THE CITY OF Fitchburg City of Fitchburg Planning/Zoning Department 5520 Lacy Road Fitchburg, WI 53711 (608-270-4200)	**ARCHITECTURAL & DESIGN REVIEW APPLICATION**

Applicant/Contact Person: WORONORA VENTURES LLC - EDWARD HOYT

Address: 3101 Fish Hatchery Road #411 **Phone Number of Contact Person:** 608-949-2151

City, State, Zip Code: Fitchburg WI 53713 **Email of Contact Person:** ned@happenstancegroup.com.a

Project Address: 2674 Botanical Drive **Lot:** 7 **Subdivision:** Hartung Fields

Project Type: x **Multi-Family** _____ **Commercial** _____ **Industrial** _____ **Other**

x **New** _____ **Addition**

Impervious Surface Ratio (ISR): 85 (City Standard: maximum 65% ISR)

All items listed below must be included with the application to be considered complete. If an item is not included with the application, the applicant must provide in writing the basis for not including it. Building and site plans submitted to the Fitchburg Plan Commission for architectural and design review shall contain the following information:

Site Data:

- ☒ 1. Lot or property dimensions.
- ☒ 2. Orientation (to north).
- ☒ 3. Adjacent highways, roads, drive, etc.
- ☒ 4. Existing natural features (rivers, ponds, wetlands).
- ☒ 5. Existing buildings and/or improvements.
- ☒ 6. Existing and proposed site drainage.
- ☒ 7. Utility plans, including main/lateral sizes and existing fire hydrants on site or within 300 feet of the site
- ☒ 8. ISR shall be indicated on all plans.
- ☒ 9. Stormwater management plans and details, including grading plan.
- ☒ 10. Lighting plan in footcandles and light fixture cut sheets.

Building:

- ☒ 1. Building size, configuration and orientation.
- ☒ 2. Distance from lot lines.
- ☒ 3. Distance from other buildings, improvements and natural features.
- ☒ 4. Location of well, septic tank, drainfield, etc. (if applicable)
- ☒ 5. Additional proposed additions or new structures, including trash/recycling enclosure(s).
- ☒ 6. Construction type (wood frame, structural steel, etc.).
- ☒ 7. Foundation type (full basement, slab on grade, etc.).
- ☒ 8. Number of levels.
- ☒ 9. Siding/exterior covering type, color, texture, etc.
- ☒ 10. Roof type (gable, hip, shed, flat, etc.) and pitch.
- ☒ 11. Roofing material type, color, texture, etc.
- ☒ 12. Exterior door and window location, size, type, etc.
- ☒ 13. Fire protection sprinklers or fire alarm systems.

Ingress, Egress, Parking:

- ☒ 1. Location of highway and road access points.
- ☒ 2. Location, size, configuration of drivers and walks.
- ☒ 3. Number, size, location of parking spaces.
- ☒ 4. Location of handicapped parking and accessible building entrances.
- ☒ 5. Bicycle rack(s).

Landscaping:

- ☒ 1. Location, species, size of existing trees, shrubs, and plantings.
- ☒ 2. Location, species, size of proposed plantings.
- ☒ 3. Location and size of all paved, seeded/sodded and gravelled areas.
- ☒ 4. Location of all retaining walls, fences, berms and other landscape features.

***It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents.**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed: _____ **Date:** 11 March 2025
Applicant or Authorized Agent

***** Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to planning@fitchburgwi.gov. Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

FOR CITY USE ONLY

Date Received: _____ **Plan Commission Date:** _____

Comments:

HARTUNG - B

2674 BOTANICAL DRIVE
FITCHBURG , WI 53711

PROGRESS DOCUMENTS

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

ARCHITECTURAL DESIGN REVIEW SET

03/17/2025

JLA ARCHITECTS

JLA PROJECT NUMBER: W22-0913-2

3/17/2025 5:35:29 PM

ABBREVIATIONS

A

A/C	AIR CONDITION
A/E	ARCHITECT/ENGINEER
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
ADDM	ADDENDUM
AFC	ABOVE FINISHED COUNTER
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
ALT	ALTERNATE
ALUM	ALUMINUM
APPD	APPROVED
APT	APARTMENT
ASC	ABOVE SUSPENDED CEILING

B

BB	BASEBOARD
BB	BULLETIN BOARD
BLDG	BUILDING
BLKD	BLINDS (WINDOW)
BLT	BUILT-IN LIGHT
BLW	BELOW
BPL	BASE PLATE
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BRG	BEARING

C

CB	CATCH BASIN
CB	CONSTRUCTION BULLETIN
CF/CI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED OWNER INSTALLED
CF/VI	CONTRACTOR FURNISHED VENDOR INSTALLED
CG	CORNER GUARD
CH BD	CHALKBOARD
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CJ	CONSTRUCTION JOINT
CLG	CEILING
CLR	CLEAR
CM	CONSTRUCTION MANAGEMENT
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CORR	CORRIDOR
CONT	CONTINUOUS
CPT	CARPET
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE

D

DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DFS	DOOR AND FRAME SCHEDULE
DH	DOUBLE HUNG
DIA	DIAMETER
DR	DOOR
DR FR	DOOR FRAME
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING

E

E	EAST
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EP	EPOXY
EPB	EPOXY BASE
EPS	EXPANDED POLYSTYRENE BOARD
EQ	EQUAL
EXST	EXISTING
EXP	EXPAND, EXPANSION
EXT	EXTERIOR

F

F	FEMALE
F	FILLER
FA	FIRE ALARM
FAM	FABRIC
FAX	FASCIMILE
FC	FILE CABINET
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FG	FOOT GRILLE
FLR	FLOOR
FM	FACTORY MUTUAL
FM	FLOOR MAT
FP	FIRE PROTECTION
FP	FIRE PROOF
FPL	FIRE PLACE
FRP	FIBER REINFORCED PANEL
FT	FEET
FTG	FOOTING
FWP	FABRIC WRAPPED PANEL

G

GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS
GLT	GLASS TILE

G (CONTINUED)

GLU LAM	GLUE LAMINATED WOOD
GR	GRADE, GRADING
GRAN	GRANITE
GT	GROUT
GWT	GLAZED WALL TILE
GYP BD	GYPSUM BOARD
GWD	GYPSUM WALL BOARD

H

HB	HOSE BIB
HC	HOLLOW CORE
HCP	HANDICAPPED
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HSKPG	HOUSEKEEPING
HT	HEIGHT
HVAC	HEATING VENTILATING & AIR CONDITIONING
HW	HOT WATER
HWF	HARDWOOD FLOOR
HWY	HIGHWAY

I

ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR

J

JS	JANITOR SINK

K

L

LAM	LAMINATE
LAV	LAVATORY
LL	LIVE LOAD

M

MAX	MAXIMUM
MC	MODULAR CARPET TILE
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MIN	MINUTE
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MS	MOP SINK
MRB	MARBLE BASE
MRF	MARBLE FLOOR
MTL	METAL

N

N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NO SCALE
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED OWNER INSTALLED
OF/VI	OWNER FURNISHED VENDOR INSTALLED
OH DR	OVERHEAD DOOR
OPH	OPPOSITE HAND
OPNG	OPENING

P

PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PSI	POUNDS PER SQUARE INCH
PT	PAINT, PAINTED
PTN	PARTITION

Q

QT	QUARRY TILE
QTB	QUARRY TILE BASE

R

RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BARS
RF	RESILIENT FLOORING
RFS	ROOM FINISH SCHEDULE
RO	ROUGH OPENING

S

S	SOUTH
SAN	SANITARY
SC	SEALED CONCRETE
SC	SOLID CORE
SF	SQUARE FOOT SQUARE FEET
SH	SHADES
SPECS	SPECIFICATIONS
SIM	SIMILAR
SS	STAINLESS STEEL
SST	SOLID SURFACE
ST	STAIN
ST	STAIR
STN	STONE

S (CONTINUED)

STNB	STONE BASE
STRUCT	STRUCTURE, STRUCTURAL
SV	SHEET VINYL

T

T&M	TIME AND MATERIALS
TEMP	TEMPERATURE
TEMP	TEMPORARY
TER	TERAZZO
TERB	TERAZZO BASE
TFF	TOP OF FINISH FLOOR
TK BD	TACKBOARD
TO	TOP OF
TOS	TOP OF SEAM
TOC	TOP OF CONCRETE
TOJ	TOP OF JOIST
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL

U

UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED

V

VCT	VINYL COMPOSITE TILE
VF/CI	VENDOR FURNISHED CONTRACTOR INSTALLED
VF/OI	VENDOR FURNISHED OWNER INSTALLED
VF/VI	VENDOR FURNISHED VENDOR INSTALLED
VNR	VENEER
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING

W

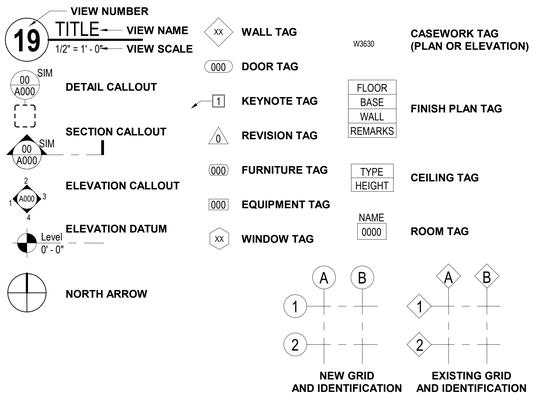
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WC	WALL COVERING
WDB	WOOD BASE
WDV	WOOD VENEER
WH	WATER HEATER
WP	WALL PROTECTION
WP	WORKPOINT

X

XPS	EXTRUDED POLYSTYRENE BOARD INSULATION

Y Z

SYMBOL LEGEND



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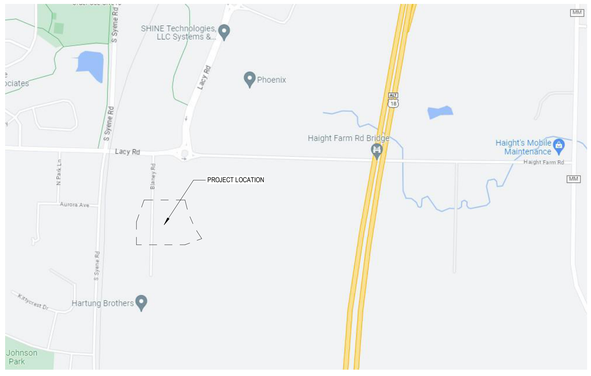

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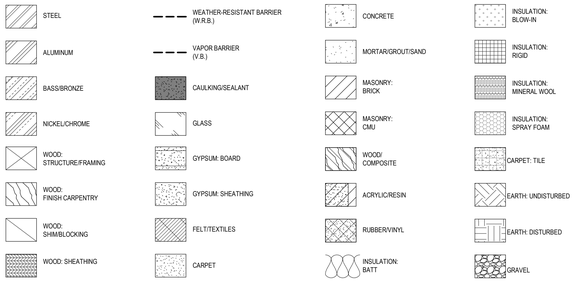

PROJECT ADDRESS

HARTUNG - B

2674 BOTANICAL DRIVE
FITCHBURG , WI 53711

OWNER INFORMATION

WORONORA VENTURES LLC

3131 FISH HATCHERY ROAD
FITCHBURG, WI 53711

CONTACT: NED HOYT
EMAIL: Ned@happenstancegroup.com.au
MAIN: 608.949.2151

PROJECT TEAM

GENERAL CONTRACTOR

KRUPP

749 UNIVERSITY ROW, SUITE 101
MADISON, WI 53705
CONTACT: SCOTT VUKOBRAT
EMAIL: Scott@kruppconstruction.com
MAIN: 608.249.2000

ARCHITECTURAL

JLA ARCHITECTS & PLANNERS

800 WEST BROADWAY - SUITE 200
MONONA, WISCONSIN 53713
CONTACT: ROB ZDANOWSKI
EMAIL: rzdanowski@jla-ap.com
MAIN: 608.442.3828

CIVIL ENGINEERING

VIERBICHER

999 FOURIER DRIVE#201
MADISON, WI 53717
CONTACT: JOHNATHAN LILLEY
EMAIL: jlil@vierbicher.com
MAIN: 608.826.0532

STRUCTURAL ENGINEERING

MP SQUARED

583 D'ONOFRIO DRIVE
MADISON, WI 53719
CONTACT: MARK S. LINDLOFF
EMAIL: MLindloff@mpsqrd.com
MAIN: 608.821.4770

SET ISSUE

ARCHITECTURAL DESIGN REVIEW SET
03/17/2025

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SHEET DISCIPLINE AND NUMBER	

GENERAL

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CIVIL

C000	TITLE SHEET
C001	NOTES & LEGENDS
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C200	SITE PLAN
C300	EROSION CONTROL PLAN
C400	OVERALL GRADING PLAN
C401	MAIN ENTRANCE GRADING PLAN
C500	UTILITY PLAN
C600	CONSTRUCTION DETAILS
C601	CONSTRUCTION DETAILS
C602	CONSTRUCTION DETAILS
C603	CONSTRUCTION DETAILS

LANDSCAPE

L100	LANDSCAPE PLAN
L101	LANDSCAPE SCHEDULE

ARCHITECTURAL

A000	PERSPECTIVE RENDERINGS
A101	FIRST FLOOR PLAN
A102	SECOND FLOOR PLAN
A103	THIRD FLOOR PLAN
A104	FOURTH FLOOR PLAN
A105	FIFTH FLOOR PLAN
A110	ROOF PLAN
A200	EXTERIOR ELEVATIONS
A201	EXTERIOR ELEVATIONS
A202	EXTERIOR ELEVATIONS
A300	BUILDING SECTIONS

SITE LIGHTING

LS 1	PHOTOMETRIC SITE PLAN
OA 1-7	SITE LUMINAIRE
OW1 1-2	WALL PACK
OW2 1-3	EMERGENCY LIGHT

JLA ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W22-0913-2

HARTUNG - B

ARCHITECTURAL DESIGN REVIEW SET

PROGRESS DOCUMENTS

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DATE OF ISSUANCE 03/17/2025

REVISION SCHEDULE

Mark	Description	Date

SHEET TITLE

INDEX SHEET

SHEET NUMBER

G001

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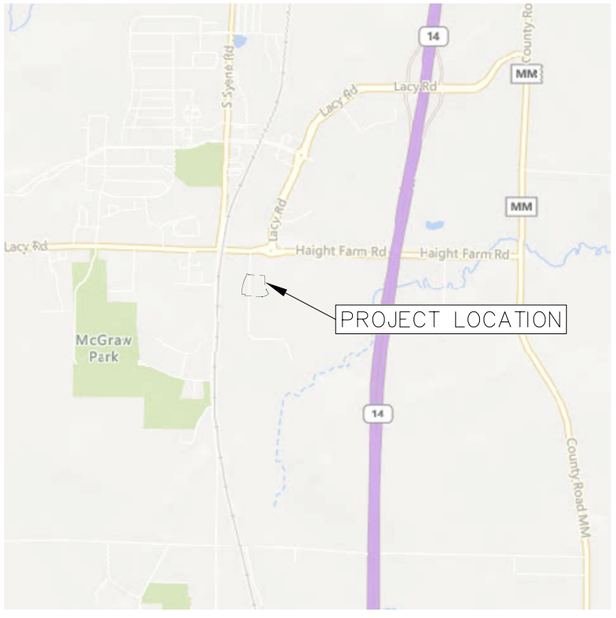
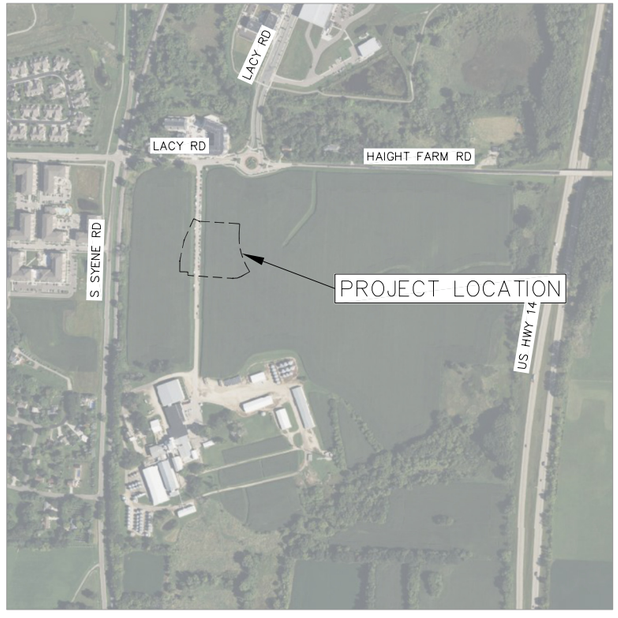
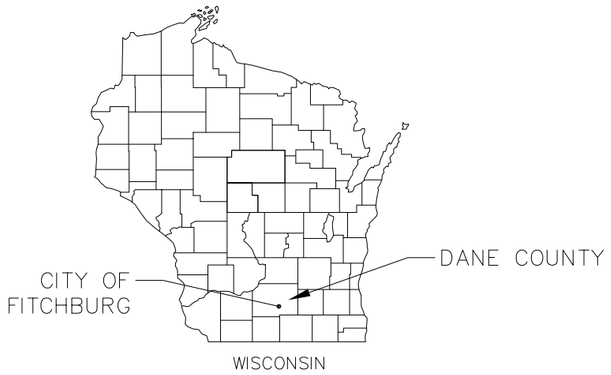
HARTUNG B - ADR SUBMITTAL

CITY OF FITCHBURG

DANE COUNTY, WISCONSIN







DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE
1-800-242-8511

SHEET NO.	DESCRIPTION
C000	TITLE SHEET
C001	NOTES & LEGENDS
C100	EXISTING CONDITIONS & DEMOLITION PLAN
C200	SITE PLAN
C300	EROSION CONTROL PLAN
C400	OVERALL GRADING PLAN
C401	MAIN ENTRANCE GRADING PLAN
C500	UTILITY PLAN
C600-603	CONSTRUCTION DETAILS
L100-101	LANDSCAPE PLAN

NOT FOR CONSTRUCTION

vierbicher planners engineers advisors

TITLE SHEET
HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

REVISIONS NO. DATE REMARKS

REVISIONS NO. DATE REMARKS

DATE 3/12/2025
DRAFTER BMUM/BBAR
CHECKED JLIL
PROJECT NO. 240559

C000

12 Mar 2025 - 12:47p M:\Woronora Ventures, LLC\240559_Hartung Building B\CADD\240559 - Title and Details.dwg by: bbar

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TOPOGRAPHIC SYMBOL LEGEND

- EXISTING CURB INLET
- EXISTING ENDWALL
- EXISTING FIELD INLET RECTANGULAR
- EXISTING FIELD INLET
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER MAIN VALVE

TOPOGRAPHIC LINEWORK LEGEND

- SAN SAN — EXISTING SANITARY SEWER LINE (SIZE NOTED)
- ST ST — EXISTING STORM SEWER LINE (SIZE NOTED)
- WM WM — EXISTING WATER MAIN (SIZE NOTED)
- 820 — EXISTING MAJOR CONTOUR
- 818 — EXISTING MINOR CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING ASPHALT SURFACE

PROPOSED UTILITY LEGEND

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

ABBREVIATIONS

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

SITE PLAN LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- PROPOSED CHAIN LINK FENCE
- PROPOSED WOOD FENCE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED SIGN
- PROPOSED LIGHT POLE
- PROPOSED BOLLARD
- PROPOSED ADA DETECTABLE WARNING FIELD
- PROPOSED HANDICAP PARKING

ABBREVIATIONS

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

SITE PLAN NOTES:

1. CONCRETE TO BE 5" THICK, CONSTRUCTED ON A BASE OF 4" COMPACTED BASE COURSE UNLESS OTHERWISE NOTED.
2. CONCRETE FOR DRIVEWAYS AND SIDEWALK AT DRIVEWAY ENTRANCES SHALL BE 7" THICK, CONSTRUCTED ON A BASE COURSE OF 5" COMPACTED SAND OR CRUSHED STONE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS WITH CURB & GUTTER ARE REFERENCED TO THE FACE OF CURB.
4. CONTRACTOR SHALL DEEP TILL ANY DISTURBED AREAS TO BE RESTORED WITH TOPSOIL AFTER CONSTRUCTION IS COMPLETE AND BEFORE RESTORING.
5. CONTRACTOR TO OBTAIN ANY NECESSARY DRIVEWAY CONNECTION, RIGHT OF WAY AND EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
6. ANY SIDEWALK AND CURB & GUTTER ABUTTING THE PROPERTY SHALL BE REPLACED IF IT IS DAMAGED DURING CONSTRUCTION OR IF THE CITY ENGINEERING DEPARTMENT DETERMINES THAT IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
7. SEE ARCHITECTS PLANS FOR THE BUILDING DIMENSIONS. ALL BUILDING DIMENSIONS SHALL BE COORDINATED AND VERIFIED WITH THE ARCHITECTS PLANS. ALL DIMENSIONS TO BUILDINGS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

GRADING LEGEND

- 820 — EXISTING MAJOR CONTOURS
- 818 — EXISTING MINOR CONTOURS
- 820 — PROPOSED MAJOR CONTOURS
- 818 — PROPOSED MINOR CONTOURS
- DITCH CENTERLINE
- SILT FENCE
- PHASE 1 LIMITS OF IMPROVEMENT
- BERM
- DRAINAGE DIRECTION
- 2.92% PROPOSED SLOPE ARROWS
- 1048.61 PROPOSED SPOT ELEVATIONS (BY OTHERS)
- 1048.61 PROPOSED SPOT ELEVATIONS
- STONE WEEPER
- VELOCITY CHECK
- INLET PROTECTION
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- EROSION MAT CLASS II, TYPE A
- TRACKING PAD
- RIP RAP

GENERAL NOTES:

1. THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE CONTRACTOR SHALL ALSO VERIFY TOPOGRAPHIC INFORMATION PRIOR TO STARTING CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED DURING CONSTRUCTION TO PUBLIC PROPERTY, PRIVATE PROPERTY OR UTILITIES.
3. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER PRIOR TO INSTALLATION OF SUCH ITEM.
4. RIGHT OF WAY (ROW) AND PROPERTY LINES ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PROPERTY CORNER MONUMENTATION. ANY MONUMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
5. CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
5. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT OF WAY, EXCAVATION, DRIVEWAY, UTILITY CONNECTION, PLUGGING AND ABANDONMENT PERMITS PRIOR TO CONSTRUCTION.
6. RETAINING WALLS TO BE DESIGNED BY OTHERS
7. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

DEMOLITION NOTES:

1. CONTRACTOR SHALL KEEP ALL STREETS FREE AND CLEAR OF CONSTRUCTION RELATED DIRT/DUST/DEBRIS.
2. COORDINATE EXISTING UTILITY REMOVAL/ABANDONMENT WITH LOCAL AUTHORITIES AND UTILITY COMPANIES HAVING JURISDICTION.
3. ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW CONSTRUCTION. MATCH EXISTING ELEVATIONS AT POINTS OF CONNECTION FOR NEW AND EXISTING PAVEMENT, CURB, SIDEWALKS, ETC. ALL SAWCUT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO ACCOMMODATE CONDITIONS, JOINTS, MATERIAL TYPE, ETC. REMOVE MINIMUM AMOUNT NECESSARY FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
4. CONTRACTOR SHALL PROVIDE AND SHALL BE RESPONSIBLE FOR ANY NECESSARY TRAFFIC CONTROL SIGNAGE AND SAFETY MEASURES DURING DEMOLITION AND CONSTRUCTION OPERATIONS WITHIN OR NEAR THE PUBLIC ROADWAY.
5. COORDINATE TREE REMOVAL WITH LANDSCAPE ARCHITECT. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO 12" BELOW PROPOSED SUBGRADE.
6. IF APPLICABLE, PROVIDE TREE PROTECTION FENCING PRIOR TO CONSTRUCTION OPERATIONS. MAINTAIN THROUGHOUT CONSTRUCTION.
7. ALL LIGHT POLES TO BE REMOVED FROM PRIVATE PROPERTY SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. COORDINATE ABANDONMENT OF ELECTRICAL LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
8. CONTRACTOR SHALL CLOSE ALL ABANDONED DRIVEWAYS BY REPLACING THE CURB IN FRONT OF THE DRIVEWAYS AND RESTORING THE TERRACE WITH GRASS.
9. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEMOLITION AND UTILITY PLUGGING PERMITS.
10. ANY DAMAGE TO THE PUBLIC STREETS, INCLUDING DAMAGE RESULTING FROM CURB REPLACEMENT, WILL REQUIRE RESTORATION IN ACCORDANCE WITH THE CITY PATCHING CRITERIA.

GRADING NOTES:

1. CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADE SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
2. ALL GRADES SHOWN REFERENCE FINISHED ELEVATIONS.
3. CROSS SLOPE OF SIDEWALKS SHALL BE 2.0% UNLESS OTHERWISE NOTED.
4. LONGITUDINAL GRADE OF SIDEWALK RAMPS SHALL NOT EXCEED 8.33% (1:12) AND SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.
5. LONGITUDINAL GRADE OF SIDEWALK SHALL NOT EXCEED 5.0% OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER.
6. ACCESSIBLE ROUTES SHALL BE 5.0% MAX LONGITUDINAL SLOPE AND 1.5% MAX CROSS SLOPE. ACCESSIBLE LOADING AREAS OR LANDINGS SHALL NOT EXCEED 2.0% MAX SLOPE IN ANY DIRECTION. RAMPS SHALL BE 8.33% MAX SLOPE.
7. NO LAND DISTURBANCE ACTIVITIES SHALL BEGIN UNTIL ALL EROSION CONTROL BMP'S ARE INSTALLED.
8. SEE DETAIL SHEETS FOR EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.

UTILITY NOTES:

1. CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING WORK.
2. SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
3. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES TO FINISHED GRADE (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
5. FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
6. IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
7. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
8. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATION WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
9. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(C).
10. UNDERGROUND DRAIN AND VENT PIPE/TUBING SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-2 OF SPS 384.30(2).
11. PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(D).
12. PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 – SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(C).
13. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(H) AND SPS 382.40(8)(K).
14. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(B.).
15. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
16. SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE LOCAL MUNICIPALITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
18. CONTRACTOR TO CHLORINATE AND BACTERIA TEST BEFORE DOMESTIC SUPPLY PURPOSES. CONTRACTOR SHALL PROVIDE SAFE SAMPLE RESULTS TO FITCHBURG UTILITY PRIOR TO PRESSURE TESTING PRIVATE WATER MAINS.
19. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
20. CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
21. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GRADE ELEVATION TO TOP OF MAIN. PROVIDE 1.5' CLEAR SEPARATION IF WATER CROSSES BELOW SEWER AND MINIMUM 0.5' IF WATER CROSSES ABOVE.
22. PER CITY ORDINANCE, CONTRACTORS ARE NOT ALLOWED TO OPERATE CITY OWNED VALVES. THE CONTRACTOR SHALL CALL THE FITCHBURG UTILITY AT 270-4270 FOR OPERATION OF THESE VALVES.
23. SANITARY MANHOLES WITH SEWER MAIN CONNECTIONS GREATER THAN 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN EXTERNAL DROP. MANHOLES WITH SEWER LATERAL CONNECTIONS GREATER THAT 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN INTERNAL DROP.
24. OPEN PICK HOLES ARE PROHIBITED ON SANITARY MANHOLES.
25. INSTALL 1 SHEET OF 4'X8'X4" HIGH DENSITY STYROFOAM INSULATION AT ALL LOCATIONS WHERE STORM SEWER CROSSES WATER MAIN OR WATER LATERALS.
26. CONTRACTOR TO INSTALL BENDS AND CLEANOUTS AS NECESSARY ON WATER AND SEWER LATERALS.

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NOTES & LEGENDS

HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

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12 Mar 2025 - 12:49p M:\Woronora Ventures, LLC\240559_Hartung Building B\CADD\240559 - Title and Details.dwg by: bbar

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GENERAL NOTES:

1. Existing features, utilities, and property lines shown are based on engineering plans prepared by D'Onofrio, Kottke and Associates (DKA) and AutoCAD file received on November 17, 2023. This is anticipated to be completed prior to completion of the Hartung Fields, Lot 8 work.

2. Lateral end locations to Lot 7 were provided by RG Huston on 3/6/2025.

3. No attempt has been made as a part of this plan to obtain or show data concerning condition or capacity of any utility or municipal/public service facility. For information regarding these utilities contact the appropriate agencies.

LOT 8

LOT 7

LOT 6

20' WIDE PUBLIC STORM SEWER EASEMENT

11.4' WIDE PUBLIC PEDESTRIAN ACCESS EASEMENT

10' UTILITY EASEMENT

BOTANICAL DRIVE

BLANEY ROAD

EX STMH
RIM=920.00
IE=912.49 E
IE=911.99 W

EX STMH
RIM=923.11
IE=915.85 W
IE=915.85 E

EX STMH
RIM=923.62
IE=916.63 E
IE=916.13 S
IE=916.13 W

EX CIN
TC=924.10
IE=919.10 W

EX CIN
TC=923.48
IE=916.10 W
IE=916.10 E

EX STMH
RIM=925.15
IE=916.43 N
IE=916.93 S
IE=916.68 E

EX CIN
TC=926.20
IE=922.50 W

EX CIN
TC=926.10
IE=920.78 E

EX STMH
RIM=925.77
IE=920.18 N
IE=920.18 W
IE=920.18 E

EX CIN
TC=926.99
IE=923.15 SW

EX CIN
TC=927.08
IE=923.15 NE

EX STMH
RIM=926.76
IE=922.92 SE
IE=922.92 SW
IE=922.92 NE

EX SMH
RIM=919.08
IE=905.86 NE
IE=906.06 E
IE=905.96 S

EX CIN
TC=919.14
IE=915.03 SW

EX CIN
TC=919.10
IE=915.00 SE
IE=915.00 NE

EX STMH
RIM=918.78
IE=914.38 NW
IE=913.88 S
IE=913.88 SE

EX CIN
TC=919.14
IE=914.48 SW

EX CIN
TC=919.10
IE=913.92 NW
IE=913.88 SE
IE=914.42 NE

EX CIN
TC=920.16
IE=915.01 E

EX STMH
RIM=919.84
IE=912.90 S
IE=912.90 N
IE=913.40 W
IE=913.40 E

EX CIN
TC=920.16
IE=913.57 W

EX SMH
RIM=920.11
IE=907.36 N
IE=907.46 S
IE=907.56 E

EX STMH
RIM=920.09
IE=912.65 N
IE=911.76 S
IE=911.16 W
IE=912.16 E

REMOVE AND REPLACE CONCRETE (TYP.)

SAWCUT AND REMOVE EXISTING CURB. MAINTAIN EXISTING FLAG.

REMOVE AND REPLACE CONCRETE (TYP.)

SAWCUT AND REMOVE EXISTING CURB. MAINTAIN EXISTING FLAG.

GRAPHIC SCALE FEET
0 10 20 40

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EXISTING CONDITIONS & DEMOLITION PLAN

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DANE COUNTY, WISCONSIN

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NOTES:
1. DIMENSIONS SHOWN FOR RADIAL PARKING STALLS ARE THE MINIMUM DIMENSION OF STALL. ALL STALLS ARE PERPENDICULAR TO THE CURB AND/OR SIDEWALK THEY ABUT.
2. CURB IN PARKING LOT ISLANDS ARE PARALLEL TO CREATE UNIFORM WIDTH UNLESS NOTED OTHERWISE.

BOTANICAL DRIVE

BLANEY ROAD

COLORED CONCRETE

18" REJECT CURB & GUTTER (TYP.)

CONCRETE STEP WITH HANDRAILS

PUBLIC PATH

CURBED SIDEWALK

RETAINING WALL

STEPS WITH HANDRAIL

18" CURB & GUTTER (TYP.)

18" MOUNTABLE CURB (TYP.)

SEE NOTE 1

SEE NOTE 2

DOG PARK

PROPOSED BUILDING B

AMENITY DECK SEE ARCHITECTURAL PLANS

AT GRADE GARBAGE PICKUP ENTRANCE

ADA SIGNS (2)

AT GRADE PARKING ENTRANCE

8 BIKE STALLS

6 BIKE STALLS

PROPOSED LIGHT POLE (TYP.) SEE ARCHITECTURAL LIGHTING PLAN

FUTURE 18" CURB AND GUTTER (TYP.)

GRAPHIC SCALE FEET
0 10 20 40

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SITE PLAN

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SILT FENCE

SILT SOCK

SILT SOCK

INLET PROTECTION (TYP.)

BOTANICAL DRIVE

PROPOSED BUILDING B
FFE=925.50
AMENITY DECK
SEE ARCHITECTURAL PLANS

WATERPROOF FOUNDATION

SILT FENCE

PROPOSED LOBBY
FFE = 922.50

WATERPROOF FOUNDATION

WATERPROOF FOUNDATION

TRACKING PAD

SILT FENCE

TRACKING PAD

SILT FENCE

BLANEY ROAD

N
W E
S

GRAPHIC SCALE, FEET
0 10 20 40

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EROSION CONTROL PLAN

HARTUNG B - ADR SUBMITTAL
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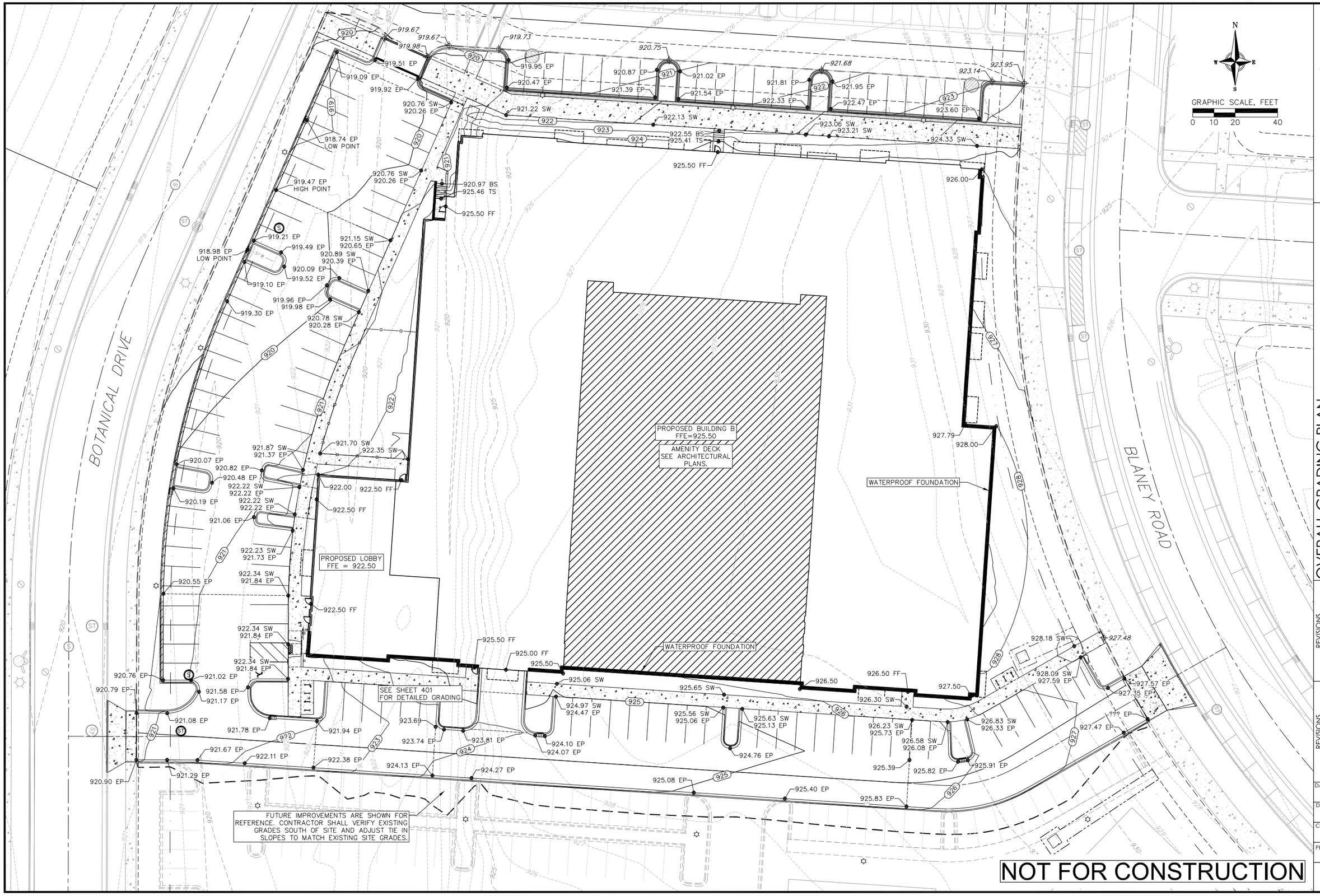

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OVERALL GRADING PLAN

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DANE COUNTY, WISCONSIN

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N
W E
S

GRAPHIC SCALE, FEET
0 10 20 40

PROPOSED BUILDING B

FFE = 922.50

FFE = 925.50

WATERPROOF FOUNDATION

WATERPROOF FOUNDATION

921
922
923
924

922.43 SW
922.49 SW
922.34 SW
921.84 EP
921.49
922.50 FF
922.49 SW
922.34 SW
921.84 EP
921.51
922.50 FF
922.34 SW
921.84 EP
922.43 SW
1.8%
921.53
921.84 SW
921.84 EP
921.93 SW
1.7%
921.84 SW
921.84 EP
922.49
921.55
922.34 SW
921.84 EP
923.00 SW
1.6%
922.43 SW
921.61 EP
922.34 SW
921.84 EP
922.62 SW
922.43 SW
921.58 EP
922.91 SW
922.41 EP
921.61 EP
922.28 SW
922.38 SW
922.11 EP
922.33 SW
921.78 EP
921.94 EP
922.38 EP
925.00
924.92
925.25
925.50
925.50 FF
925.00 FF
925.00 EP
925.00 EP
925.50 SW
925.42 SW
924.87 SW
925.42 SW
1.5%
924.73 SW
924.23 EP
925.33 SW
924.83 EP
924.83 EP
5.3%
924.15 EP
924.25 EP
923.77 EP
923.74 EP
923.81 EP
923.85 EP
924.13 EP
924.07 EP

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MAIN ENTRANCE GRADING PLAN

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DANE COUNTY, WISCONSIN

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CORE INTO EXISTING MANHOLE
IE=912.49 S

PROPOSED TRANSFORMER PAD

ROOF DRAIN. CONFIRM SIZE, IE, AND LOCATION WITH PLUMBING PLANS.

8" D.I. WATER LATERAL.
CONNECT TO EXISTING 8" SERVICE.
CONTRACTOR SHALL CONFIRM SIZE, IE, AND LOCATION WITH PLUMBING PLANS.

8" PVC SANITARY SEWER LATERAL.
CONFIRM SIZE, IE, AND LOCATION
WITH PLUMBING PLANS

PROPOSED BUILDING B
AMENITY DECK
SEE ARCHITECTURAL PLANS

PROPOSED LOBBY
FF=922.50

8" PVC SANITARY SEWER LATERAL.
CONFIRM SIZE, IE, AND LOCATION
WITH PLUMBING PLANS

ROOF DRAIN. CONFIRM SIZE, IE, AND LOCATION WITH PLUMBING PLANS.

PROPOSED TRANSFORMER PAD

PLUG FOR FUTURE BUILDING C USE

PLUG FOR FUTURE BUILDING C USE

PLUG FOR FUTURE BUILDING C USE

BOTANICAL DRIVE

BLANEY ROAD

N
W E
S

GRAPHIC SCALE FEET
0 10 20 40

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UTILITY PLAN
HARTUNG B - ADR SUBMITTAL
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EROSION CONTROL MEASURES

1. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE CITY OF FITCHBURG EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.

2. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (http://dnr.wi.gov/runoff/stormwater/techstds.htm) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.

3. INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.

4. THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR CITY. ALL MAINTENANCE SHALL FOLLOW AN INSPECTION WITHIN 24 HOURS.

5. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL 70% ESTABLISHMENT, AS DETERMINED BY THE CITY. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.

6. A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF ROAD CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WisDNR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.

7. CHANNELIZED RUNOFF: FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS.

8. STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25-FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 14-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.

9. SITE DE-WATERING: WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET, BE SURROUNDED BY SNOWFENCE OR EQUIVALENT BARRIER AND HAVE SUFFICIENT SURFACE AREA TO PROVIDE A SURFACE SETTLING RATE OF NO MORE THAN 750 GALLONS PER SQUARE FOOT PER DAY AT THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, A NEIGHBORING SITE, OR THE BED OR BANKS OF THE RECEIVING WATER. POLYMERS MAY BE USED AS DIRECTED BY DNR TECHNICAL STANDARD 1061 (DE-WATERING).

10. INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. THE FILTERS SHALL BE MAINTAINED UNTIL THE DISTURBED AREAS ARE BOTH 70% RESTORED AND PAVED.

11. TERRACES SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZER AND URBAN CLASS I TYPE A EROSION MAT. LOTS SHALL BE RESTORED WITH 6" TOPSOIL, TEMPORARY SEED, FERTILIZER AND MULCH.

12. SEED, FERTILIZER AND MULCH/E-MAT SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.

13. FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.

14. SOIL STABILIZERS SHALL BE APPLIED TO DISTURBED AREAS WITH SLOPES BETWEEN 10% AND 3:1 (DO NOT USE IN CHANNELS). SOIL STABILIZERS SHALL BE TYPE B, PER WISCONSIN D.O.T. P.A.L. (PRODUCT ACCEPTABILITY LIST), OR EQUAL. APPLY AT RATES AND METHODS SPECIFIED PER MANUFACTURER. SOIL STABILIZERS SHALL BE RE-APPLIED WHENEVER VEHICLES OR OTHER EQUIPMENT TRACK ON THE AREA.

15. SILT FENCE OR EROSION MAT SHALL BE INSTALLED ALONG THE CONTOURS AT 100 FOOT INTERVALS DOWN THE SLOPE ON THE DISTURBED SLOPES STEEPER THAN 5% AND MORE THAN 100 FEET LONG THAT SHEET FLOW TO THE ROADWAY UNLESS SOIL STABILIZERS ARE USED.

16. SILT FENCE TO BE USED ACROSS AREAS OF THE LOT THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY. SEE DETAILS.

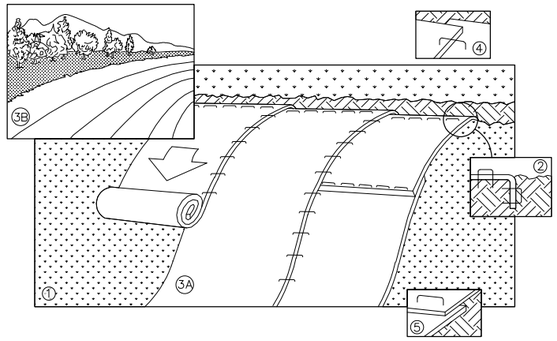
17. SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE AND AS DIRECTED BY ENGINEER/CITY/OWNER.

18. ALL CONSTRUCTION ENTRANCES SHALL HAVE TWO TYPE III TEMPORARY ROAD CLOSED BARRICADES WITH SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.

19. ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY AND DNR.

20. THE CITY, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.

21. THE CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO ADJACENT ROADS BY MEANS OF STREET SWEEPING (NOT FLUSHING) AT A MINIMUM OF THE END OF EACH WORK DAY OR MORE AS NEEDED.



NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
   NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS <A.> DOWN, OR <B.> HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

1 / 600 EROSION MAT
NOT TO SCALE

SEEDING RATES:

TEMPORARY:
1. USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
2. USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED

AFTER SEPTEMBER 15.

PERMANENT:
1. USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F.

FERTILIZING RATES:

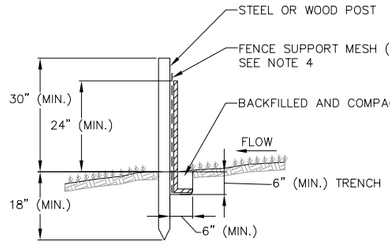
TEMPORARY AND PERMANENT:
USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.

MULCHING RATES:

TEMPORARY AND PERMANENT:
USE ½" TO 1-½" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION

CONSTRUCTION SEQUENCE:

1. INSTALL SILT FENCE AND TRACKING PAD
2. STRIP TOPSOIL-DETENTION BASINS
3. ROUGH GRADE DETENTION BASINS
4. SEED DETENTION BASINS
5. STRIP TOPSOIL-STREETS & LOTS
6. ROUGH GRADE STREETS & LOTS
7. SEED LOT AREAS AND INSTALL DRIVE-OVER VELOCITY CHECKS
8. CONSTRUCT UNDERGROUND UTILITIES
9. INSTALL INLET PROTECTION
10. CONSTRUCT ROADS (STONE BASE, CURB & GUTTER, AND SIDEWALK). REMOVE DRIVE-OVER VELOCITY CHECKS WHEN BASE COURSE IS PLACED
11. RESTORE TERRACES
12. REMOVE TRACKING PAD, SILT FENCE AND DIVERSION BERM MEASURES AFTER DISTURBED AREAS ARE RESTORED

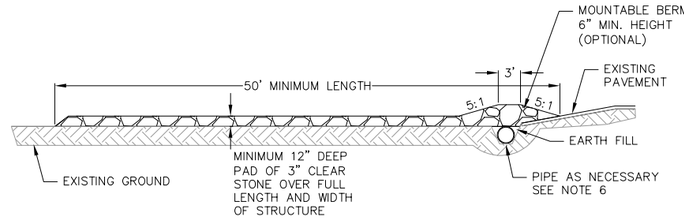


NOTES:

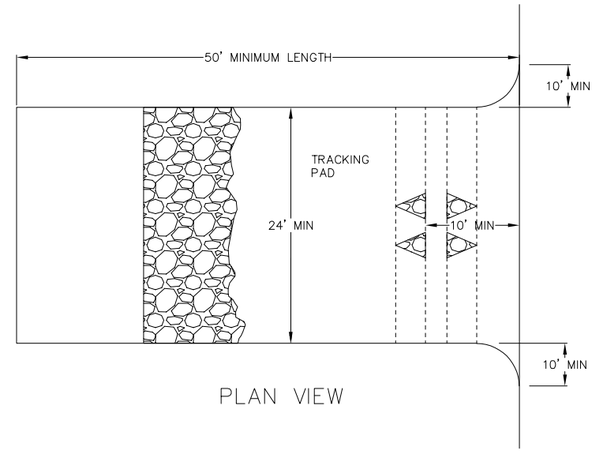
1. INSTALL SILT FENCE TO FOLLOW THE GROUND CONTOURS AS CLOSELY AS POSSIBLE.
2. CURVE THE SILT FENCE UP THE SLOPE TO PREVENT WATER FROM RUNNING AROUND THE ENDS.
3. POST SPACING WITH FENCE SUPPORT MESH = 10 FT. (MAX.)

   POST SPACING WITHOUT FENCE SUPPORT MESH = 6 FT. (MAX.)
4. SILT FENCE SUPPORT MESH CONSISTS OF 14-GAUGE STEEL WIRE WITH A MESH SPACING OF 6 IN. X 6 IN. OR PREFABRICATED POLYMERIC MESH OF EQUIVALENT STRENGTH

2 / 600 SILT FENCE
NOT TO SCALE



PROFILE VIEW



PLAN VIEW

1. FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1057 FOR FURTHER DETAILS AND INSTALLATION.
2. LENGTH – MINIMUM OF 50'
3. WIDTH – 24' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
4. ON SITES WITH A HIGH GROUND WATER TABLE OR WHERE SATURATED CONDITIONS EXIST, GEOTEXTILE FABRIC SHALL BE PLACED OVER EXISTING GROUND PRIOR TO PLACING STONE. FABRIC SHALL BE WISDOT TYPE-HR GEOTEXTILE FABRIC.
5. STONE – CRUSHED 3" CLEAR STONE SHALL BE PLACED AT LEAST 12" DEEP OVER THE ENTIRE LENGTH AND WIDTH OF ENTRANCE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE. MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" STONE OVER THE PIPE. PIPE SHALL BE SIZED ACCORDING TO THE DRAINAGE REQUIREMENTS. WHEN THE ENTRANCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE SHALL NOT BE NECESSARY. THE MINIMUM PIPE DIAMETER SHALL BE 6". CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF SAID PIPE.
7. LOCATION – A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS AND/OR LEAVES THE CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE TRACKING PAD.

3 / 600 TRACKING PAD
NOT TO SCALE

NOT FOR CONSTRUCTION

vierbicher planners engineers advisors

CONSTRUCTION DETAILS
HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

REVISIONS			
NO.	DATE	REMARKS	

REVISIONS			
NO.	DATE	REMARKS	

DATE 3/12/2025
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CHECKED JLIL
PROJECT NO. 240559

C600

12 Mar 2025 - 1:02p M:\Woronora Ventures, LLC\240559_Hartung Building B\CADD\240559 - Title and Details.dwg by: bbar

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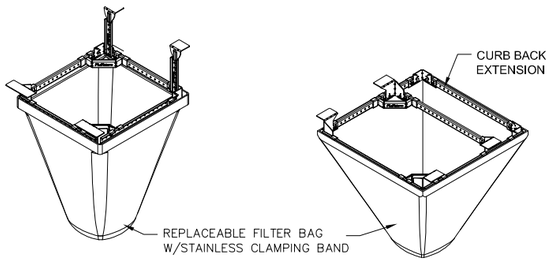
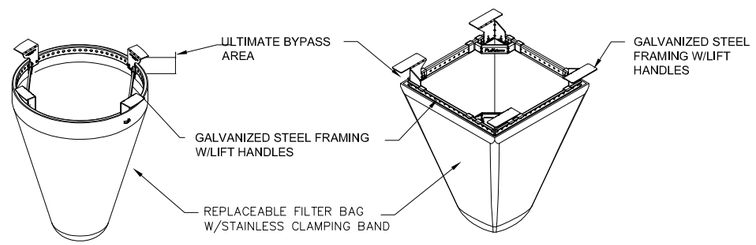


FLEXSTORM CATCH-IT INLET FITLERS FOR ROLLED CURB

FLEXSTORM CATCH-IT INLET FITLERS FOR CURB BOX OPENINGS (MAGNETIC CURB FLAP)



FLEXSTORM CATCH-IT INLET FILTERS FOR ROUND OPENINGS

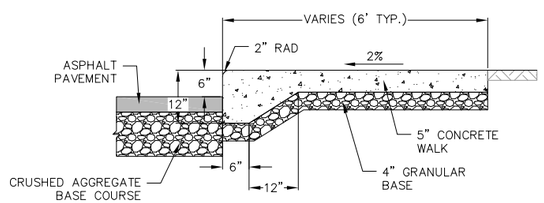
FLEXSTORM CATCH-IT INLET FITLERS FOR SQUARE/RECTANGULAR OPENINGS

NEENAH CASTING	INLET TYPE	GRATE SIZE	OPENING SIZE	ADS P/N
1040/1642/1733	ROUND	26	24	62MRDFX
3067 W/FLAP	CURB BOX	35.25 X 17.75	33.0 X 15.0	62LCBEXTFX
3067 EXTENDED BACK	CURB BOX	35.25 X 17.75	33.0 X 15.0	62LCBEXTFX
3246A	CURB BOX	35.75 X 23.875	33.5 X 21.0	62LCBFX
3030	SQUARE/RECT	23 X 16	20.5 X 13.5	62MCBFX
3067-C	SQUARE/RECT	35.25 X 17.75	33 X 15	62LSQFX

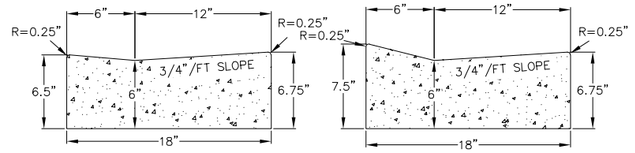
INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, ANY TRAPPED MATERIAL THAT FALLS INTO THE INLET SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR.

1 / 601 FRAMED INLET PROTECTION
NOT TO SCALE

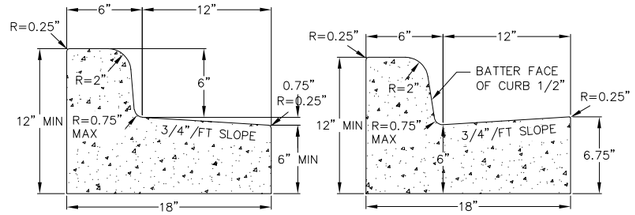


2 / 601 CURBED SIDEWALK SITE DETAIL
NOT TO SCALE



HANDICAP RAMP GUTTER CROSS SECTION

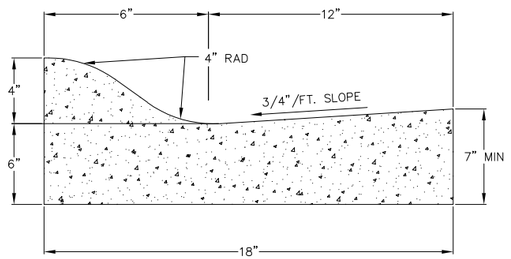
DRIVEWAY GUTTER CROSS SECTION



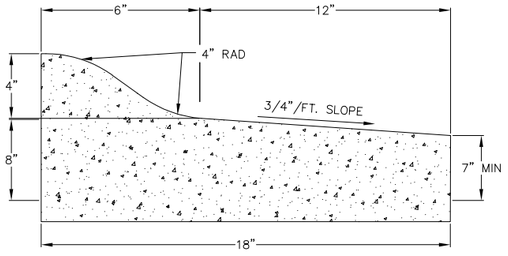
CURB AND GUTTER REJECT SECTION

CURB AND GUTTER CROSS SECTION

3 / 601 18" CONCRETE CURB AND GUTTER
NOT TO SCALE

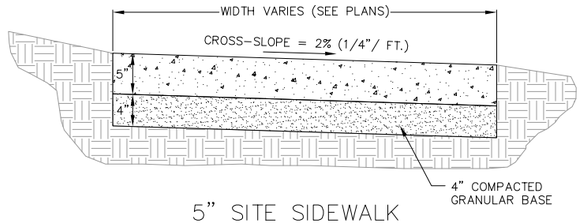


CURB AND GUTTER CROSS SECTION

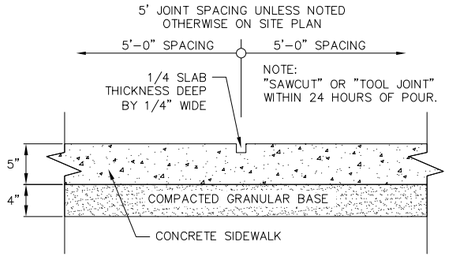


CURB AND GUTTER REJECT SECTION

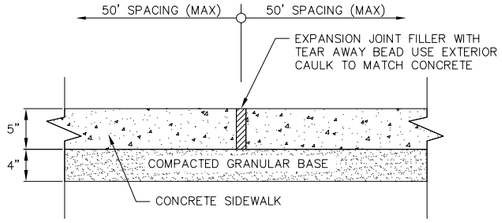
4 / 601 MOUNTABLE 18" CURB SECTION
NOT TO SCALE



5" SITE SIDEWALK

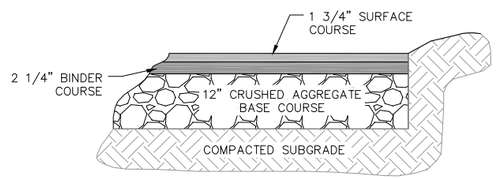


SIDEWALK CONTROL JOINT



SIDEWALK EXPANSION JOINT

5 / 601 5" SIDEWALK
NOT TO SCALE



BITUMINOUS PAVEMENT DRIVES

6 / 601 ASPHALT PAVEMENT
NOT TO SCALE

CONSTRUCTION DETAILS

HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

REVISIONS NO.	DATE	REMARKS

REVISIONS NO.	DATE	REMARKS

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C601

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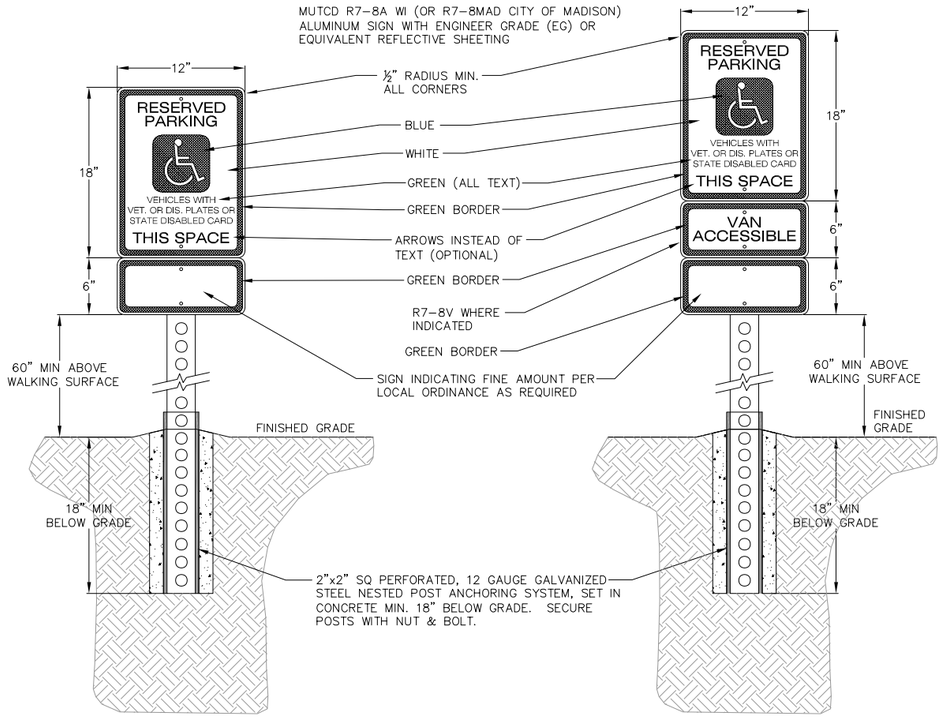
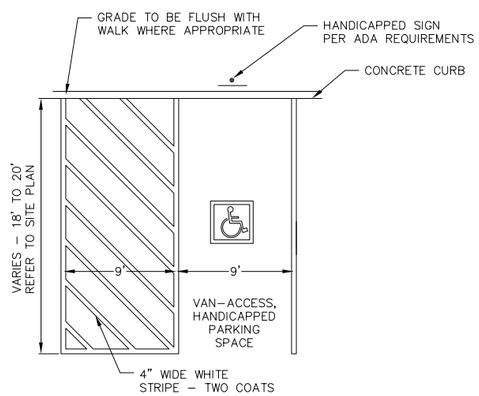
NOTE:
SIGN TO BE CENTERED AT THE INTERIOR END OF PARKING SPACE

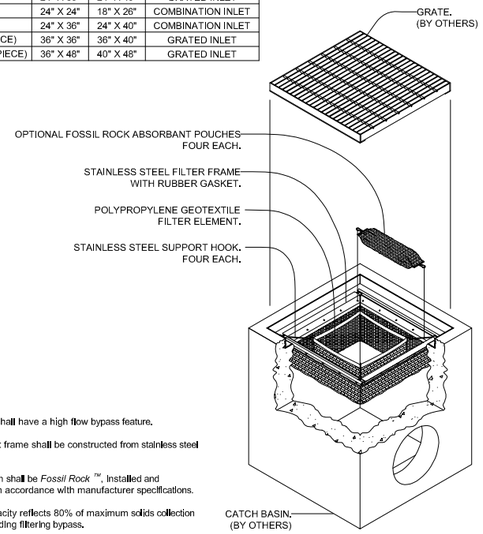


1 / 602 HANDICAP SIGN DETAIL
NOT TO SCALE



2 / 602 HANDICAP STRIPING
NOT TO SCALE

SPECIFIER CHART			
MODEL	INLET ID	GRATE OD	COMMENTS
FF-12D	12" X 12"	15" X 15"	GRATED INLET
FF-16D	16" X 16"	18" X 18"	GRATED INLET
FF-18D	18" X 18"	20" X 20"	GRATED INLET
FF-1836SD	18" X 36"	18" X 40"	GRATED INLET
FF-1836DGO	18" X 36"	18" X 40"	COMBINATION INLET
FF-24D	24" X 24"	26" X 26"	GRATED INLET
FF-2436SD	24" X 36"	24" X 40"	GRATED INLET
FF-24DGO	24" X 24"	18" X 26"	COMBINATION INLET
FF-2436DGO	24" X 36"	24" X 40"	COMBINATION INLET
FF-36D (2 PIECE)	36" X 36"	36" X 40"	GRATED INLET
FF-3648D (2 PIECE)	36" X 48"	40" X 48"	GRATED INLET



NOTES:

1. Filter insert shall have a high flow bypass feature.
2. Filter support frame shall be constructed from stainless steel Type 304.
3. Filter medium shall be *Fossil Rock* ™, installed and maintained in accordance with manufacturer specifications.
4. Storage capacity reflects 80% of maximum solids collection prior to impeding filtering bypass.

FloGard®
Catch Basin Insert Filter
Grated Inlet Style

Oldcastle® Stormwater Solutions
7921 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com

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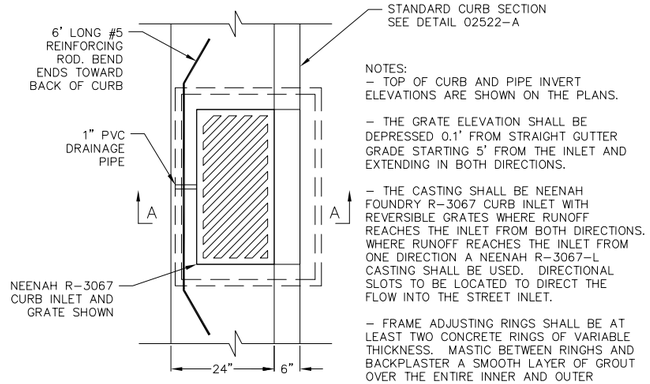
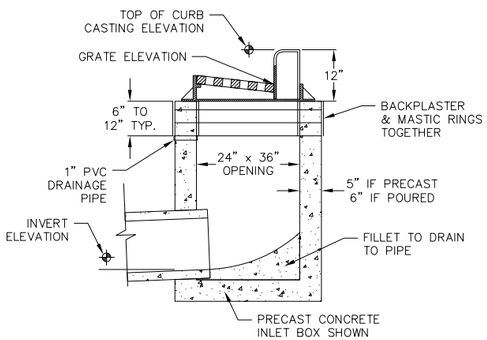
DRAWING NO.	REV	ECO	DATE	SHEET
FG-0001	E	ECO-01442 JPR 7/13/16	JPR 12/18/06	SHEET 1 OF 2

3 / 602 OIL & GREASE INLET FILTER
NOT TO SCALE



NOTES:
- TOP OF CURB AND PIPE INVERT ELEVATIONS ARE SHOWN ON THE PLANS.
- THE GRATE ELEVATION SHALL BE DEPRESSED 0.1' FROM STRAIGHT GUTTER GRADE STARTING 5' FROM THE INLET AND EXTENDING IN BOTH DIRECTIONS.
- THE CASTING SHALL BE NEENAH FOUNDRY R-3067 CURB INLET WITH REVERSIBLE GRATES WHERE RUNOFF REACHES THE INLET FROM BOTH DIRECTIONS. WHERE RUNOFF REACHES THE INLET FROM ONE DIRECTION A NEENAH R-3067-L CASTING SHALL BE USED. DIRECTIONAL SLOTS TO BE LOCATED TO DIRECT THE FLOW INTO THE STREET INLET.
- FRAME ADJUSTING RINGS SHALL BE AT LEAST TWO CONCRETE RINGS OF VARIABLE THICKNESS. MASTIC BETWEEN RINGHS AND BACKPLASTER A SMOOTH LAYER OF GROUT OVER THE ENTIRE INNER AND OUTER SURFACES OF THE RINGS.

PLAN VIEW



SECTION A-A

4 / 602 RECTANGULAR STREET INLET
NOT TO SCALE

NOT FOR CONSTRUCTION

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CONSTRUCTION DETAILS
HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

REVISIONS			
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NO.	DATE	REMARKS	

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PROJECT NO. 240559

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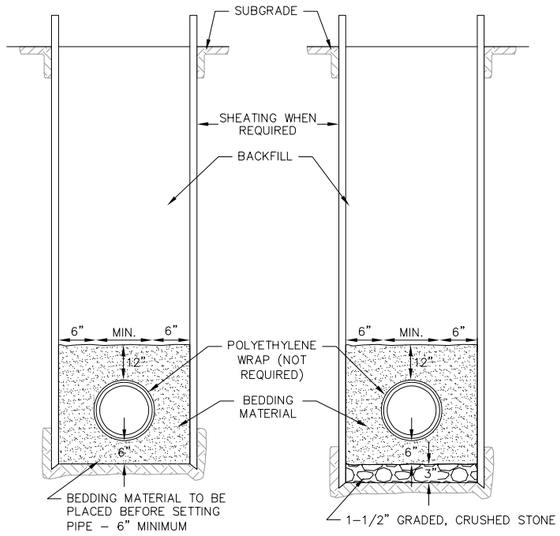
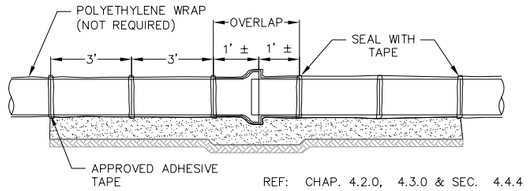


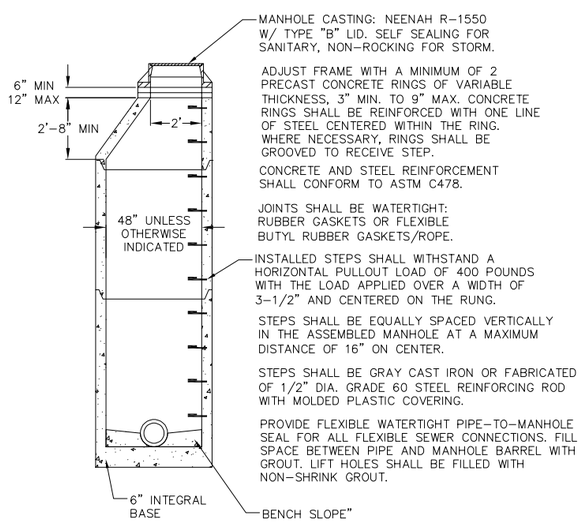
DRY TRENCH CONDITION

WET OR UNSTABLE CONDITION

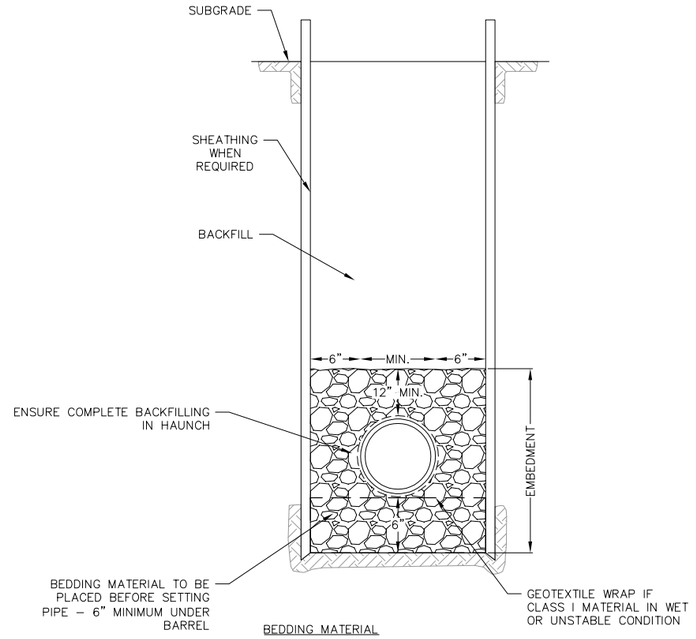


REF: CHAP. 4.2.0, 4.3.0 & SEC. 4.4.4

1/603 STANDARD WATER MAIN TRENCH SECTION
NOT TO SCALE



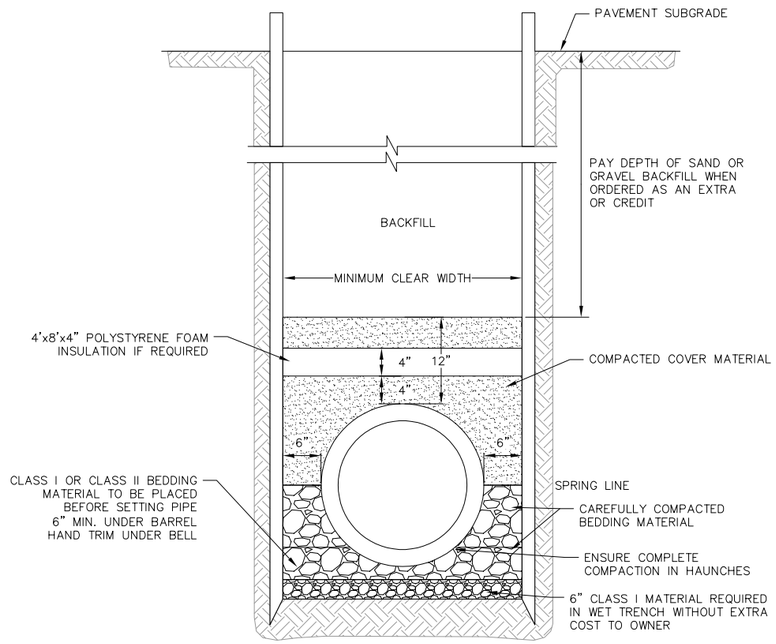
2/603 PRECAST CONCRETE MANHOLE
NOT TO SCALE



BEDDING MATERIAL

CLASS I, II, OR III FOR BURY DEPTH </= 15'
CLASS I OR II FOR BURY DEPTH >/= 15'
CLASS I OR II IN WET OR UNSTABLE CONDITIONS

3/603 STANDARD SANITARY TRENCH SECTION
NOT TO SCALE



4/603 STORM PIPE TRENCH SECTION
NOT TO SCALE

NOT FOR CONSTRUCTION

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CONSTRUCTION DETAILS
HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

REVISIONS

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REVISIONS

NO.	DATE	REMARKS

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12 Mar 2025 - 3:54p M:\Woronora Ventures, LLC\240559_Hartung Building B\CADD\240559 - Landscape.dwg by: bbar

(2) Vp
(2) Js
(1) Vp
(2) Js
(1) Sc
(2) Js
(1) Sc
(2) Jc2
(1) Sc
(2) Js
(1) Sc
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(2) Vp
(1) Qb
(2) Js
(1) Vp
(2) Js
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(2) Vc
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(1) Qb
(1) Co2
(3) Ca2
(1) Al
(1) Ca2
(2) Po
(1) Am
(1) Po
(1) Am
(2) Po
(2) Ca2
(2) Ca2
(1) Am
(1) Qm
(1) Ca2
(1) Vp
(1) Ca2
(1) Vp
(3) Ca2
(1) Bg
(1) Bg
(3) Ca2
(1) Am
(3) TO-2
(2) Am
(2) Vc
(2) TO-2
(3) Ca2
(5) Co3
(1) Co3
(3) Am
(1) Jc2
(4) Ca2
(3) Po
(3) Vp
(4) Pp3
(3) Jc2
(3) Qm
(1) Co3
(1) Jc2
(1) Po
(1) Qm

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vierbicher
planners engineers advisors

Landscape Plan

HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

REVISIONS			
NO.	DATE	REMARKS	

REVISIONS			
NO.	DATE	REMARKS	

DATE
3/12/2025

DRAFTER
EGOR

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JLIL

PROJECT NO.
240559

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PLANT MATERIAL NOTES:

1. ALL PLANTINGS SHALL CONFORM TO QUALITY REQUIREMENTS AS PER ANSI Z60.1.
2. ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY AND SIZE SPECIFIED, NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES, AND UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE OF THE PROJECT SITE.
3. CONTACT LANDSCAPE ARCHITECT, IN WRITING, TO REQUEST ANY PLANT MATERIAL SUBSTITUTIONS DUE TO AVAILABILITY ISSUES.
4. ALL PLANTS SHALL BE GUARANTEED TO BE IN HEALTHY AND FLOURISHING CONDITION DURING THE GROWING SEASON FOLLOWING INSTALLATION. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM THE TIME OF INSTALLATION.
5. EXACT LOCATIONS OF EACH PLANT ARE GIVEN IN PLAN. WHILE SLIGHT DEVIATIONS ARE ACCEPTABLE, OVERALL SCHEMATIC/ORIENTATION TO BE ADHERED TO AS ACCURATELY AS POSSIBLE.

LANDSCAPE MATERIAL NOTES:

1. CONTRACTOR SHALL PROVIDE A SUITABLE AMENDED TOPSOIL BLEND FOR ALL PLANTING AREAS WHERE SOIL CONDITIONS ARE UNSUITABLE FOR PLANT GROWTH. TOPSOIL SHALL CONFORM TO QUALITY REQUIREMENTS AS PER SECTION 625.2(1) OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION." PROVIDE A MINIMUM OF 18" OF TOPSOIL IN ALL PLANTING AREAS AND 6" OF TOPSOIL IN AREAS TO BE SEEDED/SODDED.
2. SUBSOIL UNDER TURF AND PLANTING BEDS MUST BE FREE DRAINING AND LOOSE TO ALLOW ROOT PENETRATION AND DRAINAGE. LANDSCAPE CONTRACTOR SHOULD NOTIFY GENERAL CONTRACTOR IF SUBSURFACE COMPACTION IS UNFIT FOR PLANTING. LANDSCAPE CONTRACTOR IS NOT RESPONSIBLE FOR SUBSURFACE SOIL PREPARATION.
3. LANDSCAPE BEDS TO BE MULCHED WITH WHITE CEDAR MULCH TO 2" DEPTH MIN.
4. WASHED STONE AREAS ARE TO BE INSTALLED USING 1"–2". WASHED STONE TO A DEPTH OF 3" MINIMUM. LAY COMMERCIAL GRADE LANDSCAPE FABRIC BETWEEN GRADE AND STONE.
5. LANDSCAPE BEDS, STONE AREAS AND SEEDED AREAS ARE SEPARATED WITH COMMERCIAL GRADE ALUMINUM LANDSCAPE EDGING, PERMALOC CLEANLINE $\frac{3}{16}$"X4" OR EQUAL, COLOR BLACK ANODIZED.
6. ALL TREES AND/OR SHRUBS PLANTED IN SEEDED AREAS TO BE INSTALLED WITH A 6' DIAMETER MULCH RING AND SHOVEL CUT EDGE. A SLOW RELEASE FERTILIZER AND MYCORRHIZAL INOCULATE SHOULD BE APPLIED TOPICALLY AT TIME OF PLANTING PRIOR TO MULCH APPLICATION. APPLICATION RATES TO REFLECT MANUFACTURER SPECIFICATIONS.

SEEDING AND PLUG PLANTING NOTES:

1. ALL AREAS LABELED 'TURF' AND UNLABELED DISTURBED AREAS, TO BE SEEDED WITH 'MADISON PARKS' SEED MIX BY LA CROSSE SEED OR EQUIVALENT. ALL SEEDED AREAS ARE TO BE WATERED DAILY TO MAINTAIN ADEQUATE SOIL MOISTURE FOR PROPER GERMINATION. AFTER VIGOROUS GROWTH IS ESTABLISHED, APPLY $\frac{1}{2}$" WATER TWICE WEEKLY UNTIL FINAL ACCEPTANCE. (PRIOR TO ROUTINE MAINTENANCE SCHEDULE ESTABLISHMENT, MOWING SHOULD OCCUR TO MAINTAIN A TURF HEIGHT OF 3"–6".) PRIOR TO SEEDING APPLY A MINIMUM OF 4" TOPSOIL TO ENTIRE AREA. FOLLOWING SEEDING APPLY A MULCH LAYER OF STRAW OR STRAW MAT.
4. INSTALL GROUNDCOVERS (GC) AS 2.5" PLUGS OR EQUAL. PLUGS TO BE INSTALLED 12" ON CENTER IN A TRIANGULAR GRID PATTERN. PLANT SPECIES RANDOMLY THROUGHOUT SPECIFIED AREA, MAINTAINING A REPRESENTATIVE RATIO OF SPECIES AS SHOWN IN THE CONCEPT PLANT SCHEDULE THROUGHOUT PLANTING. PLUG NUMBERS ARE APPROXIMATE BASED ON AREA, CONTRACTOR TO CONFIRM QUANTITIES. QUANTITIES IN SCHEDULE REPRESENT TOTAL PLUGS PER SPECIES FOR ALL GROUNDCOVER AREAS SHOWN, EACH AREA TO RECEIVE A REPRESENTATIVE FRACTION OF PLUGS BASED ON THE SQUARE FOOTAGE OF EACH RESPECTIVE PLANTING LOCATION SPECIFIED. WHERE SHRUBS/TREES ARE SHOWN WITHIN GROUNDCOVER AREAS, SUBSTITUTE SHRUB/TREE FOR PLUG AND SPACE SURROUNDING PLUGS 12" FROM SHRUB/TREE ROOT MASS, PATTERN ACCORDING. WHERE PLANTINGS ABUT WALKWAYS AND STRUCTURES, MAINTAIN A 12" BORDER OF MULCH CONTAINING NO PLUGS. APPLY 1/2" WATER DAILY FOR 4 WEEKS FOLLOWING INSTALLATION. APPLY NON–WOVEN GEOTEXTILE WEED BARRIER FABRIC TO SOIL SURFACE PRIOR TO PLANTING, INCISE GAPS IN FABRIC FOR EACH PLUG. APPLY 3" OF SHREDDED HARDWOOD MULCH AT TIME OF PLANTING.
5. ALL AREAS LABELED 'DOG RUN TURF' TO BE SEEDED WITH 'WEAR–N–TEAR' SEED MIX BY LA CROSSE SEED OR EQUIVALENT. ALL SEEDED AREAS ARE TO BE WATERED DAILY TO MAINTAIN ADEQUATE SOIL MOISTURE FOR PROPER GERMINATION. AFTER VIGOROUS GROWTH IS ESTABLISHED, APPLY $\frac{1}{2}$" WATER TWICE WEEKLY UNTIL FINAL ACCEPTANCE. (PRIOR TO ROUTINE MAINTENANCE SCHEDULE ESTABLISHMENT, MOWING SHOULD OCCUR TO MAINTAIN A TURF HEIGHT OF 3"–6".) PRIOR TO SEEDING APPLY A MINIMUM OF 4" TOPSOIL TO ENTIRE AREA. FOLLOWING SEEDING APPLY A MULCH LAYER OF STRAW OR STRAW MAT.

GENERAL LANDSCAPE NOTES:

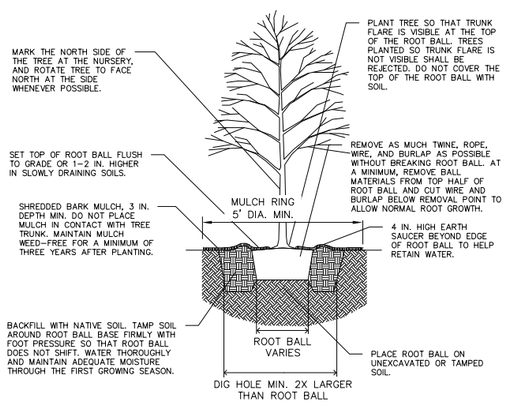
1. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ANY RIGHT OF WAY WORK.
2. CONTRACTOR SHALL VERIFY ALL UTILITIES WITHIN SCOPE OF CONTRACT.
3. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS AT SITE AND COMPLETE WORK PER SCHEDULE.
4. CONTRACTOR SHALL CLEAN ALL PAVEMENT AREAS WITHIN SITE AFTER COMPLETION. CONTRACTOR SHALL CLEAN ANY AFFECTED PAVED AREAS OUTSIDE OF DISTURBANCE DELINEATION DAILY.

PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	NOTES	QTY
DECIDUOUS TREES					
Bp	Betula papyrifera / Paper Birch	B & B	2.5"Cal		1
Co2	Celtis occidentalis / Common Hackberry	B & B	1.5"Cal		2
Qb	Quercus bicolor / Swamp White Oak	B & B	2"Cal		3
Qm	Quercus macrocarpa / Burr Oak	B & B	1.5"Cal		5
EVERGREEN TREES					
Js	Juniperus virginiana 'Hillspire' / Hillspire Eastern Redcedar	B & B	5` ht.		17
TO-2	Thuja occidentalis 'Nigra' / Black Arborvitae	B & B	5` ht.		10
UNDERSTORY TREES					
Al	Amelanchier laevis / Allegheny Serviceberry	B & B	4` ht.		3
CC3	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2"Cal	Multi-Stem	1
Ci	Crataegus crus-galli inermis / Thornless Cockspur Hawthorn	B & B	1.5"Cal		1
DECIDUOUS SHRUBS					
Am	Aronia melanocarpa / Black Chokeberry	Cont.	5 Gal.		16
Ca2	Ceanothus americanus / New Jersey Tea	Cont.	3 Gal.		35
Co3	Cephalanthus occidentalis / Buttonbush	Cont.	5 Gal.		15
Ca-2	Cornus sericea 'Alleman's Compact' / Dwarf Red Twig Dogwood	Cont.	5 Gal.		3
Lo	Lonicera diervilla / Honeysuckle	Cont.	3 Gal.		17
Po	Physocarpus opulifolius / Ninebark	Cont.	5 Gal.		11
Pp3	Prunus pumila besseyi / Western Sand Cherry	Cont.	5 Gal.		4
Sc	Sambucus canadensis / American Elderberry	Cont.	5 Gal.		5
Vc	Viburnum cassinoides / Witherod Viburnum	Cont.	5 Gal.		7
Vp	Viburnum prunifolium / Blackhaw Viburnum	B & B	4` ht.		14
EVERGREEN SHRUBS					
Bg	Buxus x 'Green Mountain' / Green Mountain Boxwood	Cont.	5 Gal.		2
Jc2	Juniperus communis depressa / Common Juniper	Container	5 Gal.		9
PERENNIALS SHADE					
Af	Athyrium filix-femina / Common Lady Fern	Cont.	1 Gal.		6

NOTES:

1. DO NOT HEAVILY PRUNE TREE AT PLANTING. PRUNE ONLY CROSSING LIMBS, CO–DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
2. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
3. WRAP TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.



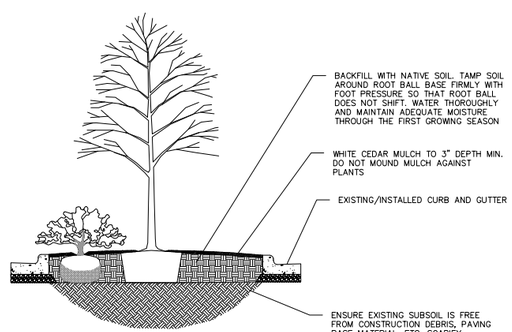
1/1 B&B TREE PLANTING DETAIL
NOT TO SCALE

CONCEPT PLANT SCHEDULE

GROUNDCOVER #1		3,380 sf
	Andropogon gerardii / Big Bluestem	351
	Carex bicknellii / Prairie Sedge	176
	Coreopsis tripteris / Tall Coreopsis	281
	Liatris aspera / Rough Blazing Star	70
	Liatris pycnostachya / Gayfeather	281
	Lilium michiganense / Michigan Lily	70
	Monarda punctata / Spotted Horsemint	105
	Panicum virgatum / Switch Grass	878
	Schizachyrium scoparium / Little Bluestem	702
	Silphium terebinthinaceum / Prairie Dock	70
	Sorghastrum nutans / Indian Grass	351
	Vernonia fasciculata / Ironweed	70
	Veronicastrum virginicum / Culver's Root	105
GROUNDCOVER #2		2,471 sf
	Anemone canadensis / Canadian Anemone	76
	Ascleplas tuberosa / Butterfly Milkweed	155
	Carex brevior / Oval Sedge	514
	Dalea purpurea / Purple Prairie Clover	103
	Echinacea pallida / Pale Purple Coneflower	155
	Eragrostis spectabilis / Purple Lovegrass	514
	Koeleria macrantha / Prairie Junegrass	257
	Rudbeckia hirta / Black-eyed Susan	127
	Sporobolus heterolepis / Prairie Dropseed	667
GROUNDCOVER #4		4,882 sf
	Allium cernuum / Nodding Onion	508
	Carex brevior / Oval Sedge	1,015
	Coreopsis palmata / Stiff Tickseed	405
	Geum triflorum / Prairie Smoke	304
	Liatris aspera / Rough Blazing Star	405
	Phlox pilosa / Downy Phlox	304
	Schizachyrium scoparium / Little Bluestem	812
	Sporobolus heterolepis / Prairie Dropseed	1,319
GROUNDCOVER #3		2,815 sf
	Carex albicans / White-tinged Sedge	1,024
	Carex pensylvanica / Pennsylvania Sedge	439
	Carex rosea / Rosy Sedge	585
	Geranium maculatum / Spotted Geranium	293
	Heuchera richardsonii / Prairie Alum Root	293
	Polemonium reptans / Greek Valerian	293
TURF LaCrosse Seed Co. - Madison Parks Turfgrass Mix		5,282 sf
DOG RUN TURF LaCrosse Seed Co. - Wear-N-Tear Turfgrass Mix		2,026 sf

NOTES:

1. PARKING ISLAND TO BE FREE OF AGGREGATE TO A MINIMUM DEPTH OF 24"
2. ANY PAVEMENT BASE MATERIALS REMAINING FROM PAVEMENT INSTALLATION WITHIN PLANTING AREA SHALL BE REMOVED AND REPLACED WITH NATIVE SOIL PRIOR TO PLANTING



1/1 PARKING ISLAND PLANTING AREA
NOT TO SCALE

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Landscape Schedule

HARTUNG B - ADR SUBMITTAL
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

REVISIONS NO.	DATE	REMARKS

REVISIONS NO.	DATE	REMARKS

DATE 3/12/2025
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PERSPECTIVE 1

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ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W22-0913-2

HARTUNG - B

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PROGRESS DOCUMENTS

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DATE OF ISSUANCE 03/17/2025

REVISION SCHEDULE

Mark	Description	Date

SHEET TITLE

PERSPECTIVE RENDERINGS

SHEET NUMBER

A000

3/17/2025 5:34:14 PM

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

GENERAL NOTES - PARKING LEVEL FLOOR PLAN

1. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY UNLESS OTHERWISE NOTED.
2. INTERIOR DIMENSIONS ARE TO FACE OF STUD OR CONCRETE MASONRY UNIT WALLS UNLESS OTHERWISE NOTED.
3. EXTERIOR WINDOW & DOOR LOCATION DIMENSIONS ARE TO ROUGH OPENING ENDS OF WINDOW/DOOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS WITH MANUFACTURER.
4. ALL CONCRETE MASONRY UNIT (CMU) WALLS SHALL BE TYPE M6-2X UNLESS NOTED OTHERWISE.
5. ALL METAL STUD WALLS SHALL BE AS TAGGED AND/ OR INDICATED ON THE INTERIOR WALL ASSEMBLIES SHEET, UNLESS NOTED OTHERWISE.
6. VERIFY ALL STRUCTURAL MEMBER SIZE, SPACING, REINFORCING, AND BRACING WITH STRUCTURAL DRAWINGS.
7. ANY EXPOSED STEEL THAT SUPPORTS LOAD-BEARING WALLS OR FLOORS SHALL BE PROTECTED BY MEANS OF SPRAY-FIREPROOFING. GENERAL CONTRACTOR TO COORDINATE WITH FINAL DESIGN AND INSTALLATION OF PRECAST CONCRETE STRUCTURAL MEMBERS.
8. ALL WOOD EXPOSED TO THE EXTERIOR OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED.
9. DESIGN-BUILD MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS SHALL MAINTAIN A CLEAR HEIGHT OF 7'-0" MINIMUM IN VEHICLE AND PEDESTRIAN TRAFFIC AREAS PER 2015 IBC 406.
10. VERIFY QUANTITY AND LOCATION OF INTERIOR AND EXTERIOR HOSE BIBBS WITH OWNER.
11. VERIFY QUANTITY, LOCATION, AND TYPE OF ELECTRICAL OUTLETS IN PARKING AREA WITH OWNER.
12. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO VERIFY REQUIREMENTS OF ALL TRADES INCLUDING: PRECAST, PLUMBING, SPRINKLERS, HVAC, ELEVATOR & ELECTRICAL.
13. GENERAL CONTRACTOR DOOR COORDINATE ALL PENETRATION AND OPENINGS THROUGH PRECAST PLANK WITH PRECAST PLAND PROVIDER, MEP CONTRACTORS, AND ARCHITECT.
14. COORDINATE LOCATION OF PRECAST PLANK DEPTHS W/ PRECAST SHOP DRAWINGS PRIOR TO POURING WALLS.
15. CONTRACTOR TO VERIFY LOCATIONS OF GAS METER, ELECTRICAL METERS, AND THEIR SPACE REQUIREMENTS PRIOR TO CONSTRUCTION.

KEYNOTE SCHEDULE

MARK	NOTE
23.82.03	HVAC LOUVER

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SHEET TITLE

FIRST FLOOR PLAN

SHEET NUMBER

A101

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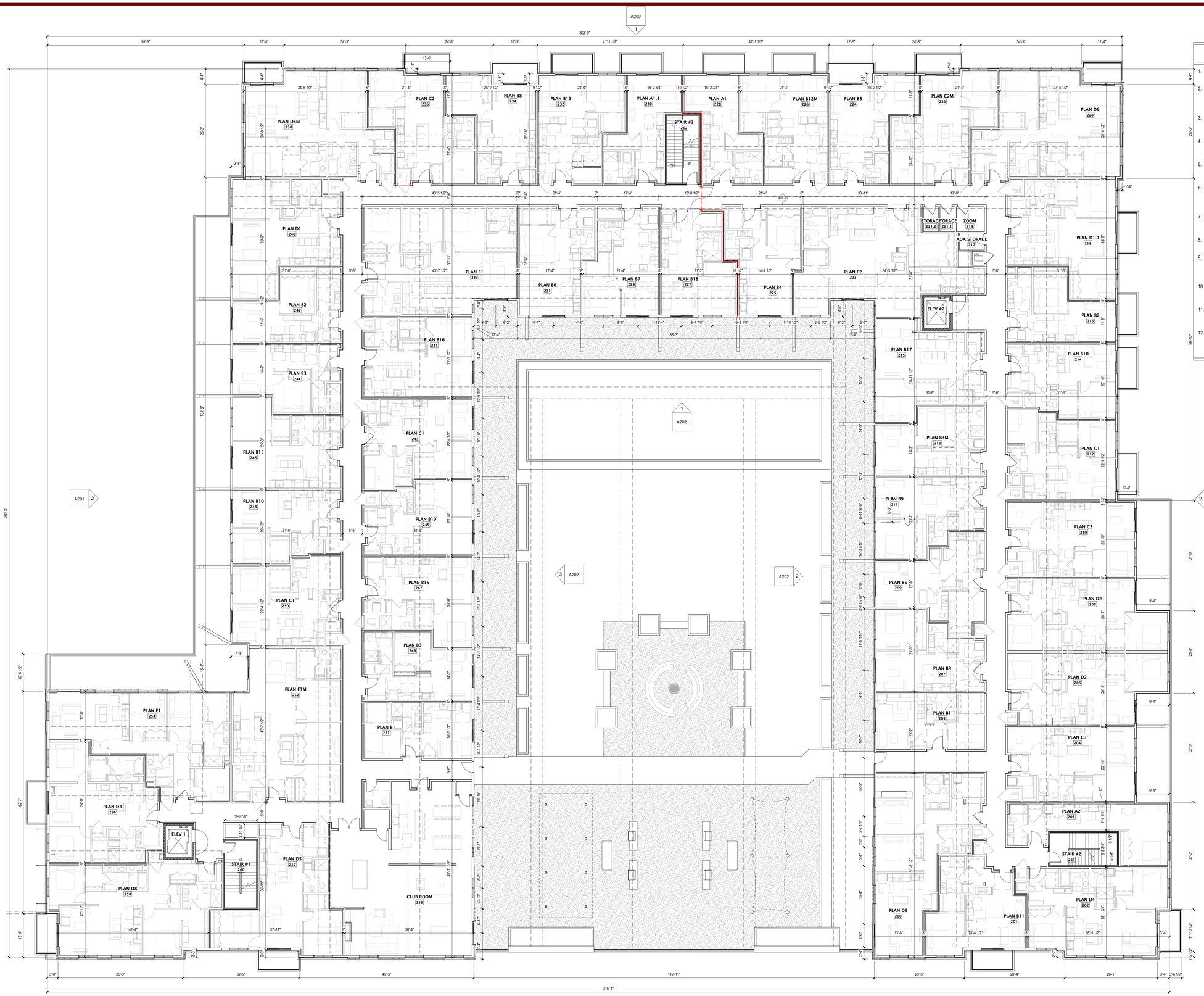

16 SECOND FLOOR PLAN
3/32" = 1'-0"

GENERAL PLAN NOTES

1. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY WALLS UNLESS OTHERWISE NOTED.
2. WINDOW & DOOR LOCATION DIMENSIONS ARE TO CENTERLINE OF WINDOW/DOOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS WITH MANUFACTURER.
3. VERIFY ALL STRUCTURAL MEMBER SIZE, SPACING, REINFORCING, AND BRACING WITH STRUCTURAL DRAWINGS.
4. ALL WOOD EXPOSED TO THE EXTERIOR OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
5. VERIFY ALL WINDOW, DOOR, TUB, SHOWER, FIREPLACE, APPLIANCE, EQUIPMENT, ETC. ROUGH OPENINGS & CLEARANCE REQUIREMENTS WITH MANUFACTURER.
6. PROVIDE SOUND BATT INSULATION AT ALL WALLS SURROUNDING BATHROOMS, LAUNDRY ROOMS/ CLOSETS, MECHANICAL ROOMS/ CLOSETS, AND OTHER PLUMBING WALLS.
7. PROVIDE BLOCKING AT ALL GRAB BAR LOCATIONS - INCLUDING LOCATIONS OF FUTURE GRAB BARS & SEATS IN BATHROOMS DESIGNATED AS ACCESSIBLE.
8. PROVIDE FIREBLOCKING PER 2015 IBC 718.2.1 - TYPICAL THROUGHOUT ENTIRE BUILDING.
9. FIELD VERIFY ALL CABINETRY LAYOUTS AND COORDINATE WITH THE DIMENSIONAL REQUIREMENTS OF ALL APPLIANCES & FIXTURES. PROVIDE FINISHED END PANELS AT ALL EXPOSED CABINETRY ENDS.
10. CAULK AT PERIMETER OF ALL TUB & SHOWER ENCLOSURES. CAULK AT PERIMETER OF ALL COUNTERTOP BACKSPLASHES & SIDESPLASHES.
11. INSTALL FIXTURES, ACCESSORIES, ETC. ACCORDING TO THE MOUNTING HEIGHT SCHEDULE.
12. ALL WINDOWS & PATIO DOORS SHALL BE AS SPECIFIED IN THE SCOPE SPECIFICATIONS AND AS INDICATED ON THE EXTERIOR MATERIAL AND WINDOW SCHEDULES.

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UNIT A2 (OLD)- ENLARGED PLAN	
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UNIT A3- ENLARGED PLAN	
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UNIT B1-ALTERNATE- ENLARGED PLAN	
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UNIT B2M- ENLARGED PLAN	A411
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UNIT B3M- ENLARGED PLAN	A411
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UNIT B7A- ENLARGED PLAN-ALTERNATE	A421
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Mark	Description	Date
1		

SHEET TITLE

SECOND FLOOR PLAN

SHEET NUMBER

A102

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16 THIRD FLOOR PLAN
3/32" = 1'-0"

GENERAL PLAN NOTES

1. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY WALLS UNLESS OTHERWISE NOTED.
2. WINDOW & DOOR LOCATION DIMENSIONS ARE TO CENTERLINE OF WINDOW/DOOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS WITH MANUFACTURER.
3. VERIFY ALL STRUCTURAL MEMBER SIZE, SPACING, REINFORCING, AND BRACING WITH STRUCTURAL DRAWINGS.
4. ALL WOOD EXPOSED TO THE EXTERIOR OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
5. VERIFY ALL WINDOW, DOOR, TUB, SHOWER, FIREPLACE, APPLIANCE, EQUIPMENT, ETC. ROUGH OPENINGS & CLEARANCE REQUIREMENTS WITH MANUFACTURER.
6. PROVIDE SOUND BATT INSULATION AT ALL WALLS SURROUNDING BATHROOMS, LAUNDRY ROOMS/ CLOSETS, MECHANICAL ROOMS/ CLOSETS, AND OTHER PLUMBING WALLS.
7. PROVIDE BLOCKING AT ALL GRAB BAR LOCATIONS - INCLUDING LOCATIONS OF FUTURE GRAB BARS & SEATS IN BATHROOMS DESIGNATED AS ACCESSIBLE.
8. PROVIDE FIREBLOCKING PER 2015 IBC 718.2.1 - TYPICAL THROUGHOUT ENTIRE BUILDING.
9. FIELD VERIFY ALL CABINETRY LAYOUTS AND COORDINATE WITH THE DIMENSIONAL REQUIREMENTS OF ALL APPLIANCES & FIXTURES. PROVIDE FINISHED END PANELS AT ALL EXPOSED CABINETRY ENDS.
10. CAULK AT PERIMETER OF ALL TUB & SHOWER ENCLOSURES. CAULK AT PERIMETER OF ALL COUNTERTOP BACKSPLASHES & SIDESPLASHES.
11. INSTALL FIXTURES, ACCESSORIES, ETC. ACCORDING TO THE MOUNTING HEIGHT SCHEDULE.
12. ALL WINDOWS & PATIO DOORS SHALL BE AS SPECIFIED IN THE SCOPE SPECIFICATIONS AND AS INDICATED ON THE EXTERIOR MATERIAL AND WINDOW SCHEDULES.

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UNIT A2- ENLARGED PLAN	A410
UNIT A3- ENLARGED PLAN	
UNIT B1- ENLARGED PLAN	A410
UNIT B1-ALTERNATE- ENLARGED PLAN	
UNIT B2- ENLARGED PLAN	A411
UNIT B2M- ENLARGED PLAN	A411
UNIT B3- ENLARGED PLAN	A411
UNIT B3M- ENLARGED PLAN	A411
UNIT B4- ENLARGED PLAN	A411
UNIT B5- ENLARGED PLAN	A411
UNIT B5- ENLARGED PLAN (OLD)	
UNIT B6- ENLARGED PLAN	A411
UNIT B7- ENLARGED PLAN	A412
UNIT B7A- ENLARGED PLAN	A421
UNIT B7A- ENLARGED PLAN-ALTERNATE	A421
UNIT B8- ENLARGED PLAN	A412
UNIT B8M- ENLARGED PLAN	A412
UNIT B9 (OCHALLA)- ENLARGED PLAN - revised to A1	
UNIT B9- ENLARGED PLAN	A412
UNIT B9M- ENLARGED PLAN	A412
UNIT B10- ENLARGED PLAN	A413
UNIT B10M- ENLARGED PLAN	A413
UNIT B11- ENLARGED PLAN	A413
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UNIT B12M- ENLARGED PLAN	A413
UNIT B13- ENLARGED PLAN	A413
UNIT B14- ENLARGED PLAN	A413
UNIT B15- ENLARGED PLAN	A414
UNIT B16- ENLARGED PLAN	A414
UNIT B17- ENLARGED PLAN	A414
UNIT B18- ENLARGED PLAN	A412
UNIT C1- ENLARGED PLAN	A415
UNIT C1.1- ENLARGED PLAN (old)	
UNIT C1M- ENLARGED PLAN	A415
UNIT C2- ENLARGED PLAN	A415
UNIT C2M- ENLARGED PLAN	A415
UNIT C3- ENLARGED PLAN	A415
UNIT D1- ENLARGED PLAN	A416
UNIT D1- ENLARGED PLAN (OLD)	
UNIT D1.1- ENLARGED PLAN	A416
UNIT D2- ENLARGED PLAN	A416
UNIT D2-TYPE A - ENLARGED PLAN	A421
UNIT D2-TYPE A - ENLARGED PLAN (OLD)	
UNIT D2M- ENLARGED PLAN	A416
UNIT D3- ENLARGED PLAN	A417
UNIT D4- ENLARGED PLAN	A417
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UNIT D6- ENLARGED PLAN	A418
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UNIT D8- ENLARGED PLAN	A419
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UNIT D9- ENLARGED PLAN	A419
UNIT E1- ENLARGED PLAN	A419
UNIT E2- ENLARGED PLAN	A419
UNIT F1- ENLARGED PLAN	A420
UNIT F1- ENLARGED PLAN- TYPE A	A421
UNIT F1M- ENLARGED PLAN	A420
UNIT F2- ENLARGED PLAN	A420

PROGRESS DOCUMENTS

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DATE OF ISSUANCE 03/17/2025

REVISION SCHEDULE

Mark	Description	Date
1		

SHEET TITLE

THIRD FLOOR PLAN

SHEET NUMBER

A103

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JLA PROJECT NUMBER: W22-0913-2

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3/17/2025 5:34:31 PM

16 FOURTH FLOOR PLAN
3/32" = 1'-0"

GENERAL PLAN NOTES

1. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY WALLS UNLESS OTHERWISE NOTED.
2. WINDOW & DOOR LOCATION DIMENSIONS ARE TO CENTERLINE OF WINDOW/DOOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS WITH MANUFACTURER.
3. VERIFY ALL STRUCTURAL MEMBER SIZE, SPACING, REINFORCING, AND BRACING WITH STRUCTURAL DRAWINGS.
4. ALL WOOD EXPOSED TO THE EXTERIOR OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
5. VERIFY ALL WINDOW, DOOR, TUB, SHOWER, FIREPLACE, APPLIANCE, EQUIPMENT, ETC. ROUGH OPENINGS & CLEARANCE REQUIREMENTS WITH MANUFACTURER.
6. PROVIDE SOUND BATT INSULATION AT ALL WALLS SURROUNDING BATHROOMS, LAUNDRY ROOMS/ CLOSETS, MECHANICAL ROOMS/ CLOSETS, AND OTHER PLUMBING WALLS.
7. PROVIDE BLOCKING AT ALL GRAB BAR LOCATIONS - INCLUDING LOCATIONS OF FUTURE GRAB BARS & SEATS IN BATHROOMS DESIGNATED AS ACCESSIBLE.
8. PROVIDE FIREBLOCKING PER 2015 IBC 718.2.1 - TYPICAL THROUGHOUT ENTIRE BUILDING.
9. FIELD VERIFY ALL CABINETRY LAYOUTS AND COORDINATE WITH THE DIMENSIONAL REQUIREMENTS OF ALL APPLIANCES & FIXTURES. PROVIDE FINISHED END PANELS AT ALL EXPOSED CABINETRY ENDS.
10. CAULK AT PERIMETER OF ALL TUB & SHOWER ENCLOSURES. CAULK AT PERIMETER OF ALL COUNTERTOP BACKSPLASHES & SIDESPLASHES.
11. INSTALL FIXTURES, ACCESSORIES, ETC. ACCORDING TO THE MOUNTING HEIGHT SCHEDULE.
12. ALL WINDOWS & PATIO DOORS SHALL BE AS SPECIFIED IN THE SCOPE SPECIFICATIONS AND AS INDICATED ON THE EXTERIOR MATERIAL AND WINDOW SCHEDULES.

SHEET INDEX – ENLARGED UNIT TYPES

PLAN TYPE	SHEET NO.
3RD FLOOR SW UNIT PLANS	
UNIT A1 - ENLARGED PLAN	
UNIT A1- ENLARGED PLAN	A410
UNIT A1.1- ENLARGED PLAN	A410
UNIT A2 (OLD)- ENLARGED PLAN	
UNIT A2- ENLARGED PLAN	A410
UNIT A3- ENLARGED PLAN	
UNIT B1- ENLARGED PLAN	A410
UNIT B1-ALTERNATE- ENLARGED PLAN	
UNIT B2- ENLARGED PLAN	A411
UNIT B2M- ENLARGED PLAN	A411
UNIT B3- ENLARGED PLAN	A411
UNIT B3M- ENLARGED PLAN	A411
UNIT B4- ENLARGED PLAN	A411
UNIT B5- ENLARGED PLAN	A411
UNIT B5- ENLARGED PLAN (OLD)	
UNIT B6- ENLARGED PLAN	A411
UNIT B7- ENLARGED PLAN	A412
UNIT B7A- ENLARGED PLAN	A421
UNIT B7A- ENLARGED PLAN-ALTERNATE	A421
UNIT B8- ENLARGED PLAN	A412
UNIT B8M- ENLARGED PLAN	A412
UNIT B9 (OCHALLA)- ENLARGED PLAN - revised to A1	
UNIT B9- ENLARGED PLAN	A412
UNIT B9M- ENLARGED PLAN	A412
UNIT B10- ENLARGED PLAN	A413
UNIT B10M- ENLARGED PLAN	A413
UNIT B11- ENLARGED PLAN	A413
UNIT B12- ENLARGED PLAN	A413
UNIT B12M- ENLARGED PLAN	A413
UNIT B13- ENLARGED PLAN	A413
UNIT B14- ENLARGED PLAN	A413
UNIT B15- ENLARGED PLAN	A414
UNIT B16- ENLARGED PLAN	A414
UNIT B17- ENLARGED PLAN	A414
UNIT B18- ENLARGED PLAN	A412
UNIT C1- ENLARGED PLAN	A415
UNIT C1.1- ENLARGED PLAN (old)	
UNIT C1M- ENLARGED PLAN	A415
UNIT C2- ENLARGED PLAN	A415
UNIT C2M- ENLARGED PLAN	A415
UNIT C3- ENLARGED PLAN	A415
UNIT D1- ENLARGED PLAN	A416
UNIT D1- ENLARGED PLAN (OLD)	
UNIT D1.1- ENLARGED PLAN	A416
UNIT D2- ENLARGED PLAN	A416
UNIT D2-TYPE A - ENLARGED PLAN	A421
UNIT D2-TYPE A - ENLARGED PLAN (OLD)	
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UNIT D3- ENLARGED PLAN	A417
UNIT D4- ENLARGED PLAN	A417
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UNIT D6- ENLARGED PLAN	A418
UNIT D6M- ENLARGED PLAN	A418
UNIT D8- ENLARGED PLAN	A419
UNIT D8-TYPE A- ENLARGED PLAN	
UNIT D9- ENLARGED PLAN	A419
UNIT E1- ENLARGED PLAN	A419
UNIT E2- ENLARGED PLAN	A419
UNIT F1- ENLARGED PLAN	A420
UNIT F1- ENLARGED PLAN- TYPE A	A421
UNIT F1M- ENLARGED PLAN	A420
UNIT F2- ENLARGED PLAN	A420

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Mark	Description	Date

SHEET TITLE

FOURTH FLOOR PLAN

SHEET NUMBER

A104

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16 FIFTH FLOOR PLAN
3/32" = 1'-0"

GENERAL PLAN NOTES

1. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY WALLS UNLESS OTHERWISE NOTED.
2. WINDOW & DOOR LOCATION DIMENSIONS ARE TO CENTERLINE OF WINDOW/DOOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS WITH MANUFACTURER.
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7. PROVIDE BLOCKING AT ALL GRAB BAR LOCATIONS - INCLUDING LOCATIONS OF FUTURE GRAB BARS & SEATS IN BATHROOMS DESIGNATED AS ACCESSIBLE.
8. PROVIDE FIREBLOCKING PER 2015 IBC 718.2.1 - TYPICAL THROUGHOUT ENTIRE BUILDING.
9. FIELD VERIFY ALL CABINETRY LAYOUTS AND COORDINATE WITH THE DIMENSIONAL REQUIREMENTS OF ALL APPLIANCES & FIXTURES. PROVIDE FINISHED END PANELS AT ALL EXPOSED CABINETRY ENDS.
10. CAULK AT PERIMETER OF ALL TUB & SHOWER ENCLOSURES. CAULK AT PERIMETER OF ALL COUNTERTOP BACKSPLASHES & SIDESPLASHES.
11. INSTALL FIXTURES, ACCESSORIES, ETC. ACCORDING TO THE MOUNTING HEIGHT SCHEDULE.
12. ALL WINDOWS & PATIO DOORS SHALL BE AS SPECIFIED IN THE SCOPE SPECIFICATIONS AND AS INDICATED ON THE EXTERIOR MATERIAL AND WINDOW SCHEDULES.

SHEET INDEX – ENLARGED UNIT TYPES

PLAN TYPE	SHEET NO.
3RD FLOOR SW UNIT PLANS	
UNIT A1 - ENLARGED PLAN	
UNIT A1- ENLARGED PLAN	A410
UNIT A1.1- ENLARGED PLAN	A410
UNIT A2 (OLD)- ENLARGED PLAN	
UNIT A2- ENLARGED PLAN	A410
UNIT A3- ENLARGED PLAN	
UNIT B1- ENLARGED PLAN	A410
UNIT B1-ALTERNATE- ENLARGED PLAN	
UNIT B2- ENLARGED PLAN	A411
UNIT B2M- ENLARGED PLAN	A411
UNIT B3- ENLARGED PLAN	A411
UNIT B3M- ENLARGED PLAN	A411
UNIT B4- ENLARGED PLAN	A411
UNIT B5- ENLARGED PLAN	A411
UNIT B5- ENLARGED PLAN (OLD)	
UNIT B6- ENLARGED PLAN	A411
UNIT B7- ENLARGED PLAN	A412
UNIT B7A- ENLARGED PLAN	A421
UNIT B7A- ENLARGED PLAN-ALTERNATE	A421
UNIT B8- ENLARGED PLAN	A412
UNIT B8M- ENLARGED PLAN	A412
UNIT B9 (OCHALLA)- ENLARGED PLAN - revised to A1	
UNIT B9- ENLARGED PLAN	A412
UNIT B9M- ENLARGED PLAN	A412
UNIT B10- ENLARGED PLAN	A413
UNIT B10M- ENLARGED PLAN	A413
UNIT B11- ENLARGED PLAN	A413
UNIT B12- ENLARGED PLAN	A413
UNIT B12M- ENLARGED PLAN	A413
UNIT B13- ENLARGED PLAN	A413
UNIT B14- ENLARGED PLAN	A413
UNIT B15- ENLARGED PLAN	A414
UNIT B16- ENLARGED PLAN	A414
UNIT B17- ENLARGED PLAN	A414
UNIT B18- ENLARGED PLAN	A412
UNIT C1- ENLARGED PLAN	A415
UNIT C1.1- ENLARGED PLAN (old)	
UNIT C1M- ENLARGED PLAN	A415
UNIT C2- ENLARGED PLAN	A415
UNIT C2M- ENLARGED PLAN	A415
UNIT C3- ENLARGED PLAN	A415
UNIT D1- ENLARGED PLAN	A416
UNIT D1- ENLARGED PLAN (OLD)	
UNIT D1.1- ENLARGED PLAN	A416
UNIT D2- ENLARGED PLAN	A416
UNIT D2-TYPE A - ENLARGED PLAN	A421
UNIT D2-TYPE A - ENLARGED PLAN (OLD)	
UNIT D2M- ENLARGED PLAN	A416
UNIT D3- ENLARGED PLAN	A417
UNIT D4- ENLARGED PLAN	A417
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UNIT D6- ENLARGED PLAN	A418
UNIT D6M- ENLARGED PLAN	A418
UNIT D8- ENLARGED PLAN	A419
UNIT D8-TYPE A- ENLARGED PLAN	
UNIT D9- ENLARGED PLAN	A419
UNIT E1- ENLARGED PLAN	A419
UNIT E2- ENLARGED PLAN	A419
UNIT F1- ENLARGED PLAN	A420
UNIT F1- ENLARGED PLAN- TYPE A	A421
UNIT F1M- ENLARGED PLAN	A420
UNIT F2- ENLARGED PLAN	A420

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DATE OF ISSUANCE 03/17/2025

REVISION SCHEDULE

Mark	Description	Date

SHEET TITLE

FIFTH FLOOR PLAN

SHEET NUMBER

A105

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JLA PROJECT NUMBER: W22-0913-2

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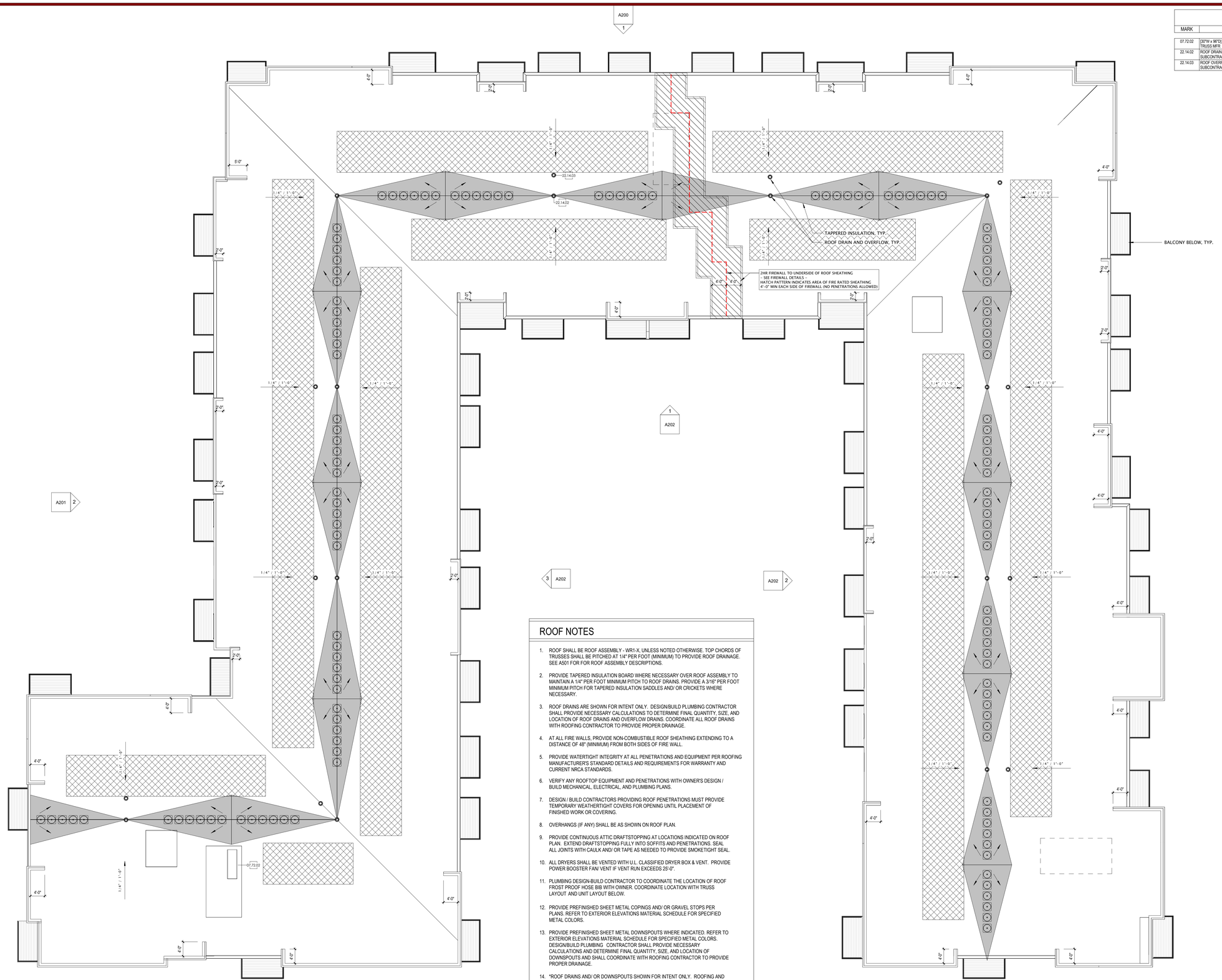
KEYNOTE SCHEDULE	
MARK	NOTE
07.72.02	[30"W x 96"D] CLASS 'A' ROOF HATCH; COORD INSTALL REQS, LOCATION, & SIZE W/ ROOF TRUSS MFR
22.14.02	ROOF DRAIN; COORD MFR INSTALL REQS, LOCATION, & SIZE W/ PLUMBING SUBCONTRACTOR
22.14.03	ROOF OVERFLOW DRAIN; COORD MFR INSTALL REQS, LOCATION, & SIZE W/ PLUMBING SUBCONTRACTOR



ROOF NOTES

1. ROOF SHALL BE ROOF ASSEMBLY - WR1-X, UNLESS NOTED OTHERWISE. TOP CHORDS OF TRUSSES SHALL BE PITCHED AT 1/4" PER FOOT (MINIMUM) TO PROVIDE ROOF DRAINAGE. SEE A501 FOR FOR ROOF ASSEMBLY DESCRIPTIONS.
2. PROVIDE TAPERED INSULATION BOARD WHERE NECESSARY OVER ROOF ASSEMBLY TO MAINTAIN A 1/4" PER FOOT MINIMUM PITCH TO ROOF DRAINS. PROVIDE A 3/16" PER FOOT MINIMUM PITCH FOR TAPERED INSULATION SADDLES AND/ OR CRICKETS WHERE NECESSARY.
3. ROOF DRAINS ARE SHOWN FOR INTENT ONLY. DESIGN/BUILD PLUMBING CONTRACTOR SHALL PROVIDE NECESSARY CALCULATIONS TO DETERMINE FINAL QUANTITY, SIZE, AND LOCATION OF ROOF DRAINS AND OVERFLOW DRAINS. COORDINATE ALL ROOF DRAINS WITH ROOFING CONTRACTOR TO PROVIDE PROPER DRAINAGE.
4. AT ALL FIRE WALLS, PROVIDE NON-COMBUSTIBLE ROOF SHEATHING EXTENDING TO A DISTANCE OF 48" (MINIMUM) FROM BOTH SIDES OF FIRE WALL.
5. PROVIDE WATERTIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURER'S STANDARD DETAILS AND REQUIREMENTS FOR WARRANTY AND CURRENT NRCA STANDARDS.
6. VERIFY ANY ROOFTOP EQUIPMENT AND PENETRATIONS WITH OWNER'S DESIGN / BUILD MECHANICAL, ELECTRICAL, AND PLUMBING PLANS.
7. DESIGN / BUILD CONTRACTORS PROVIDING ROOF PENETRATIONS MUST PROVIDE TEMPORARY WEATHERTIGHT COVERS FOR OPENING UNTIL PLACEMENT OF FINISHED WORK OR COVERING.
8. OVERHANGS (IF ANY) SHALL BE AS SHOWN ON ROOF PLAN.
9. PROVIDE CONTINUOUS ATTIC DRAFTSTOPPING AT LOCATIONS INDICATED ON ROOF PLAN. EXTEND DRAFTSTOPPING FULLY INTO SOFFITS AND PENETRATIONS. SEAL ALL JOINTS WITH CAULK AND/ OR TAPE AS NEEDED TO PROVIDE SMOKETIGHT SEAL.
10. ALL DRYERS SHALL BE VENTED WITH U.L. CLASSIFIED DRYER BOX & VENT. PROVIDE POWER BOOSTER FAN/ VENT IF VENT RUN EXCEEDS 25'-0".
11. PLUMBING DESIGN-BUILD CONTRACTOR TO COORDINATE THE LOCATION OF ROOF FROST PROOF HOSE BIB WITH OWNER. COORDINATE LOCATION WITH TRUSS LAYOUT AND UNIT LAYOUT BELOW.
12. PROVIDE PREFINISHED SHEET METAL COPINGS AND/ OR GRAVEL STOPS PER PLANS. REFER TO EXTERIOR ELEVATIONS MATERIAL SCHEDULE FOR SPECIFIED METAL COLORS.
13. PROVIDE PREFINISHED SHEET METAL DOWNSPOUTS WHERE INDICATED. REFER TO EXTERIOR ELEVATIONS MATERIAL SCHEDULE FOR SPECIFIED METAL COLORS. DESIGN/BUILD PLUMBING CONTRACTOR SHALL PROVIDE NECESSARY CALCULATIONS AND DETERMINE FINAL QUANTITY, SIZE, AND LOCATION OF DOWNSPOUTS AND SHALL COORDINATE WITH ROOFING CONTRACTOR TO PROVIDE PROPER DRAINAGE.
14. *ROOF DRAINS AND/ OR DOWNSPOUTS SHOWN FOR INTENT ONLY. ROOFING AND PLUMBING CONTRACTORS SHALL DETERMINE AND COORDINATE FINAL ROOF DRAIN/ DOWNSPOUT SIZES AND LOCATIONS BASED ON DRAINAGE CALCULATIONS PROVIDED BY PLUMBING SUB-CONTRACTOR.

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

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REVISION SCHEDULE		
Mark	Description	Date

SHEET TITLE

ROOF PLAN

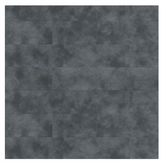
SHEET NUMBER

A110

EXTERIOR MATERIAL LEGEND

BRICK 01

BRICK 02


PANEL 01

PANEL 02

WINDOW COLOR

STONE ROUGH FACE ONLY

FIBER CEMENT SIDING - 6" EXPOSURE

ALUMINUM RAILING - TEXTURED BLACK

EXTERIOR MATERIALS SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	TYPE / STYLE	DIMENSIONS	COLOR
1	WINDOW (DARK)	MARVIN ESSENTIAL WINDOWS	SEE SCHEDULE	SEE WINDOW SCHEDULE	EBONY
2	MASONRY - STONE	ARRISCRAFT BUILDING STONE	RENAISSANCE ROCK FACE	8" x 24"	BARNBOARD
4	MASONRY - 2 (BRICK)	CLOUD CERAMICS-KANSAS BRICK & TILE	UTILITY BRICK	UTILITY SIZE	WINTER BLEND
5	PANEL - 1 (DARK)	NICHIHA	CORBOSA CONCRETE SERIES	TBD	SHADOW
6	PANEL - 2 (ACCENT)	CERACLAD	ORIGINAL DESIGN	TBD	ELEMENTS / CORTEN STEEL
7	SIDING - 1	JAMES HARDIE	CEDARMILL HORIZONTAL	8" NOMINAL (6" EXPOSURE)	COBBLESTONE
8	BALCONY RAILING	JAM SYSTEMS	ADVANTAGE	2 1/2" POSTS, SEE PLANS FOR SIZE	TEXTURED BLACK
9	BALCONY / DECK	TREX	COMPOSITE	SEE PLANS	CLAM SHELL
10	BALCONY FASCIA & TRIM	TBD			TBD
11	PATIO DOORS	MARVIN ESSENTIAL	SEE SCHEDULE	SEE PLANS	EBONY
16	DOOR / WINDOW TRIM	JAMES HARDIE	5/4 NT3 SMOOTH	5/4x4	PAINT TO MATCH COBBLESTONE
20	PRECAST CONCRETE LINTEL-PROFILE #5	TBD	PRECAST CONCRETE	SEE PRECAST PROFILES	SEE PROFILES - SHEET A521
22	SOLDIER COURSE - MASONRY - 1 (BRICK)	CLOUD CERAMICS-KANSAS BRICK & TILE	UTILITY BRICK	UTILITY SIZE	COFFEE
23	PRECAST CONCRETE BAND - PROFILE #5 AND #5	TBD	PRECAST CONCRETE	SEE PRECAST PROFILES	SEE PROFILES - SHEET A521
24	ALUMINUM WINDOWS/DOORS	KAWNEER - OR EQUAL	PREFINISHED ALUMINUM	SEE WINDOW/DOOR SCHEDULE	BLACK
26	PREFINISHED METAL COPING	TBD	PREFINISHED METAL	SEE DETAIL	MATCH WINDOW COLOR

1 NORTH ELEVATION
3/32" = 1'-0"

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

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JLA PROJECT NUMBER: W22-0913-2

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Mark	Description	Date

SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NUMBER

A200

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EXTERIOR MATERIAL LEGEND

BRICK 01

BRICK 02

PANEL 01

PANEL 02

WINDOW COLOR

STONE ROUGH FACE ONLY

FIBER CEMENT SIDING - 6" EXPOSURE

ALUMINUM RAILING - TEXTURED BLACK

EXTERIOR MATERIALS SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	TYPE / STYLE	DIMENSIONS	COLOR
1	WINDOW (DARK)	MARVIN ESSENTIAL WINDOWS	SEE SCHEDULE	SEE WINDOW SCHEDULE	EBONY
2	MASONRY - STONE	ARRISCRAFT BUILDING STONE	RENAISSANCE ROCK FACE	8" x 24"	BARNBOARD
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7	SIDING - 1	JAMES HARDIE	CEDARMILL HORIZONTAL	8" NOMINAL (6" EXPOSURE)	COBBLESTONE
8	BALCONY RAILING	JAM SYSTEMS	ADVANTAGE	2 1/2" POSTS, SEE PLANS FOR SIZE	TEXTURED BLACK
9	BALCONY / DECK	TREX	COMPOSITE	SEE PLANS	CLAM SHELL
10	BALCONY FASCIA & TRIM	TBD			TBD
11	PATIO DOORS	MARVIN ESSENTIAL	SEE SCHEDULE	SEE PLANS	EBONY
16	DOOR / WINDOW TRIM	JAMES HARDIE	5/4 NT3 SMOOTH	5/4x4	PAINT TO MATCH COBBLESTONE
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23	PRECAST CONCRETE BAND - PROFILE #5 AND #5	TBD	PRECAST CONCRETE	SEE PRECAST PROFILES	SEE PROFILES - SHEET A521
24	ALUMINUM WINDOWS/DOORS	KAWNEER - OR EQUAL	PREFINISHED ALUMINUM	SEE WINDOW/DOOR SCHEDULE	BLACK
26	PREFINISHED METAL COPING	TBD	PREFINISHED METAL	SEE DETAIL	MATCH WINDOW COLOR

1 SOUTH ELEVATION
3/32" = 1'-0"

2 WEST ELEVATION
3/32" = 1'-0"

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JLA PROJECT NUMBER: W22-0913-2

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Mark	Description	Date

SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NUMBER

A201

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EXTERIOR MATERIAL LEGEND

BRICK 01

BRICK 02

PANEL 01

PANEL 02

WINDOW COLOR

STONE ROUGH FACE ONLY

FIBER CEMENT SIDING - 6" EXPOSURE

ALUMINUM RAILING - TEXTURED BLACK

EXTERIOR MATERIALS SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	TYPE / STYLE	DIMENSIONS	COLOR
1	WINDOW (DARK)	MARVIN ESSENTIAL WINDOWS	SEE SCHEDULE	SEE WINDOW SCHEDULE	EBONY
2	MASONRY - STONE	ARRISCRAFT BUILDING STONE	RENAISSANCE ROCK FACE	8" x 24"	BARNBOARD
4	MASONRY - 2 (BRICK)	CLOUD CERAMICS-KANSAS BRICK & TILE	UTILITY BRICK	UTILITY SIZE	WINTER BLEND
5	PANEL - 1 (DARK)	NICHIHA	CORBOSA CONCRETE SERIES	TBD	SHADOW
6	PANEL - 2 (ACCENT)	CERACLAD	ORIGINAL DESIGN	TBD	ELEMENTS / CORTEN STEEL
7	SIDING - 1	JAMES HARDIE	CEDARMILL HORIZONTAL	8" NOMINAL (6" EXPOSURE)	COBBLESTONE
8	BALCONY RAILING	JAM SYSTEMS	ADVANTAGE	2 1/2" POSTS, SEE PLANS FOR SIZE	TEXTURED BLACK
9	BALCONY / DECK	TREX	COMPOSITE	SEE PLANS	CLAM SHELL
10	BALCONY FASCIA & TRIM	TBD			TBD
11	PATIO DOORS	MARVIN ESSENTIAL	SEE SCHEDULE	SEE PLANS	EBONY
16	DOOR / WINDOW TRIM	JAMES HARDIE	5/4 NT3 SMOOTH	5/4x4	PAINT TO MATCH COBBLESTONE
20	PRECAST CONCRETE LINTEL-PROFILE #8	TBD	PRECAST CONCRETE	SEE PRECAST PROFILES	SEE PROFILES - SHEET A521
22	SOLDIER COURSE - MASONRY - 1 (BRICK)	CLOUD CERAMICS-KANSAS BRICK & TILE	UTILITY BRICK	UTILITY SIZE	COFFEE
23	PRECAST CONCRETE BAND - PROFILE #9, AND #5	TBD	PRECAST CONCRETE	SEE PRECAST PROFILES	SEE PROFILES - SHEET A521
24	ALUMINUM WINDOWS/DOORS	KAWNEER - OR EQUAL	PREFINISHED ALUMINUM	SEE WINDOW/DOOR SCHEDULE	BLACK
26	PREFINISHED METAL COPING	TBD	PREFINISHED METAL	SEE DETAIL	MATCH WINDOW COLOR

1 SOUTH ELEVATION - PLAZA
3/32" = 1'-0"

2 WEST ELEVATION - PLAZA
3/32" = 1'-0"

3 EAST ELEVATION - PLAZA
3/32" = 1'-0"

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JLA ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W22-0913-2

HARTUNG - B

ARCHITECTURAL DESIGN REVIEW SET

PROGRESS DOCUMENTS

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

DATE OF ISSUANCE 03/17/2025

REVISION SCHEDULE

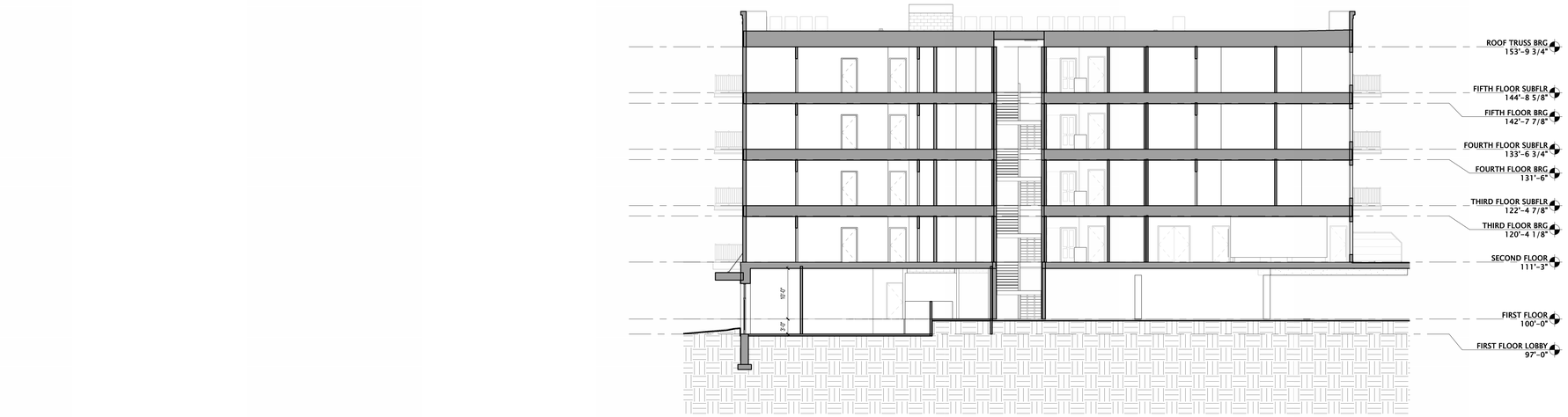
Mark	Description	Date

SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NUMBER

A202



1 BUILDING SECTION 3
3/32" = 1'-0"

2 BUILDING SECTION 2
3/32" = 1'-0"

3 BUILDING SECTION 1
3/32" = 1'-0"

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W22-0913-2

HARTUNG - B

ARCHITECTURAL DESIGN REVIEW SET

PROGRESS DOCUMENTS

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

DATE OF ISSUANCE 03/17/2025

REVISION SCHEDULE

Mark	Description	Date

SHEET TITLE

BUILDING SECTIONS

SHEET NUMBER

A300

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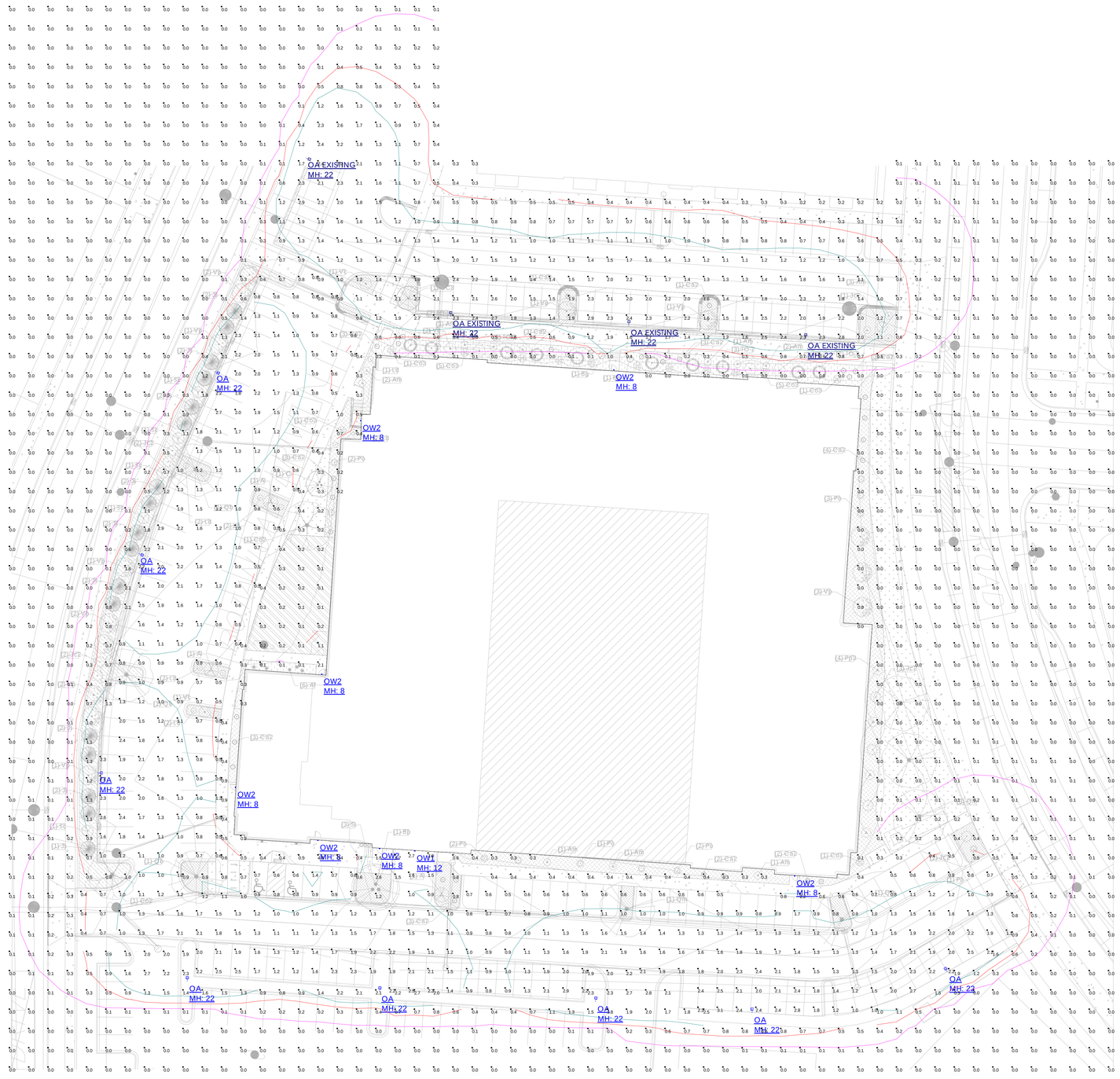


Luminaire Schedule								
Symbol	Qty	Label	Manufacturer	Description	Arrangement	LLF	Luminaire Lumens	Luminaire Watts
	8	OA	LUMARK	PRV-C25-D-UNV-T4-SA-BK-HSS	Single	0.900	11933	96
	4	OA EXISTING	LUMARK	EXISTING PRV-C25-D-UNV-T4-SA-BK-HSS	Single	0.900	11933	96
	1	OW1	LITHONIA	WPX1 LED P1 40K MVOLT DBLXD	Single	0.900	1568	11.47
	7	OW2	LITHONIA	AFF PEL DBLBXD UVOLT LTP SDRT FCT CW	Single	0.900	452	5.48

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CALC POINTS	Illuminance	Fc	0.37	4.8	0.0	N.A.	N.A.
PARKING AND DRIVE	Illuminance	Fc	1.33	3.1	0.4	3.33	7.75

1. STANDARD REFLECTANCE OF 80/50/20 UNLESS NOTED OTHERWISE.
2. NOT A CONSTRUCTION DOCUMENT- FOR DESIGN PURPOSES ONLY.
3. STANDARD INDOOR CALC POINTS @ 30" AFF UNLESS NOTED OTHERWISE.
4. STANDARD OUTDOOR CALC POINTS @ GRADE UNLESS NOTED OTHERWISE.
5. EGRESS CALC POINTS @ 0'-0" AFF.
6. PHOTOMETRICS ARE ESTIMATED LIGHTING CALUCULATIONS.
   VIKING ELECTRIC ASSUMES NO RESPONSIBILITY FOR INSTALLED LIGHT LEVELS DUE TO FIELD CONDITIONS.
7. VIKING ELECTRIC NOT RESPONSIBLE FOR FINAL REVIEW OF CODE REQUIREMENTS.

VIKING electric
A Sonepar Company

#	Date	Comments

Revisions

Drawn By: MB
Project #:131157
Date:2/27/2025
Scale:1"=20'-0"

PHOTOMETRIC SITE PLAN

HARTUNG FIELDS BUILDING B
FITCHBURG, WI

Project	Hartung Fields Building A	**Catalog #**	PRV-C25-740-D-UNV-T4-SA-BK-HSS	**Type**	OA
Prepared by		**Notes**		**Date**	

Lumark

Prevail LED

Area / Site Luminaire

Product Features

LumenSafe Technology · BAA · Light ARchitect™ · FADC

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, 7
- Control Options page 8

Product Certifications

ISO Certified · UL Certified · DLC Listed [1] · DLC Listed Premium [1] · FC Class A CAN ICES-005 · RoHS Compliant · IP66 · ida Dark Sky Approved [2] · 5 Year Limited Warranty

Quick Facts

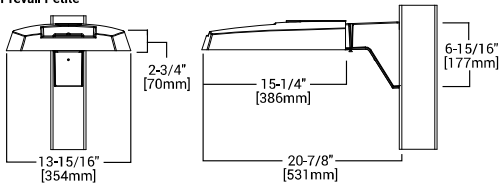
- Lumen packages range from 4,800 - 84,000 lumens (35W - 588W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

Connected Systems

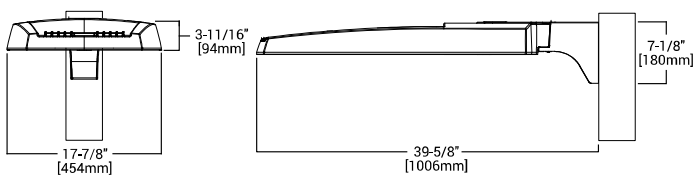
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details

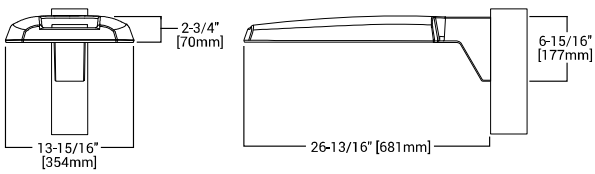
Prevail Petite



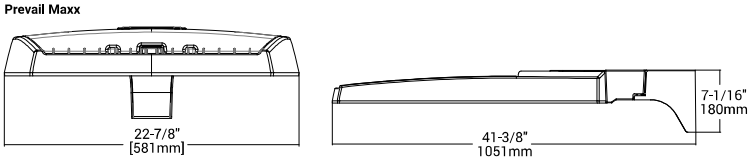
Prevail XL



Prevail



Prevail Maxx



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-C75-D-UNV-T4-SA-BZ**

Product Family [1, 2]	Light Engine [4]	Color Temperature	Driver	Voltage	Distribution	Mounting	Color
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Compliant [3]	**C10**=(1 LED) 4,900 Nominal Lumens **C15**=(1 LED) 6,900 Nominal Lumens **C20**=(1 LED) 9,800 Nominal Lumens **C25**=(1 LED) 11,800 Nominal Lumens	**740**=70CRI, 4000K **727**=70CRI, 2700K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**D**=Dimming (0-10V)	**UNV**=Universal (120-277V) **H**=High Voltage, 347-480V **8**=480V [5] **9**=347V **DV**=DuraVolt (277-480V) [5, 6]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**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]	**BZ**=Bronze **AP**=Grey **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Compliant [3] **TAA-PRV**=Prevail TAA Compliant [3]	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens						
PRV-XL=Prevail XL **BAA-PRV-XL**=Prevail XL BAA Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Compliant [3]	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens						
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Compliant[3] **TAA-PRV-M**=Prevail MaxxTAA Compliant [3]	**C200**=(9 LED) 48,000 Nominal Lumens **C225**=(9 LED) 56,000 Nominal Lumens **C250**=(9 LED) 65,000 Nominal Lumens **C275**=(9 LED) 73,000 Nominal Lumens						

Options (Add as Suffix)

7030=70 CRI / 3000K CCT [7]
7050=70 CRI / 5000K CCT [7]
CC=Coastal Construction finish [10]
HSS=House Side Shield [8]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
10K=10kV/10kA UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
HA=50°C High Ambient Temperature [9]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [11]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [11]
FADC=Field Adjustable Dimming Controller [30]
MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting Height [12, 13]
MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting Height [12, 13]
MS/DIM-L40=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [12, 13]
SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting Height [12, 14]
SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting Height [12, 14]
SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting Height [12, 14, 27, 28]
WPS2XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 15, 16, 17]
WPS4XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [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-ADJS-XX=Adjustable Arm - Slipfitter Kit [28]
PRV-XL-ADJA-WM-XX=Adjustable Arm - Wall Mount 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/COB-FDV=Full Drop Visor [23]
PRVXL/COB-FDV=Full Drop Visor [18]
HS/VERD=House Side Shield Kit [8, 24]
VGS-F/B= Vertical Glare Shield Kit, Front/Back [24]
VGS-SIDE=Vertical Glare Shield Kit, Side [24]
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 alll applications. Refer to installation instructions IB500002EN 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. Standard 4000K CCT and 70CRI.
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. Use dedicated IES files on product website for non-standard CCTs.
8. House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package.
9. Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package.
10. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
11. If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
12. Controls system is not available in combination with a photocontrol receptacle (PR & PER7) or another controls system (MS or SPB). Option not available with DuraVolt (DV) voltage option.
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. 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 C75, C100, C125, C150, or C175.
19. Not available with 347V, 480V, DV, 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, 4, 6 or 9).
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 (PR & PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Operates on 120-347V input voltages.
27. Only for use with PRV-M configurations.
28. Only for use with PRV-XL configurations.
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

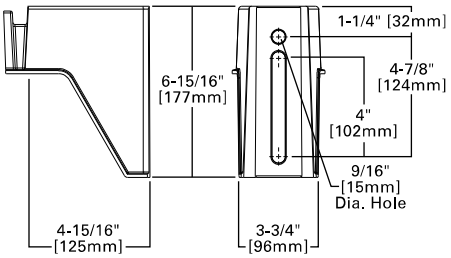
Stock Ordering Information

Product Family [1]	Light Engine	Voltage	Distribution
PRVS=Prevail	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens	**UNV**=Universal (120-277V) **347**=347V [2]	**T3**=Type III **T4**=Type IV
PRVS-XL=Prevail XL	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens		

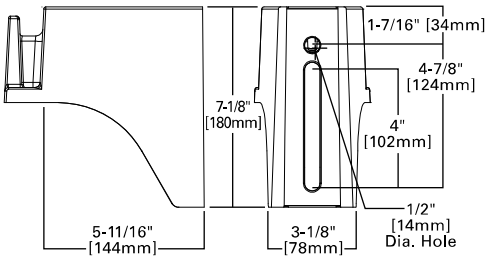
NOTES:
1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm.
2. Only available in PRVS configurations C15, C25, C40 or C60.

Mounting Details

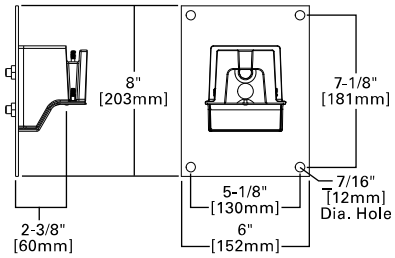
SA=QM Pole Mount Arm (PRV & PRV-P)



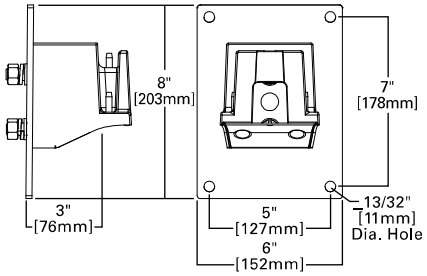
SA=QM Pole Mount Arm (PRV-XL)



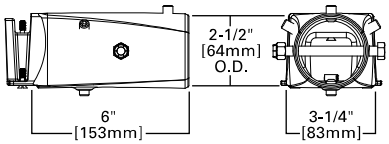
WM=QM Wall Mount Arm (PRV & PRV-P)



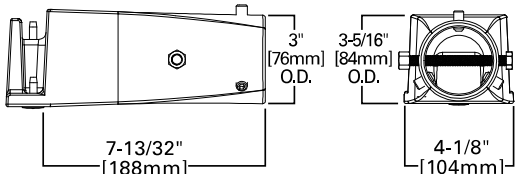
WM=QM Wall Mount Arm (PRV-XL)



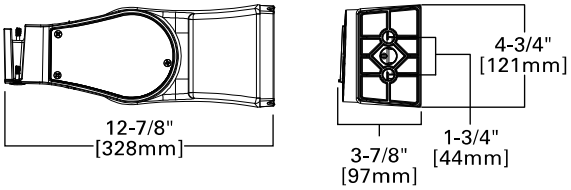
MA=QM Mast Arm (PRV & PRV-P)



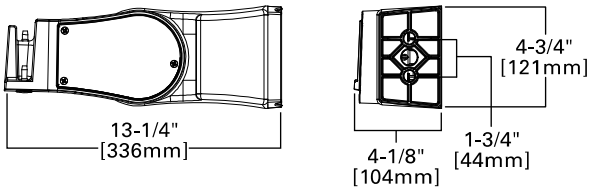
MA=QM Mast Arm (PRV-XL)



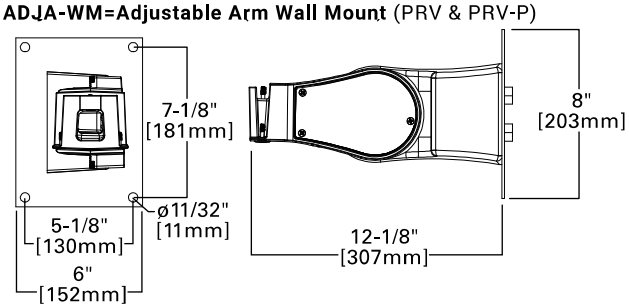
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



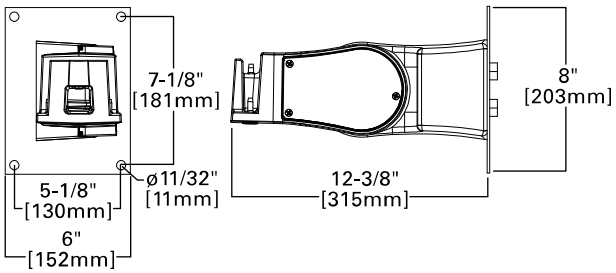
ADJA=Adjustable Arm Pole Mount (PRV-XL)



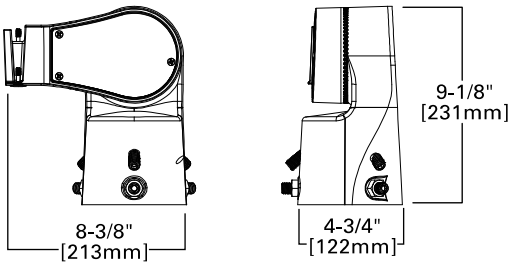
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



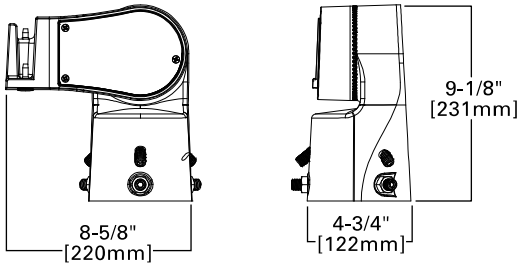
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



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

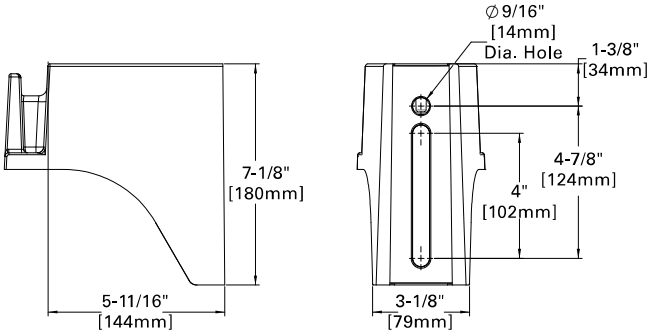


ADJS=Adjustable Slipfitter 3 (PRV-XL)

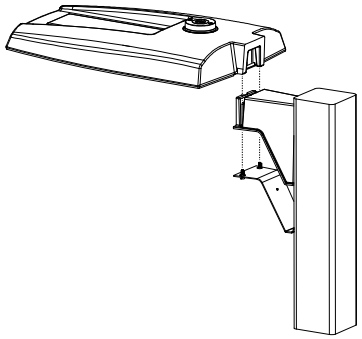


Mounting Details

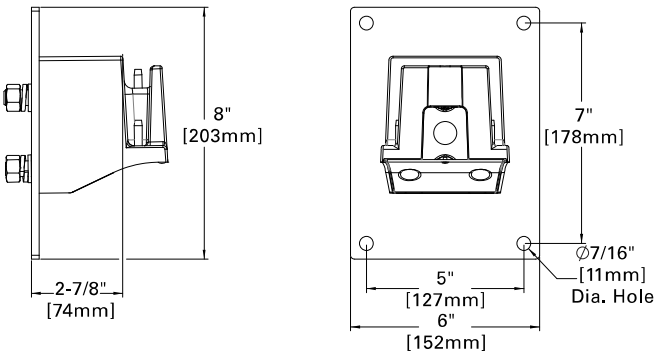
SA=QM Pole Mount Arm (PRV-M)



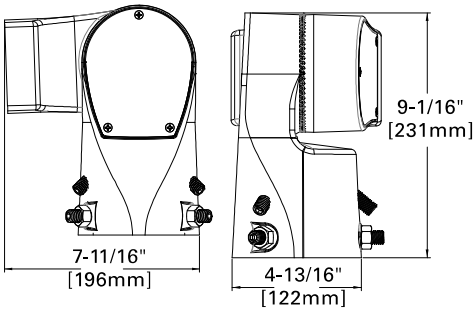
Versatile Mount System



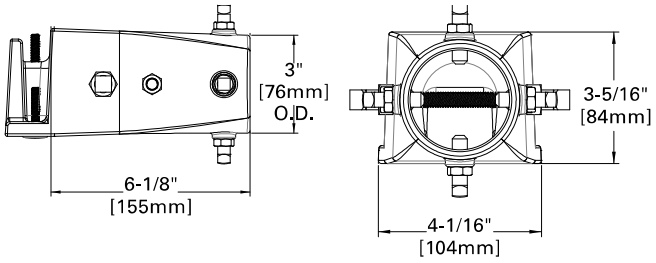
WM=QM Wall Mount Arm (PRV-M)



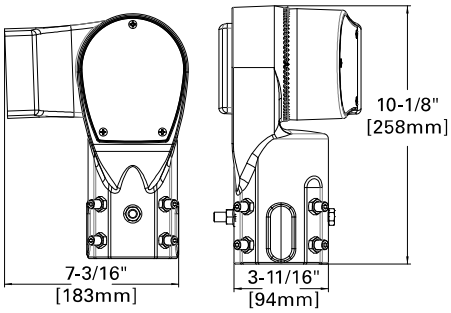
ADJS=Adjustable Slipfitter (PRV-M)



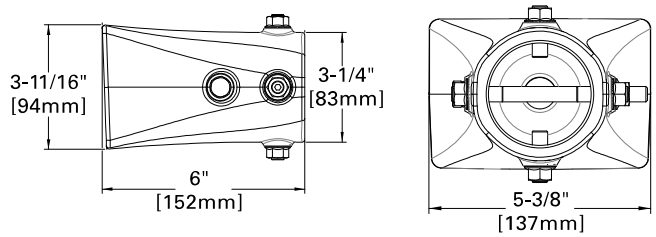
MA=QM Mast Arm (PRV-M)



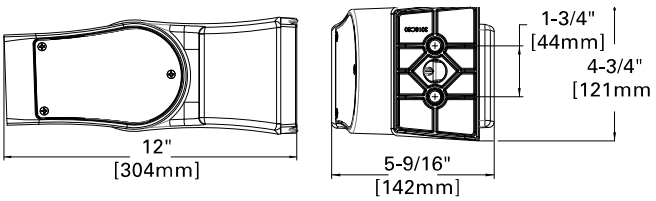
SP2=Adjustable Slipfitter 2-3/8" (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



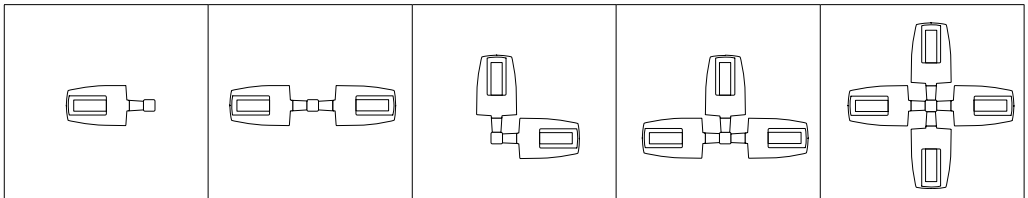
DM=Direct Pole Mount Arm (PRV-M)



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.

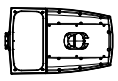


Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	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

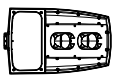
Optical Configurations

PRV-P-C10/C15/C20/C25
(4,900/6,900/9,800/11,800 Nominal Lumens)

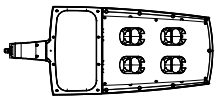
PRV-C15
(7,100 Nominal Lumens)



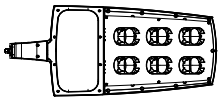
PRV-C25/C40/C60
(13,100/17,100/20,000 Nominal Lumens)



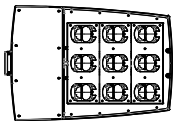
PRV-XL-C75/C100/C125
(26,100/31,000/36,300 Nominal Lumens)



PRV-XL-C150/C175
(41,100/48,600 Nominal Lumens)

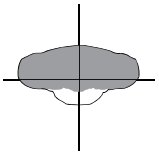


PRV-M-PA6X
(50,000/60,000/70,000/80,000 Nominal Lumens)

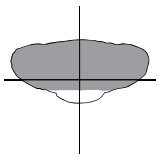


Optical Distributions

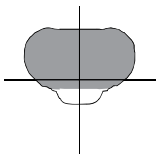
T2
(Type II)



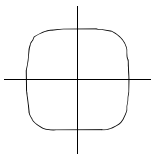
T3
(Type III)



T4
(Type IV)



T5
(Type V)



= 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
- Adjustable Arms: 1.5G vibration rated
- Prevail and Prevail Petite: 3G vibration rated
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

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)

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

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

Power and Lumens

Product Family		Prevail Petite				Prevail				Prevail XL					Prevail Maxx			
Light Engine		C10	C15	C20	C25	C15	C25	C40	C60	C75	C100	C125	C150	C175	C200	C225	C250	C275
Power (Watts)		35	49	73	94	52	96	131	153	176	217	264	285	346	346	418	487	588
Input Current @ 120V (A)		0.29	0.41	0.61	0.79	0.43	0.80	1.09	1.32	1.50	1.84	2.21	2.38	2.92	2.89	3.49	4.06	4.90
Input Current @ 277V (A)		0.13	0.18	0.27	0.35	0.19	0.35	0.48	0.57	0.66	0.82	0.97	1.04	1.25	1.26	1.51	1.72	2.06
Input Current @ 347V (A)		0.11	0.16	0.23	0.29	0.17	0.30	0.41	0.48	0.54	0.66	0.79	0.84	1.02	1.00	1.21	1.40	1.70
Input Current @ 480V (A)		0.08	0.12	0.17	0.22	0.12	0.22	0.30	0.35	0.40	0.48	0.57	0.62	0.74	0.73	0.88	1.00	1.21
Distribution [1]																		
Type II	4000K Lumens	4,775	6,717	9,542	11,521	7,123	13,205	17,172	20,083	26,263	31,231	36,503	41,349	48,876	50,349	59,444	68,447	79,322
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	138	137	131	122	137	138	131	131	149	144	138	145	141	146	142	141	135
	3000K Lumens [1]	4,869	6,595	9,369	11,312	6,994	12,965	16,860	19,718	25,786	30,664	35,840	40,598	47,989	49,437	58,368	67,208	77,886
Type III	4000K Lumens	4,782	6,727	9,556	11,538	7,111	13,183	17,144	20,050	26,120	31,061	36,304	41,124	48,610	50,162	59,223	68,193	79,027
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	138	137	131	123	137	137	131	131	148	143	138	144	140	145	142	140	135
	3000K Lumens [1]	4,695	6,605	9,383	11,329	6,982	12,944	16,832	19,686	25,646	30,497	35,645	40,377	47,727	49,254	58,151	66,958	77,596
Type IV	4000K Lumens	4,880	6,865	9,752	11,774	7,088	13,140	17,087	19,984	26,098	31,035	36,274	41,089	48,569	50,575	59,711	68,754	79,678
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	141	140	134	125	136	137	130	131	148	143	137	144	140	146	143	141	136
	3000K Lumens [1]	4,792	6,740	9,575	11,561	6,959	12,901	16,777	19,621	25,624	30,471	35,615	40,343	47,687	49,659	58,630	67,510	78,235
Type V	4000K Lumens	5,067	7,128	10,126	12,226	7,576	14,045	18,264	21,360	28,129	33,450	39,097	44,287	52,349	53,531	63,201	72,773	84,335
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	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	145	139	130	146	146	139	140	160	154	148	155	151	155	151	150	144
	3000K Lumens [1]	4,975	6,999	9,942	12,004	7,438	13,790	17,932	20,972	27,618	32,843	38,387	43,483	51,398	52,562	62,057	71,455	82,808

NOTES:
1. For 3000K, 5000K or HSS data, refer to published IES files.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Prevail and Prevail Petite at 25°C	91.30%	> 194,000
Prevail and Prevail Petite at 40°C	87.59%	> 134,000
Prevail XL at 25°C	91.40%	> 204,000
Prevail XL at 40°C	89.41%	> 158,000
Prevail Maxx at 25°C	91.40%	> 204,000
Prevail Maxx at 40°C	89.41%	> 158,000

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	**1.02**
15°C	**1.01**
25°C	**1.00**
40°C	**0.99**

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

FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

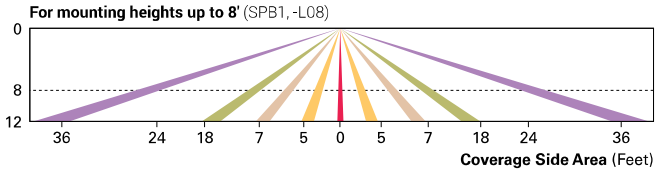
Note: +/-5% typical value

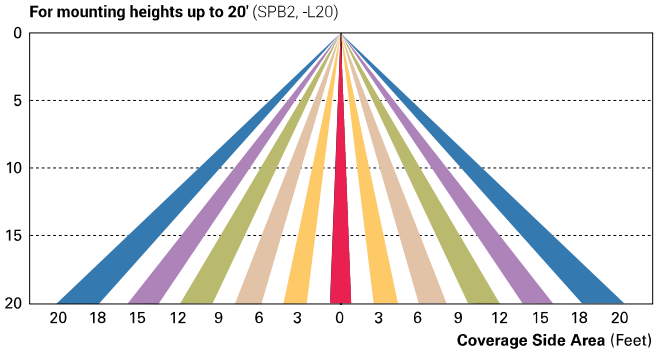
Control Options

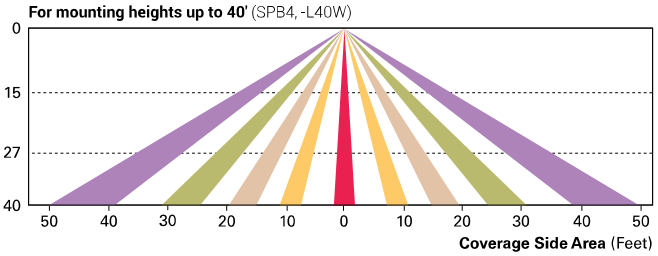
0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

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 receptacles.

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.



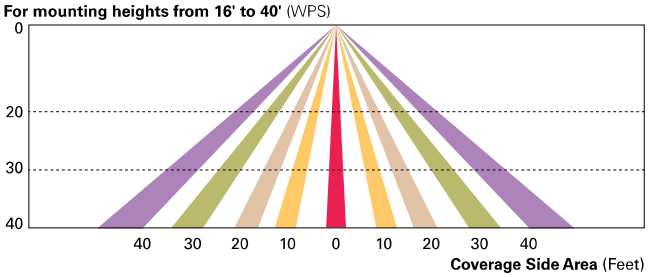




WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required 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 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'.



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.

WPX LED
Wall Packs

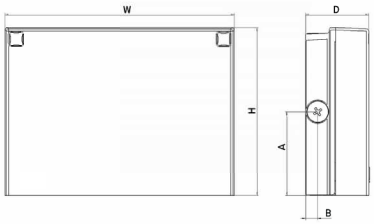
Catalog Number: WPX1 LED P1 40K MVOLT DBLXD

Notes:

Type: OW1

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

Specifications



Front View Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series		Color Temperature		Voltage		Options		Finish	
WPX1 LED P1	1,550 Lumens, 11W [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0 °C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20 °C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	Note : For other options, consult factory.	

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

1. All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
   Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
2. Battery pack options only available on WPX1 and WPX2.
3. Battery pack options not available with 347V or PE options.

FEATURES & SPECIFICATIONS

INTENDED USE
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40 °C to 40 °C.

CONSTRUCTION
WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).
All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION
WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

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Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

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

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

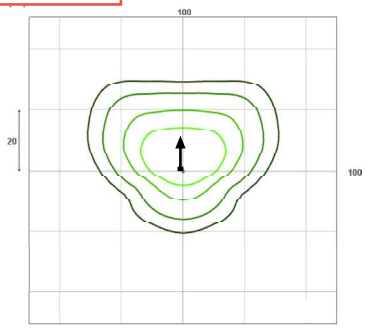
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WPX LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

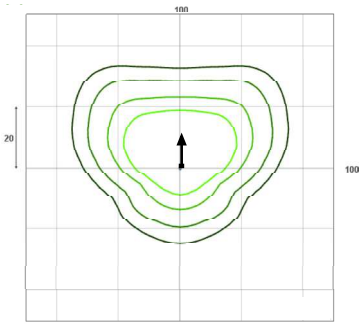
LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

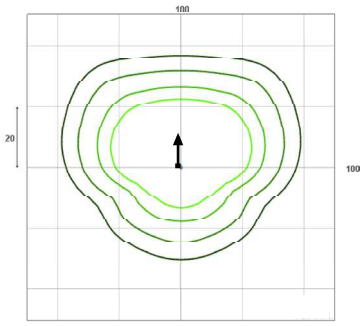
WPX1 LED P1



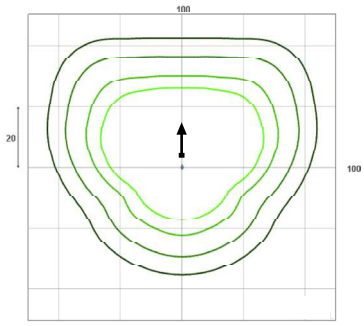
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

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LITHONIA LIGHTING®

Catalog Number	AFF PEL DBLBXD UVOLT LTP SDRT FCT CW
Notes	
Type	OW2

Signature®

Premium Die-Cast Architectural Emergency Light

AFF

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring low-profile, attractive emergency lighting with Optional normally-off or normally-on with photocell control. Provides a minimum of 90 minutes of illumination both indoors and outdoors upon loss of AC power. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — Compact, low-profile, architectural design with die-cast aluminum housing. Finishes are texturized powder coat paint for dark bronze, white, black and non-texturized for natural aluminum. Test switch indicator light and remote enabled are located on the bottom of the housing and are easily accessible and visible from the floor.

OPTICS —LEDs with L70 of 55,000 hours. Delivers 635 lumens in Normal-On and Emergency operation. Optional field configurable for wide and forward throw distribution **(U.S. Patent No. - US10236712 B2)**.

Outdoor wide throw distribution: 70' (3' path of egress) at a 7.5' mounting height with 1 FC Average.

4,000K correlated color temperature (CCT).

70 CRI.

ELECTRICAL — UVOLT (120 thru 347V, 50/60hz). Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery chargers Certified in the CA Title 20 Appliance Efficiency Database

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Filtered charger input minimizes charge voltage ripple and extends battery life.

Photocell option (PEL) for normally on product in order to discontinue illumination during periods when ambient light is present. Photocell option (PEL) for normally on products allow the user to force lamp illumination by user control (external switch). When power is not connected to switched line, illumination will respond to internal daylight sensor. For switched line applications, no other types of products shall be connected on the switched leg.

Remote units (OELR) are normally off. Emergency only functionality with DC power from an external battery.

BATTERY: Sealed, maintenance-free Lithium Iron Phosphate battery.

SELF-DIAGNOSTICS AND REMOTE TEST (SDRT OPTION): Automatic 24-hour recharge after a 90-minute discharge. Advanced electrical design provides constant light output throughout the entire discharge period for non-CW batteries. (For cold weather and cold temperature applications, the light may diminish though the discharge cycle). Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other input voltages may vary. AC/LVD re-set allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Self-Diagnostics: Continuously monitors AC functionality. Standard derangement monitoring will indicate disconnected battery, charger failure and displays green flashing indicator light while in emergency mode. Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually. Diagnostic evaluation of lamps, AC to DC transfer, battery charging and condition of microprocessor. Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester (RTKIT accessory).

Manual testing: Test switch and remote tester (RTKIT accessory) provides manual activation of 60-second diagnostic testing for on-demand visual inspection. 90 minute manual testing can be enabled by pressing the test switch again while in test mode.

INSTALLATION — Wall mount: typically meets 7.5' to 14' mounting height from ground or floor. Power supplied by either mounting directly to a 4" square or 4" octagon j-box (wall mount) and accepts rigid or flex conduit.

LISTINGS — UL wet location listed standard at 32-122°F (0-50°C). Unit with CW battery(cold weather) listed for -22°F to 122°F (-30° to 50°C). Remote listed for -40°F to 122°F (-40° to 50°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), NOM (Norma Oficial Mexicana), California Energy Commission Title 20 section 1605.3 (W)(4), FCC Title 47, Part 15, Subpart B and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10. Meets City of Chicago Code.

Government Procurement:
BAA - Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA - Build America Buy America: Product with a BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty (Battery is prorated). This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

† Small Battery Chargers Certified in the CA Title 20 Appliance Efficiency Database.

without photocell (white)

without photocell (natural aluminum)

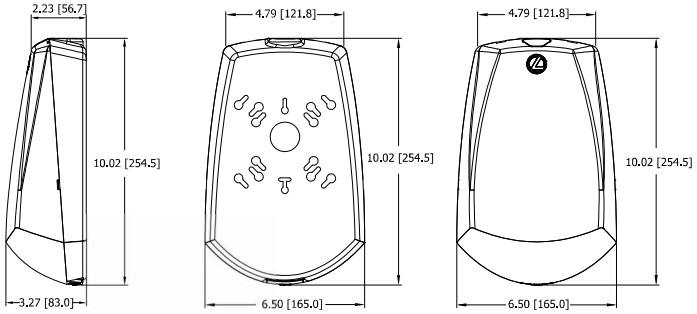
with photocell (white)

with photocell (dark bronze)

MOUNTING

All dimensions are inches (centimeters).
Shipping weight: 3.5 lbs. (1.59 kgs.)

Length: 6 1/2 (16.51)
Depth: 3 27/100 (8.30)
Height: 10 (25.45)
Weight : 3.5 lbs (1.59kg)



c UL us LISTED · LED · BC · RoHS COMPLIANT · CERTIFIED IN TITLE 20 † · FC · BABA · BAA

AFF Signature® Premium Die-Cast Architectural Emergency Light

SELF-POWERED MODELS

ORDERING INFORMATION For the shortest lead times, configure product using **bolded options.** **Example**: AFF PEL DWHGXD UVOLT LTP SDRT WT

Series	Unit Type[1]	Housing Color	Voltage	Battery Type	Automatic Testing	Optics	Options
AFF Signature® Premium	**PEL** Photocell: Normally-ON with internal battery	**DWHGXD** White textured	**UVOLT** 120-347VAC, 50/60Hz	**LTP** Lithium Iron Phosphate	**SDRT** Self-diagnostics remote test	**WT** Wide Throw	**CW** Cold Weather (-30 - 50C)
	OEL Normally-OFF with internal battery	**DBLBXD** Black textured				**FCT** Field configurable throw[2]	BAA Buy America(n) Act and/or Build America Buy America Qualified
		DNAXD Natural aluminum					
		DDBTXD Dark bronze textured					

Notes
1 AFF with internal battery is not remote capable.
2 FCT optics ships standard in the WT (wide throw) mode. Upon installation, configuration can be changed to the FCT mode.

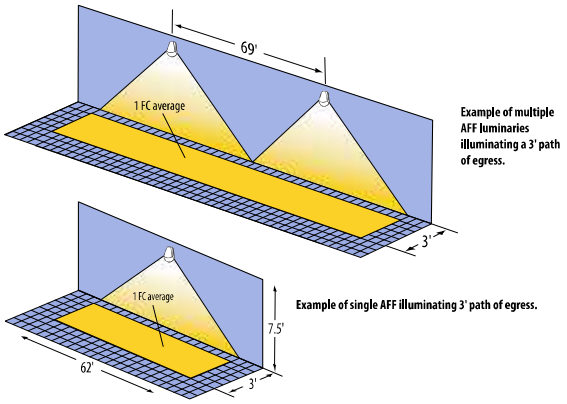
REMOTE MODELS listed for -40°F to 122°F (-40° to 50°C)

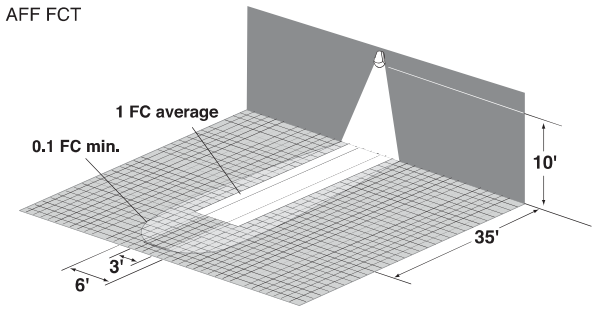
ORDERING INFORMATION For the shortest lead times, configure product using **bolded options.** **Example**: AFF OELR DWHGXD WT

Series	Unit Type	Housing Color	Voltage	Optics	Options
AFF Signature® Premium	**OELR** Remote fixture, Normally OFF (requires external battery source)	**DWHGXD** White textured	**(blank)** Universal DC voltage (8-30VDC)	**WT** Wide Throw	BAA Buy America(n) Act and/or Build America Buy America Qualified
		DBLBXD Black textured			
		DNAXD Natural aluminum			
		DDBTXD Dark bronze textured			

Accessories: *Order as separate catalog number.*	
RTKIT	Remote test kit, up to 40' away (includes goggles, laser and battery)

AFF SPACING GUIDELINES





Maximum Spacing Guidelines - AFF (WT)

Mounting Height	Illumination Level	Single Luminaire		Multiple Luminaire		Application Notes *
		3' Path of Egress	6' Path of Egress	3' Path of Egress	6' Path of Egress	
7.5'	1FC Avg	62'	46'	69'	53'	200' Open Space 80/50/20 reflectances
10'		48'	34'	55'	46'	
12'		28'	22'	46'	41'	
14'		6'	N/A	38'	36'	

* Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

Maximum Spacing Guidelines - AFF (FCT)

Mounting Height	Illumination Level	Single Luminaire		Application Notes *
		3' Path of Egress	6' Path of Egress	
7.5'	1FC Avg	24'	23'	200' Open Space 80/50/20 reflectances
10'		35'	35'	
12'		37'	31'	
14'		31'	N/A	

* Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

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SPECIFICATIONS

Electrical: Primary Circuit

Unit Type	Battery Type	Input Voltage(V)	Input Current(A)	Watts(W)
PEL WT	LTP	120-347	0.053-0.086	11.28
	LTP CW	120-347	0.089-0.167	20.39
PEL FCT	LTP	120-347	0.053-0.086	11.28
	LTP CW	120-347	0.089-0.167	20.39
OEL WT	LTP	120-347	0.025-0.032	2.50
	LTP CW	120-347	0.075-0.097	11.60
OEL FCT	LTP	120-347	0.025-0.032	2.50
	LTP CW	120-347	0.075-0.097	11.60
OELR WT	N/A	8-30	0.248 - 1.225	8.57*

*OELR watts data is in addition to the lamp heads on the product

BATTERY

Lithium Iron Phosphate					
Type	**Voltage**	**Typical Shelf Life[1]**	**Typical Life[1]**	**Maintenance[2]**	**Temperature range[3,4]**
STD	12.8V	1 year	6-8 years	none	32 - 122°F (0 - 50°C)
CW	12.8V	1 year	6-8 years	none	-22 - 122°F (-30 - 50°C)

Notes

1 At 77°F (25°C).

2 Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.

3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

4 Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. See option packages for expanded temperature ranges.

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