Youth Services director’s office should be in the southeast corner.
 - i. The two full-time employees need larger desks and dual monitors.
 - c. Each block of staff offices should have a ready room.
 - vi. The aquarium was shifted to have a larger gathering space in the entry to the youth area.
 - vii. Another reading “cubby” is to be added for a total of 2.
 - viii. The mechanical room door should be moved closer to the offices. That wall may be used for a mural or wall-mounted manipulatives.
 - ix. The board book layout should be less rigid and more organic (think baby playland)
 1. Typically, there is a large portion of the collection checked out.

- x. Early readers should be 42" high.
- c. Media Center / Maker Space (Options)
 - i. Storage should be provided near the Media Center welcome desk for equipment checkout.
 - ii. The studio spaces in the makerspace were reviewed:
 - 1. Currently shown are (2) 300 SF studios.
 - a. Video studio can be 250 SF.
 - b. Audio studio can also be 250 SF.
 - 2. There was discussion about changing to one studio; it was determined to stay with the current configuration of two for the time being.
 - 3. The equipment for the studios is not currently in the construction budget. The media center is working on raising funds for equipment.
 - 4. The option with the studios in the northwest corner of the makerspace was preferred. If the space is reconfigured, the overall space will not be reduced.
 - 5. The Library of Things shelving quantity and type will need to be determined; these may need doors.
- d. Staff (Options)
 - i. There was a preference for the option with an exterior window in the break room.
 - ii. It was recommended to swap Ready Room 1079 and Maintenance Office 1014.
 - iii. Automated book drops can slow things down at the drive-up book drop, so there is a preference for carts currently. Space should be provided for a small sorter in the book drop in the future.
 - iv. There is a preference to provide a configuration so the administrative workstation is not a walkthrough space and feels more private.
 - v. There was a preference for the layout shown in the main floor plan with minimal edits, no options.
 - vi. Bench space is needed for technology (maybe in the maintenance office or garage). This can also be movable or temporary.
- e. Friends / Café
 - i. The shelving in front of Read Before Book Store has been revised to be 2 shelves high with spine-out and face-out orientation.
 - ii. This area will have a machine to dispense coffee drinks and prepackaged food items.

6. Other items

- a. Sustainability
 - i. FEH Design is working with the engineering team on information related to the microgrid grant.
 - ii. The initial Focus on Energy (FOE) meeting was last week. The next meeting will be at the end of July.
 - 1. Their engineer is working on different options/bundles.
 - a. Baseline – all electric with photovoltaic and microgrid.
 - b. Ask FOE to send the bundle options a minimum of 1 week before the meeting for everyone to review.
 - 2. FOE requested the anticipated hours of operation.
 - a. The existing library hours will be used.
 - b. The lobby space will have one extra hour at the beginning and end of each day.
 - 3. WPPI and SPU to be added to the FOE meeting group.
 - iii. A sustainability coordinator for the City is anticipated to start in August.
- b. Funding Source Requirements
 - i. Let FEH Design know of any new grants and what requirements they would be adding.

7. Next steps and assignments

- a. Library Board Meeting Tonight!
- b. Next Chapter Team Meeting June 22 @ 12PM
- c. Refine and look beyond floor plan
 - i. Amphitheater layout to be discussed – start meeting with this.
 - ii. Snyder & Associates will be providing the Civil Engineering and Landscape Architecture. They will be at the next meeting to be part of the amphitheater discussion.
- d. The Next Chapter Team endorses the program and recommends continued development of the plan into schematic design. The motion was unanimous and will be presented to the Library Board.

ACTION ITEMS

- 1. FEH Design
 - a. Update plans with comments
 - b. Invite Synder and Associates to next meeting.
- 2. SPPL
 - a. Staff should provide comments to Svetha and she will send them to FEH Design.

For meeting minutes this is the author's understanding of the items discussed. Please notify us of any discrepancies within 7 days so revised minutes can be issued. No response will indicate acceptance by all parties.

WRITTEN BY	Brady L / Christy Monk
NEXT MEETING	June 22, 2023, at 12PM
ATTACHMENTS	Goals for Success, Timeline, Floor Plans

MEETING MINUTES

MEETING INFORMATION

MEETING NAME	SPPL SD Meeting	MEETING LOCATION	Sun Prairie Public Library Community Room and Zoom
MEETING DATE	22 June 2023	MEETING TIME	12:00PM

PROJECT NAME	Sun Prairie Public Library Remodel and Addition
FEH PROJECT NUMBER	2023402
PROJECT ADDRESS	1350 Linnerud Drive, Sun Prairie WI 53590

ATTENDEE NAME	ORGANIZATION	PHONE	EMAIL
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<input checked="" type="checkbox"/> Theresa Stevens	SPPL Fdn Exec Director	608.886.0718	execdirector@sunlibfoundation.org
<input checked="" type="checkbox"/> Kim Bellmann	FEH Design	563.583.4900	kimb@fehdesign.com
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<input checked="" type="checkbox"/> Christy Monk	FEH Design	563.583.4900	christym@fehdesign.com
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<input checked="" type="checkbox"/> Lynn Montague	Youth Services - SPPL	608.825.0903	lmontague@cityofsunprairie.com
<input checked="" type="checkbox"/> Jan Holmes	Tech Coordinator - SPPL	608.837.7323x2032	jholmes@cityofsunprairie.com
<input checked="" type="checkbox"/> Kate Hull	Tech Services - SPPL	608.825.0901	khull@cityofsunprairie.com
<input checked="" type="checkbox"/> Erin Williams Hart	SPPL	608.825.0902	ewilliamshart@cityofsunprairie.com
<input checked="" type="checkbox"/> Steve Stocker	City of Sun Prairie Alderperson, Library Board Liaison	608.354.8511	sstocker@cityofsunprairie.com
<input checked="" type="checkbox"/> Jeff Robbins	Sun Prairie Media Center		jrobbins@cityofsunprairie.com

1. Goals for Success

- A. The goals were reviewed.

2. Amphitheater

- A. Inspiration Images
 - i. Snyder & Associates presented some inspiration images (attached) for the group to provide input on what they liked and what they didn't for the amphitheater.
 - ii. The current layout is based off the initial design rendering.
 - a. There are 5 levels and the height between tiers is 18-inches. Each tier has a 12-inch-deep stone edge that can be used for a seat.
 - b. There will be a band shell on the 'stage' level.
 - iii. The group stated the strong need to have shade for the outside spaces, to be usable during the morning and afternoon in the summer.
 - a. Large children's programs will use the amphitheater. No sit-down programs will use the children's patio.
 - b. The amphitheater is south facing, which will make it sunny and hot.

- c. The design team will work to create shading options for the amphitheater.
- d. There was discussion about adding shade structures. There was concern about the size of the foundations for the poles. The poles and shades could block views in the amphitheater too. Adding large evergreens south / southwest of the band shell would create shade and buffer sound.
- e. It was ultimately decided to add trees south of the band shell to create shade. Smaller trees are to be added to the tiers to create shade. It will take a few years for the trees to mature.

B. Landscaping

- i. It was determined that there should be softscape on the tiers. There was discussion on whether it should be natural grass or synthetic turf.
 - a. Turf would reduce the long-term maintenance but would still need some occasional cleaning. Food and drink should be limited on the turf.
 - b. There is currently no irrigation planned for the project. A hose bib is recommended to be on the southeast side of the building for use at the amphitheater.
 - c. Kevin mentioned the company Forever Lawn. This type of turf is not the same as athletic turf with rubber pellets.

C. Layout

- i. It was initially decided to make all levels accessible. There will need to be an area for handicap seating at the end of each tier.
- ii. An 8' wide path will be added to the band shell from the parking lot so bands/performers can get equipment down to the stage.
- iii. There is already a donor for the stage.
- iv. The seats are just starting to be sold. There are to be 200 donor seats. The names of the donors will be engraved on the stone seats.
 - a. The stone edge may have to increase to 18" deep.
- v. A sidewalk from the street to the amphitheater is to be added. There was discussion on where this should be located if people are coming from the park to the library. There was a recommendation that the city should plan in the future to create a crosswalk to help with pedestrian traffic.

3. Site Plan Review

- A. Snyder and Associates presented the overall site layout (see attached).
 - i. Parking will be added to the northeast and will follow the property line.
 - ii. The new entrance lane will have a 'traffic calming' curve.
 - iii. It was discussed to make the existing drive one-way. The book drop will remain on the west side of the building; it would be a long drive though the whole parking lot to enter or exit. It was determined that the corner of the existing drive into the parking lot will be reworked and the drive will remain two-way.
 - iv. Accessible parking will be at both entrances (new and existing).
 - v. An off-loading zone has been added at the new / east entrance. There will be a speed table here to slow down traffic.
 - vi. There will be dedicated bike parking.
- B. It was asked where the geothermal will be located. It will be under the east parking lot.
- C. Prairie areas were discussed. Since the building will be located on the existing prairie, Snyder is showing an area southwest of the amphitheater that will replace what has been developed.
 - i. It was suggested to extend the existing sculpture path to connect to amphitheater paths.
- D. Stormwater drainage will run along the north to the east detention basin. The basin will have native plants that can withstand the water.
- E. Site Amenities
 - i. Bike racks
 - ii. 2 locations for vehicle charging – 4 spots total

- a. Check with the utility on rapid chargers and what type of chargers can be provided.
- F. Parking lot islands are intended to be filled with low height prairie grass and trees.
 - i. Make sure the long grass is not too tall, to avoid visibility issues.
 - ii. The city has a forestry individual who may get involved in the project.
- G. Snyder will look at the staff building entrance on the west side of the building and make suggestions regarding how that can be improved for the safety of staff with the book drop traffic.

4. Design Review

- A. Café Space
 - i. There is to be a door between the bookstore / café and back-of-house.
 - ii. 2 to 3 café tables should be provided.
 - iii. An awning or element should be added to make the space feel like a café.
- B. Library of Things (LoT)
 - i. The LoT will remain by teens for now. It was requested that area also have teen books for non-teen patrons.
 - a. This can be standard shelving for now, as it still needs to be determined what type of items will be part of the LoT.
 - b. A seed library was mentioned.
- C. Staff Space
 - i. It is ideal to have the red bins by the sorter.
 - ii. Adding more natural light to the spaces should be considered – via skylights or light tubes.
 - iii. It was requested to have the desks in youth services face the door.
 - iv. The self-check and print release in the Adult space should be swapped and the self-check near reference should be removed.
 - v. The Adult Services reference station should be moved south of the computers and the rows of computers should be shifted north.
 - a. The desks in the Adult Services office will need to be rearranged for sight lines.
 - b. The door into Adult Services should be moved to the east wall and the door alcove removed.
 - vi. The drive-up window will protrude out from the exterior wall, since the book drop wall is further west.
- D. Unsupervised space / surveillance
 - i. Surveillance camera locations will be reviewed at a future meeting.
 - a. An entirely new camera system should be provided.
 - b. The storage capacity will need to be determined – currently have 12 days' worth before rewriting.
- E. Makerspace
 - i. Jeff stated he got a commitment from the Friends group to purchase equipment in the Makerspace studios.
 - ii. The layout should be retained with two studios.
 - iii. Plenty of outlets will need to be provided in the Maker Space.
- F. Furniture
 - i. Examples of furniture for the Library of Things, Periodicals, and Renk Room were briefly discussed. (see attached images)
 - ii. Options for the Read Before Book Store and face-out shelving were briefly reviewed. Low face-out shelving could be provided outside of the bookstore for after-hours browsing and sales.

5. Other items

- A. Sustainability and Focus on Energy
 - i. FEH Design will have the exterior elevations done by the end of month to send to Focus on Energy.
- B. Funding Source Requirements
- C. Community Room Rendering
 - i. This meeting will be sometime in August. FEH Design will send information to Svetha.

6. Next steps and assignments

- A. Next Chapter Team Meeting July 6 @ 12PM
- B. Meetings with staff to be on July 24th afternoon (1:00pm) and 27th morning (9:00am).

ACTION ITEMS

- A. FEH Design
 - i. Update plans and provide exterior elevations
- B. Snyder
 - ii. Update site plan
- C. SPPL
 - iii. Provide preferred browser bin info to verify unit quantities.

For meeting minutes, this is the author's understanding of the items discussed. Please notify us of any discrepancies within 7 days so revised minutes can be issued. No response will indicate acceptance by all parties.

WRITTEN BY Brady L / Christy Monk

NEXT MEETING July 6, 2023, at 12PM

ATTACHMENTS Goals for Success, Amphitheater Inspiration Images, Site Plan, Floor Plans, Furniture Image

MEETING MINUTES

MEETING INFORMATION

MEETING NAME	SPPL SD Meeting	MEETING LOCATION	Sun Prairie Public Library Community Room and Zoom
MEETING DATE	06 July 2023	MEETING TIME	12:00PM
PROJECT NAME	Sun Prairie Public Library Remodel and Addition		
FEH PROJECT NUMBER	2023402		
PROJECT ADDRESS	1350 Linnerud Drive, Sun Prairie WI 53590		
ATTENDEE NAME	ORGANIZATION	PHONE	EMAIL
<input checked="" type="checkbox"/> Svetha Hetzler	SPPL Director	608.825.0900	shetzler@cityofsunprairie.com
<input checked="" type="checkbox"/> Rex Owens	SPPL Board President	608.513.1551	rexowens00@gmail.com
<input type="checkbox"/> Theresa Stevens	SPPL Fdn Exec Director	608.886.0718	execdirector@sunlibfoundation.org
<input checked="" type="checkbox"/> Kim Bellmann	FEH Design	563.583.4900	kimb@fehdesign.com
<input checked="" type="checkbox"/> Brady Ludvik	FEH Design	262.968.2055	bradyl@fehdesign.com
<input checked="" type="checkbox"/> Christy Monk	FEH Design	563.583.4900	christym@fehdesign.com
<input checked="" type="checkbox"/> Kevin M. Johnson	Hunzinger – Owner’s Rep	414.416.3377	kevinjohnson@hunzinger.com
<input checked="" type="checkbox"/> Steev Baker	SPPL	262.365.4614	sbaker@sunlib.org
<input checked="" type="checkbox"/> Lynn Montague	Youth Services - SPPL	608.825.0903	lmontague@cityofsunprairie.com
<input checked="" type="checkbox"/> Jan Holmes	Tech Coordinator - SPPL	608.837.7323x2032	jholmes@cityofsunprairie.com
<input checked="" type="checkbox"/> Kate Hull	Tech Services - SPPL	608.825.0901	khull@cityofsunprairie.com
<input checked="" type="checkbox"/> Steve Stocker	City of Sun Prairie Alderperson, Library Board Liaison	608.354.8511	sstocker@cityofsunprairie.com
<input checked="" type="checkbox"/> Erin Williams Hart	SPPL	608.825.0902	ewilliamshart@cityofsunprairie.com

1. Goals for Success

2. Amphitheater

- A. It was asked if the existing sculpture by the road is moving to the front of the building. The site plan shows adding sidewalk where the sculpture is currently located. The intent is that the existing sculpture will get relocated to the front of the building and that will leave a spot for a new sculpture.
- B. Layout
 - i. The group agrees with the tree shading locations and overall layout.
 - ii. The current design does not show every level accessible, that is difficult to do with the grades and with turf.
- C. Stage Accommodations
 - i. Recently there was a program with 30 people, they could not all fit on the stage in the community room.
 - ii. The current stage in the community room is 8' x 18' and that is not large enough for active performers, such as acrobats and dancers.
 - iii. The acrobats would require a minimum stage size of 12-feet by 15-feet with a height of 15-feet. Larger would be better.
 - iv. The band shell at Whitmore is 28'x28' and is too small for the community band.
 - a. The community band would be the largest group to use the stage.

- v. Overflow strategy
 - a. The first row of seating can be used as overflow stage space if there are too many performers.
 - b. Depending on the type of performance, there could be seats for performers around the bandshell.
- vi. There was a conversation about what size group the band shell should be designed to accommodate.
 - a. 15 individuals can currently fit on the stage.
 - b. It was suggested to ask members of the community band, or other groups planning on using the space, to consider a donation if they would like to construct a larger performing space. There is concern that the stage should not be too large that it would dwarf the smaller, more typical performances.
 - c. There was a reminder that \$250,000 has been pledged for the stage.

D. Turf

- i. This material may not work well with sustainability goals, depending on which product is chosen.
 - a. It should be made from recycled materials.
 - b. It can get warmer than grass. There is an optional cooling layer to help with heat.
 - c. It must meet LEED criteria.
 - d. It has seams, so if a patch needs to be replaced it can be done without tearing up large portions of turf.
- Other options than grass and turf mentioned:
- e. Crushed pink granite
 - f. Clover
 - g. Softer rubberized flooring
 - h. Kevin brought up two sites in Milwaukee
 1. Catalano Square is natural grass.
 2. Bayshore Town Center is turf.
 - ii. It was questioned what types of grass should be used.
 - a. Soft and not hot grasses
 - iii. The long-term cost comparisons were questioned between turf and grass.
 - a. FEH to look into this.
 - b. FEH to get samples.

3. Site Plan Review

- A. Overall Layout
 - i. It was suggested that the drive lane have a wider opening to the street and the existing parking lot. Two-way traffic will be retained on the west drive lane.
 - ii. It was asked how far away the new parking lot will be to the community garden, which is approximately 180 feet.

4. Design Review

- A. Overall Building Layout
 - i. The door on south side of building to access patio will be primarily exit doors. These should be locked and have access control.
- B. Dishwasher / ADA Staff Spaces
 - i. All countertops should be ADA accessible heights in staff spaces.
- C. Building Elevations
 - i. The new entrance shall look like original entrance, but it will be moved forward to accommodate new Atrium space. Pieces of the existing entrance may be salvaged and reused.
 - ii. The existing skylights shall be replaced and some will be added in the addition.
 - iii. FEH Design will check LEED to see if we need operable windows; non-operable windows are preferred.

- iv. It was suggested to locate some of the solar panels in visible areas on the exterior, such as the south sloped roof.
- v. FEH Design will check with structural to determine if ballast roofs can be removed or if the ballast will need to remain at the existing structure.
- vi. Atrium elevation
 - a. Would most likely be aluminum storefront, not curtain wall.
 - b. Kawneer 451T or thermally broken 6" storefront to be used.
 - c. The wall below the storefront will be stone.

5. Other items

- A. Climate Champions program
 - i. The group is interested in pursuing this opportunity in April of 2024 since the project is out of the design phase.
- B. Sustainability and Focus on Energy
 - i. A July meeting has not yet been scheduled.
- C. Funding Source Requirements
- D. Community Room Rendering
 - i. The information about the rendering and timeline should be provided by FEH Design to Svetha.
- E. Collections
 - i. It was suggested that the bin sizes for neighborhoods be verified. There is concern that not enough space has been designated for 3,420 books.
- F. Improving infrastructure for comfort
 - i. It was questioned whether there are plans to manage humidity instead of just temperature with the AC system.
 - a. FEH and Mechanical team shall consider different mechanical options.
 - 1. Newer mechanical units are more sophisticated to handle both temperature and humidity.
 - b. It is recommended that once the new system is installed, to work with a separate company to maintain the system. Trane currently does scheduled maintenance.
- G. It was suggested that the coiling door / shutter into the atrium from the community room be considered a project alternate, for cost purposes.
- H. The storage room doors in the community room should provide larger than a 6'-0" wide opening (could go up to 8'-0").

6. Next steps and assignments

- A. Next Chapter Team Meeting July 20 @ 12PM

ACTION ITEMS

- A. FEH Design
 - i. Update design drawings
 - ii. Get information on amphitheater surfacing (turf, etc)
 - iii. Verify collection count capacity in neighborhood bins.

For meeting minutes, this is the author's understanding of the items discussed. Please notify us of any discrepancies within 7 days so revised minutes can be issued. No response will indicate acceptance by all parties.

WRITTEN BY Brady L / Christy Monk

NEXT MEETING July 20, 2023, at 12PM

ATTACHMENTS Goals for Success, Site Plan, Floor Plans, Exterior Elevations

MEETING MINUTES

MEETING INFORMATION

MEETING NAME	SPPL SD Meeting	MEETING LOCATION	Sun Prairie Public Library Community Room and Zoom
MEETING DATE	20 July 2023	MEETING TIME	12:00PM
PROJECT NAME	Sun Prairie Public Library Remodel and Addition		
FEH PROJECT NUMBER	2023402		
PROJECT ADDRESS	1350 Linnerud Drive, Sun Prairie WI 53590		
ATTENDEE NAME	ORGANIZATION	PHONE	EMAIL
<input checked="" type="checkbox"/> Svetha Hetzler	SPPL Director	608.825.0900	shetzler@cityofsunprairie.com
<input checked="" type="checkbox"/> Rex Owens	SPPL Board President	608.513.1551	rexowens00@gmail.com
<input type="checkbox"/> Theresa Stevens	SPPL Fdn Exec Director	608.886.0718	execdirector@sunlibfoundation.org
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<input checked="" type="checkbox"/> Steve Stocker	City of Sun Prairie Alderperson, Library Board Liaison	608.354.8511	sstocker@cityofsunprairie.com
<input checked="" type="checkbox"/> Erin Williams Hart	SPPL	608.825.0902	ewilliamshart@cityofsunprairie.com

1. Goals for Success

- A. The Goals were read.

2. Timeline

- A. A Next Chapter virtual team meeting will be scheduled for August 3.
- B. If possible, the Library would like to have summer programming onsite in 2025.
- C. Existing spaces will be minimally impacted in the summer of 2024, so summer programs could likely happen inside while the addition is being built.

3. Cost Considerations

- A. After conducting the code review, it was determined that a fire separation wall is necessary between new and existing portions of the building.
 - i. FEH Design is trying to maintain as much of the existing east exterior wall as possible.
- B. Sustainability priorities
 - i. The original opinion of probable cost continued using the natural gas fuel system and replacing the existing rooftop mechanical units.
 - a. The existing ductwork infrastructure will be reused, which reduces waste in the landfill.
 - b. LEED Gold can still be achieved with this revised strategy.

- c. There will be one control system for the building systems.
- d. Doing a one-for-one rooftop unit replacement could reduce renovation time.
- ii. Geothermal will be utilized for the addition. The geothermal well field will be sized for the entire building so future phases could update the existing building equipment to fully electric geothermal.
 - a. The city council will be disappointed that the budget does not currently provide a completely electric building.
 - b. Based on funding limits, it is unlikely the city would be able to provide additional funding to convert the building to a fully electric geothermal system.
 - c. There was discussion about grants, but they only cover a portion of the cost. Construction costs would need to be paid up front and the grant would likely reimburse.

4. Design Review

- A. Code Plan
 - i. The floor plan and associated occupant load was reviewed.
- B. Site Plan
 - i. The door to the patio moved to the east side of Teen. This works better for programming.
 - ii. The outdoor patio to the west was narrowed and the patio to the south was reduced in size.
- C. Building Demolition Plan
 - i. The current Storytime room needs to be updated in the floor plan to show the recent updates.
- D. Overall Building Plan
 - i. The bins count was increased for the neighborhood collection – 14 bins.
 - ii. Hub materials were split, giving more visibility to the youth desk and better sight lines from the desk into teen.
 - iii. The bookstore point of sale was moved to north side of room and placed the coffee machine to south wall, because there is existing plumbing in that wall.
 - a. FEH will rearrange furniture in this area but keep the coffee machine on the south wall.
 - iv. The sensory room walls need acoustic separation.
 - v. Cost saving methods were reviewed.
 - a. One suggestion was to reduce the building width in Youth Services.
 - o The washer and dryer will move to the Janitor room and that will allow for the storage room to reduce in size.
 - b. It was questioned whether the discovery zone could be located within the story time room when there is no programming. This would cause constant shuffling of elements and was not feasible.
 - c. Reducing atrium space so the vestibule would shift to the west, just east of the conference room off of the atrium.
 - o This would eliminate stroller parking in the atrium.
 - d. The patio east of the storytime room can be reduced. The path needs to be wide enough for 2 strollers (approximately 8-foot wide).
 - o The fence needs to remain for safety.
 - o A masonry pier entry should be created but the fence could be basic black metal.
 - o This would have a storywalk along the fence.
 - e. The garage will be converted into a carport with a wood slat or trellis wall to allow air flow and look pleasing.
 - o This will save cost because it will not be a conditioned space.
 - o This may need a lockable gate or locked equipment storage room.
 - o This space could be enclosed in the future.

E. Roof Plan

- i. The public wants to retain the look of existing building in the renovated areas.
 - a. It was determined to eliminate the mansard roof on the addition. The existing mansard roof is aesthetic and provides a screen for the mechanical equipment on the roof.
 - o A low slope roof with parapets will have a more modern look. It will also make the solar panels more visible.
 - o FEH Design will update the design to produce an image of this.
 - b. It was determined to not continue the interior east/west gabled roof from the existing to the new.
 - o The ceiling can still accentuate the axis of the building.
 - o Skylights could still be provided in this area with a low-slope roof.
 - o FEH Design will update the design to produce an image of this.

F. Building Elevations will be updated.

G. Building Sections show the massing of the building.

H. Building Reflected Ceiling Plan

- i. The intent of the design is to maintain exiting ceiling grid where possible and update acoustical ceiling tiles (ACT).
- ii. The whole building will be getting new LED lighting.

I. Interior Camera Views

J. Furniture Plan

- i. A "new materials" section in children's and teen collection should be provided.
- ii. It was requested that the full time YS staff desks be rotated to face the door.
- iii. The furniture plans should be updated for the staff meeting on 7/24.

5. Other items

A. Finishes - Initial Thoughts

- i. The intent is to update most finishes (wood trim and doors will remain). Brightening the space while keeping the original design is important.
- ii. The addition will have a more modern feel but have reflections of the existing building in the new.
- iii. The wall colors should be a background for art. This includes framed art, murals and picture rails.
- iv. Mission style furniture will not be continued in youth areas.
 - a. Teen furniture is to be reused.
- v. The group would like to keep the Renk Room feel the same and keep the stenciling.
 - a. The genealogy group meets in the Renk Room and they need flexibility for seating. The traditional feel can be maintained.
 - b. The existing gas fireplace will be retained.
- vi. The group was reminded that LEED product pricing generally runs higher than the 'traditional' products.
- vii. FEH Design is to have finish samples at DD meeting on 8/17.

B. Field Trips (Outdoor Spaces and Makerspaces)

- i. Mitchell Street in Milwaukee
- ii. Need an outdoor space option to look at to look at turf.
 - a. Need to look at different turf options. It was requested to ask Forever Lawn for Dane County projects to look at.
- iii. UW Madison Memorial Union - 3 different types of maker space elements.
- iv. Watertown has maker spaces and the same material sorter.
- v. Menomonee Falls has a maker space.
- vi. Waunakee
- vii. Pinney Library

C. Sustainability and Focus on Energy - FEH Design will reach out and schedule a follow up meeting.

D. 9/1 meeting to include IT systems.

6. Next steps and assignments

- A. Next Chapter Team Meeting August 3 @ 12PM – VIRTUAL to review SD Packet
- B. Committee of the Whole Presentation August 15 @ 5:30PM

ACTION ITEMS

1. Assignments

A. FEH Design:

- i. Update plans based on changes made today.
- ii. Prepare SD booklet.
- iii. Start ordering finish samples.
- iv. Set up FoE meeting.

B. Next Chapter Team:

- i. Field Trips

For meeting minutes this is the author's understanding of the items discussed. Please notify us of any discrepancies within 7 days so revised minutes can be issued. No response will indicate acceptance by all parties.

WRITTEN BY Kim Bellmann/ Christy Monk

NEXT MEETING August 3, 2024 at 12:00PM

ATTACHMENTS SD Drawings

MEETING MINUTES

MEETING INFORMATION

MEETING NAME	SPPL SD Meeting	MEETING LOCATION	Zoom
MEETING DATE	3 August 2023	MEETING TIME	12:00PM

PROJECT NAME	Sun Prairie Public Library Remodel and Addition
FEH PROJECT NUMBER	2023402
PROJECT ADDRESS	1350 Linnerud Drive, Sun Prairie WI 53590

ATTENDEE NAME	ORGANIZATION	PHONE	EMAIL
<input checked="" type="checkbox"/> Svetha Hetzler	SPPL Director	608.825.0900	shetzler@cityofsunprairie.com
<input checked="" type="checkbox"/> Rex Owens	SPPL Board President	608.513.1551	rexowens00@gmail.com
<input type="checkbox"/> Theresa Stevens	SPPL Fdn Exec Director	608.886.0718	execdirector@sunlibfoundation.org
<input checked="" type="checkbox"/> Kim Bellmann	FEH Design	563.583.4900	kimb@fehdesign.com
<input checked="" type="checkbox"/> Brady Ludvik	FEH Design	262.968.2055	brady@fehdesign.com
<input checked="" type="checkbox"/> Sarah Jansen	FEH Design	262.968.2055	sarahjj@fehdesign.com
<input checked="" type="checkbox"/> Christy Monk	FEH Design	563.583.4900	christym@fehdesign.com
<input checked="" type="checkbox"/> Kevin M. Johnson	Hunzinger – Owner's Rep	414.416.3377	kevinjohnson@hunzinger.com
<input checked="" type="checkbox"/> Steev Baker	SPPL	262.365.4614	sbaker@sunlib.org
<input checked="" type="checkbox"/> Lynn Montague	Youth Services - SPPL	608.825.0903	lmontague@cityofsunprairie.com
<input checked="" type="checkbox"/> Jan Holmes	Tech Coordinator - SPPL	608.837.7323x2032	jholmes@cityofsunprairie.com
<input checked="" type="checkbox"/> Kate Hull	Tech Services - SPPL	608.825.0901	khull@cityofsunprairie.com
<input checked="" type="checkbox"/> Steve Stocker	City of Sun Prairie Alderperson, Library Board Liaison	608.354.8511	sstocker@cityofsunprairie.com
<input checked="" type="checkbox"/> Erin Williams Hart	SPPL	608.825.0902	ewilliamshart@cityofsunprairie.com
<input checked="" type="checkbox"/> Jeff Robbins	Sun Prairie Media Center	608.837.4193	jrobbins@cityofsunprairie.com

1) Goals for Success

- i) The goals were reviewed
- ii) Questions from August 1 COW Meeting
 - (1) The 20-year goal is an estimation for service to the anticipated, expanded population. It is not a statement about the building only being useful for 20 years. The building may not serve the population as well after 20 years.
 - (2) The goals are community-driven and refined over the last 5 years.
 - (3) Some goals are high level and are similar to other public libraries. The uniqueness is taking the goals and incorporating them into the design.

2) Core Planning Team Meeting Schedule

- a) Keep Thursday noon meetings for now.

3) Design Review

- a) 15 copies of the Schematic Design book are needed for the library board meeting.
- b) The book includes the first 7 pages of Anders' Space Needs Summary.
- c) FEH Design is to email a draft of the book to the team, for comment.
- d) Narratives
 - i) Engineering
 - (1) The existing building has comfort and humidity issues. Doing a 1-for-1 rooftop unit replacement would not solve these issues.

- (2) 2 mechanical penthouses that will house 3 large air handling units tied to a central plant is being proposed.
 - (3) All proposed, new ductwork and controls will function the same when the system is switched to geothermal in the future.
 - (4) Geothermal system is planned to be an add alternate.
 - (a) The test well should still be performed to determine if the system is feasible.
 - (5) The building will meet LEED Gold with the proposed mechanical system.
 - (6) There will be a single direct digital control system. This will work with the microgrid and other electrical elements.
 - (7) FEH Design will determine if the new mechanical room can be reduced.
 - (8) All new restrooms will be gender neutral.
- e) Code Plan
 - f) Site Plan
 - i) The path from the street to the amphitheater provides access to the park.
 - ii) The path from the new parking to the east entrance will need to be more direct.
 - iii) The storm water will be kept on site and not tie into the city storm sewer immediately.
 - g) Building Demolition Plan
 - h) Overall Building Plan
 - i) A vestibule was added to the south side of building from the patio, which also provides access to a bathroom from the exterior.
 - (a) The new restroom should be accessible from the interior.
 - ii) New exit from teen area on south side of building was added.
 - iii) The staff area was reworked based on comments
 - (1) Corridor to be made wider to accommodate red cart deliveries.
 - (2) Staff is to let FEH Design know how many carts they plan to have.
 - (3) Switching the library director's and the foundation director's offices was discussed. Svetha will talk to Theresa since she was not at the meeting.
 - iv) Read Before Book Store
 - (1) FEH Design should verify that the bookstore has as much or more shelf space than it currently has.
 - v) Access control, particularly at exterior door locations, will be discussed at a future meeting.
 - vi) It was suggested to add a second computer / work station at the reference desk.
 - vii) Windows looking into teen space on the curved wall are to be higher, clearstory windows. The windows on the youth services side can go to the floor.
 - i) Roof Plan
 - j) Building Elevations
 - k) Building Sections
 - l) Building Reflected Ceiling Plan
 - m) Interior Camera Views
 - n) Furniture Plan
- #### 4) Opinion of Probable Cost
- a) Opinion of probable cost for the whole project is currently \$23,336,537.
 - i) Building construction cost is \$19,299,267.
 - ii) The total project budget from conceptual design is \$19,988,281. This includes \$1,259,737 for design. This includes all funding sources.
 - iii) The team will need to be prepared to make cuts. Each department will need to make a list of nice-to-have vs. need-to-have items.
 - iv) Council could expect cost to be higher than predicted due to inflation
 - (1) Steve Stocker asked City Engineering what percentage budget increases they are seeing in the current bidding climate, so the project will not exceed Council's expectations. The current increase was reported to be between 10 to 15 percent.

5) Other items

- a) Makerspace technology station(s) for digitization projects
 - i) The media center can do digitizing and they charge for it.
 - ii) Digitizing can be done in the maker space; the equipment is portable.
- b) SPMC Entry and Deliveries
 - i) The entrance will have key card access control from the atrium.
 - ii) During open hours, packages can get delivered through the atrium.
 - iii) After hours they will be delivered to receiving at the library.
 - (1) Signage could be added for delivery people drop their packages off in the atrium
 - iv) Media center staff will pick up their mail in the mail room that is part of the library.
- c) Sustainability and Focus on Energy

6) Next steps and assignments

- a) Library Board Meeting August 10 @ 6:00PM
- b) Committee of the Whole Presentation August 15 @ 5:30PM
 - i) There is a template that will need to be used for the presentation.

ACTION ITEMS

- 1. FEH Design
 - a. Update plans based on changes
 - b. Finalize and print SD booklet
 - c. Begin ordering finish samples
 - d. Schedule FoE results meeting
- 2. SPPL
 - a. Library Staff to have their comments back to FEH by Tuesday 8/8/2023 at noon.
 - b. Field Trips to libraries and makerspaces

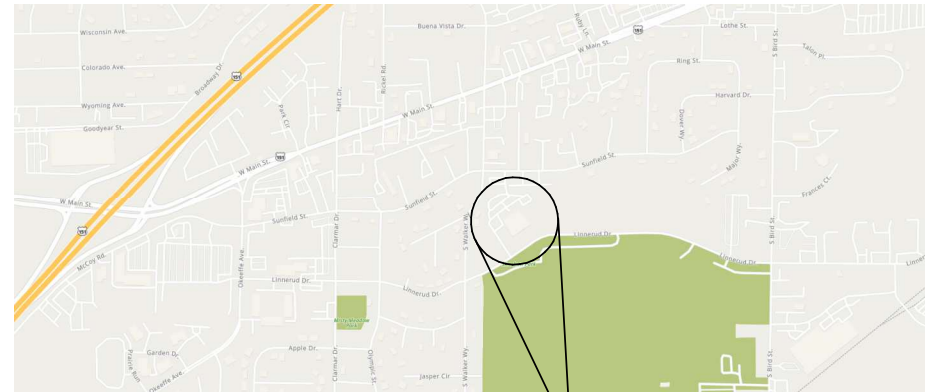
For meeting minutes this is the author's understanding of the items discussed. Please notify us of any discrepancies within 7 days so revised minutes can be issued. No response will indicate acceptance by all parties.

WRITTEN BY	Christy Monk
NEXT MEETING	17 August 2023, at 12PM
ATTACHMENTS	Draft SD Booklet

CITY OF SUN PRAIRIE SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION

1350 LINNERUD DRIVE
SUN PRAIRIE, WI

ISSUED FOR: SCHEMATIC DESIGN



VICINITY MAP
NOT TO SCALE



PROJECT LOCATION

CONTACT INFORMATION

ARCHITECT

FEH DESIGN
951 MAIN STREET
DUBUQUE, IOWA 52001
PH: (563)583-4900

STRUCTURAL

FEH DESIGN
951 MAIN STREET
DUBUQUE, IOWA 52001
PH: (563)583-4900

MECHANICAL

DESIGN ENGINEERS
8215 GREENWAY BLVD SUITE 180
MADISON, WI 53717
PH: (608)424-8815

ELECTRICAL

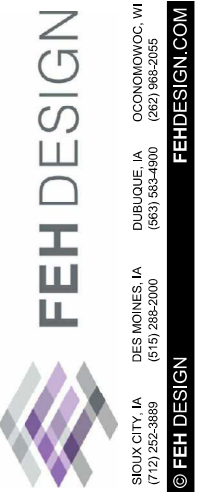
DESIGN ENGINEERS
8215 GREENWAY BLVD SUITE 180
MADISON, WI 53717
PH: (608)424-8815

CIVIL

SNYDER AND ASSOCIATE
5010 VOGES ROAD
MADISON, WI 53718
PH: (608)838-0444

SHEET INDEX

GENERAL	
TS	TITLE SHEET
AG1.1	GENERAL NOTES AND LEGENDS
AG1.2	BUILDING CODE PLAN
CIVIL	
C100	NOTES
C200	EXISTING SITE & DEMO PLAN
C300	PROPOSED SITE
C400	GRADING PLAN
C401	UTILITY PLAN
C500	MISC. DETAILS
LANDSCAPE	
L100	LANDSCAPE NOTES
L200	PLANTING PLAN
L300	HARDSCAPE PLAN
L301	HARDSCAPE PLAN
ARCHITECTURAL	
A1.0	DEMOLITION PLANS
A1.1	FLOOR PLAN
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A4.1	EXTERIOR ELEVATIONS
A5.1	BUILDING SECTIONS
A7.0	3D VIEWS
A8.1	REFLECTED CEILING PLANS
A10.1	FURNITURE LAYOUT PLANS
HVAC	
HVAC-A1.1	HVAC LAYOUT - FLOOR PLAN
HVAC-A2.1	HVAC LAYOUT - ROOF PLAN
ELECTRICAL	
E1	SCHEMATIC POWER DISTRIBUTION CONCEPT



SHEET TITLE
TITLE SHEET

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 08/29/2023
REV. NO. DATE

PROJECT NUMBER
2023402

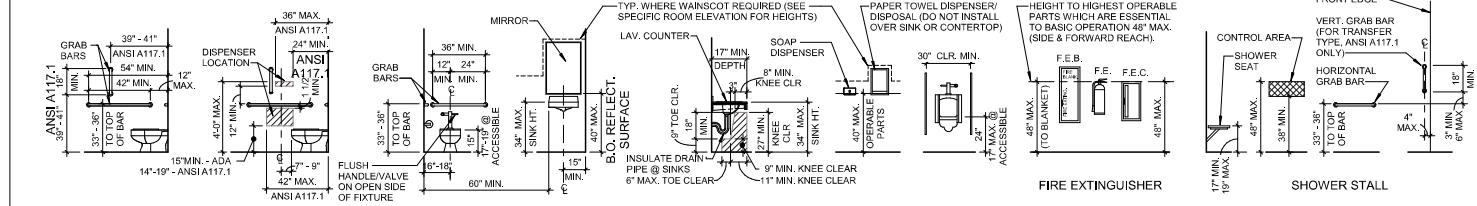
SHEET
TS

PRELIMINARY
NOT FOR CONSTRUCTION

ABBREVIATIONS: ARCHITECTURAL DRAWING LIST, SOME DESIGNATIONS MAY NOT BE APPLICABLE

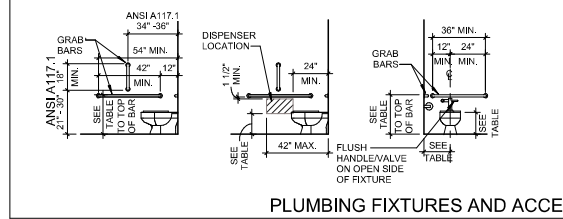
AB ANCHOR BOLT	G G, GND GROUND	Q QT QUARRY TILE
AC AIR CONDITIONING	GA GAUGE	R R, RAD RADIUS
ACT ACoustical CEILING TILE	GB GALVANIZED	RA RETURN AIR
ADA AMERICANS WITH DISABILITIES ACT	GB GRAB BAR	RB RUBBER BASE
ADJ ADJACENT	GC GENERAL CONTRACTOR	RC REFLECTED CEILING PLAN
AF ABOVE FINISHED FLOOR	GFCI GROUND FAULT CIRCUIT INTERRUPTER	RD ROOF DRAIN
AFG ABOVE FINISHED GRADE	GHM GALVANIZED HOLLOW METAL	RE REBAR
AGG AGGREGATE	GL GLASS	REF REFLECTED
AHU AIR HANDLING UNIT	GWB GYPSUM WALL BOARD	REFR REFERENCE, REFER
ALT ALTERNATE	GYP GYPSUM	REIN REQUIRED
ALU ALUMINUM	GYP BD GYPSUM BOARD	RESIL RESILIENT
ANC ANCHOR	H HB HOSE BIB	RH RANGE HOOD
AND ANODIZED	HC HOLLOW CORE	RM REVEAL JOINT
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE	HDWD HARDWOOD	RO ROOM
APC APPROXIMATELY	HW HARDWARE	RND ROUND
ARCH ARCHITECT	HM HOLLOW METAL	ROOF ROOF OPENING
AS REQ'D AS REQUIRED	HRZ HORIZONTAL	RTU ROOF UNIT
ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS	HSS HOLLOW STRUCTURAL STEEL	RV ROOF VENT
ATTN ATTENTION	HT HEIGHT	S SA SUPPLY
BD BOARD	HTG HEATING	SB SPAN BLOCK
BIT BITUMINOUS	HTR HEATER	SC SOLID CORE
BLDG BUILDING	HVAC HEATING, VENTILATION, & AIR CONDITIONING	SCHED SCHEDULE
BLK BLOCK	HW HOT WATER	SD SOAP DISPENSER
BLKG BLOCKING	I ID INSIDE DIAMETER	SECT SECTION
BM BEAM	IG INSULATED GLASS	SHV SHEET VINYL
BN BULLNOSE	IHM INSULATED GALVANIZED HOLLOW METAL	SHR SHOWER
BO BOTTOM OF	IN INCH	SHT SHEET
BOC BOTTOM OF CONCRETE	INC INCANDESCENT	SHTG SHEETING
BOT BOTTOM	INSUL INSULATED, INSULATION, INSULATING	SM SIMILAR
BRG BEARING	INT INTERIOR	SQ SQUARE
BUR BUILT-UP ROOFING	J JAN JANITOR	STD STANDARD
C CABINET	JB JUNCTION BOX	STL STEEL
CB CEMENT BOARD	JST JOIST	STN STAINLESS
CFCCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	JT JOINT	STOR STORAGE
CG CORNER GUARD	JM JAMMATE	STRUC STRUCTURAL
CHD CHALK BOARD	JL LAMINATE	SURF SURFACE
CI CAST IRON	LAV LAVATORY	SUSP SUSPENDED
CIP CAST-IN-PLACE	LVV LONG LEG VERTICAL	SYM SYMMETRICAL
CJ CONTROL JOINT	LGT LIGHTING	T T TEMPERED
CLG CLEAR	LVL LAMINATED VENEER LUMBER	T & G TONGUE & GROOVE
CMT CERAMIC MOSAIC TILE	LVR LOUVER	TACK TACK BOARD
CMU CONCRETE MASONRY UNIT	M MACH MACHINE	TEL TELEPHONE
CNTR CENTER	MACH MAXIMUM ATTAINABLE HEIGHT	TELECOM TELECOMMUNICATIONS
CO CLEAN OUT	MAN MANUF MANUFACTURER	TERR TERRAZZO
COL COLUMN	MAN MAXIMUM	THRU THROUGH
CONC CONCRETE	MB MARKER BOARD	TO TOP OF
CONST CONSTRUCTION	MC MECHANICAL CONTRACTOR	TOB TOP OF BEAM
COORD COORDINATE	MECH MECHANICAL	TOC TOP OF CONCRETE
CORR CORRIDOR	MEMB MEMBRANE	TOF TOP OF FOOTING
CP COMPOSITE PANEL	MEZZ MEZZANINE	TOP TOP FLANGE
CPT CARPET	MFG MANUFACTURER	TPD TOILET PAPER DISPENSER
CS CONCRETE SEALED	MIL MILLIMETER	TRN TRANSPARENT
CSK CONCRETE SINK	MISC MISCELLANEOUS	TUBE TUBE
CT CERAMIC TILE	MO MASONRY OPENING	TSTAT THERMOSTAT
CTR CENTER, CENTERED	MRGB MOISTURE RESISTANT GYPSUM BOARD	TV TYPICAL
CW CURTAIN WALL	MTC EMPTY CONDUIT	U UNIFORM
D DBL DOUBLE	MTD MOUNTED	UNO UNLESS NOTED OTHERWISE
DEMO DEMOLITION	MUL METAL	UNO UNLESS OTHERWISE NOTED
DEPT DEPARTMENT	MUL MULLION	UPS UNINTERRUPTIBLE POWER SUPPLY
DF DRINKING FOUNTAIN	N (N) NEW	UR URINAL
DIAM DIAMETER	N/A NOT APPLICABLE	V V VOLTS
DAG DIAGONAL	NFPA NATIONAL FIRE PROTECTION ASSOCIATION	VAV VARIABLE AIR SUPPLY VOLUME
DIM DIMENSION	NOT IN CONTRACT	VCV VINYL COMPOSITION TILE
DISP DISPENSER	NOM NOMINAL	VER VERIFY
DN DOWN	NTS NOT TO SCALE	VERT VERTICAL
DR DOOR	NUM NUMBER	VEST VESTIBULE
DS DOWNSPOUT	O OC ON CENTER	VSF VINYL SHEET FLOORING
DTL DETAIL	OD OVERFLOW DRAIN, OUTSIDE DIAMETER	VENT VENT
DW DISHWASHER	OFI OWNER FURNISHED, CONTRACTOR INSTALLED	VTR VINYL TRAP ROOF
DWG DRAWING	OH OWNER FURNISHED, OWNER INSTALLED	VWC VINYL WALL COVERING
DWL DOWEL	OPNG OPENING	W W WATTS
E (E) EXISTING	OPR OPPOSITE	W/O WITHOUT
EA EACH	OTS OPEN TO STRUCTURE	WC WATER CLOSET
EC ELECTRICAL CONTRACTOR	P P BD PARTICLE BOARD	WD WOOD
EFS EXTERIOR INSULATION AND FINISH SYSTEM	PA PUBLIC ADDRESS	WH WATER HEATER
EJ EXPANSION JOINT	PART PARTIAL	WP WATERPROOF
ELEV ELEVATION	PC PRE-CAST	WR WATER RESISTANT
ELEC ELECTRICAL	PCN PORCELAIN	W/W WEIGHT
EMERG EMERGENCY	PL PANEL JOINT	WW WINDOW WALL
ENAM ENAMEL	PL PROPERTY LINE	WWF WELDED WIRE FABRIC
ENCL ENCLOSURE	PLAM PLASTIC LAMINATE	
EQ EQUIPMENT	PLAS PLASTER	
EVTR ELEVATOR	PLT PLATE	
EXH EXHAUST	PLYWD PLYWOOD	
EXT EXISTING	PNT PANEL	
EXP EXPOSED	PAR PAIR	
EXT EXTERIOR	PREFIN PREFINISHED	
F FA FIRE ALARM	PRI PRIMARY	
FAL FAN COIL UNIT	PSP POUNDS PER SQUARE FOOT	
FD FLOOR DRAIN	PSI POUNDS PER SQUARE INCH	
FDN FOUNDATION	PT POINT	
FE FIRE EXTINGUISHER	PTN PARTITION	
FEC FIRE EXTINGUISHER CABINET	PVC POLYVINYL CHLORIDE	
FF FACTORY FINISH	PWR POWER	
FHC FIRE HOSE CABINET		
FHMS FLAT HEAD MACHINE SCREW		
FIN FINISH		
FIXT FIXTURE		
FLASH FLASHING		
FLEX FLEXIBLE		
FLUOR FLUORESCENT		
FLR FLOOR		
FPF FACE OF FINISH		
FR FRAME		
FRP FIBERGLASS REINFORCED POLYESTER		
FT FOOT		
FTG FOOTING		
FURR FURRING		
F.V. FIELD VERIFY		

ACCESSIBLE & STANDARD MOUNTING HEIGHTS - 2010 ADA STANDARD FOR ACCESSIBLE DESIGN AND ANSI A117.1



PLUMBING FIXTURES AND ACCESSORIES FOR ADULTS

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN - SECTION 604.9 ADVISORY SPECIFICATIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12	AGES 3 AND 4	AGES 5 THROUGH 8	AGES 9 THROUGH 12
WATER CLOSET CENTERLINE	12 INCHES	12 TO 15 INCHES	15 TO 18 INCHES
TOILET SEAT HEIGHT	11 TO 12 INCHES	12 TO 15 INCHES	15 TO 17 INCHES
GRAB BAR HEIGHT	18 TO 20 INCHES	20 TO 25 INCHES	25 TO 27 INCHES
DISPENSER HEIGHT	14 INCHES	14 TO 17 INCHES	17 TO 19 INCHES



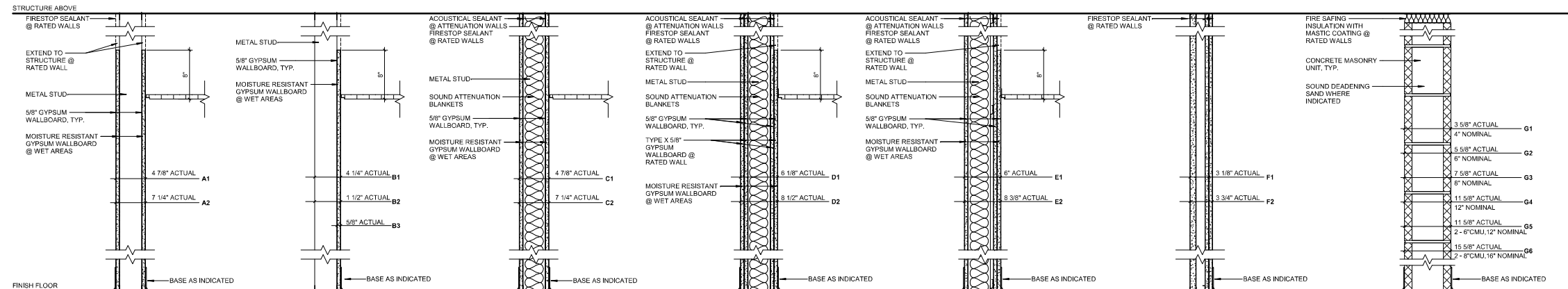
PLUMBING FIXTURES AND ACCESSORIES FOR CHILDREN

ARCHITECTURAL GENERAL NOTES

- THESE CONSTRUCTION DRAWING SHEETS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT MANUAL.
- WHEN DRAWINGS AND PROJECT MANUAL CONFLICT, BIDDER SHALL REQUEST WRITTEN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING. IF CLARIFICATION IS NOT OBTAINED PRIOR TO BIDDING, THE FOLLOWING SHALL BE USED TO DETERMINE SCOPE OF BID. MATERIAL SIZE AND QUANTITY SHALL BE DETERMINED BY DRAWINGS. QUALITY IS DETERMINED BY PROJECT MANUAL. FINAL DETERMINATION SHALL BE BY THE ARCHITECT OR ENGINEER PRIOR TO CONSTRUCTION OR FABRICATION.
- ERRORS ARE TO BE REPORTED IMMEDIATELY TO THE ARCHITECT.
- STRUCTURAL DRAWINGS GOVERN FOR SIZES, SPACING, AND CONNECTIONS OF ALL STRUCTURAL MATERIALS AND MEMBERS. IN THE CASE OF DISCREPANCIES, CONSULT WITH THE ARCHITECT/ENGINEER BEFORE COMMENCEMENT OF WORK.
- INSTALL VAPOR BARRIERS DIRECTLY BELOW ALL CONCRETE INTERIOR SLAB-ON-GRADE U.O.N. OR A WATERPROOFING MEMBRANE IS INDICATED.
- REFER TO STRUCTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF FLOOR OPENINGS. COORDINATE ADDITIONAL OPENINGS REQUIRED WITH STRUCTURAL ENGINEER.
- THE CONTRACTOR SHALL ARRANGE FOR THE PREMISES TO BE MAINTAINED IN AN ORDERLY MANNER THROUGHOUT THE COURSE OF THE JOB. MAINTAIN CLEANLINESS THROUGHOUT - DO NOT BLOCK EXITS, ENTRANCES, LOBBIES, CORRIDORS, ETC. PROTECT AREA FROM DAMAGE WHICH MAY OCCUR FROM DEMOLITION DUST, WATER, ETC. PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC. AS REQUIRED TO PROTECT THE PUBLIC DURING THE PERIOD OF CONSTRUCTION. DAMAGE OF EXISTING STRUCTURES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFTOVER MATERIALS, DEBRIS, TOOLS, AND EQUIPMENT INVOLVED AT THE CONCLUSION OF THE INSTALLATION. THE CONTRACTOR SHALL LEAVE ALL AREAS CLEAN. ALL FIXTURES AND REUSABLE MATERIALS TO BE REMOVED ARE TO BE STORED OR DISPOSED OF AS PER OWNERS INSTRUCTIONS.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT WORKERS FROM INJURY OR EXPOSURE TO DANGEROUS MATERIALS DURING THE WORK BY THE CONTRACTOR, AS PER OSHA REGULATIONS AND FIRE-WATCH AS PER THE SUPPLEMENTAL CONDITIONS IN THE PROJECT MANUAL.
- DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT / ENGINEER IF ADDITIONAL DIMENSIONS ARE REQUIRED OR DISCREPANCIES DISCOVERED.
- ALL EXISTING FACILITY DIMENSIONS ARE TO BE VERIFIED ON SITE.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SHOP DRAWING APPROVAL AND CONSTRUCTION. SEE PROJECT MANUAL WHERE FIELD VERIFICATION CANNOT BE OBTAINED PRIOR TO SHOP DRAWING APPROVAL.
- DIMENSIONS ARE ACTUAL DIMENSIONS FOR MASONRY WALLS ARE GIVEN FROM FACE TO FACE OF WALL. DIMENSIONS FOR STUD WALL IS TO FACE OF FINISH WALL OR TO CENTER OF WALL, NOT CENTER OF STUD.
- ABBREVIATIONS AND MATERIAL REPRESENTATIONS ON ARCHITECTURAL DRAWINGS ARE SHOWN ON 'ABBREVIATIONS' AND 'MATERIAL LEGEND' TABLES - THIS SHEET.
- SEE TYPICAL MOUNTING HEIGHTS FOR EQUIPMENT AND FIXTURES THIS SHEET.
- FOR ADDITIONAL PLAN INFORMATION REFER TO PARTIAL ENLARGED PLANS OR DETAILS AS NOTED ON THE DRAWINGS.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ANY ADDITIONAL STEEL PIPE BOLLARDS REQUIRED.
- PROVIDE FINISHED END OR FRONT PANELS ON ALL SURFACES OF CASEWORK THAT ARE EXPOSED TO VIEW.

MATERIAL LEGEND

BATT INSULATION		METAL STUDS	
BRICK		PLYWOOD	
CONCRETE BLOCK		RIGID INSULATION	
GRANULAR FILL		GROUT	
CONCRETE		STEEL	
EARTH		STONE	
EFS		WOOD	
GYPSUM WALLBOARD			



TYPE "A"	GYPSUM WALLBOARD WALLS	TYPE "B"	GYPSUM WALLBOARD WALLS	TYPE "C"	ATTENUATION WALLS	TYPE "D"	ATTENUATION WALLS	TYPE "E"	ATTENUATION WALLS	TYPE "F"	GYPSUM WALLBOARD SHAFTWALLS	TYPE "G"	MASONRY WALLS
A1 -	3/8" METAL STUD WITH 1 LAYER 5/8" GYPSUM WALLBOARD ON EACH SIDE (4 7/8") (UL-U438, U465 @ FIRE RATED WALL, 1HR)	B1 -	3/8" METAL STUD WITH 1 LAYER 5/8" GYPSUM WALLBOARD ON EACH SIDE (4 1/4") (UL-U419, U465 @ FIRE RATED WALL, 1HR)	C1 -	3/8" METAL STUD WITH 1 LAYER 5/8" GYPSUM WALLBOARD ON EACH SIDE (4 7/8") (UL-U419, U465 @ FIRE RATED WALL, 1HR)	D1 -	3/8" METAL STUD WITH 2 LAYERS 5/8" GYPSUM WALLBOARD ON EACH SIDE (6 1/8") (UL-U419, U465 @ FIRE RATED WALL, 2HR)	E1 -	3/8" METAL STUD WITH 2 LAYERS 5/8" GYPSUM WALLBOARD ON ONE SIDE, 1 LAYER 5/8" GYPSUM WALLBOARD ON THE OTHER SIDE (8 1/8") (SIMILAR TO UL-U453, 2HR)	F1 -	2 1/2" CH STUD WITH 1 LAYER 1" GYPSUM SHAFTLINER PANEL ON ONE SIDE, 1 LAYER 5/8" GYPSUM WALL BOARD ON THE OTHER SIDE. (3)	G1 -	4" CMU
A2 -	6" METAL STUD WITH 1 LAYER 5/8" GYPSUM WALLBOARD ON EACH SIDE (7 1/8") (SIMILAR TO UL-U438, U465 @ FIRE RATED WALL, 1HR)	B2 -	3/4" METAL STUD WITH 1 LAYER 5/8" GYPSUM WALLBOARD ON ONE SIDE (5 1/2") (SIMILAR TO UL-U419, U465 @ FIRE RATED WALL, 1HR)	C2 -	6" METAL STUD WITH 1 LAYER 5/8" GYPSUM WALLBOARD ON EACH SIDE (7 1/4") (SIMILAR TO UL-U419, U465 @ FIRE RATED WALL, 1HR)	D2 -	6" METAL STUD WITH 2 LAYERS 5/8" GYPSUM WALLBOARD ON EACH SIDE (8 1/2") (SIMILAR TO UL-U419, U465 @ FIRE RATED WALL, 2HR)	E2 -	1 LAYER 5/8" GYPSUM WALL BOARD ON THE OTHER SIDE (8 1/8") (SIMILAR TO UL-U453, 2HR)	F2 -	2 1/2" CH STUD WITH 1 LAYER 1" GYPSUM SHAFTLINER PANEL ON ONE SIDE, 2 LAYERS 5/8" GYPSUM WALL BOARD ON THE OTHER SIDE. (3)	G2 -	6" CMU
		B3 -	5/8" METAL STUD WITH 1 LAYER 5/8" GYPSUM WALLBOARD ON EACH SIDE (6 1/8") (SIMILAR TO UL-U419, U465 @ FIRE RATED WALL, 1HR)								G3 -	12" CMU	
												G4 -	12" CMU
												G5 -	2 WYTHES OF 8" CMU
												G6 -	2 WYTHES OF 8" CMU

WALL TYPES

SCALE: 1 1/2" = 1'-0" NOTE: REFER TO UL FIRE-RESISTANCE DESIGN FOR ADDITIONAL INFORMATION @ FIRE RATED WALLS

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GENERAL NOTES AND LEGENDS

CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED: 08/29/2023
 REV. NO. DATE
 PROJECT NUMBER: 2023402
 SHEET: AG1.1

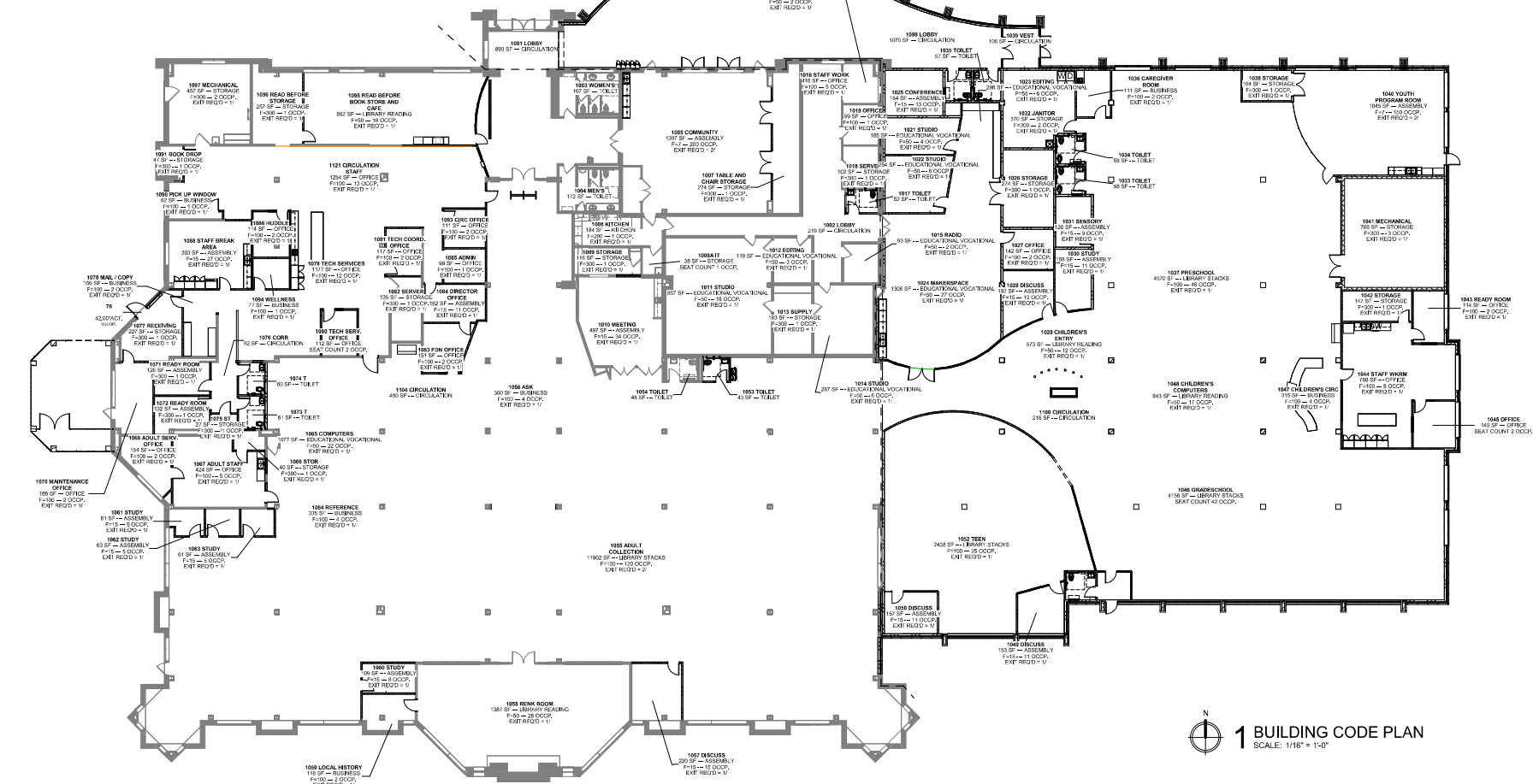
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OCCUPANCY LOAD SCHEDULE						
NUMBER	NAME	FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	OCCUPANT LOAD FOR PLUMBING CALCULATION
1000	ARCADÉ	ASSEMBLY	1478 SF	15	99	
1001	LOBBY	CIRCULATION	890 SF	0		
1002	LOBBY	CIRCULATION	219 SF	0		
1003	WOMENS	TOILET	162 SF	0		
1004	MENS	TOILET	172 SF	0		
1005	COMMUNITY	ASSEMBLY	1397 SF	7	200	
1006	STORAGE	STORAGE	59 SF	300	1	
1007	TABLE AND CHAIR STORAGE	STORAGE	274 SF	300	1	
1008	KITCHEN	KITCHEN	184 SF	200	1	
1008A	IT	STORAGE	38 SF	300	1	
1009	STORAGE	STORAGE	116 SF	300	1	
1010	MEETING	ASSEMBLY	492 SF	15	34	
1011	STUDIO	EDUCATIONAL VOCATIONAL	857 SF	50	18	
1012	EDITING	EDUCATIONAL VOCATIONAL	119 SF	50	3	
1013	SUPPLY	STORAGE	183 SF	300	1	
1014	STUDIO	EDUCATIONAL VOCATIONAL	292 SF	50	6	
1015	RADIO	EDUCATIONAL VOCATIONAL	93 SF	50	2	
1016	STAFF WORK	OFFICE	416 SF	100	5	
1017	TOILET	TOILET	52 SF	0		
1018	SERVER	STORAGE	102 SF	300	1	
1019	OFFICE	OFFICE	99 SF	100	1	
1020	RADIO	EDUCATIONAL VOCATIONAL	94 SF	50	2	
1021	STUDIO	EDUCATIONAL VOCATIONAL	185 SF	50	4	
1022	STUDIO	EDUCATIONAL VOCATIONAL	254 SF	50	6	
1023	EDITING	EDUCATIONAL VOCATIONAL	298 SF	50	6	
1024	MAKERSPACE	EDUCATIONAL VOCATIONAL	1306 SF	50	27	
1025	CONFERENCE	ASSEMBLY	184 SF	15	13	
1026	STORAGE	STORAGE	274 SF	300	1	
1027	OFFICE	OFFICE	142 SF	100	2	
1028	DISCUSS	ASSEMBLY	192 SF	15	13	
1029	CHILDREN'S ENTRY	LIBRARY READING	573 SF	50	12	
1030	STUDY	ASSEMBLY	158 SF	15	11	
1031	SENSORY	ASSEMBLY	126 SF	15	9	
1032	JANITOR	STORAGE	370 SF	300	2	
1033	TOILET	TOILET	58 SF	0		
1034	TOILET	TOILET	58 SF	0		
1035	TOILET	TOILET	57 SF	0		
1036	CAREGIVER ROOM	BUSINESS	111 SF	100	2	
1037	PRESCHOOL	LIBRARY STACKS	4570 SF	100	46	
1038	STORAGE	STORAGE	104 SF	300	1	
1039	VEST	CIRCULATION	106 SF	0		
1040	YOUTH PROGRAM ROOM	ASSEMBLY	1045 SF	7	150	
1041	MECHANICAL	STORAGE	766 SF	300	3	
1042	STORAGE	STORAGE	147 SF	300	1	
1043	READY ROOM	OFFICE	114 SF	100	2	
1044	STAFF WORK	OFFICE	768 SF	100	8	
1045	OFFICE	OFFICE	140 SF	100	2	
1046	GRADESCHOOL	LIBRARY STACKS	4156 SF	100	42	
1047	CHILDREN'S CIRC	BUSINESS	315 SF	100	10	
1048	CHILDREN'S COMPUTERS	LIBRARY READING	843 SF	50	17	
1049	DISCUSS	ASSEMBLY	153 SF	15	11	
1050	DISCUSS	ASSEMBLY	157 SF	15	11	

OCCUPANCY LOAD SCHEDULE						
NUMBER	NAME	FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	OCCUPANT LOAD FOR PLUMBING CALCULATION
1052	TEEN	LIBRARY STACKS	2438 SF	100	25	
1053	TOILET	TOILET	43 SF	0		
1054	TOILET	TOILET	48 SF	0		
1055	ADULT COLLECTION	LIBRARY STACKS	11902 SF	100	120	
1056	ASK	BUSINESS	360 SF	100	4	
1057	DISCUSS	ASSEMBLY	220 SF	15	15	
1058	RENK ROOM	LIBRARY READING	1387 SF	50	28	
1059	LOCAL HISTORY	BUSINESS	118 SF	100	2	
1060	STUDY	ASSEMBLY	109 SF	15	6	
1061	STUDY	ASSEMBLY	61 SF	15	5	
1062	STUDY	ASSEMBLY	63 SF	15	5	
1063	STUDY	ASSEMBLY	115 SF	15	6	
1064	REFERENCE	BUSINESS	335 SF	100	4	
1065	COMPUTERS	EDUCATIONAL VOCATIONAL	1077 SF	50	22	
1066	STOR	STORAGE	40 SF	300	1	
1067	ADULT STAFF	OFFICE	424 SF	100	6	
1068	ADULT SERV. OFFICE	OFFICE	154 SF	100	2	
1069	TOILET	TOILET	56 SF	0		
1070	MAINTENANCE OFFICE	OFFICE	188 SF	100	2	
1071	READY ROOM	ASSEMBLY	126 SF	300	1	
1072	READY ROOM	ASSEMBLY	132 SF	300	1	
1073	T	TOILET	61 SF	0		
1074	T	TOILET	60 SF	0		
1076	ST	STORAGE	27 SF	300	1	
1076	CORR	CIRCULATION	92 SF	0		
1077	RECEIVING	STORAGE	227 SF	300	1	
1078	MAL / COPY	BUSINESS	156 SF	100	2	
1079	TECH SERVICES	OFFICE	1177 SF	100	12	
1080	TECH SERV. OFFICE	OFFICE	112 SF	100	2	
1081	TECH COORD. OFFICE	OFFICE	117 SF	100	2	
1082	SERVER	STORAGE	135 SF	300	1	
1083	FOUN OFFICE	OFFICE	151 SF	100	2	
1084	DIRECTOR OFFICE	ASSEMBLY	162 SF	15	11	
1085	ADMIN	OFFICE	99 SF	100	1	
1088	HUDDLE	OFFICE	114 SF	100	2	
1087	TOILET	TOILET	59 SF	0		
1088	STAFF BREAK AREA	ASSEMBLY	393 SF	15	27	
1089	STORAGE	STORAGE	14 SF	300	1	
1090	PICK UP WINDOW	BUSINESS	62 SF	100	1	
1091	BOOK DROP	STORAGE	47 SF	300	1	
1092	VEST	STORAGE	70 SF	0		
1093	CIRC OFFICE	OFFICE	111 SF	100	2	
1094	WELLNESS	BUSINESS	77 SF	100	1	
1095	READ BEFORE BOOK STORE AND CAFE	LIBRARY READING	882 SF	50	18	
1096	READ BEFORE STORAGE	STORAGE	257 SF	300	1	
1097	MECHANICAL	STORAGE	457 SF	300	2	
1098	LOBBY	CIRCULATION	1070 SF	0		
1100	CIRCULATION	CIRCULATION	216 SF	0		
1101	CIRCULATION	CIRCULATION	208 SF	0		
1102	CIRCULATION	CIRCULATION	1745 SF	0		
1104	CIRCULATION	CIRCULATION	490 SF	0		
1121	CIRCULATION STAFF	OFFICE	1254 SF	100	13	
			54967 SF		1142	0

FIRE SEPARATION LEGEND

--- 1 HOUR FIRE BARRIER (60M DOORS, W-60M FIRE-RESISTANCE-RATED ASSEMBLIES)



1 BUILDING CODE PLAN
SCALE: 1/16" = 1'-0"

CODE PLAN LEGEND

- TRAVEL DISTANCE 1'-0"
- TRAVEL DISTANCE TAG
EXIST ACCESS TRAVEL DISTANCE PER BC2012 1016.1
- ROOM TAG
ROOM NUMBER ROOM NAME
AREA (SF) - FUNCTION OF SPACE PER TABLE 1004.1.2
OCCUPANT LOAD FACTOR - OCCUPANT LOAD
EXITS REQUIRED - EXIST PROVIDED
- CORRIDOR TAG
ASSIGNED OCCUPANT LOAD ON THE CORRIDOR
ALLOWED OCCUPANT LOAD ON THE CORRIDOR
CLEAR CORRIDOR WIDTH
- DOOR TAG
DOOR NUMBER - FIRE RATING (IF APPLICABLE)
OCCUPANT LOAD SERVED / PANIC HARDWARE
REQUIRED WIDTH / ACTUAL WIDTH
SINGLE OR DOUBLE DOOR / SPRINKLER OR NON-SPRINKLER
- STAIR TAG
ROOM NUMBER ROOM NAME
OCCUPANT LOAD SERVED - FIRE RATING
REQUIRED WIDTH / ACTUAL WIDTH (BETWEEN HANDRAIL ON BOTH SIDES)
EXCEPTION USED (IF OPEN STAIR)

CODE INFORMATION

- PROJECT DESCRIPTION:**
Public Library renovation and addition in Sun Prairie Wisconsin
- APPLICABLE CODES:**
2015 - INTERNATIONAL BUILDING CODE
2018 - INTERNATIONAL MECHANICAL CODE
2018 - UNIFORM PLUMBING CODE
2018 - INTERNATIONAL FUEL GAS CODE
2012 - INTERNATIONAL ENERGY CODE
2015 - INTERNATIONAL EXISTING BUILDING CODE
2017 - NATIONAL ELECTRICAL CODE
2015 - INTERNATIONAL FIRE CODE
2010 - ADAAG
- CODES/REGULATIONS UTILIZED IN DESIGN:**
2015 - INTERNATIONAL BUILDING CODE AS EDITED BY THE WI ADMINISTRATIVE CODE
- OCCUPANCY TYPE (CHAPTER 3)**
TYPE III - OCCUPANCY
- BUILDING HEIGHTS AND AREAS (CHAPTER 5)**
BASIC ALLOWABLE
63,981 GROSS SQ.FT.
1 STORIES
35'-0" HIGH ABOVE GRADE
- PROPOSED BUILDING**
63,981 GROSS SQ.FT.
GROUND LEVEL 63,981 SF
UPPER LEVEL 0 SF
1 STORY
35'-0" HIGH ABOVE GRADE
BUILDING PARAMETER = 1,400 FEET
BUILDING FRONTAGE = 363 FEET
TYPE 3A OCCUPANCY = 5 SF
TYPE 3A OCCUPANCY = 5 SF
- TYPES OF CONSTRUCTION (CHAPTER 6)**
TYPE 5B CONSTRUCTION
- FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)**
PRIMARY STRUCTURAL FRAME _____ HOUR
BEARING WALLS _____ HOUR
EXTERIOR _____ HOUR
INTERIOR _____ HOUR
NONBEARING WALLS AND PARTITIONS - EXTERIOR _____ HOUR
NONBEARING WALLS AND PARTITIONS - INTERIOR _____ HOUR
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS _____ HOUR
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS _____ HOUR
- FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (TABLE 602)**
X < 5 FT _____ HOUR
5 FT < X < 10 FT _____ HOUR
10 FT < X < 30 FT _____ HOUR
X > 30 FT _____ HOUR
- FIRE AND SMOKE PROTECTION FEATURES (CHAPTER 7)**
EXTERIOR OPENING REQUIREMENTS (TABLE 705.8)
- FIRE PROTECTION SYSTEMS (CHAPTER 8)**
FIRE ALARM _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
FIRE ALARM CONTROL PANEL _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
REMOTE ANNUNCIATOR PANEL _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
SMOKE DETECTION _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
HEAT DETECTION _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
FIRE PUMP _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
BACKUP POWER _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
SUPPRESSION - STANDPIPES _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
SUPPRESSION - AUTOMATIC SPRINKLER _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
FIRE EXTINGUISHERS _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
TYPE I COMMERCIAL HOOD _____ REQUIRED-PROVIDED / NOT REQUIRED-NOT PROVIDED
- WATER SUPPLY - FLOW TESTS**
STATIC _____
RESIDUAL _____
FLOW _____
DATE AND LOCATION _____
DATE OF ORIGINAL SYSTEM INSTALLATION _____
- MEANS OF EGRESS (CHAPTER 10)**
1004 DESIGN OCCUPANT LOADS
TOTAL OCCUPANTS _____
1005.1 EGRESS WIDTH
MEANS OF EGRESS CAPACITY FACTOR = _____ INCH (1005.3.2)
1006 MEANS OF EGRESS ILLUMINATION
TO BE ILLUMINATED ALL TIMES (1008.2)
1009.1 ACCESSIBLE MEANS OF EGRESS
1 MOE = 1 REQUIRED
MORE THAN 2 MOE = NOT LESS THAN TWO REQUIRED
1010.1.1 WIDTH OF DOOR
MINIMUM CLEAR WIDTH OF 32 INCHES
1010.1.2.1 DOOR SWING
SWING IN THE DIRECTION OF EGRESS TRAVEL (80 OR MORE OCCUPANT LOAD)
1015.1 EXIT SIGNS
NO MORE THAN 100 FEET VIEWING DISTANCE
1015.1.1015.8 EXIT SIGN ILLUMINATION
EXIT SIGNS SHOULD BE INTERNALLY OR EXTERNALLY ILLUMINATED
1017.2 EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)
FEET WITH SPRINKLER _____
FEET PER _____
1020.2 MINIMUM CORRIDOR WIDTH (TABLE 1020.2)
ANY FACILITIES NOT LISTED BELOW _____ 44 INCHES
ACCESS TO AND UTILIZATION OF EQUIPMENT _____ 24 INCHES
WITH AN OCCUPANT LOAD OF LESS THAN 50 _____ 36 INCHES
WITHIN A DWELLING UNIT _____ 36 INCHES
IN GROUP E WITH A CORRIDOR HAVING AN _____ 72 INCHES
OCCUPANT LOAD OF 100 OR MORE _____ 72 INCHES
IN CORRIDORS AND AREAS SERVING STRETCHER _____ 72 INCHES
TRAFFIC IN AMBULATORY CARE FACILITIES _____ 96 INCHES
GROUP I-2 IN AREAS WHERE REQUIRED FOR _____ 96 INCHES
BED MOVEMENT _____
1020.4 DEAD ENDS
FEET PER _____
- 1022 EXITS**
AS SHOWN ON THE PLAN
1023.1 EXIT DISCHARGE
EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING
- ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (CHAPTER 14)**
1505.1 FIRE CLASSIFICATION (TABLE 1505.1)
MINIMUM ROOF COVERING CLASSIFICATION _____
- PLUMBING SYSTEMS (CHAPTER 20)**
MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (TABLE 2002.1)
WATER _____
CLOSETS _____ LAVATORIES _____ DRINKING _____ SERVICE _____
FOUNTAIN _____ FOUNTAIN _____ SINK _____
MALE _____ FEMALE _____
TOTAL _____
REQUIRED 5 10 5 2
PROVIDED 5 10 11 3 1 2
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN**
208 PARKING SPACES
PARKING SPACES PROVIDED _____ (INCLUDING _____ VAN PARKING)
ACCESSIBLE PARKING SPACES PROVIDED _____

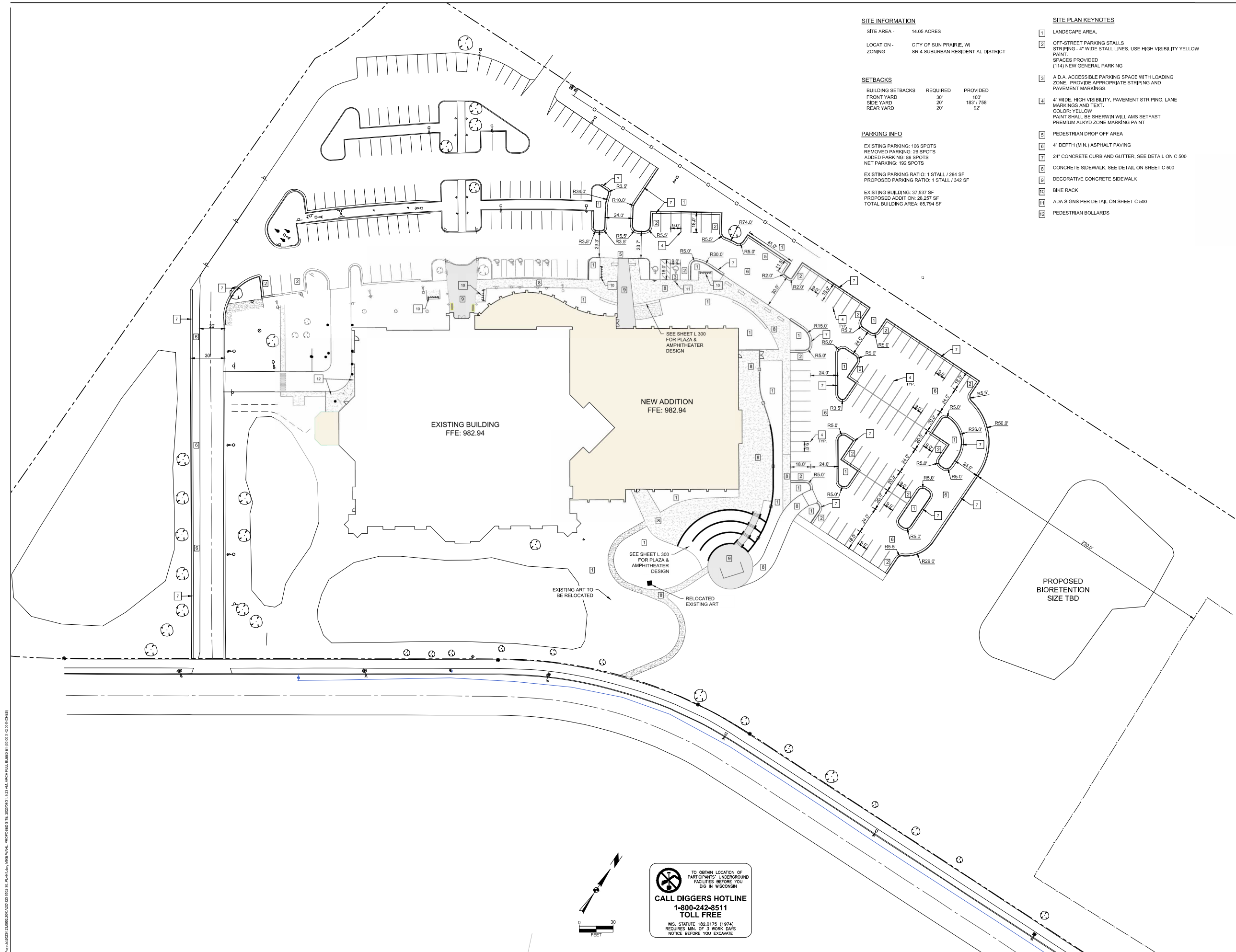
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SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

AG1.2

PROJECT NUMBER 2023402
DATE ISSUED 08/29/2023
REV. NO. DATE

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SITE INFORMATION
 SITE AREA - 14.05 ACRES
 LOCATION - CITY OF SUN PRAIRIE, WI
 ZONING - SR-4 SUBURBAN RESIDENTIAL DISTRICT

SETBACKS

BUILDING SETBACKS	REQUIRED	PROVIDED
FRONT YARD	30'	103'
SIDE YARD	20'	183' / 758'
REAR YARD	20'	92'

PARKING INFO
 EXISTING PARKING: 106 SPOTS
 REMOVED PARKING: 26 SPOTS
 ADDED PARKING: 86 SPOTS
 NET PARKING: 192 SPOTS

EXISTING PARKING RATIO: 1 STALL / 284 SF
 PROPOSED PARKING RATIO: 1 STALL / 342 SF

EXISTING BUILDING: 37,537 SF
 PROPOSED ADDITION: 28,257 SF
 TOTAL BUILDING AREA: 65,794 SF

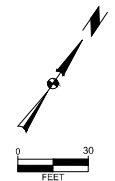
- SITE PLAN KEYNOTES**
- 1 LANDSCAPE AREA.
 - 2 OFF-STREET PARKING STALLS STRIPING - 4" WIDE STALL LINES, USE HIGH VISIBILITY YELLOW PAINT. SPACES PROVIDED (114) NEW GENERAL PARKING.
 - 3 A.D.A. ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS.
 - 4 4" WIDE, HIGH VISIBILITY, PAVEMENT STRIPING, LANE MARKINGS AND TEXT. COLOR: YELLOW PAINT SHALL BE SHERWIN WILLIAMS SETFAST PREMIUM ALKYD ZONE MARKING PAINT
 - 5 PEDESTRIAN DROP OFF AREA
 - 6 4" DEPTH (MIN.) ASPHALT PAVING
 - 7 24" CONCRETE CURB AND GUTTER, SEE DETAIL ON C 500
 - 8 CONCRETE SIDEWALK, SEE DETAIL ON SHEET C 500
 - 9 DECORATIVE CONCRETE SIDEWALK
 - 10 BIKE RACK
 - 11 ADA SIGNS PER DETAIL ON SHEET C 500
 - 12 PEDESTRIAN BOLLARDS

EXISTING BUILDING
 FFE: 982.94

NEW ADDITION
 FFE: 982.94

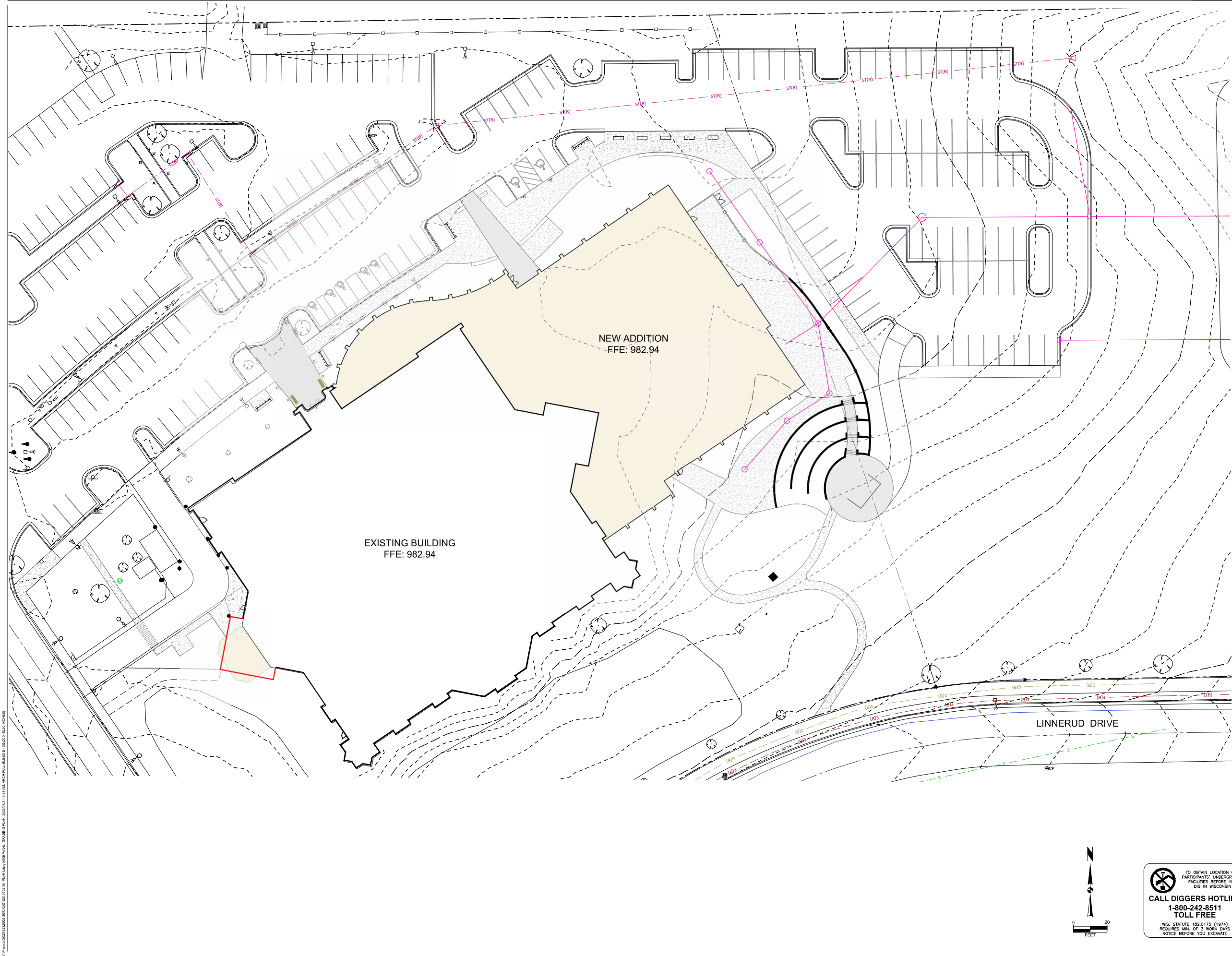
RELOCATED EXISTING ART

PROPOSED BIORETENTION
 SIZE TBD




TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE

WS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



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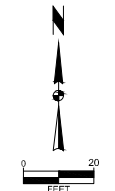

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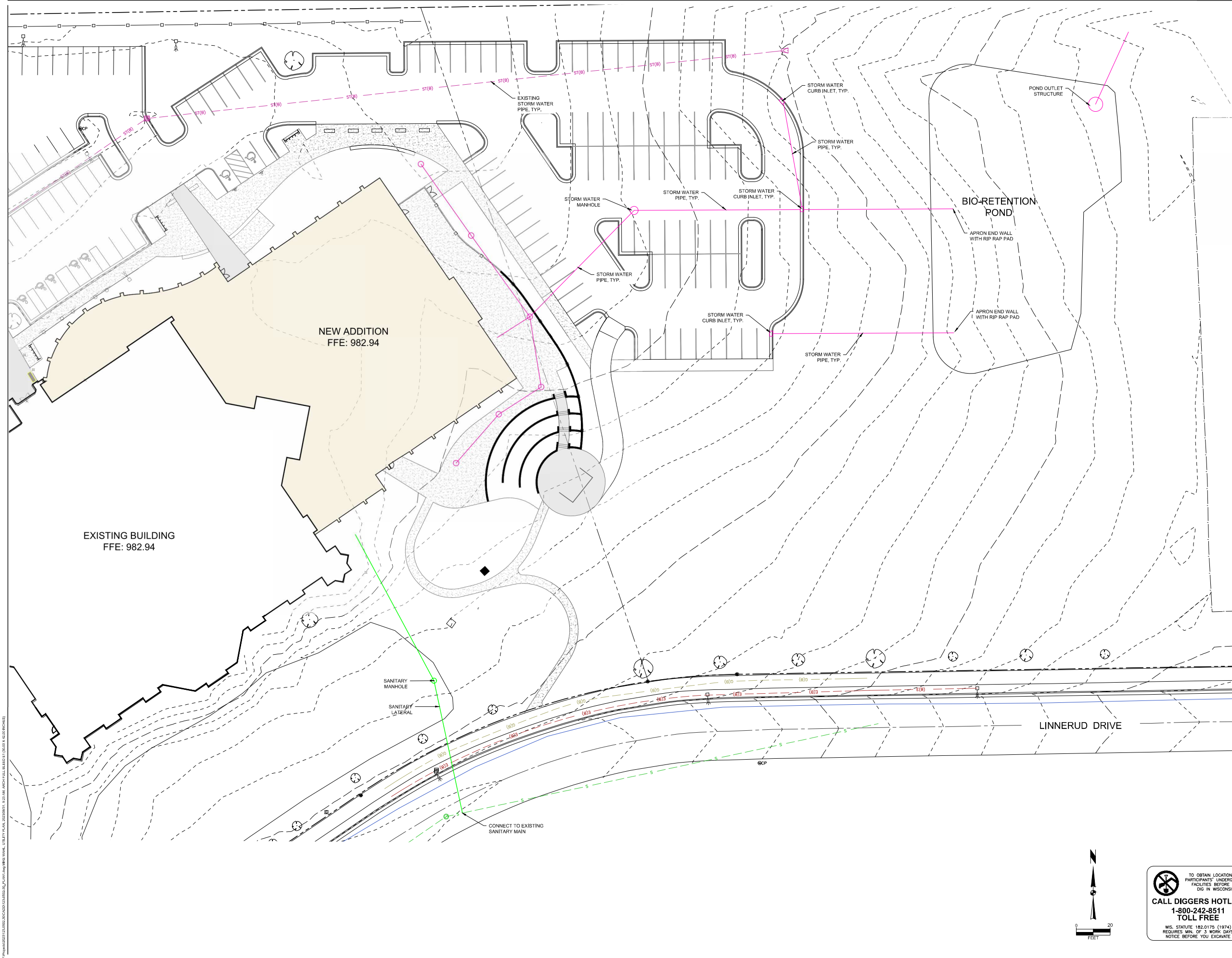
SHEET TITLE
GRADING PLAN

PROJECT TITLE
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 1350 LINNERUD DR.
 SUN PRARIE, WISCONSIN

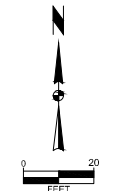
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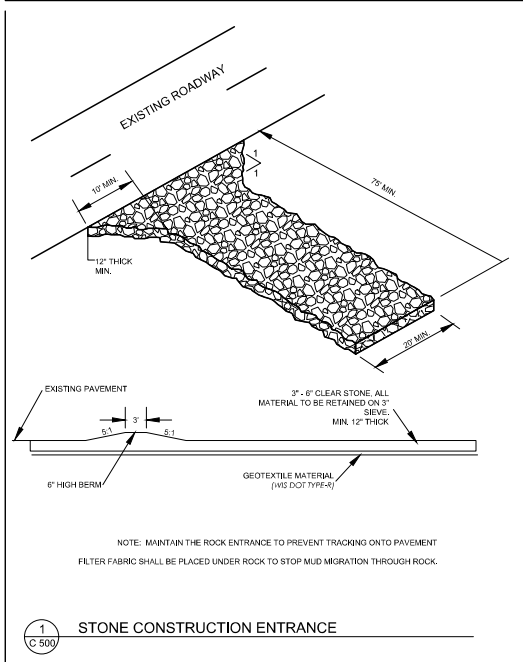


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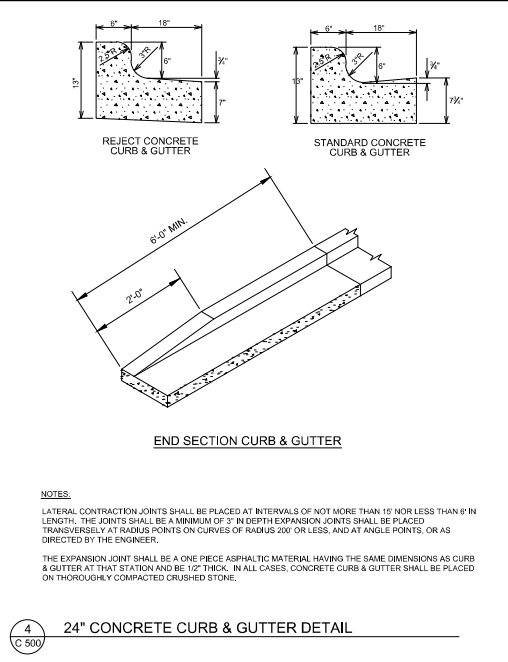



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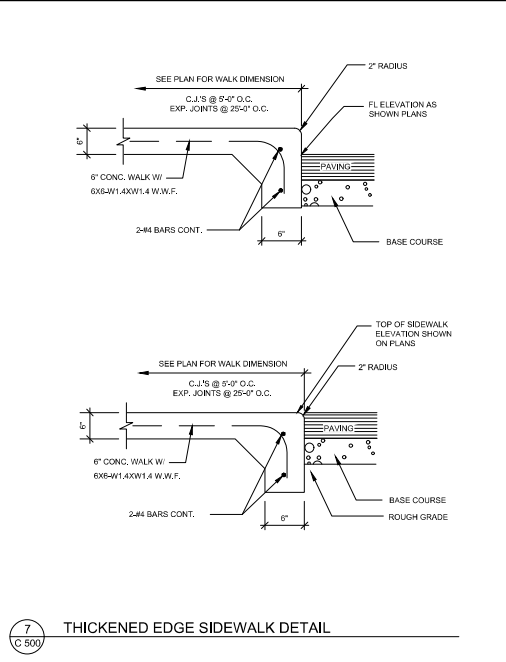
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<small>PROJECT TITLE</small> SUN PRAIRIE LIBRARY 1350 LINNERUD DR. SUN PRAIRIE, WISCONSIN		<small>PROJECT NUMBER</small> 123.0502.30
<small>DATE ISSUED</small> AUGUST 31, 2023		<small>SHEET</small> C 401



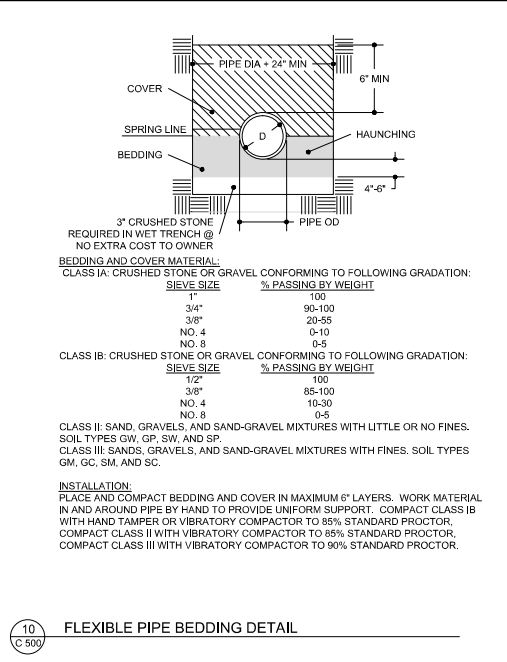
1 C 500 STONE CONSTRUCTION ENTRANCE



4 C 500 24\"/>

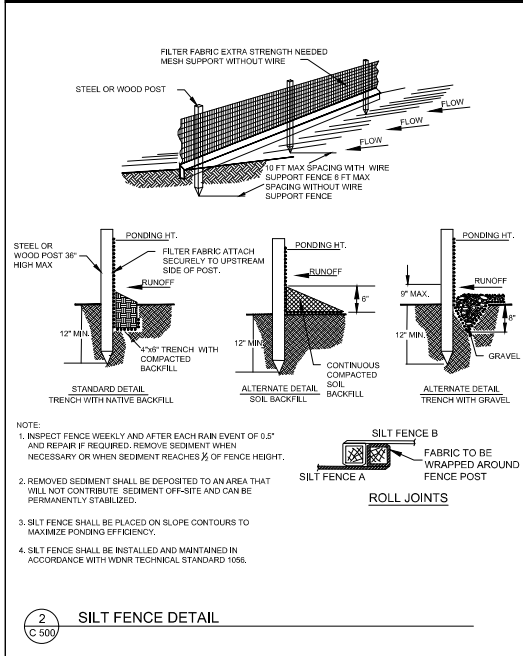


7 C 500 THICKENED EDGE SIDEWALK DETAIL

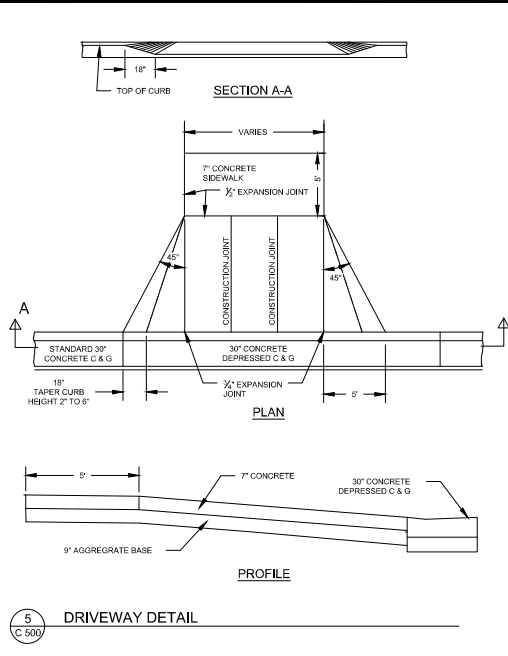


10 C 500 FLEXIBLE PIPE BEDDING DETAIL

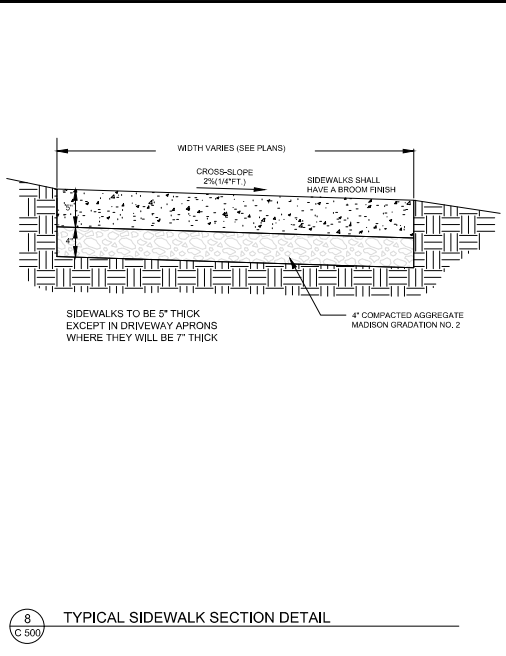
13 C 500 NOT USED



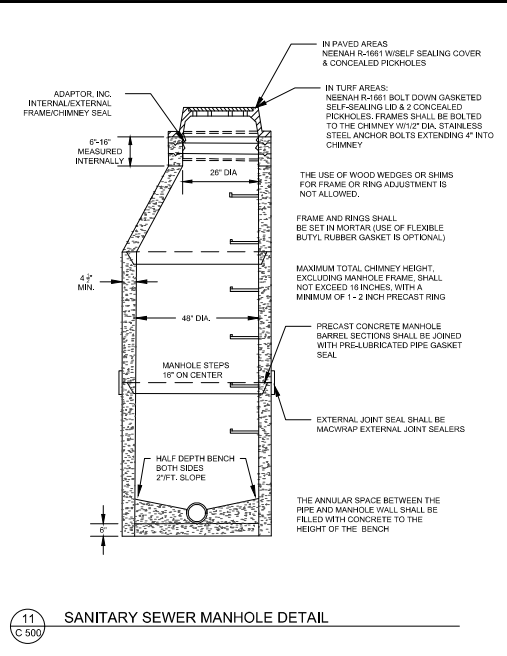
2 C 500 SILT FENCE DETAIL



5 C 500 DRIVEWAY DETAIL

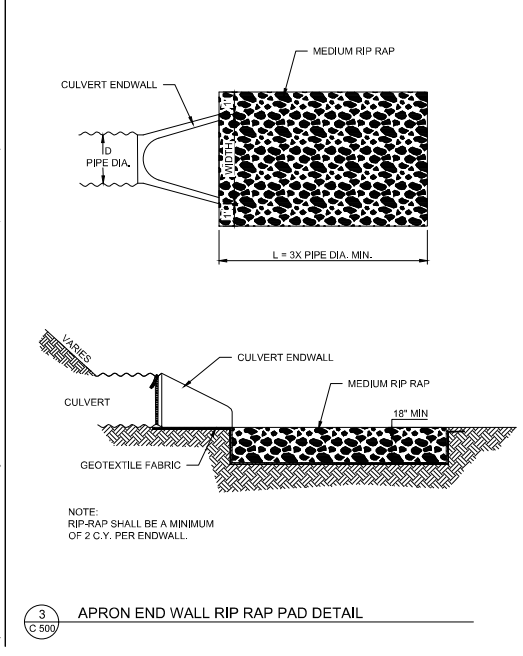


8 C 500 TYPICAL SIDEWALK SECTION DETAIL

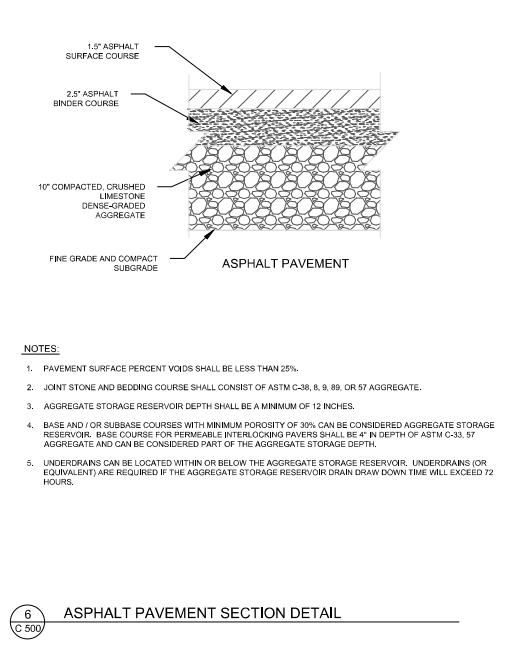


11 C 500 SANITARY SEWER MANHOLE DETAIL

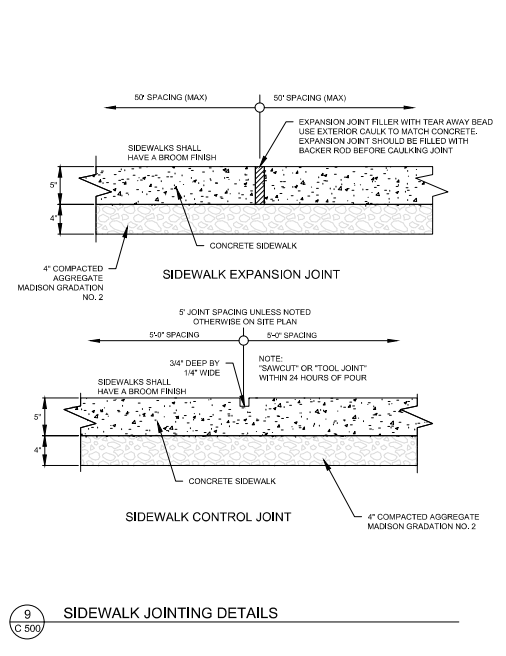
14 C 500 NOT USED



3 C 500 APRON END WALL RIP RAP PAD DETAIL



6 C 500 ASPHALT PAVEMENT SECTION DETAIL



9 C 500 SIDEWALK JOINTING DETAILS

12 C 500 NOT USED

15 C 500 NOT USED

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1350 LINNERUD DR.
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DATE ISSUED

AUGUST 31, 2023

PROJECT NUMBER

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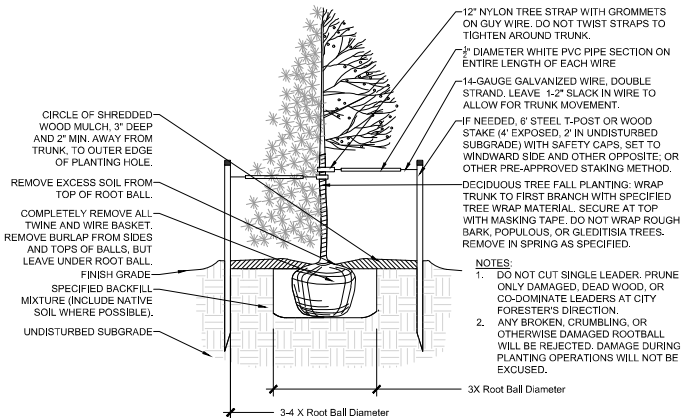
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GENERAL LANDSCAPE NOTES

- UTILITY WARNING: THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS AS CLOSELY AS POSSIBLE. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE. OVERALL PLANT QUANTITY AND QUALITY SHALL BE CONSISTENT WITH THE PLANS.
- ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).
- MULCH SHALL NOT BE PLACED AROUND THE COLLAR OF SHRUB OR TREE. PROVIDE A MINIMUM OF 2" BETWEEN MULCH AND COLLAR OF SHRUB OR TREE.
- ALL PLANT MATERIAL SHALL BE GROWN IN ZONE CAPABLE OF WITHSTANDING LOCAL CLIMATE AND GROWING CONDITIONS.
- TREE OR SHRUB SHALL STAND PLUMB. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACK FILLING.
- LIVE PLANTS CAN BE PLANTED IN THE FIELD DURING THE GROWING SEASON FROM MAY 1 THROUGH OCTOBER 1. ANY SUGGESTED PLANTING TIMES NOT IN THIS WINDOW SHALL BE APPROVED BY LANDSCAPE ARCHITECT. IF PLANTING OCCURS OUTSIDE OF THIS WINDOW, ADDITIONAL MEASURES MAY NEED TO BE TAKEN (I.E. MULCH) TO ENSURE PLANT SURVIVAL. IN THESE INSTANCES, THE CONTRACT PRICE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- PLANTS SHOULD BE WATERED IN AFTER INSTALLATION TO ENSURE THEIR SURVIVAL. THIS TYPICALLY INVOLVES WATERING AT TIME OF INSTALLATION AND 2 TIMES WEEKLY FOR A ONE MONTH PERIOD OR UNTIL GROUND FREEZE UP IF NATURAL RAINFALLS ARE INSUFFICIENT. A SINGLE WATERING EVENT INVOLVES WATERING THE SOIL IN THE PLANTED AREAS TO THE POINT OF SATURATION BUT STOPPING SHORT OF SOIL DISPLACEMENT. SHOULD VERY DRY CONDITIONS DEVELOP WITHIN ONE YEAR OF PLANTING, ADDITIONAL WATERINGS MAY BE NECESSARY. CONSULTANT OR LANDSCAPE ARCHITECT WILL DETERMINE THIS AND CONTRACT PRICES MAY BE ADJUSTED TO ACCOMMODATE THIS ACTION.
- ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY, HEALTHY, FREE OF DISEASE AND INSECTS AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS. PLANTS SHALL ALSO BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT VIGOROUS GROWTH.
- ALL PROPOSED PLANTS SHALL BE LOCATED AS SHOWN ON PLANS. ALL TREES TO BE PLANTED A MINIMUM DISTANCE OF 5 FEET FROM PAVEMENTS AND 6 FEET FROM ALL HYDRANTS.
- CONTRACTOR IS RESPONSIBLE FOR PLANTS AWAITING INSTALLATION AND SHALL PROTECT THEM FROM INJURY AND THEFT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES. GRAPHIC QUANTITIES TAKES PRECEDENCE OVER WRITTEN QUANTITIES.
- THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE OWNER'S REPRESENTATIVE MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ON-SITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
- THE OWNER'S REPRESENTATIVE MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH OWNER'S REPRESENTATIVE PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS. SUBMIT CHANGE ORDER REQUEST TO OWNER'S REPRESENTATIVE FOR APPROVAL IF ADDITIONAL COST IS REQUESTED BY THE CONTRACTOR PRIOR TO INSTALLATION. RE-STOCKING CHARGES WILL NOT BE APPROVED IF THE CONTRACTOR FAILS TO SUBMIT A REQUEST FOR MATERIAL CHANGES.
- THE CONTRACTOR SHALL WARRANTY ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- LANDSCAPE MATERIAL LOCATIONS SHALL HAVE PRECEDENCE OVER IRRIGATION MAINLINE AND LATERAL LOCATIONS. IF IRRIGATION IS INCLUDED, COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE MATERIAL.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2%; MAXIMUM SLOPE SHALL BE 2% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENE TO A DEPTH OF 8" - 12".
- ALL LANDSCAPED AREAS ARE TO RECEIVE ORGANIC SOIL PREPARATION PER RATE IDENTIFIED BY A SOIL TEST.
- TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
- THE CENTER OF EVERGREEN TREES SHALL NOT BE PLACED CLOSER THAN 8' AND THE CENTER OF ORNAMENTAL TREES CLOSER THAN 6' FROM A SIDEWALK, STREET OR DRIVE LANE. EVERGREEN TREES SHALL NOT BE LOCATED ANY CLOSER THAN 15' FROM IRRIGATION ROTOR HEADS. NOTIFY OWNER'S REPRESENTATIVE IF TREE LOCATIONS CONFLICT WITH THESE STANDARDS FOR FURTHER DIRECTION.
- ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
- ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS FOR A PERIOD OF 1 YEAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING STAKES AT THE END OF 1 YEAR FROM ACCEPTANCE OF LANDSCAPE INSTALLATION BY THE OWNER'S REPRESENTATIVE. OBTAIN APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
- ALL TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE HAND DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY OWNER'S REPRESENTATIVE PRIOR TO DOING WORK.
- ALL TREES IN SEED OR TURF AREAS SHALL RECEIVE MULCH RINGS. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE FOR ANY TREES THAT WILL NOT BE MULCHED FOR EXCESSIVE MOISTURE REASONS.
- EXISTING TURF AREAS THAT ARE DISTURBED DURING CONSTRUCTION, ESTABLISHMENT AND THE MAINTENANCE PERIOD SHALL BE RESTORED WITH NEW SOIL TO MATCH EXISTING TURF SPECIES. DISTURBED NATIVE AREAS WHICH ARE TO REMAIN SHALL BE OVER SEEDED AND RESTORED WITH SPECIFIED SEED MIX.
- WHEN COMPLETE, ALL GRADES SHALL BE WITHIN +/- 18" OF FINISHED GRADES AS SHOWN ON THE PLANS.

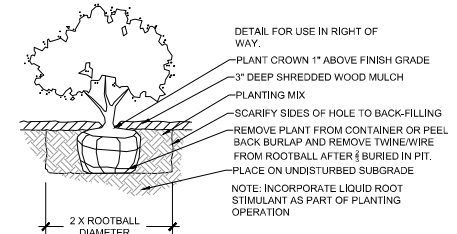
- WHEN PLANTER POTS ARE SHOWN ON PLANS, CONTRACTOR SHALL INCLUDE THE FOLLOWING: PLANTER MIX, ANNUAL FLOWER PLANTING PROGRAM (INCLUDES 2 PLANTINGS FOR THE 1ST YEAR (SPRING AND FALL) AND WINTER HAND-WATERING AS NEEDED, UNLESS OTHERWISE SPECIFIED, CONTRACTOR TO PROVIDE ANNUAL PLANTING SELECTION FOR REVIEW BY OWNER. IRRIGATION FOR PLANTERS TO BE ON SEPARATE ZONE(S). CONTRACTOR TO COORDINATE PLACEMENT OF NECESSARY SLEEVING PRIOR TO PLACEMENT OF PAVEMENT.
- PRIOR TO THE PLACEMENT OF MULCH AND WEED FABRIC, A GRANULAR, PRE-EMERGENT, WEED CONTROL AGENT SHALL BE ADDED TO ALL PLANTING BEDS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION, EXCEPT AROUND ORNAMENTAL GRASSES.
- THE CONTRACTOR IS EXPECTED TO KNOW AND UNDERSTAND THE CITY AND COUNTY SPECIFICATIONS FOR LANDSCAPE AND IRRIGATION. IN CASES OF DISCREPANCIES THE HIGHER OF THE TWO STANDARDS SHALL HAVE PRECEDENCE.
- ALL TREES PLANTED WITHIN RIGHT-OF-WAY WILL INCLUDE CITY APPROVED ROOT BARRIERS.

1 TREE PLANTING



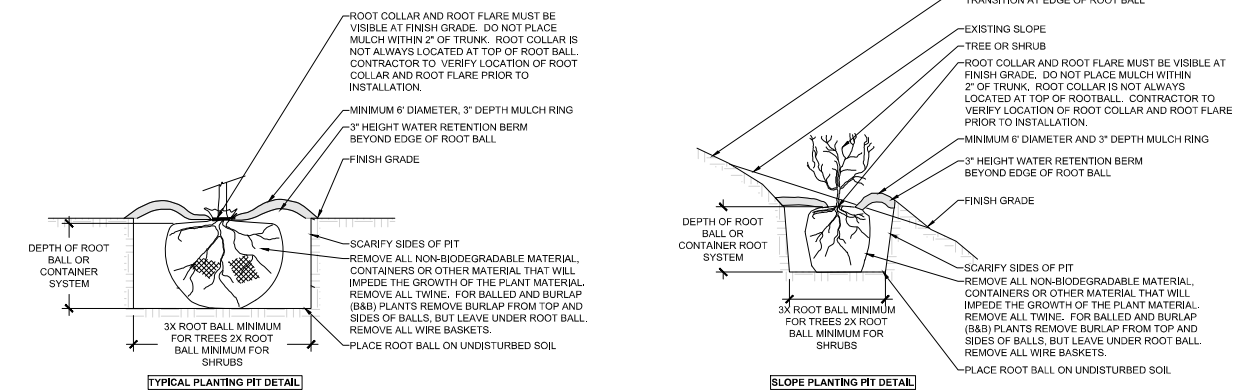
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2 SHRUB PLANTING



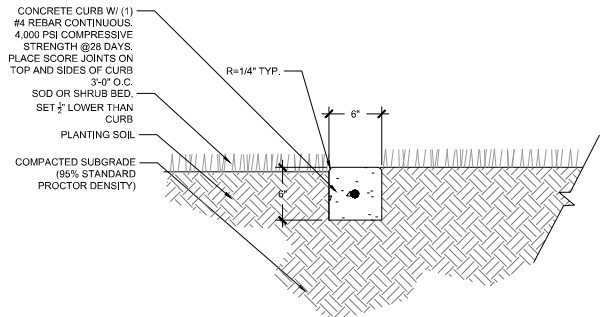
SCALE: 1/2" = 1'-0"

3 PLANTING PIT



NO SCALE

4 CONCRETE PLANTER CURB



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

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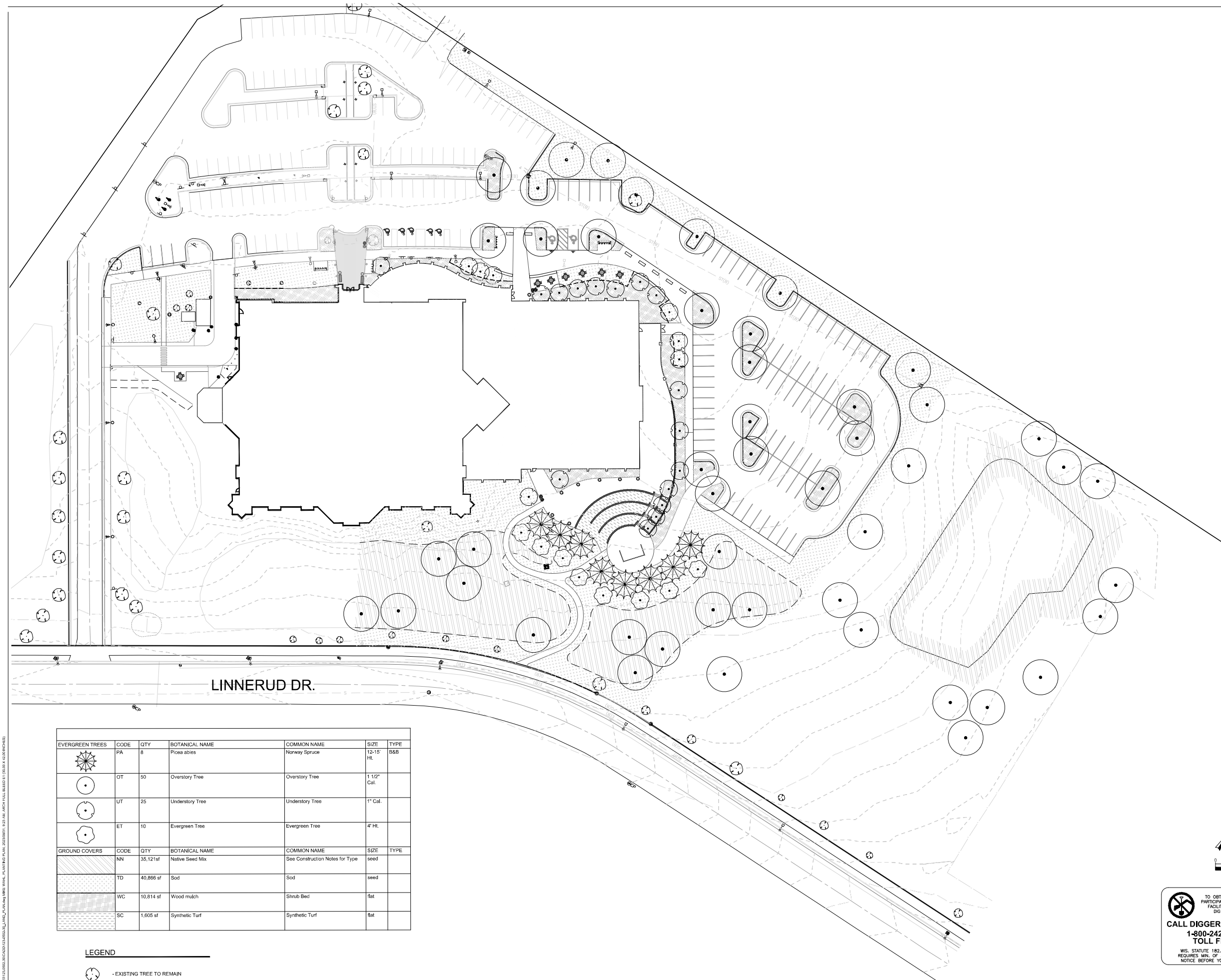
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TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE

WS STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

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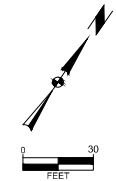


LINNERUD DR.

EVERGREEN TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE
	PA	8	Picea abies	Norway Spruce	12-15' Ht.	B&B
	OT	50	Overstory Tree	Overstory Tree	1 1/2" Cal.	
	UT	25	Understory Tree	Understory Tree	1" Cal.	
	ET	10	Evergreen Tree	Evergreen Tree	4' HL	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE
	NN	35,121sf	Native Seed Mix	See Construction Notes for Type	seed	
	TD	40,886 sf	Sod	Sod	seed	
	WC	10,814 sf	Wood mulch	Shrub Bed	flat	
	SC	1,605 sf	Synthetic Turf	Synthetic Turf	flat	

LEGEND

-EXISTING TREE TO REMAIN



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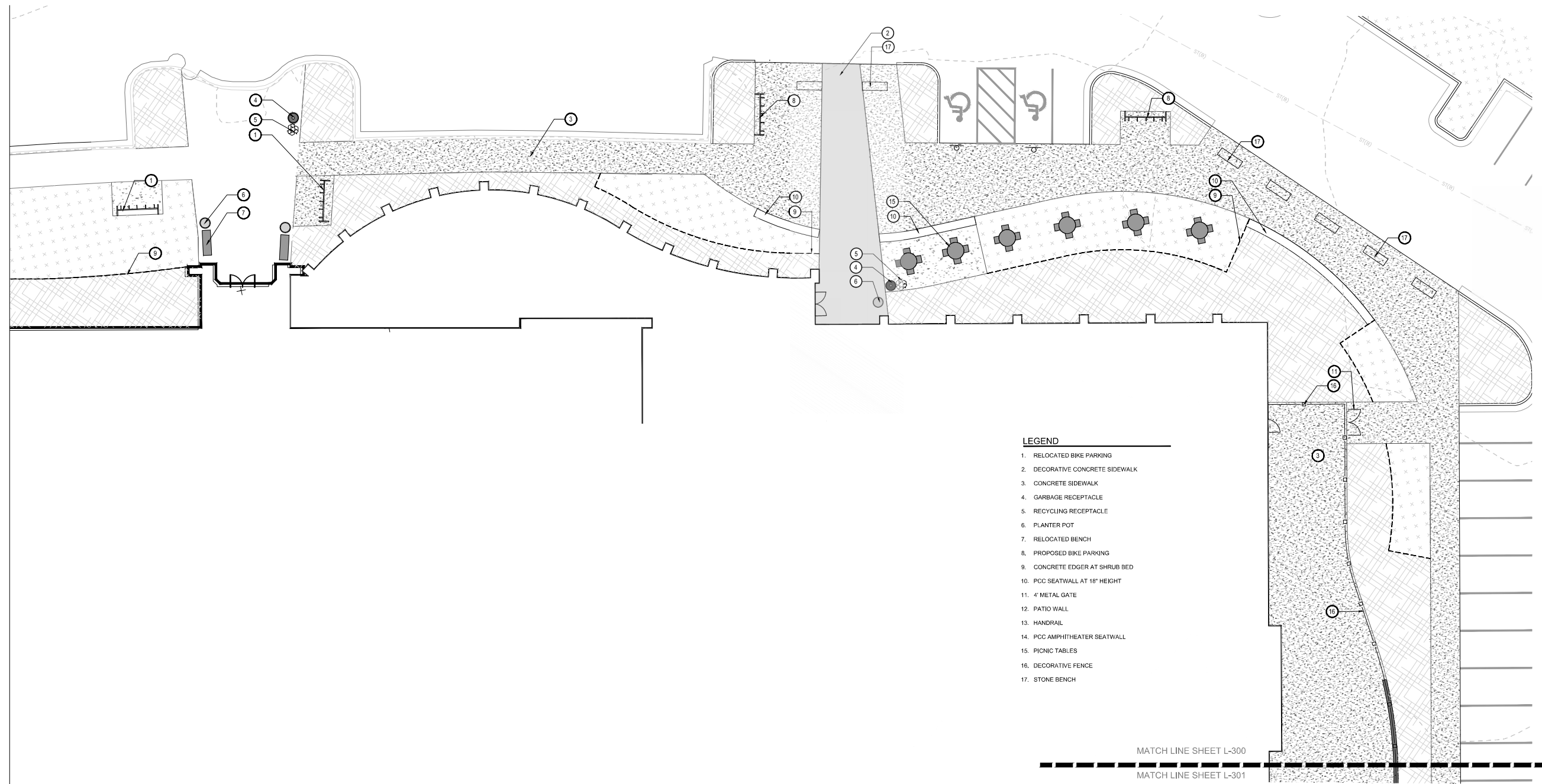
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LEGEND

- 1. RELOCATED BIKE PARKING
- 2. DECORATIVE CONCRETE SIDEWALK
- 3. CONCRETE SIDEWALK
- 4. GARBAGE RECEPTACLE
- 5. RECYCLING RECEPTACLE
- 6. PLANTER POT
- 7. RELOCATED BENCH
- 8. PROPOSED BIKE PARKING
- 9. CONCRETE EDGER AT SHRUB BED
- 10. PCC SEATWALL AT 18" HEIGHT
- 11. 4" METAL GATE
- 12. PATIO WALL
- 13. HANDRAIL
- 14. PCC AMPHITHEATER SEATWALL
- 15. PICNIC TABLES
- 16. DECORATIVE FENCE
- 17. STONE BENCH

MATCH LINE SHEET L-300

MATCH LINE SHEET L-301



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HARDSCAPE PLAN

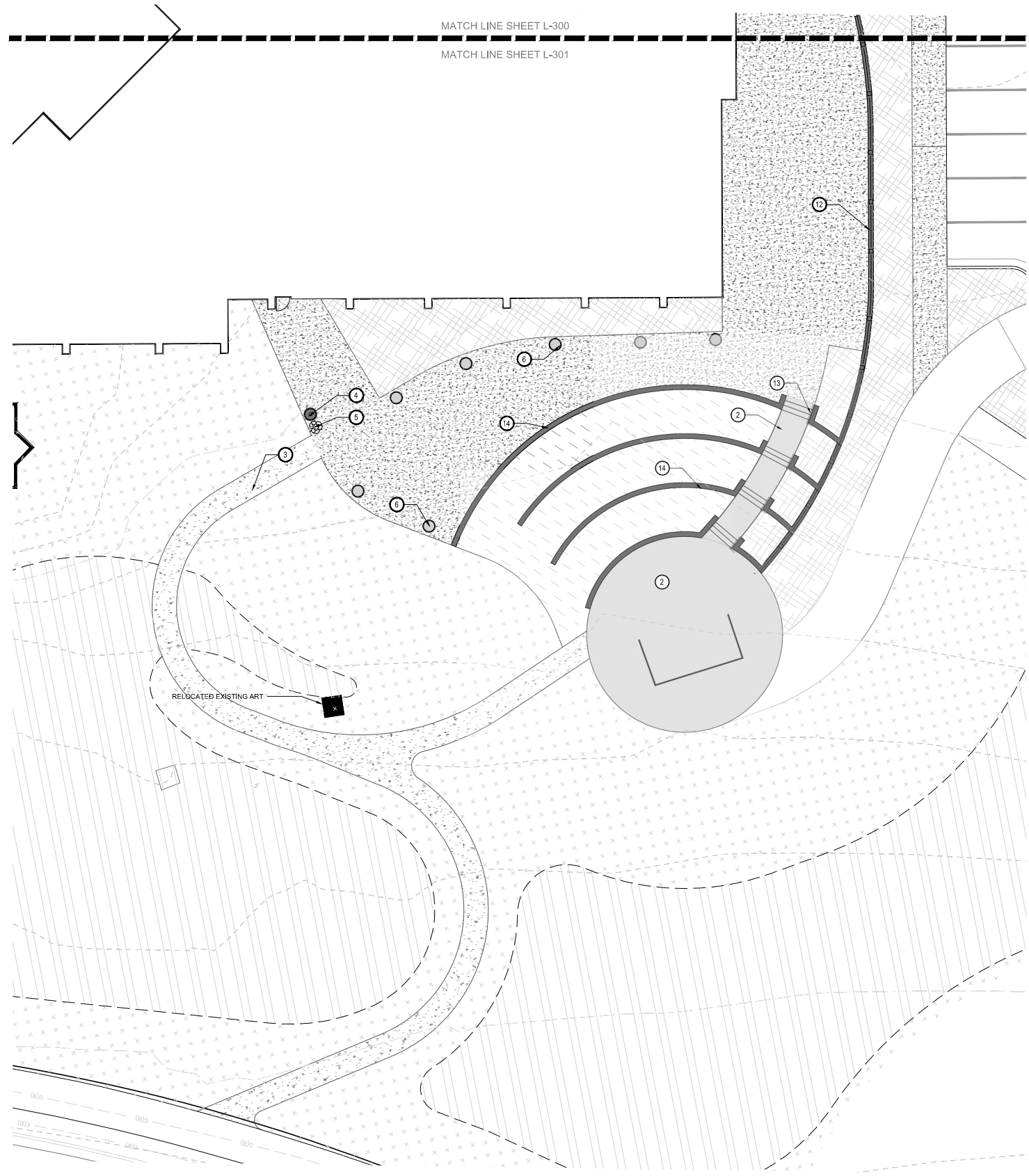
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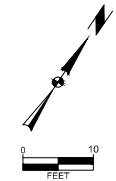


- LEGEND**
1. RELOCATED BIKE PARKING
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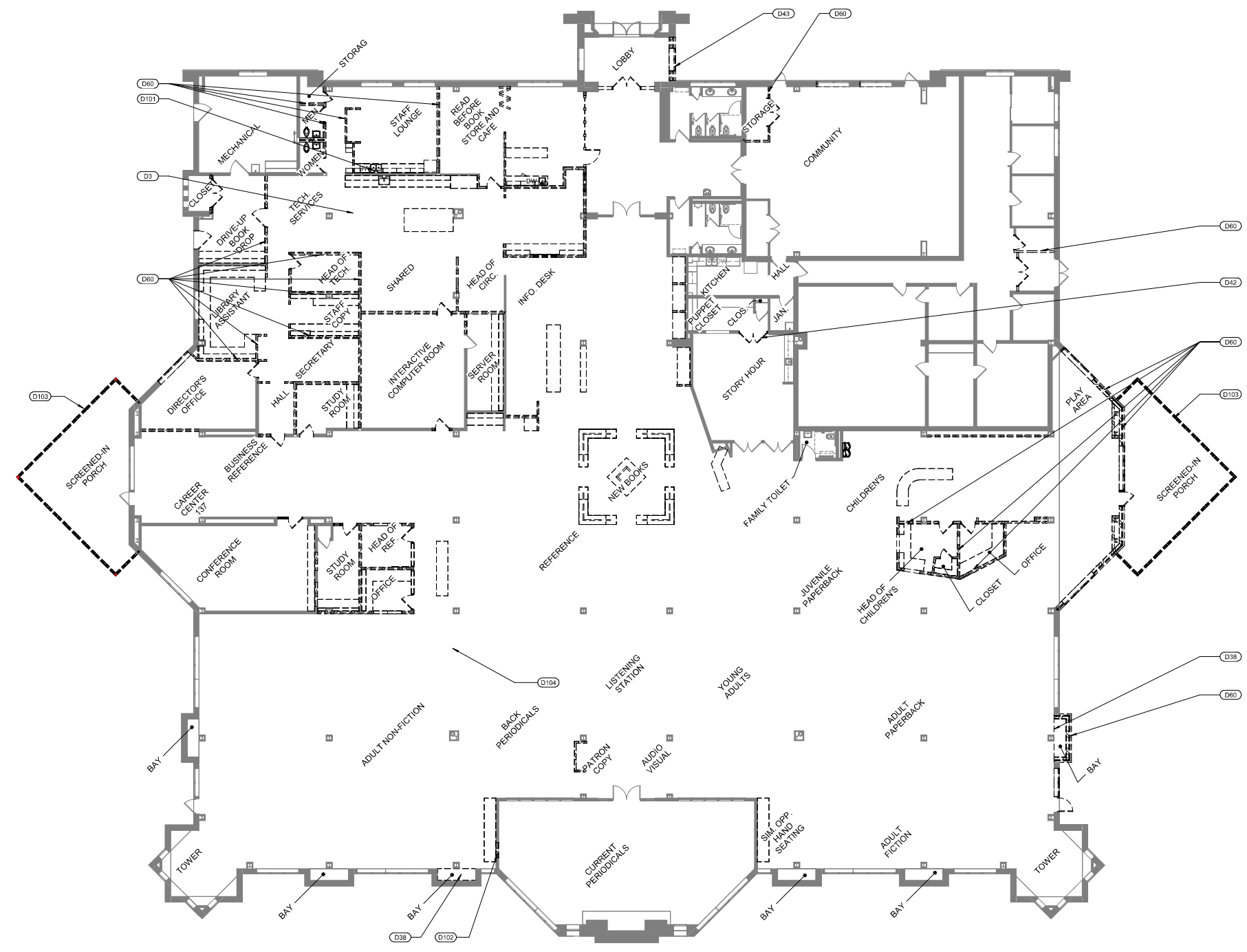
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1 DEMO PLAN - MAIN FLOOR
SCALE: 3/32" = 1'-0"

KEYNOTES

D03	REMOVE EXISTING CEILING TILE AND GRID
D38	REMOVE EXISTING COUNTERTOP
D42	REMOVE EXISTING DOOR
D43	REMOVE EXISTING WINDOW
D60	REMOVE EXISTING WALL
D101	REMOVE EXISTING PLUMBING FIXTURE
D102	CUT NEW OPENING IN EXISTING WALL; SEE NEW CONSTRUCTION DRAWING FOR SIZE AND LOCATION
D103	REMOVE EXISTING PORCH
D104	EXISTING CEILING GRID TO REMAIN

ARCHITECTURAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL EXAMINE SITE AND PORTIONS THEREOF TO ASCERTAIN AND CHECK ALL EXISTING CONDITIONS AND DIMENSIONS WHICH MAY AFFECT THE CONTRACTOR'S WORK. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE IN THE CONTRACTOR'S BEHALF FOR ANY EXPENSE TO WHICH THE CONTRACTOR MAY BE LIABLE DUE TO FAILURE OR NEGLECT ON ONE'S PART TO MAKE AN EXAMINATION. ANY CONFLICTS OR OMISSIONS, ETC. SHALL BE REPORTED TO THE ARCHITECT PRIOR TO BID SUBMISSION.
2. CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE DUST AND NOISE TO SURROUNDING PROPERTIES. SITE ACCESS SHALL BE LIMITED TO LOCATIONS SHOWN OR COORDINATED WITH OWNER.
3. PROVIDE PLASTIC SHEETS (OR OTHER) FOR SAFETY AND PROTECTION FROM NOISE, DUST, ETC. OF OCCUPIED AREAS DURING CONSTRUCTION AND DEMOLITION. PROVIDE RATED SEPARATION WHERE REQUIRED.
4. REMOVE PORTIONS OF EXISTING CONSTRUCTION AS NOTED ON THE DRAWINGS AND AS NECESSARY TO ACCOMMODATE THE NEW CONSTRUCTION AND REPLACE OR REPAIR AS NEEDED.
5. CONTRACTOR NOTE: SOME ANCILLARY/MINOR DEMOLITION AND PATCH/REPAIR MAY NOT BE SHOWN SPECIFICALLY. CONTRACTOR SHALL PROVIDE AND COORDINATE ALL ANCILLARY/MINOR WORK REQUIRED TO COMPLETE NEW WORK AS DESIGNED. VERIFY CONDITIONS WITH OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
6. THE CONTRACTOR IS CAUTIONED THAT THIS PROJECT INVOLVES ALTERATION TO EXISTING FACILITIES. WORK WHICH IS REQUIRED TO PROVIDE A COMPLETELY OPERABLE INSTALLATION WITHIN THE SCOPE OF THE WORK, BUT WHICH IS NOT SPECIFICALLY INCLUDED ON THE PLANS, SHALL BE PERFORMED AS PART OF THE CONTRACT AND INCLUDED IN THE BID.
7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND CONSTRUCTION REPRESENTATIVE IMMEDIATELY OF ANY UTILITIES NOT IDENTIFIED FOUND IN CONSTRUCTION TO BE REMOVED.
8. ANY ITEMS DESCRIBED IN THESE DRAWINGS WITHOUT A "NEW" (N) OR "EXISTING" (E) DESIGNATION SHALL BE CONSIDERED NEW.
9. EXISTING BUILDING DIMENSIONS AS SHOWN ON THE PLANS MAY DIFFER PLUS OR MINUS; FIELD VERIFY.
10. WHERE INDICATED ON THE PLANS, ALIGN NEW WALLS WITH THE FACE OF EXISTING WALLS, COLUMNS AND FLOORING FOR A FLUSH CONDITION. REPAIR, PATCH AND FINISH EXISTING WALLS WHICH ADJUTS NEW WALLS.
11. WHERE NEW OPENINGS OCCUR AT EXISTING FRAMED WALLS, FIELD VERIFY EXISTING WALL THICKNESS. NEW WALL TO BE FURRED AS NEEDED TO MATCH EXISTING WALL CONSTRUCTION THICKNESS.
12. PREPARE SURFACES TO RECEIVE FINISHES. PATCH ALL EXISTING WORK ALTERED BY NEW CONSTRUCTION. ALL NEW AND PATCHED SURFACES SHALL BE SMOOTH, CONTINUOUSLY FREE OF IMPERFECTIONS AND IN PROPER CONDITION TO RECEIVE THE FINISH PER THE PROJECT MANUAL. IN PATCHED AREAS OR ANY AREA WHERE A FINISH IS NOT IDENTIFIED, THE AREA SHALL MATCH MATERIAL IN CONSTRUCTION, COLOR, TEXTURE, AND MANUFACTURE. ANY EXISTING FLOOR TILES, WALL TILES, ETC. WHICH ARE DAMAGED OR STAINED, ETC. SHALL BE REPLACED AS NECESSARY WITH NEW MATCHING MATERIAL.
13. FASTENER ATTACHMENTS ONTO EXISTING CONCRETE SURFACES: DO NOT DRILL THROUGH EMBEDDED REINFORCEMENT BARS. LOCATE EXISTING REINFORCEMENT BARS WITH REINFORCEMENT METER PRIOR TO INSTALLING FASTENERS TO AVOID DAMAGING EXISTING REINFORCEMENT.
14. THE EXISTING OCCUPANTS INTEND TO OCCUPY A DESIGNATED PORTION OF THE BUILDING AND MAINTAIN OPERATIONS. SUBMIT A DEMOLITION PLAN INDICATING DEMOLITION AND OPERATIONAL SEQUENCING FOR REVIEW AND ACCEPTANCE BY THE OWNER.

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SHEET TITLE
DEMOLITION PLANS

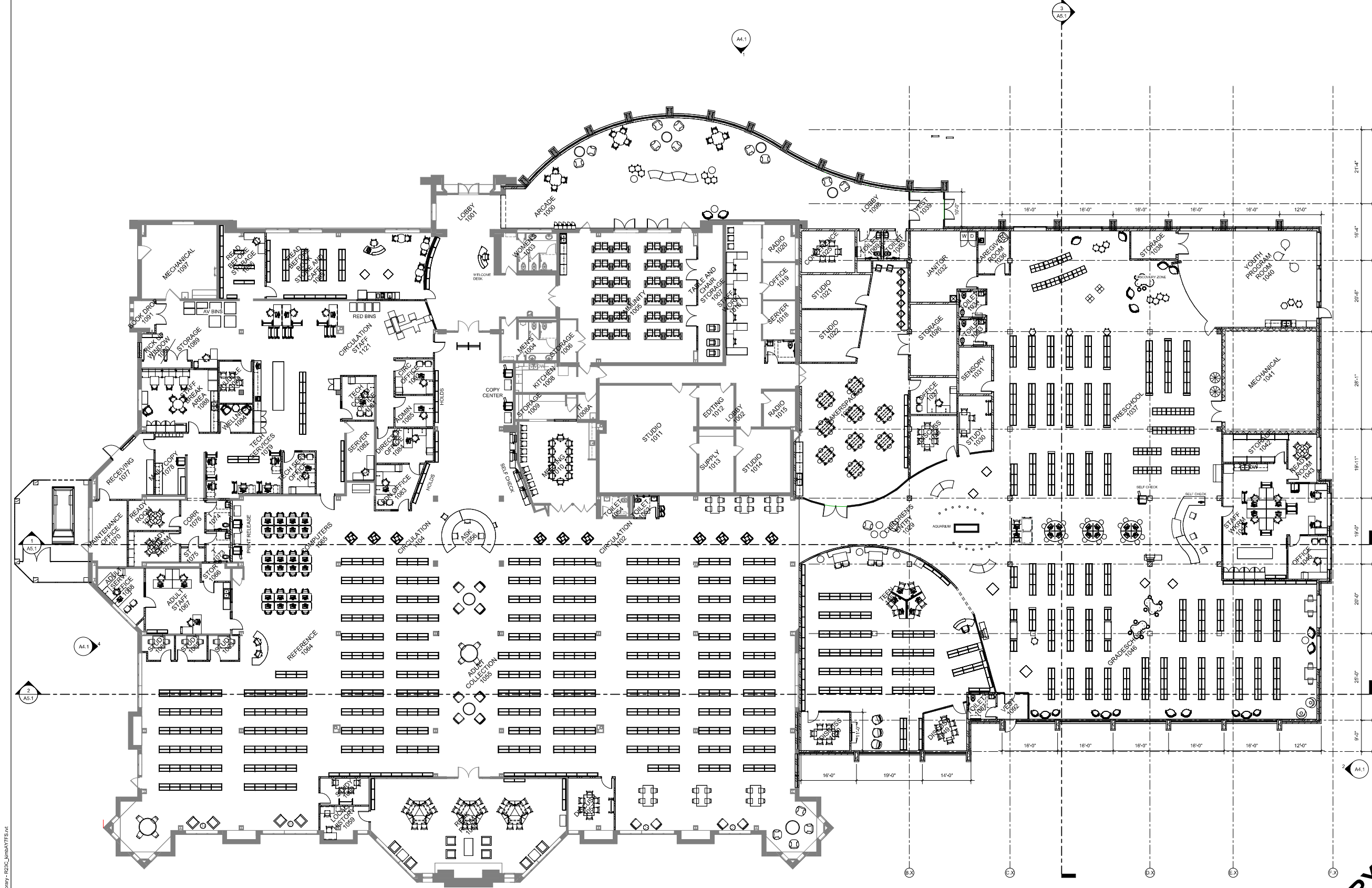
PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERRUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 08/29/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
AD1.0

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1 OVERALL MAIN FLOOR
SCALE: 3/32" = 1'-0"

PRELIMINARY
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SHEET TITLE
FLOOR PLAN

PROJECT TITLE
CITY OF SUN PRAIRIE
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REMODEL AND ADDITION
1350 LINNERTUD DRIVE
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DATE ISSUED 08/29/2023
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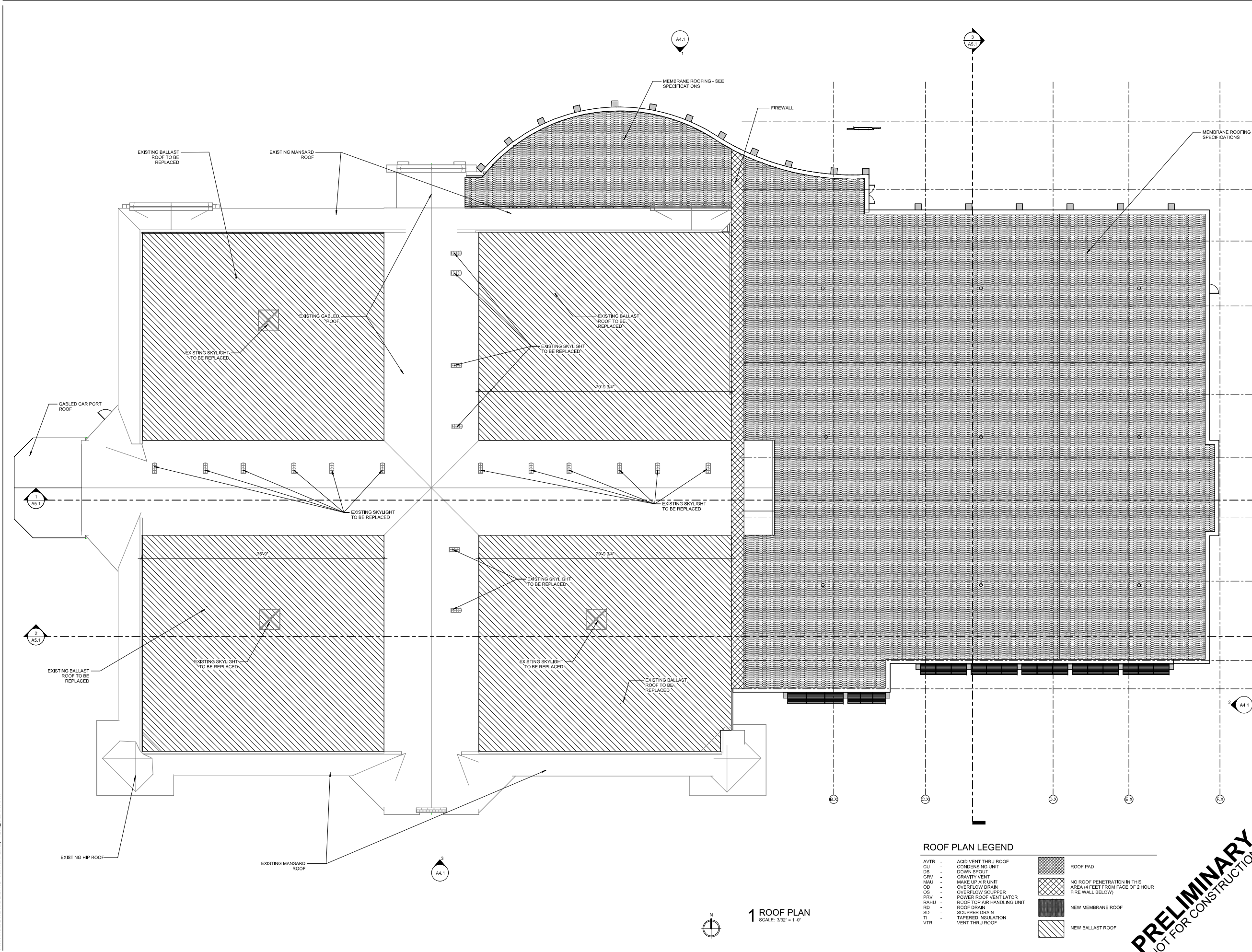
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1 ROOF PLAN
SCALE: 3/32" = 1'-0"

ROOF PLAN LEGEND

AVTR - ACID VENT THRU ROOF	ROOF PAD
CU - CONDENSING UNIT	NO ROOF PENETRATION IN THIS AREA (4 FEET FROM FACE OF 2 HOUR FIRE WALL BELOW)
DS - DOWN SPOUT	NEW MEMBRANE ROOF
GRV - GRAVITY VENT	NEW BALLAST ROOF
MAU - MAKE UP AIR UNIT	
OD - OVERFLOW DRAIN	
OS - OVERFLOW SCUPPER	
PRV - POWER ROOF VENTILATOR	
RAHU - ROOF TOP AIR HANDLING UNIT	
RD - ROOF DRAIN	
SD - SCUPPER DRAIN	
TI - TAPERED INSULATION	
VTR - VENT THRU ROOF	

PRELIMINARY
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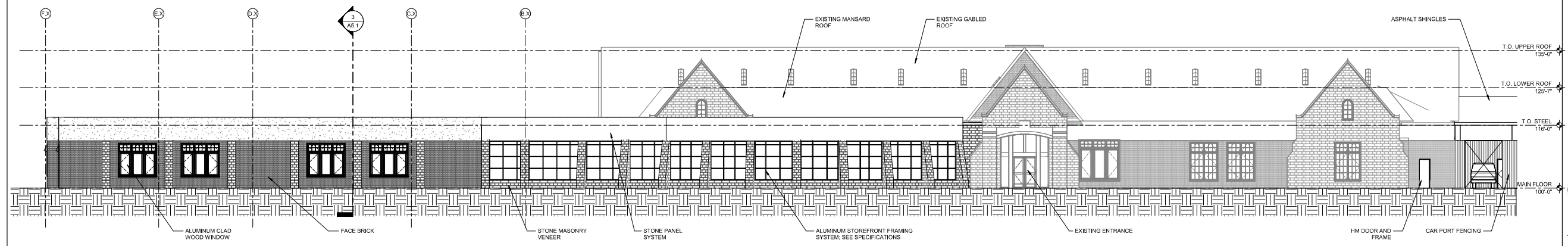
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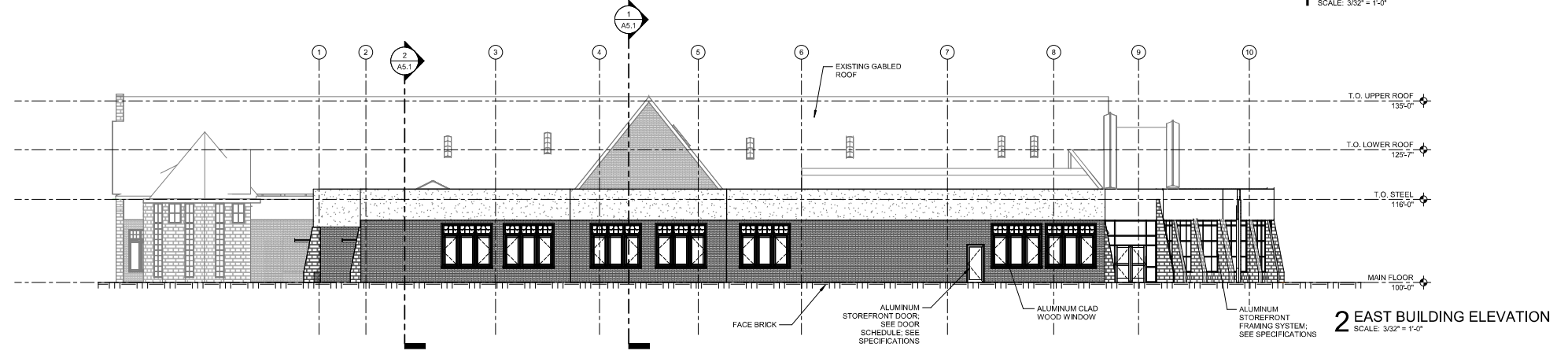
PROJECT NUMBER: 2023402
 SHEET: **A2.1**

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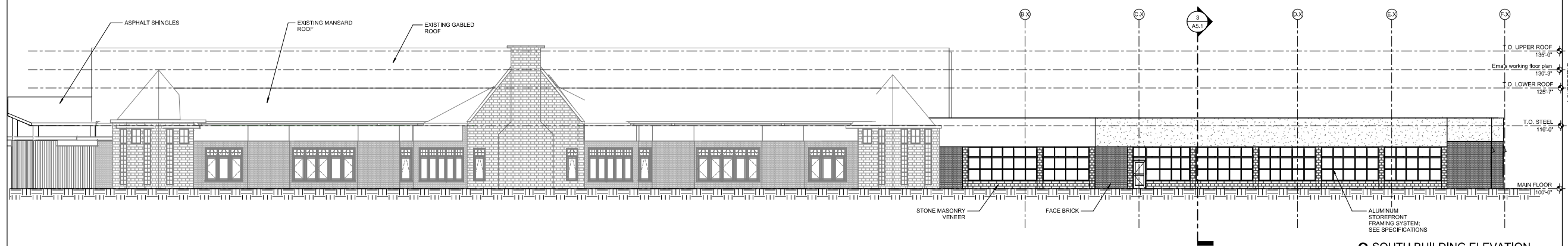
DESIGN ASSOCIATION WITH:
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DESIGN ENGINEERS



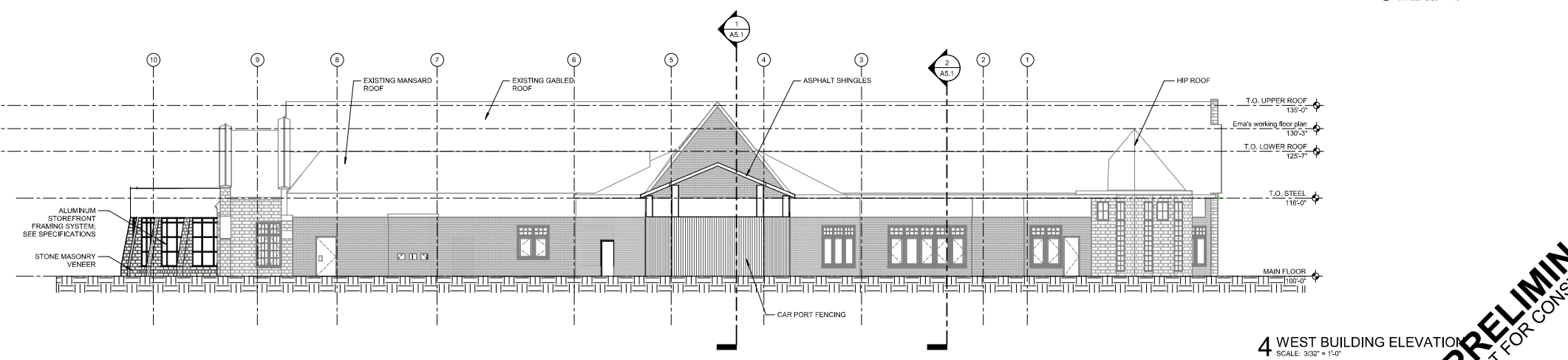
1 NORTH BUILDING ELEVATION
SCALE: 3/32" = 1'-0"



2 EAST BUILDING ELEVATION
SCALE: 3/32" = 1'-0"



3 SOUTH BUILDING ELEVATION
SCALE: 3/32" = 1'-0"



4 WEST BUILDING ELEVATION
SCALE: 3/32" = 1'-0"

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EXTERIOR ELEVATIONS
SHEET TITLE

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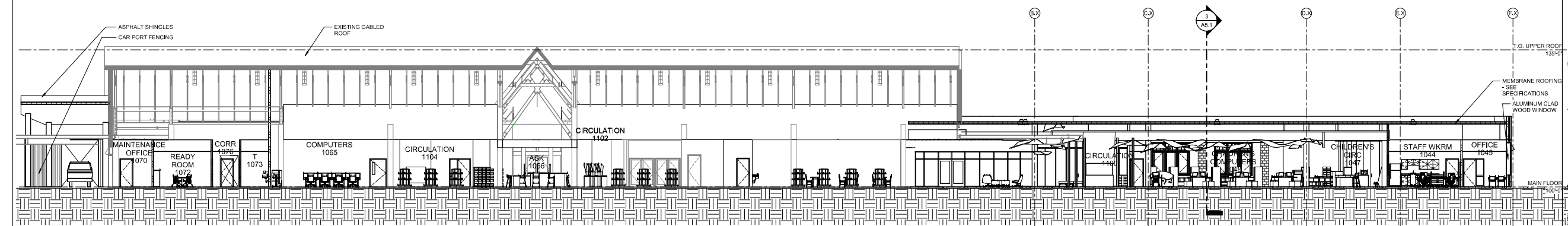
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SHEET: A4.1

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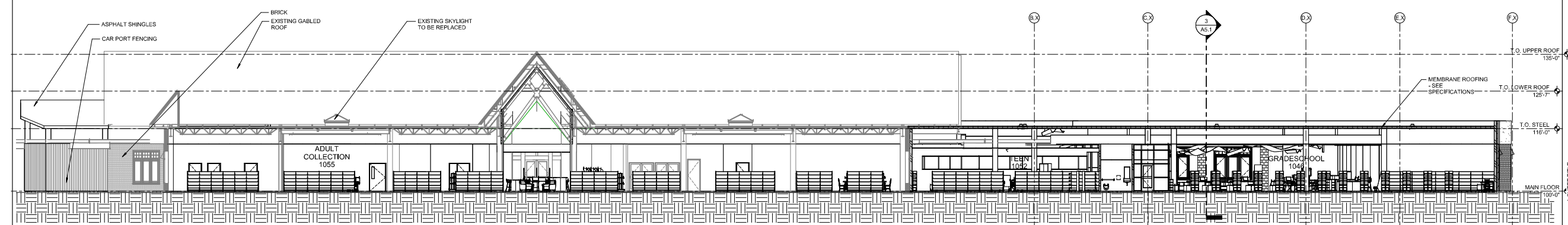
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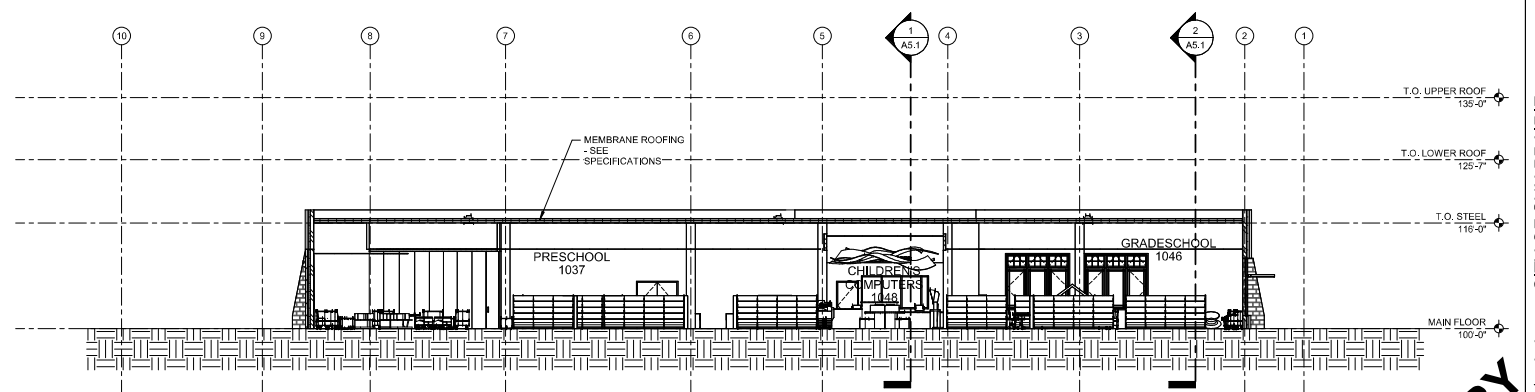
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1 SECTION AT VAULTED CEILING
SCALE: 3/32" = 1'-0"

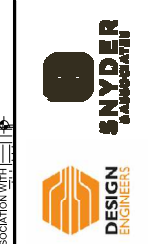


2 SECTION AT ADULT COLLECTION
SCALE: 3/32" = 1'-0"



3 SECTION AT CHILDREN'S COLLECTION
SCALE: 3/32" = 1'-0"

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BUILDING SECTIONS

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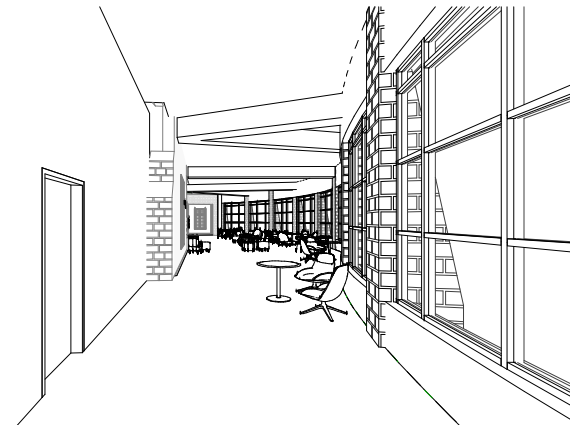
PROJECT NUMBER
 2023402

SHEET
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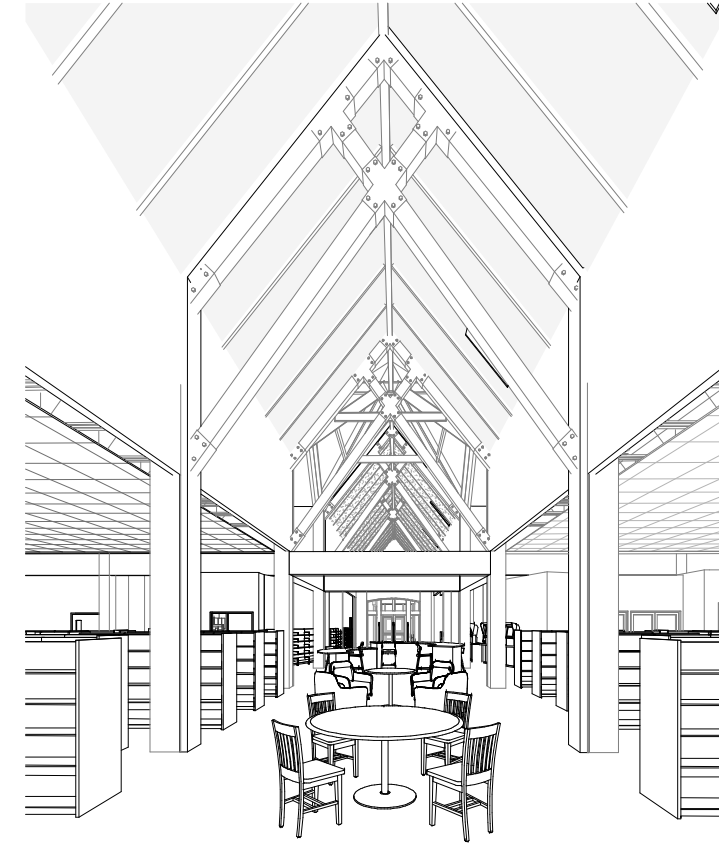
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ASK DESK



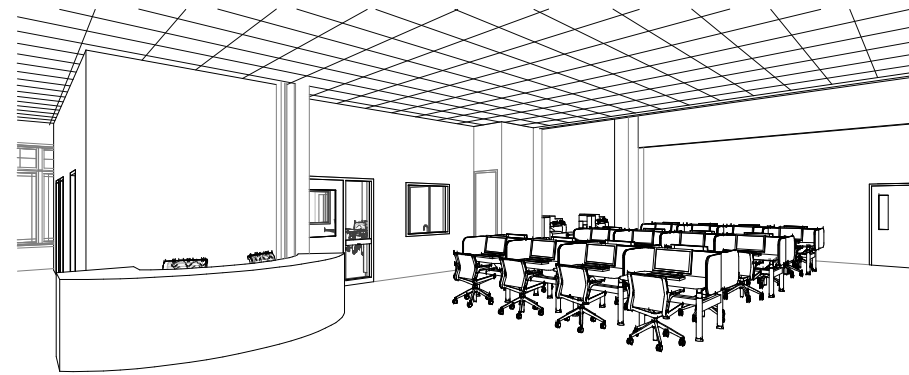
ATRIUM



ADULT SEATING



VIEW FROM YOUTH ENTRANCE



COMPUTERS AND REFERENCE DESK



YOUTH ENTRANCE



VIEW TOWARDS CHILDREN'S CIRC



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SHEET TITLE
 3D VIEWS

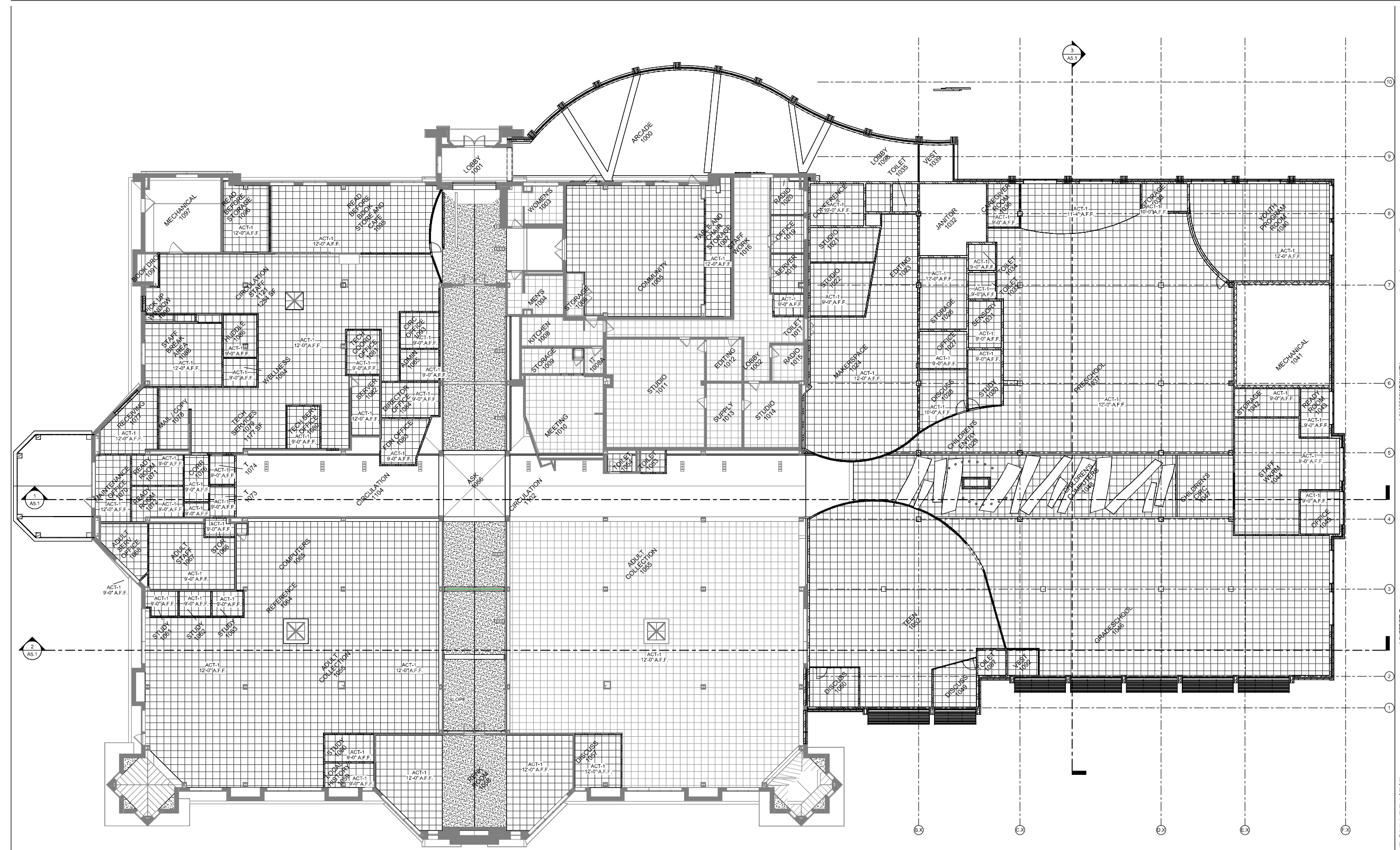
PROJECT TITLE CITY OF SUN PRAIRIE
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SHEET
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1 MAIN FLOOR
SCALE: 3/32" = 1'-0"

REFLECTED CEILING PLAN LEGEND

	ACOUSTIC TILE CEILING		LIGHT FIXTURES, SEE ELECTRICAL
	GYPSUM WALL BOARD		HEIGHT OF WALL SHALL BE ADJACENT CEILING HEIGHT + 8"
	SUPPLY AIR DIFFUSER, SEE MECHANICAL		109'-0" CEILING HEIGHT
	RETURN AIR DIFFUSER, SEE MECHANICAL		8'-0" CEILING HEIGHT (A.F.F.)
	EXHAUST FAN, SEE MECHANICAL		CONTROL JOINT
	CABINET UNIT HEATER, SEE MECHANICAL		

NOTES:
 * ALL WALLS TO STRUCTURE UNLESS NOTED OTHERWISE.
 ** AT FIRE RATED WALLS, SEAL TO STRUCTURE WITH FRESAFING INSULATION / MASTIC AT GYP BOARD WALLS OR FIRE CAULK AT MASONRY WALLS.

REFLECTED CEILING PLAN NOTES

1. CEILING GRID TO BE CENTERED EACH WAY WITHIN ROOMS AND AREAS SHOWN ON THE REFLECTED CEILING PLAN, U.N.O.
2. ALL ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DEVICES TO BE CENTERED WITHIN CEILING TILES, U.N.O.
3. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION (IF APPLICABLE) DRAWINGS FOR DUCTWORK, DEVICES, EQUIPMENT, & FIXTURES NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE LOCATION OF THESE ITEMS WITH THOSE SHOWN.
4. IN ROOMS AND/OR AREAS SCHEDULED TO HAVE EXPOSED STRUCTURE, ALL WALL MATERIALS AND FINISHES TO EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK, U.N.O.
5. CEMENT BOARD AND GYPSUM BOARD CEILINGS TO BE INSTALLED ON SUSPENSION SYSTEM PER PROJECT MANUAL, U.N.O.
6. WALL GYPSUM BOARD SHALL EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING. PARTITIONS NOT IDENTIFIED TO BE FULL-HEIGHT. BRACE TOP OF WALL TO STRUCTURE WITH METAL FRAMING AT 48" O.C. EACH WAY.
7. GYPSUM BOARD VERTICAL RETURNS ON SOFFITS AND BULKHEADS TO EXTEND TO HIGHEST ADJACENT CEILING HEIGHT, U.N.O.
8. REFER TO MECHANICAL DRAWINGS & PROJECT MANUAL FOR REQUIRED LOW-VOLTAGE CEILING PANELS IN GYPSUM BOARD OR CEMENT BOARD CEILINGS NOT SHOWN ON REFLECTED CEILING PLANS. COORDINATE PANEL LOCATION WITH ARCHITECT.
9. PAINT ALL EXPOSED STEEL, CONDUIT, DUCTWORK, PIPING, ETC. IN ROOMS AND AREAS NOTED OR SCHEDULED TO RECEIVE PAINTED FINISHES.
10. PROVIDE SUPPORT WIRE ABOVE THE CEILING AT 2'-0" O.C. ON CEILING PERPENDICULAR TO CEILING MOUNTED PROJECTION SCREEN LOCATIONS NOTED ON DRAWINGS.
11. PROVIDE ESCUTCHEONS AT ALL CEILING PENETRATIONS.
12. HOLD GYPSUM BOARD AND/OR CEMENT BOARD 1/2" OFF FLOOR AT ALL WALLS.
13. SEE TYPICAL WALL TYPES FOR TOP OF WALL CONSTRUCTION.

REFLECTED CEILING PLANS

CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

PROJECT NUMBER
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ADULT COLLECTIONS - SHELVING COUNTS

PRINT COLLECTIONS	NONPRINT COLLECTIONS
FICTION - 176/168 SF (60"H)	MUSIC CDS & VINYL - 22/18 SF (60"H)
MYSTERY - 44/36 SF (60"H)	AUDIOBOOKS - 30/30 SF (60"H)
SCIENCE FICTION - 16/16 SF (60"H)	DVDS/VIDEO - 56/50 SF (60"H)
PAPERBACK - 30/30 SF (60"H)	LIBRARY OF THINGS - 19 SF (60"H)
GRAPHIC NOVELS - 16/14 SF (60"H)	
WORLD LANGUAGES - 16/12 SF (60"H)	
LARGE PRINT - 62/58 SF (60"H)	PERIODICALS & NEWSPAPERS
REFERENCE - 3/2 SF (60"H)	MAGAZINES - 19 SF 2H = 152 SUBS
NONFICTION - 209/208 SF (60"H)	NEWSPAPERS - 2 SF 2H = 12 SUBS
READING CLUB KITS - 18/14 SF (60"H)	
LOCAL - 6/4 SF 4/SH (60"H)	

CHILDREN'S COLLECTIONS - SHELVING COUNTS

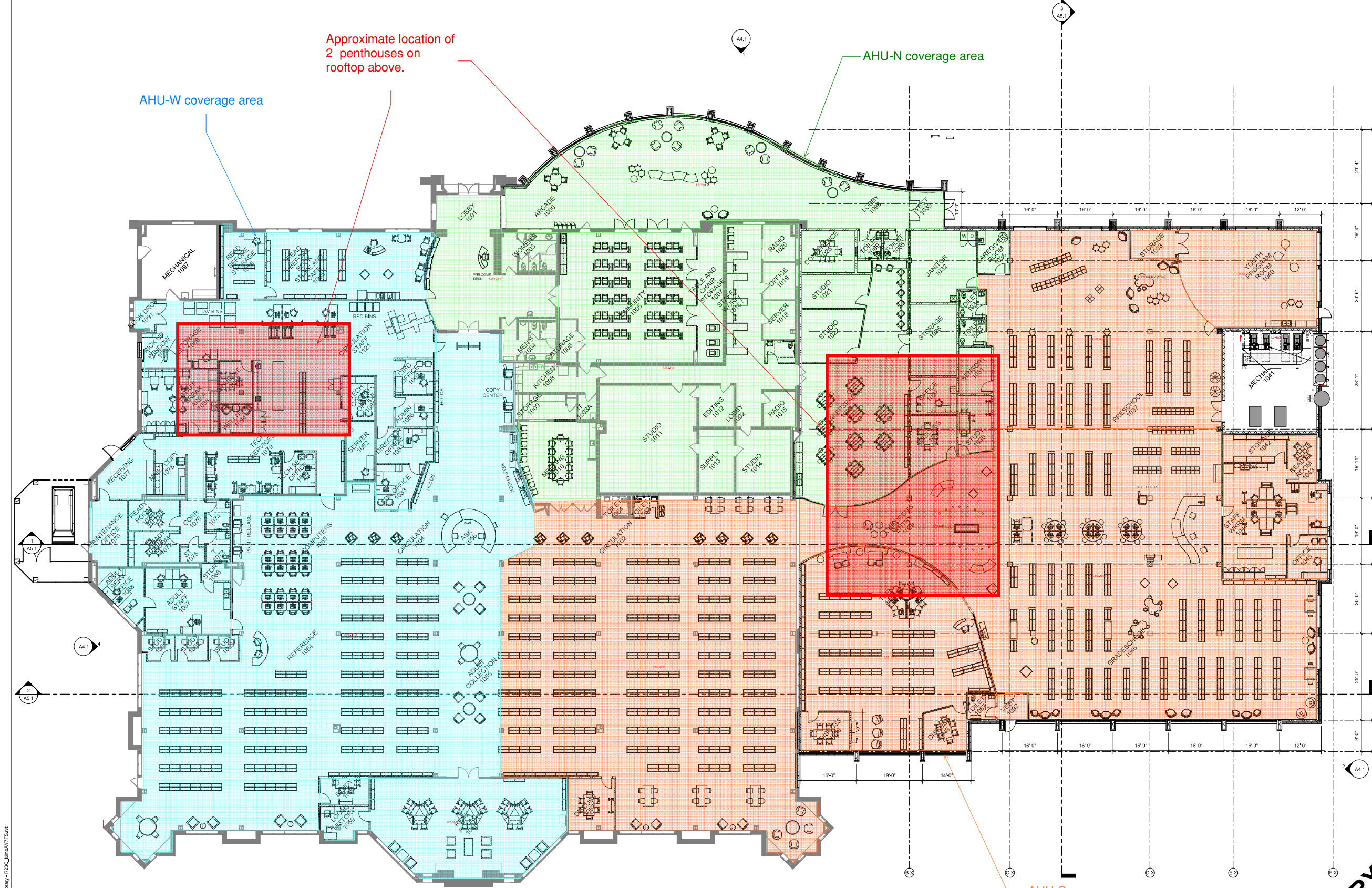
PRESCHOOL COLLECTIONS	HUB (NONPRINT)
BOARD BOOKS - 7/6 DF BINS	PARENTING - 2/2 SF (60"H)
PICTURE BOOKS - 84/80 SF (42"H)	KITS (HANGING BAGS) - 14/14 SF (60"H)
PICTURE BOOK NEIGHBORHOODS - 14/14 DF BINS	AUDIO-ENABLED BOOKS - 9/8 (60"H)
EARLY READERS - 39/28 SF (42"H)	MUSIC CDS - 4/4 SF (60"H)
	AUDIOBOOKS - 16/16 SF (60"H)
GRADE SCHOOL COLLECTIONS	DVD/VIDEO - 18/18 SF (60"H)
TRANSITIONAL CHAP BKS - 26/24 SF (60"H)	SOFTWARE/VIDEO GAMES - 9/8 SF (60"H)
FICTION - 54/54 SF (60"H)	BIG KID KITS - 8/8 SF (60"H)
COMIC BOOKS - 6/6 SF (60"H)	
GRAPHIC NOVELS - 19/18 SF (60"H)	
NONFICTION - 76/68 SF (60"H)	
WORLD LANGUAGES - 4/4 SF (60"H)	

1 FURNITURE PLAN
SCALE: 3/32" = 1'-0"

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AHU-W coverage area

Approximate location of 2 penthouses on rooftop above.

AHU-N coverage area

AHU-S coverage area

1 OVERALL MAIN FLOOR
SCALE: 3/32" = 1'-0"

PRELIMINARY
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SHEET TITLE
FLOOR PLAN

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERTUD DRIVE
SUN PRAIRIE, WI

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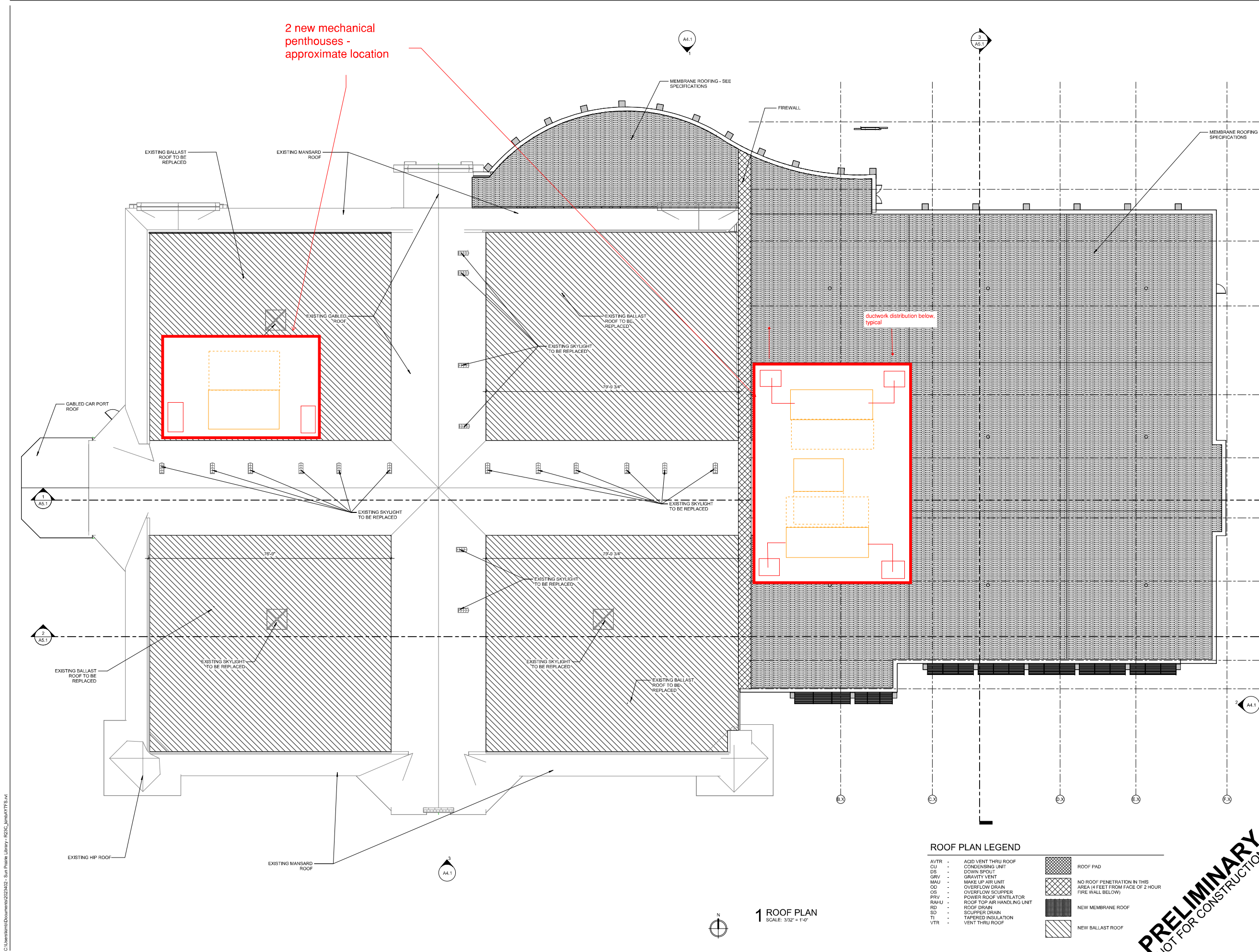


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1 ROOF PLAN
SCALE: 3/32" = 1'-0"

ROOF PLAN LEGEND

AVTR - ACID VENT THRU ROOF	ROOF PAD
CU - CONDENSING UNIT	NO ROOF PENETRATION IN THIS AREA (4 FEET FROM FACE OF 2 HOUR FIRE WALL BELOW)
DS - DOWN SPOUT	NEW MEMBRANE ROOF
GRV - GRAVITY VENT	NEW BALLAST ROOF
MAU - MAKE UP AIR UNIT	
OD - OVERFLOW DRAIN	
OS - OVERFLOW SCUPPER	
PRV - POWER ROOF VENTILATOR	
RAHU - ROOF TOP AIR HANDLING UNIT	
RD - ROOF DRAIN	
SD - SCUPPER DRAIN	
TI - TAPERED INSULATION	
VTR - VENT THRU ROOF	

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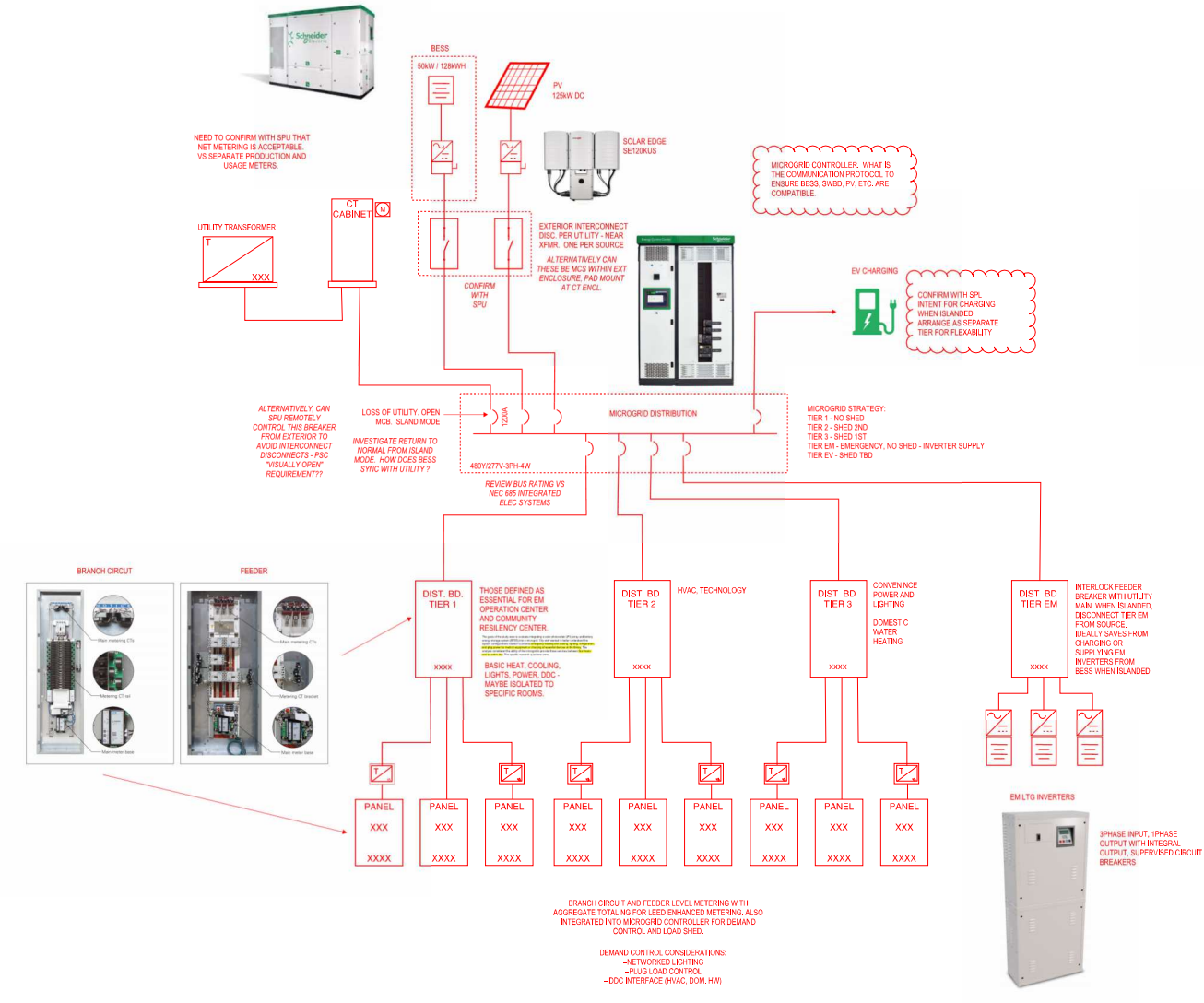
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SHEET: A2.1

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DESIGN ENGINEERS
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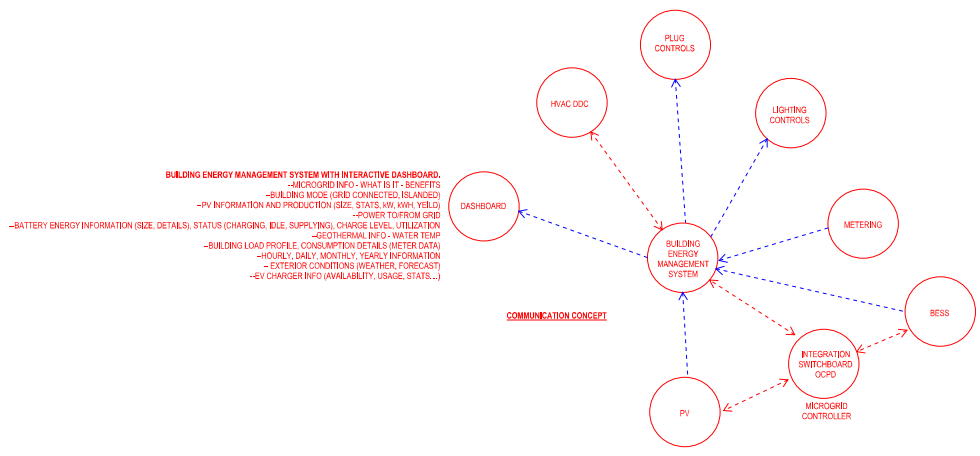
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CONCEPTUAL POWER DISTRIBUTION DIAGRAM



CONCEPTUAL MICROGRID COMMUNICATION DIAGRAM

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CONTACT:

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