Wauwatosa, WI

Design Review Board

Meeting Agenda - Final

7725 W. North Avenue
Wauwatosa, WI 53213

Thursday, September 18, 2025 **7:00 PM** **Committee Room #1**

ROLL CALL

NEW BUSINESS

1.	North 67th Street - New Residential Home	**25-1516**
2.	Foundry Way - Mayfair 2 - New Multi-Family -Return to Board	**25-1191**
3.	7300 Chestnut – Wauwatosa Veterans Memorial	**25-1517**
4.	6707 W North Avenue - Little Caesars - Exterior Alteration	**25-1518**

ADJOURNMENT

NOTICE TO PERSONS WITH A DISABILITY
Persons with a disability who need assistance to participate in this meeting should call the City Clerk's office at (414) 479-8917 or send an email to tclerk@wauwatosa.net, with as much advance notice as possible.

Wauwatosa, WI

Staff Report

7725 W. North Avenue
Wauwatosa, WI 53213

File #: 25-1516 **Agenda Date:** 9/18/2025 **Agenda #:** 1.

North 67th Street - New Residential Home

BUILDING INFORMATION:

PROJECT TYPE:	NEW SINGLE-FAMILY RESIDENCE
ZONED:	SINGLE-UNIT RESIDENTIAL-6 (R1-6)
CONSTRUCTION CLASS:	WOOD FRAME
TAX KEY NUMBERS:	3690428000
	3690429000
	3690430000
STORIES	1 PLUS BASEMENT
SPRINKLERED:	NO
CITY:	WAUWATOSA
COUNTY:	MILWAUKEE

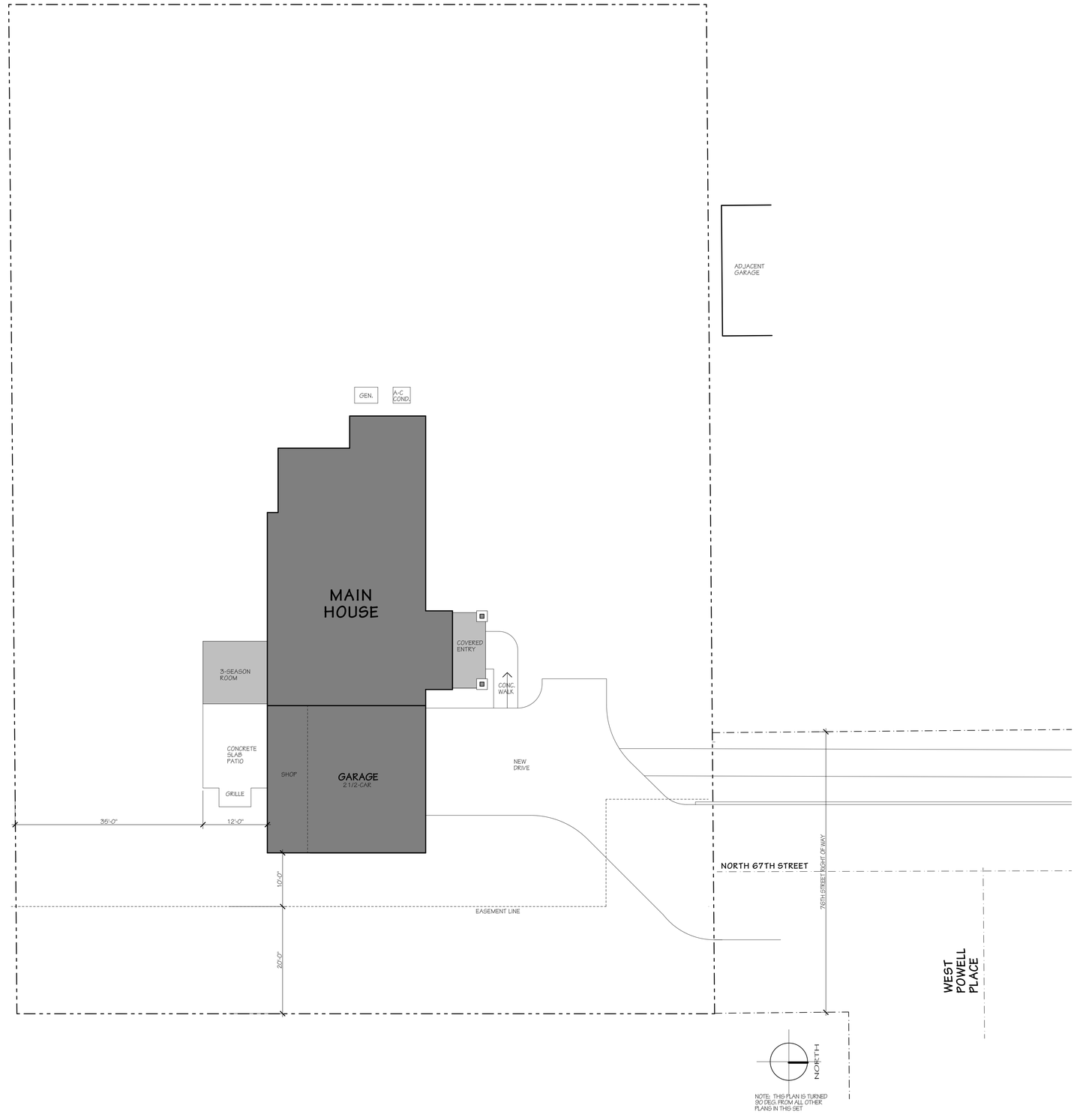
AREA BREAKDOWN:

HOUSE

FIRST FLOOR LIVING AREA:	1,550 S.F.
UNFINISHED LOWER LEVEL:	1,550 S.F.
GARAGE/SHOP	826 S.F.
3-SEASON ROOM	144 S.F.

DRAWING INDEX:

A-00.1	SITE PLAN, AND NOTES
A-1.00	LOWER LEVEL FLOOR PLAN / FOOTING & FOUNDATION PLAN
A-1.01	FIRST FLOOR PLAN
A-1.02	ROOF PLAN
A-1.11	FLOOR FRAMING PLAN
A-1.12	ROOF FRAMING PLAN
A-2.00	EXTERIOR ELEVATIONS, AND FIREPLACE SECTION
A-2.01	EXTERIOR ELEVATIONS
A-4.00	WALL SECTIONS, AND DETAILS
A-4.01	WALL SECTIONS
A-4.02	WALL SECTIONS
A-5.00	INTERIOR ELEVATIONS
A-5.01	INTERIOR ELEVATIONS
LP-1.00	LOWER LEVEL LIGHTING & POWER PLAN
LP-1.01	FIRST FLOOR LIGHTING & POWER PLAN



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TONEY RESIDENCE
NORTH 67TH STREET
WAUWATOSA, WISCONSIN 53213

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Revised 08-08-'25

PROJECT NO. 2310

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SHEET
A-0.01

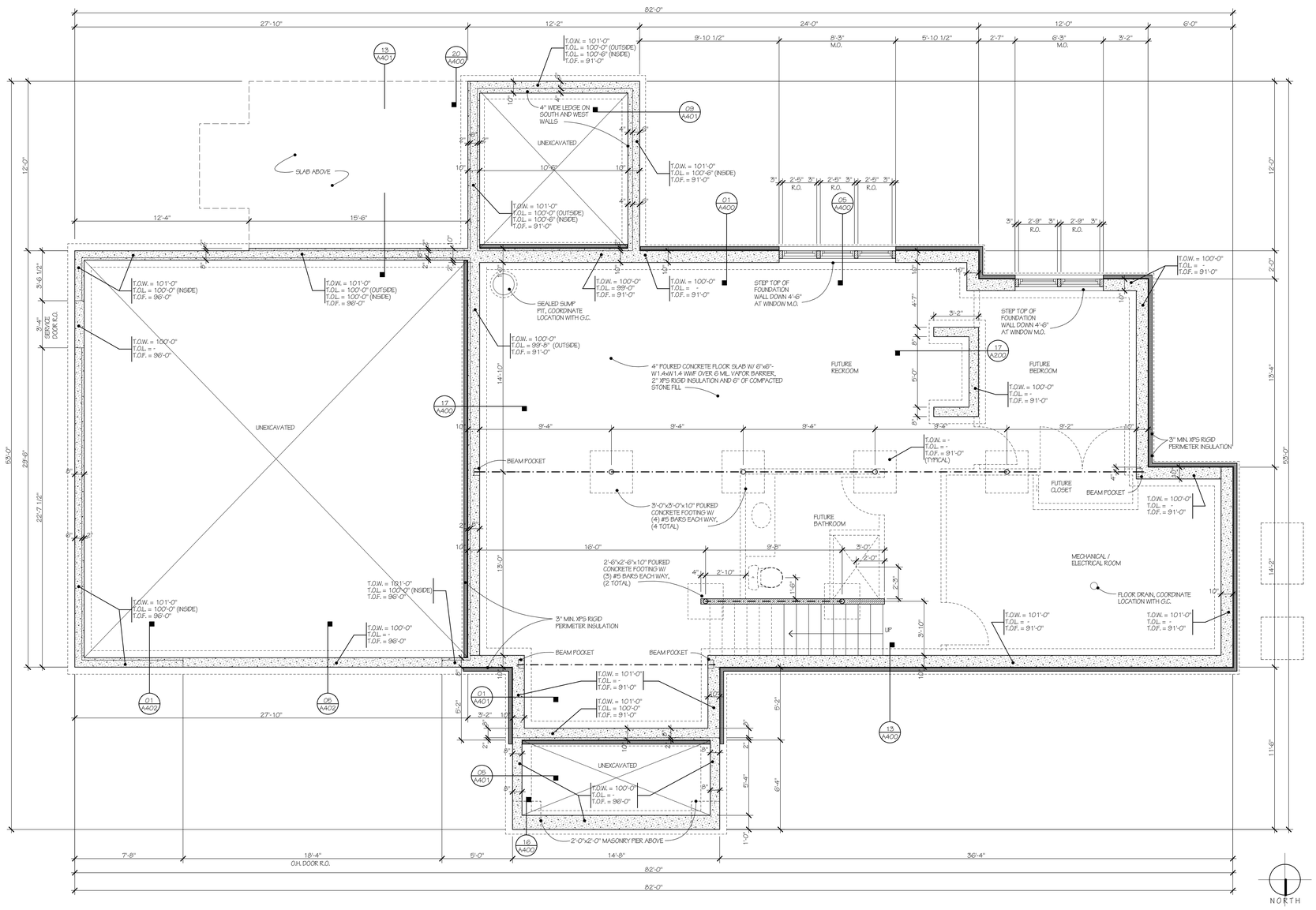
CONCRETE SPECIFICATIONS:

FLOOR SLABS - 4,000 PSI
FOOTINGS AND MISCELLANEOUS CONCRETE WORK - 3,000 PSI
WALLS AND EXTERIOR CONCRETE EXPOSED TO WEATHER - 4,000 PSI
MAXIMUM SLUMP - 4"
WATER CEMENT RATIO NOT TO EXCEED 0.48
6% AIR ENTRAINMENT (+/- 1%)
WATER TO BE POTABLE
REINFORCING BARS - ASTM A615, GRADE 60 MINIMUM

DRAWING ELEVATIONS:

ELEVATIONS NOTED ON THIS PLAN ARE BASED ON THE TOP OF A TYPICAL 9' WALL SET AT 100'-0".
100'-0" WILL BE 1'-2 1/8" BELOW THE FIRST FLOOR TOP OF SUBFLOOR.
SEE CIVIL DRAWINGS FOR HEIGHT OF FIRST FLOOR SUBFLOOR AS IT RELATES TO THE SURVEY ELEVATION DATUM.

T.O.W. = TOP OF WALL
T.O.L. = TOP OF LEDGE
T.O.F. = TOP OF FOOTING



HOUSE - LOWER LEVEL FLOOR PLAN / FOOTING & FOUNDATION PLAN

1/4" = 1'-0"

01

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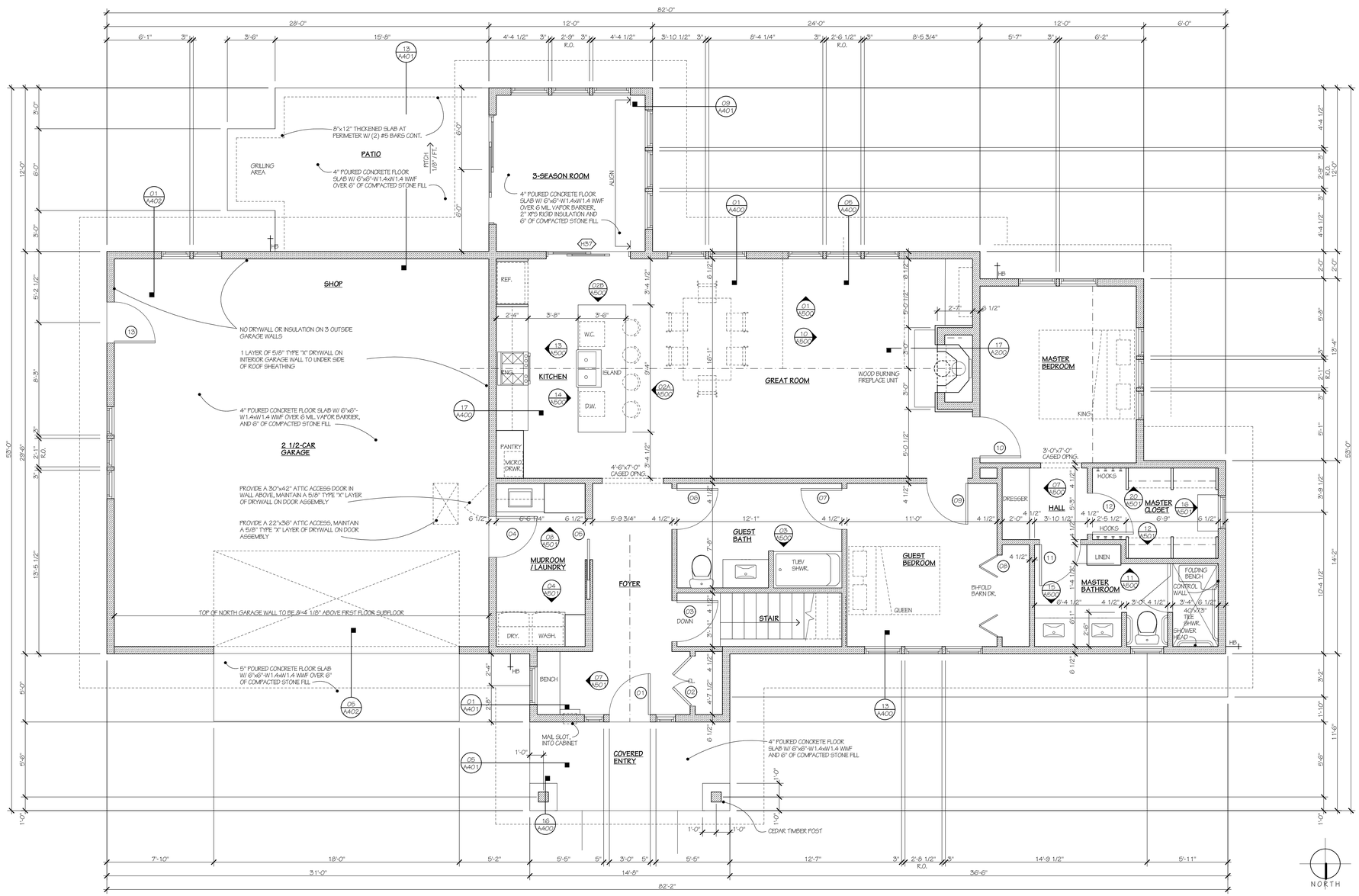
A-1.00



WALL LAYOUT:

- ALL EXTERIOR DIMENSIONS TO STUD WALLS ARE TO THE OUTSIDE FACE OF THE SHEATHING.
- DIMENSIONS TO TIMBER POSTS ARE TO THE CENTER OF POST
- ALL INTERIOR DIMENSIONS ARE TO THE FACE OF 1/2" GYPSUM BOARD.

DRAWING KEY:

- 05 / A401 — DRAWING NUMBER, SHEET NUMBER, WALL SECTION KEY
- 01 / A501 — INTERIOR ELEVATION KEYS
- 01 — DOOR NUMBER
- WINDOW NUMBER
- HB — HOSE BIB

HOUSE - FIRST FLOOR PLAN

1/4" = 1'-0" | 01

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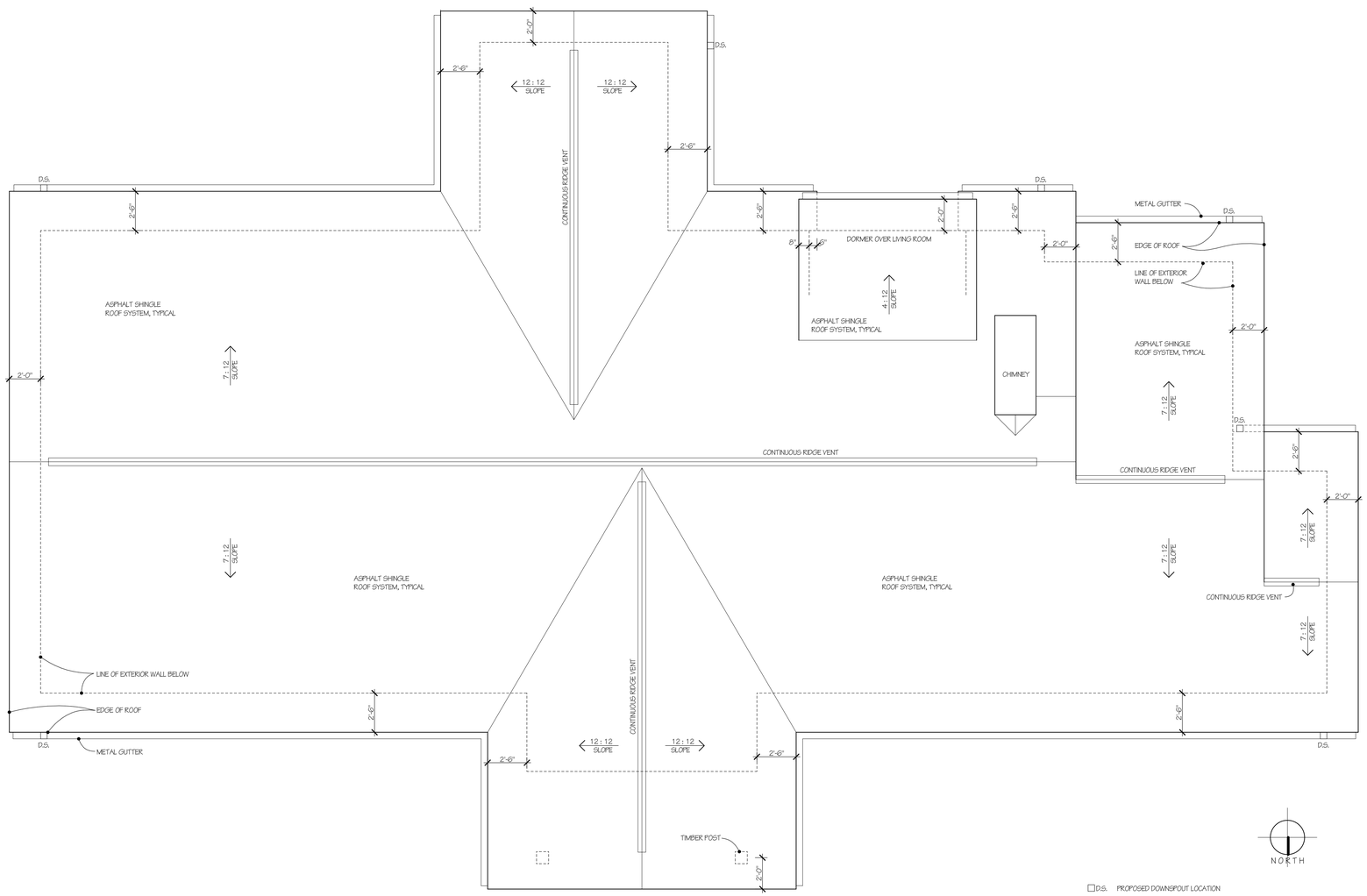

HOUSE - ROOF PLAN

1/4" = 1'-0"

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A-1.02

WINDOW AND DOOR HEADERS

SEE HEADER SCHEDULE FOR ALL WINDOW AND DOOR HEADERS ON EXTERIOR WALLS AND INTERIOR BEARING WALLS.

ALL INTERIOR NON-LOAD BEARING HEADERS ARE TO BE (2) 2x6s WITH 1 SHOULDER STUD AND 1 KING STUD ON EACH END.

PROVIDE (2) 2x6 STUDS BETWEEN ALL WINDOWS IN SERIES. HEADER TO BE CONTINUOUS FOR FULL WIDTH OF WINDOWS IN SERIES.

HEADER SCHEDULE

PROVIDE THE QUANTITY OF STUDS AT EACH BEARING END OF HEADER UNLESS NOTED OTHERWISE.

TAG	HEADER SIZE	SHOULDER STUDS
HD-1	(2) 2x8	(1)
HD-2	(2) 2x10	(2)
HD-3	(3) 7 1/4" LVL	(2)
HD-4	(2) 11 7/8" LVL	(2)
HD-5	(3) 2x8	(2)
HD-6	(3) 2x10	(2)
HD-7	(3) 9 1/2" LVL	(2)
HD-8	(4) 14" LVL	(3)

IN ADDITION TO THE SHOULDER STUDS, PROVIDE KING STUDS AS NOTED ON THE "KING STUD SCHEDULE".

LATERAL BRACING

PROVIDE THE FOLLOWING ANCHORS TO ALL WALL SHEATHING THROUGHOUT:

FASTEN OSB SHEATHING WITH A MINIMUM OF 8d COMMON NAILS AT 6" O/C AT PANEL EDGES AND 12" O/C AT INTERMEDIATE STUDS, FULL HEIGHT OF WALL.

KING STUD SCHEDULE

EXTERIOR OPENINGS

A.	0'-0" < OPENING ≤ 5'-0"	(1) STUD
B.	5'-0" < OPENING ≤ 8'-0"	(2) STUDS
C.	8'-0" < OPENING ≤ 12'-0"	(3) STUDS
D.	12'-0" < OPENING ≤ 16'-0"	(4) STUDS

INTERIOR OPENINGS

A.	0'-0" < OPENING ≤ 8'-0"	(1) STUD
B.	8'-0" < OPENING ≤ 16'-0"	(2) STUDS

KING STUD SCHEDULE APPLIES TO ALL HEADERS UNLESS NOTED OTHERWISE ON FRAMING PLAN

GENERAL FRAMING NOTES:

- ALL STRUCTURAL JOIST, RAFTERS, BEAMS, AND HEADERS NOTED TO BE SOLID LUMBER ARE TO BE DOUGLAS FIR #2 GRADE OR BETTER.

- ALL STUDS, BLOCKING AND NAILERS TO BE SPF, DOUGLAS FIR, SOUTHERN PINE, OR HEM-FIR, #2 GRADE OR BETTER.

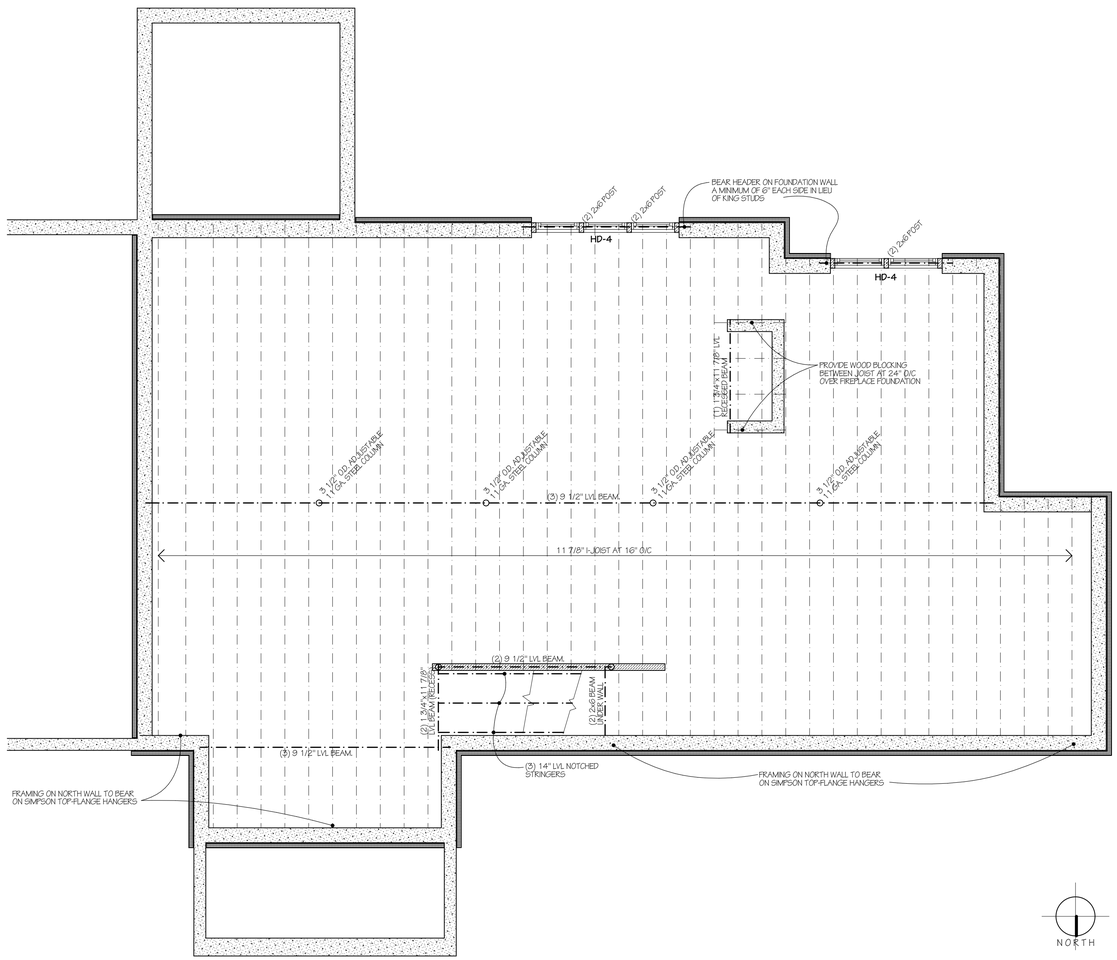
- ALL CEDAR TIMBERS AND RAFTERS TO BE WESTERN RED CEDAR, #2 GRADE OR BETTER.

- ALL LVL FRAMING TO MEET THE FOLLOWING MINIMUM REQUIREMENTS:

  Fb: 2,600 psi
  Fv: 750 psi
  Fc⊥: 2,510 psi
  Fc: 2,85 psi
  E: 1,900,000 psi
  G: 118,750 psi

- TRUSS LAYOUT, THE TRUSS LAYOUT SHOWN IS CONCEPTUAL. THE TRUSS MANUFACTURER IS TO PREPARE A FINAL LAYOUT BASED ON THEIR FINAL TRUSS DESIGN.

  PROVIDE THE FOLLOWING LOADING:
  30 PSF LIVE LOAD
  20 PSF WIND LOAD
  15 PSF DEAD LOAD
  MAX. LIVE LOAD DEFLECTION = L/360



HOUSE - FLOOR FRAMING PLAN

1/4" = 1'-0"

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A-1.11

WINDOW AND DOOR HEADERS

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KING STUD SCHEDULE

EXTERIOR OPENINGS

A. 0'-0" < OPENING ≤ 5'-0" (1) STUD

B. 5'-0" < OPENING ≤ 8'-0" (2) STUDS

C. 8'-0" < OPENING ≤ 12'-0" (3) STUDS

D. 12'-0" < OPENING ≤ 16'-0" (4) STUDS

INTERIOR OPENINGS

A. 0'-0" < OPENING ≤ 8'-0" (1) STUD

B. 8'-0" < OPENING ≤ 16'-0" (2) STUDS

KING STUD SCHEDULE APPLIES TO ALL HEADERS UNLESS NOTED OTHERWISE ON FRAMING PLAN

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  Fc∥: 2,510 psi
  Fv: 285 psi
  E: 1,900,000 psi
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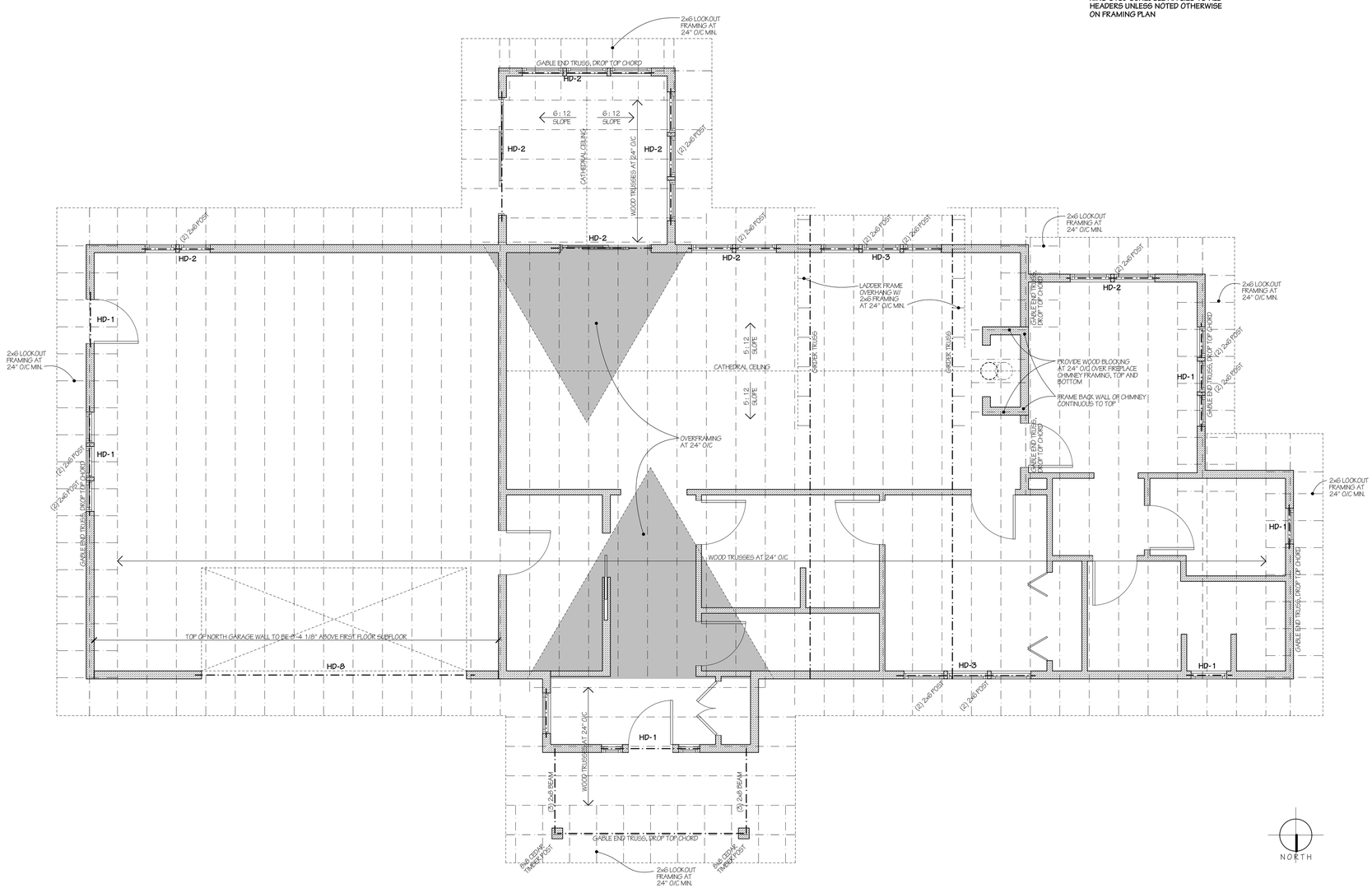

HOUSE - ROOF FRAMING PLAN

1/4" = 1'-0"

01

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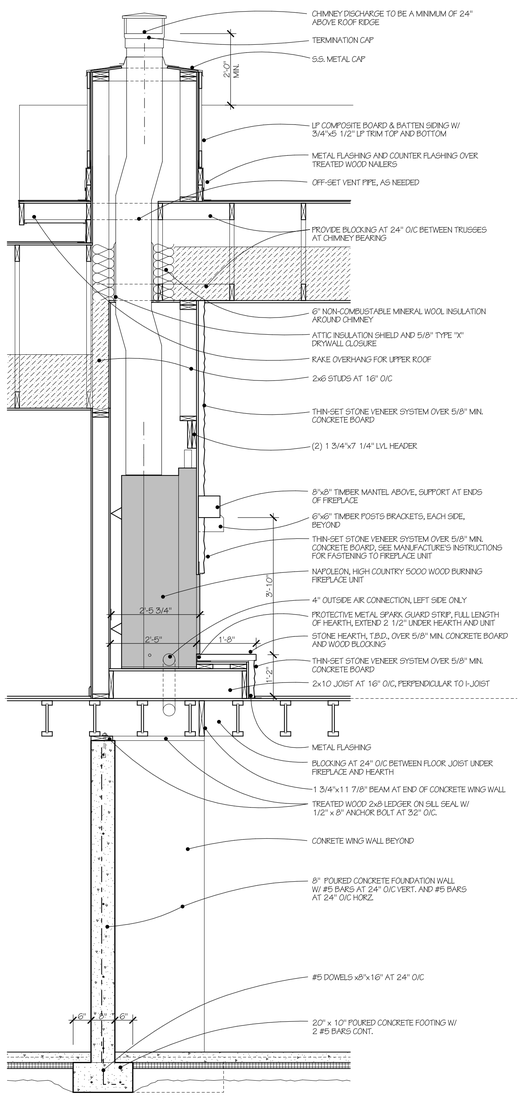
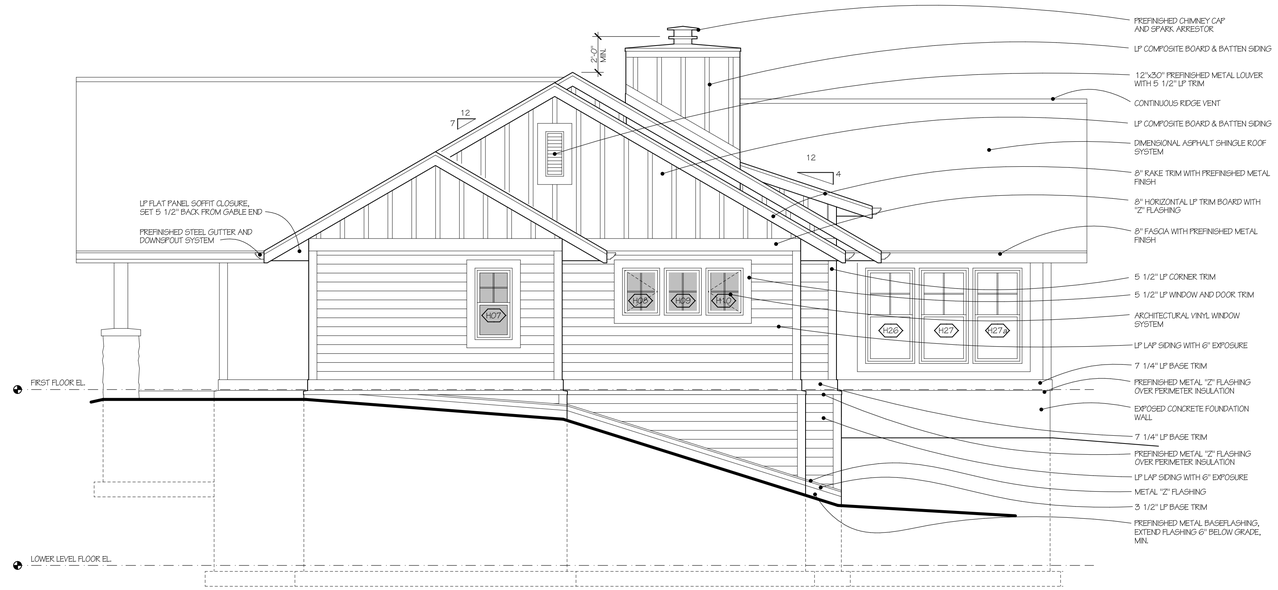
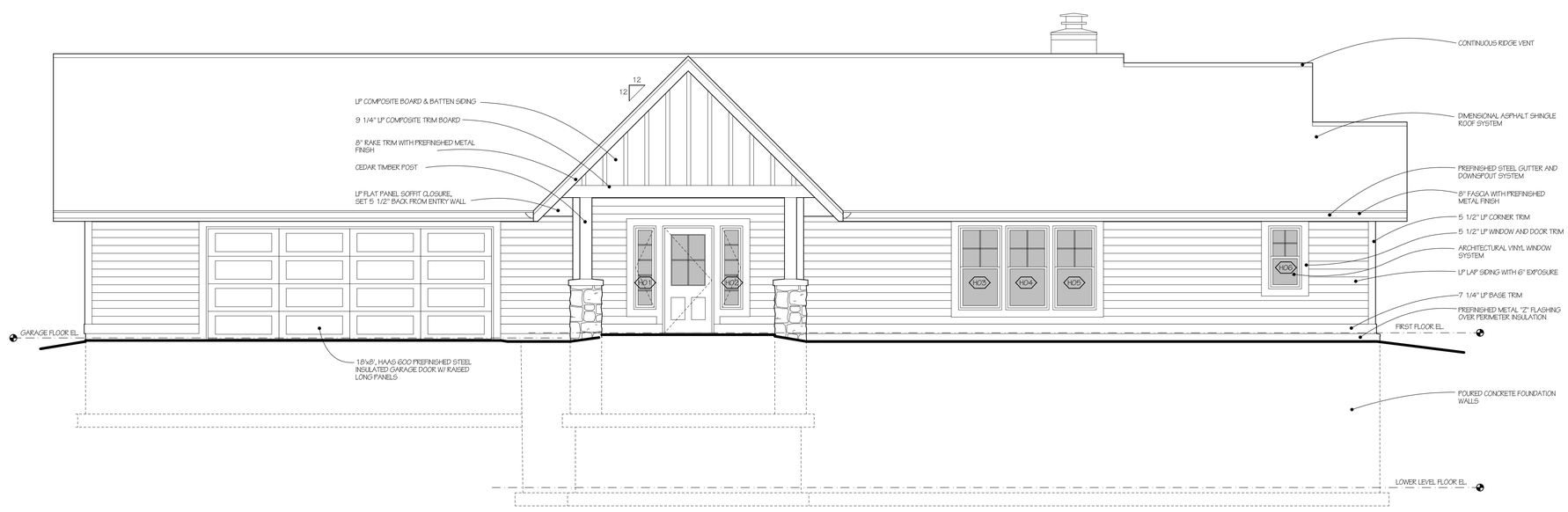
A-1.12



GREAT ROOM FIREPLACE SECTION 1/2" = 1'-0" 17



HOUSE - WEST ELEVATION 1/4" = 1'-0" 03



HOUSE - NORTH ELEVATION 1/4" = 1'-0" 01

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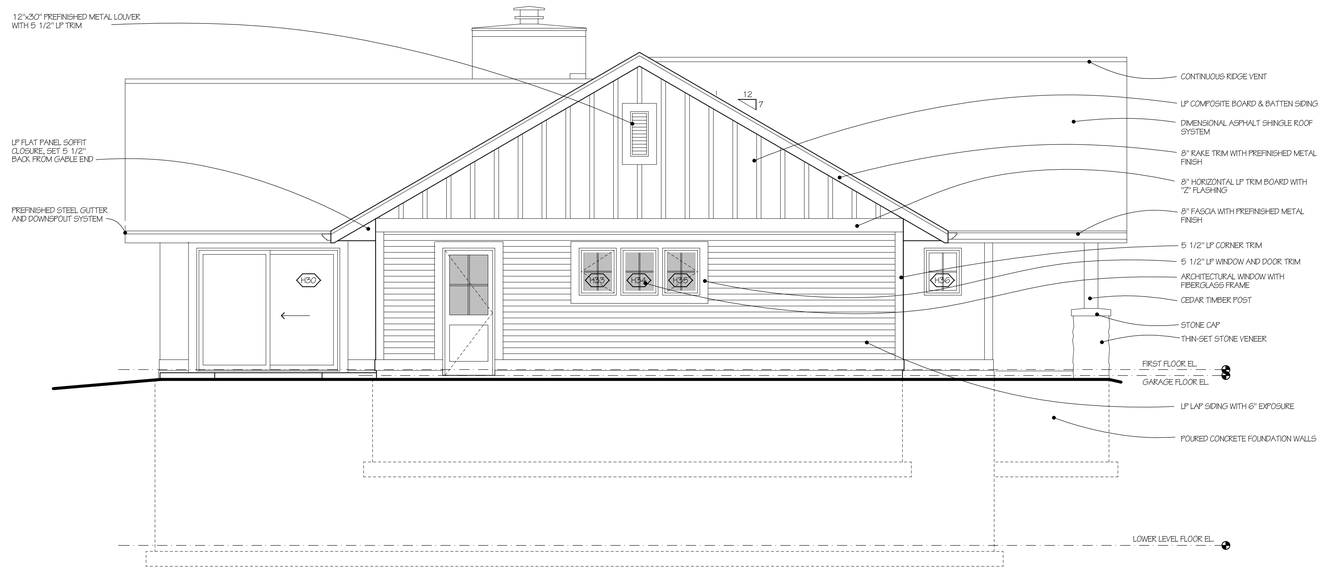
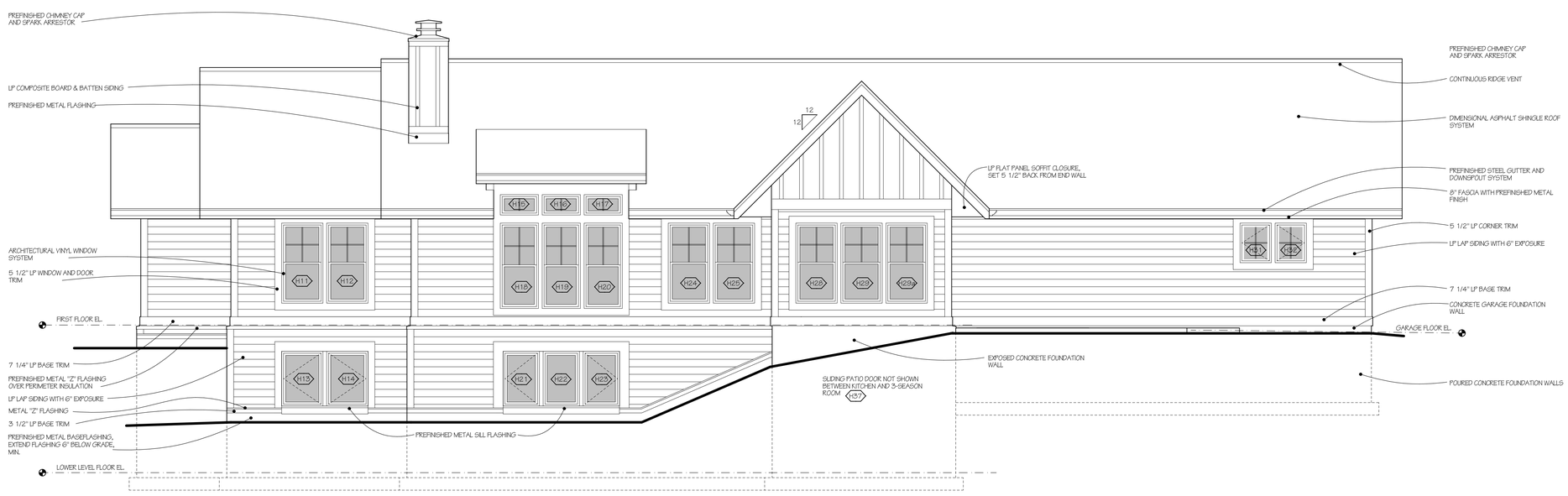
A-2.00



HOUSE - EAST ELEVATION

1/4" = 1'-0" | 03



HOUSE - SOUTH ELEVATION

1/4" = 1'-0" | 01

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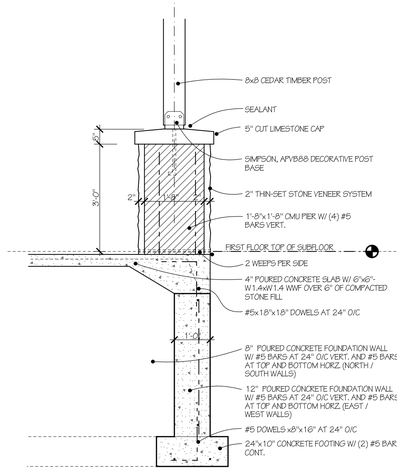
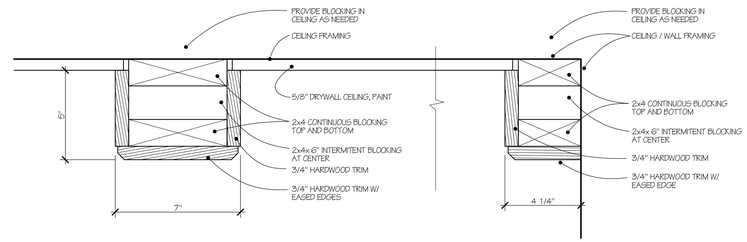
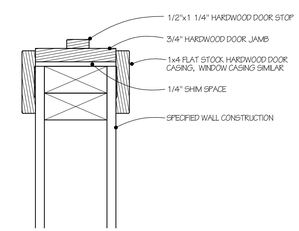
A-2.01



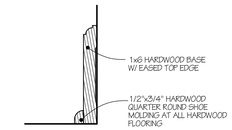
ENTRY PIER DETAIL 3" = 1'-0" 16



BEAMS IN GREAT ROOM CEILING 3" = 1'-0" 12



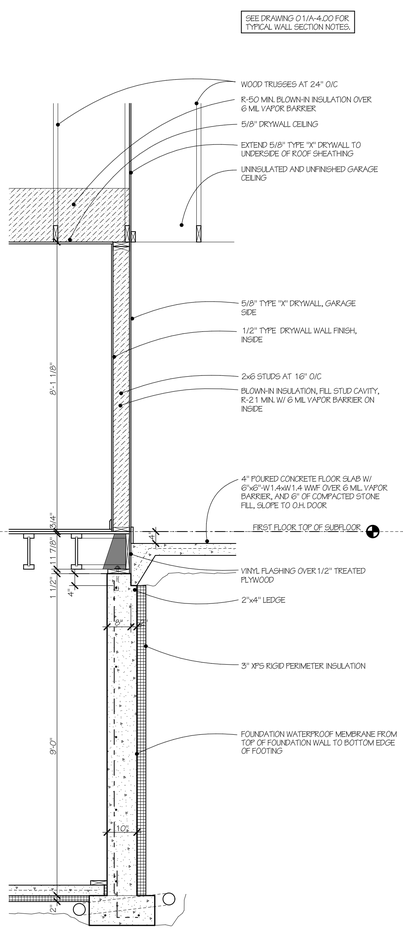
C-1 CASING



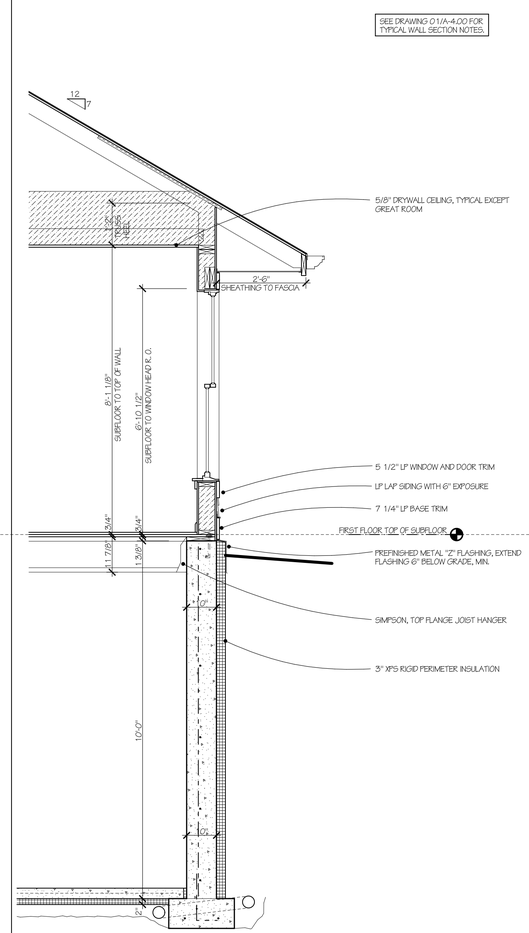
B-1 BASE

TYP. WOOD CASING 3" = 1'-0" 08

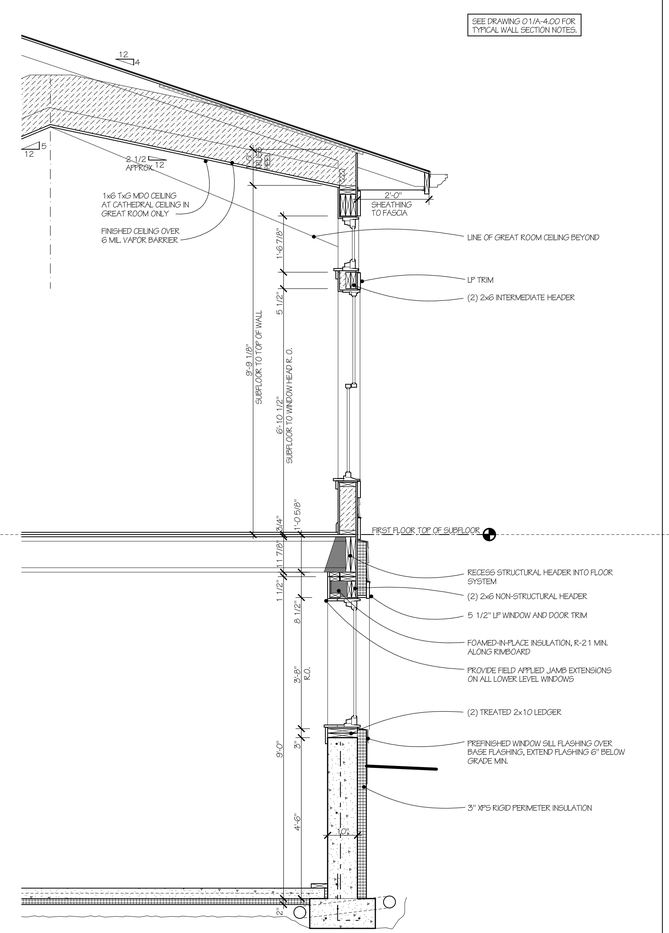
TYP. WOOD BASE 3" = 1'-0" 04



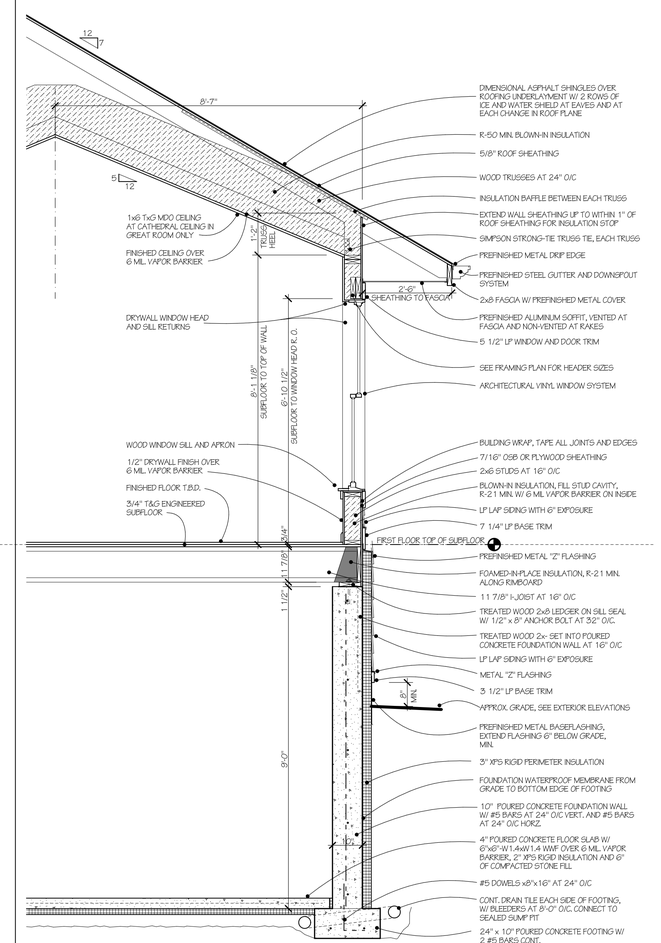
GARAGE / HOUSE SECTION 1/2" = 1'-0" 17



WALL SECTION AT PLANTER 1/2" = 1'-0" 13



WALL SECTION AT GREAT ROOM DORMER 1/2" = 1'-0" 05



WALL SECTION AT GREAT ROOM 1/2" = 1'-0" 01

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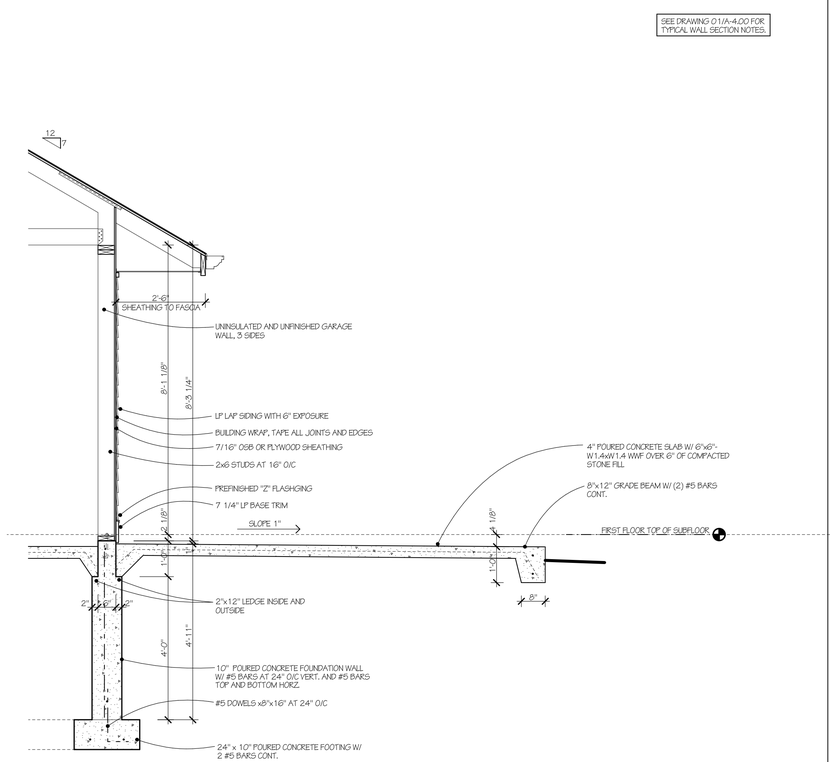
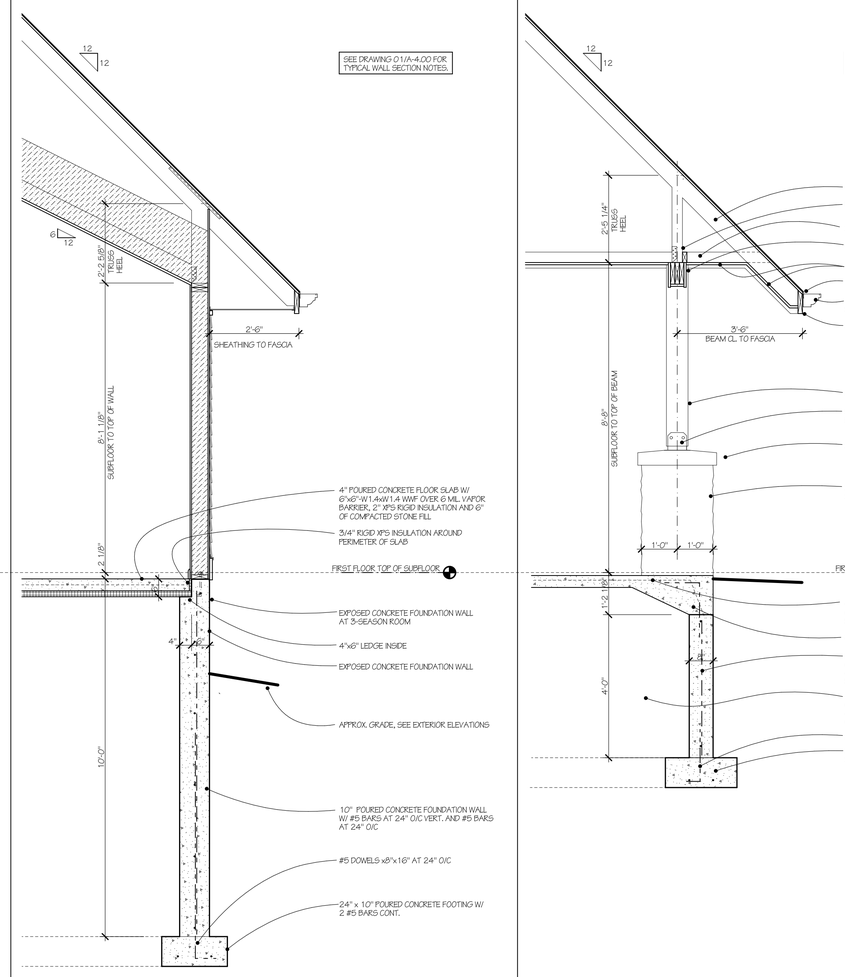
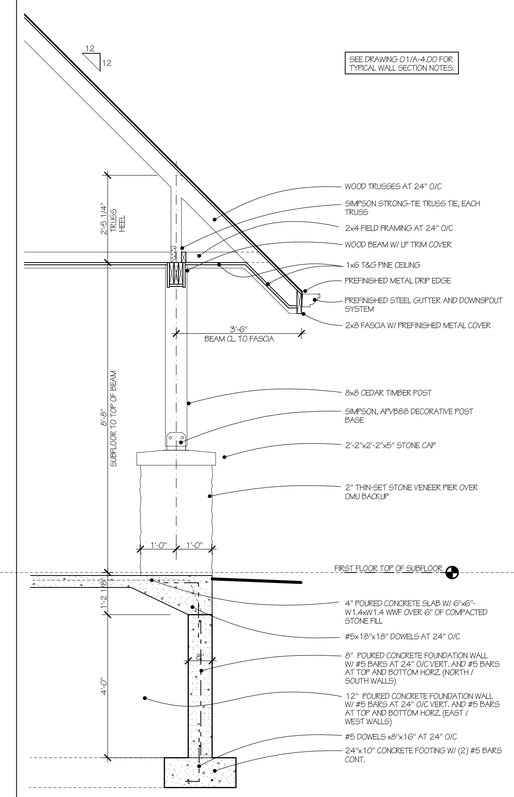


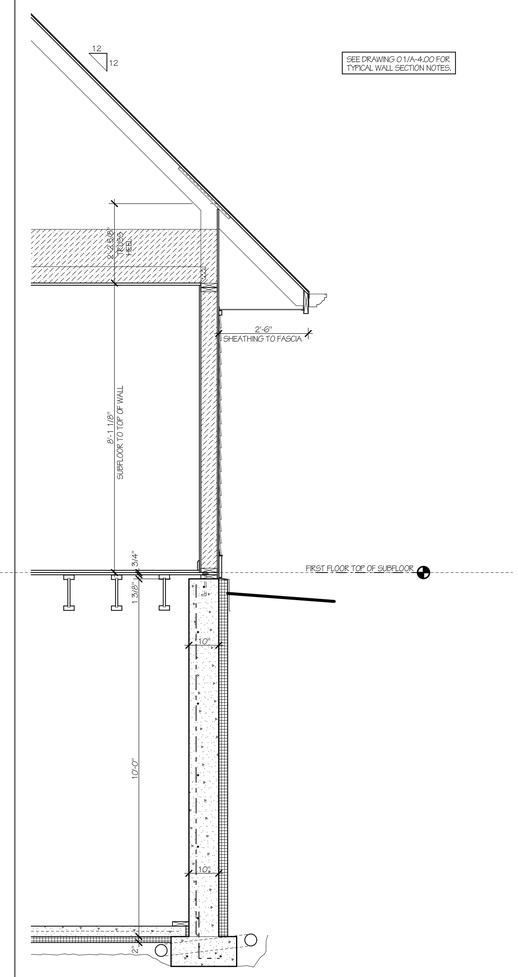
WALL SECTION AT COVERED PATIO 1/2" = 1'-0" 13



WALL SECTION AT 3-SEASON ROOM 1/2" = 1'-0" 09



WALL SECTION AT ENTRY 1/2" = 1'-0" 05



WALL SECTION AT FOYER 1/2" = 1'-0" 01

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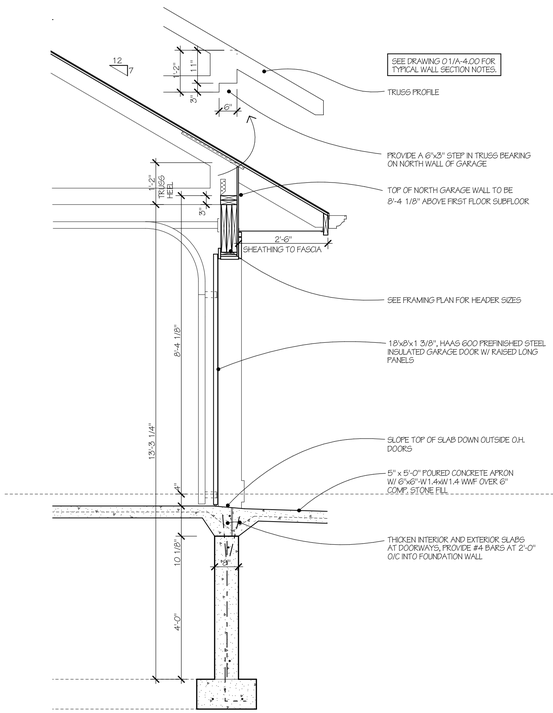

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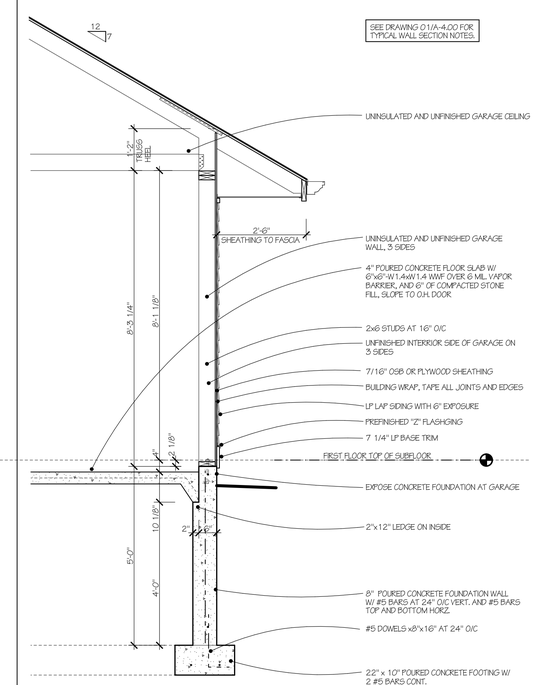

WALL SECTION AT GARAGE 1/2" = 1'-0" | 01

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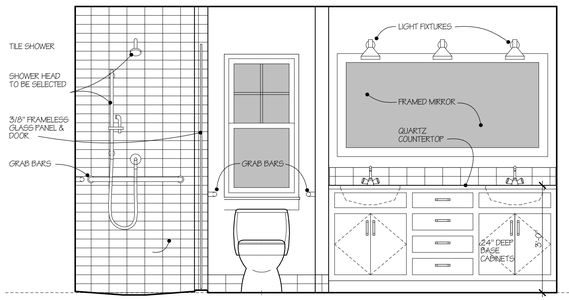
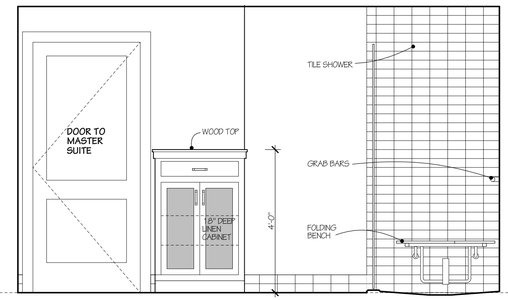
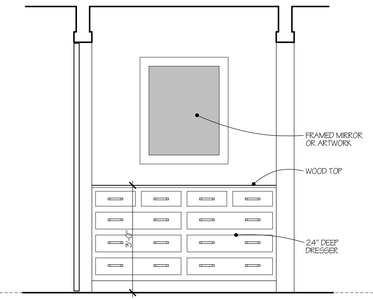
INTERIOR ELEVATIONS



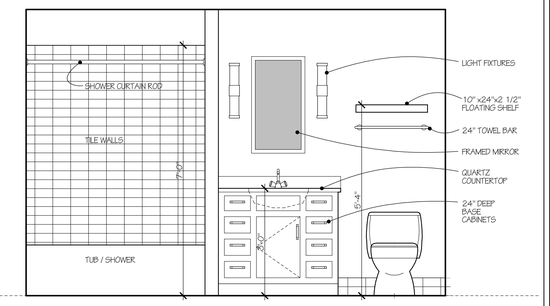
MASTER BATHROOM - LOOKING NORTH 1/2" = 1'-0" | 15



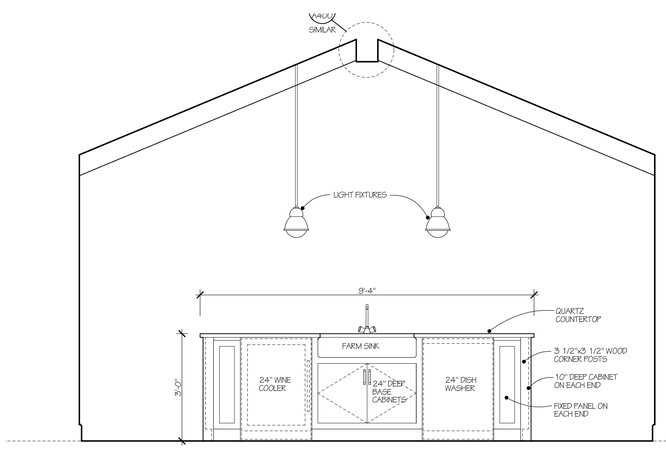
MASTER BATHROOM - LOOKING SOUTH 1/2" = 1'-0" | 11



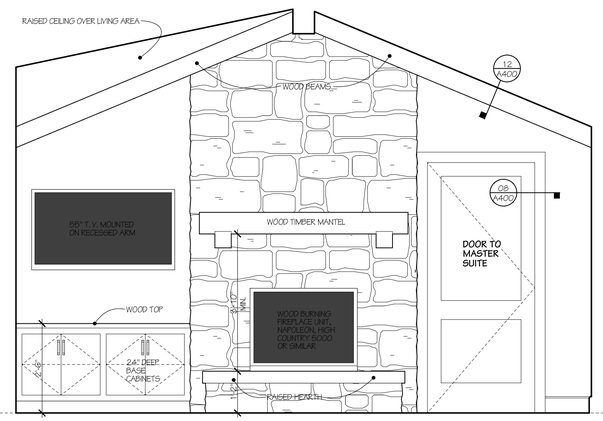
MASTER HALL - LOOKING EAST 1/2" = 1'-0" | 07



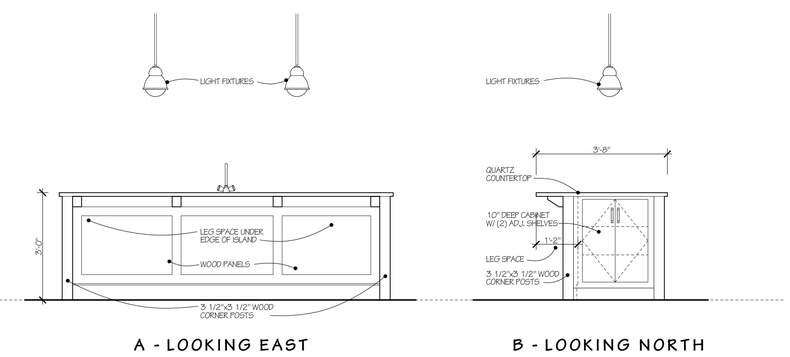
GUEST BATHROOM - LOOKING NORTH 1/2" = 1'-0" | 03



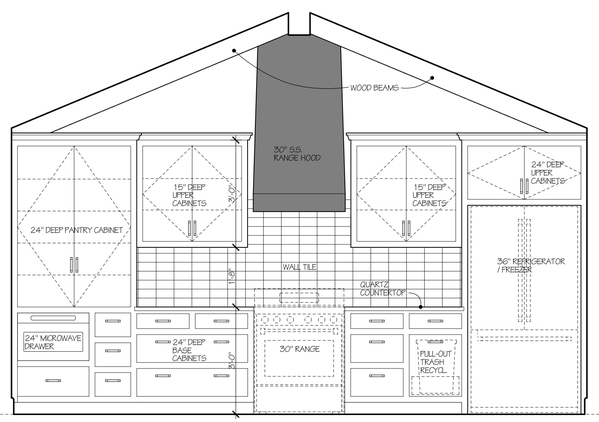
KITCHEN / ISLAND - LOOKING WEST 1/2" = 1'-0" | 14



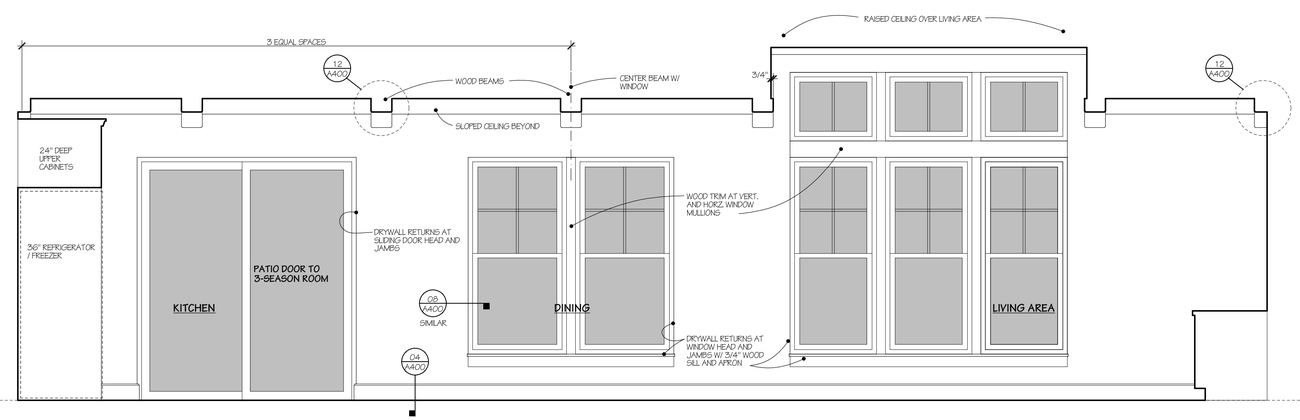
GREAT ROOM - LOOKING WEST 1/2" = 1'-0" | 10



KITCHEN ISLAND 1/2" = 1'-0" | 02



KITCHEN - LOOKING EAST 1/2" = 1'-0" | 13



LIVING ROOM - LOOKING SOUTH 1/2" = 1'-0" | 01

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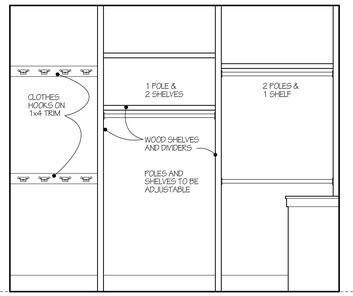
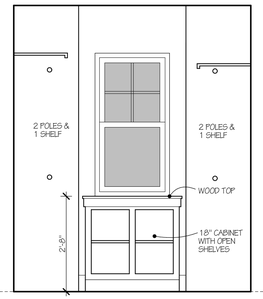
INTERIOR ELEVATIONS

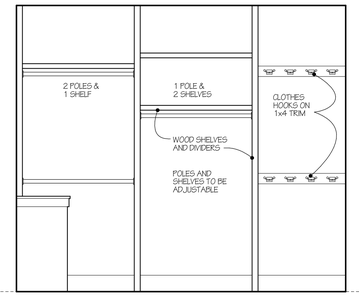


MASTER CLOSET - LOOKING SOUTH 1/2" = 1'-0" 20

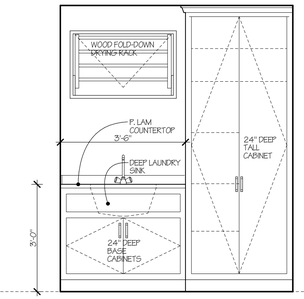


1/2" = 1'-0"

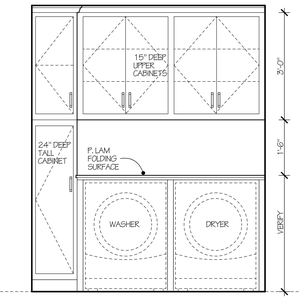
MASTER CLOSET - LOOKING WEST 16



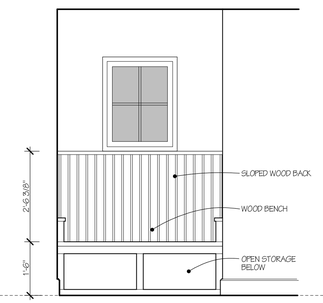
MASTER CLOSET - LOOKING NORTH 1/2" = 1'-0" 12



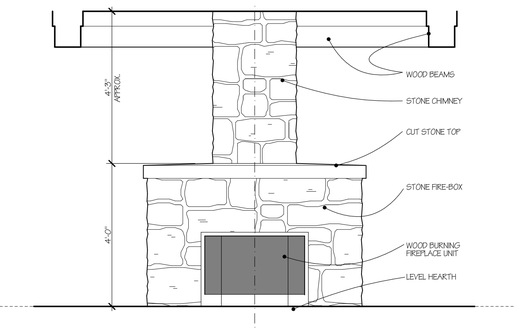
LAUNDRY - LOOKING SOUTH 1/2" = 1'-0" 08



LAUNDRY - LOOKING NORTH 1/2" = 1'-0" 04



ENTRY - LOOKING EAST 1/2" = 1'-0" 07



COVERED PATIO - LOOKING SOUTHEAST 1/2" = 1'-0" 03

1/2" = 1'-0" 01

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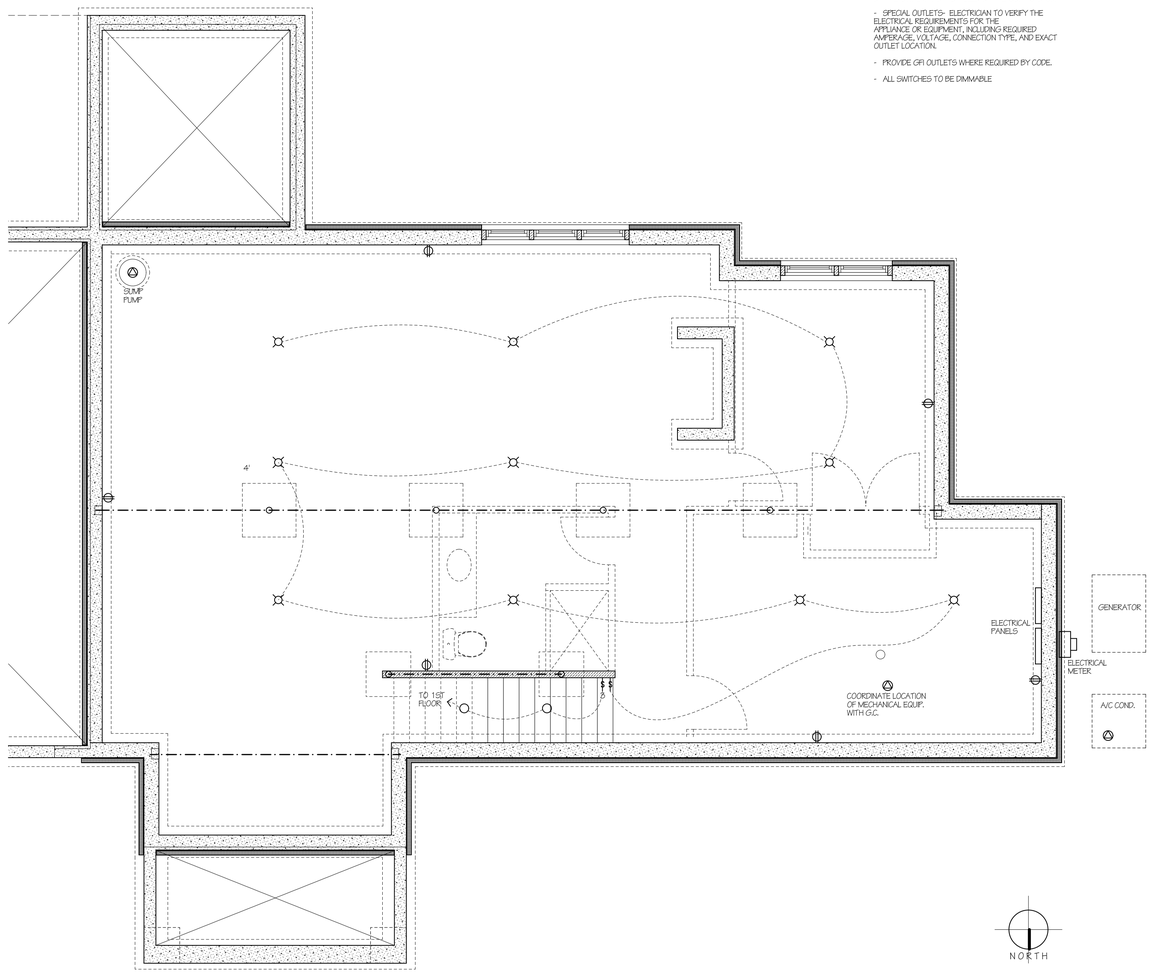
LIGHTING & POWER PLAN KEY

- WALL SWITCH
- 3 2-WAY SWITCH
- K.P. KEY PAD
- DUPLEX OUTLET
- DUPLEX OUTLET/USB OUTLET
- WP DUPLEX OUTLET, WATERPROOF
- FLOOR OUTLET
- SPECIAL OUTLET
- F.L.H. EXHAUST FAN, LIGHT, & HEATER
- (DECORATIVE) CEILING FAN
- UNDER CABINET LED LIGHT
- 2 HEADED FLOOD LIGHT
- SD SMOKE DETECTOR
- B.B. T.V. BACKBOX
- RECESSED LED DOWN LIGHT FIXTURE
- RECESSED LED DOWN LIGHT FIXTURE, AJUSTABLE
- WP RECESSED LED DOWN LIGHT FIXTURE, WATERPROOF
- (DECORATIVE) PENDANT LIGHT, LARGE
- (DECORATIVE) PENDANT LIGHT, MEDIUM
- (DECORATIVE) LED PENDANT LIGHT, SMALL
- (DECORATIVE) WALL SCONCE FIXTURE
- 2' WRAP-AROUND LED SURFACE MOUNT (2' OR 4') TUBE FIXTURE
- PORCELAIN SURFACE MOUNT CEILING FIXTURE

LIGHTING & POWER NOTES:

- ALL DECORATIVE LIGHT FIXTURES ARE TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
- SPECIAL OUTLETS- ELECTRICIAN TO VERIFY THE ELECTRICAL REQUIREMENTS FOR THE APPLIANCE OR EQUIPMENT, INCLUDING REQUIRED AMPERAGE, VOLTAGE, CONNECTION TYPE, AND EXACT OUTLET LOCATION.
- PROVIDE GFI OUTLETS WHERE REQUIRED BY CODE.
- ALL SWITCHES TO BE DIMMABLE



HOUSE - LOWER LEVEL LIGHTING & POWER PLAN

1/4" = 1'-0"

01

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LIGHTING & POWER PLAN KEY

- WALL SWITCH
- 2-WAY SWITCH
- K.P. KEY PAD
- DUPLEX OUTLET
- DUPLEX OUTLET/USB OUTLET
- WP DUPLEX OUTLET, WATERPROOF
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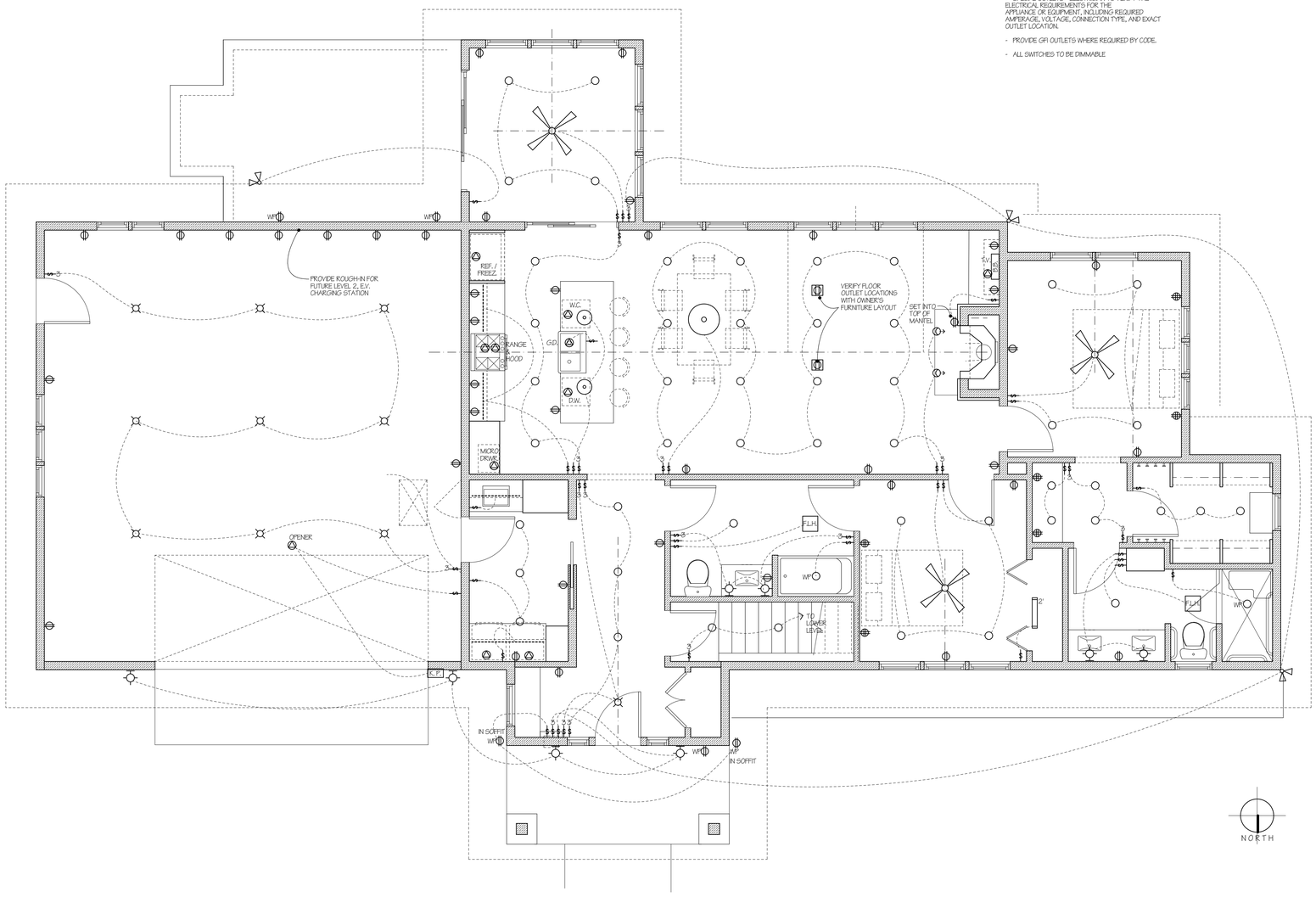

HOUSE - FIRST FLOOR LIGHTING & POWER PLAN

1/4" = 1'-0"

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Project Manual

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DIVISION 01 – GENERAL REQUIREMENTS

1. **Work**- Each Contractor will furnish all labor and materials to execute the work as shown on the drawings. Work shall be done under a general contract between Owner and General contractor.
2. **Alternates-** See the list of project alternates at the back of this specification.
3. **Owner Provided Items-** See the Schedule of Owner Provided Items at the back of this specification for work or items provided by the owner.
4. **Code Compliance**- All work shall be in compliance with state and local codes that govern for the location of the building site.
5. **Permits**- Each Contractor will provide all building permits and include the price of the permits in his or her proposal.
6. **Workmanship**- Workmanship shall be of the best quality. Each contractors will provide workmanship that is neat and secure, with the best possible appearance and utility. The Architect will be the judge of the installed work and may reject work that does not meet the standards set in these specifications. Such work will be repaired or replaced to the satisfaction of the Architect at no cost to the Owner.
7. **Refuse-** Each Contractor and Subcontractors are responsible for the removal of their own refuse from the premises. No burning of refuse on site is permitted.
8. **Modification Procedures**- If or when the Architect issues changes, modifications, or clarifications to these drawings each the Contractor is responsible to contact the General Contractor within 10 working days to inform them of any change in cost or schedule. The General Contractor will then submit total costs and schedule changes to the Owner. Submit all costs in written form with a breakdown of material quantities, labor, tax, delivery and mark-up.

   No work is to proceed on modifications that result in changes in cost or schedule without written direction from the Architect or Owner.
9. **Shop Drawings**- Provide shop drawings or samples for the following items before proceeding with fabrication or installation:
   - Wood floor trusses (Shop drawings)
   - Cabinets and millwork (Shop drawings)
   - Windows (Shop drawings)
   - Doors (Shop drawings)
   - Any other items that are indicated in the specifications

DIVISION 2 – SITE WORK & DEMOLISION

1. **General-** Notify Digger's Hotline for stake out of existing utilities before beginning any digging.
2. **Layout-** The proposed building and driveway is to be staked out by a certified surveyor. Locate the existing property lines and corners. Verify the location of existing structures and driveways indicated on the site plan. Contact the Architect if any inconsistencies are found. Verify layout with Owner or Architect prior to beginning site preparation and excavation.
3. **Erosion Control**-
   - Comply with erosion control and storm water management requirements of state and local authorities.
   - Provide temporary fences; silt fences, barricades, coverings, or other protections to preserve existing items indicated to remain and to prevent injury or damage to persons or property. Apply protection to adjacent properties as needed.
4. **Site Preparation**-

- Remove all trees, vegetation or obstructions that may interfere with construction or regrading as indicated on drawings. Removal includes digging out stumps and roots.
- Review trees to be removed with owner prior to removal.

5. **Excavation and Backfilling-** Excavate to the grade lines for footings and floor slabs as indicated on the drawings. Stockpile on site all material needed for backfilling and rough grading. Footings and grade beams are to bear on undisturbed soil. Backfill around exterior with excavated material unless noted otherwise. Interior slabs are to be backfilled with 6 inches of compacted #2 stone. Excess excavated material shall be used at the site as directed by Owner.
   A. Backfill foundation walls after temporary wall shoring/bracing has been installed
   B. When backfilling retaining walls & frost walls, back fill evenly on each side of wall
6. **Grading**-After backfilling, rough grade the site to obtain gradual slope away from the building to property lines, or drainage areas; and spread topsoil, if any, over the areas to be lawn as directed by Owner.
7. **Site Design and Landscaping-** (By others)

DIVISION 03 – CONCRETE

1. **General-** The latest issue of the American Concrete Institute and the American Society for Testing Materials Specifications, Test Methods and Recommended Practices will govern cast-in-place concrete.
2. **Forms-** Concrete forms are to be designed with sufficient stability to withstand pressure of placed concrete without bow or deflection including the impact of placement, vibrating, rodding and moving of materials and equipment.
3. **Reinforcing Bars-** Concrete reinforcing bars: ASTM A 615, Grade 60, unless otherwise indicated.
4. **Reinforcing Fabric-** Concrete reinforcing welded wire fabric: ASTM A 185, 6"x6"-W1.4xW1.4 WWF.
5. **Ready-Mix Concrete**- ASTM C 94 .
   A. 4,000 psi for floor slabs.
   B. 3,000 psi for footings and other miscellaneous concrete work.
   C. 4,000 psi for all walls and exterior concrete work exposed to weather.
   D. 4-inch maximum slump.
   E. Water to cement ratio to not exceed 0.48.
   F. 6 percent air entrainment. (+- 1%)
   G. Water to be potable.
6. **Foundation Waterproofing** – 40 Mil. Minimum, Spray-on flexible polymer enhanced waterproofing membrane. Watchdog or Tuff-N-Dry.
7. **Vapor Barrier**- Provide a 6 Mil., rot-resistant, reinforced, polyethylene film vapor barrier under all interior concrete slabs.
8. **Control Joints**- Install control joints in concrete slabs as indicated on drawings. If not indicated, space joints not more than 20 feet apart for interior slabs in heated spaces and 10 feet apart for exterior slabs or slabs in unheated spaces. Saw-cut joints are permitted if done within 24 hours of the pour.
9. **Protection-** Protect concrete from physical damage or reduced strength due to weather extremes during mixing, placement and curing. In cold weather, comply with ACI 306. In hot weather, comply with ACI 305.
10. **Aggregate Stone Drainage Fill**- Provide clean, compacted bank-run #2 stone.
11. **In-Floor Hot Water Heating**- Coordinate the construction of the interior floor slabs scheduled for in-floor heating with the design-build HVAC contractor.

12. **Concrete Sealer**- Seal all exposed concrete floors with a high quality, moisture-cured urethane, spray-on concrete sealer. (Sealing of the mud slabs is not required.)

DIVISION 04 – MASONRY

1. **General-** Comply with the recommendations of the Brick Institute of America (BIA), and the National Concrete Masonry Association. (NCMA)
2. **Concrete Block-** ASTM C 90, nominal 8" high, normal weight.
3. **Stone Sills, Caps and Base-** To be selected by the owner.
4. **Stone Hearth-** To be selected by the owner.
5. **Exterior Stone Pavers-** To be selected by the owner.
6. **Mortar**- Type M below grade and type N for all above grade applications. Mix shall be of reputable vendor with ASTM C 144 sand and potable water. Add mortar color to match sample selected by Owner.
7. **Masonry Wall Reinforcing**- electrically welded side and cross rods of ladder or truss type. 22 gage, galvanized ties placed horizontally at 16" o/c unless noted otherwise.

   - Block-Lok, AA Wire Products Company.

   - Dur-O-Wall, Dur-O-Wall Inc.
8. **Masonry Reinforcing Bars**- ASTM A615, Grade 60, unless noted otherwise.
9. **Thin-set Stone Veneer System**- Provide a thin-set stone veneer system approximately 2" thick. System to include a thin cut stone veneer of approximately 1 ¼" to 1 ½" set in a mortar setting bed, over a mortar scratch coat, wire mesh, and 2 layers of a water resistant barrier (water resistant barrier required at exterior applications only). Provide weeps at the base of all stone at a minimum of 16" on center. Stone veneer as selected by the owner.
10. **Wire Mesh**- Provide ASTM C 847, 2.5 lb./yd2 galvanized expanded metal lath; ASTM C 847, 3.4 lb./yd2 galvanized 3/8" rib lath; ASTM C 1032, 17-gauge woven wire mesh; ASTM C 933 welded wire lath.
11. **Water Resistant Barrier**- Provide ASTM D 226, Type 1, No. 15, non-perforated asphalt-saturated felt paper; UBC Standard 14-1, kraft waterproof building paper; or ICC AC-38, synthetic house wrap.
12. **Wall flashing-** Copper-fabric laminate flashing, 3 oz. Copper sheet bonded with asphalt between 2 layers of glass fiber cloth. Install at the base of all masonry veneer walls, over all steel lintels, and as indicated on the drawings.

DIVISION 05 – METALS

1. **General-** As far as possible, all work is to be fitted and shop assembled, ready for erection. All ferrous metal work is to receive one coat of rust inhibiting metal primer. Metals are to be free from defects impairing strength, durability or appearance. All metal shall be made of new material. All work is to be made and erected square, plumb, straight and true, accurately fitted with tight joints and intersections adequately reinforced and anchored in place. All steel work shall conform to the American Institute of Steel Construction, Code of Standard Practice.
2. **Steel-**

   A. Steel pipe columns: ASTM A53 grade B. 3 ½" diameter, 11 gauge, adjustable steel pipe columns.

   B. Bolts and nuts: ASTM A 307 or ASTM A 325.

DIVISION 06 – WOOD AND PLASTICS

1. **Rough Lumber-** All wood blocking, nailers, furring and studs of Standard Grade SPF, Douglas Fir, Southern Pine or Hem-Fir, No. 2 or better.
2. **Structural Lumber-** All structural joist, rafters, headers, wood beams and stair stringers will be of Douglas Fir No. 2 or better.
   A. Fb: 1,250 psi. for single members.
   B. Fb: 1,450 psi. for repetitive members.
   C. E: 1,700,00 psi.
3. **Micro-Lam Beams** (LVL)- Microllam, Trus Joist MacMillan or preapproved equal.
   A. Max. deflection: L/360.
   B. Fb: 2,600 psi.
   C. Fc': 750 psi.
   D. Fc": 2,510 psi.
   E. Fv: 285 psi.
   F. E: 1,900,000 psi.
   G. G: 118,750 psi
3. **Wood Floor I-Joist -** Floor I-joist design is the responsibility of the supplier or manufacturer. See drawings for joist depth. Provide shop drawings to Architect for approval prior to fabrication. Design to the following loads:
   A. 40 PSF floor live load.
   B. 15 PSF floor dead load.
   C. Maximum live load deflection of l/480.
4. **Wood Roof Trusses -** Roof truss design is the responsibility of the supplier or manufacturer. Provide shop drawings to Architect for approval prior to fabrication. Indicate locations for lateral support. Design to the following loads:
   A. 30 PSF roof live load.
   B. 20 PSF wind live load.
   C. 15 PSF roof dead load.
   D. Maximum live load deflection of l/360.
5. **Roof Sheathing (at Asphalt Shingle Roofing)-** 5/8" OSB board or CDX plywood, exterior grade with APA exterior glue, provide metal "H" clips where truss or rafter spacing exceeds 16" o/c. Fasten to framing members with 10d nails at 6" spacing at supported edges and 12" spacing at interior supports. Blocking is required at all changes in slope (i.e. hips & valleys). Sheathing to be from certified sustainably managed forests. (FSC, Smart Wood, or Equivalent)
6. **Wall Sheathing-** 7/16" OSB board, exterior grade with APA exterior glue. Minimum fasten to wall studs unless noted otherwise in the drawings shall be with 1 ½" 16 gage staples at 6" spacing at panel edges and 12" spacing at interior supports. See the lateral bracing notes on the framing plan for additional fastening requirements for specific locations. Stud framing or blocking is required at all panel edges. Sheathing to be from certified sustainably managed forests. (FSC, Smart Wood, or Equivalent)
7. **Wall Sheathing (Alternate)-** 7/16" structural wall sheathing panels with integrated air, water, and vapor management face layer. Include a joint and edge tape provided by the manufacturer. Air barrier to meet ASTM E 96, ASTM E 2178 and ASTM E 2357. Panel to have a Structural 1 rating. Zip-System, or preapproved equal.

8. **Floor Sheathing-** ¾" nominal, T&G engineered wood span –rated floor sheathing, LP Top-Notch 450, 23/32" actual thickness, or preapproved equal. Glue and nail to floor framing with 10d ring-shank nails at 6" spacing at supported edges and 12" spacing at interior supports.
9. **Hardwood Flooring-** 3/4" Solid T&G hardwood flooring as selected by the owner.
10. **Wood Interior Paneling**- To be selected by owner
11. **T&G Interior Ceiling Paneling-** 1x6 tongue and groove MDO with "V" grooves.
12. **T&G Exterior Ceiling Paneling-** 1x6 tongue and groove clear pine with "V" grooves.
13. **Bracket Framing-** Western Red Cedar, SFS, Tight knots of grade C or better. Smooth exposed finish.
14. **Siding and Related Trim-** See Division 7.
15. **Treated Lumber**- All rough lumber in contact with masonry or moisture will be pressure treated with water-borne preservatives.
16. **Concealed Fasteners and Connectors-** Miscellaneous fasteners and rough carpentry hardware, where not called out on the drawings, will be of a size and spacing which will develop the strength of the members being fastened. All fasteners will have a hot-dipped galvanized finish, except fasteners and connectors in contact with treated lumber are to be stainless steel. Simpson Strong-Tie Connectors.
17. **Curing-** All lumber will be kiln dried and well seasoned where the maximum moisture content is less than 19%.
18. **Installation**- Finish work will be erected plumb, true, square and in accordance with the drawings.
19. **Interior Millwork**-
    - Interior Millwork- All interior millwork including standing and running trim will meet the Architectural Woodwork Institute (AWI) Quality Standards for "PREMIUM GRADE".
    - All standing and running trim will be solid wood of species and finish as selected by the owner. Use full lengths wherever possible with no finger jointing.
    - All wood veneer used in cabinetry will be laminated to Medium-Density Fiberboard of ¾" minimum thickness.
20. **Millwork Material Schedule**.
    A. Work with owner to select desired cabinet door panel design, material, and finish.
    B. Millwork scheduled for transparent finish to be of solid hardwood. Panels are to be hardwood veneer over high-density fiberboard.
    C. Millwork scheduled for painted finish to be of solid clear birch or poplar. Panels to be of clear birch or MDO board.
    D. AWI type of cabinet construction: FLUSH CONSTRUCTION WITH FACE FRAME.
    E. Cabinet interiors (semi-exposed areas): Clear finished hardwood.
    F. Hinges: Concealed (European Type) self-closing hinge.
    G. Drawer and cabinet door pulls: Provided by owner and installed by contractor.
    H. Adjustable shelf supports: Hole and Pin type unless noted otherwise.
    I. Drawer slides: Ball bearing slides with 100# rating minimum.
    J. Provide blind corner cabinet systems in all dead corners.
    K. Closet poles: Chrome.

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

1. **Weather Resistive Barrier (Housewrap)**- Provide an air infiltration barrier and bulk moisture penetration barrier over all exterior walls as follows: Spun bonded polyolefin, non-woven, non-perforated sheet with related assembly

components. Provide a surface texture for enhanced water drainage under siding and trim. "Tyvek Drainwrap" Du Pont Company, or similar. Include 2" minimum seam tape, sealants, adhesives, primers, and flexible self-adhering membrane flashings. Fasten to the exterior wall sheathing as recommended by the manufacturer. Tape all seams, corners, and transitions. Provide a minimum of 6" laps at all horizontal seams with upper layer shingling over the lower layer. Flash around windows, doors and any penetrations in the sheathing as recommended by the manufacturer.

2. **Spray Foam Insulation-** Provide a closed-cell, medium density (minimum) polyurethane foamed-in-place insulation system. Closed-cell polyurethane to use an ozone-safe HFO blowing agent that is nonflammable with no VOCs. Provide products produced by a single manufacturer. Install product by an applicator trained and licensed by product manufacturer. Fill cavities as recommended by manufacturer. Insulation to have a minimum of R-6.0 per inch.

   A. Provide the minimum R-values as indicated on the drawings.

   B. Keep insulation tight to the outside of the roof and wall sheathing.

   C. Fill floor joist cavity along rim joist at exterior stud walls for a minimum R-value of R-21 unless noted otherwise on the drawings.

   D. Fill all voids around window and door frames.

   E. Seal around all electrical boxes on the exterior wall and all exterior wall penetrations.

   F. Any other areas indicated on the drawings.

3. **Blown Insulation**- Provide blown cellulose or fiberglass insulation in attic and stud spaces that complies with the Consumer Products Safety Commission Interim Safety Standards for Cellulose or Fiberglass Insulation. Use only U.L. labeled Cellulose or Fiberglass Insulation. Install to R-values indicated on drawings. Use with par/PAC 3-Ply Poly reinforced vapor/air barrier. Install at 3.6 to 3.8 PCF non-settling density for cellulose and 1.8 PCF for fiberglass. Provide a 3 ½" thick mineral wool batt of insulation around the wood-burning stove chimney equal in height to the blown insulation. Secure mineral wool with wire prior to blowing insulation. Box out around non-IC rated recessed light fixtures with a minimum of ½" gypsum board.

4. **Rigid Below Floor Slab Insulation Board** - Provide XPS rigid extruded polystyrene insulation board to thickness indicated on the drawings.

5. **Rigid Interior Insulation Board (Alternate for Inside Surface of Foundation Walls)**- Provide 1" of XPS rigid extruded polystyrene insulation board.

6. **Sound batt insulation (around bathrooms and bedroom interior walls)**- Un-faced acoustic glass fiber insulation meeting ASTM C 665 and ASTM E 136. Low VOC less than 0.50 mg/m3. Owens Corning Quiet Zone Acoustic Batt Insulation or preapproved equal. 3 ½" thick.

7. **Mineral Wool Batt Insulation (Around chimney)**- Provide a minimum 6" thick mineral wool batt of insulation around fireplace chimneys equal in height to the adjacent ceiling insulation. A non-combustible, moisture-resistant mineral wool insulation designed to enhance fire protection. Fire resistant to 2,000 degrees F. Thermafiber Safing by Owens Corning or similar.

8. **Vapor Barrier**- 6 Mil. Polyethylene film vapor barrier.

9. **Asphalt Roof Shingle** - Roofing will be a dimensional, 250-pound minimum fiberglass shingle, class "A" with color and texture to be approved by Owner. Install type "D" prefinished roof edge and starter strip flashing; project over edge of roof sheathing 3/8" to form a drip. Use nails of sufficient length to penetrate roof sheathing. Seal perimeter edges of shingles with roof cement. Install shingles per manufacturer's standard specifications for shingles used. CertainTeed, Landmark PRO or AR/Architect 80. Match owner's sample.

10. **Synthetic Roofing Underlayment**- Provide a synthetic roofing underlayment under all asphalt shingle roofs. Deck Armor, by GAF or pre-approved equal. Install with plastic cap nails or plastic cap staples.

11. **Ice and Water Shield-** Provide an "Ice and Water Shield" under asphalt roofs at all eaves, valleys, ridges or any change in roof pitch. Provide an "Ice and Water Shield" under the entire roofs scheduled for standing seam metal roofs. Use 40 Mil. Self-adhering membrane of high strength polyethylene film with rubberized asphalt coating, 36" wide by W. R. Grace or approved equal.

12. **Roof Ridge Vents-** Continuous ridge vents on all horizontal ridges. See roof plan for more information. Provide vents with a minimum of 18 square inches of ventilation per lineal foot. Vent system to allow capping of ridge with shingles. Shingle Vent II, Air Vent Inc. or preapproved equal.
13. **Aluminum Soffits-** Provide prefinished aluminum soffits with a minimum .016" thickness. Provide continuously venting soffits along fascia trim and solid soffits along rake trim. Provide a 2-coat finish of primer and top-coat. Include all channels and accessories for a complete installation from a single manufacturer.
14. **Aluminum Fascia, Rake and Drip Edge-** Provide a prefinished aluminum fascia, rake, and drip edge of 0.019" minimum thickness and a baked enamel finish in color selected by the owner. Aluminum cover have a double bend with a return for a 2x8 backer. Install with stainless steel nails.
15. **Gutters and Downspouts-** Provide 24 Ga. prefinished hot-dipped galvalume steel gutters, downspouts, accessories, and associated drip edges. Gutters are to have K-style profile. Downspouts are to be rectangular. Include all brackets and accessories in a matching finish
16. **Composite Siding, and Trim Boards (General)-** Provide LP SmartSide composite siding and trim. All material is to have cedar texture. All products are to be pre-colored in a standard ExpertFinish factory finish color as selected by the owner.
17. **Lap Siding-** LP 76 Series cedar texture lap with 4" exposure. Provide panels up to 16' lengths where required.
18. **Corner Boards-** LP 5 ½"x 540 Series cedar texture trim boards.
19. **Window and Door Trim-** LP 5 1/2"x 540 Series cedar texture trim boards.
20. **Horizontal Accent Trim-** LP 540 Series cedar texture trim boards.
21. **Poly-Ash Water Table Trim –** Provide a composite poly-ash trim product for the water table trim along the base of the ADU building. 5/4x10 nominal thicknesses with smooth finish. Boral TruExterior Trim.
22. **Flashing and Sheet Metal**- Flashing and sheet metal will be a manufacturer's standard coil-coated sheet steel with a fluoropolymer 2-coat coating system with 70% minimum polyvinylidene fluoride resin. All installation and workmanship to be in accordance with SMACNA standards. Provide the following thickness:
    - Flashing and counterflashing - 24 Ga.
23. **Shower Pan Liner** – PVC waterproof shower pan liner, 40 Mil. Conforming to ASTM Specification D4551. Install as recommended by manufacturer. Use adhesive approved by manufacturer. Install under all shower floors and curbs. Extend up shower walls a minimum of 18" and at all corners. HPG International Group, Oatey, or preapproved equal.
24. **Sealants-**
    - Seal all exterior joints of dissimilar materials, expansion joints, around window and doorframes, mechanical outlets and as indicated on the drawings. Use a multi-component polyurethane sealant.
    - Seal around all interior plumbing fixtures and other non-porous surfaces with a one-part silicone sealant.
    - Seal around porous surfaces with a single component polyurethane sealant.
    - All sealants must be prepared and installed in compliance with manufacturer's instructions.

DIVISION 08 – DOORS AND WINDOWS

1. **Architectural Windows** - All architectural windows are to be pre-manufactured, high energy performance units in a frame style as indicated in the window schedule and on the drawings. Provide prefinished exterior vinyl clad over wood in one of the manufacturer's standard colors. Glass shall be insulated glass with "Low E" coating and argon filled gas air space. Window interiors are to be unfinished wood. Include screens and weather stripping for all operable units. Provide factory installed jamb and head extensions where indicated in the schedule and as needed for thickness of scheduled walls. Walsh, 6,000 Windows.

2. **Doors-General**- All wood doors will comply with the American Woodwork Institute (AWI) Quality Standards for "Premium" doors.
3. **Exterior Wood Stile and Rail Doors**- Exterior doors will be 1 ¾" thick, clear vertical grain Hemlock, wood stile and rail doors with flat panels. See drawings for layout.
4. **Exterior Fiberglass Doors**- Exterior doors will be 1 ¾" thick, insulated fiberglass with stile and rail design. See drawings for layout.
5. **Interior Wood Doors**- Interior 1 3/8" stile and rail flat panel doors. 2-panel layout.
6. **Interior Wood Fire Door**- Interior 1 ¾" 20-minute wood veneer fire rated door, Simpson Door Company, 9282 FP.
7. **Frameless Shower Doors –** Frameless 3/8" clear tempered glass shower door and fixed side panel at walk-in shower. All hardware to be brushed chrome or brushed nickel. Provide 12 inch back-to-back "C" handle.
8. **Sliding Shower Door (Over Edge of Tub in Bathroom ????)-** Semi-frameless 3/8" clear tempered by-passing doors with full-length overhead support hanger and bottom track. All hardware to be brushed chrome or nickel. Provide 12" "C" handles on each door.
9. **Overhead Garage Door-** Provide a 1 3/8" thick polyurethane insulated steel panel door. Include insulated clear glass lights. Haas 600 Series 26 gauge prefinished steel overhead door. Panels to be recessed long panels. See drawings for approximate profile. Coordinate the final profile and color with the owner. Provide all hardware including a low-overhead track and a non-porous vinyl bottom weather strip. Include a ½ H.P. (minimum) automatic door opener designed to handle specified door.
10. **Bi-Folding Barn Door-** Provide a JUBEST Matte Black Steel Bi-folding Standard Double Door Barn Door Hardware Kit. 180-pound door capacity. Include all parts and accessories for a complete installation.
11. **Pocket Door Hardware-** Provide **a** pocket door frame system by Cavity Sliders. CS Cavity Slider Pocket frame with CS SofStop. Include CaviLOck pocket door hardware. Include all parts and accessories for a complete installation. https://www.cavitysliders.com/Products/Track-Systems
12. **Door Hardware, Installation-** Install hardware in accordance with manufacturer's instructions. Provide all anchors and accessories required for proper installation of hardware. Unless otherwise requested by the Owner, exterior locksets are to be mortise type. Interior locksets are to be cylinder type. Assume that all hinged doors will have 1 ½ pairs of hinges.
13. **Hardware Provided by the Owner-** Locksets, latchsets, door pulls, flushbolts, hinges, and stops will be provided by the owner and installed by the contractor. (Except bi-folding barn door and pocket door hardware to be provided and installed by the contractor.)

DIVISION 09 – FINISHES

1. **Gypsum Board**- Gypsum board will be ½" or 5/8" fire code (type X) in 4'-0" x lengths as required. Fasteners are to be power driven, type "S" bugle head, 1" long. Provide metal accessories necessary for an installation that meets the manufacturer's specifications. Provide 5/8" Type WR/MR board on all walls scheduled to receive wall tile. Provide concrete board on all tile shower walls. Apply joint treatment at all joints and fasteners as recommended by manufacturer. Use a three-coat system with sanding between each coat. Provide a spray-on orange-peel textured finish.
2. **Tile**- All floor tile and tile base will be installed in accordance with the installation specifications of the Tile Council of America (TCA) and are hereby made part of this specification.
   - All shower floor tile work will be with a thick-set mortar.
   - All other floor tile work will be with a thin-set mortar.
   - All wall and base tile work will be with a thin-set mortar.
   - Provide a rubber membrane behind all shower wall and floor tile. **Shower Pan Liner** – PVC waterproof shower pan liner, 40 Mil. Conforming to ASTM Specification D4551. Install as recommended by manufacturer. Use

adhesive approved by manufacturer. Install under all shower floors, curbs, and walls. HPG International Group, Oatey, or preapproved equal.

- Seal all tile grout joints after installation.

3. **Painting-** All exposed interior and exterior surfaces will be painted; or stained and varnished except prefinished materials. Use no-VOC or low-VOC paints and finishes where ever possible.

DIVISION 10 - SPECIALTIES

1. **Prefabricated Fireplace (Great Room)-** Prefabricated, wood burning, fireplace unit with built-in zero gravity screen and door system. Napoleon, High Country 5000. Approximately 42" wide x 30" deep x 74" high. Install per manufacturer's instructions. Provide:
   - Outside air connection
   - 10" double wall chimney system and cap, with spark arrestor.
   - Install with a raised hearth as indicated on the drawings.
2. **Glass Mirrors –** ¼" clear glass mirrors set in wood frames as indicated on the drawings.
3. **Toilet and Bath Accessories**- All toilet and bath accessories are to be provided by the Owner and installed by the Contractor:
   - Toilet paper dispenser
   - Towel bars

DIVISION 15A – PLUMBING

The Plumbing Contractor will be responsible for the design of the plumbing system. It is intended that the plumbing system is a complete and fully operable system. The work indicated on the drawings and in these specifications is intended to be an outline of the scope of work. All work will be performed in strict accordance with all State and Local codes including applicable chapters of the Wisconsin and Local Plumbing code. Include all plumbing review fees and permits.

1. Waste system: Connect to city sewer system.
2. Water supply: Connect to city domestic water system
3. Connection and installation of all new plumbing fixtures as indicated on the drawings. Provide new floor drains for all showers. All new showers bases are to be of tile construction. Coordinate the installation of the floor drains with the waterproof membrane.
4. Provide rough plumbing for future plumbing fixtures in the lower level.
5. Install gas piping to all gas appliances and equipment.
6. All hose bibs are to be frost proof.
7. Provide PVC drain pan for washing machine. Connect drain pan under washer to waste system.

DIVISION 15B – HEATING, VENTILATING AND AIR CONDITIONING

The Heating, Ventilating and Air Conditioning (HVAC) Contractor will be responsible for the design of the HVAC system. It is intended that the HVAC system is a complete and fully operable system. The work indicated on the drawings and in these specifications is intended to be an outline of the scope of work. All work will be performed in strict

accordance with all State and Local codes including applicable chapters of the Wisconsin and Local Building Code. Include all HVAC permits.

1. Home- Provide a natural gas forced air heating system with separate zones.
2. A.D.U.- Provide a high efficiency gas fired boiler for hydronic in-floor heat throughout the first floor and hydronic base board heating on the second floor. Include in-floor A-pex tubing in floor slab. Coordinate work with concrete contractor.
3. Home and A.D.U.- Provide a central air conditioning system. Locate condensing units as indicated on site drawings.
4. Controls are to be programmable thermostats with night setback.
5. Include exhaust fans at all kitchens and all toilet rooms. Exhaust to exterior.
6. Provide an air exchange system with heat recovery.
7. Size ductwork for quiet operation. Flexible ductwork will not exceed 12 feet. Provide insulated ductwork as required by Wisconsin State Code. Reuse existing ductwork if possible.
8. Provide Volume dampers on all ducts to balance system.

DIVISION 16 – ELECTRICAL

The Electrical Contractor will be responsible for the design of the electrical system. It is intended that the electrical system is a complete and fully operable system. The work indicated on the drawings and in these specifications is intended to be an outline of the scope of work. All work will be performed in strict accordance with all State and Local codes including applicable chapters of the Wisconsin and Local Building Code. Include all electrical permits.

1. Provide all temporary power during construction as required by the General Contractor.
2. Provide a new distribution panel to handle the loads of the proposed home and A.D.U. plus a minimum additional load of 25% for future expansion.
3. Outlets shown on the drawings are those required by the Owner for convenience. Include in the base electrical cost any outlets that need to be added to meet state and local building codes.
4. Design the system to include those power and lighting items indicated on the floor plans. Include all electrical fixtures except those indicated as decorative. Include installation of decorative fixtures.
5. Provide a home stand-by generator system. Coordinate with general contractor and owner to determine owner's needs. Provide cost options for owner to choose from.

SCHEDULE OF ALTERNATES

Alternates- Provide alternate costs for the following items. Each item, and associated cost, is to be reviewed with the Owners for their selection.

1. Provide Zip-System 7/16" exterior wall sheathing in lieu of 7/16" OSB sheathing with building wrap.
2. Provide the owner with an alternate cost to have all 6'-8" tall entry and interior doors in lieu of 7'-0" tall.

OWNER PROVIDED ITEMS

The following items will be provided by the owner or provided under a separate contract.

1. Building hardware (Installation is included under this contract.)
2. Appliances (Plumbing connections and hard-wired electrical connections are included.)

3. Decorative light fixtures (Installation is included under this contract.)
4. Cabinet pulls (Installation is included under this contract.)
5. Bathroom accessories (Installation is included under this contract.)
6. Blinds and draperies
7. Site development and landscaping

END OF OUTLINE SPECIFICATION

TONEY RESIDENCE

Project Number: 2310

DOOR SCHEDULE

Door Types:

A - Interior wood style and rail door.
B - Exterior wood style and rail door.
C - Exterior wood 20-minute fire rated door.
D - Exterior fiberglass insulated door.

Frame Details:

FD 1 - 3/4" wood frame with casing on each side.
FD 2 - 3/4" wood pocket door frame with casing on both sides.
FD 3 - 3/4" wood frame with casing on interior and composite 1x6 trim on the exterior.

Hardware Groups:

HG1 - Lockset, 1 1/2 pair of butt hinges, and stop
HG2 - Passageset, 1 1/2 pair of butt hinges, and stop
HG3 - Dummy pulls, 1 1/2 pair of butt hinges, and rollerlatch
HG4 - Pocket door hardware, lockset, and pocket door track system.
HG5 - Lockset, deadbolt, 1 1/2 pair of B.B. butt hinges, stop, weatherstripping, and threshold
HG6 -Bi-folding barn door track systen with hinges, and dummy pulls.

NO.	TYPE	QUANT.	WIDTH	HEIGHT	THICK.	DOOR MATERIAL	GLAZING	FRAME DETAILS	FRAME MATL.	NOTES
						HOUSE				
1	B	1	3'-0"	6'-8"	1 3/4"	T.B.D.	INS.	FD3	WOOD	HG5, #1
2	A	2	3'-8"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG3
3	A	1	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG2
4	C	1	3'-0"	6'-8"	1 3/4"	T.B.D.	NONE	FD1	WOOD	HG5, #2
5	A	1	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD2	WOOD	HG4
6	A	1	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG1
7	A	1	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG1
8	A	4	6'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG6
9	A	1	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG1
10	A	1	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG1
11	A	2	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG1
12	A	1	3'-0"	6'-8"	1 3/8"	T.B.D.	NONE	FD1	WOOD	HG2
13	D	1	3'-0"	6'-8"	1 3/4"	FIBERGLASS	INS.	FD3	WOOD	HG5

DOOR SCHEDULE NOTES:

#1 - Include storm/screen door.
#2 - 20 MIN. FIRE DOOR

TONEY RESIDENCE

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WINDOW SCHEDULE

SEE DRAWING ELEVATIONS FOR WINDOW KEYS.

SPECIFIED WINDOWS:

MANUFACTURER:	WALSH, 6,000
GLASS:	INSULATED, CLEAR LOW E, ARGON FILLED
HARDWARE COLOR:	STANDARD
SCREEN:	STANDARD
GRILLES:	YES, SEE ELEVATIONS
INTERIOR FINISH:	UNFINISHED PINE
EXTERIOR FINISH:	VINYL, COLOR TBD
EXTENSIONS:	NO
ACCESSORIES:	-

Modify window dimensions if needed to fit standard unit sizes. Select standard units closest to listed rough openings.

NO.	/ PRODUCT NUMBER	JAMB SIZE	R.O. WIDTH	R.O. HEIGHT	NOTES
H01	CA1763	N/A	1'-5"	5'-3 5/8"	CASEMENT
H02	CA1763	N/A	1'-5"	5'-3 5/8"	CASEMENT
H03	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H04	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H05	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H06	DH2648	N/A	2'-2 1/2"	4'-0 1/4"	DOUBLE HUNG
H07	DH2648	N/A	2'-2 1/2"	4'-0 1/4"	DOUBLE HUNG
H08	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H09	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H10	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H11	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H12	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H13	CA3343E	N/A	2'-9"	3'-7 3/4"	CASEMENT, #2
H14	CA3343E	N/A	2'-9"	3'-7 3/4"	CASEMENT, #2
H15	DHTR3016	N/A	2'-6 1/2	1'-4 1/4"	DOUBLE HUNG TRANSOM
H16	DHTR3016	N/A	2'-6 1/2	1'-4 1/4"	DOUBLE HUNG TRANSOM
H17	DHTR3016	N/A	2'-6 1/2	1'-4 1/4"	DOUBLE HUNG TRANSOM
H18	DH3068	N/A	2'-6 1/2	5'-8 1/4"	DOUBLE HUNG
H19	DH3068	N/A	2'-6 1/2	5'-8 1/4"	DOUBLE HUNG
H20	DH3068	N/A	2'-6 1/2	5'-8 1/4"	DOUBLE HUNG
H21	CA2943E	N/A	2'-5"	3'-7 3/4"	CASEMENT, #2
H22	CA2943E	N/A	2'-5"	3'-7 3/4"	CASEMENT, #2
H23	CA2943E	N/A	2'-5"	3'-7 3/4"	CASEMENT, #2
H24	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H25	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG

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H26	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H27	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H27a	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H28	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H29	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H29a	DH3264	N/A	2'-8 1/2"	5'-4 1/4"	DOUBLE HUNG
H30	SPD8068	N/A	8'-0"	6'-10 1/2"	SLIDING PATIO DOOR
H31	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H32	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H33	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H34	CA2531	N/A	2'-1"	2'-7 5/8"	FIXED CASEMENT
H35	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H36	CA2531	N/A	2'-1"	2'-7 5/8"	CASEMENT
H37	SPD6068	N/A	6'-0"	6'-10 1/2"	SLIDING PATIO DOOR, #4

WINDOW SCHEDULE NOTES:

#1 - CUSTOM WINDOW SIZE

#2 - EGRESS WINDOW

#3 - N/A

#4 - WINDOW / DOOR NOT SHOWN ON EXTERIOR ELEVATIONS

All windows are to have drywall head and jamb returns with field applied wood sills and aprons.

ROOM FINISH SCHEDULE

COVERED ENTRY, exterior

Flooring:	Sealed concrete
Walls:	LP siding and stone veneer, (north wall only)
Base:	-
Casing:	5 ½" LP trim
Ceiling:	T&G pine, stain and varnish
Ceiling height:	8'-8"
Millwork:	-
Countertop:	-
Other:	Stone veneer piers with LP posts

FOYER

Flooring:	Hardwood strip flooring, species TBD.
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	Wood bench, stain and varnish, species TBD.
Countertop:	-
Other:	-

KITCHEN

Flooring:	Hardwood strip flooring, species TBD.
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall; wood beams TBD
Ceiling height:	Varies
Millwork:	Wood cabinets and island, stain and varnish, species TBD. Upper cabinets to be painted.
Countertop:	Quartz, including island
Other:	-

GREAT ROOM

Flooring:	Hardwood strip flooring, species TBD.
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall; wood beams TBD
Ceiling height:	Varies
Millwork:	Wood cabinets, stain and varnish, species TBD.
Countertop:	Wood, match cabinets
Other:	Stone fireplace with timber mantel

MASTER BEDROOM

Flooring:	Hardwood strip flooring, species TBD.
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	-
Countertop:	-
Other:	-

HALL

Flooring:	Hardwood strip flooring, species TBD.
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	Wood cabinets, stain and varnish, species TBD.
Countertop:	Wood, match cabinets
Other:	-

MASTER CLOSET

Flooring:	Hardwood strip flooring, species TBD.
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	Wood cabinets, shelves and divider panels, stain and varnish, species TBD.
Countertop:	Wood, match cabinets
Other:	Chrome poles and coat hooks

MASTER BATHROOM

Flooring:	Large format tile, TBD
Walls:	Painted drywall
Base:	Tile, TBD
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	Wood cabinets, stain and varnish, species TBD.
Countertop:	Quartz
Other:	Tile shower with frameless glass door and divider

GUEST BEDROOM

Flooring:	Hardwood strip flooring, species TBD.
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	-
Countertop:	-
Other:	Chrome poles and wood shelves in closet

GUEST BATHROOM

Flooring:	LVP, TBD
Walls:	Painted drywall
Base:	Tile, TBD
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	Wood cabinets, painted.
Countertop:	Quartz
Other:	Tile around tub and a shower curtain rod.

STAIR

Flooring:	Wood
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	-
Countertop:	-
Other:	Vinyl on stair treads and risers

3-SEASON ROOM

Flooring:	LVP, TBD
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	Varies
Millwork:	-
Countertop:	-
Other:	-

PATIO, exterior

Flooring:	Concrete
Walls:	LP siding and stone veneer, (south and west walls only)
Base:	-
Casing:	-
Ceiling:	-
Ceiling height:	-
Millwork:	-
Countertop:	-
Other:	Stone fireplace

GARAGE

Flooring:	Concrete
Walls:	Painted drywall (West), Unfinished (North, South, and East)
Base:	Wood 1x4, painted
Casing:	Wood 1x4, painted
Ceiling:	Painted drywall
Ceiling height:	Approx. 8'-4"
Millwork:	-
Countertop:	Wood workbench
Other:	-

LAUNDRY

Flooring:	LVP, TBD
Walls:	Painted drywall
Base:	Base B-1
Casing:	Casing C-1, painted
Ceiling:	Painted drywall
Ceiling height:	8'-0"
Millwork:	Wood cabinets, stain and varnish, species TBD. Upper cabinets to be painted.
Countertop:	Plastic Laminate
Other:	-

GENERAL ITEMS

Interior wood doors:	Stain and varnish, species TBD.
Wood window sills and door casing, C-1:	Stain and varnish, species TBD.
Wood baseboard, B-1:	Stain and varnish, species TBD.

SITE AREAS

PROPOSED PAVEMENT = 1,612 S.F. (0.037 ACRES)
PROPOSED BUILDING = 2,590 S.F. (0.059 ACRES)

EXISTING IMPERVIOUS AREA = 80 S.F. (0.002 ACRES)
EXISTING OPEN SPACE = 24,383 S.F. (0.560 ACRES)
PROPOSED IMPERVIOUS AREA = 4,202 S.F. (0.096 ACRES) [17% OF THE SITE]
PROPOSED OPEN SPACE = 20,261 S.F. (0.465 ACRES) [83% OF THE SITE]

TOTAL SITE AREA = 24,463 S.F. (0.562 ACRES)

NOTES:

1. EXISTING CONDITIONS BASED ON SURVEY BY SURVEYING ASSOCIATES INC.

2. DISTURBED AREA = 17,958 S.F. (0.412 ACRES)

3. STORM SEWER MATERIAL AND INSTALLATION PER APPLICABLE SECTIONS OF THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (STANDARD SPECIFICATIONS), WISCONSIN ADMINISTRATIVE PLUMBING CODE AND THE CITY OF WAUWATOSA REQUIREMENTS.

4. ALL TRENCHES IN PAVEMENT AREAS SHALL HAVE GRAVEL BACKFILL.

5. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION, DEPTH AND CONDITION OF STORM SEWER CONNECTION PRIOR TO UTILITY CONSTRUCTION. NOTIFY THE ENGINEER WITH ANY DISCREPANCIES.

6. STORM SEWER: PVC ASTM D3034 OR ADSN-12 HDPE

*MATERAL PER CITY REQUIREMENT. CONTRACTOR TO VERIFY.

7. CONTRACTOR TO PROVIDE TRACER WIRE OR OTHER METHOD OF LOCATING FOR ALL UNDERGROUND EXTERIOR NON-METALLIC STORM PIPE PER WISCONSIN PLUMBING CODE SECTION 182.0715(2r)..

8. SANITARY SEWER AND WATER TO BE DESIGNED BY OTHERS.

CONSTRUCTION SCHEDULE

1. OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS.
2. INSTALL CONSTRUCTION EXIT.
3. INSTALL SILT FENCE.
4. STRIP AND STOCK PILE TOP SOIL. SURROUND TOP SOIL STOCK PILE WITH SILT FENCE AND TEMP. STABILIZE. LOCATION OF STOCK PILE TO BE DETERMINED BY CONTRACTOR.
5. ROUGH GRADE SITE
6. UTILIZE DEWATERING BAG AS NECESSARY DURING EXCAVATION FOR BUILDING CONSTRUCTION. DIRECT RUNOFF FROM BAG TO EXISTING STORM WATER FACILITIES.
7. INSTALL PROPOSED UTILITIES.
8. INSTALL BASE COURSE OF PAVEMENT.
9. FINAL GRADE SLOPES AND TOPSOIL CRITICAL SLOPES; VEGETATE AND MAT ALL DISTURBED AREAS.
10. ALL EROSION CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER RAINFALL, NEEDED REPAIRS WILL BE PERFORMED IMMEDIATELY.
11. AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES AND VEGETATE THE DISTURBED AREAS.

EROSION CONTROL PRACTICES SCHEDULE

1. SILT FENCE
2. CONSTRUCTION EXIT
3. EROSION MATTING

FOR FINAL STABILIZATION, PROVIDE CLASS I, TYPE B EROSION MAT PER 'WSDOT EROSION CONTROL PAL' (OR EQUAL) IN ALL ROADSIDE DITCHES, DEWATERING SWALES, SIDE SLOPES, OUTLOT BERMS AND ALL OTHER SLOPES 4:1 OR GREATER. INSTALL PER MANUFACTURERS SPECIFICATIONS.

CJ engineering
civil design and consulting
W238 N1610 Busse Rd.
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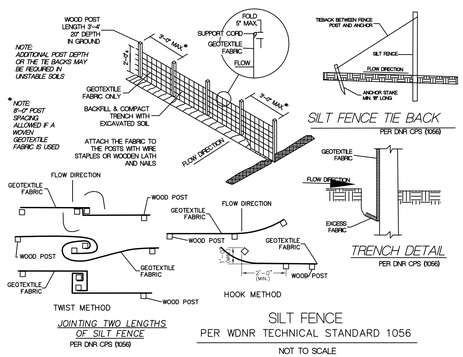
Waukesha, WI 53188
PH. (262) 513-0666
www.cj-engineering.com



CONSTRUCTION SPECIFICATIONS

PER DNR CPS (1056)

1. CONSTRUCTION SILT FENCE AROUND THE DISTURBED AREAS AS SHOWN ON EROSION CONTROL PLAN, TO PREVENT SEDIMENT FROM BEING WASHED INTO THE DRAINAGE SYSTEM

2. LOCATE POSTS PER DNR CPS (1056)

3. WHEN JOINTS ARE NECESSARY REFER, TO DNR CPS (1056)

4. FILTER FABRIC TO BE OF NYLON, POLYESTER, PROPYLENE OR ETHYLENE YARN WITH EXTRA STRENGTH – 50 LB/LIN. IN. (MIN.) – AND WITH A FLOW RATE OF AT LEAST 0.3 GAL./SQ. FT./MIN. FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS.

5. THE FILTER FABRIC SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF FABRIC IN A 4" X 6" TRENCH

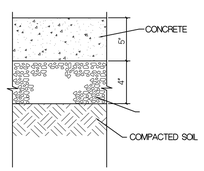
6. THE FILTER FABRIC SHALL BE STAPLED AND/OR NAILED TO THE UPSLOPE SIDE OF THE POSTS.

7. POST TO BE 1 1/8" X 1 1/8" HICKORY OR OAK, 3 FEET LONG, SPACED A MAXIMUM OF 3 FEET APART.

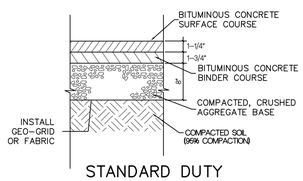
8. USE WIRE REINFORCEMENT IN UNSTABLIZED MINOR SWALES, DITCHES AND DIVERSIONS.

9. USE WISDOT APPROVED SILT FENCE

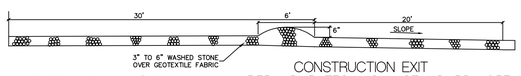
SILT FENCE
PER WDNR TECHNICAL STANDARD 1056
NOT TO SCALE



CONCRETE SIDEWALK
NOT TO SCALE



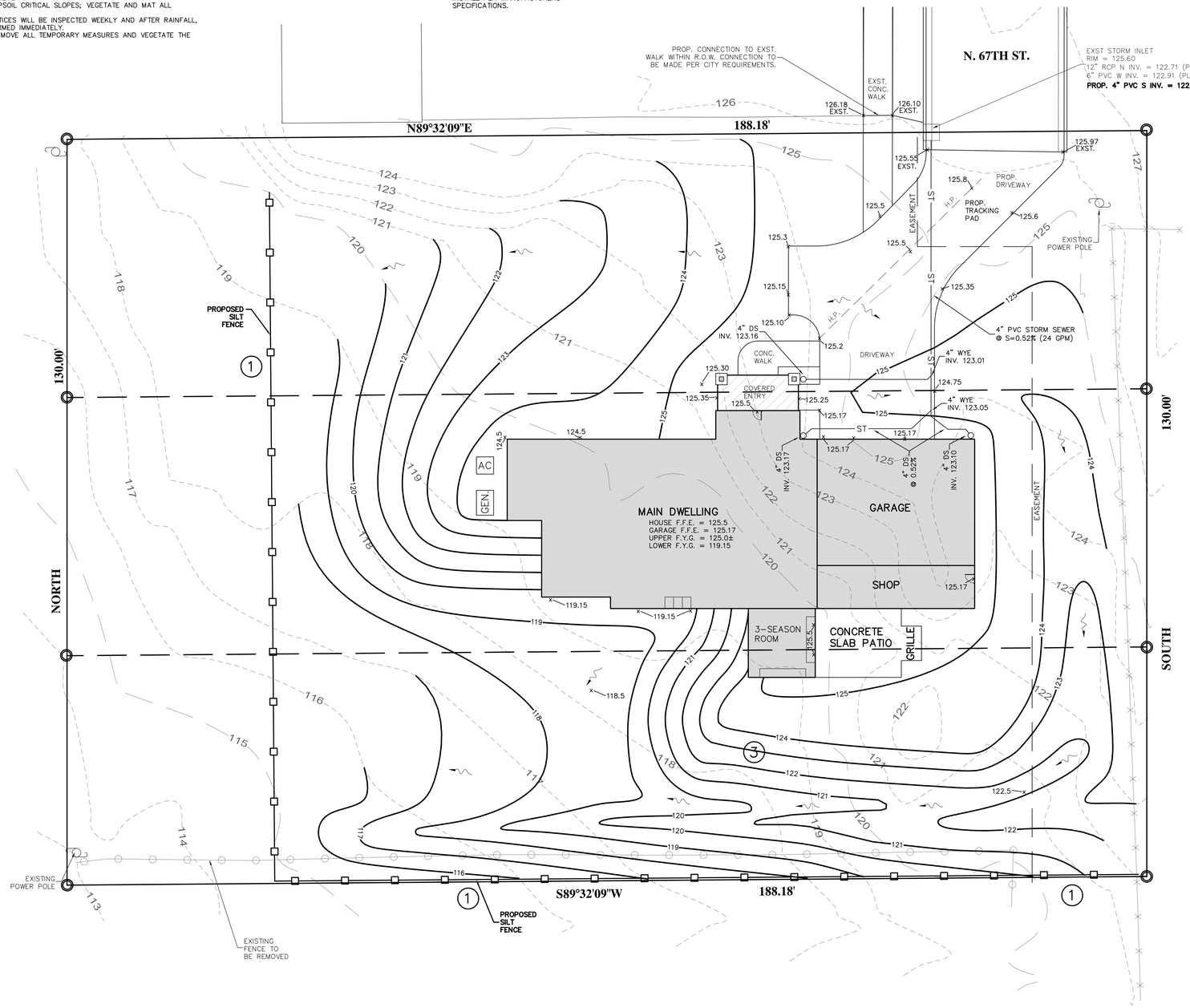
STANDARD DUTY ASPHALT PAVEMENT
NOT TO SCALE



NOTE: EXIT SHALL BE MINIMUM 18' WIDE

CONSTRUCTION EXIT
PER WDNR TECHNICAL STANDARD 1057
NOT TO SCALE

2



TONEY RESIDENCE

N 67TH ST. WAUWATOSA, WI 53213

CJE NO.: CJE2358R2
MARCH 21, 2025

LEGEND

114	EXISTING CONTOUR
115	PROPOSED CONTOUR
x 115.5	PROPOSED ELEVATION
	EXISTING STORM SEWER
ST	PROPOSED STORM SEWER
	PROPOSED SILT FENCE

www.DiggersHotline.com
DIGGERS HOTLINE
DIAL 811 OR (800) 242-8511

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 INCH = 10 FT.

SITE GRADING, STORM SEWER, DETAILS, AND EROSION CONTROL PLAN

C1.0

Wauwatosa, WI

Staff Report

7725 W. North Avenue
Wauwatosa, WI 53213

File #: 25-1191 **Agenda Date:** 9/18/2025 **Agenda #:** 2.

Foundry Way - Mayfair 2 - New Multi-Family -Return to Board

DIMENSION IV
Madison Design Group

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p608.829.4444 f608.829.4445 dimensionivmadison.com

MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

UNIT MIX

PHASE 1 UNITS

FLOOR	1	2	3	4	TOTAL
1 BED / 1 BATH	1	7	7	7	22
2 BED / 1 BATH	5	2	2	2	11
2 BED / 2 BATH	2	3	3	3	11
3 BED / 2 BATH	2	3	3	3	11
TOTAL					55

PHASE 2 UNITS

FLOOR	1	2	3	4	TOTAL
STUDIO	3	2	1	1	7
1 BED / 1 BATH	11	12	13	12	48
2 BED	4	4	4	3	15
TOTAL					70

PARKING

	PHASE 1	PHASE 2	TOTAL
SURFACE PARKING	36	31	67
UNDERGROUND PARKING	39	41	80
TOTAL			147

Architecture : **Dimension IV - Madison Design Group**
6515 Grand Teton Plaza, Suite 120, Madison, WI 53719
p: 608.829.4444 www.dimensionivmadison.com

Developer: **MSP Real Estate**
7901 West National Avenue, West Allis, WI 53214
p: 414.259.2108 www.msprealestateinc.com

Civil Engineering: **CJ Engineering**
9205 West Center Street, Suit 214, Milwaukee, WI 53222
p: 414.443.1312 www.cj-engineering.com

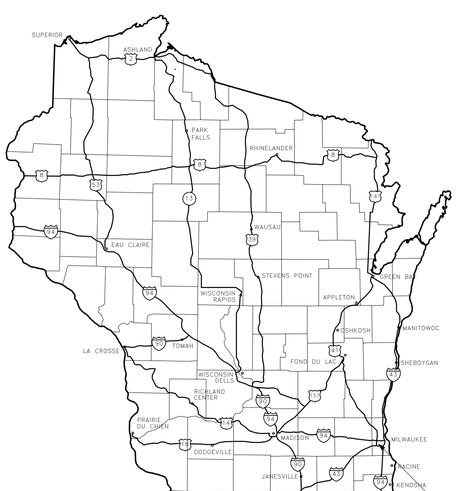
Landscape Architecture **raSmith**
16745 W. Bluemound Road, Brookfield, WI 53005-5938
p: 262.781.1000 www.rasmith.com

LIST OF DRAWINGS

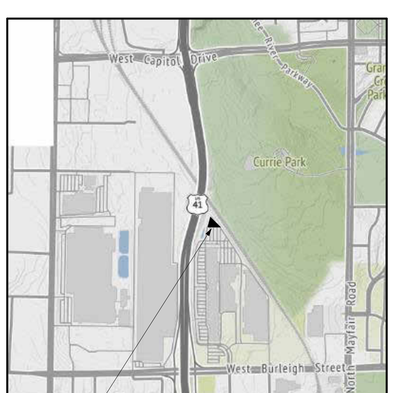
SHEET NO.	SHEET NAME
G1-0	COVER SHEET
G2-0	SITE
G3-0	SITE PHOTOS
G4-0	EXISTING PROJECT PHOTOS
G5-0	PEDESTRIAL CONNECTIVITY PLAN
AL-0	SITE SURVEY
C200	SITE PLAN
C201	PHASE 1 SITE PLAN
L100	SITE LANDSCAPE PLAN
L200	LANDSCAPE NOTES AND DETAILS
LIGHT	SITE LIGHTING PHOTOMETRICS PLAN

LIST OF DRAWINGS

SHEET NO.	SHEET NAME
A1-0	BASEMENT FLOOR PLAN
A1-1	FIRST FLOOR PLAN
A1-2	SECOND, THIRD, & FOURTH FLOOR PLANS
A2-0	MATERIAL SAMPLES
A2-1	PERSPECTIVE ELEVATION
A2-2	PERSPECTIVE ELEVATION
A2-3	PERSPECTIVE ELEVATION
A2-4	PERSPECTIVE ELEVATION
A2-5	PERSPECTIVE ELEVATION
A2-6	PERSPECTIVE ELEVATION
A2-7	EXTERIOR ELEVATIONS
A2-8	EXTERIOR ELEVATIONS



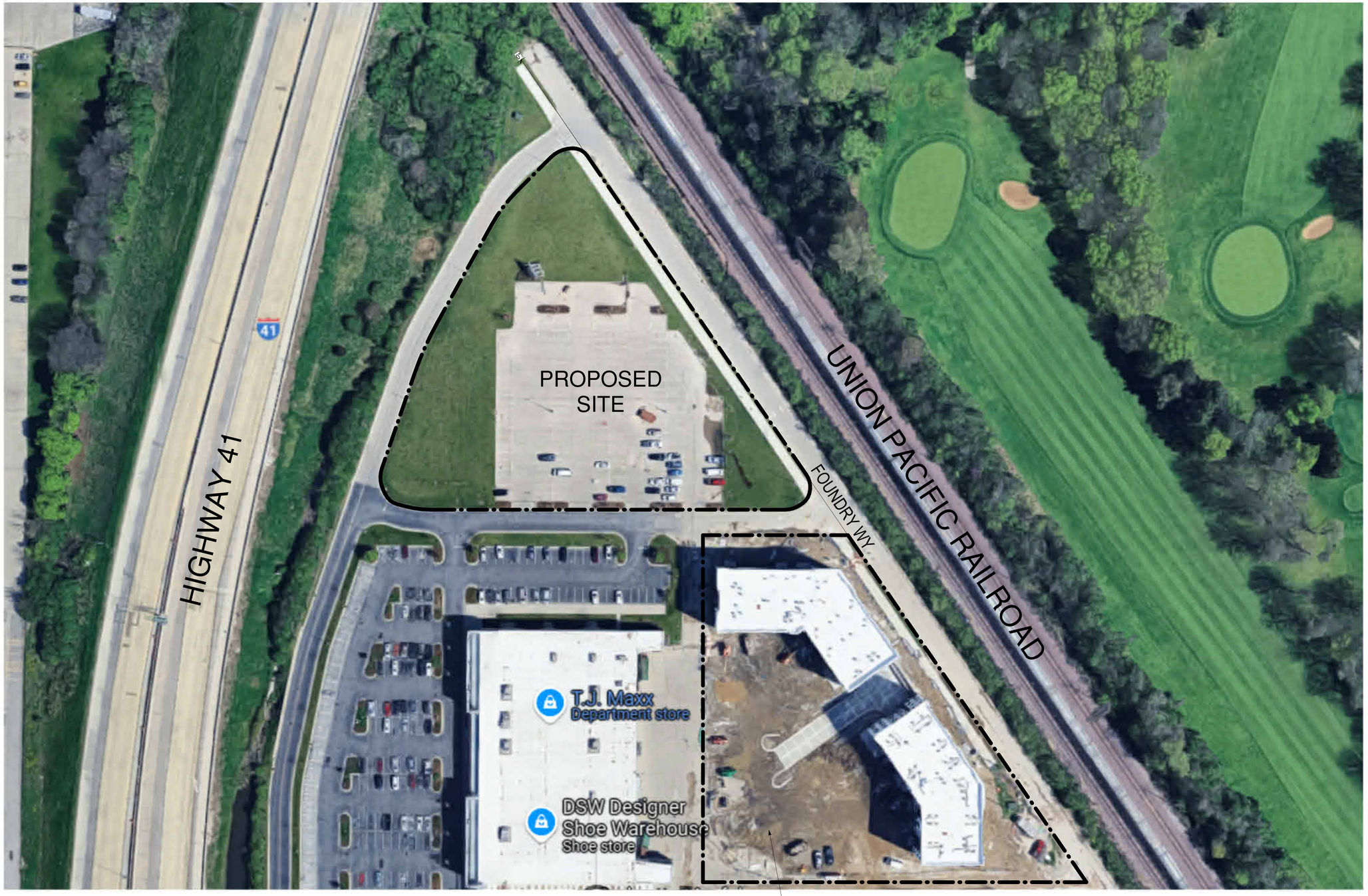
STATE MAP



SITE MAP

PROJECT LOCATION

DESIGN REVIEW BOARD SUBMITTAL 09/09/2025 PROJECT # 24106 **G1-0**



1 **SITE AERIAL VIEW**
1 1/2" = 1'-0"

(The Regent & The Oxford)
EXISTING APARTMENT BUILDING

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MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

SITE
09/09/2025
24106

VIEW LOOKING FROM NORTH TOWARDS THE SITE

VIEW LOOKING FROM EAST TOWARDS THE SITE

VIEW LOOKING FROM SOUTH TOWARDS THE SITE

VIEW LOOKING FROM WEST TOWARDS THE SITE

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MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

SITE PHOTOS
09/09/2025
24106

PHOTOS OF *The Regent & The Oxford,* (EXISTING APARTMENT BUILDINGS AT 3325 AND 3375 FOUNDRY WAY)

VIEW LOOKING FROM WEST TOWARDS BUILDING

VIEW OF BUILDING A

VIEW LOOKING NORTH FROM SOUTH

VIEW LOOKING FROM SITE TO EXISTING BUILDING

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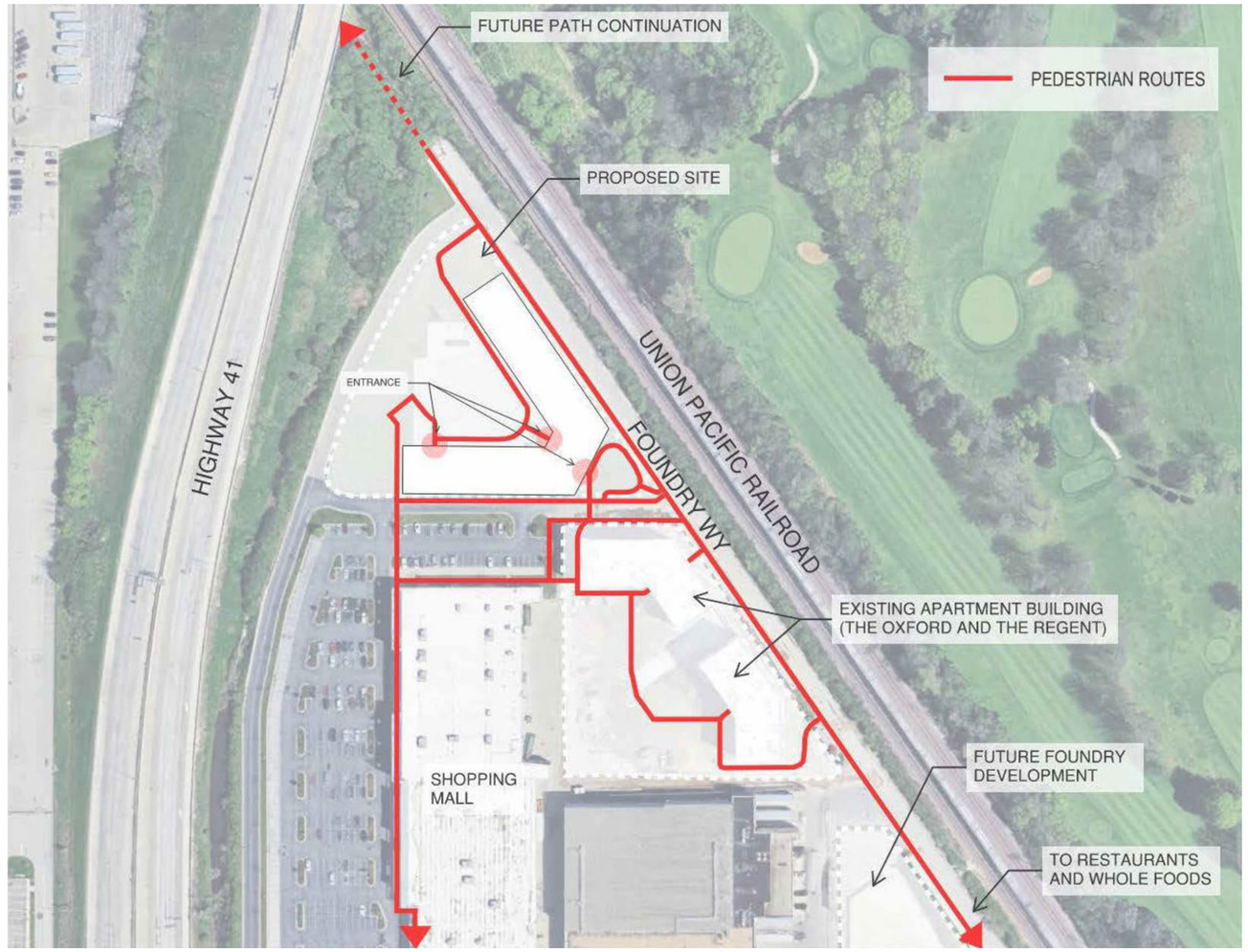
FOUNDRY WAY, WAUWATOSA, WI

EXISTING PROJECT PHOTOS
09/09/2025
24106



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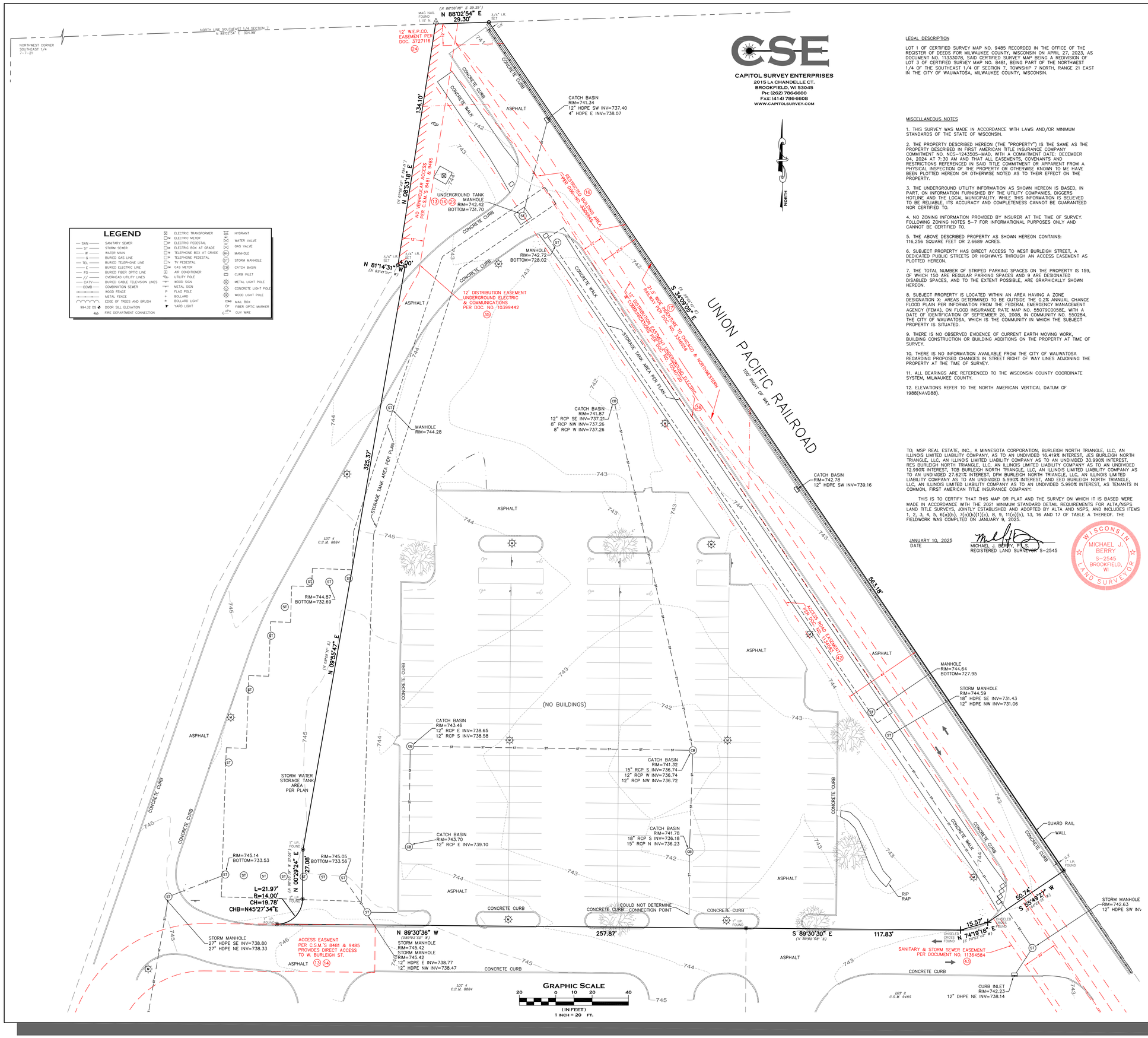
MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

PEDESTRIAL CONNECTIVITY PLAN
09/09/2025
24106



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WWW.CAPITOLSURVEY.COM

LEGEND

SAN — SANITARY SEWER	ELECTRIC TRANSFORMER	HYDRANT
ST — STORM SEWER	ELECTRIC METER	WATER VALVE
W — WATER MAIN	ELECTRIC PEDESTAL	GAS VALVE
G — BURIED GAS LINE	ELECTRIC BOX AT GRADE	MANHOLE
TEL — BURIED TELEPHONE LINE	TELEPHONE BOX AT GRADE	STORM MANHOLE
E — BURIED ELECTRIC LINE	TELEPHONE PEDESTAL	CATCH BASIN
FO — BURIED FIBER OPTIC LINE	TV PEDESTAL	CURB INLET
// — OVERHEAD UTILITY LINES	GAS METER	METAL LIGHT POLE
CATV — BURIED CABLE TELEVISION LINES	AIR CONDITIONER	CONCRETE LIGHT POLE
COMB — COMBINATION SEWER	UTILITY POLE	WOOD LIGHT POLE
WOOD FENCE	WOOD SIGN	MAIL BOX
METAL FENCE	METAL SIGN	FIBER OPTIC MARKER
EDGE OF TREES AND BRUSH	FLAG POLE	GUY WIRE
994.32 OS — DOOR SILL ELEVATION	BOLLARD	
FIRE DEPARTMENT CONNECTION	BOLLARD LIGHT	
	YARD LIGHT	

LEGAL DESCRIPTION

LOT 1 OF CERTIFIED SURVEY MAP NO. 9485 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR MILWAUKEE COUNTY, WISCONSIN ON APRIL 27, 2023, AS DOCUMENT NO. 11333078, SAID CERTIFIED SURVEY MAP BEING A REDIVISION OF LOT 3 OF CERTIFIED SURVEY MAP NO. 8481, BEING PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 7, TOWNSHIP 7 NORTH, RANGE 21 EAST IN THE CITY OF WAUWATOSA, MILWAUKEE COUNTY, WISCONSIN.

MISCELLANEOUS NOTES

1. THIS SURVEY WAS MADE IN ACCORDANCE WITH LAWS AND/OR MINIMUM STANDARDS OF THE STATE OF WISCONSIN.

2. THE PROPERTY DESCRIBED HEREON (THE "PROPERTY") IS THE SAME AS THE PROPERTY DESCRIBED IN FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NO. NCS-1243505-MAD, WITH A COMMITMENT DATE: DECEMBER 04, 2024 AT 7:30 AM AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS REFERENCED IN SAID TITLE COMMITMENT OR APPARENT FROM A PHYSICAL INSPECTION OF THE PROPERTY OR OTHERWISE KNOWN TO ME HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE PROPERTY.

3. THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, ON INFORMATION FURNISHED BY THE UTILITY COMPANIES, DIGGERS HOTLINE AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.

4. NO ZONING INFORMATION PROVIDED BY INSURER AT THE TIME OF SURVEY. FOLLOWING ZONING NOTES 5-7 FOR INFORMATIONAL PURPOSES ONLY AND CANNOT BE CERTIFIED TO.

5. THE ABOVE DESCRIBED PROPERTY AS SHOWN HEREON CONTAINS: 116,256 SQUARE FEET OR 2.6689 ACRES.

6. SUBJECT PROPERTY HAS DIRECT ACCESS TO WEST BURLEIGH STREET, A DEDICATED PUBLIC STREETS OR HIGHWAYS THROUGH AN ACCESS EASEMENT AS PLOTTED HEREON.

7. THE TOTAL NUMBER OF STRIPED PARKING SPACES ON THE PROPERTY IS 159, OF WHICH 150 ARE REGULAR PARKING SPACES AND 9 ARE DESIGNATED DISABLED SPACES, AND TO THE EXTENT POSSIBLE, ARE GRAPHICALLY SHOWN HEREON.

8. SUBJECT PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN PER INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 55079C0258E, WITH A DATE OF IDENTIFICATION OF SEPTEMBER 26, 2008, IN COMMUNITY NO. 550284, THE CITY OF WAUWATOSA, WHICH IS THE COMMUNITY IN WHICH THE SUBJECT PROPERTY IS SITUATED.

9. THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS ON THE PROPERTY AT TIME OF SURVEY.

10. THERE IS NO INFORMATION AVAILABLE FROM THE CITY OF WAUWATOSA REGARDING PROPOSED CHANGES IN STREET RIGHT OF WAY LINES ADJOINING THE PROPERTY AT THE TIME OF SURVEY.

11. ALL BEARINGS ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY.

12. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988(NAVD88).

TO; MSP REAL ESTATE, INC., A MINNESOTA CORPORATION, BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, AS TO AN UNDIVIDED 16.419% INTEREST, JES BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED 30.990% INTEREST, RES BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED 12.990% INTEREST, TCB BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED 27.621% INTEREST, DFM BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED 5.990% INTEREST, AND EEO BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED 5.990% INTEREST, AS TENANTS IN COMMON, FIRST AMERICAN TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a)(b), 7(a)(b)(1)(c), 8, 9, 11(a)(b), 13, 16 AND 17 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLTED ON JANUARY 9, 2025.

JANUARY 10, 2025
DATE

MICHAEL J. BERRY, P.L.S.
REGISTERED LAND SURVEYOR S-2545

WISCONSIN MICHAEL J. BERRY S-2545 BROOKFIELD, WI LAND SURVEYOR

SCHEDULE B, PART II-EXCEPTIONS

(13) ACCESS RESTRICTIONS AND EASEMENTS AS SET FORTH ON CERTIFIED SURVEY MAP NO. 8481.
AFFECTS PROPERTY AS PLOTTED HEREON

(14) EASEMENTS, DEDICATIONS, RESERVATIONS, PROVISIONS, RELINQUISHMENTS, RECITALS, CERTIFICATES, AND ANY OTHER MATTERS AS PROVIDED FOR OR DELINEATED ON CERTIFIED SURVEY MAP NO. 9485 RECORDED APRIL 27, 2023, AS DOCUMENT NO. 11333078 REFERENCED IN THE LEGAL DESCRIPTION CONTAINED HEREIN. REFERENCE IS HEREBY MADE TO SAID PLAT FOR PARTICULARS.
AFFECTS PROPERTY AS PLOTTED HEREON

15 EASEMENT FOR SANITARY SEWER INTO BY AND BETWEEN MOHAWK REFRIGERATING COMPANY, A P CONTROLS CORPORATION AND BRIGGS & STRATTON CORPORATION, DATED APRIL 18, 1951 AND RECORDED APRIL 19, 1951 IN VOLUME 2871 OF DEEDS ON PAGE 603, AS DOCUMENT NO. 3019445, THE TERMS BEING MODIFIED BY THAT INSTRUMENT RECORDED AS DOCUMENT NO. 3409545.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

(16) RESTRICTIONS CONTAINED IN A WARRANTY DEED RECORDED ON JULY 12, 1954 AS DOCUMENT NO. 3309845.
AFFECTS PROPERTY AS PLOTTED HEREON

(17) RIGHTS OF THE CHICAGO AND NORTH WESTERN RAILWAY COMPANY, A WISCONSIN CORPORATION, UNDER AN INDENTURE RECORDED ON NOVEMBER 19, 1954, AS DOCUMENT NO. 3346559.
AFFECTS PROPERTY AS PLOTTED HEREON

18 UTILITY EASEMENT GRANTED TO WISCONSIN ELECTRIC POWER COMPANY DOCUMENT NO. 3356612.
MAY AFFECT PROPERTY BY LOCATION – UNABLE TO PLOT, SUBSTATION GONE

19 COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS AND CHARGES SET FORTH IN WARRANTY DEED PROVIDED FOR IN AN INSTRUMENT RECORDED AS DOCUMENT NO. 3409545.

RELEASE OF RESTRICTIONS CONTAINED IN AN INSTRUMENT RECORDED AS DOCUMENT NO. 3625602.

RELEASE OF RESTRICTIONS CONTAINED IN AN INSTRUMENT RECORDED AS DOCUMENT NO. 3681997.
AFFECTS PROPERTY BY LOCATION – NOTHING TO PLOT

20 WISCONSIN ELECTRIC POWER COMPANY RECORDED MARCH 27, 1958 ON DEED 3798, PAGE 419 AS DOCUMENT NO. 3645992.
DOES NOT AFFECT PROPERTY – NOTHING TO PLOT

21 UTILITY EASEMENT GRANTED TO WISCONSIN ELECTRIC POWER COMPANY RECORDED AS DOCUMENT NO. 3645993.
DOES NOT AFFECT PROPERTY – NOTHING TO PLOT

22 EASEMENT GRANTED TO WISCONSIN ELECTRIC POWER COMPANY AND WISCONSIN TELEPHONE COMPANY RECORDED AS DOCUMENT NO. 3657838.
DOES NOT AFFECT PROPERTY – NOTHING TO PLOT

23 UTILITY EASEMENT TO WISCONSIN ELECTRIC POWER COMPANY AND WISCONSIN TELEPHONE COMPANY RECORDED AS DOCUMENT NO. 3683185.
MAY AFFECT PROPERTY BY LOCATION – UNABLE TO PLOT, SUBSTATION GONE

(24) UTILITY EASEMENT GRANTED TO WISCONSIN ELECTRIC POWER COMPANY RECORDED ON APRIL 13, 1959 AS DOCUMENT NO. 3727116.
AFFECTS PROPERTY AS PLOTTED HEREON

25 EASEMENT GRANTED TO WISCONSIN ELECTRIC POWER COMPANY AND WISCONSIN TELEPHONE COMPANY RECORDED AS DOCUMENT NO. 3847693.
MAY AFFECT PROPERTY BY LOCATION – UNABLE TO PLOT, SUBSTATION GONE

26 EASEMENTS GRANTED TO KOHL'S WAREHOUSE CORPORATION, A CORPORATION DULY ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF WISCONSIN RECORDED IN INSTRUMENT RECORDED DECEMBER 21, 1961 IN VOLUME 4203 OF DEEDS, PAGE 72 AS DOCUMENT NO. 3923550.
UNABLE TO DETERMINE LOCATION – BUILDING GONE

27 WATERMAIN EASEMENTS GRANTED TO CITY OF WAUWATOSA RECORDED AS DOCUMENT NO. 3941267, DOCUMENT NO. 4076990 AND DOCUMENT NO. 4271303.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

28 EASEMENT DEED BY AND BETWEEN ROUNDY'S, INC. AND CHICAGO AND NORTHWESTERN RAILWAY COMPANY RECORDED ON NOVEMBER 5, 1962 AS DOCUMENT NO. 3985559.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

(29) LIMITATIONS ON ACCESS AS SET FORTH IN AWARD OF DAMAGES RECORDED ON APRIL 7, 1966, AS DOCUMENT NO. 4247574.
AFFECTS PROPERTY AS PLOTTED HEREON

30 EASEMENT GRANTED TO WISCONSIN TELEPHONE COMPANY RECORDED ON JUNE 29, 1966 AS DOCUMENT NO. 4263615.
DOES NOT AFFECT PROPERTY – NOTHING TO PLOT

31 WISCONSIN GAS CORPORATION EASEMENT GRANTED TO WISCONSIN GAS COMPANY, A WISCONSIN CORPORATION RECORDED ON NOVEMBER 29, 1993 AS DOCUMENT NO. 6863226.
DOES NOT AFFECT PROPERTY – NOTHING TO PLOT

32 UTILITY EASEMENT GRANTED TO WISCONSIN ELECTRIC POWER COMPANY RECORDED AS DOCUMENT NO. 4535959.
DOES NOT AFFECT PROPERTY – NOTHING TO PLOT

33 WISCONSIN GAS COMPANY CORPORATION EASEMENT RECORDED ON DECEMBER 10, 1993 AS DOCUMENT NO. 6869634
DOES NOT AFFECT PROPERTY – NOTHING TO PLOT

34 EASEMENT AGREEMENT RECORDED ON JANUARY 4, 2007, AS DOCUMENT NO. 9363400.

MODIFICATION AND/OR AMENDMENT BY INSTRUMENT: AMENDED AND RESTATED EASEMENT AGREEMENT RECORDING INFORMATION: APRIL 12, 2013 AS DOCUMENT NO. 10237291

MODIFICATION AND/OR AMENDMENT BY INSTRUMENT: THIRD AMENDED AND RESTATED EASEMENT AGREEMENT RECORDING INFORMATION: FEBRUARY 13, 2023 AS DOCUMENT NO. 11317498
AFFECTS PROPERTY BY DESCRIPTION – UNABLE TO PLOT

(35) THIRD AMENDED AND RESTATED EASEMENT AGREEMENT EASEMENT FOR UNDERGROUND ELECTRIC AND COMMUNICATIONS GRANTED TO WISCONSIN ELECTRIC POWER COMPANY, A WISCONSIN CORPORATION DOING BUSINESS AS WE ENERGIES, TIME WARNER ENTERTAINMENT COMPANY, LP AND WISCONSIN BELL, INC., DOING BUSINESS AS AT&T WISCONSIN, A WISCONSIN CORPORATION RECORDED ON SEPTEMBER 30, 2014 AS DOCUMENT NO. 10399442.
AFFECTS PROPERTY AS PLOTTED HEREON

(36) DISTRIBUTION EASEMENT UNDERGROUND ELECTRIC AND COMMUNICATIONS GRANTED TO WISCONSIN ELECTRIC POWER COMPANY, A WISCONSIN CORPORATION DOING BUSINESS AS WE ENERGIES , TIME WARNER ENTERTAINMENT COMPANY, LP AND WISCONSIN BELL, INC. DOING BUSINESS AS AT&T WISCONSIN, A WISCONSIN CORPORATION, RECORDED ON SEPTEMBER 30, 2014 AS DOCUMENT NO. 10399443.

AFFIDAVIT OF CORRECTION, RECORDED FEBRUARY 17, 2016 AS DOCUMENT NO. 10540720.
AFFECTS PROPERTY AS PLOTTED HEREON

37 DISTRIBUTION EASEMENT GAS AND COMMUNICATIONS GRANTED TO WISCONSIN GAS LLC, A WISCONSIN LIMITED LIABILITY COMPANY DOING BUSINESS AS WE ENERGIES , TIME WARNER ENTERTAINMENT COMPANY, LP AND WISCONSIN BELL, INC. DOING BUSINESS AS AT&T WISCONSIN, A WISCONSIN CORPORATION, RECORDED ON SEPTEMBER 30, 2014 AS DOCUMENT NO. 10399444.

AFFIDAVIT OF CORRECTION, RECORDED FEBRUARY 17, 2016 AS DOCUMENT NO. 10540721.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

38 DISTRIBUTION EASEMENT UNDERGROUND ELECTRIC AND COMMUNICATIONS GRANTED TO WISCONSIN ELECTRIC POWER COMPANY, A WISCONSIN CORPORATION DOING BUSINESS AS WE ENERGIES AND WISCONSIN BELL, INC. DOING BUSINESS AS AT&T WISCONSIN, A WISCONSIN CORPORATION, RECORDED ON MARCH 07, 2016 AS DOCUMENT NO. 10545013.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

39 WATER MAIN EASEMENT GRANTED TO CITY OF WAUWATOSA RECORDED ON NOVEMBER 21, 2016 AS DOCUMENT NO. 10625233.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

40 RECIPROCAL EASEMENT AND OPERATION AGREEMENT RECORDED ON JANUARY 17, 2017, AS DOCUMENT NO. 10641155. MODIFICATION AND/OR AMENDMENT BY INSTRUMENT: FIRST AMENDMENT TO RECIPROCAL EASEMENT AND OPERATION AGREEMENT
RECORDING INFORMATION: SEPTEMBER 06, 2023 AS DOCUMENT NO. 11364688
AFFECTS PROPERTY BY DESCRIPTION – GENERAL IN NATURE, NOTHING TO PLOT

41 UTILITY EASEMENT TO WISCONSIN ELECTRIC POWER COMPANY, A WISCONSIN CORPORATION AND WISCONSIN GAS LLC, A WISCONSIN LIMITED LIABILITY COMPANY, BOTH DOING BUSINESS AS WE ENERGIES, DATED JULY 7, 2015, RECORDED/FILED APRIL 24, 2018 AS DOCUMENT NO. 10770298.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

(42) ACCESS ROAD EASEMENT RECORDED ON SEPTEMBER 06, 2023 AS DOCUMENT NO. 11364583
AFFECTS PROPERTY AS PLOTTED HEREON

(43) SANITARY AND STORM SEWER EASEMENT AGREEMENT:
DATED: AUGUST 29, 2023
PARTIES: BURLEIGH 45, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, TCB BURLEIGH RETAIL, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, BURLEIGH MAYFAIR, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, TCB BURLEIGH MAYFAIR, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, JES BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, RES BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY, TCB BURLEIGH NORTH TRIANGLE, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY, DFM BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY, EEO BURLEIGH NORTH TRIANGLE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AND TCB BURLEIGH III, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY
RECORDED: SEPTEMBER 06, 2023
INSTRUMENT NO.: 11364584
FFECTS PROPERTY AS PLOTTED HEREON

44 EASEMENT FOR WATER MAIN GRANTED TO THE CITY OF WAUWATOSA, A MUNICIPAL CORPORATION BY INSTRUMENT RECORDED IN APRIL 30, 2024 AS DOCUMENT NO. 11416247.
DOES NOT AFFECT PROPERTY – NOTHING PLOTTED

ALTA/NSPS LAND TITLE SURVEY

FOR

MSP - MAYFAIR NORTH

W. BURLEIGH ST.
WAUWATOSA, WI

DRAWN BY:	DHS	DATE:	JAN. 10, 2025
CHECKED BY:	MJB	DRAWING No.	AL - 0
CSE JOB No.:	24-147	SHEET	1 OF 1

NOTES:

1. EXISTING CONDITIONS BASED ON SURVEY BY CAPITOL SURVEY ENTERPRISE

2. THE DEVELOPMENT WILL RESULT IN A INCREASE IN IMPERVIOUS SURFACE AREA ON THE SITE BY 0.49 ACRES.

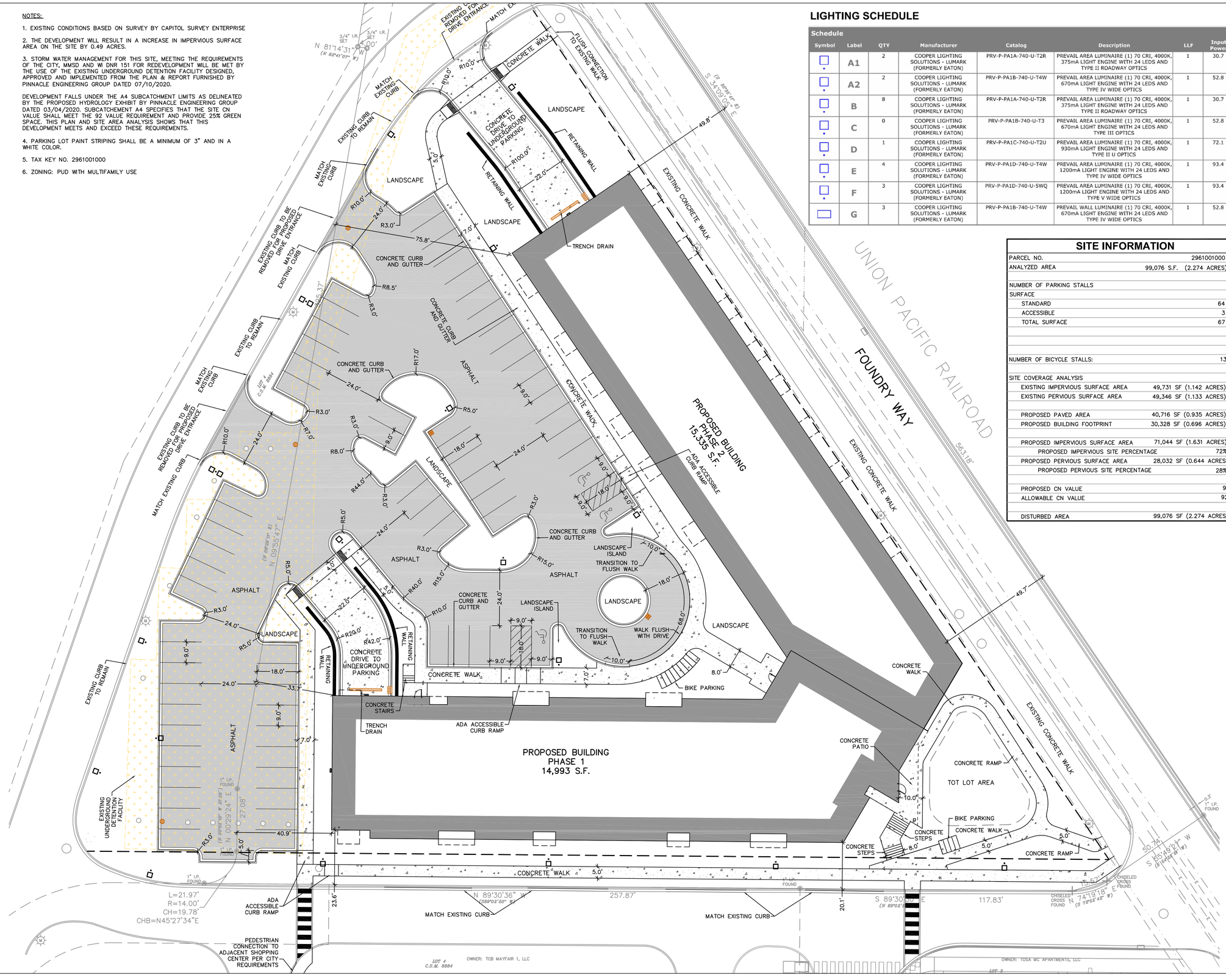
3. STORM WATER MANAGEMENT FOR THIS SITE, MEETING THE REQUIREMENTS OF THE CITY, MMSD AND WI DNR 151 FOR REDEVELOPMENT WILL BE MET BY THE USE OF THE EXISTING UNDERGROUND DETENTION FACILITY DESIGNED, APPROVED AND IMPLEMENTED FROM THE PLAN & REPORT FURNISHED BY PINNACLE ENGINEERING GROUP DATED 07/10/2020.

DEVELOPMENT FALLS UNDER THE A4 SUBCATCHMENT LIMITS AS DELINEATED BY THE PROPOSED HYDROLOGY EXHIBIT BY PINNACLE ENGINEERING GROUP DATED 03/04/2020. SUBCATCHEMENT A4 SPECIFIES THAT THE SITE CN VALUE SHALL MEET THE 92 VALUE REQUIREMENT AND PROVIDE 25% GREEN SPACE. THIS PLAN AND SITE AREA ANALYSIS SHOWS THAT THIS DEVELOPMENT MEETS AND EXCEED THESE REQUIREMENTS.

4. PARKING LOT PAINT STRIPING SHALL BE A MINIMUM OF 3" AND IN A WHITE COLOR.

5. TAX KEY NO. 2961001000

6. ZONING: PUD WITH MULTIFAMILY USE



LIGHTING SCHEDULE

Schedule							
Symbol	Label	QTY	Manufacturer	Catalog	Description	LLF	Input Power
	A1	2	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1A-740-U-T2R	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS	1	30.7
	A2	2	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1B-740-U-T4W	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS	1	52.8
	B	8	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1A-740-U-T2R	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS	1	30.7
	C	0	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1B-740-U-T3	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS	1	52.8
	D	1	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1C-740-U-T2U	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS	1	72.1
	E	4	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1D-740-U-T4W	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS	1	93.4
	F	3	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1D-740-U-5WQ	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS	1	93.4
	G	3	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1B-740-U-T4W	PREVAIL WALL LUMINAIRE (1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS	1	52.8

SITE INFORMATION

PARCEL NO.	2961001000
ANALYZED AREA	99,076 S.F. (2.274 ACRES)
NUMBER OF PARKING STALLS	
SURFACE	
STANDARD	64
ACCESSIBLE	3
TOTAL SURFACE	67
NUMBER OF BICYCLE STALLS:	13
SITE COVERAGE ANALYSIS	
EXISTING IMPERVIOUS SURFACE AREA	49,731 SF (1.142 ACRES)
EXISTING PERVIOUS SURFACE AREA	49,346 SF (1.133 ACRES)
PROPOSED PAVED AREA	40,716 SF (0.935 ACRES)
PROPOSED BUILDING FOOTPRINT	30,328 SF (0.696 ACRES)
PROPOSED IMPERVIOUS SURFACE AREA	71,044 SF (1.631 ACRES)
PROPOSED IMPERVIOUS SITE PERCENTAGE	72%
PROPOSED PERVIOUS SURFACE AREA	28,032 SF (0.644 ACRES)
PROPOSED PERVIOUS SITE PERCENTAGE	28%
PROPOSED CN VALUE	91
ALLOWABLE CN VALUE	92
DISTURBED AREA	99,076 SF (2.274 ACRES)

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MSP MAYFAIR NORTH

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north
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DATE OF ISSUE: 09/09/2025

REVISIONS:

PRELIMINARY

NOT FOR CONSTRUCTION

PROJECT # 24106

SITE PLAN

C200

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NOTES:

1. EXISTING CONDITIONS BASED ON SURVEY BY CAPITOL SURVEY ENTERPRISE

2. THE ULTIMATE DEVELOPMENT WILL RESULT IN A INCREASE IN IMPERVIOUS SURFACE AREA ON THE SITE BY 0.50 ACRES.

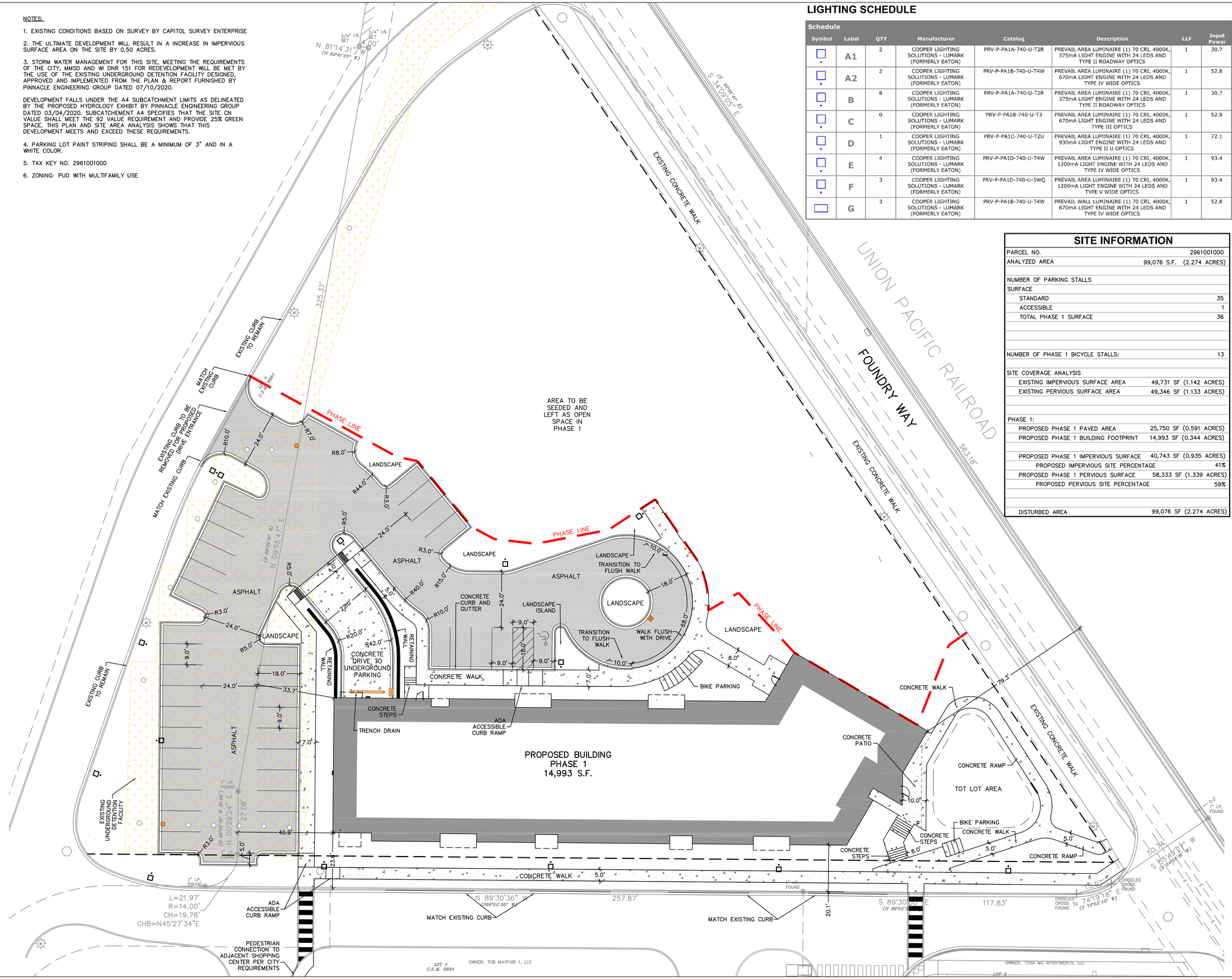
3. STORM WATER MANAGEMENT FOR THIS SITE, MEETING THE REQUIREMENTS OF THE CITY, MMSD AND WI DNR 151 FOR REDEVELOPMENT WILL BE MET BY THE USE OF THE EXISTING UNDERGROUND DETENTION FACILITY DESIGNED, APPROVED AND IMPLEMENTED FROM THE PLAN & REPORT FURNISHED BY PINNACLE ENGINEERING GROUP DATED 07/10/2020.

DEVELOPMENT FALLS UNDER THE A4 SUBCATCHMENT LIMITS AS DELINEATED BY THE PROPOSED HYDROLOGY EXHIBIT BY PINNACLE ENGINEERING GROUP DATED 03/04/2020. SUBCATCHEMENT A4 SPECIFIES THAT THE SITE CN VALUE SHALL MEET THE 92 VALUE REQUIREMENT AND PROVIDE 25% GREEN SPACE. THIS PLAN AND SITE AREA ANALYSIS SHOWS THAT THIS DEVELOPMENT MEETS AND EXCEED THESE REQUIREMENTS.

4. PARKING LOT PAINT STRIPING SHALL BE A MINIMUM OF 3" AND IN A WHITE COLOR.

5. TAX KEY NO. 2961001000

6. ZONING: PUD WITH MULTIFAMILY USE



LIGHTING SCHEDULE

Schedule

Symbol	Label	QTY	Manufacturer	Catalog	Description	LLF	Input Power
	A1	2	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1A-740-U-T2R	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS	1	30.7
	A2	2	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1B-740-U-T4W	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS	1	52.8
	B	8	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1A-740-U-T2R	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS	1	30.7
	C	0	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1B-740-U-T3	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS	1	52.8
	D	1	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1C-740-U-T2U	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS	1	72.1
	E	4	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1D-740-U-T4W	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS	1	93.4
	F	3	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1D-740-U-5WQ	PREVAIL AREA LUMINAIRE (1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS	1	93.4
	G	3	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-P-PA1B-740-U-T4W	PREVAIL WALL LUMINAIRE (1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS	1	52.8

SITE INFORMATION

PARCEL NO.	2961001000
ANALYZED AREA	99,076 S.F. (2.274 ACRES)
NUMBER OF PARKING STALLS	
SURFACE	
STANDARD	35
ACCESSIBLE	1
TOTAL PHASE 1 SURFACE	36
NUMBER OF PHASE 1 BICYCLE STALLS:	13
SITE COVERAGE ANALYSIS	
EXISTING IMPERVIOUS SURFACE AREA	49,731 SF (1.142 ACRES)
EXISTING PERVIOUS SURFACE AREA	49,346 SF (1.133 ACRES)
PHASE 1:	
PROPOSED PHASE 1 PAVED AREA	25,750 SF (0.591 ACRES)
PROPOSED PHASE 1 BUILDING FOOTPRINT	14,993 SF (0.344 ACRES)
PROPOSED PHASE 1 IMPERVIOUS SURFACE	40,743 SF (0.935 ACRES)
PROPOSED IMPERVIOUS SITE PERCENTAGE	41%
PROPOSED PHASE 1 PERVIOUS SURFACE	58,333 SF (1.339 ACRES)
PROPOSED PERVIOUS SITE PERCENTAGE	59%
DISTURBED AREA	99,076 SF (2.274 ACRES)

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p608.829.4444 f608.829.4445 dimensionivmadison.com

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PHASE 1

DATE OF ISSUE: 09/09/2025

REVISIONS:

PRELIMINARY

NOT FOR CONSTRUCTION

PROJECT # 24106

PHASE 1 SITE PLAN

C201

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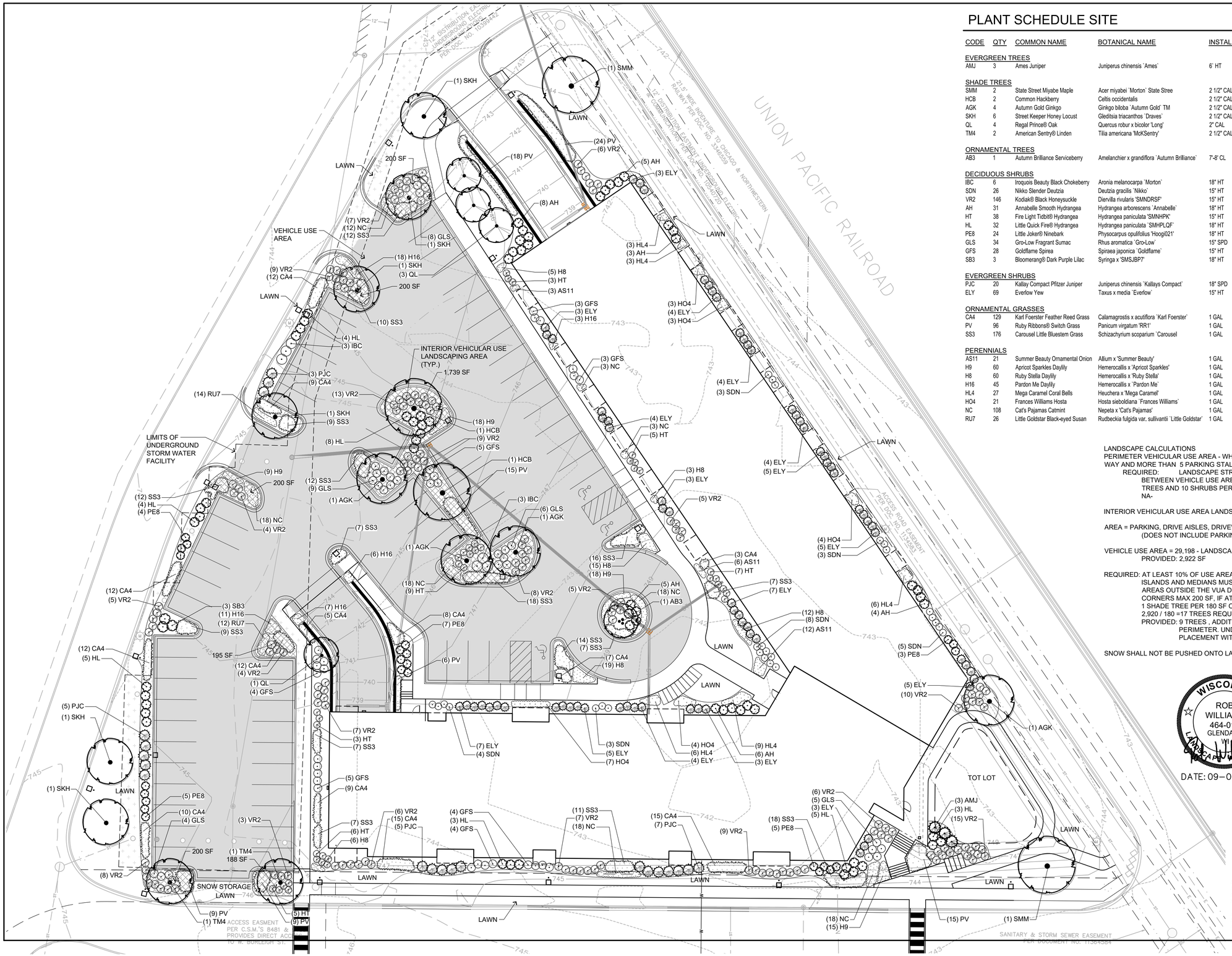

PLANT SCHEDULE SITE

CODE	QTY	COMMON NAME	BOTANICAL NAME	INSTALLED SIZE	ROOT	SPACING	MATURE SIZE
EVERGREEN TREES							
AMJ	3	Ames Juniper	Juniperus chinensis `Ames`	6` HT	B&B	Spacing as shown	8` x 6`
SHADE TREES							
SMM	2	State Street Miyabe Maple	Acer miyabei `Morton` State Stree	2 1/2" CAL	B&B	Spacing as shown	35` x 35`
HCB	2	Common Hackberry	Celtis occidentalis	2 1/2" CAL	B&B	Spacing as shown	50` x 50`
AGK	4	Autumn Gold Ginkgo	Ginkgo biloba `Autumn Gold` TM	2 1/2" CAL	B&B	Spacing as shown	45` x 30`
SKH	6	Street Keeper Honey Locust	Gleditsia triacanthos `Draves`	2 1/2" CAL	B&B	Spacing as shown	45` x 20`
QL	4	Regal Prince® Oak	Quercus robur x bicolor `Long`	2" CAL	CONT	Spacing as shown	45` x 18`
TM4	2	American Sentry® Linden	Tilia americana 'McKSentry'	2 1/2" CAL	B&B	Spacing as shown	55` x 25`
ORNAMENTAL TREES							
AB3	1	Autumn Brilliance Serviceberry	Amelanchier x grandiflora `Autumn Brilliance`	7'-8' CL	B&B	Spacing as shown	20` x 20`
DECIDUOUS SHRUBS							
IBC	6	Iroquois Beauty Black Chokeberry	Aronia melanocarpa `Morton`	18" HT	CONT	Spacing as shown	2.5` x 4.5`
SDN	26	Nikko Slender Deutzia	Deutzia gracilis `Nikko`	15" HT	CONT	Spacing as shown	2` x 4`
VR2	146	Kodiak® Black Honeysuckle	Diervilla rivularis 'SMNDRSF'	15" HT	CONT	Spacing as shown	3` x 4`
AH	31	Annabelle Smooth Hydrangea	Hydrangea arborescens `Annabelle`	18" HT	CONT	Spacing as shown	4` x 4`
HT	38	Fire Light Tidbit® Hydrangea	Hydrangea paniculata 'SMNHPK'	15" HT	CONT	Spacing as shown	2.5` x 3`
HL	32	Little Quick Fire® Hydrangea	Hydrangea paniculata `SMHPLQF`	18" HT	CONT	Spacing as shown	4` x 4`
PE8	24	Little Joker® Ninebark	Physocarpus opulifolius 'Hoogi021'	18" HT	CONT	Spacing as shown	3.5` x 3.5`
GLS	34	Gro-Low Fragrant Sumac	Rhus aromatica `Gro-Low`	15" SPD	CONT	Spacing as shown	2.5` x 6`
GFS	28	Goldflame Spirea	Spiraea japonica `Goldflame`	15" HT	CONT	Spacing as shown	2.5` x 3.5`
SB3	3	Bloomerang® Dark Purple Lilac	Syringa x 'SMSJBP7'	18" HT	CONT	Spacing as shown	5` x 5`
EVERGREEN SHRUBS							
PJC	20	Kallay Compact Pfitzer Juniper	Juniperus chinensis `Kallays Compact`	18" SPD	CONT	Spacing as shown	2` x 5`
ELY	69	Everlow Yew	Taxus x media `Everlow`	15" HT	B&B	Spacing as shown	1.5` x 5`
ORNAMENTAL GRASSES							
CA4	129	Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora `Karl Foerster`	1 GAL	CONT	24" Spacing	5` x 2`
PV	96	Ruby Ribbons® Switch Grass	Panicum virgatum 'RR1'	1 GAL	CONT	30" Spacing	3` x 2.5`
SS3	176	Carousel Little Bluestem Grass	Schizachyrium scoparium `Carousel`	1 GAL	CONT	24" Spacing	2.5` x 2.5`
PERENNIALS							
AS11	21	Summer Beauty Ornamental Onion	Allium x 'Summer Beauty'	1 GAL	POT	18" Spacing	1.5` x 1.5`
H9	60	Apricot Sparkles Daylily	Hemerocallis x 'Apricot Sparkles'	1 GAL	POT	18" Spacing	1.5` x 1.5`
H8	60	Ruby Stella Daylily	Hemerocallis x 'Ruby Stella'	1 GAL	POT	18" Spacing	1.5` x 1.5`
H16	45	Pardon Me Daylily	Hemerocallis x `Pardon Me`	1 GAL	POT	18" Spacing	1.5` x 1.5`
HL4	27	Mega Caramel Coral Bells	Heuchera x 'Mega Caramel'	1 GAL	POT	24" Spacing	1.5` x 2`
HO4	21	Frances Williams Hosta	Hosta sieboldiana `Frances Williams`	1 GAL	POT	30" Spacing	2` x 4`
NC	108	Cat's Pajamas Catmint	Nepeta x 'Cat's Pajamas'	1 GAL	POT	18" Spacing	1.25` x 1.5`
RU7	26	Little Goldstar Black-eyed Susan	Rudbeckia fulgida var. sullivantii `Little Goldstar`	1 GAL	POT	18" Spacing	1.25` x 1.5`

LANDSCAPE CALCULATIONS
PERIMETER VEHICULAR USE AREA - WHEN PARKING IS WITHIN100LF OF RIGHT OF WAY AND MORE THAN 5 PARKING STALLS
REQUIRED: LANDSCAPE STRIP MIN OF 7' DEPTH MUST BE PROVIDED BETWEEN VEHICLE USE AREA AND ROW MUST INCLUDE 3 DECIDUOUS TREES AND 10 SHRUBS PER 50LF OF VEHICULAR USE FRONTAGE
NA-

INTERIOR VEHICULAR USE AREA LANDSCAPE: 5 OR MORE PARKING STALLS

AREA = PARKING, DRIVE AISLES, DRIVEWAYS AND DRIVE THROUGH LANES (DOES NOT INCLUDE PARKING IN A STRUCTURE)

VEHICLE USE AREA = 29,198 - LANDSCAPE AREA REQUIRED = 2,920 SF
PROVIDED: 2,922 SF

REQUIRED: AT LEAST 10% OF USE AREA MUST BE LANDSCAPED
ISLANDS AND MEDIANS MUST HAVE AT LEAST 135 SF AND BE 10' WIDE
AREAS OUTSIDE THE VUA DON'T COUNT TOWARD INTERIOR.
CORNERS MAX 200 SF, IF AT LEAST 1 SHADE TREE IS INCLUDED
1 SHADE TREE PER 180 SF OF INTERIOR LANDSCAPE AREA
2,920 / 180 =17 TREES REQUIRED
PROVIDED: 9 TREES , ADDITIONAL TREES LOCATED AROUND PERIMETER. UNDER GROUND STROMWATER FACILITY LIMITS PLACEMENT WITHIN ISLANDS.

SNOW SHALL NOT BE PUSHED ONTO LANDSCAPE ISLANDS.

WISCONSIN
ROB WILLIAMS
464-014
GLENDALE, WI
LANDSCAPE ARCHITECT

DATE: 09-09-2025

NORTH

0 10 20 40
GRAPHIC SCALE

811
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Brookfield, WI | Appleton, WI | Madison, WI
Cedarburg, WI | Naperville, IL | Irvine, CA

MSP - MAYFAIR NORTH
CITY OF WAUWATOSA

SITE LANDSCAPE PLAN

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R.A. Smith, Inc.

DATE: 09/09/25
SCALE: 1" = 20'
JOB NO. 3250016
PROJECT MANAGER: ROB WILLIAMS, PLA
DESIGNED BY: REW
CHECKED BY: REW

SHEET NUMBER
L100

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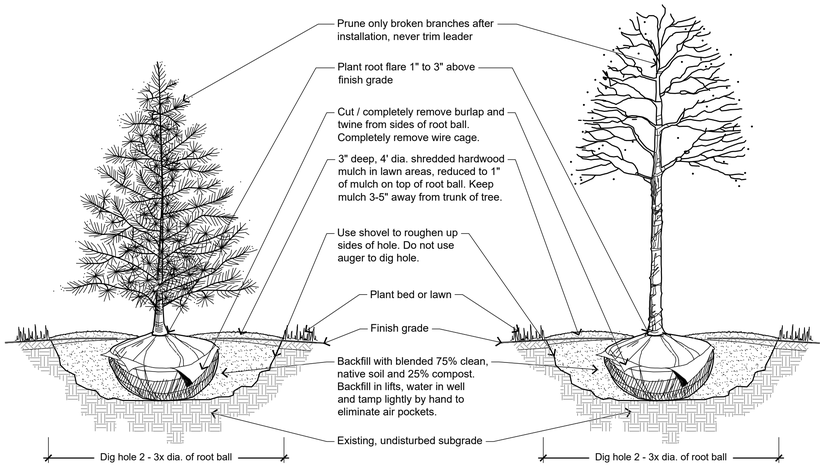
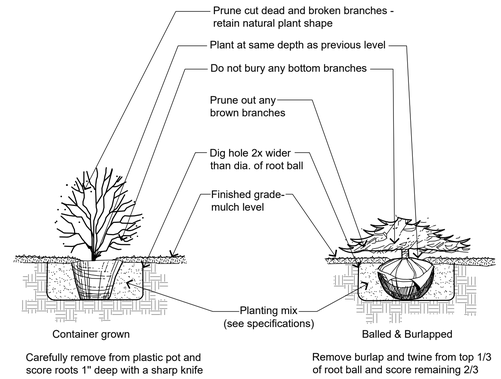
PLANTING DETAILS



1 TREE PLANTING DETAIL

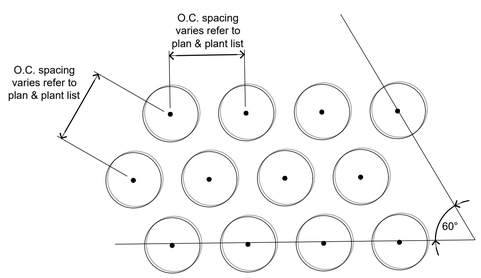
NOT TO SCALE

P-PL-TREE-07



2 SHRUB PLANTING DETAIL

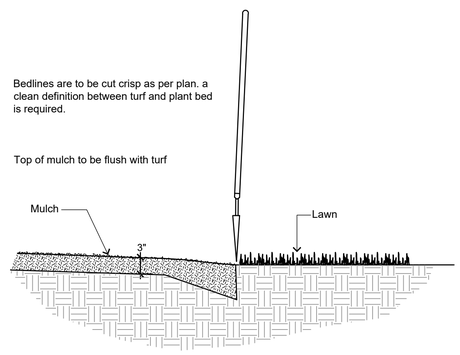
NOT TO SCALE



3 PLANTING LAYOUT

NOT TO SCALE

P-PL-PLO-01



4 SHOVEL CUT PLANT BED EDGING DETAIL

NOT TO SCALE

P-PL-BDEG-01

GENERAL LANDSCAPE NOTES

1. Contractor responsible for contacting public and private underground utility locating service to have site marked prior to any digging or earthwork.
2. Contractor to verify all plant quantities shown on plant list and verify with plan. Report any discrepancies immediately to general contractor.
3. All plantings shall comply with standards as described in American Standard of Nursery Stock - ANSI Z80.1 (latest version). General contractor or owner's representative reserves the right to inspect and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged.
4. Any potential plant substitutions must be submitted in writing to the general contractor and approved by the owner's representative or landscape architect prior to installation. All plants must be installed as per sizes and quantities shown on plant material schedule, unless approved by the owner's representative or landscape architect. Any potential changes to sizes shown on plan and appropriate cost credits / adjustments must be submitted in writing to the general contractor and approved by the owner's representative or landscape architect prior to installation.
5. The subsequent requirements regarding topsoil should be coordinated between the general contractor, grading contractor and landscape contractor.
6. Subgrade areas shall be graded to within 1", more or less, of proposed subgrade. Deviations shall not be consistent in one direction.
7. Topsoil shall be placed to meet proposed finished grade. Planting islands to be backfilled with clean topsoil free of debris (per note below) to a minimum depth of 18" by general / grading contractor to insure long term plant health. All other landscaped areas to receive a minimum depth of 6" of clean topsoil (per note below).
8. Topsoil shall be: screened existing stockpiled topsoil, existing in-place soil, or screened soil from an off-site source that will support plant growth, and meets the following requirements. Clean topsoil shall be free of rocks, coarse fragments, gravel, sticks, trash, roots, debris over 3/4" and any substances harmful to plant growth. It also must be free of plants or plant parts of any noxious weeds. Topsoil shall contain 3 to 5 percent decomposed organic matter and a pH between 5.5 and 7.0.
9. Planting beds and parking lot islands: Landscape contractor is responsible for ensuring that unwanted material (gravel, debris, roots and other extraneous material harmful to plant growth) has been removed from the topsoil and for the fine grading of all landscaped areas. The fine grading of planting beds and parking lot islands may require additional topsoil to bring to finish grade, allowing for mulch depth. Crown all planting islands and planting beds not adjacent to buildings, a minimum of 6" to provide proper drainage, unless otherwise specified. All other finished landscaped areas to be smooth, uniform and provide positive drainage away from structures and pavement.
10. Seeded areas: to receive a settled minimum depth of 6" of blended, prepared and non-compacted topsoil. Landscape contractor is responsible for excavation and removal of unwanted material (gravel, debris, roots and other extraneous material harmful to plant growth) to the specified depth, supplementing with additional topsoil (if necessary) and the fine grading of all seeded areas.
11. Tree planting (see planting detail): plant all trees slightly higher than finished grade at root flare. Remove excess soil from top of root ball, if needed. An auger is not an acceptable method of digging tree planting holes. Scarify side walls of tree pit prior to installation. Once tree has been placed into the hole, is at the correct depth and vertical alignment and will no longer be moved; brace root ball by tamping soil around the lower portion of the root ball. Remove and discard twine / rope, burlap and support wire from the sides of root ball. Backfill pit with 75% existing soil removed from excavation and 25% compost blended prior to backfilling holes, in six-inch lifts. Lightly tamp each lift using foot pressure or hand tools to settle backfill, support the tree and eliminate voids. Do not over compact or use mechanical or pneumatic tamping equipment. Discard any gravel, heavy clay or stones. When hole has been backfilled to three-quarters of its depth, pour water around the root ball and allow to soak into soil to settle the soil. Continue backfilling until soil is brought to grade level.

    Provide a 3" deep, 4 ft. diameter shredded hardwood bark mulch ring around all trees in lawn areas, reduced to 1" deep on top of root ball. Keep mulch 3"- 5" away from trunk of tree. Trees that are installed incorrectly will be replaced at the time and expense of the landscape contractor. Trees too large for two people to lift in and out of holes, shall be placed with sling. Do not rock the trees in holes to raise them.
12. Shrub planting (see planting detail): all shrubs to be pocket planted with a mix of 75% existing soil removed from excavation and 25% compost, blended prior to backfilling holes. When hole is two-thirds full, shrubs shall be watered thoroughly and water left to soak in before proceeding.
13. Mulching: all tree and shrub planting beds to receive a 3" deep layer of high-quality shredded hardwood bark mulch (not enviromulch or wood chips). Mulch shall be uniform in size, color, quality and overall appearance. Mulch shall be free of debris, large wood chunks, soil, rocks, weeds, invasive plant parts or seeds and any other material injurious to plant growth. All perennial and ornamental grass planting areas to receive a 2" layer and groundcover areas a 1-2" layer of the same mulch. Do not mulch annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.
14. Edging: edge all planting beds with a 4" deep spaded edge (shovel cut or mechanical). Bedlines are to be cut crisp, as per plan. A clean definition between lawn area and plant bed is required.
15. Plant bed preparation: the soil in all perennial, ornamental grass, annual and groundcover areas shall be amended with compost prior to plant installation. Spread a 2" layer of compost (per note below) on top of clean topsoil and rototill to a depth of approximately 8".
16. Compost shall be stable, and weed-free organic matter. It shall be resistant to further decomposition and free of compounds, such as ammonia and organic acids, in concentrations toxic to plant growth. The compost shall contain no pathogens or other chemical contaminants and meet the requirements of WisDNR S100 Compost Specification.
17. Lawn installation for all seeded turfgrass areas: remove / kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil and seed bed by removing all surface stones 1" or larger and grading lawn areas to finish grade. Apply a starter fertilizer and specified seed, ensure good seed to soil contact, and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer mix information to general contractor prior to installation. Erosion control measures are to be used in swales and on steep grades, where applicable. Methods of installation may vary at the discretion of the landscape contractor on his/her responsibility to establish and guarantee a smooth, uniform, quality turf. If straw mulch is used as a mulch covering, a tackifier may be necessary to avoid wind damage. Marsh hay containing reed canary grass is not acceptable as a mulch covering.

    An acceptable quality turf is defined as having no more than 5% of the total area with bare spots larger than 1/2 square foot and uniform coverage throughout all turf areas.
18. Seed mix for lawn areas - use only a premium quality seed mix. Premium blend seed mix (or equivalent): 50% blended bluegrass, 25% creeping red fescue, 25% perennial rye applied at 5 lbs per 1,000 SF or at recommended rates from supplier. Provide seed specifications to general contractor prior to installation.
19. Lawn installation for all sodded turfgrass areas(optional): remove / kill off any existing unwanted vegetation prior to sodding. Prepare the topsoil and sod bed by removing all surface stones 1" or larger and grading lawn areas to finish grade, allowing for thickness of sod. Use only premium sod blend according to TPI (revised 1995) and ASPA standards. Install sod uniformly with staggered joints, laid tightly end to end and side to side. Roll sod with a walk behind roller and water immediately upon installation to a 3" depth. Stake any sod installed on steep slopes or in swales, etc. Landscape contractor is responsible to provide a smooth, uniform, healthy turf. Landscape contractor shall repair and re-sod any eroded, sunken or bare spots (larger than ½ square foot) until acceptance by owner.
20. The landscape contractor is responsible for the watering and maintenance of all landscape areas at time of planting and throughout construction until the substantial completion of the installation and acceptance by the owner. This includes all trees, shrubs, evergreens, perennials, ornamental grasses, and seeded slopes and turf grass areas. Maintenance includes mowing, weeding, watering, mulching, edging, pruning, deadheading, raking leaves / debris, sweeping up grass clippings, fertilizing and maintaining turf areas (including applying pre and post emergent herbicides), and any other needs that are required to keep the landscape healthy and well maintained.
21. Substantial Completion of Landscape: after the landscape has been installed, the landscape contractor is responsible to conduct a final review with the owner's representative and the general contractor to ensure that all plans and specifications have been met. After this review, the landscape will be considered to be installed in substantial completion unless otherwise noted by the owner's representative and/or general contractor. Any items missing or incomplete, shall be corrected within 30 days. The landscape contractor shall provide written watering and maintenance instructions for the new plantings and lawn to the owner.
22. Warranty and replacements: All plants (trees, evergreens, shrubs, perennials, ornamental grasses and groundcovers) shall be warranted by the landscape contractor to be in healthy and flourishing condition for a period of one year from the date of substantial completion. This assumes the owner performs required maintenance (i.e. regular watering) after substantial completion of the landscape. Only one replacement per plant will be required during the warranty period, except for losses or replacements due to failure to comply with specified requirements. Replacements shall be plants of the same variety specified on the plan and closely match adjacent specimens in size. The landscape contractor is responsible for keeping a documented record of which plants have been replaced during the warranty period.

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Cedarburg, WI | Naperville, IL | Irvine, CA

MSP - MAYFAIR NORTH
CITY OF WAUWATOSA

LANDSCAPE NOTES AND DETAILS

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DATE: 09/09/25

SCALE: –

JOB NO. 3250016

PROJECT MANAGER: ROB WILLIAMS, PLA

DESIGNED BY: REW

CHECKED BY: REW

SHEET NUMBER

L200

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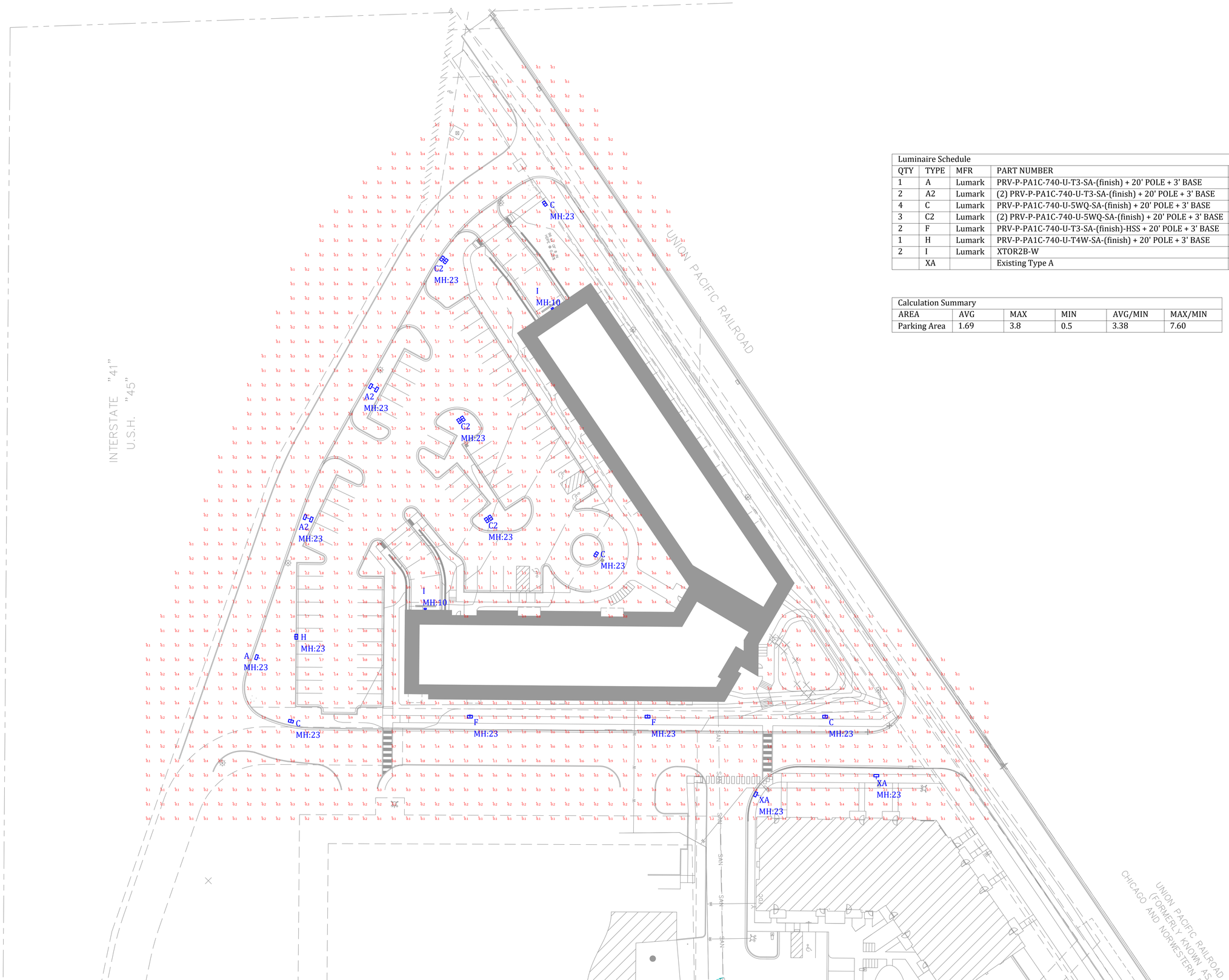


Luminaire Schedule				
QTY	TYPE	MFR	PART NUMBER	LLF
1	A	Lumark	PRV-P-PA1C-740-U-T3-SA-(finish) + 20' POLE + 3' BASE	0.950
2	A2	Lumark	(2) PRV-P-PA1C-740-U-T3-SA-(finish) + 20' POLE + 3' BASE	0.950
4	C	Lumark	PRV-P-PA1C-740-U-5WQ-SA-(finish) + 20' POLE + 3' BASE	0.950
3	C2	Lumark	(2) PRV-P-PA1C-740-U-5WQ-SA-(finish) + 20' POLE + 3' BASE	0.950
2	F	Lumark	PRV-P-PA1C-740-U-T3-SA-(finish)-HSS + 20' POLE + 3' BASE	0.950
1	H	Lumark	PRV-P-PA1C-740-U-T4W-SA-(finish) + 20' POLE + 3' BASE	0.950
2	I	Lumark	XTOR2B-W	0.950
	XA		Existing Type A	

Calculation Summary					
AREA	AVG	MAX	MIN	AVG/MIN	MAX/MIN
Parking Area	1.69	3.8	0.5	3.38	7.60

All County Electric Supply

Mayfair Collection - North

WAUWATOSA, WI

SITE LIGHTING CALCULATIONS

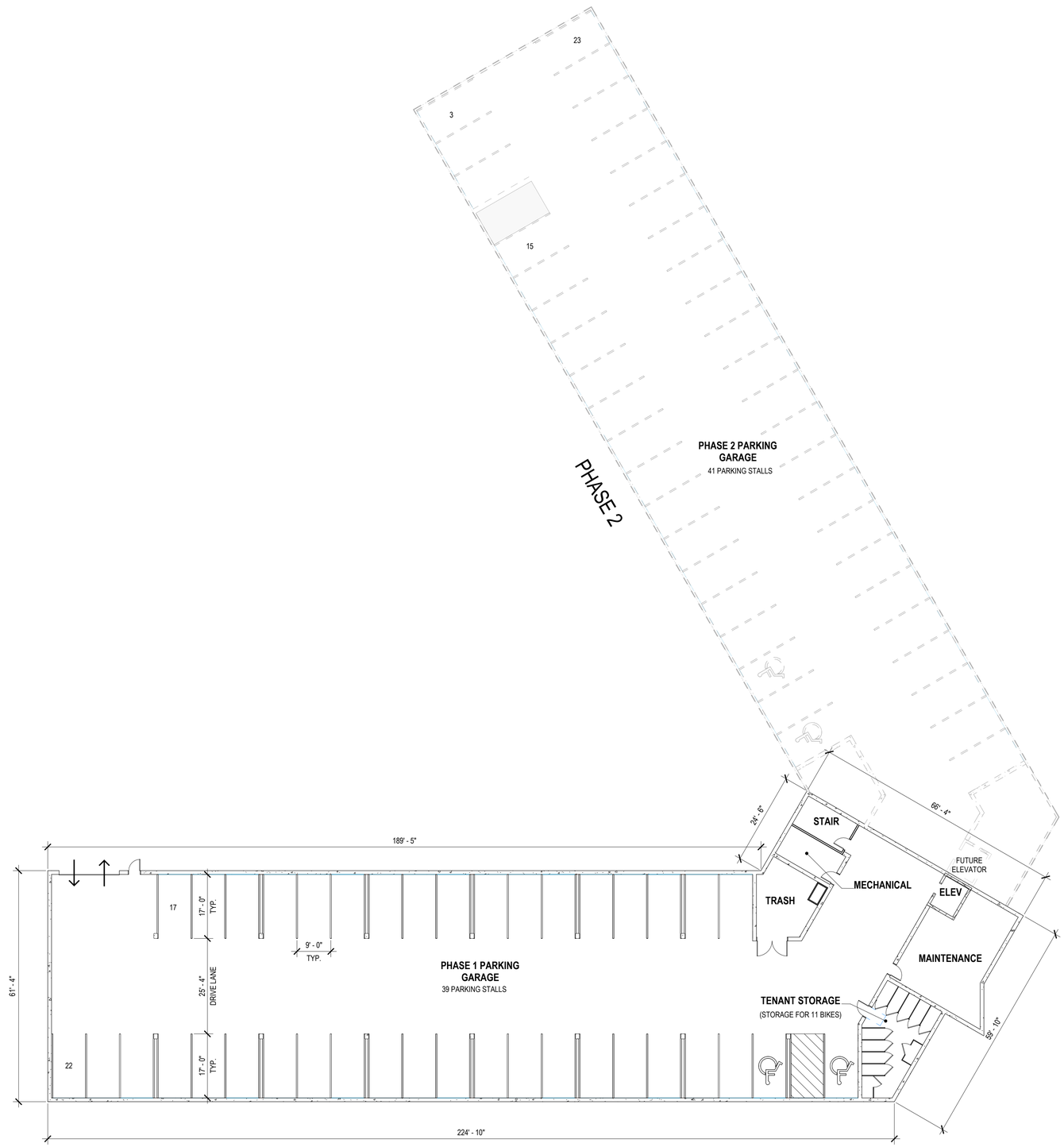
project info

sheet name

scale
1" = 30'-0"

date
9 / 9 / 2025

designer
JS



1 **BASEMENT FLOOR PLAN**
1/16" = 1'-0"

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architecture · interior design · planning
6515 Grand Teton Plaza, Suite 120
Madison, Wisconsin 53719
p608.829.4444 f608.829.4445 dimensionivmadison.com

MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

DATE OF ISSUE: 09/09/2025

REVISIONS:

PROJECT # 24106

BASEMENT FLOOR PLAN

A1-0

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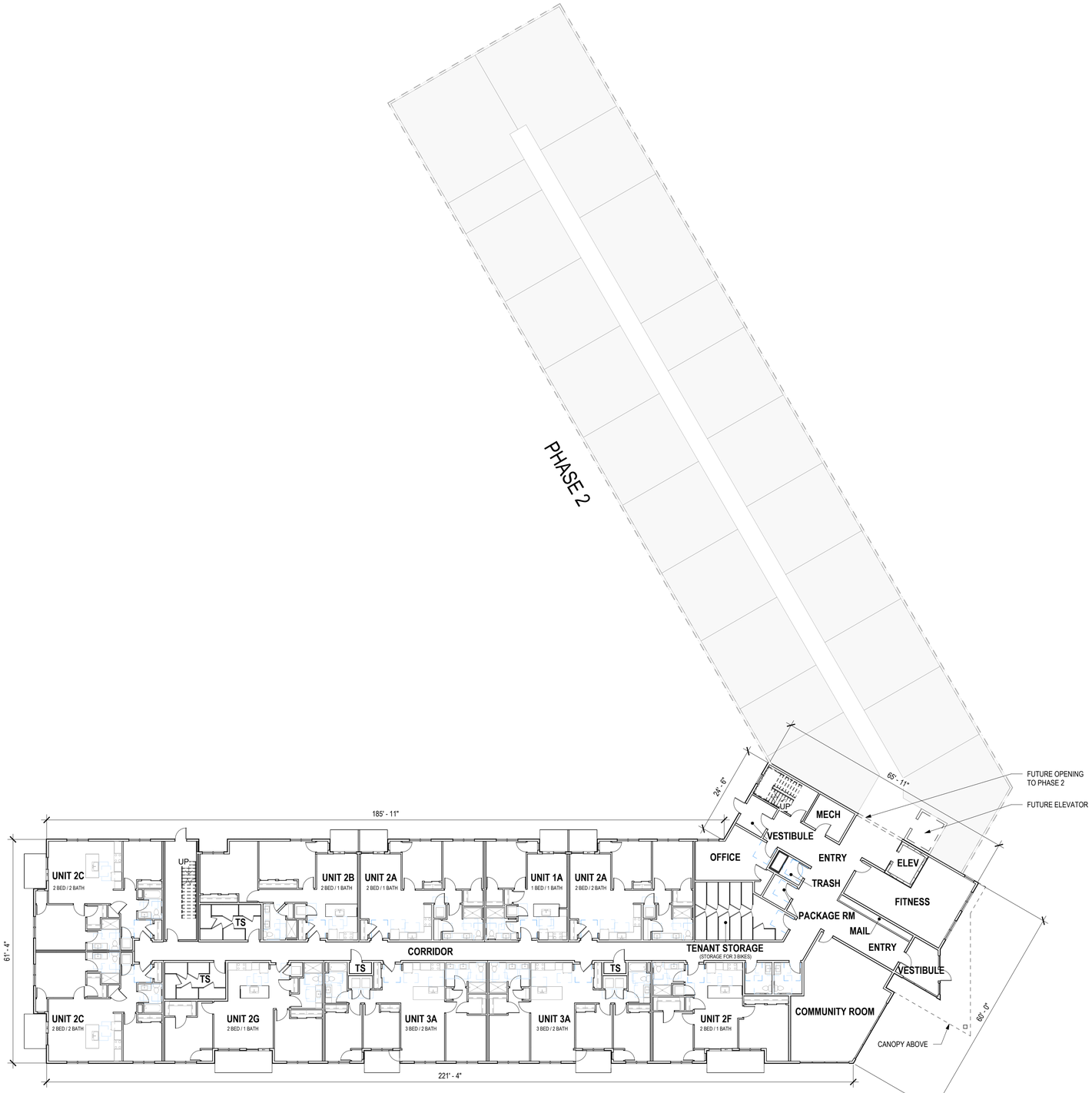
FOUNDRY WAY, WAUWATOSA, WI



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

DATE OF ISSUE:	09/09/2025
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FIRST FLOOR PLAN

A1-1

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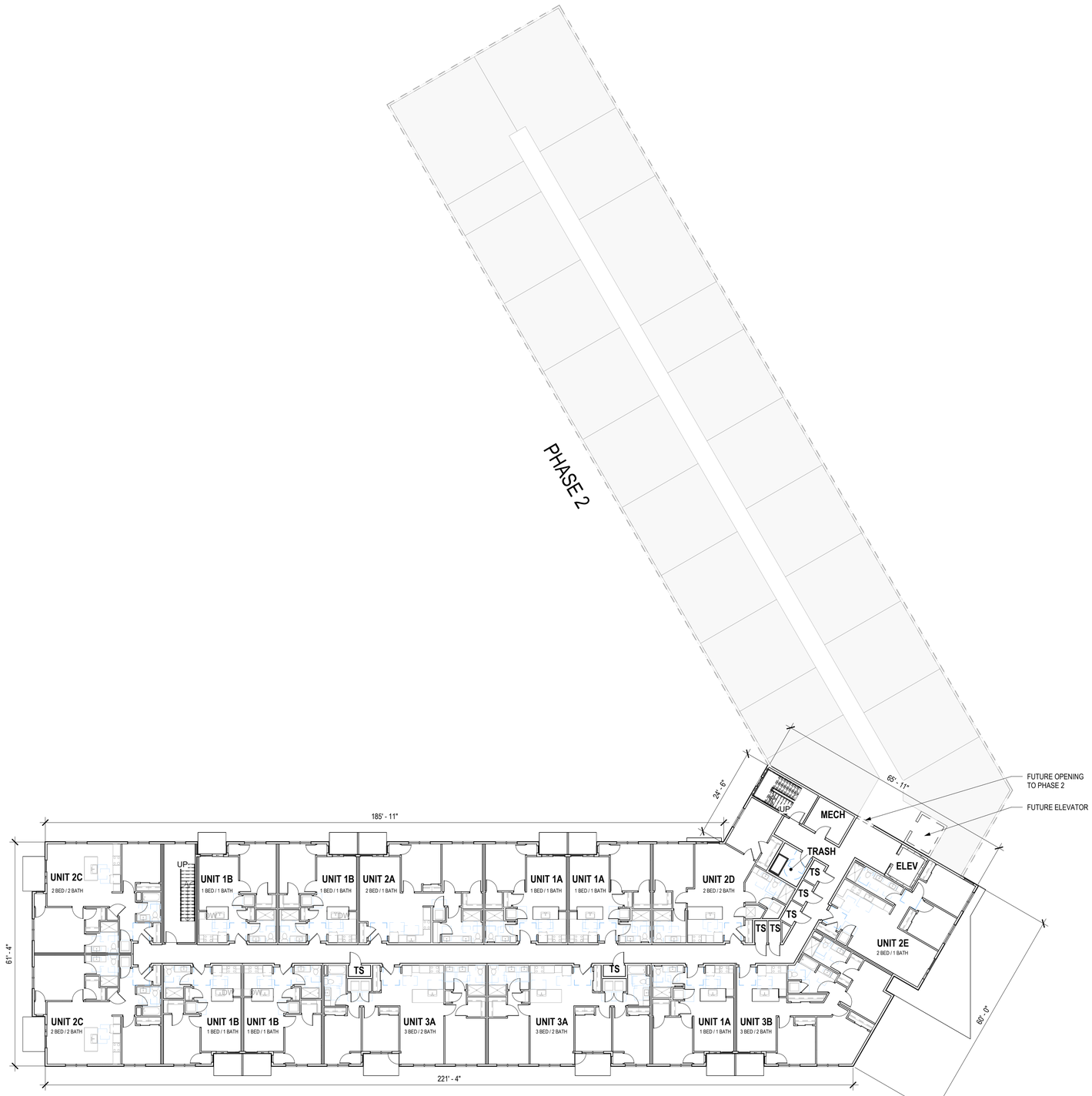

1 **SECOND, THIRD, & FOURTH FLOOR PLANS**
1/16" = 1'-0"

0' 4' 8' 16'

N

MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

DATE OF ISSUE:	09/09/2025

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PROJECT #	24106

SECOND, THIRD, & FOURTH FLOOR PLANS

A1-2

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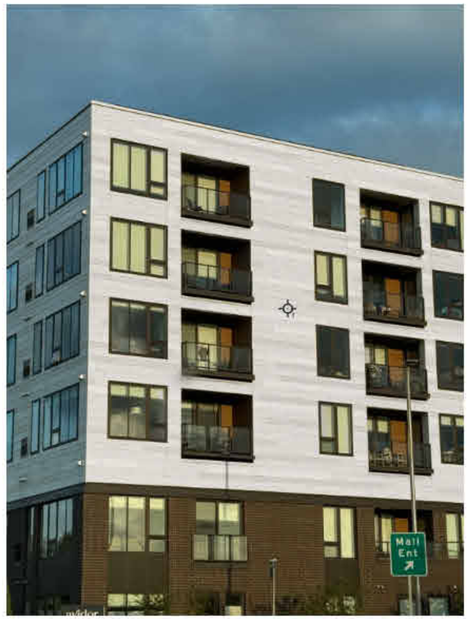
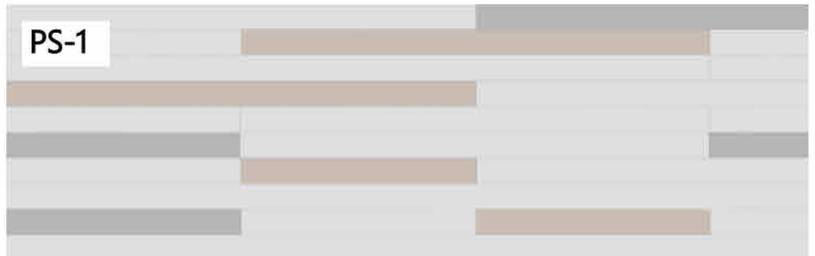
JAMES HARDIE - PANEL SIDING



SIDING INSTALL REFERENCE PHOTO



PANEL SIDING MIX
70% LIGHT MIST
15% ARCTIC WHITE
15% COBBLESTONE

HARDIE PANEL - SMOOTH

JAMES HARDIE - LAP SIDING

WOOD TONE METAL PLANK SIDING

DOOR, WINDOW &
BALCONY TRIM
SHERWIN-WILLIAMS
IRON ORE

DOOR AND
WINDOW TRIM
SHERWIN-WILLIAMS
EXTRA WHITE

MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

DATE OF ISSUE: 09/09/2025

REVISIONS:

PROJECT # 24106

MATERIAL SAMPLES

A2-0

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VIEW FROM SOUTEAST - PHASES 1 AND 2

VIEW FROM SOUTEAST - PHASE 1 ONLY

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FOUNDRY WAY, WAUWATOSA, WI

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PERSPECTIVE ELEVATION

A2-1

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VIEW FROM WEST - PHASES 1 AND 2

VIEW FROM WEST - PHASE 1 ONLY

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p608.829.4444 f608.829.4445 dimensionivmadison.com

MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

DATE OF ISSUE: 09/09/2025

REVISIONS:

PROJECT # 24106

PERSPECTIVE ELEVATION

A2-2

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VIEW FROM SOUTH - PHASES 1 AND 2

VIEW FROM SOUTH - PHASE 1 ONLY

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PERSPECTIVE ELEVATION

A2-3

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VIEW FROM NORTHWEST - PHASES 1 AND 2

VIEW FROM NORTHWEST - PHASES 1 ONLY

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A2-4

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VIEW FROM SOUTHWEST - PHASES 1 AND 2

VIEW FROM EAST

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MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

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PROJECT # 24106

PERSPECTIVE ELEVATION

A2-5

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NW ENTRY PHASE 1 AND 2

NW ENTRY PHASE 1

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MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

1 **SOUTH ELEVATION**
1/16" = 1'-0"

0' 4' 8' 16'

DATE OF ISSUE: 09/09/2025

REVISIONS:

PROJECT # 24106

EXTERIOR ELEVATIONS

A2-7

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3 **WEST ELEVATION**
1/16" = 1'-0"

2 **EAST ELEVATION**
1/16" = 1'-0"

1 **NORTH ELEVATION**
1/16" = 1'-0"

MSP - WAUWATOSA NORTH

FOUNDRY WAY, WAUWATOSA, WI

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EXTERIOR ELEVATIONS

A2-8

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Phone: (262) 790-8400
Fax: (262) 790-5555
2030 South 116th Street
West Allis, WI 53227
www.HEIN.com

2025

LIGHTING DEPARTMENT

Drawing Transmittal Letter

TO	JOB NAME	CUSTOMER
Aylssa	MSP WAUWATOSA NORTH SITE	MSP CONSTRUCTION

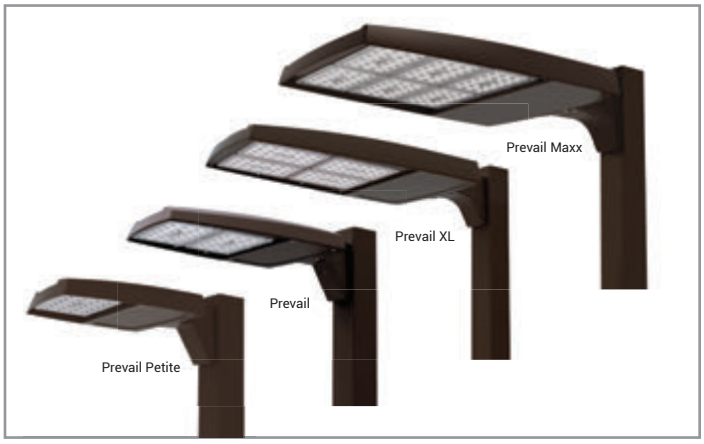
The order will not be scheduled for production until receipt of approval drawings with written release instructions. Based on information supplied with your order, these drawings represent our interpretation of your requirements. Please review these drawings for both accuracy and content. Should you find any discrepancies, please indicate necessary corrections and return marked prints for release or submittal.

Freight Terms: By signing this letter (below) the purchasing party is aware of possible freight charges that may occur during this project. These charges are the responsibility of the purchasing party. Hein Electric Supply Company can provide written estimates upon request.

The following drawings are being submitted for APPROVAL:

SIGNATURE FOR APPROVAL	DATE

Project	MSP WAUWATOSA NORTH	Catalog #	PRV-P-PA1A-740-U-T2R-SA-XX	Type	A1
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3, 4
- Optical Configurations page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 8

Product Certifications

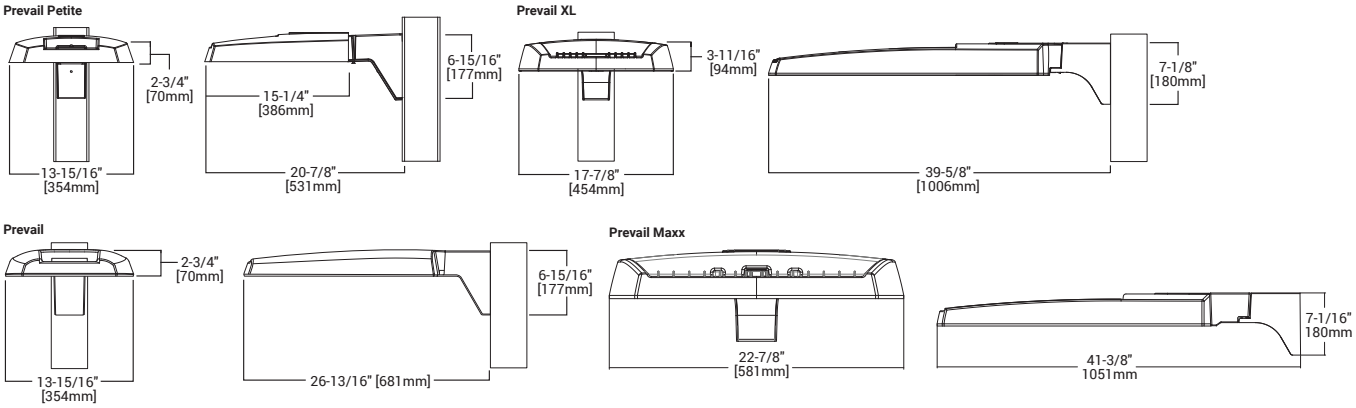
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [29] **ADJA**=Adjustable Arm – Pole Mount [29] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [27, 29]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 27, 28]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 28]

WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [28]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon

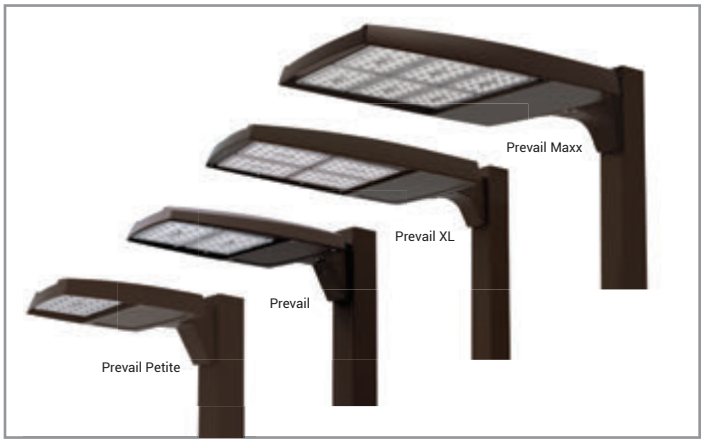
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Project	MSP WAUWATOSA NORTH	Catalog #	PRV-P-PA1B-740-U-T4W-SA-XX	Type	A2
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

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- WaveLinx LITE Wireless

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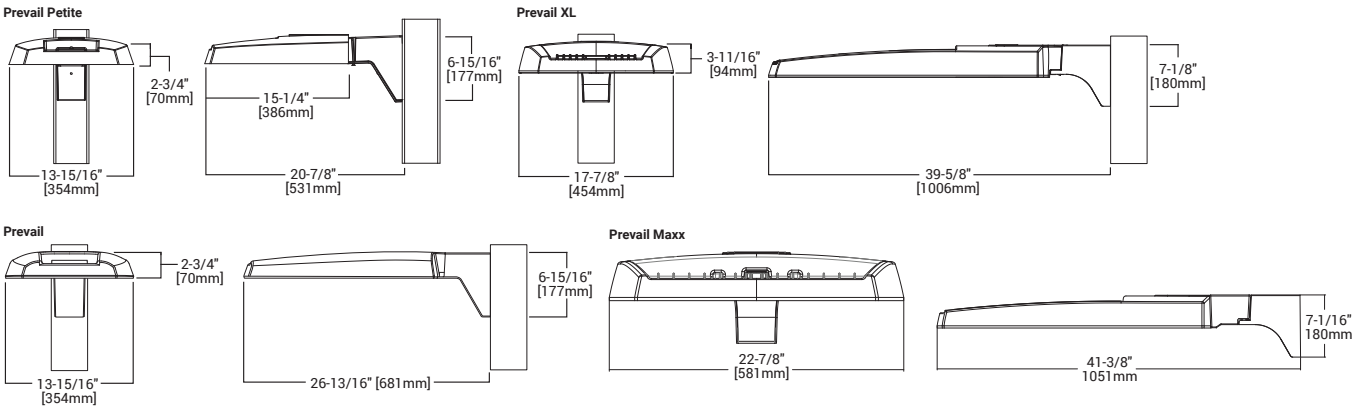

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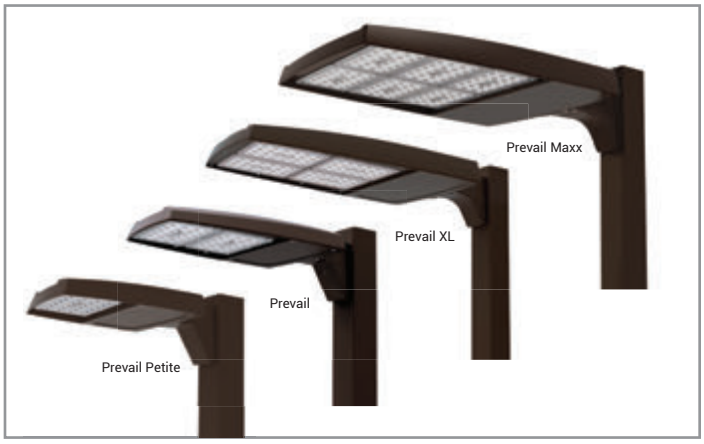
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Project	MSP WAUWATOSA NORTH	Catalog #	PRV-P-PA1A-740-U-T2R-SA-XX	Type	B
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

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- Mounting Details page 3, 4
- Optical Configurations page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 8

Product Certifications

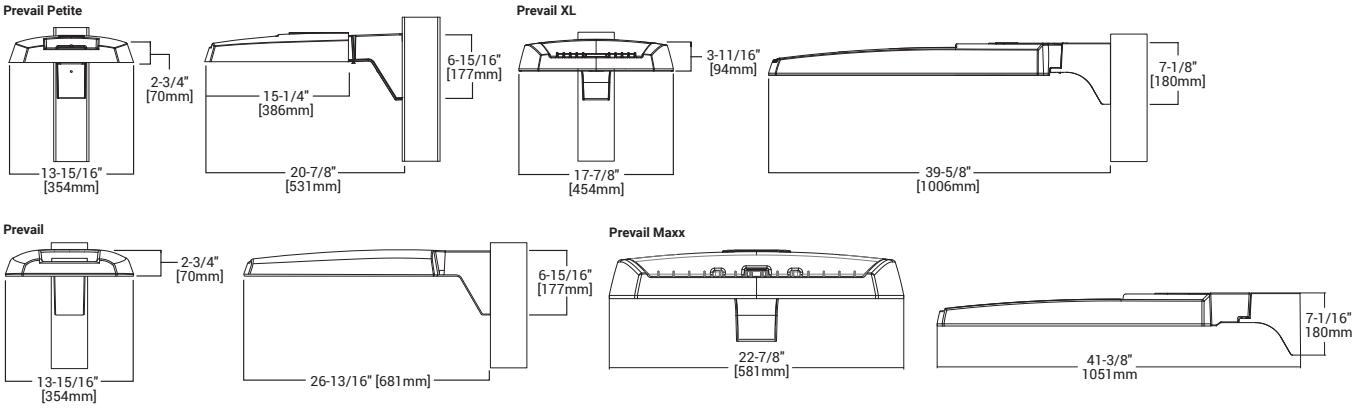
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [29] **ADJA**=Adjustable Arm – Pole Mount [29] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [27, 29]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 27, 28]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 28]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

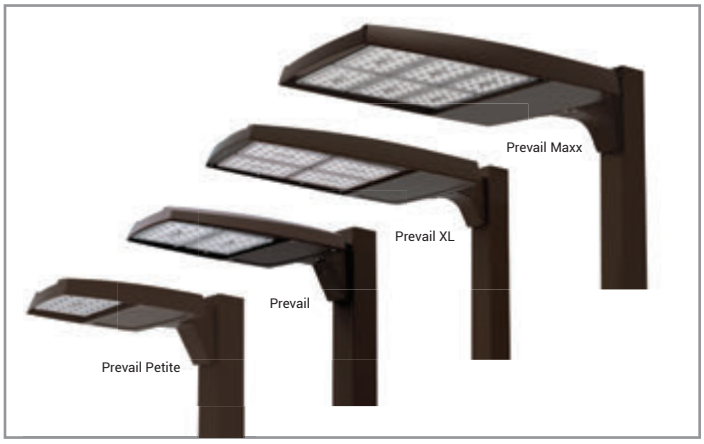
PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [28]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Project	MSP WAUWATOSA NORTH	Catalog #	PRV-P-PA1B-740-U-T3-SA-XX	Type	C
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

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- Optical Configurations page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 8

Product Certifications

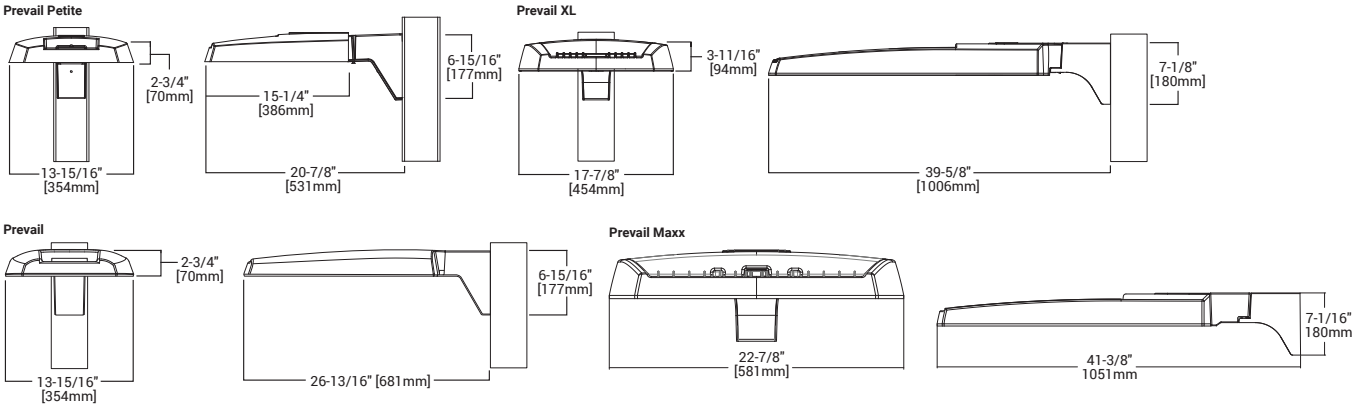
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [29] **ADJA**=Adjustable Arm – Pole Mount [29] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [27, 29]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 27, 28]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 28]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

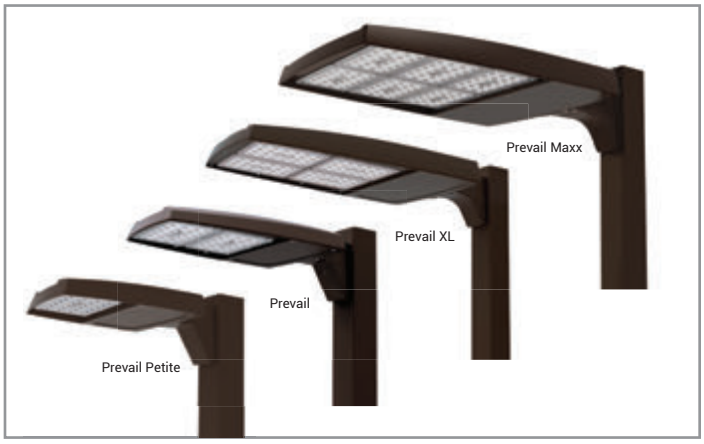
PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [28]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Project	MSP WAUWATOSA NORTH	Catalog #	PRV-P-PA1C-740-U-T2U-SA-XX	Type	D
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3, 4
- Optical Configurations page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 8

Product Certifications

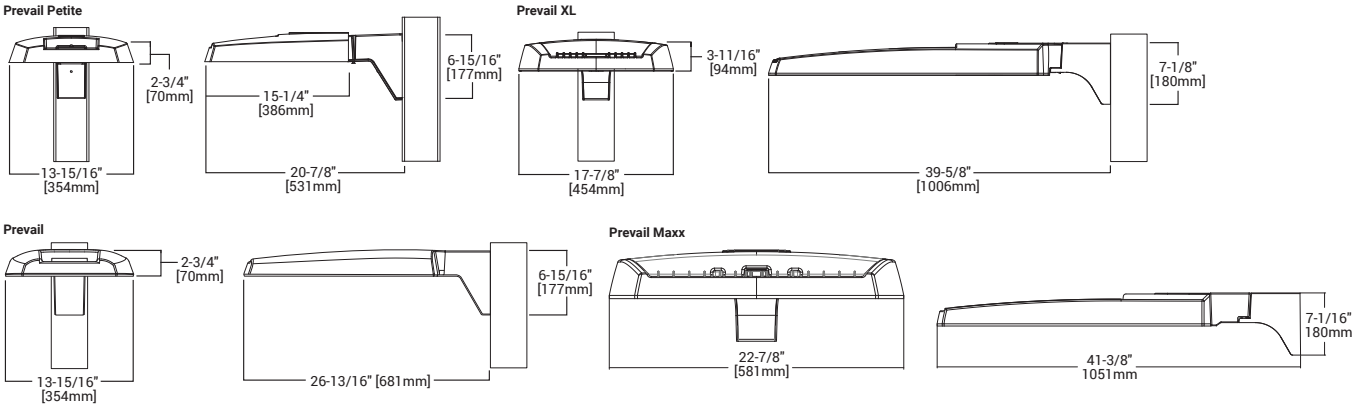
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine: Configuration	Light Engine: Drive Current [4]	Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [29] **ADJA**=Adjustable Arm – Pole Mount [29] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [27, 29]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 27, 28]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 28]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [28]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Project	MSP WAUWATOSA NORTH	Catalog #	PRV-P-PA1D-740-U-T4W-SA-XX	Type	E
Prepared by		Notes		Date	

Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

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- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 8

Product Certifications

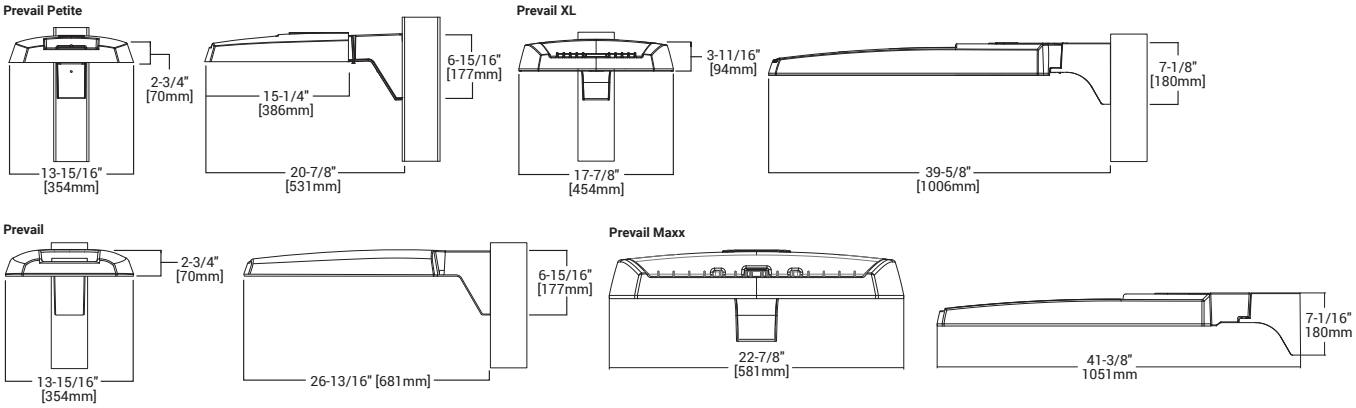
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [29] **ADJA**=Adjustable Arm – Pole Mount [29] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [27, 29]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 27, 28]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 28]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [28]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Project	MSP WAUWATOSA NORTH	Catalog #	PRV-P-PA1D-740-U-5WQ-SA-XX	Type	F
Prepared by		Notes		Date	

Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

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- Control Options page 8

Product Certifications

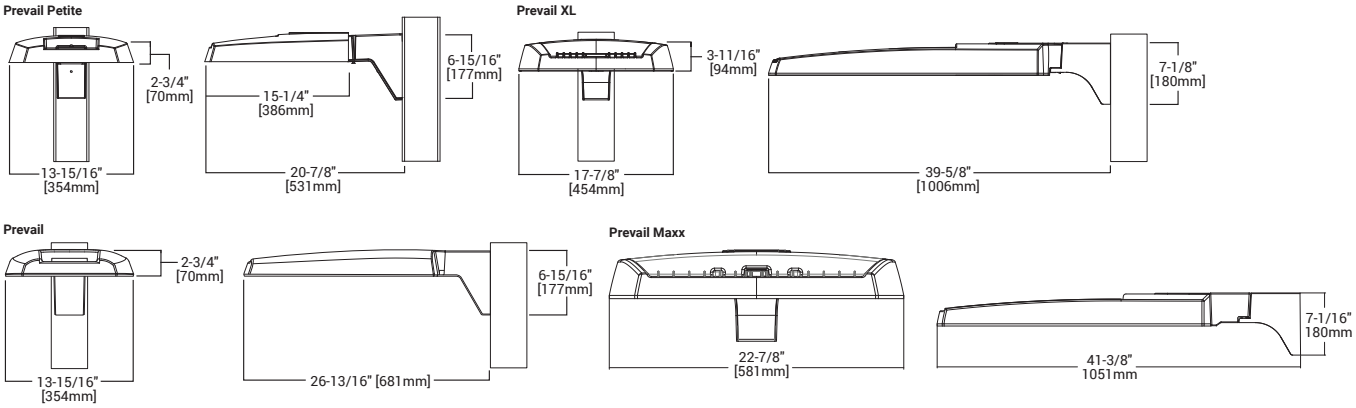
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [5] **9**=347V **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [29] **ADJA**=Adjustable Arm – Pole Mount [29] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [27, 29]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
F=Single Fuse (Used with Voltages 120, 277 or 347V)
FF=Double Fuse (Used with Voltages 208, 240 or 480V)
FADC=Field Adjustable Dimming Controller [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [9]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 27, 28]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14, 28]
WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17]
WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJA-WM-XX= Adjustable Arm - Wall Mount Kit [28]
PRV-XL-ADJS-XX= Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
VGS-ARCH= Panel Drop Shield, Short
VGL-ARCH= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

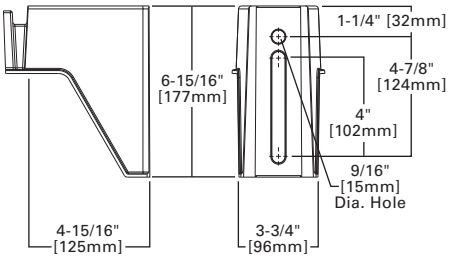
NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V.
27.Only available for PRV-M configurations.
28. Only for use with PRV-XL.
29. Fixed for PRV-M
30. Cannot be used with PR7 or other motion response control options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

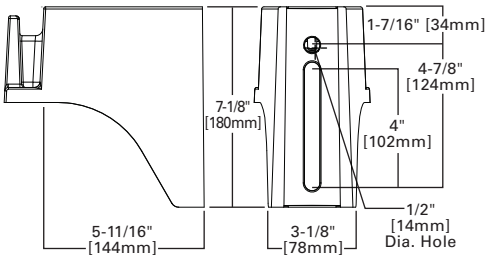
Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Mounting Details

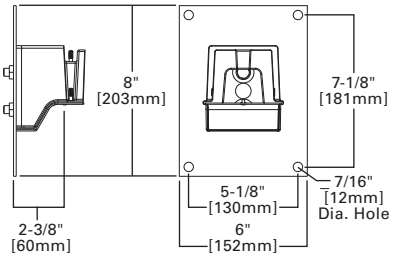
SA=QM Pole Mount Arm (PRV & PRV-P)



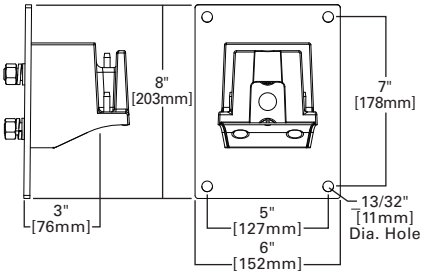
SA=QM Pole Mount Arm (PRV-XL)



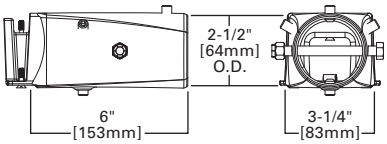
WM=QM Wall Mount Arm (PRV & PRV-P)



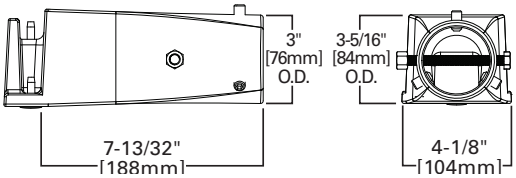
WM=QM Wall Mount Arm (PRV-XL)



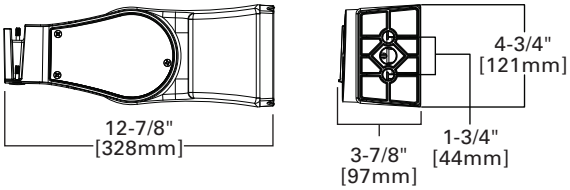
MA=QM Mast Arm (PRV & PRV-P)



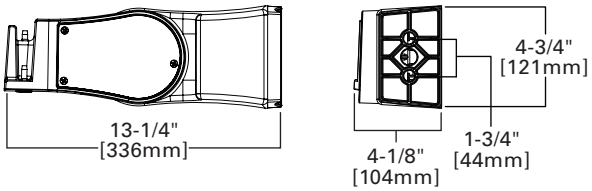
MA=QM Mast Arm (PRV-XL)



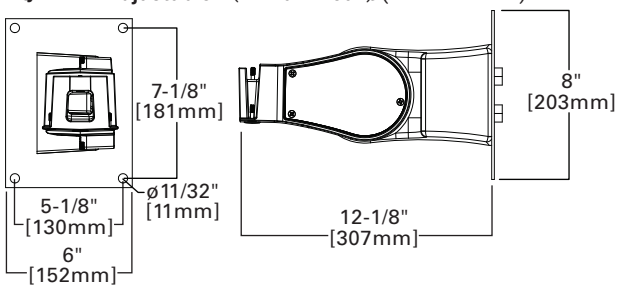
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



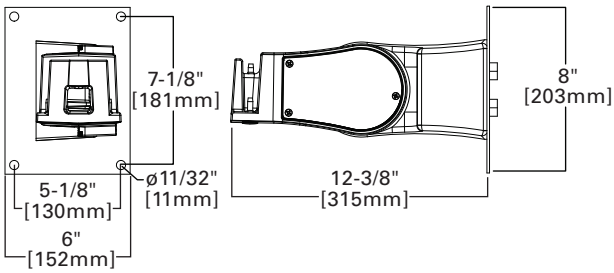
ADJA=Adjustable Arm Pole Mount (PRV-XL)



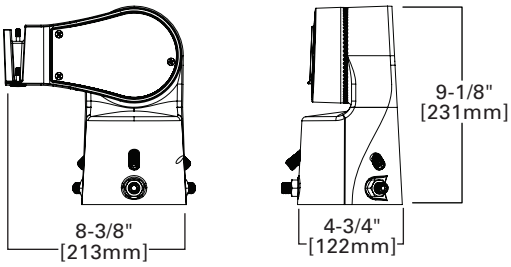
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



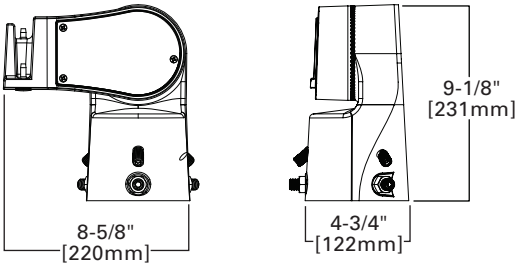
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)

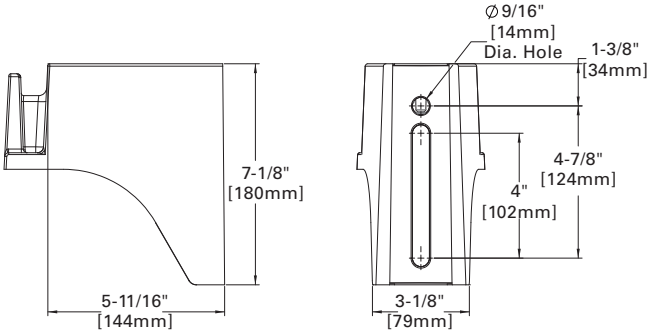


ADJS=Adjustable Slipfitter 3 (PRV-XL)

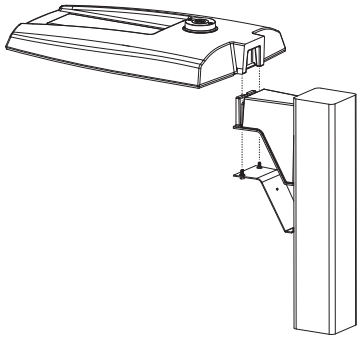


Mounting Details

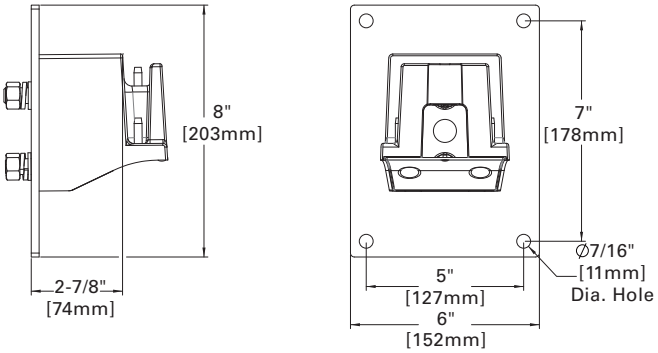
SA=QM Pole Mount Arm (PRV-M)



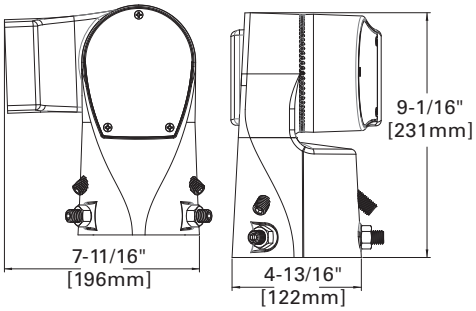
Versatile Mount System



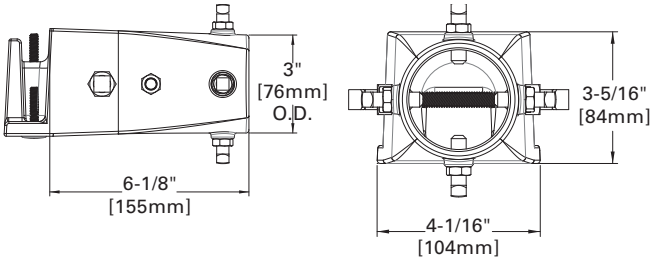
WM=QM Wall Mount Arm (PRV-M)



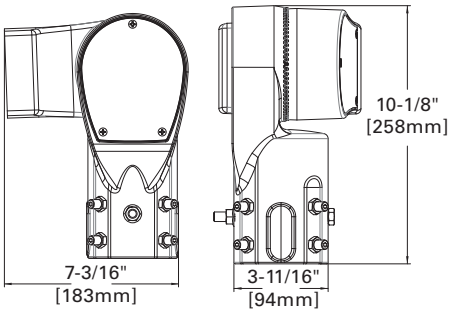
ADJS=Adjustable Slipfitter (PRV-M)



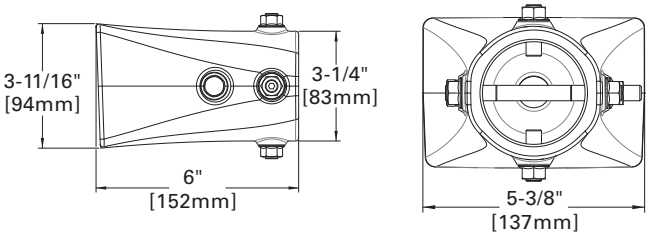
MA=QM Mast Arm (PRV-M)



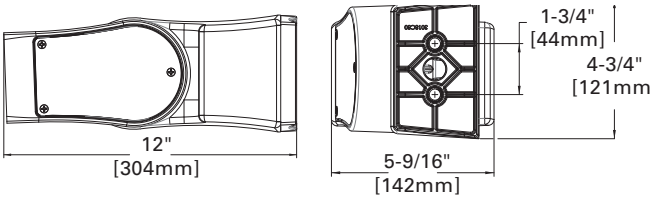
SP2=Adjustable Slipfitter 2-3/8" (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



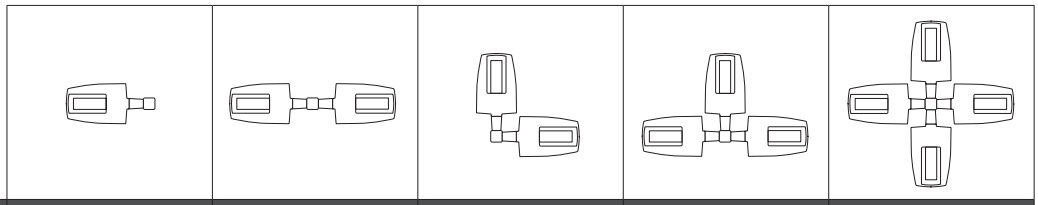
ADJA=Adjustable Pole Mount Arm (PRV-M)



Mounting Details

Mounting Configurations and EPAs

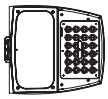
NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications



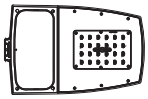
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

Optical Configurations

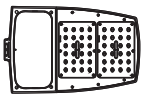
PRV-P-PA1X



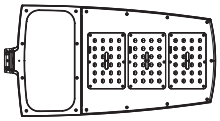
PRV-PA1X



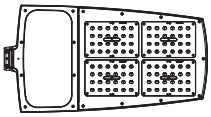
PRV-PA2X



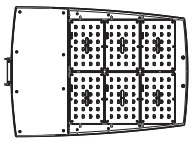
PRV-XL-PA3X



PRV-XL-PA4X

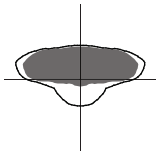


PRV-M-PA6X

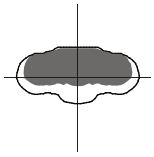


Optical Distributions

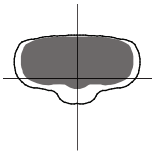
T2R
(Type II Roadway)



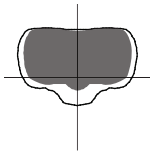
T2U
(Type II Urban)



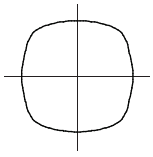
T3
(Type III)



T4W
(Type IV Wide)



5WQ
(Type V Square Wide)



= Distribution with House Side Shield (HSS)

= Optical Distribution

Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels; Comes pre-set to the highest position at the lumen output selected

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Power and Lumens

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Product Family		Prevail Petite				Prevail				Prevail XL				Prevail Maxx			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54
Input Current @ 277V (A)		0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94
Input Current @ 347V (A)		0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60
Input Current @ 480V (A)		0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens [1]	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens [1]	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens [1]	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens [1]	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens [1]	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27466	34717	40872	44818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens [1]	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens [1]	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens [1]	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:
1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

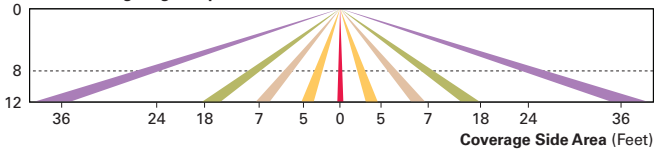
Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

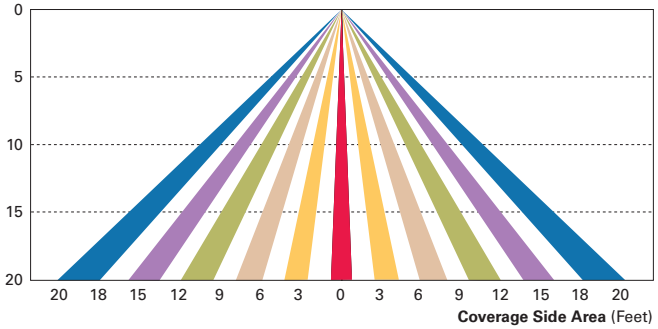
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

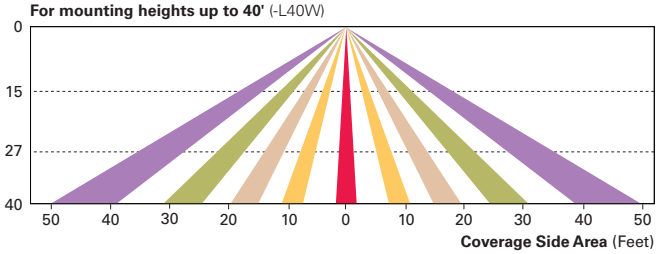
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

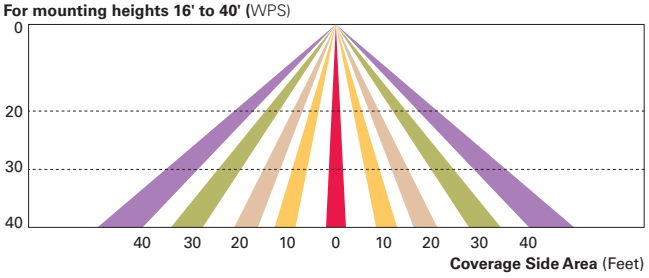


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx PRO Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights 16' to 40' (WPS)



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions
subject to change without notice.

Spec Sheets

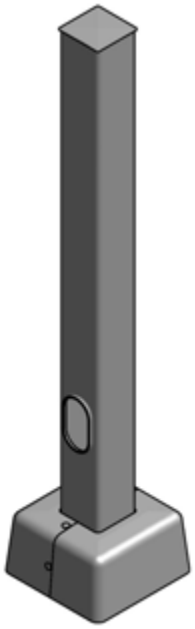
SQUARE STRAIGHT STEEL POLES

UNITED LIGHTING STANDARDS
A DWM COMPANY

Specifications, Options, and Accessories

United Lighting Standard's Square Straight Steel Poles are engineered to meet the rigorous demands of the natural environment. The Information below can be used to determine the exact pole needed for a variety of lighting applications.

Please note that standards mounted on structures (parking garages, buildings, bridges, piers, etc.) require factory consultation.



Pole Shaft Specifications

— The pole shaft is one-piece construction — fabricated from a weldable-grade carbon steel structural tubing with a uniform wall thickness. The pole shaft material shall conform to ASTM A-500 Grade B with a minimum yield strength of 46,000 psi. It has a full-length longitudinal resistance weld and is uniformly square in cross section with flat sides, small corner radii, and excellent torsional properties.

Base Plate Cover

— For our anchor-base designs, a full base cover is supplied. The base cover is made of automotive structural grade ABS plastic with a UV inhibitor to eliminate color fading. It is rust proof and tamper resistant.

Anchor Bolts

— Complete sets of (4) anchor bolts are included with each of our poles. The size of the bolts are determined by the pole type. Our 3/4" anchor bolts are fully galvanized. All other sizes are partially galvanized on the threaded side of the bolt only. Fully galvanized bolts are available upon request.

Direct Burial

— For embedded designs, an optional alkali-resistant, coal-tar epoxy can be applied to the burial portion of embedded poles. Our direct-burial poles are supplied complete with a 2"×4" wiring slot below grade.

Hand Hole

— All of our straight steel poles come standard with a 3"x5" hand hole, centered at 14" above grade. Each pole comes with a complete ABS hand hole cover assembly to match the finish of the pole.

Wind Loading Data: AASHTO

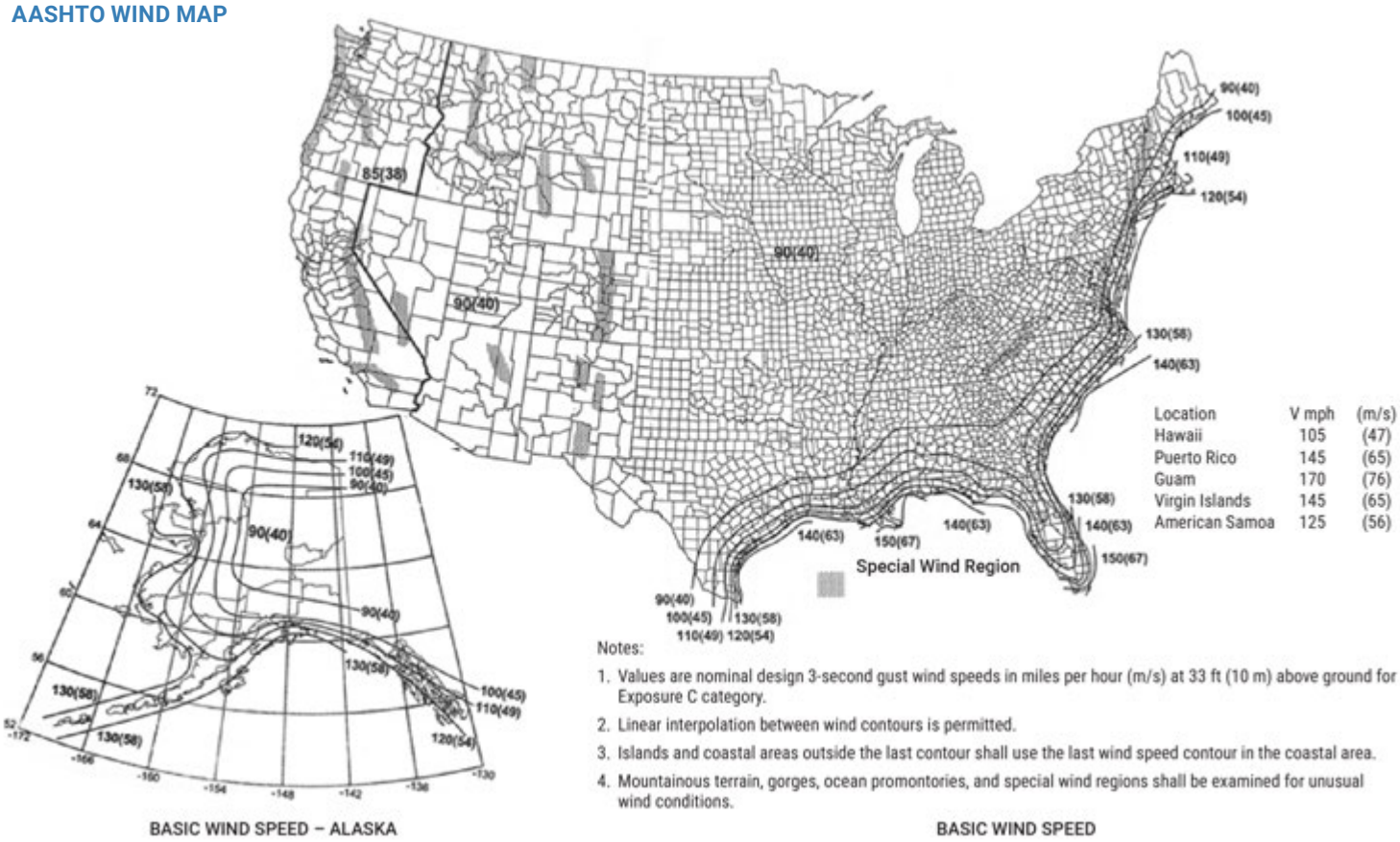
2013 AASHTO LTS-6

ULS PART #	Mounting Height (ft)	Diameter (A)x Wall (B)x Height (C)	Plate	Bolt Circle (Range)	Bolt Dia x Vertical x Horizontal	Max Luminaire Weight	Pole EPA Rating						
							80 MPH	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH
RPSQ 10-4-11	10	4" x 11 ga. x 10'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	35.7	27.6	21.8	17.6	14.3	11.8	9.8
RPSQ 12-4-11	12	4" x 11 ga. x 12'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	28.6	21.9	17.1	13.5	10.8	8.7	7.1
RPSQ 14-4-11	14	4" x 11 ga. x 14'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	23.3	17.6	13.5	10.5	8.2	6.4	5
RPSQ 15-4-11	15	4" x 11 ga. x 15'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	21.1	15.8	12	9.2	7.1	5.4	4.1
RPSQ 16-4-11	16	4" x 11 ga. x 16'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	19.1	14.2	10.7	8	6	4.5	3.3
RPSQ 18-4-11	18	4" x 11 ga. x 18'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	15.6	11.3	8.2	5.9	4.2	2.8	1.8
RPSQ 20-4-11	20	4" x 11 ga. x 20'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	12.5	8.7	6	4.1	2.6	1.4	0.4
RPSQ 20-4-7	20	4" x 7 ga. x 20'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	19.4	14.3	10.7	8	5.9	4.3	3.1
RPSQ 25-4-11	25	4" x 11 ga. x 25'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	6.7	3.9	1.9	0.4	N/A	N/A	N/A
RPSQ 25-4-7	25	4" x 7 ga. x 25'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	8.7	8.7	6	3.9	2.3	1.1	N/A
RPSQ 20-5-11	20	5" x 11 ga. x 20'	11" x 0.75"	10.5/11.5" (11.0")	.75 x 17 x 3	200	19.3	13.8	9.8	6.9	4.7	3	1.6
RPSQ 20-5-7	20	5" x 7 ga. x 20'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	38	28.7	22	17.1	13.3	10.4	8.1
RPSQ 25-5-11	25	5" x 11 ga. x 25'	11" x 0.75"	10.5/11.5" (11.0")	.75 x 17 x 3	200	11.2	7.1	4.1	1.9	0.3	N/A	N/A
RPSQ 25-5-7	25	5" x 7 ga. x 25'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	25.6	18.6	13.6	9.9	7.1	4.9	3.1
RPSQ 30-5-11	30	5" x 11 ga. x 30'	11" x 0.75"	10.5/11.5" (11.0")	.75 x 17 x 3	200	5.4	2.2	N/A	N/A	N/A	N/A	N/A
RPSQ 30-5-7	30	5" x 7 ga. x 30'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	17.1	11.6	7.6	4.7	2.5	0.7	N/A
RPSQ 35-5-7	35	5" x 7 ga. x 35'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	10.7	6.2	3	0.6	N/A	N/A	N/A
RPSQ 25-6-7	25	6" x 7 ga. x 25'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	38.2	28.1	20.9	15.8	11.5	8.4	5.9
RPSQ 30-6-7	30	6" x 7 ga. x 30'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	26.9	18.8	13.1	8.8	5.5	3	1
RPSQ 35-6-7	35	6" x 7" ga. x 35'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	18.2	11.6	6.8	3.3	0.7	N/A	N/A
RPSQ 39-6-7	39	6" x 7 ga. x 39'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	6.7	6.6	2.6	N/A	N/A	N/A	N/A

For steel poles, we have the ability to modify the base plate to accommodate alternate bolt circles to fit existing anchor bolt patterns. Note that we can only increase the size to the standard bolt circle; we cannot accommodate decreased bolt circle sizes for our cataloged poles. Contact the factory with any questions. New anchor bolts should be set using factory-supplied anchor bolt templates.

Vibration dampeners are recommended for poles 25' and above.

AASHTO WIND MAP



Wind Loading Data: Florida Building Code

2020 FBC / ASCE-7

ULS PART #	Mounting Height (ft)	Diameter (A)x Wall (B)x Height (C)	Plate	Bolt Circle (Range)	Bolt Dia x Vertical x Horizontal	Max Luminaire Weight	Pole EPA Rating						
							120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
RPSQ 10-4-11	10	4" x 11 ga. x 10'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	31.1	26	22.1	18.9	16.2	14.1	12.2
						500	29.9	25	21.2	18.1	15.5	13.4	11.8
RPSQ 12-4-11	12	4" x 11 ga. x 12'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	24.8	20.7	17.4	14.7	12.5	10.7	9.2
						500	23.8	19.8	16.6	14	11.9	10.2	8.7
RPSQ 14-4-11	14	4" x 11 ga. x 14'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	20.3	16.7	13.8	11.5	9.7	8.1	6.8
						500	19.5	15.9	13.2	11	9.2	7.7	6.4
RPSQ 15-4-11	15	4" x 11 ga. x 15'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	18.4	15	12.4	10.2	8.5	7	5.8
						500	17.5	14.3	11.8	9.7	8	6.6	5.4
RPSQ 16-4-11	16	4" x 11 ga. x 16'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	16.5	13.4	10.9	8.9	7.3	6	4.8
						500	15.7	12.7	10.4	8.4	6.9	5.6	4.5
RPSQ 18-4-11	18	4" x 11 ga. x 18'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	13.3	10.6	8.4	6.7	5.3	4.1	3.2
						500	12.6	10	7.9	6.3	4.9	3.8	2.9
RPSQ 20-4-11	20	4" x 11 ga. x 20'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	10.6	8.3	6.4	4.9	3.6	2.6	1.7
						500	10	7.8	6	4.5	3.3	2.3	1.5
RPSQ 20-4-7	20	4" x 7 ga. x 20'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	11.2	8.8	7	5.4	4.2	3.2	2.3
						500	10.6	8.3	6.5	5.1	3.8	2.9	2
RPSQ 25-4-11	25	4" x 11 ga. x 25'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	5.7	3.9	2.4	1.3	0.3	N/A	N/A
						500	5.2	3.5	2	1	N/A	N/A	N/A
RPSQ 25-4-7	25	4" x 7 ga. x 25'	8" x 0.75"	8.0/9.0" (8.5)	.75 x 17 x 3	200	6.4	4.6	3.1	2	1	N/A	N/A
						500	5.9	4.2	2.8	1.7	0.8	N/A	N/A
RPSQ 20-5-11	20	5" x 11 ga. x 20'	11" x 0.75"	10.5/11.5" (11.0")	.75 x 17 x 3	200	13.8	10.8	8.3	6.3	4.7	3.4	2.3
						500	13.3	10.3	7.9	6	4.4	3.1	2
RPSQ 20-5-7	20	5" x 7 ga. x 20'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	33.2	27.4	22.7	19	15.9	13.3	11.2
						500	32.8	27.1	22.4	18.7	15.7	13.1	11
RPSQ 25-5-11	25	5" x 11 ga. x 25'	11" x 0.75"	10.5/11.5" (11.0")	.75 x 17 x 3	200	7.4	5	3.2	1.7	0.4	N/A	N/A
						500	6.9	4.7	2.8	1.4	N/A	N/A	N/A
RPSQ 25-5-7	25	5" x 7 ga. x 25'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	22.5	18	14.5	11.6	9.3	7.3	5.7
						500	22.2	17.7	14.2	11.4	9.1	7.1	5.5
RPSQ 30-5-11	30	5" x 11 ga. x 30'	11" x 0.75"	10.5/11.5" (11.0")	.75 x 17 x 3	200	2.7	0.8	N/A	N/A	N/A	N/A	N/A
						500	2.3	0.5	N/A	N/A	N/A	N/A	N/A
RPSQ 30-5-7	30	5" x 7 ga. x 30'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	15.1	11.5	8.6	6.3	4.5	2.9	1.6
						500	14.8	11.3	8.4	6.2	4.3	2.8	1.5
RPSQ 35-5-7	35	5" x 7 ga. x 35'	11" x 1.00"	10.5/11.5" (11.0")	1 x 36 x 4	200	9.5	6.5	4.2	2.3	0.7	N/A	N/A
						500	9.3	6.3	4	2.1	0.6	N/A	N/A
RPSQ 25-6-7	25	6" x 7 ga. x 25'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	22	17.3	13.6	10.5	8.1	6	4.3
						500	21.6	17	13.3	10.3	7.9	5.9	4.2
RPSQ 30-6-7	30	6" x 7 ga. x 30'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	13.9	10.1	7.2	4.7	2.8	1.1	N/A
						500	13.6	9.9	7	4.6	2.6	1	N/A
RPSQ 35-6-7	35	6" x 7" ga. x 35'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	7.8	4.7	2.2	N/A	N/A	N/A	N/A
						500	7.6	4.5	2	N/A	N/A	N/A	N/A
RPSQ 39-6-7	39	6" x 7 ga. x 39'	12" x 1.00"	11.0/12.0" (11.5")	1 x 36 x 4	200	3.7	1	N/A	N/A	N/A	N/A	N/A
						500	3.5	0.8	N/A	N/A	N/A	N/A	N/A

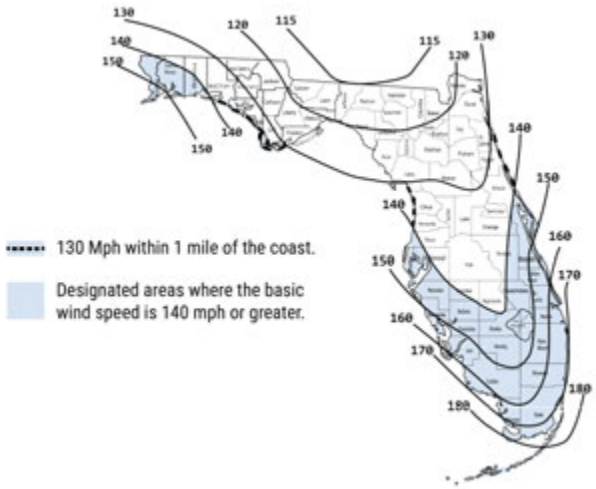
For steel poles, we have the ability to modify the base plate to accommodate alternate bolt circles to fit existing anchor bolt patterns. Note that we can only increase the size to the standard bolt circle; we cannot accommodate decreased bolt circle sizes for our cataloged poles. Contact the factory with any questions. New anchor bolts should be set using factory-supplied anchor bolt templates.

Vibration dampeners are recommended for poles 25' and above.

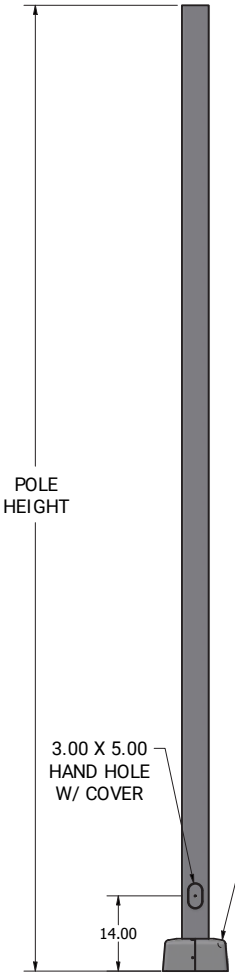
FBC WIND MAP

Notes:

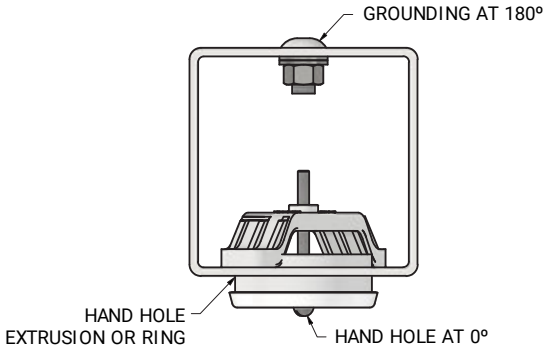
1. Values are nominal design 3-second gust wind speeds in miles per hour (m/s) at 33 ft (10 m) above ground for Exposure C category.
2. Linear interpolation between wind contours is permitted.
3. Islands and coastal areas outside the last contour shall use the last wind speed contour in the coastal area.
4. Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.
5. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (Annual Exceedance Probability = 0.00143, MRI = 700 years).
6. This map is accurate to the county. Local Governments establish specific wind speed/wind-borne debris lines using physical landmarks such as major roads, canals, rivers and shorelines.
7. Within 1 mile (1.61 km) of the mean high-water line where and Exposure D condition exists upwind at the waterline and the ultimate design wind speed, V_{ultu} is 130 mph (58 m/s) or greater.
8. Location-specific wind speeds shall be permitted to be determined using the ASCE Wind Design Geodatabase. The ASCE Wind Design Geodatabase can be accessed at the ASCE 7 Hazard Tool (https://asce7hazardtool.online) or equivalent.

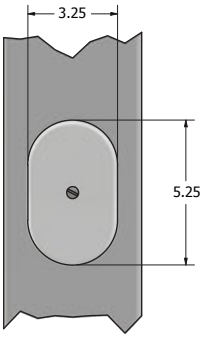


Pole Details

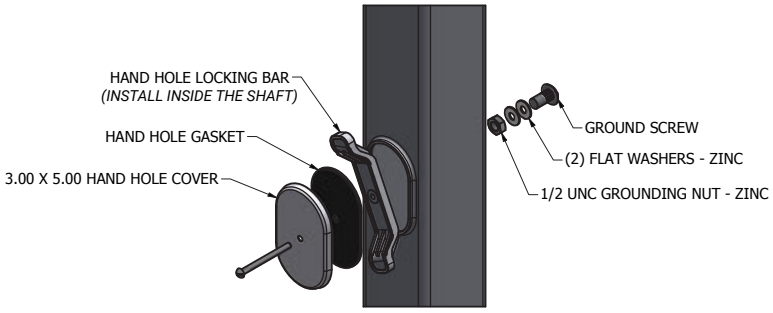


Hand Hole Detail

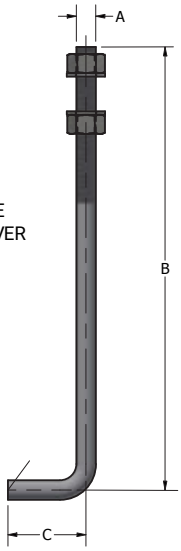




Hand Hole Cover Assembly



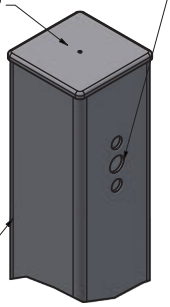
Anchor Bolt Detail



A = DIAMETER
B = VERTICAL LENTH
C = HORIZONTAL LENGTH

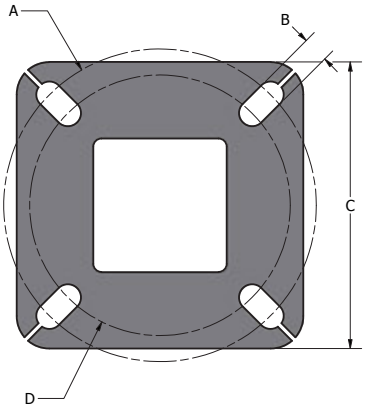
*Sizing based on pole selection, see table on page 2

Drill Mount Options



DRILL PER FIXTURE REQUIREMENTS:
D1 - DRILLED FOR 1 FIXTURE
D2 - DRILLED FOR 2 FIXTURES AT 90° OR 180°
D3 - DRILLED FOR 3 FIXTURES
D4 - DRILLED FOR 4 FIXTURES

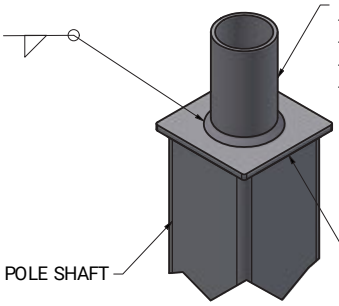
Base Plate / Bolt Circle



A = OUTER BOLT CIRCLE (OF RANGE)
B = BOLT HOLE PROVISION
C = PLATE SIZE
D = INNER BOLT CIRCLE (OF RANGE)

*Sizing based on pole selection, see table on page 2

Tenon Mount Options



TENON MOUNT OPTIONS:
T2- Ø2.38 OD X 4.00 LG
T2.5 - Ø2.88 OD X 4.00 LG
T3- Ø3.00 OD X 5.00 LG
T4- Ø4.00 OD X 6.00 LG

.25 THK. TENON MOUNT

Build Your Part Number

The information below allows you to pull together the exact part number for the Square Straight Steel Pole required for your application. Details about the various options and accessories available can be found on the following pages. **Please note that each option and accessory must denote a mounting orientation (hand hole is at 0°) and height from base the of the pole.**

Catalog Number (found in wind load tables)				Mounting Type	Fixture Mounting Arrangement	Finish	Options			Accessories		
Design	Shaft Size	Wall Thickness	Mounting Height				Design	Orientation	Height From Base	Design	Orientation	Height From Base

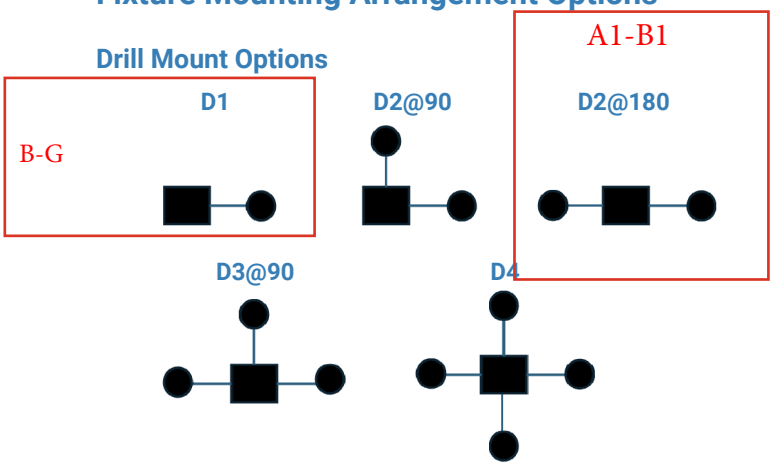
Mounting Type Options

AB = Anchor Base

EMB = Embedded (Direct Burial)

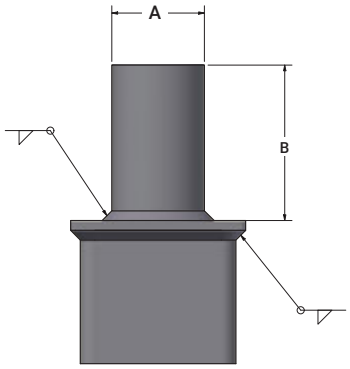
Fixture Mounting Arrangement Options

Drill Mount Options



Tenon Mount Options

Design	Dia. (A)	Length (B)
T2	2.38"	4.00"
T2.5	2.88"	4.00"
T3	3.00"	5.00"
T4	4.00"	6.00"



Tenon Mount

Finish Options

Standard Finishes

DP = Dark Platinum

MG = Moss Green

WH = White

TWH = Textured White

DB = Dark Bronze

HB = Harvest Bronze

TMB = Textured Medium Bronze

NB = New Bronze

SL = Silver

MGY = Medium Gray

GR = Gray

TGR = Textured Gray

MA= Matte Aluminum

PSP = Platinum Silver

BK = Black

TBK = Textured Black

Premium Finishes

GM = Graphite Metallic

DP = Dark Platinum

MG = Moss Green

Available Options

CSBC = Custom Steel Base Cover

MODBASE = Modified Steel Base Plate

VD = Vibration Dampener

GFI = Ground Fault Circuit Interrupter

FESTOON = Switch or Receptacle Mounting Provision

CMB = Camera Mounting Bracket

CMP = Camera Mounting Plate

WB = Welded Bracket

WC = Welded Coupling

WN = Welded Nipple

PE = Pad Eye

SCP = Shielded Circuit Provision

XHH = Extra Hand Hole

FGAB = Fully Galvanized Anchor Bolts

L/AB = Anchor Bolt Deduct

UL = UL Listed

CSA = CSA Listed

BUY AMERICA = Buy America Act (BAA) Requirement for US-Sourced Steel (must be requested at time of order)

Available Accessories

BA = Banner Arm

FH = Flag Holder

FPH = Flower Pot Holder

PTTA = Pole Top Tenon Adapter

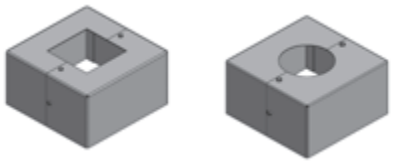
BAC = Breakaway Couplings

TTAP = Two-Tier Adapter Plate

Available Options Detail

Custom Steel Base Cover

Design	Description
CSBC	Custom Steel Base Cover



Modified Steel Base Plate*

Catalog Number	Description
MODBASE	Accommodate existing bolt patterns or other required specifications on steel poles. Plates can only be made to increase the standard bolt circle of a pole, smaller bolt circles cannot be accommodated. Bolt circle size must be provided to release an order.

*Includes custom steel base cover to fit

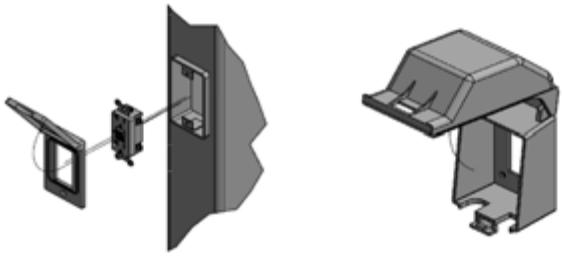
Vibration Dampener*

Design	Description
VD	Recommended for use with all poles 25' and higher

*All vibration dampeners are plus freight if purchased and shipped separately.

Ground Fault Circuit Interrupter*

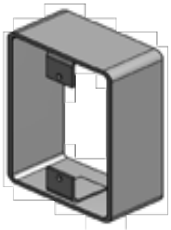
Design	Description
GFI	Weatherproof 15-20 amp. 125V A/C Recessed Ground Fault Circuit Interrupter with In Use Cover



*Requires a mounting location of a minimum of 10" above hand hole to not affect the structural integrity of the pole.

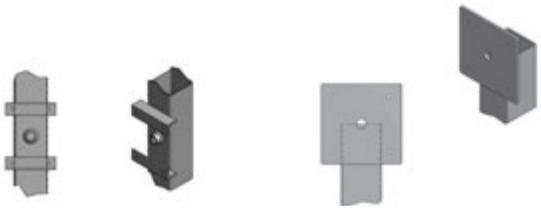
Festoon - Switch or Receptacle Mounting Provision

Design	Description
FESTOON	Mounting provision for customer-supplied switch or standard receptacle.



Mounting Bracket

Design	Description
CMB	Mounting Bracket
CMP	Mounting Plate



Welded Bracket

Design	Description
WB	2-3/8" OD Bent Slip-fit Pipe Bracket Welded on Pole

Welded Coupling*

Design	Description
WC	Threaded Pipe Coupling with Wire Hole Welded to Pole

*See cutsheet on our website for available coupling sizes.

Available Options Detail (continued)

Welded Nipple

Design	Description
WN	Threaded Pipe Nipple with Wire Hole Welded to Pole

Pad Eye

Design	Description
PE	Welded Padeye Provision Available in Aluminum or Steel to Match Pole

Shielded Circuit Provision

Design	Description
SCP	Shielded Circuit Mounting Provision

Extra Hand Hole*

Design	Description
XHH	Extra Hand Hole Provision Located as Specified on Order

*Includes hand hole cover assembly.

Fully Galvanized Anchor Bolts*

Catalog Number	Description (in.)
FGAB	¾" x 20"
	¾" x 28"
	1" o.d.
	1.5" o.d.

*3/4" x 20" standard bolt is fully galvanized, all other anchor bolts are partially galvanized on the threaded end only.

Anchor Bolt Deduct — Used When Customer Does Not Want Anchor Bolts Shipped

Catalog Number	Description
L/AB	Deduct amount for all 3/4" anchor bolts (see pole type matrices for anchor bolt size)
	Deduct amount for all 1" anchor bolts (see pole type matrices for anchor bolt size)

Ul or CSA Listing

Catalog Number	Description
UL	Poles can be ordered to meet UL requirements. "UL" must appear in the part number. UL Listed poles include a metal hand hole cover and UL label.
CSA	Poles can be ordered to meet CSA requirements. "CSA" must appear in the part number. CSA approved poles include required grounding provision and CSA label.

CLASSIFIED UL

LUMINAIRE POLE WITH RESPECT TO ELECTRICAL HAZARDS ONLY <E473617>

BRAND COMPANIES OF DWM HOLDINGS

CSA C US

CLASS - 3426 03 - LUMINAIRES - LUMINAIRE POLES

CATALOG NUMBER

YEAR OF MANUFACTURE

SUITABLE FOR WET LOCATIONS.

Available Accessories Detail

Banner Arm — Includes Top And Bottom Arm

Catalog Number	Description
BA	Banner Arm 25" or 31"

Flag Holder

Catalog Number	Description
FH	Flag Holder

Flower Pot Holder

Catalog Number	Description
FPH	Flower Pot Holder

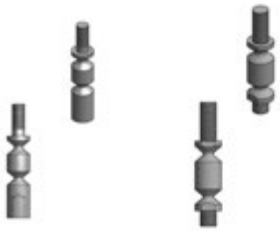
Ptta — Square Pole Top Tenon Adapters

Catalog Number	Drill Mount Options	Height (in.)	Pole Size (in. sq.)
PTTA-4SQ-DXX	D1,D2,D3,D4	13	4
PTTA-5SQ-DXX	D1,D2,D3,D4	13	5
PTTA-6SQ-DXX	D1,D2,D3,D4	13	6

Break Away Couplings*

Catalog Number	To Fit Anchor Bolt Size (in.)
BAC-.75-SET	0.75 O.D.
BAC-1.0-SET	1.00 O.D.

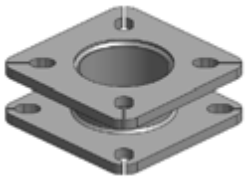
*Break away couplings provided with square skirt cover.



Two-Tier Adapter Plate*

Catalog Number	Min Bolt Circle (in.)	Max Bolt Circle (in.)	Included Base Cover
TTAP	------	12	YES
TTAP-16	12	16	YES

*Includes connecting hardware and Square Steel Base Cover



7725 W. North Avenue
Wauwatosa, WI 53213

Wauwatosa, WI

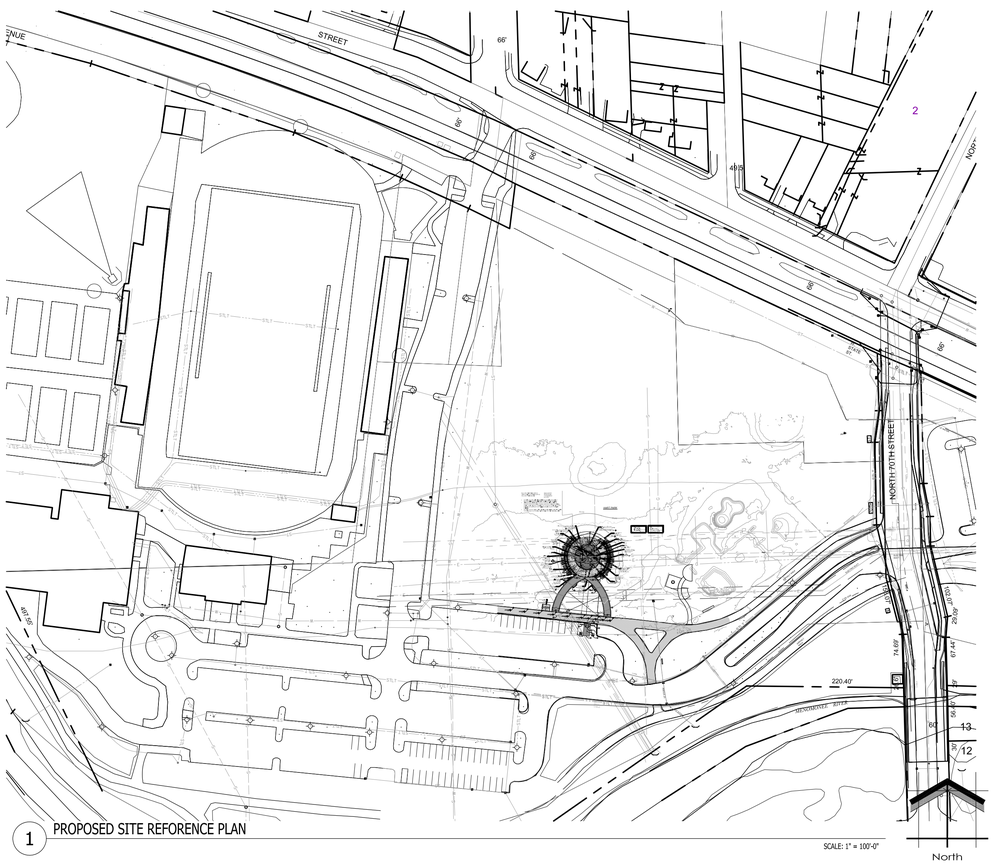
Staff Report

File #: 25-1517 **Agenda Date:** 9/18/2025 **Agenda #:** 3.

7300 Chestnut - Wauwatosa Veterans Memorial

Project Sheet Legend:

LGD0.1	LEGEND SHEET
AGL0.2	ACCESSIBILITY SHEET
SD1.1	PROPOSED SITE PLAN
SD1.2	PROPOSED GRADING PLAN
SD1.3	PROPOSED PLAZA CROSS-SECTION AND DETAILS
SD1.4	PROPOSED HARDSCAPE MATERIALS
LSP1.1	PROPOSED LANDSCAPE PLAN
LSP1.2	PROPOSED LANDSCAPE DETAILS
LGT1.1	PROPOSED LIGHTING PLAN
LGT1.2	PROPOSED PROJECT LIGHT FIXTURES
LGT1.3	PROPOSED PROJECT LIGHT FIXTURES



1 PROPOSED SITE REFERENCE PLAN

SCALE: 1" = 100'-0"

GENERAL SITE NOTES:

1. ALL PAVING RADII SHALL BE 5'-0" UNLESS NOTED OTHERWISE.
2. PROVIDE CONCRETE SIDEWALKS AS INDICATED ON PLAN.
3. UTILITY DESIGN AND WORK BY DESIGN / BUILD CONTRACTOR.
4. GRADING AT ACCESSIBLE ROUTE TO COMPLY WITH COMM, CH. 69 DESIGN GUIDELINES.
5. FINISHED FLOOR ELEVATION = 100'-0" ON ARCHITECTURAL DRAWINGS VERIFY ACTUAL ELEVATION WITH DESIGN / BUILD CONTRACTOR
6. SITE ENGINEERING (ELECTRICAL, STORM WATER DRAINAGE, ETC.) BY DESIGN / BUILD CONTRACTOR.
7. ALL PROPERTY LINE BEARINGS AND LENGTHS BASED ON OWNER PROVIDED DATA.
8. VERIFY EXACT PLAZA PLACEMENT WITH DESIGN / BUILD CONTRACTOR.
9. CONSTRUCTION SITE EROSION AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF WAUWATOSA AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE DEPARTMENT OF NATURAL RESOURCES WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICES HANDBOOK (BMP HANDBOOK).
10. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
11. PERIODIC INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT LEAVING PROPERTY. EROSION CONTROL MEASURES SHALL BE IN WORKING CONDITION AT END OF EACH WORK DAY.
12. SILT FENCE SHALL BE INSTALLED IN ALL LOCATIONS WHERE POTENTIAL RUNOFF AND CONTAMINATION MAY OCCUR.
13. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
14. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCTION RAINFALL EVENT. ANY NEEDED REPAIRS REPAIRS SHALL SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL PROTECTION AS DESIGNED.
15. SEDIMENT IS TO BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES .05 FEET DEEP AT THE FENCE. REPAIR THE FENCE AS NECESSARY TO MAINTAIN BARRIER.
16. SEE ALL RELATED DETAILS AND REMAINING SHEETS SPECIFICATION FOR ADDITIONAL INFORMATION AND HOW IT RELATES TO THE SCOPE OF THE PROJECT.

EXISTING CONDITIONS GENERAL NOTES

1. INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THESE LANDSCAPE DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE THE ACTUAL EXISTING FIELD CONDITIONS. INSITE LANDSCAPE DESIGN, INC. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THEIR NEW WORK. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE LANDSCAPE ARCHITECT IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA OF DISTURBANCE THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.
3. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ALIGNMENT OF WALLS. BRING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECTS ATTENTION PRIOR TO FABRICATION / CONSTRUCTION BEGINS.
4. VERIFY LOCATION OF ACCESS PANELS w/ MECHANICAL AND ELECTRICAL EQUIPMENT FOR ACCESSIBILITY OF MECHANICAL & ELECTRICAL ITEMS. VERIFY LOCATIONS OF ALL BURIED UTILITIES AND STRUCTURES AND LOCATIONS OF ALL OVERHEAD WIRES.
5. M VERIFY LOCATION OF ALL EXISTING EASEMENTS.
6. INSITE LANDSCAPE DESIGN, INC, ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF INSITE LANDSCAPE DESIGN, INC.

SITE DEMOLITION GENERAL NOTES:

1. INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THESE SITE IMPROVEMENT DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE THE ACTUAL EXISTING FIELD CONDITIONS. INSITE LANDSCAPE DESIGN, INC. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THEIR NEW WORK. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE LANDSCAPE ARCHITECT IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.
2. ALL EXISTING CONDITIONS SHALL BE REMOVED AS REQUIRED TO ACCOMMODATE PROPOSED CONSTRUCTION. WHETHER OR NOT NOTED ON DEMOLITION PLAN. (COORDINATE WITH MECH. & ELEC. DRAWINGS)
3. SURFACES ADJACENT TO REMOVAL AREAS SHALL BE PATCHED AND CLEANED. NEW CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES / FINISHES (UNLESS NOTED OTHERWISE).
4. PROVIDE DUST CONTROL AND/OR TEMPORARY BARRIERS / PARTITIONS AS REQUIRED BETWEEN CONSTRUCTION AREAS
5. PROVIDE A SAFE PASSAGE THROUGH AND/OR AROUND CONSTRUCTION AREAS AS REQUIRED TO MAINTAIN INGRESS/EGREES AT SHARED ACCESS POINT FOR PROJECT
6. KEEP NOISE TO A LEVEL ACCEPTABLE TO OWNER. AND IN COMPLIANCE WITH LOCAL ORDINANCES.
7. REFER MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.

SITE GRADING PLAN GENERAL NOTES

1. PROVIDE PERVIOUS SIDEWALKS AS INDICATED ON PLANS. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
2. UTILITY DESIGN AND WORK BY DESIGN / BUILD CONTRACTOR.
3. GRADING AT ACCESSIBLE ROUTE TO COMPLY WITH COMM. CH. 69 DESIGN GUIDELINES.
4. FINISHED FLOOR ELEVATION = 1040'-0" ON ARCHITECTURAL DRAWINGS VERIFY ACTUAL ELEVATION WITH DESIGN / BUILD CONTRACTOR
5. ALL PROPERTY LINE BEARINGS AND LENGTHS BASED ON OWNER AND DESIGN / BUILD CONTRACTOR PROVIDED DATA.
6. VERIFY EXACT BUILDING PLACEMENT WITH GENERAL CONTRACTOR AND PROVIDED CIVIL ENGINEERING INFORMATION.
7. FOR DEMOLITION INFORMATION REFER TO ARCHITECTURAL DRAWINGS AND SD1.3
8. CONSTRUCTION SITE EROSION AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE DEPARTMENT OF NATURAL RESOURCES WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICES HANDBOOK (BMP HANDBOOK).
9. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
10. PERIODIC INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT LEAVING PROPERTY. EROSION CONTROL MEASURES SHALL BE IN WORKING CONDITION AT END OF EACH WORK DAY.
11. SILT FENCE SHALL BE INSTALLED IN ALL LOCATIONS WHERE POTENTIAL RUNOFF AND CONTAMINATION MAY OCCUR.
12. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
13. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCTION RAINFALL EVENT. ANY NEEDED REPAIRS REPAIRS SHALL SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL PROTECTION AS DESIGNED.
14. SEDIMENT IS TO BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES .05 FEET DEEP AT THE FENCE. REPAIR THE FENCE AS NECESSARY TO MAINTAIN BARRIER.
15. SEE ALL RELATED DETAILS AND REMAINING SHEETS SPECIFICATION FOR ADDITIONAL INFORMATION AND HOW IT RELATES TO THE SCOPE OF THE PROJECT.
16. ADDITIONAL GRADING OF GRASSED OR LANDSCAPED AREAS MAY BE REQUIRED DUE TO THE PLUMBING, SANITARY OR OTHER UNDERGROUND UTILITY WORK - REVIEW DOCUMENTS IN THEIR ENTIRETY TO DETERMINE FULL SCOPE OF WORK.
17. CONSTRUCTION LIMITS - FENCING AS REQUIRED.
18. ALL CONSTRUCTION, CONSTRUCTION TRAFFIC, DELIVERIES STORAGE OF MATERIALS, VEHICLES DUMPSTERS AND OTHER CONSTRUCTION RELATED ITEMS ARE TO BE LOCATED IN THIS AREA ONLY. PROTECT AND SURROUND AREA AS NECESSARY.
19. CONSTRUCTION ENTRY - RESTRICTED TO CONSTRUCTION PERSONNEL. CONSTRUCTION DELIVERIES AND PERSONNEL ARE TO USE THIS ENTRANCE ONLY.

SILT FENCE CONSTRUCTION:

1. CONSTRUCT SILT FENCE AROUND THE DISTURBED AREAS AS SHOWN ON PLAN. SHEET SD1.2. TO PREVENT SEDIMENT FROM BEING WASHED INTO STORM WATER DRAINAGE SYSTEM.
2. LOCATE SUPPORT POSTS DOWN SLOPE OF FILTER FABRIC TO HELP SUPPORT FENCING.
3. WHEN JOINTS ARE NECESSARY. SECURELY FASTEN THE FILTER FABRIC AT A SUPPORT POST AND OVERLAP SLICE TO THE NEXT POST.
4. SEDIMENT CONTROL FILTER FABRIC DESIGNED TO IMPEDE SILT FUN-OFF AND PREVENT TOP SOIL EROSION TO CONSIST OF NYLON POLYESTER, PROPYLENE, OR ETHYLENE YAM. MUST MEET WISDOT SPECIFICATIONS AND STANDARDS OF A MINIMUM 50 lb./LINEAR INCH GRAB TENSILE STRENGTH. A MINIMUM FLOW RATE OF 0.3 GALS./SQ. FT., AND SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS.
5. SEDIMENT CONTROL FILTER FABRIC SHALL BE ANCHORED BY SPREADING 8" OF FABRIC IN A 4"x4" TRENCH. LOOSE DIRT TO BE COMPACTED BACK IN TRENCH ON TOP OF FILTER FABRIC.
6. SEDIMENT CONTROL FILTER FABRIC SHALL BE FASTENED TO THE UP-SLOPE SIDE OF 2"x2"x3'-0" PINE POSTS. POSTS TO BE SPACED A MAXIMUM OF 6'-0" APART.
7. PROVIDE INLET GRATE SCREENS AS NEEDED, FIELD LOCATE ALL WITHIN AREA OF CONSTRUCTION SITE SILT FENCE. REFER TO DETAILS 2/SD1.2 - SSD1.2

SITE LEGEND

- POURED CONCRETE
- BUILDING FOOTPRINT
- PERVIOUS PAVER (REFER TO DETAIL 2/SD.1)
- AGGREGATE SPLASH STRIP
- DRY CREEK BED 4"-6" COBBLES
- PROPERTY LINE
- BUILDING SET BACK
- EXIT LOCATIONS
- ACCESSIBLE PATH OF TRAVEL
- EL. = XX'-X" SPOT ELEVATION
- TRACKING PAD

DIGGERS HOT LINE

WISCONSIN STATUTE 182.0175 (1974) REQUIRES A MINIMUM OF 3 DAYS NOTICE BEFORE YOU EXCAVATE (NOT INCLUDING SATURDAY, SUNDAY OR LEGAL HOLIDAYS)

UNDERGROUND SEWER AND UTILITY INFORMATION AS SHOWN IS OBTAINED FROM THE RECORDS OF MUNICIPALITY AND LOCAL UTILITY COMPANIES. THE ACCURACY OF WHICH CAN NOT BE GUARANTEED OR CERTIFIED TO. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS SURVEY ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

TO OBTAIN LOCATION OF PARTICIPANT'S UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONIN CALL THE MILWAUKEE UTILITY ALERT NETWORK (800)-242-8511, (262) 432-7910 (877) 500-9592 www.Diggershotline.com OR

811 Know what's below. Call before you dig.

LANDSCAPE PLAN GENERAL NOTES

PLANT MATERIAL SHOWN ON LANDSCAPE PLAN IS DEPICTED AT MATURE GROWTH.

1. AT LEAST SEVENTY-TWO HOURS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AS GIVEN BY THE ELECTRIC, GAS, TELEPHONE, WATER, SEWER, AND CABLE TELEVISION COMPANIES, UTILITIES OR ENTITIES. REVIEW WITH OWNER'S REPRESENTATIVE SITE MECHANICAL, SITE ELECTRICAL AND LIGHTING, SITE GRADING AND DRAINAGE, SITE IRRIGATION AND ALL OTHER DRAWINGS PERTAINING TO UNDERGROUND UTILITY LOCATIONS. RECORD SET OF INFORMATION THE SAME AS IN POSSESSION OF OWNER'S REPRESENTATIVE. ALSO REVIEW OWNER'S "MARK SETS" OF ALL OF THESE DRAWINGS IN POSSESSION OF THE CONTRACTOR OR OWNER. MARK ALL SUCH UTILITIES ON THE SITE PRIOR TO COMMENCING. COORDINATE WITH OWNER BEFORE AND DURING CONSTRUCTION. REPAIR ANY DAMAGE TO ANY SYSTEM THAT IS CAUSED BY LANDSCAPE CONTRACTOR AT NO COST TO OWNER.
2. ALL PLANTINGS SPECIFIED FOR THE WAUWATOSA VETERANS MEMORIAL PLAZA PROJECT PLANTING TABLES SHALL COMPLY WITH STANDARDS AS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK ANSI Z60.1 2014 AND ANSI STANDARDS FOR PLANTING 2012.
3. ALL DEVIATIONS FROM THE APPROVED WAUWATOSA VETERANS MEMORIAL PLAZA PROJECT PLANS SHALL BE NOTED ON THE RECORD DRAWINGS BY THE CONTRACTOR AND MAY BE EXECUTED ONLY WITH PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. VERBAL AGREEMENTS OR REVISIONS WITHOUT A CHANGE ORDER WILL NOT BE RECOGNIZED BY LANDSCAPE ARCHITECT AND OWNER.
4. ALL PLANTS MUST BE BID AND SELECTED PER THE SPECIES SPECIFIED ON THE PLANS. ANY SPECIES SUBSTITUTIONS MUST BE APPROVED IN WRITING BY LANDSCAPE ARCHITECT. THE SIZES OF PLANT MATERIAL LISTED HEREIN IS A MINIMUM ACCEPTABLE SIZE. ADDITIONALLY, IF EXCESSIVE PRUNING REDUCES THE CROWN THE PLANT SHALL BE REPLACED.
5. PROTECT PUBLIC FROM CONSTRUCTION WITH BARRIERS AND BARRICADES.
6. ALL AREAS THAT WERE DISTURBED DURING CONSTRUCTION AND AREAS NOT COVERED WITH PAVEMENT, BUILDING, PLANTING BEDS, OR TREE PITS ARE TO BE TOPSOILED 3" DEEP (MIN.) AND SHALL BE SODDED/SEEDED WITH SPECIFIED LAWN GRASS. LANDSCAPE CONTRACTOR SHALL INCLUDE COST PER SQUARE YARD FOR ADDITIONAL SEED OPERATIONS AS MAY BE POSSIBLY REQUIRED TO REESTABLISH ADJACENT TURF GRASS AREAS WHICH MAY BECOME DAMAGED DURING THE CONSTRUCTION PROCESS OR TO REPAIR DAMAGE DONE BY OTHERS.
7. CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL MATERIALS, TOOLS, EQUIPMENT, LABOR, AND PLANTS NECESSARY FOR PROPER PLANTING AND INSTALLATION OF ALL LANDSCAPE MATERIAL.
8. QUANTITIES ON PLANT MATERIALS LIST ARE FOR CONVENIENCE OF BIDDING ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON LANDSCAPE PLANS AND COVERAGE OF ALL AREAS DELINEATED. THE PLANS ARE TO SUPERSEDE THE PLANT LIST IN ALL CASES.
9. CONTRACTOR IS RESPONSIBLE FOR ALL ESTIMATING AND BIDDING, ALL AREAS, QUANTITIES MATERIALS SHOULD BE FIELD VERIFIED WITH SITE CONDITION.
10. WHERE DISCREPANCIES OCCUR BETWEEN THE LANDSCAPE PLANS AND/OR ARCHITECTURAL AND/OR THE CIVIL DRAWINGS (AND ANY OTHER SITE DRAWINGS) THE DISCREPANCIES MUST BE BROUGHT TO THE LANDSCAPE ARCHITECTS ATTENTION FOR COORDINATION AND RESOLUTION.
11. ALL DISEASED, NOXIOUS OR INAPPROPRIATE MATERIALS SHALL BE REMOVED FROM THE PROPOSED SITE PRIOR TO THE START OF CONSTRUCTION AND DURING THE MAINTENANCE PERIOD.
12. GENERAL CONTRACTOR SHALL LEAVE THE SITE FREE OF CONSTRUCTION DEBRIS.
13. ALL LAWN AND PLANTING AREAS SHALL SLOPE TO DRAIN A MINIMUM OF 2% UNLESS NOTED OTHERWISE AND REVIEWED WITH OWNER'S REPRESENTATIVE FOR FINAL APPROVAL.
14. FINISH GRADES FOR SHRUB AND GROUND COVER AREAS SHALL BE HELD 1" BELOW TOP OF ADJACENT PAVEMENTS AND CURBS, UNLESS NOTED OTHERWISE ON THE PLANS. REFER TO LSP1.2 FOR FURTHER INFORMATION.
15. ALL PERENNIAL, ANNUAL AND GROUND COVER AREAS TO RECEIVE A BLEND OF ORGANIC SOIL AMENDMENTS PRIOR TO PLANTING. TILL THE FOLLOWING MATERIALS INTO EXISTING TOPSOIL TO A DEPTH OF APPROXIMATELY 8". A DEPTH OF 12" IN TREE PITS. PROPORTIONS AND QUANTITIES MAY REQUIRE ADJUSTMENT DEPENDING ON THE CONDITION OF EXISTING SOIL. REFER TO LSP1.2 FOR FURTHER INFORMATION.
   PER EVERY 100 SQUARE FEET ADD: ONE - 2 CUBIC FOOT BALE OF PEAT MOSS, 2 POUNDS OF 5 -10 -5 GARDEN FERTILIZER, 1/4 CUBIC YARD OF COMPOSTED MANURE OR OTHER COMPOSTED, ORGANIC MATERIAL.
16. ALL SHRUBS TO BE POCKET PLANTED WITH A 50/50 MIX OF COMPOSTED, ORGANIC MATERIAL AND EXISTING SOIL. INSTALL TOPSOIL INTO ALL BEDS AS NEEDED TO ACHIEVE PROPER GRADE. REMOVE ALL EXCESSIVE GRAVEL, CLAY AND STONES. REFER TO LSP1.2 FOR FURTHER INFORMATION.
17. PLANT ALL TREES SLIGHTLY HIGHER THAN FINISHED GRADE AT ROOT FLARE. BACK FILL HOLE WITH 2/3 EXISTING TOPSOIL AND ORGANIC SOIL AMENDMENTS SPECIFIED IN NOTE 15. AVOID ANY AIR POCKETS. DISCARD ANY GRAVEL CLAY OR STONES. REFER TO LSP1.2 FOR FURTHER INFORMATION.
18. ALL TREES TO BE INSTALLED, STAKED AND GUYED ACCORDING TO DETAILS. REFER TO ANSI STANDARDS FOR PLANTING 2012 AND DETAILS ON LSP1.2 FOR FURTHER INFORMATION.
19. PROVIDE A 4'-0" - 5'-0" DIAMETER MULCH RING AT THE ROOT BALL FLARE OF ALL LAWN TREES.
20. ALL PLANTINGS TO BE WATERED AT THE TIME OF PLANTING, THROUGHOUT CONSTRUCTION AND UPON COMPLETION OF PROJECT AS REQUIRED.
21. WHERE SPECIFIED, ALL PLANT BEDS, PITS AND TREE RINGS ARE TO RECEIVE A MINIMUM OF 2" - 3" DRESSING OF SHREDDED HARDWOODM OAK BARK MULCH SHAVINGS FREE OF GROWTH, WEEDS, FOREIGN MATTER DETRIMENTAL TO PLANT LIFE OR GERMINATION INHIBITING INGREDIENTS. LANDSCAPE CONTRACTOR TO PROVIDE A SAMPLE TO OWNER FOR APPROVAL. CONTRACTOR TO TAKE CARE WITH INSTALLATION NOT TO DAMAGE OR COVER PLANTS. REFER TO LSP1.2 FOR FURTHER INFORMATION.
22. LAWN INSTALLATION: CONTRACTOR TO FURNISH AND PREPARE TOPSOIL (3" MIN) AND SEED BED (REMOVE ALL STONES 1" OR LARGER), APPLY STARTER FERTILIZER AND SEED UNIFORMLY. PROVIDE A MULCH COVERING SUITABLE TO GERMINATE AND ESTABLISH TURF. EROSION CONTROL MESH SHOULD BE USED IN SWALES AND STEEP GRADES WHERE APPLICABLE. METHODS OF INSTALLATION MAY VARY AT THE DISCRETION OF CONTRACTOR. IT IS HIS/HER RESPONSIBILITY TO ESTABLISH AND GUARANTEE A SMOOTH, UNIFORM, QUALITY TURF. IF STRAW MULCH IS USED AS A COVERING, A TACKIFIER MAY BE NECESSARY TO AVOID WIND DAMAGE.
23. **DELUXE 50 GRASS SEED MIX REINDER'S (800) 785-3301**
    20% KENTUCKY BLUE GRASS
    15% NEWPORT KENTUCKY BLUE GRASS
    15% SR 2100 Kentucky Bluegrass
    25% Creeping Red Fescue
    15% Replicator Perennial Ryegrass
    10% Fiesta 4 Perennial Ryegrass
    APPLY AT A RATE OF 200 POUNDS PER ACRE. REFER TO SUPPLIERS SPECIFICATIONS & INSTALLATION CUT SHEETS FOR FURTHER FORMATION
24. DURING THE INITIAL "30 DAY MAINTENANCE PERIOD" THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE AND ON-GOING PLEASANT VISUAL ENVIRONMENT WHEREAS ANY PLANT WHICH IS NOT RESPONDING TO TRANSPLANTING OR THRIVING SHALL IMMEDIATELY BE REPLACED. NEW LAWNS SHALL BE WATERED AND REPAIRED AND WEEDS MUST CONSTANTLY BE REMOVED, NO EXCEPTIONS WILL BE GRANTED.
    MAINTENANCE NOTE:
    MAINTENANCE IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN REQUIRED LANDSCAPING IN ACCORDANCE WITH THE MUNICIPALITY'S PROPERTY MAINTENANCE CODE AND AN APPROVED MAINTENANCE PLAN. THE MAINTENANCE MUST INCLUDE, AT A MINIMUM, METHODS FOR PROVIDING THE FOLLOWING:
    - NECESSARY IRRIGATION (if REQUIRED)
    - INTEGRATED PEST MANAGEMENT,
    - PROPER FERTILIZATION
    - TREE CARE AND PRUNING, SHRUB TIP CLIPPING AND SHAPING AS REQUIRED
    - REPLACEMENT OF LOST VEGETATION, AND ALL DISEASED, DAMAGED, OR DEAD MATERIAL WILL BE REPLACED BY THE END OF THE FOLLOWING PLANTING SEASON IN PERPETUITY.
    - WEED MANAGEMENT AND BED CARE.
25. ALL NEWLY PLANTED TREES AND SHRUBS ARE TO RECEIVE AN APPLICATION OF AN ANTI-TRANSPLANT SPRAY THAT WILL EFFECTIVELY REDUCE THE WATER LOSS OF TRANSPIRATION OF PLANT MATERIAL AND REDUCE THE STRESS OF TRANSPLANTATION. IT IS RECOMMENDED AS PART OF THE ONGOING MAINTENANCE THAT ANY BROADLEAF EVERGREEN AND CONIFEROUS TREE AND SHRUBS (EXCLUDING ARBORVITAE) RECEIVE AN APPLICATION OF AN ANTI-DESICCANT SPRAY TO REDUCE THE LOSS OF MOISTURE DUE TO WINTER DESICCATION.
26. MAINTENANCE. THE OWNER SHALL TEND AND MAINTAIN ALL PLANT MATERIALS IN A HEALTHY GROWING CONDITION AS PER THE APPROVED PLAN. PLANTINGS SHALL BE REPLACED WHEN NECESSARY AND KEPT FREE FROM REFUSE & DEBRIS. ALL PLANTING MATERIAL WHICH IS DYING OR DAMAGED BEYOND RECOVERY SHALL BE REPLACED WITHIN SIX (6) MONTHS OR BY THE NEXT PLANTING SEASON, WHICHEVER COMES FIRST. CONTRACTOR TO PROVIDE 1 YEAR PLANT MATERIAL WARRANTY.
27. LANDSCAPE / SITE DEMOLITION CONTRACTOR TO VERIFY LOCATIONS OF EXISTING TREES AND SHRUBS TO BE

INSITE LANDSCAPE DESIGN

Landscape Consulting
& Master Planning Design Sevices

11525 W. North Avenue, Suite 1B
Wauwatosa, WI 53226
Tel (414) 476-1204
www.insitedesigninc.com
mdavis@insitedesigninc.com

Project for:

WAUWATOSA
VETERANS COMMITTEE

Wauwatosa, WI

Project:

WAUWATOSA
VETERANS MEMORIAL
at HART PARK

72nd Street - Hart Park
Wauwatosa, WI 53226

Issuance and Revisions:

Date	Number	Description
06/05/23		Client Review Submittal
06/29/23		Parks Dept Prelim Meeting
07/17/23		Parks Dept Meeting
08/28/23		Client Review Submittal
09/20/23		Phase I Construction Document Submittal
08/26/25		Design Review Board Submittal
09/09/25		Revisions based on Staff Review Comments / Design Review Board Re-Submittal

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Sheet Title:

PROPOSED PLAZA PLAN SET
GENERAL NOTES AND
SITE INFORMATION,

Date of Drawing:	09/09/25
Scale:	1" = 20'-0"
Drawn By:	MCD
Job Number:	L23-025
Sheet Number:	LGD0.1

CONSTRUCTION SET USE NO OTHER- DO NOT SCALE THESE DRAWINGS-

L23-025 -WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025

THIS SHEET FOR REFERENCE ONLY:
ITEMS SHOWN ON THIS SHEET DO NOT NECESSARILY REPRESENT WORK BEING COMPLETED UNDER THIS CONTRACT. SEE OTHER SHEETS FOR SCOPE OF WORK.

MATERIAL ON THIS SHEET IS TAKEN DIRECTLY FROM THE FOLLOWING SOURCES:
-ICC/ANSI A117.1-2003
INTERNATIONAL CODE COUNCIL
AMERICAN NATIONAL STANDARD INSTITUTE -2010 ADA STANDARDS - SEP. 15TH, 2010
DEPARTMENT OF JUSTICE CODE OF FEDERAL REGULATIONS ADA STANDARDS FOR ACCESSIBLE DESIGN
-ACCESSIBILITY GUIDELINES JULY 23, 2004
UNITED STATES ACCESS BOARD AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES

THE MATERIAL THOUGH IS NOT IN ITS ORIGINAL ENTIRETY AND THE INTENT OF THIS PAGE IS TO POINT OUT THE MOST IMPORTANT & PREVALENT ISSUES STATED IN THE ABOVE MENTIONED SOURCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW THE ORIGINAL SOURCES TO THEIR ENTIRETY.

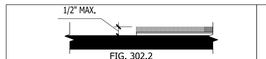


FIG. 302.2
CARPET ON FLOOR SURFACES

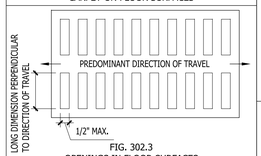


FIG. 302.3
OPENINGS IN FLOOR SURFACES

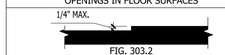
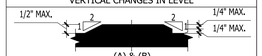
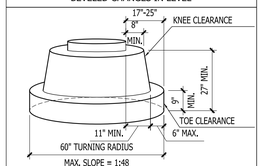


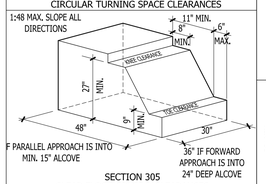
FIG. 303.2
VERTICAL CHANGES IN LEVEL



(A) & (B)
FIG. 303.3
BEVELED CHANGES IN LEVEL



SECTION 304.3.1
CIRCULAR TURNING SPACE CLEARANCES



SECTION 305
CLEAR FLOOR SPACE & CLEARANCES

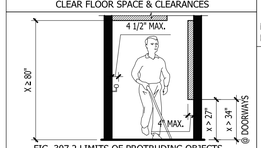


FIG. 307.2 LIMITS OF PROTRUDING OBJECTS

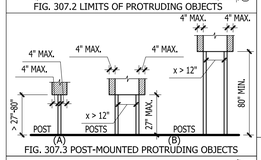
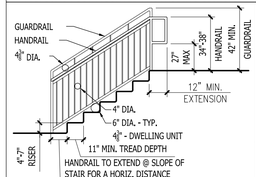


FIG. 307.3 POST-MOUNTED PROTRUDING OBJECTS



NOTES:
1) EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.
2) GUARDRAILS REQUIRED WHERE ADJACENT GRADE CHANGES ARE 30 INCHES OR GREATER.
3) GUARDRAIL SPINDLES TO BE SPACED TO PREVENT THE PASSAGE OF A FOUR (4) INCH DIA. SPHERE. THIS SHALL APPLY UP TO A MINIMUM HEIGHT OF 34 INCHES. GUARDRAIL CONSTRUCTION TO PREVENT THE PASSAGE OF A 4 3/8 INCH DIA. SPHERE. AT HEIGHTS ABOVE 34". TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD, AND BOTTOM RAIL OF THE GUARDRAIL SHALL BE CONSTRUCTED TO PREVENT THE PASSAGE OF A SIX (6) INCH DIA. SPHERE TYP, 4 3/8 INCH DIA. SPHERE @ DWELLING UNITS

FIGS. 504.2, 505.4, 505.10.2, & 505.10.3
TREADS, RISERS, AND HANDRAILS FOR ACCESSIBLE STAIRWAYS

NOTE: SEE FIG. 405.9 FOR GUARDRAIL REQUIREMENTS

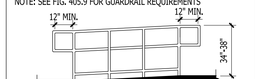


FIG. 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSION AT RAMPS

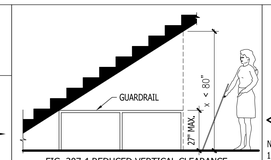


FIG. 307.4 REDUCED VERTICAL CLEARANCE

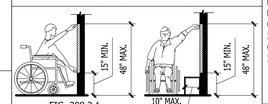


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

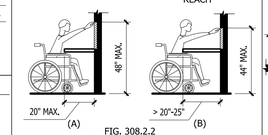
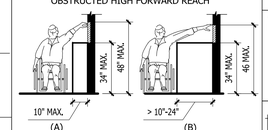


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH



NOTE: ALL OPERABLE PARTS REQUIRED TO BE ACCESSIBLE SHALL BE WITHIN THE RANGES OF FIGURES 308.2.1 THRU 308.3.2.
FIG. 308.3.2 OBSTRUCTED HIGH SIDE REACH

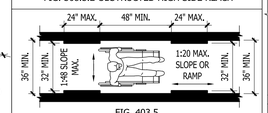
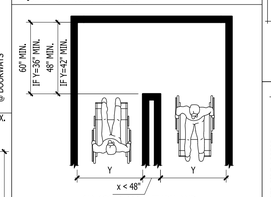


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE
NOTE: PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES



(A) 180 DEGREE TURN AND
(B) 180 DEGREE TURN (EXCEPTION)
FIG. 403.5.1 CLEAR WIDTH AT TURN

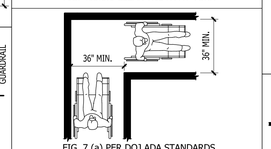
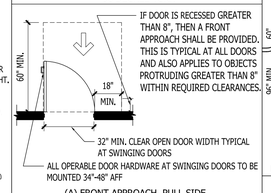


FIG. 7 (a) PER DOJ ADA STANDARDS
90 DEGREE TURN



(A) FRONT APPROACH, PULL SIDE
FIG. 404.2.3.2 MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS

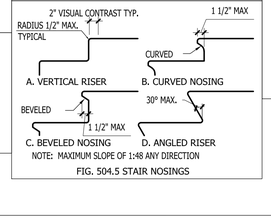
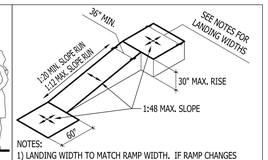
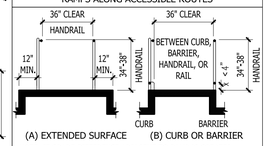


FIG. 504.5 STAIR NOSINGS



NOTES:
1) LANDING WIDTH TO MATCH RAMP WIDTH. IF RAMP CHANGES DIRECTION, THEN LANDING MUST BE 60" WIDE. IF LANDING IS AT DOOR, THEN LANDING WIDTH MUST ACCOMMODATE REQUIRED DOOR CLEARANCES.
2) CLEAR FLOOR AREAS REQUIRED AT DOORS STILL APPLY AT DOORS ON LANDINGS, BUT MAY OVERLAP LANDING DIMENSIONS.
3) HANDRAILS REQUIRED FOR RAMPS RISING 6" OR MORE.

SECTION 405
RAMPS ALONG ACCESSIBLE ROUTES



NOTE: IF GRADE DIFFERENCE ADJACENT TO RAMP IS GREATER THAN 30", THEN A GUARDRAIL IS ALSO REQUIRED PER INTERNATIONAL BUILDING CODE
FIG. 405.9 RAMP EDGE PROTECTION

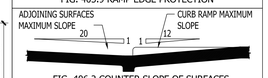
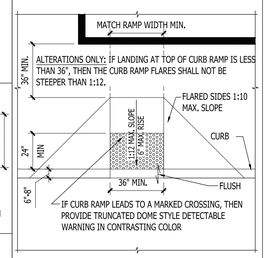
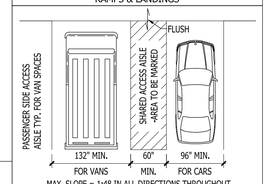


FIG. 406.2 COUNTER SLOPE OF SURFACES ADJACENT TO CURB



NOTE: REFER TO CODE FOR RAMPS IN SERIES, CORNER, DIAGONAL, AND ISLAND RAMPS.
FIG. 406.3 & 406.7 SIDES OF CURB RAMPS & LANDINGS



MAX. SLOPE = 1:48 IN ALL DIRECTIONS THROUGHOUT SPACES AND AISLES
FIGS. 502.2 & 502.4
VEHICLE PARKING SPACE SIZE AND ACCESS AISLE

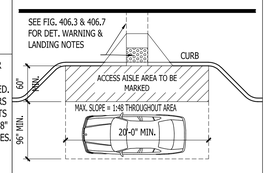
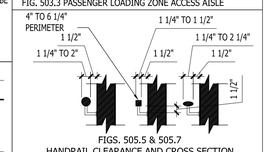
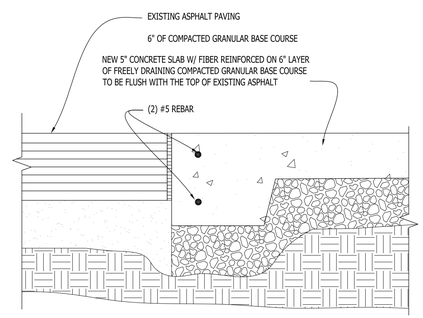


FIG. 503.3 PASSENGER LOADING ZONE ACCESS AISLE

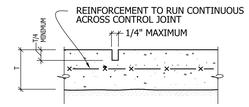


FIGS. 505.5 & 505.7
HANDRAIL CLEARANCE AND CROSS SECTION

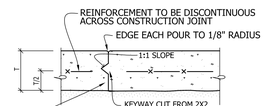
CONCRETE INSTALLER NOTE:
Concrete Contractor to refer to City standard Concrete sidewalk details for further information. Installation must be constructed in accordance with City Standard Concrete Specifications.



1 NEW REINFORCED CONCRETE/EXISTING ASPHALT JOINT
SCALE: 1 1/2" = 1'-0"



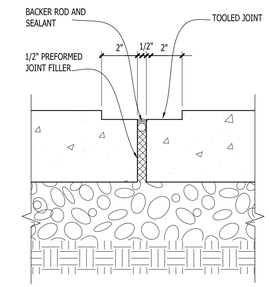
CONTROL JOINT



CONSTRUCTION JOINT

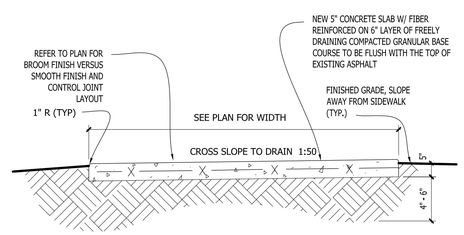
NOTES:
1) SLABS TO BE PLACED USING THE LONG STRIP CONSTRUCTION METHOD.
2) REFER TO GENERAL NOTES, SPECIFICATIONS AND / OR DRAWINGS FOR SUBGRADE PREPARATION REQUIREMENTS.
3) SLAB REINFORCEMENT, IF OTHER THAN WWF, SHALL BE CHAIRED BY SOIL SUPPORTED SLAB BOLSTERS.

2 SLAB-ON-GRADE JOINT DETAILS
SCALE: NONE



3 EXPANSION JOINT IN CONCRETE
SCALE: 3" = 1'-0"

CONCRETE INSTALLER NOTE:
Concrete Contractor to refer to City standard Concrete sidewalk details for further information. Installation must be constructed in accordance with City Standard Concrete Specifications.



4 CONCRETE SIDEWALK CROSSSECTION
SCALE: 1/2"=1'-0"

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& Master Planning Design Consulting
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mdavis@insitelandscape.com

Project for:

WAUWATOSA
VETERANS COMMITTEE

Wauwatosa, WI

Project:

WAUWATOSA
VETERANS MEMORIAL
at HART PARK

72nd Street - Hart Park
Wauwatosa, WI 53226

Issuance and Revisions:

Date	Number	Description
06/05/23		Client Review Submittal
06/29/23		Parks Dept Prelim Meeting
07/17/23		Parks Dept Meeting
08/28/23		Client Review Submittal
09/20/23		Phase I Construction Document Submittal
08/26/25		Design Review Board Submittal
09/09/25		Revisions based on Staff Review Comments / Design Review Board Re-Submittal

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Sheet Title:

ACCESIBILITY GUIDELINES
AND SITE DETAILS

Date of Drawing: 09/09/25
Scale: As Noted
Drawn By: MCD
Job Number: L23-025
Sheet Number:

AGL0.2

CONSTRUCTION SET USE NO OTHER- DO NOT SCALE THESE DRAWINGS-

L23-025 -WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025

CODED SITE PLAN / HARDSCAPE CONSTRUCTION NOTES

1. PROVIDE RESERVED PARKING SIGN IN ACCORDANCE WITH TRANS. 200.07 OF THE WISCONSIN ADMINISTRATIVE CODE. 12"x18" min. SIZE REQUIRED AT EACH H.C. ACCESSIBLE PARKING STALL (REFER TO AGL1.0)

1A. PROVIDE RESERVED VAN ACCESSIBLE PARKING SIGN IN ACCORDANCE WITH TRANS. 200.07 OF THE WISCONSIN ADMINISTRATIVE CODE. 12"x18" min. SIZE REQUIRED AT EACH H.C. ACCESSIBLE PARKING STALL (REFER TO AGL1.0)

2. ACCESSIBLE PARKING AND ACCESSIBLE PAVED AREA: AREA SHALL HAVE A SLOPE NO GREATER THAN 1:50 (2%) IN ANY DIRECTION, AND SHALL BE SLOPED TO DRAIN AWAY FROM CURBS AND/OR SIDEWALKS.

3. PAINTED INTERNATIONAL SYMBOL OF ACCESSIBILITY IN ACCORDANCE WITH ADAAG 4.30.7(1). (REFER TO DETAIL 2/AGL1.0)

4. PROVIDE 4" WIDE PAINTED STRIPING AS INDICATED ON PLAN. PAINT SHALL BE "TRAFFIC YELLOW" PL-4666.

5. SIDEWALK TO BE FLUSH WITH PARKING LOT PAVING AT (STRIPED) ACCESSIBLE WALK PATH

6. ACCESSIBLE PATH OF TRAVEL TO COMPLY WITH COMM. CH 69.23.

7. PRECAST CONCRETE WHEEL STOP. ANCHOR THROUGH PAVING INTO SUB-GRADE WITH (2) 24" LONG #6'S - TYPICAL AT ALL ACCESSIBLE PARKING STALLS. REFER DETAIL 5/AGL0.1 (2 TOTAL)

8. CITY PROVIDED, CITY STANDARD PARK BENCHES

9. CITY PROVIDED, CITY STANDARD TRASH RECEPTACLES

10. NEW 4' THICK x 10'-0" WIDE. REINFORCED CONCRETE SIDEWALK, POURED ON GRADE w/ 6x6-W2.9xW2.9 WWF REINFORCEMENT, ON TOP OF A MINIMUM OF 6" OF FREELY DRAINING COMPACTED GRANULAR FILL BASE COURSE. CONTRACTOR TO VERIFY SLOPE OF NEW WALKWAY TO PROMOTE PROPER DRAINAGE AWAY AND THAT IT IS AT A PROPER SLOPE FOR ANY ACCESSIBLE ROUTE. ACCESSIBLE PATH OF TRAVEL TO COMPLY WITH COMM. CH 69.23. REFER TO SHEET AGL0.1 FOR FURTHER INFORMATION.

11. POTENTIAL LOCATION FOR LOW VOLTAGE LIGHTING TRANSFORMER FOR LIGHTING AND CONTROLS. GENERAL CONTRACTOR TO COORDINATE LOCATION OF EXTERIOR / WATER PROOF GFCI OUTLETS FOR PROPOSED NEW TRANSFORMER LOCATION WITH ELECTRICAL CONTRACTOR AND LOW VOLTAGE LIGHTING INSTALLER. REFER TO LGT1.1 FOR LIGHT TYPE AND LOCATIONS, FOR ALL SLEEVE LOCATIONS AND LOW VOLTAGE LIGHTING INSTALLER'S NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION. PROVIDE CONCEALMENT ARTIFICIAL ROCK OR LOCKING IN GRADE VAULT FOR TRANSFORMER.

12. HATCH PATTERN REPRESENTS 746 SQUARE FEET OF GIFT BRICKS: REGIMENTAL RED COLORED CLAY BRICKS, ENGRAVED AND FILLED WITH BLACK EPOXY. *(NOT INCLUDING 8X8 ONYX COLORED SOLDIER COURSE ACCENT BORDER)* GIFT BRICKS CONTACT INFORMATION: (800) 537-5579 / engrave@giftbricks.com. REFER TO MANUFACTURER'S INSTALLATION INFORMATION. CIVIL ENGINEERING DRAWINGS AND DETAIL 3/SD1.3 FOR FURTHER INFORMATION.

13. SHADED BANDS REPRESENT NEW CHARCOAL COLORED SHOULDER COURSE ACCENT BAND PAVER (4.25"x8.5"x2.375") FROM UNILOCK PRODUCTS. PAVERS TO BE INSTALLED WITH BLACK POLYSWEEP POLYMERIC JOINT SAND & ARE TO BE SEALED WITH SEK SUREBOND SEALER THAT IS COMPATABLE WITH WET CAST CONCRETE. USE WITH BLACK POLMERIC JOINTING SAND. GENERAL CONTRACTOR TO COORDINATE WITH CONCRETE FLATWORK INSTALLER REGARDING PREFERRED METHOD OF INSTALLING COBBLES IN AND ALONG THE POURED CONCRETE SIDEWALK.
UNILOCK PRODUCTS CONTACT INFORMATION: Noah Bachofen, (414) 422-3276, Noah.Bachofen@unilock.com.
DISTRIBUTOR INFORMATION: Nathan Leinweber (414) 481-9600, Thebrickyard@att.net.
REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 3/SD1.3 FOR FURTHER INFORMATION.

14. ADDITIONAL 7.5" WIDE SHADED BANDS REPRESENT NEW DARK CHARCOAL COLORED RUMBLE STRIP. DOUBLE ROW OF NORDIC PERMEABLE PAVER (3.5"x3.75"x2.375") FROM UNILOCK PRODUCTS. USE WITH BLACK POLMERIC JOINTING SAND. GENERAL CONTRACTOR TO COORDINATE WITH CONCRETE FLATWORK INSTALLER REGARDING PREFERRED METHOD OF INSTALLING COBBLES IN AND ALONG THE POURED CONCRETE SIDEWALK.
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REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 3/SD1.3 FOR FURTHER INFORMATION.

15. TWO - 20' LONG x 22" TALL x 12" DEEP POURED RADIUSED, REINFORCED CONCRETE SEAT WALLS. PROVIDED WEEPS ALONG BASE OF SEAT WALL. REFER TO 4/SD1.3 FOR FURTHER INFORMATION

16. NEW 18" DIAMETER x 4'-0" DEEP, REINFORCED CONCRETE FOOTING, (10 TOTAL, 5 PER SIDE) FOR FUTURE PHASE SLOPED, SEGMENTED CEDAR PERGOLA. IN TOP OF FOOTING, RUN CURVED 1" DIAMETER PVC SLEEVE, ONE FOOTING SLEEVE PER SIDE OF THE TWO NEW 4 SEGMENTED CEDAR PERGOLA'S w/ (5) NL LED LOW VOLTAGE DOWN LIGHTS AT EACH OF (5) COLUMNS - COLUMN CENTERLINE RADIUS = R32'-0". (4) EQUAL SEGMENT LENGTH = 12'-5 7/8" PER SIDE. STAINED AND SEALED IN PECAN FINISH. REFER TO LIGHTING PLANS AND SCHEDULES FOR FURTHER INFORMATION REGARDING LIGHT FIXTURES AND SLEEVE FOR LOW VOLTAGE WIRE. REFER TO AND TO 4/SD1.3 FOR FURTHER INFORMATION.

17. POLE MOUNTED SECURITY CAMERA ON CONCRETE BASE, POLE TO MATCH OTHER CITY STANDARD POLES USED THROUGHOUT HART PARK AND ONE ADJACENT AT SKATE PARK. COLOR AND HEIGHT TO MATCH EXISTING. GC TO COORDINATE POWER REQUIREMENTS AND LIVE FEED TO WPD AS REQUIRED.

18. GENERAL CONTRACTOR TO COORDINATE LOCATION OF (3) EXTERIOR / WATER PROOF GFCI DUPLEX OUTLETS WITH ELECTRICAL CONTRACTOR

19. NEW 10'-0" WIDE, PLAZA APPROACH SIDEWALKS, POURED ON GRADE w/ 6x6-W2.9xW2.9 WWF REINFORCEMENT, ON TOP OF A MINIMUM OF 6" OF FREELY DRAINING COMPACTED GRANULAR FILL BASE COURSE. ALIGN NEW WITH EDGE OF FLUSH WITH EXISTING ASPHALT SIDEWALK. CONTRACTOR TO VERIFY SLOPE OF NEW WALKWAY TO PROMOTE PROPER DRAINAGE AWAY AND THAT IT IS AT A PROPER SLOPE FOR ANY ACCESSIBLE ROUTE. ACCESSIBLE PATH OF TRAVEL TO COMPLY WITH COMM. CH 69.23. REFER TO SHEET AGL0.1 FOR FURTHER INFORMATION. BOTH APPRAOCH SIDEWALKS ARE NORDIC PERMEABLE PAVER (3.5"x3.75"x2.375") FROM UNILOCK PRODUCTS. USE WITH SEK PERMCHIP PERMEABLE PAVER AGGREGATE FOR INFILTRATION IN ECLIPSE BLACK COLOR. SHADED BANDS IN APPROACH SIDEWALK REPRESENT NEW CHARCOAL COLORED SHOULDER COURSE ACCENT BAND HOLLAND PAVER (4.25"x8.5"x2.375") FROM UNILOCK PRODUCTS.
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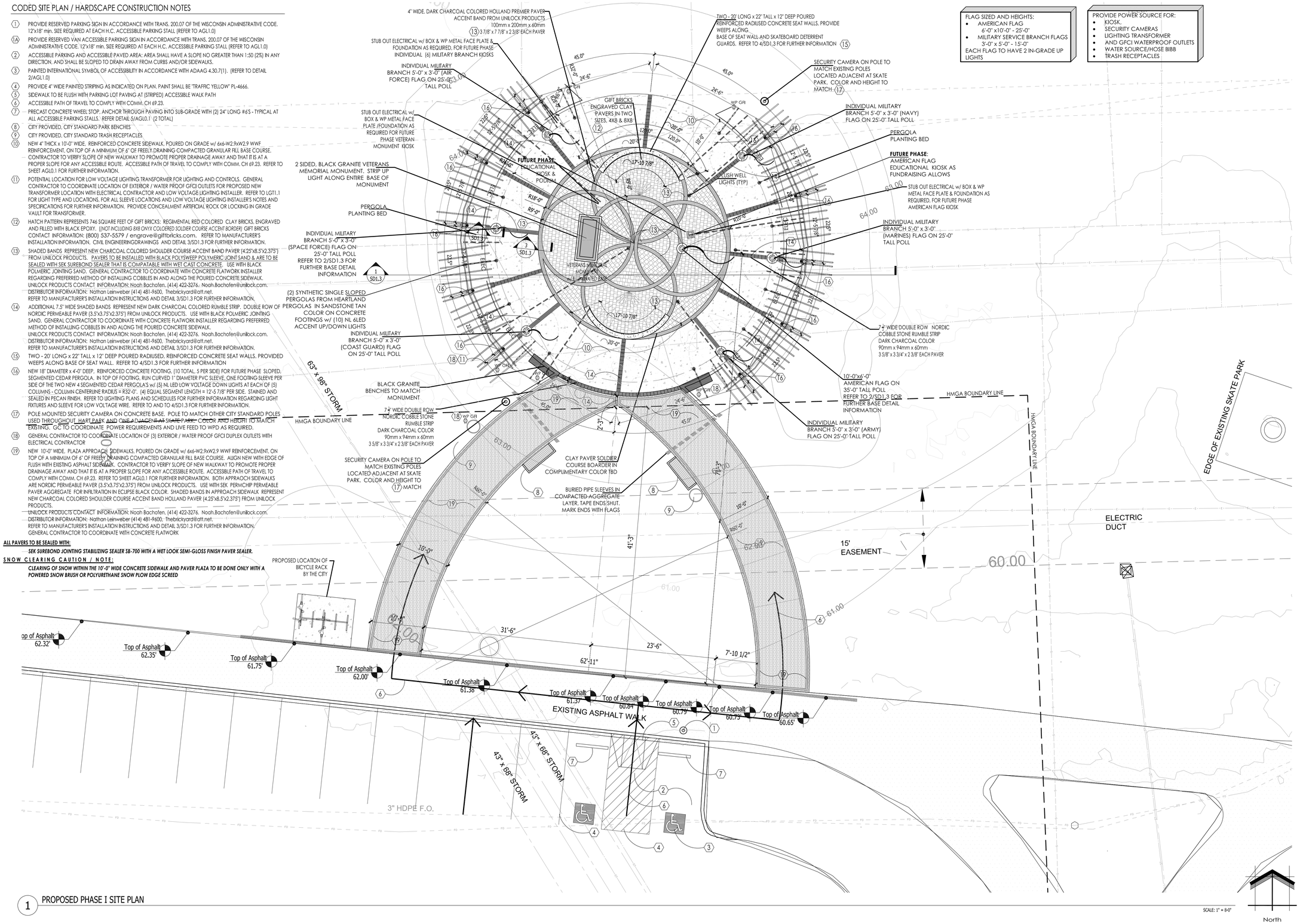
REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 3/SD1.3 FOR FURTHER INFORMATION.
GENERAL CONTRACTOR TO COORDINATE WITH CONCRETE FLATWORK

ALL PAVERS TO BE SEALED WITH:

SEK SUREBOND JOINTING STABILIZING SEALER SB-700 WITH A WET LOOK SEMI-GLOSS FINISH PAVER SEALER.

SNOW CLEARING CAUTION / NOTE:

CLEARING OF SNOW WITHIN THE 10'-0" WIDE CONCRETE SIDEWALK AND PAVER PLAZA TO BE DONE ONLY WITH A POWERED SNOW BRUSH OR POLYURETHANE SNOW PLOW EDGE SCREED



1 PROPOSED PHASE I SITE PLAN

FLAG SIZED AND HEIGHTS:
- AMERICAN FLAG 6'-0" x10'-0" - 25'-0"
- MILITARY SERVICE BRANCH FLAGS 3'-0" x 5'-0" - 15'-0"

EACH FLAG TO HAVE 2 IN-GRADE UP LIGHTS

PROVIDE POWER SOURCE FOR:
- KIOSK.
- SECURITY CAMERAS
- LIGHTING TRANSFORMER
- AND GFCI WATERPROOF OUTLETS
- WATER SOURCE/HOSE BIBB
- TRASH RECEPTACLES

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mdavis@insitedesigninc.com

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WAUWATOSA VETERANS COMMITTEE

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Project:

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Sheet Title:

PROPOSED LANDSCAPE PLAN, GENERAL NOTES, AND PLANT MATERIAL TABLE

Date of Drawing:	09/09/25
Scale:	1" = 8'-0"
Drawn By:	MCD
Job Number:	L23-025
Sheet Number:	SD1.1

L23-025 -WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025

PLAZA AREA OF IMPERVIOUS SURFACE:	2463 SQUARE FEET
APPROACH SIDEWALKS PERVIOUS SURFACE:	1282 SQUARE FEET
TOTAL AREA OF DISTURBANCE:	17,100 SQUARE FEET
	0.39 ACRES

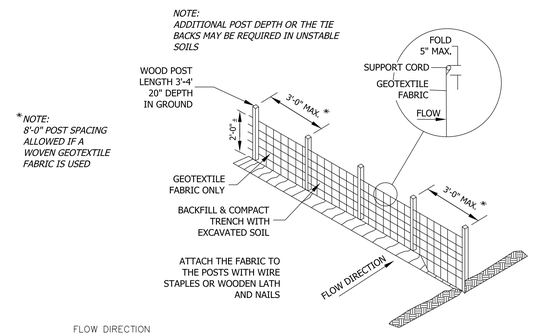
- General Contractor to **obtain written permission must be obtained from the City of Wauwatosa Building and Safety Division prior to modifying the erosion control plan.**
- All disturbed ground left inactive for seven or more days shall be stabilized by temporary or permanent seeding, temporary or permanent seeding and mulching, sodding, covering with tarps, or equivalent best management practices. If temporary seeding is used, a permanent cover shall also be required as part of the final site stabilization.
- General Contractor to notify the City Engineering Services Division (414-479-8927) within two working days of commencing any land development or land disturbing activity.

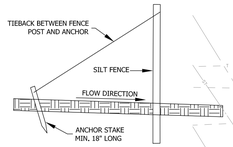
EROSION CONTROL KEY

1. STAKED HAY BALES (TEMP)
2. SILT FENCE
3. CONSTRUCTION EXIT

MAINTENANCE PLAN

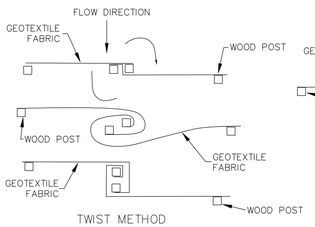
1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY ½" RUNOFF-PRODUCTION RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES ABOUT 0.5 FT. DEEP AT THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
3. ALL SEEDED AREAS WILL BE WATERED, FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
4. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING BEFORE THE END OF EACH DAY.





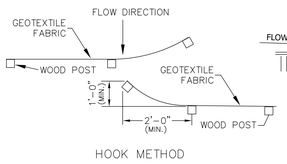
SILT FENCE TIE BACK

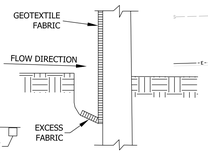
PER DNR CPS (1056)



JOINTING TWO LENGTHS OF SILT FENCE

PER DNR CPS (1056)





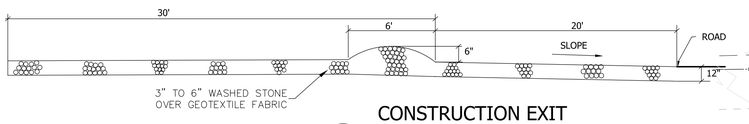
TRENCH DETAIL

PER DNR CPS (1056)

2 SILT FENCE

PER WDNR TECHNICAL STANDARD 1056

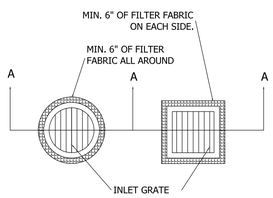
NOT TO SCALE

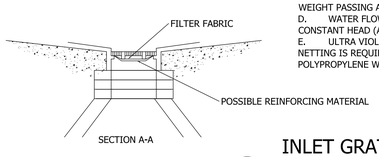


3 CONSTRUCTION EXIT

PER WDNR TECHNICAL STANDARD 1057

NOT TO SCALE





1. REMOVE INLET GRATE AND PLACE A SINGLE SHEET OF FILTER FABRIC ACROSS THE OPENING. THE FABRIC SHOULD EXTEND AT LEAST 6" BEYOND THE INLET OPENING. A REINFORCING MATERIAL MAY BE REQUIRED TO PREVENT SAGGING.

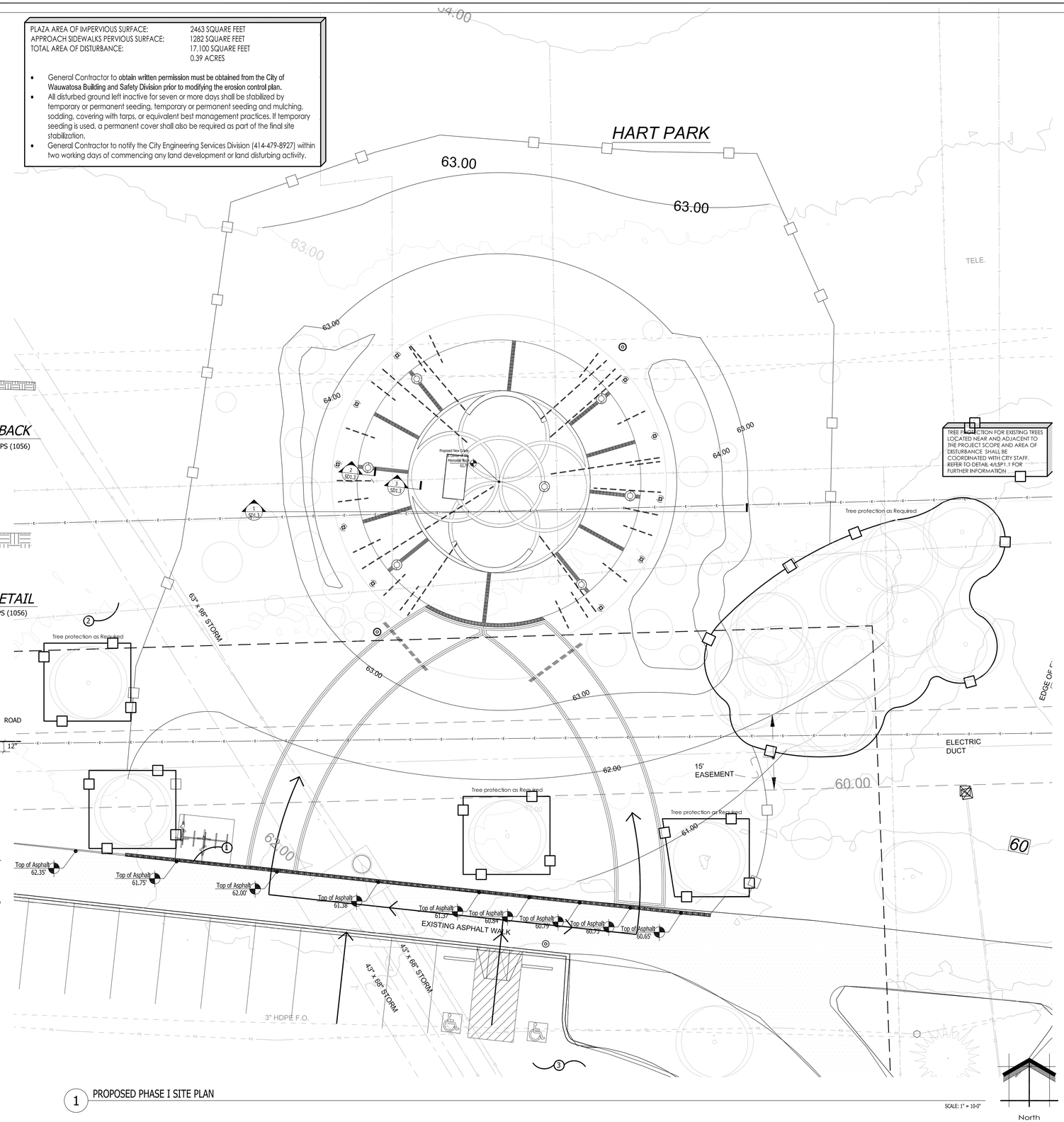
2. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR AT A DEPTH OF 1". EXTREME CARE SHALL BE TAKEN NOT TO SPILL ACCUMULATED SEDIMENT INTO INLET, WHEN CLEANING OR REPLACING FILTER FABRIC.

3. FILTER FABRIC SHALL HAVE THE FOLLOWING PROPERTIES:
A. GRAB STRENGTH: 100LBS. (ASTM D-3786)
B. MULLEN BURST: 200 PSI (ASTM D-3786)
C. EQUIVALENT OPENING SIZE: BETWEEN 50 AND 140 FOR SOILS WITH MORE THAN 15 PERCENT BY WEIGHT PASSING A NO. 200 SIEVE. BETWEEN 20 AND 50 FOR SOILS WITH LESS THAN 15 PERCENT BY WEIGHT PASSING A NO. 200 SIEVE.
D. WATER FLOW RATE OF 10 GAL/MIN./SQ.FT. AT 50 MM CONSTANT HEAD (ASTM D-4491)
E. ULTRA VIOLET RADIATION STABILITY OF 90% F. IF SUPPORT NETTING IS REQUIRED, NETTING SHALL BE AN INDUSTRIAL POLYPROPYLENE WITH A 3/4 INCH SPACING OR EQUIVALENT.

4 INLET GRATE SCREEN

PER WDNR TECHNICAL STANDARD 1060

NOT TO SCALE



1 PROPOSED PHASE I SITE PLAN

InSite Landscape Design

Landscape Consulting & Master Planning Design Sevices

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Wauwatosa, WI 53226
Tel (414) 476-1204
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Wauwatosa, WI

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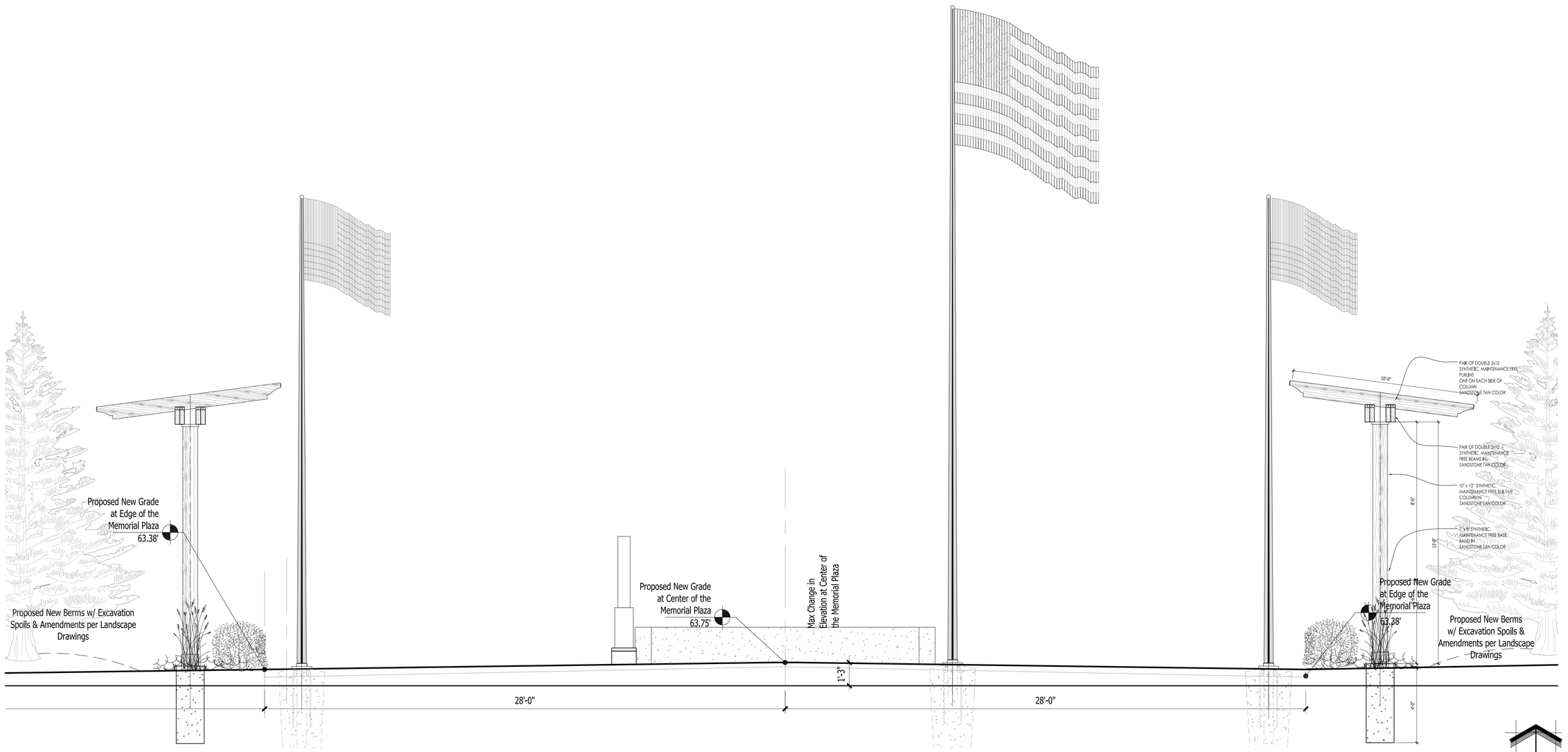
Sheet Title:

PROPOSED PHASE I GRADING PLAN, EROSION CONTROL INFORMATION

Date of Drawing:	09/09/25
Scale:	1" = 10'-0"
Drawn By:	MCD
Job Number:	L23-025
Sheet Number:	SD1.2

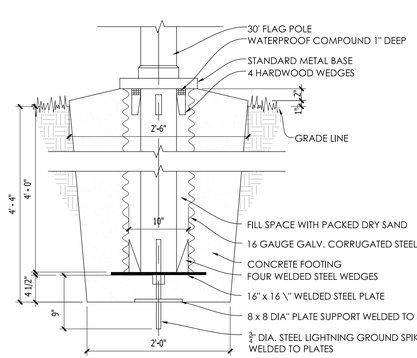
L23-025 -WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025



1 PROPOSED PLAZA CROSS SECTION

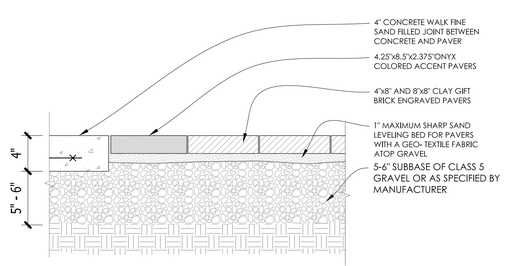
SCALE: 3/8" = 1'-0"

North



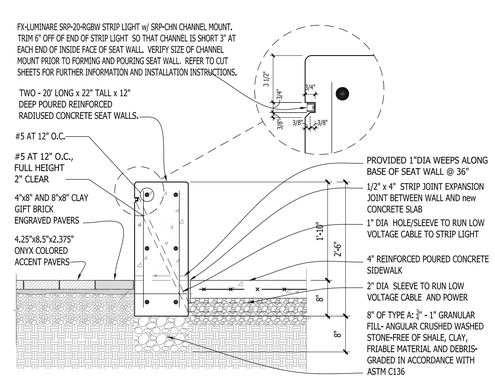
2 FLAG POLE BASE

SCALE 1" = 1'-0"



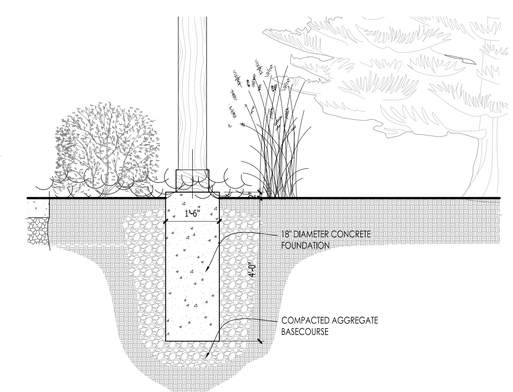
3 CONCRETE INTERLOCKING PAVER DETAIL

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



4 CONCRETE SEATWALL

SCALE: 3/4"=1'-0"



5 SLOPED PERGOLA FOOTING

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

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Sheet Title:

SECTION AND DETAILS
GENERAL NOTES,

Date of Drawing:	09/09/25
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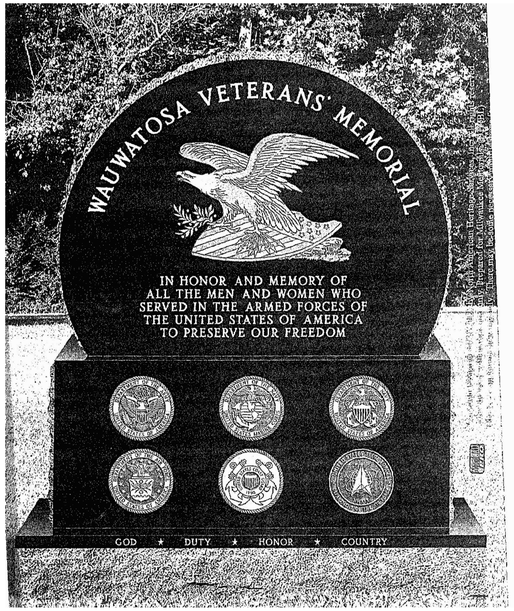
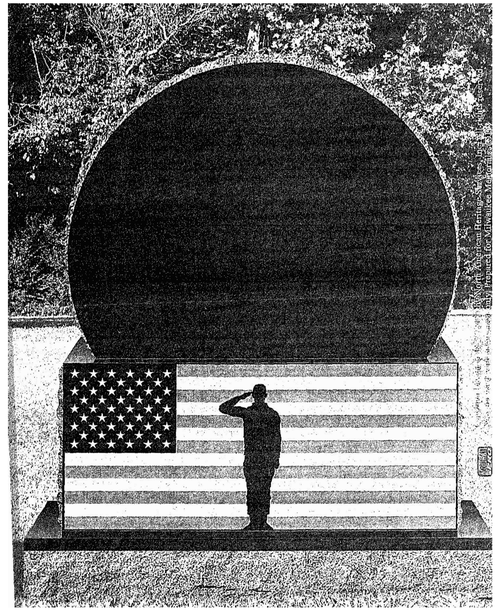
Job Number:	L23-025
Sheet Number:	SD1.3

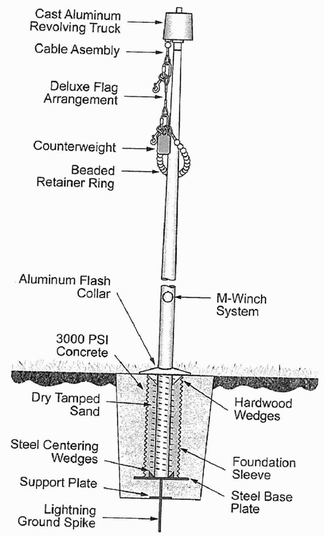
L23-025 -WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025



1 MEMORIAL PLAZA MONUMENT FRONT



2 MEMORIAL PLAZA MONUMENT BACK



3 FLAG POLE

9/20/23, 4:42 PM Gift Bricks® Engraved Clay Brick Colors

Call for a FREE Sample Kit
Toll-Free: 1-800-537-5579

MENU

Home > Products > Engraved Bricks > Clay Brick > Colors

Gift Bricks® Engraved Clay Brick Colors

Clay pavers offer durability and versatility. They can be: engraved only, engraved with epoxy fill, engraved with paint infill, or engraved with laserblasting. Our most popular product is available in colors shown. These engraved clay bricks come in sizes 4 x 8 and 8 x 8. Engraving text can be 14 or 20 characters per line.

Sizes: 4x8 and 8x8

4 GIFT BRICKS 4"x8" OR 8"x8" REGIMENTAL RED WITH BLACK EPOXY FILL

UNILOCK

PRODUCT SELECTION

PRODUCT LINE: HOLLANDSTONE™

3 7/8 X 7 7/8 X 2 3/8" (100 X 200 X 60MM)

3 7/8x7 7/8" (100x200mm)

Color	Finish	Product Line
Charcoal	Classic	HOLLANDSTONE™

APPLICATION(S)

Light Duty Vehicular

Pedestrian

PRODUCT INFORMATION

A classic, Hollandstone is a favorite for many because of the design flexibility it provides and the array of available colors in standard finish. Available in one size, this paver can be laid in various patterns.

PRODUCT INFORMATION (CONT'D)

SPECIAL NOTE:
HOLLANDSTONE™

Hollandstone is a very popular value paver. The simple lines and patterns make it easy to work with. Add a special look to Hollandstone by incorporating Unigranite® or Series™ banding and insets.

Recommended Base Stabilization – one layer of DriveGrid™® stabilization grid between subgrade and base material. Recommended depth 8" to 10" below pavers for maximum stability and performance. Use under Standard Base or Permeable Base.

Standard Base – Min. 6" – 8" of ¾" Crusher Run gravel (any road base standard in accordance with ASTM-D2940) compacted to 98% Standard Proctor Density (SPD).

Standard Bedding Course – 1" thick of coarse sand– in accordance with ASTM-D2940 screeded over base.

Alternative Permeable Base – Min. 6" – 8" of ¾" clear open-graded stone compacted to achieve full particle lock-up and consolidation. (Clear open-graded does not compact but does consolidate slightly by rattling the particles together.)

Alternative Permeable Bedding Course – 1" thick of 1/4" clear open-graded chip stone – (ASTM No. 8) screeded over base.

Special Note: Concrete Direct Overlay – In some areas of the country and in some applications pavers are very successfully placed directly over concrete. Concrete as a base is in itself quite strong, but it can affect the structural integrity of the paver particularly in vehicular applications, where the concrete below is sub-par. The following considerations must be taken into

05/09/23 15:50:39
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5 7 1/2" WIDE DOUBLE ROW OF UNILOCK NORDIC COBBLE DARK CHARCOAL COLOR

POLYSWEEP JUST DAMN GOOD SAND

Superior Strength Polymeric Sand
Regular & X-Treme Wide Joint

Joint Stabilization — TECHNICAL DATA SHEET

Page 1

PRODUCT DESCRIPTION:

Regular & X-Treme Wide Joint PolySweep Polymeric Sand (referred to as **PolySweep** unless otherwise noted) are designed to keep sand in the joints by creating a semi-solid joint. PolySweep is a blend of native sands conforming to the **ASTM C-144 standard,** and polymer binders that once activated allow the joints to expand and contract with the elements such as extreme heat/cold and freeze/thaw cycles. Hardened sand joints will help to prevent sand erosion by rain and other water run-off, lessen weed growth, deter insect infestation and reduce overall pavement maintenance. Specially formulated with **Clear Set Technology®** which uses the highest quality, clearest synthetic polymers, PolySweep will not discolor the surface or leave behind a haze.

FEATURES	BENEFITS
Clear Set Technology	• Haze Free Performance
Superior Strength, Long Lasting Durability	• Long Term Semi-Solid Joint • Resists Cracking • Lessens Weed Growth and Deters Insects
Stronger Set Up	• Tested & proven to have superior cohesion & adhesion performance on initial set up and after full cure
RCS Safe	• RCS (Respirable Crystalline Silica) level is below reportable limits under normal use as demonstrated by certified lab testing

SUITABLE APPLICATIONS:

- New or Existing Residential and Commercial Projects: Driveways, Walkways, Patios, Pool Decks and Concrete Overlays
- Substrates: Concrete, Clay & Wet Cast Pavers, Natural Stone and Porcelain Tile
- Do not use on vertical applications or as a substitute for mortar

AVAILABLE COLORS:

Pearl is not available in X-Treme Wide Joint. Color availability may vary by region. Color may vary due to the nature of aggregates and moisture content. This image is a representation of the available colors and a sample can be requested if needed.

6 PLAZA PAVER POLYSWEEP POLYMERIC JOINTING SAND - BLACK COLOR

POLYSWEEP JUST DAMN GOOD SAND

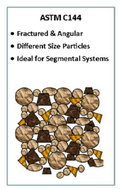
Superior Strength Polymeric Sand
Regular & X-Treme Wide Joint

Joint Stabilization — TECHNICAL DATA SHEET

Page 2

IMPORTANCE OF ASTM C144 SAND:

PolySweep is a blend of polymer binders and native sands that conform to the **ASTM C-144 standard**. ASTM C-144 is a specific gradation of fractured angular sand particles of different sizes. This type of sand will create the necessary structure in the joint that will interlock the system together once the polymers are activated with water and the curing process is complete.



POLYSWEEP ESTIMATED COVERAGE PER 50 LB. BAG:

JOINT SIZE	AREA IN SQ FT
Up to 1/4"	50 - 75
1/4" - 1/2"	25 - 50
1/2" - 3/4"	15 - 25

Coverage will vary depending on shape, size & depth of pavers installed. Use in joints up to 3/4".

X-TREME WIDE JOINT ESTIMATED COVERAGE PER 50 LB. BAG:

PAVER TYPE	JOINT SIZE	AREA IN SQ FT
Standard	Up to 1/4"	50 - 75
Standard	1/4" - 1/2"	25 - 50
Standard	1/4" - 1/2"	15 - 25
Natural Stone	Up to 2"	15 - 25
Natural Stone	2" - 4"	25 - 35

Coverage will vary depending on shape, size & depth of pavers installed. Use in joints up to 4".

InSite Landscape Design

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Project for:

WAUWATOSA
VETERANS COMMITTEE

Wauwatosa, WI

Project:

WAUWATOSA
VETERANS MEMORIAL
at HART PARK

72nd Street - Hart Park
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Sheet Title:

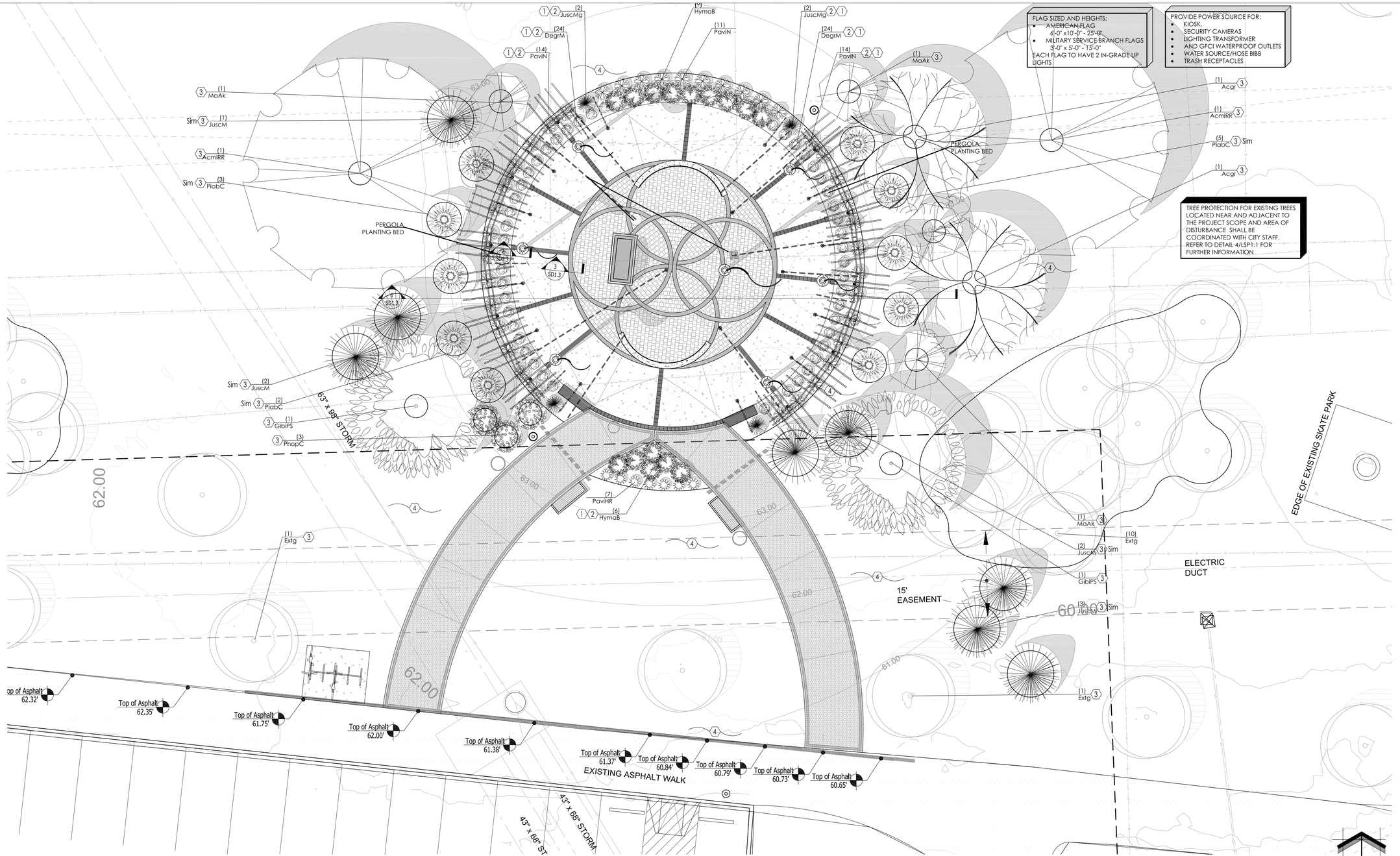
PROPOSED PAHSE I
SITE MATERIALS / COMPONENTS

Date of Drawing: 09/09/25
Scale: NONE
Drawn By: MCD
Job Number: L23-025
Sheet Number:

SD1.4

CONSTRUCTION SET USE NO OTHER- DO NOT SCALE THESE DRAWINGS-

L23-025 -WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025



1 PROPOSED PHASE I LANDSCAPE PLAN

Proposed Phase I Plant Material Table

Broadleaf Deciduous Tree

Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size	Comments
2	AcmiRR		Acer miyabei "JFS-KW3AMI"	Rugged Ridge Maple	2 1/2" Cal - B&B	1
2	Acgr		Acer griseum	Paperbark maple	2 1/2" Cal - B&B	1
2	GibiPS		Ginko biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree	2 1/2" Cal - B&B	1, 6
4	MaAk		Malus "Adirondack"	Adirondack Flowering Crab	1 1/2" Cal - B&B	1
14	Extg		Existing to Remain	Existing to Remain	Existing	2

Conifer Evergreen Tree

Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size	Comments
10	PlabC		Picea abies 'Cupressina'	Columnar Norway Spruce	7' - B&B	3
12	JuscM		Juniperus scopulorum 'Moonglow'	Moonglow Juniper	7' - B&B	3

Broadleaf Deciduous Shrub

Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size	Comments
48	DegrM		Deutzia gracilis 'Mincream'	Creme Fraiche Deutzia	15" - 18" - Cont	4
15	HymaB		Hydrangea macrophylla 'Bailmer'	Endless Summer Hydrangea	18" - 24"- Cont	4
3	PhopC		Physocarpus opulifolius 'Mindia'	Coppertina Ninebark	24" - 30" - B&B	4

Perennial Grass

Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size	Comments
7	PaviHR		Panicum virgatum 'Hot Rod'	Hot Rod Switch Grass	1-Gal - Cont	5
38	PaviN		Panicum virgatum 'Northwind'	Northwind Switch Grass	1-Gal - Cont	5

Comments

1. Straight central leader, full & even crown. Prune only after planting.
2. Prune existing tree, remove any dead, diseased or hazardous limbs. Thin out as required and raise canopy for safety and viability for both pedestrians and motorists. Provide tree protection as shown in detail 4/LSP1.2 and coordinate protection with City Staff.
3. Evenly shaped upright tree with full branching to the ground.
4. Full, well rooted plant, evenly shaped.
5. Full, well rooted plant.
6. Male only

LANDSCAPE PLAN CODED CONSTRUCTION NOTES

LANDSCAPE / SITE DEMOLITION CONTRACTOR TO VERIFY LOCATIONS OF EXISTING TREES TO BE SALVAGED AND CLEARLY TAG THEM WITH MARKING TAPE AND CONSTRUCTION FENCE.

LANDSCAPE INSTALLATION CONTRACTOR TO COORDINATE INSTALLATION OF NEW PLANT MATERIAL AND THE COORDINATION WITH EXISTING TREES TO BE SALVAGED.

1. MULCH BED AREA. DRESS WITH 2"-3" OF SHREDDED HARDWOOD BARK MULCH. TAKE CARE WITH INSTALLATION NOT TO DAMAGE OR COVER PLANTS. REFER TO GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.
2. EARTHEN BED EDGE (SHOVEL POINT) LANDSCAPE EDGE. TYPICAL ALL PLANT MATERIAL AREAS. DRESS WITH 2"-3" OF SHREDDED HARDWOOD BARK MULCH. REFER TO GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.
3. MULCHED 4'-0" DIA. TREE RING BED AREA w/ EARTHEN BED EDGE (SHOVEL POINT) LANDSCAPE EDGE AS REQUIRED. DRESS WITH 2"-3" OF SHREDDED HARDWOOD BARK MULCH. REFER TO LSP1.2, GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.
4. SEEDED AREAS OF TURF GRASS. REPAIR ANY AND ALL TURF DAMAGE FROM THE CONSTRUCTION PROCESS. IT IS VERY IMPORTANT TO FOLLOW THE MANUFACTURERS INSTALLATION INSTRUCTIONS REGARDING THE TURF GRASS FOR PROPER GERMINATION AND SURVIVABILITY OF THE SEED MIX. ALSO REFER TO GENERAL NOTES FOR PREPARATION OF TOP SOIL AND SEED INSTALLATION. REFER TO GRADING PLAN FOR FURTHER INFORMATION. ALSO REFER TO GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.

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Sheet Title:

PROPOSED PHASE I
LANDSCAPE PLAN,
AND PLANT MATERIAL TABLE

Date of Drawing:	09/09/25
Scale:	1" = 20'-0"
Drawn By:	MCD
Job Number:	L23-025
Sheet Number:	LSP1.1

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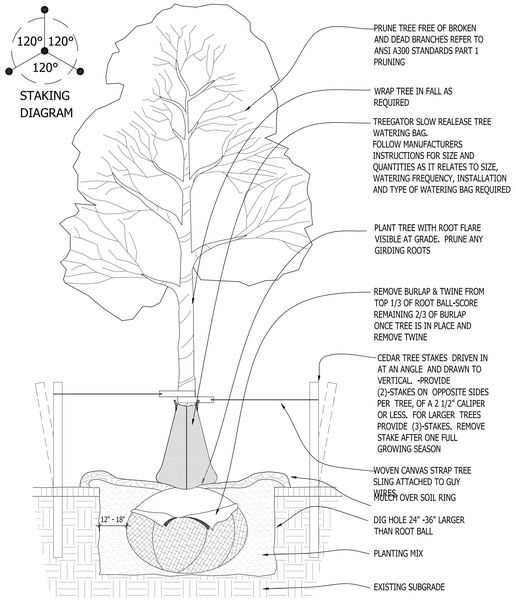
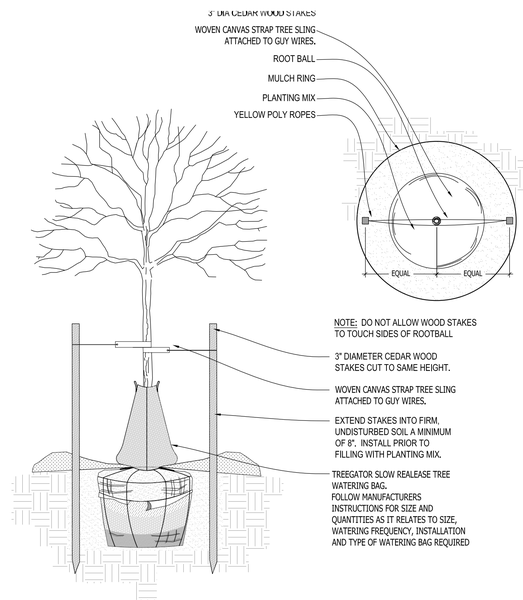


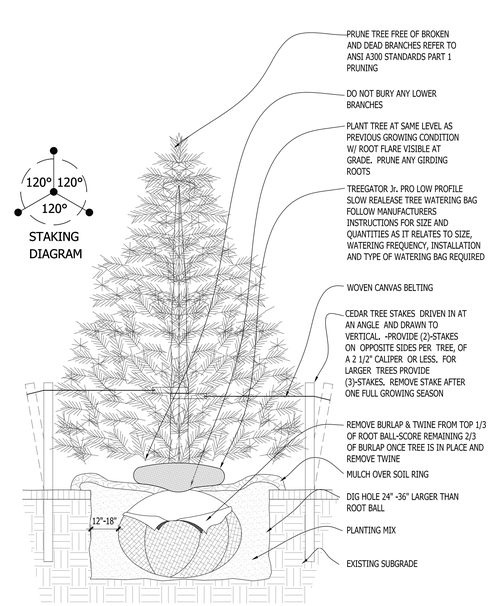
1 DECIDUOUS TREE PLANTING DETAIL

SCALE: NONE



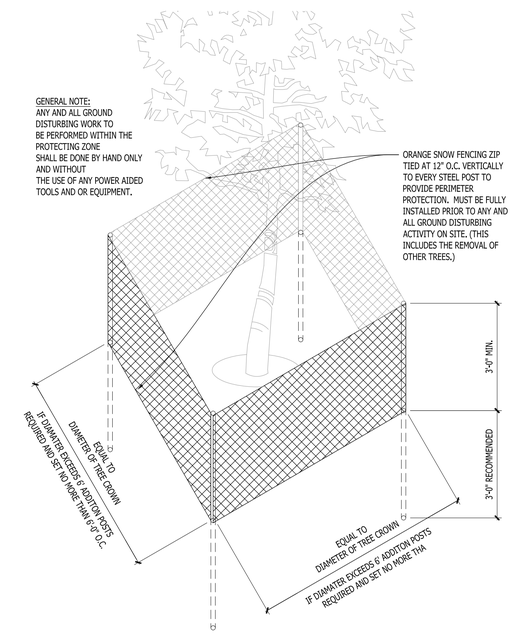
2 DECIDUOUS TREE STAKING PARKING ISLAND/RESTRICTED AREAS

SCALE: NONE



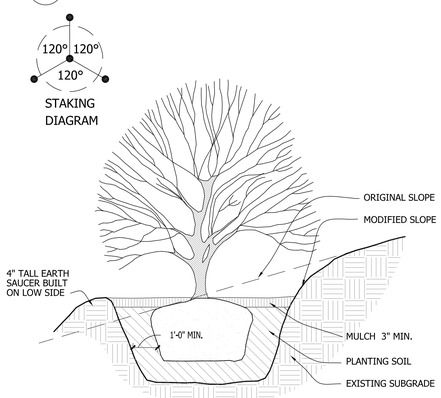
3 CONIFEROUS TREE PLANTING DETAIL

SCALE: NONE



4 EXISTING TREE PROTECTION DETAIL

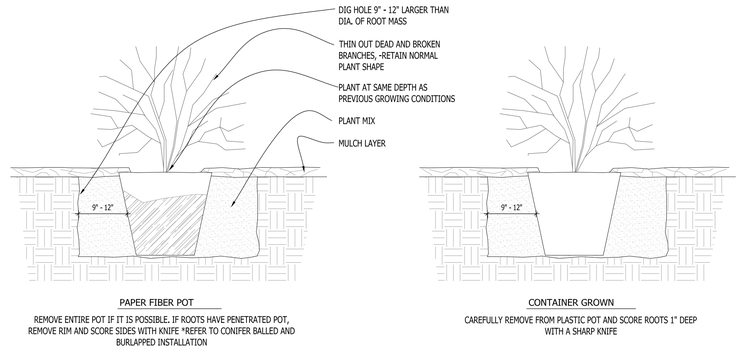
SCALE: NONE



5 SLOPE PLANTING DETAIL

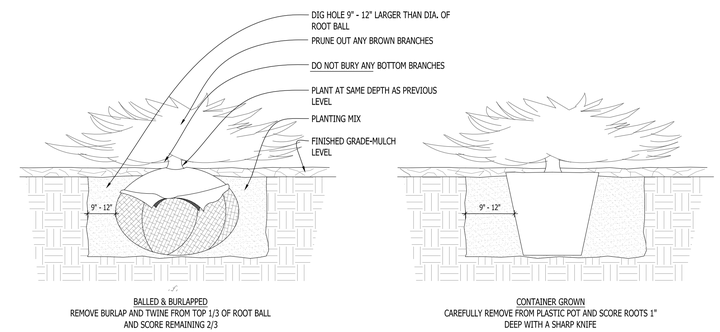
SCALE: NONE

REFER TO TYPICAL DECIDUOUS TREE DETAIL FOR STAKING



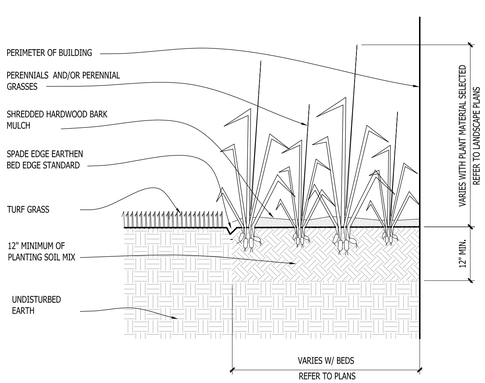
6 DECIDUOUS SHRUB PLANTING DETAIL

SCALE: NONE



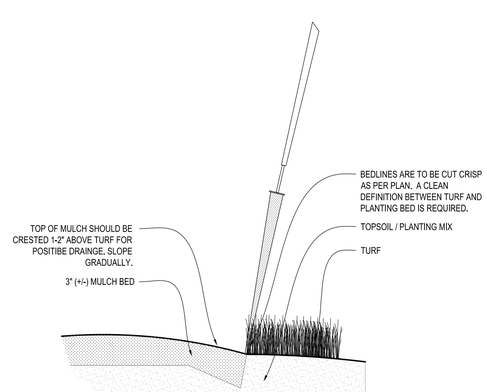
7 CONIFEROUS SHRUB PLANTING DETAIL

SCALE: NONE



8 PERENNIAL BED PLANTING DETAIL

SCALE: NONE



9 SPADE EDGE PLANT BED EDGE DETAIL

SCALE: NONE

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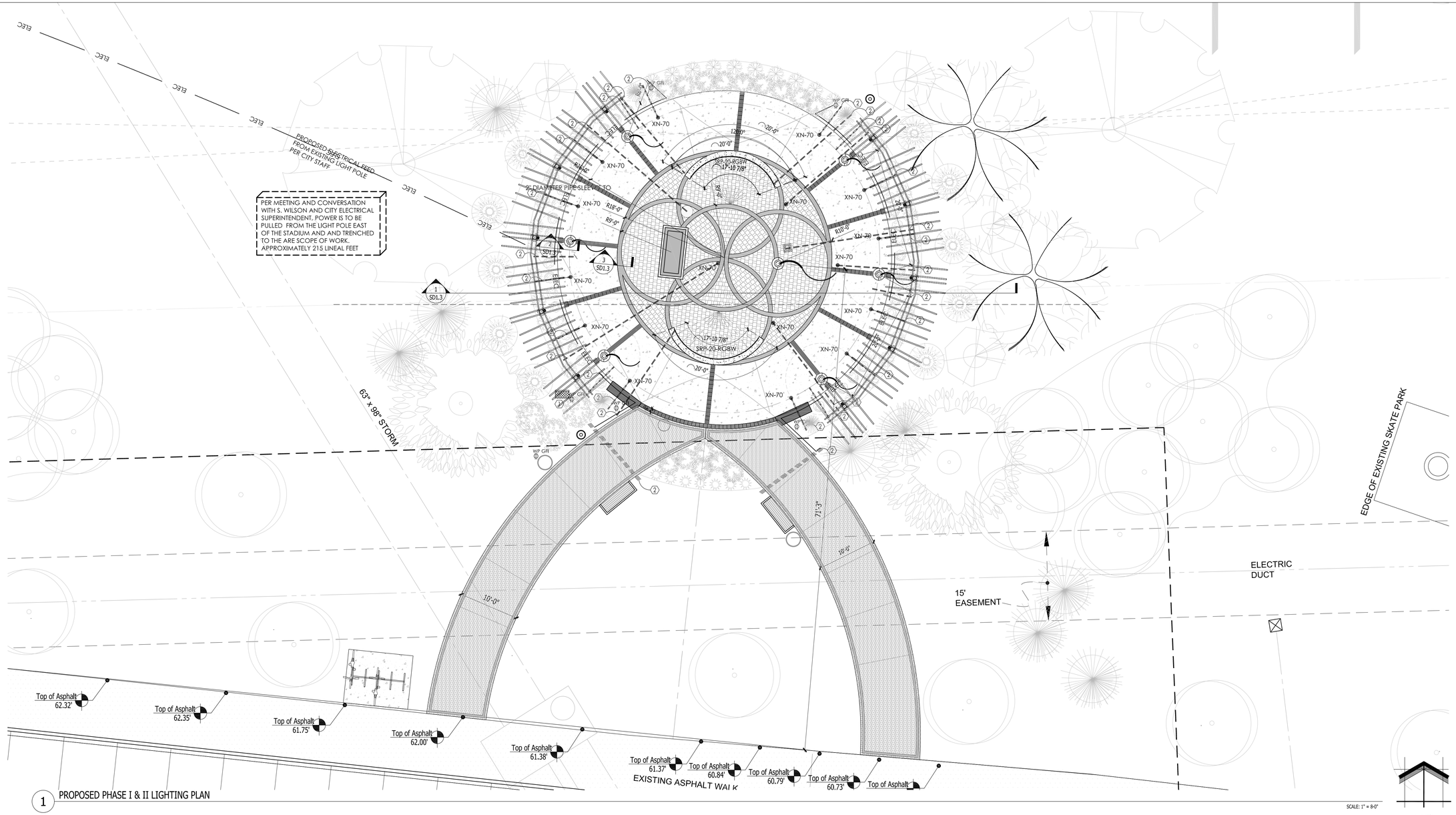
Sheet Title:

PROPOSED LANDSCAPE PLAN, PLANTING DETAILS

Date of Drawing:	09/09/25
Scale:	As Noted
Drawn By:	MCD
Job Number:	L23-025
Sheet Number:	LSP1.2

L23-025 -WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025



1 PROPOSED PHASE I & II LIGHTING PLAN

LANDSCAPE LOW VOLTAGE LIGHTING SCHEDULE

Quantity	Code Name	Symbol	Description
1	Transformer	▩	FX-LUMINARE LUXOR ZDC 300 WITH COLOR WATT TRANSFORMER W/ STAINLESS STEEL FINISH FINISH. LUXOR WI-FI MODULE P/N FXWIFIMOD. REFER TO CUT SHEETS FOR FURTHER INFORMATION AND INSTALLATION INSTRUCTIONS, LOCATIONS TO BE DETERMINED
16	XN-70 XN-ZD-H1-W-WF-RG-BZ	⊙	FX-LUMINARE XN-70 GRANDE IN GRADE UP LIGHT W/ LUXOR TECHNOLOGY H1 WIDE FLOOD LAMP & BRONZE METALLIC FINISH. REFER TO CUT SHEETS FOR FURTHER INFORMATION AND INSTALLATION INSTRUCTIONS.
10	NL NL-ZDC-UD-BZ	⊙	FX-LUMINARE NL ZDC UP/DOWN LIGHT W/ LUXOR TECHNOLOGY & BRONZE METALLIC FINISH (5) PER PERGOLOA. REFER TO CUT SHEETS FOR FURTHER INFORMATION & INSTALLATION INSTRUCTIONS.
2	SRP-20-RGBW		FX-LUMINARE SRP-20-RGBW STRIP LIGHT W/ LUXOR TECHNOLOGY. 20'-0" LONG. SRP-CHN CHANNEL MOUNT AND SRP-CC COLOR CONTROLLER. TRIM 2'-6" OFF OF END OF STRIP LIGHT SO THAT CHANNEL IS SHORT 3" AT EACH END OF INSIDE FACE OF SEAT WALL. VERIFY SIZE OF CHANNEL MOUNT PRIOR TO FORMING AND POURING SEAT WALL. REFER TO CUT SHEETS FOR FURTHER INFORMATION AND INSTALLATION INSTRUCTIONS.
	Pipe Sleeve and Cable	= = = =	Approximate locations for pipe sleeve and cabling

LOW VOLTAGE LIGHTING INSTALLER'S NOTES:

1. AT LEAST SEVENTY-TWO HOURS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AS GIVEN BY THE ELECTRIC, GAS, TELEPHONE, WATER, SEWER, AND CABLE TELEVISION COMPANIES, UTILITIES OR ENTITIES. REVIEW WITH OWNER'S REPRESENTATIVE SITE MECHANICAL, SITE ELECTRICAL AND LIGHTING, SITE GRADING AND DRAINAGE, SITE IRRIGATION AND ALL OTHER DRAWINGS PERTAINING TO UNDERGROUND UTILITY LOCATIONS. RECORD SET OF INFORMATION THE SAME AS IN POSSESSION OF OWNER'S REPRESENTATIVE. ALSO REVIEW OWNER'S "MARK SETS" OF ALL OF THESE DRAWINGS IN POSSESSION OF THE CONTRACTOR OR OWNER. MARK ALL SUCH UTILITIES ON THE SITE PRIOR TO COMMENCING. COORDINATE WITH OWNER BEFORE AND DURING CONSTRUCTION. REPAIR ANY DAMAGE TO ANY SYSTEM THAT IS CAUSED BY LIGHTING INSTALLER AT NO COST TO OWNER.
2. DEVIATIONS FROM THE APPROVED THE WAUWATOSA VETERANS MEMORIAL PLAZA PROJECT PLANS SHALL BE NOTED ON THE RECORD DRAWING BY THE LIGHTING INSTALLER /CONTRACTOR AND ONLY WITH PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. VERBAL AGREEMENTS OR REVISIONS WITHOUT A CHANGE ORDER WILL NOT BE RECOGNIZED BY LANDSCAPE ARCHITECT AND OWNER.
3. GENERAL CONTRACTOR TO COORDINATE POWER SOURCE FOR OUTLETS, SECURITY CAMERAS AND KIOSKS WITH CITY STAFF AND SUBCONTRACTORS.
4. LOW VOLTAGE FIXTURES TO BE INSTALLED BY F/X LUMINARE FACTORY-TRAINED & CERTIFIED TECHNICIANS WHOM IS ABLE TO PROVIDE LUXOR ZD & ZDC SYSTEM PROGRAMMING AND IN-FIELD SUPPORT.
5. FIXTURES SHALL BE INDIVIDUALLY PROGRAMMABLE & DIMMABLE TO ACHIEVE MULTIPLE LUMEN OUTPUTS BASED ON LOCATION AND APPLICATION OF EACH FIXTURE: SEE "LIGHTING PROGRAM SCHEDULE."
6. LIGHTING CONTROLLER SHALL BE WI-FI COMPATIBLE TO ALLOW APP-BASED ON DEMAND SWITCHING & DIMMING OF INDIVIDUAL FIXTURES. AND LUXOR CLOUD TECHNOLOGIES
7. RECOMMENDED LIGHTING SUPPLIER: REINDERS INC. REINDERS IS AN AUTHORIZED FX LUMINAIRE MASTER DISTRIBUTOR AND IS FACTORY-TRAINED & CERTIFIED TO PROVIDE IN-FIELD SUPPORT FOR THE INSTALLATION AND PROGRAMMING OF LUXOR ZD & ZDC SYSTEMS. CONTACT: JOEL REINDERS, JPR@REINDERS.COM, 262-372-5780.
8. ALL FIXTURES ARE TO RECEIVE BETWEEN 10.0 AND 15 VOLTS.
9. INSTALLATION OF FIXTURES AND ASSOCIATED EQUIPMENT ARE TO CONFORM TO NEC AND UL 1838.
10. CONTRACTOR TO VERIFY EXISTING POWER LOCATIONS AND REQUIREMENTS.
11. PIPE SLEEVES ARE TO BE 2" WATER TIGHT SCHEDULE 40 PIPE AND SHOULD BE BURIED IN THE SOIL AT A 6" MINIMUM DEPTH (IN AREAS SUCH AS LAWNS AND FLOWER BEDS 10"-12" IS RECOMMENDED TO AVOID DAMAGE FROM TILLING OR AERATION AND EDGING.
12. METAL FENCE INSTALLER TO COORDINATE WITH LIGHTING INSTALLER REGARDING INSTALLATION LOGISTICS AND TIMING.
13. CONCRETE CONTRACTOR TO COORDINATE WITH LIGHTING INSTALLER REGARDING THE INSTALLATION OF PIPE SLEEVES, CABLE, ELECTRICAL BOXES AND LIGHT FIXTURES BEING PLACED IN CONCRETE FORMS. PIPE SLEEVES ARE TO BE PLACED IN GRANULAR BASE COURSE ENDS ARE TO BE TAPED SHUT AND MARKED WITH FLAGS.
14. ALL CABLE TO BE PROTECTED IN 1" SLEEVE, MINIMUM.
15. ALL FIXTURES THAT ARE SPECIFIED AS LED COLOR CHANGING SHALL USE RGBW TECHNOLOGY AND SHALL HAVE ADJUSTABILITY OF THE FOLLOWING ATTRIBUTE VALUES: HUE, SATURATION AND INTENSITY. COLOR PALETTES WILL BE DETERMINED UPON INSTALLATION AND/OR FINAL WALK THROUGH.
16. ALL LOW VOLTAGE LIGHTING CABLE CONNECTIONS TO BE DONE WITH A SILICONE-FILLED LOCKING KITCHLER 1.5529BLPRO CONNECTOR OR ACE BRASS SCREW-TIGHT LUG WITH SHRINK TUBE CONNECTOR
17. LOW VOLTAGE LIGHTING CABLE SHALL BE UL (1493) AND RATED FOR OUTDOOR USE (SUNLIGHT RESISTANT). LOW VOLTAGE LIGHTING CABLE GAUGE TO BE SIZED APPROPRIATELY BASED ON THE LOAD AND LENGTH OF THE LIGHTING RUN.
18. LANDSCAPE LIGHTING CONTRACTOR TO COORDINATE POWER REQUIREMENTS AND LOCATION OF EXTERIOR / WATER PROOF GFCI OUTLETS FOR PROPOSED NEW TRANSFORMER LOCATIONS WITH GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT.
19. REVIEW AND FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS FOR MOUNTING AND INSTALLING TRANSFORMERS
20. OWNER TO COORDINATE WITH LANDSCAPE ARCHITECT AND LIGHTING INSTALLER LIGHT SELECTION OF COLOR CAPABLE (ZDC) VERSUS NON COLORED (ZD) LIGHT FIXTURES.
21. FINAL THEME COLORS AND TIMES TO BE ADJUSTED WITH OWNER AFTER INSTALLATION.

(1) LOCATION FOR LOW VOLTAGE LIGHTING TRANSFORMER. GENERAL CONTRACTOR TO COORDINATE LOCATION OF EXTERIOR / WATER PROOF GFCI OUTLETS FOR PROPOSED NEW TRANSFORMER LOCATION WITH ELECTRICAL CONTRACTOR AND LOW VOLTAGE LIGHTING INSTALLER. REFER TO LOW VOLTAGE LIGHTING INSTALLER'S NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.

(2) LOCATION OF PVC SLEEVE FOR LOW VOLTAGE LIGHTING, KIOSKS AND OUTLETS. GENERAL CONTRACTOR TO COORDINATE LOCATION WITH PAVING CONTRACTOR AND LOW VOLTAGE LIGHTING INSTALLER. REFER TO LOW VOLTAGE LIGHTING INSTALLER'S NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.

InSite Landscape Design

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Project for:

WAUWATOSA
VETERANS COMMITTEE

Wauwatosa, WI

Project:

WAUWATOSA
VETERANS MEMORIAL
at HART PARK

72nd Street - Hart Park
Wauwatosa, WI 53226

Issuance and Revisions:

Date	Number	Description
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Sheet Title:

PROPOSED PHASE I & II
LOW VOLTAGE LIGHTING PLAN,
AND LIGHT FIXTURE TABLE

Date of Drawing:	09/09/25
Scale:	1" = 20'-0"
Drawn By:	MCD
Job Number:	L23-025
Sheet Number:	LGT1.1

L23-025 -\WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025

FXLuminaire.

LED Lighting Controller

PROJECT

CATALOG #

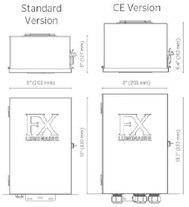
TYPE

NOTES

LUXOR® Controller

The Luxor Controller offers zoning, dimming, and RGBW color-changing capabilities, plus optional Wi-Fi control.

Standard Version | CE Version



Quick Facts

- 250 independent lighting zones in any wiring configuration
- Adjust Intensity from 0–100%
- 30,000 color options per zone
- Event-based scheduling options
- Optional cloud-based iOS® or Android™ app control
- Luxor Linking compatible for a single point of control in larger installations
- Built-in astronomical timing
- 304 stainless steel and powder-coated galvanized construction
- ETL and CE certified

LANDSCAPE & ARCHITECTURAL LIGHTING

LUXOR Controller SPECIFICATIONS

Output

Power	250 W	260 W (CE version)	300 W
Input Primary	220–240 V, 50–60 Hz	220–240 V, 50–60 Hz	120 V, 60 Hz
Input Amperage Primary	1.6 A	1.6 A	2.68 A
Output Voltage Secondary	14 VAC	14 VAC	14 VAC
Maximum Open Circuit Volts	15 VAC	15 VAC	15 VAC
Class	I SELV	I SELV	2
IP Rating	IP43	IP54	IP43

FX Luminaire
FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials
304 stainless steel and powder-coated galvanized steel outer box and lath.

Hardware
Two pan-head machined mounting screws with plastic anchors. Stainless steel mounting brackets attached to transformer box.

Wiring
Heavy-gauge, grounded, water-resistant power cord with integrally molded plug; 5' (1.5 m) length. Standard low-voltage lighting wire required (e.g., 12-2, 10-2, etc./2.05 mm, 2.58 mm, etc.) between controller and fixtures. No additional communication wire is required.

Power
Input: 120 VAC, 60 Hz
Input: 220–240 V, 50–60 Hz (230 V/CE version)

Ambient Operating Temperature
0°F to 140°F (-18°C to 60°C)

Programming
Create up to 250 independently adjustable lighting zones. Control each zone independently with separate on/off times, various intensities (0–100% in 1% increments).

Luxor Linking
Luxor Linking offers an easy way to expand a multi-controller site with a single point of control. With hardwired Luxor Linking, add up to nine satellite units, for a total of 10 units. The maximum hardwired (Cat 5/5e/6) connection between the primary and farthest satellite controller is 3,000' (0.9 km). With wireless Luxor Linking, add 10+ satellite units connected to the primary controller by LoRa radio up to 3,000' (0.9 km).

Compatible Devices
Only fixtures or devices with Luxor Technology are compatible with the Luxor Controller. Devices have varying levels of control, including: 1) zoning, or 2) zoning/dimming, or 3) zoning/dimming/color. Mix and match fixtures and devices with varying levels of control technology on a single system.

Fixture Assignment
Assign fixtures to zone number manually via assignment ports on facepack or wirelessly via the Light Assignment Module (LAM). The LAM and network accessories must be specified separately.

Wi-Fi Connectivity
Connect to Wi-Fi via a network router with the Luxor Wi-Fi Module accessory or the included LAN Module. Optional "Direct Connect" mode allows devices to connect directly to a single controller without using Wi-Fi or a network router.

Communication
Pre-installed 8" (203 mm) RJ-11 communication cable between facepack (i.e., user interface) and chassis (i.e., power unit).

Wireless App Control
Network module required. The Luxor App is available for iOS and Android devices. Control via app available for on-site or remote adjustability.

Finish
Standard stainless steel finish and matte gray powder coat.

Weight
300 W: 23.1 lb (10.5 kg)
300 W (CE): 19.1 lb (8.7 kg)

Installation Requirements
Designed for installation on a vertical surface in the upright position only. Transformer must be in a free airspace; do not install in a small sealed enclosure or direct bury.

International Compliance
Compliant per IEC 61347-1 and IEC-61347-2-11

Sustainability
Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

Manufacturing
ISO 9001:2015 certified facility

Warranty
10-year limited warranty

Listings

Learn more. Visit fxl.com | +1-760-744-5240

LUXOR Controller ORDERING INFORMATION

Item	Wattage	Compliance	Finish
LUX *Luxor Controller*	300 *300 W*	[default] *120 V, North America*	SS *Stainless Steel*
LSAT *Luxor Satellite Controller*		u *230 V, International*	M *Matte Gray*
		eu *230 V, CE Certified*	

EXAMPLE CONTROLLER CONFIGURATION: LUX-300-SS

[ ] - 300 - [ ] - [ ]

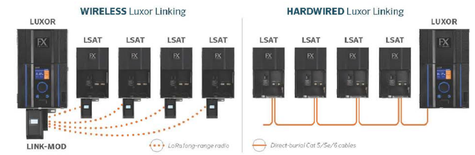
WIRELESS CONTROLLER ACCESSORIES: Specify Separately

Item	Code
WI-FI MODULE	WIFI-MOD2
WI-FI MODULE REMOTE MOUNT 10' (3 m)	WIFI-MOD2-RMT
LIGHT ASSIGNMENT MODULE	LAM
WIRELESS LINKING MODULE, NORTH AMERICA	LINK-MOD
WIRELESS LINKING MODULE, INTERNATIONAL	LINK-MOD-E

Learn more. Visit fxl.com | +1-760-744-5240

LUXOR Controller LINKING COMPARISON

FEATURES	Wireless Luxor Linking	Hardwired Luxor Linking
Communication	LoRa radio (wireless)	Network cable (Cat 5/5e/6)
Distance	Up to 3,000' or 914 m	3,000' or 914 m (installed wire)
Number of Linked Controllers	10+	Up to 10
Installation	Mount at controller or remote	Direct-burial Cat 5/5e/6 cable and conduit
Diagnostics	Yes (unique IDs)	Yes (variable)



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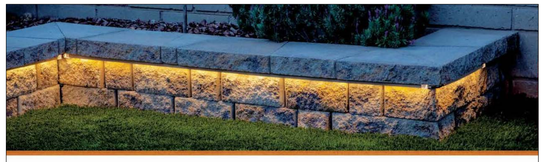
FXLIT-015 R 5/22

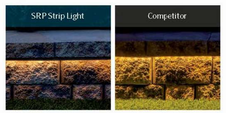
1 FX LUMINAIRE LUXOR CONTROLLER



The innovative construction of SRP Strip Lights vastly simplifies installation
— even if you've never done it before.

Key Benefits

- Extruded silicone body reduces hot spots, produces soft light distribution, and protects against harsh environments
- Silicone-encased LEDs deliver a soft, diffused light distribution for top performance in a range of applications
- A high IP65 rating ensures dust-proof and water-resistant performance



fxl.com/SRP

SRP WHITE Strip Light

Highly versatile SRP Strip Lights make it easier than ever to illuminate stair ledges, outdoor patios, hardscape elements, and more.

Features

- 12 VAC power ensures compatibility with any low-voltage lighting transformer
- Two color temperature options offer a warm (2,700K) or soft (3,000K) look
- 10' (3.1 m) and 40' (12.2 m) lengths
- Preinstalled 10' (3.1 m) power feed
- Compatible with Luxor® Low-Voltage CUBE (LCM-LV) for zoning and dimming capabilities

Output

- Total Lumens: 28.7 lm/ft (94.6 lm/m)
- Input Voltage: 10 to 15 V
- Input Power: 0.6 W/ft (2.1 W/m)
- VA: 0.7 W/ft (2.2 W/m)

SRP WHITE STRIP LIGHT MODELS	
Model	**Description**
SRP-10-W	2,700K, 10' (3.1 m)
SRP-10-S	3,000K, 10' (3.1 m)
SRP-40-W	2,700K, 40' (12.2 m)
SRP-40-S	3,000K, 40' (12.2 m)

SRP RGBW Strip Light

Endless opportunities to color your world! *When installed with the SRP-CC Color Controller, the SRP RGBW Strip Light is compatible with the next-generation Luxor Controller from FX Luminaire or any traditional low-voltage transformer for unmatched color-changing effects.*

Features

- Same award-winning design as SRP White (install, construction, etc.)
- 12 VAC power ensures compatibility with any low-voltage lighting transformer
- Total RBGW control; SRP-CC Strip Light Color Controller required
- Two convenient control options: Standalone or Luxor Mode
  - Luxor Mode allows a Luxor Controller to assign a Group and set Hue, Saturation, and Intensity values
  - Standalone Mode can be used with our EX, PX, and DX models as well as any standard low-voltage transformer, allowing you to manually set Hue, Saturation, and Intensity values

Output

- Total Lumens: 24.3 lm/ft (80.0 lm/m)
- Input Voltage: 10 to 15 V
- Input Power: 1.7 W/ft (5.6 W/m)
- VA: 2.9 W/ft (9.6 W/m)

SRP RGBW STRIP LIGHT MODELS	
Model	**Description**
SRP-RGBW	SRP RGBW Strip Light, 10' (3.1 m)
SRP-CC	Strip Light Color Controller

Luxor Mode

Luxor

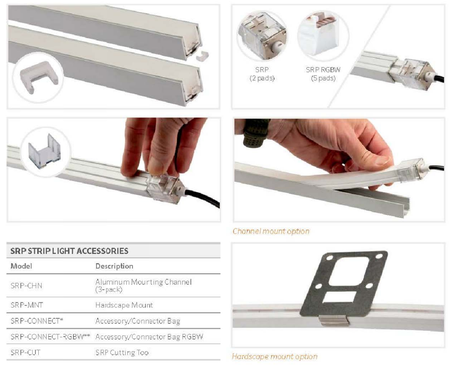
Standalone Mode

DX | EX

2 FX LUMINAIRE SRP RGBW STRIP LIGHT

SIMPLY insert, slide, and snap!

All necessary installation components come standard, so there's no need to purchase expensive accessories to complete a job. Each unit includes 2" (51 mm) cutmarks for precision customization. A preinstalled 10' (3 m) power feed, splice connectors, end caps, and all necessary accessories are included too.



SRP STRIP LIGHT ACCESSORIES	
Model	**Description**
SRP-CHN	Aluminum Mounting Channel (3-pack)
SRP-MNT	Hardscape Mount
SRP-CONNECT*	Accessory/Connector Bag
SRP-CONNECT-RGBW**	Accessory/Connector Bag RGBW
SRP-CUT	SRP Cutting Tool

*Includes 3" (76 mm) jumper cable (1), 6" (152 mm) jumper cable (1), closed-end connector (5), and power feed (1)
**Includes 3" (76 mm) jumper cable (1), 6" (152 mm) jumper cable (1), closed-end connector (1), and power feed (1)

Website fxl.com | **Customer Support** +1-760-744-5240 | **Technical Service** +1-760-591-7383

Our mission is to create the most energy-efficient lighting products in the world while maintaining the highest level of quality and reliability. In every instance we will back our innovations with the unswerving support our customers need to succeed.

Gene Smith, President,
Landscape Irrigation and Outdoor Lighting

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FX-318 BR US 7/22

KEY BENEFITS

Robust and Versatile Strip Lighting
Silicone-encased LEDs deliver a soft, diffused light distribution for top performance in a range of applications.

Quick and Secure IP65 Connections
It's easy to make all needed connections during installation — with no heat shrink or adhesive required!

Flexible Control with Beautiful Colors
The SRP-CC Strip Light Color Controller enables RGBW control with vibrant colors. Use the SRP RGBW Strip Light with any low-voltage lighting transformer, including the EX and PX Transformers and DX and Luxor® Controllers from FX Luminaire.

fxl.com/SRP

FXLuminaire.

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Project for:

WAUWATOSA VETERANS COMMITTEE

Wauwatosa, WI

Project:

WAUWATOSA VETERANS MEMORIAL at HART PARK

72nd Street - Hart Park
Wauwatosa, WI 53226

Issuance and Revisions:

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Sheet Title:

PROPOSED LIGHT FIXTURES

Date of Drawing:	09/09/25
Scale:	NONE
Drawn By:	MCD
Job Number:	L23-025
Sheet Number:	LGT1-2

L23-025 - WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025

FXLuminaire

XN-70 Grande In-Grade DESIGNER PREMIUM

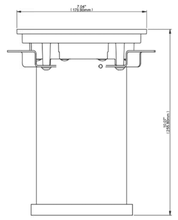
PROJECT

CATALOG #

TYPE

NOTES

The new Exa Collection offers high-output performance with low-voltage simplicity. With stainless steel construction plus IP68 and drive-over ratings, the modern Exa In-Grade provides light output up to 1,000 lumens. It also offers beam angle and color temperature options that are compatible with Luxor® Technology. The internal rotation and tilt adjustability with a fully recessed design results in a clean, easy installation.



Quick Facts

- Marine-grade stainless steel construction with two-layer anodization and a TGIC powder-coat finish
- Cree® integrated LED up to 1,000 lumens
- Two correlated color temperature (CCT) options: 2,700K and 3,000K
- IP68 and drive-over rated
- 20° tilt range with 360° rotation
- Compatible with Luxor® Technology
- Input Voltage: 10 to 15 V

XN-70 Grande In-Grade SPECIFICATIONS

Output	H1*	ZDC**
Total Lumens (lw)	1,029	1,011
Input Voltage	10 to 15 V	11 to 15 V
Input Power (W)	18.0	21.0
Power Consumption (VA)	23.0	25.0
Efficacy (Lumens/Watt)	58	47
Color Rendering Index (CRI)	84	-
Maximum Candela (cd)		
Spot (20)	3,042	-
Flood (40)	1,288	1,949
Wide Flood (60)	861	-
Luxor Compatibility		
Default	Zoning	Zoning
ZD Option	Zoning/Dimming	Zoning/Dimming
ZDC Option	-	Zoning/Dimming/Color
Maximum Rated Life (L70)	72,000 hrs	55,000 hrs

*Measured using the 5,000K CCT option with a Flood (40°) beam angle. See lenses for additional photometric data.

**Measured with all four colors turned on at 100%.

XN-70 Grande In-Grade SPECIFICATIONS

FX Luminaire
FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials
316 marine-grade stainless steel, die-cast aluminum, and stainless steel hardware.

LED
Integrated module with Cree LEDs. Gold-plated connection and potted driver for maximum reliability and corrosion resistance. Proprietary onboard intelligent driver uses firmware-controlled temperature regulation, maximizing LED life.

Optics
Color temperature and beam angle defined by part number. Both components are serviceable with parts ordered separately.

Dimming
Primary: Consult transformer specifications Secondary: Luxor® control or a trailing-edge (reverse phase-cut) dimmer.

Configuration
Integral driver.

Finish
Polished stainless steel finish and polyester TGIC powder-coat layer. Tested to ASTM standards.

Hardware
Teflon-coated faceplate screws.

Wiring
Bottom entry 16 AWG (1.3 mm); 50W Cable, 105 C, 600 V, 3' (1 m) length.

Sockets
Nonreplaceable Molex connector with Moisture Block™ Technology to prevent moisture from wicking up into sealed areas of the luminaire.

Power
Input 10–15 Vac/dc, 50/60 Hz. For white, and 11–15 Vac, 50/60 Hz. for RGBW (ZDC). Remote transformer required (specify separately).

Housing
Die-cast aluminum.

Weight
5.5 lbs / 2.5 kg

Lens
High optical purity glass with load strength suitable for walk-over and drive-over applications. Static load rating: 4,400 lb (2,000 kg).

Ambient Operating Temperature
0°F to 140°F (-18°C to 60°C)

Sustainability
Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high quality light at optimal energy efficiency, lifespan, and durability.

Installation Requirements
Designed for recessed installation in the upward direction only.

Control
ZD or ZDC utilizes Luxor Technology to zone fixtures in up to 250 groups, dim each group in 1% increments between 0 and 100%, or change to one of 30,000 colors with RGBW LEDs. Select the ZD option for *zoning/dimming* or ZDC for *zoning/dimming/color*. Standard fixture zoneable with Luxor Controller.

Manufacturing
ISO 9001:2015 certified facility

Warranty
10-year limited warranty

Listings

XN-70 Grande In-Grade ORDERING INFORMATION

Fixture	Luxor Option	Lamp	Color Temp	Beam Angle	Style	Finish
XN-70	[default] Zone	H1 18.0 W / 23.0 VA	W Warm (2700K)	SP Spot (20°)	RG Ring	BZ Bronze Metallic
	ZD Zone/Dim	[default ZDC option] 21.0 W / 25.0 VA	S Soft (3000K)	FL Flood (40°)		FB Black
	ZDC Zone/Dim/Color		[default ZDC option] RGBW	WF Wide Flood (60°)		DG Desert Granite
						WI Weathered Iron
						SB Sedona Brown
						FW Flat White
						SV Silver
						SS Stainless Steel

__ – __ – __ – __ – __ – __

EXAMPLE FIXTURE CONFIGURATION: XN-70-XX-XXX-XX

XN-70, H1, Flood - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: 38 °	Horizontal: 38 °
10.0' (3.0 m)	15.5 fc (167 lx)	6.7' (2 m)	6.9' (2.1 m)
20.0' (6.1 m)	3.9 fc (42 lx)	13.5' (4.1 m)	13.7' (4.2 m)
30.0' (9.1 m)	1.7 fc (19 lx)	20.2' (6.2 m)	20.6' (6.3 m)
40' (12.2 m)	1 fc (10 lx)	27' (8.2 m)	27.4' (8.4 m)
50' (15.2 m)	0.6 fc (7 lx)	33.7' (10.3 m)	34.3' (10.5 m)

XN-70, H1, Wide Flood - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: 60 °	Horizontal: 60 °
10.0' (3.0 m)	8.6 fc (93 lx)	11.6' (3.5 m)	11.7' (3.6 m)
20.0' (6.1 m)	2.2 fc (23 lx)	23.3' (7.1 m)	23.5' (7.2 m)
30.0' (9.1 m)	1 fc (10 lx)	34.9' (10.6 m)	35.2' (10.7 m)
40' (12.2 m)	0.5 fc (6 lx)	46.5' (14.2 m)	46.9' (14.3 m)
50' (15.2 m)	0.3 fc (4 lx)	58.2' (17.7 m)	58.7' (17.9 m)

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.
Mounting Kit for KT or Exa In-Grade Lights	MKKT

GLARE OPTIONS: Specify Separately

Glare	Catalog No.
Hex Baffle for MR-16 LED Lamps	250015260000

1 FX LUMINAIRE XN-70 GRANDE IN-GRADE LUMINAIRE

XN-70 Grande In-Grade ORDERING INFORMATION

LENSE OPTIONS: Specify Separately

Lenses	Catalog No.
Frosted Lens for MR-11 LED Lamps	250010480000
Frosted Lens for MR-16 LED Lamps	250015170000
Dichroic Lens for MR-16 LED Lamps, Blue	250015190000
Solite Spread Lens for MR-16 LED Lamps	250015240000
Optics Kit, H1, Flood for Exa Directional and In-Grade Lights	KITOPXB35H1FL
Optics Kit, H1, Wide Flood for Exa Directional and In-Grade Lights	KITOPXB35H1WF

Lenses	Catalog No.
Linear Spread Lens for MR-16 LED Lamps	250013550000
Dichroic Lens for MR-16 LED Lamps, Light Green	250015180000
Dichroic Lens for MR-16 LED Lamps, Red	250015220000
Optics Kit, Exa Collection, ZDC-6	KITOPEXAZDC
Optics Kit, H1, Spot for Exa Directional and In-Grade Lights	KITOPXB35H1SP

POWER OPTIONS: Specify Separately

Power	Catalog No.
Mini Plug-In Transformer, 30W	MT-30W
Step-Down Transformer, UV (120/277 V to 12 V)	ST-UV

Power	Catalog No.
Step-Down Transformer, Dimmable (120 V to 12 V)	ST-120-DIM
Lighting Fixture Surge Module	SURGE-MOD

SPLICING OPTIONS: Specify Separately

Splicing	Catalog No.
Heat Shrink Wire Connectors, 20-pack, Medium	WCHSMD20

Splicing	Catalog No.
Heat Shrink Wire Connectors, 20-pack, Small	WCHSSM20

2 FX LUMINAIRE SRP RGBW STRIP LIGHT

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Project for:

WAUWATOSA VETERANS COMMITTEE

Wauwatosa, WI

Project:

WAUWATOSA VETERANS MEMORIAL at HART PARK

72nd Street - Hart Park
Wauwatosa, WI 53226

Issuance and Revisions:

Date	Number	Description
06/05/23		Client Review Submittal
06/29/23		Parks Dept Prelim Meeting
07/17/23		Parks Dept Meeting
08/28/23		Client Review Submittal
09/20/23		Phase I Construction Document Submittal
08/26/25		Design Review Board Submittal
09/09/25		Revisions based on Staff Review Comments / Design Review Board Re-Submittal

CONSTRUCTION SET USE NO OTHER- DO NOT SCALE THESE DRAWINGS-

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Sheet Title:

PROPOSED LIGHT FIXTURES

Date of Drawing: 09/09/25
Scale: NONE
Drawn By: MCD
Job Number: L23-025
Sheet Number:

LGT1-3

L23-025 -J:\WAUWATOSA VETERANS MEMORIAL at HART PARK - 09/09/2025

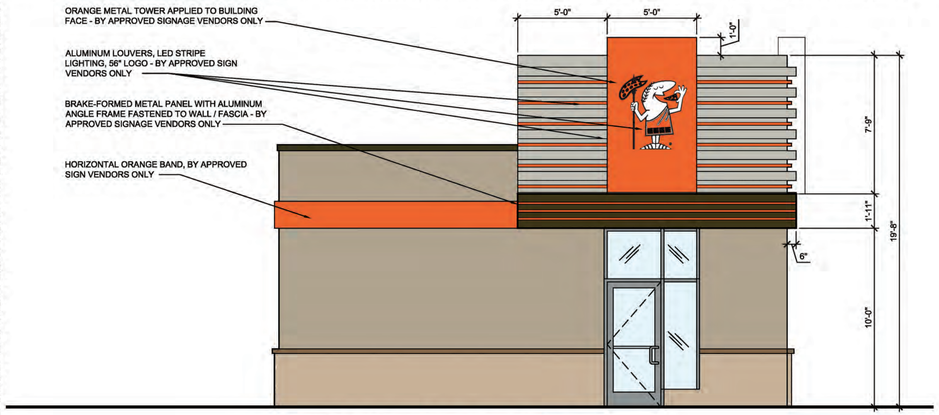
7725 W. North Avenue
Wauwatosa, WI 53213

Wauwatosa, WI

Staff Report

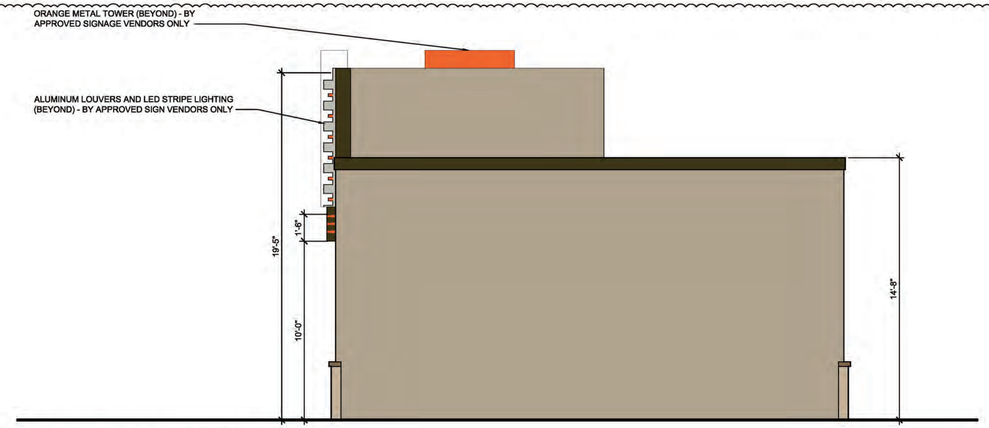
File #: 25-1518 **Agenda Date:** 9/18/2025 **Agenda #:** 4.

6707 W North Avenue - Little Caesars - Exterior Alteration



A **East Elevation**
SCALE: 1/4"=1'-0"

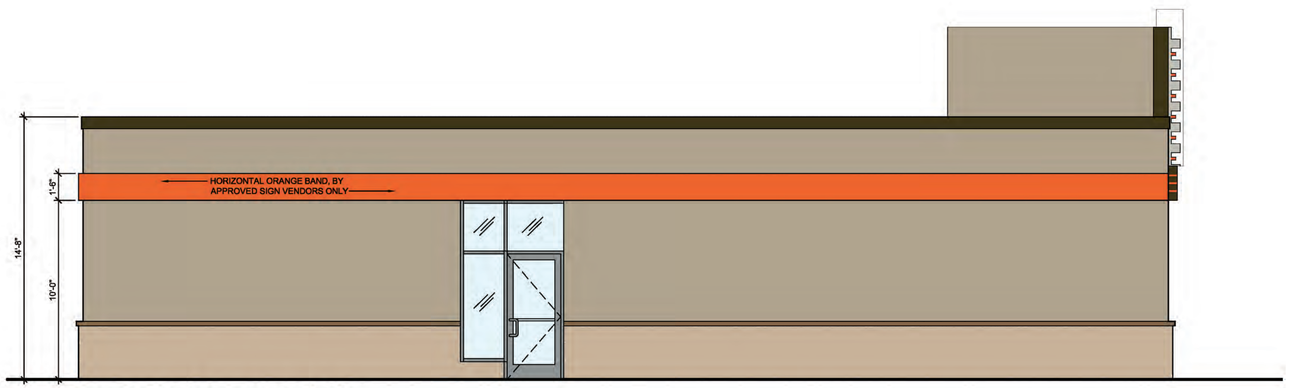
East Elevation



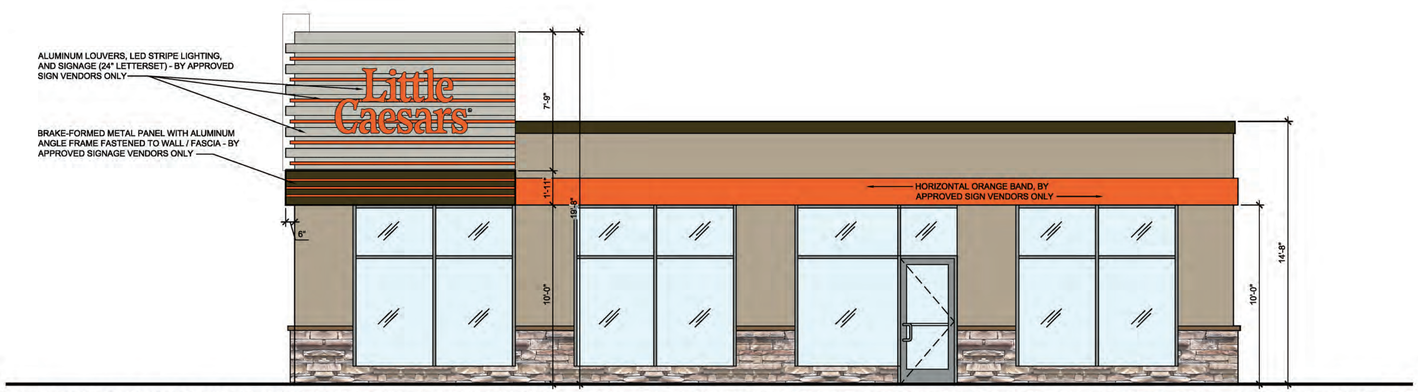
D **West Elevation**
SCALE: 1/4"=1'-0"

South Elevation

REV-1



B **South Elevation**
SCALE: 1/4"=1'-0"



C **North Elevation**
SCALE: 1/4"=1'-0"

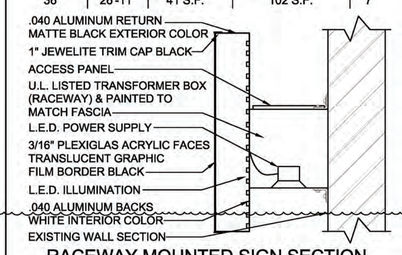
LITTLE CAESARS STANDARD SIGN SPECIFICATION

LITTLE CAESARS SIGNS ARE TO BE MANUFACTURED BY APPROVED LITTLE CAESARS SIGN MANUFACTURERS ONLY. CONTACT BLUELINE 1-800-447-1933 OR VISIT L.C.E. GATEWAY FOR APPROVED VENDORS

Little Caesars

SIGN SQUARE FOOTAGE:
SIGN OUTLINE — SIGN SQUARED OFF

SIGN HGT.	LENGTH	OUTLINE S.F.	SQUARED OFF S.F.	AMPS
20"	15'-3"	13 S.F.	33 S.F.	4
24"	18'-1"	19 S.F.	46 S.F.	4
28"	20'-11"	25 S.F.	62 S.F.	6
32"	24'-2"	33 S.F.	82 S.F.	7
36"	26'-11"	41 S.F.	102 S.F.	7



RACEWAY MOUNTED SIGN SECTION

NOTES:
1. SIGN TO BE U.L. APPROVED & LABELED.
2. POWER REQUIREMENTS 4 - 7 AMPS.
3. RACEWAY TO BE PAINTED TO MATCH FASCIA.

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ELEV8

Little Caesar Enterprises, Inc.
2125 Woodward Ave.
Detroit, Michigan 48201-3400
(313) 471-6000

NOTICE: Attention Little Caesars franchisees, franchisee architects and contractors. These design intent drawings represent the approved layout of equipment and finishes for this Little Caesars location. Any reconfiguration or modification requires written approval from Little Caesars Architecture and Design Department. Modification without such approval may result in reconstruction or default.

Owner Review:
08-18-25

Date Issued:
08-26-25

Revisions:
08-28-2025
00-00-00

Drawn By:
O.C.

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Job:
Little Caesars

No:
3221-0006

Address:
Matt Schroeder
6707 W North Ave
Wauwatosa, WI 53213

5
5 of 5

(A) East Elevation

(B) South Elevation

(C) North Elevation