



SITE PLAN AND TRAFFIC ADVISORY REVIEW COMMITTEE
Internal Staff Meeting
Minnesota Valley Room, First Floor, Intergovernmental Center

1. **SITE PLAN ITEMS**

1.

CY47-26

Request of Jon Kietzer for a conditional use permit to allow apartments above the ground floor in the CBD-C, Central Business District Core. The subject property is described as Lot 5, Block 14, City of Mankato South subdivision (100 and 112 E. Walnut Street).

2.

CY48-26

Request of the Planning Agency to amend Chapter 10 of Mankato City Code related to cannabis and definitions generally.

For information purposes only.

3.

CY49-26

Request of the Planning Agency to review the proposed 2027-2031 Capital Infrastructure Plan.

For information purposes only.

4.

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*****SITE PLAN AND TRAFFIC ADVISORY COMMITTEE REVIEW ONLY. Request of ISG, on behalf of the owner, Rolls-Royce Solutions, for a Site Plan and Traffic Advisory Committee review for the project consisting of the construction of pavement, removals, utilities, grading, landscaping, and other related site work.**

5.

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*****SITE PLAN AND TRAFFIC ADVISORY COMMITTEE REVIEW ONLY. Range Street re-addressing.**

For information purposes only.

2. **TRAFFIC ITEMS**

Site Plan and Traffic Advisory Review Committee

1. 1.

Meeting Date: 10/13/2026

Title

CY47-26

Request of Jon Kietzer for a conditional use permit to allow apartments above the ground floor in the CBD-C, Central Business District Core. The subject property is described as Lot 5, Block 14, City of Mankato South subdivision (100 and 112 E. Walnut Street).

Applicant

The applicant is Jonathan Kietzer of Landmark Real Estate.

Request

The applicant is seeking a conditional use permit to allow apartments above the ground floor in the CBD-C, Central Business District Core, zoning district.

Location

The subject property is addressed at 100 and 112 E. Walnut Street and is legally described as being located in Lot 5, Block 14, City of Mankato South subdivision.

Existing Land Use

The property has an existing commercial building on it, and is the location of "The Flask" and "The Title Team" businesses.

Zoning

The subject property is zoned CBD-C, Central Business District Core.

Environmentally Sensitive Areas

There are no known environmentally sensitive areas on the subject site.

Review

The applicant, John Kietzer of Landmark Assets, has applied for a conditional use permit to allow apartments above the ground floor in the CBD-C, Central Business District Core, zoning district. The property is addressed as 100 and 112 E. Walnut Street.

The applicant's narrative states that the intent is to convert the second-floor office space into three new dwelling units. The first floor tenants, "Flask", a bar restaurant, and The Title Team, a real estate closing office, will remain. No physical expansion of the footprint is proposed. The proposed apartments will include one 1-bedroom, one 2-bedroom and one 3-bedroom units.

The applicant intends to provide the required parking for the subject development through participation in the Downtown Parking District.

A similar request was approved by the City of Mankato City Council on [April 11, 2022](#), but was never

implemented.

Attachments

General Location Map

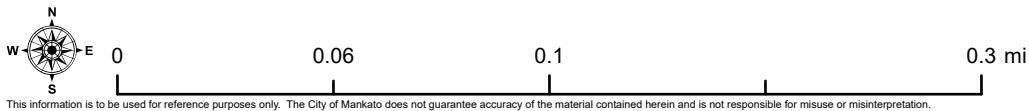
Aerial Plan

Floor Plans

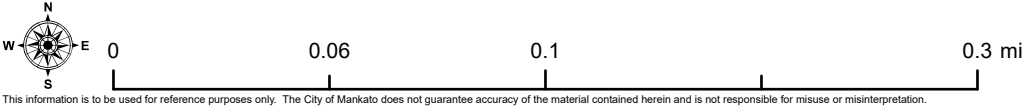
Unit layout

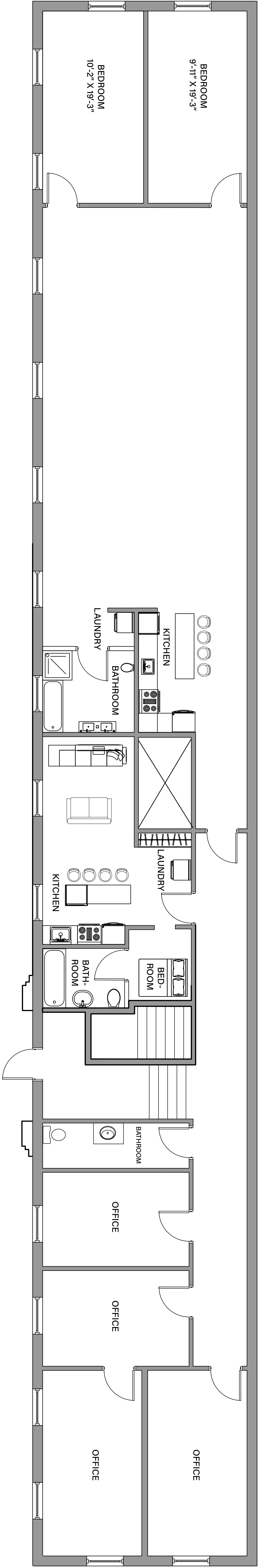
Narrative

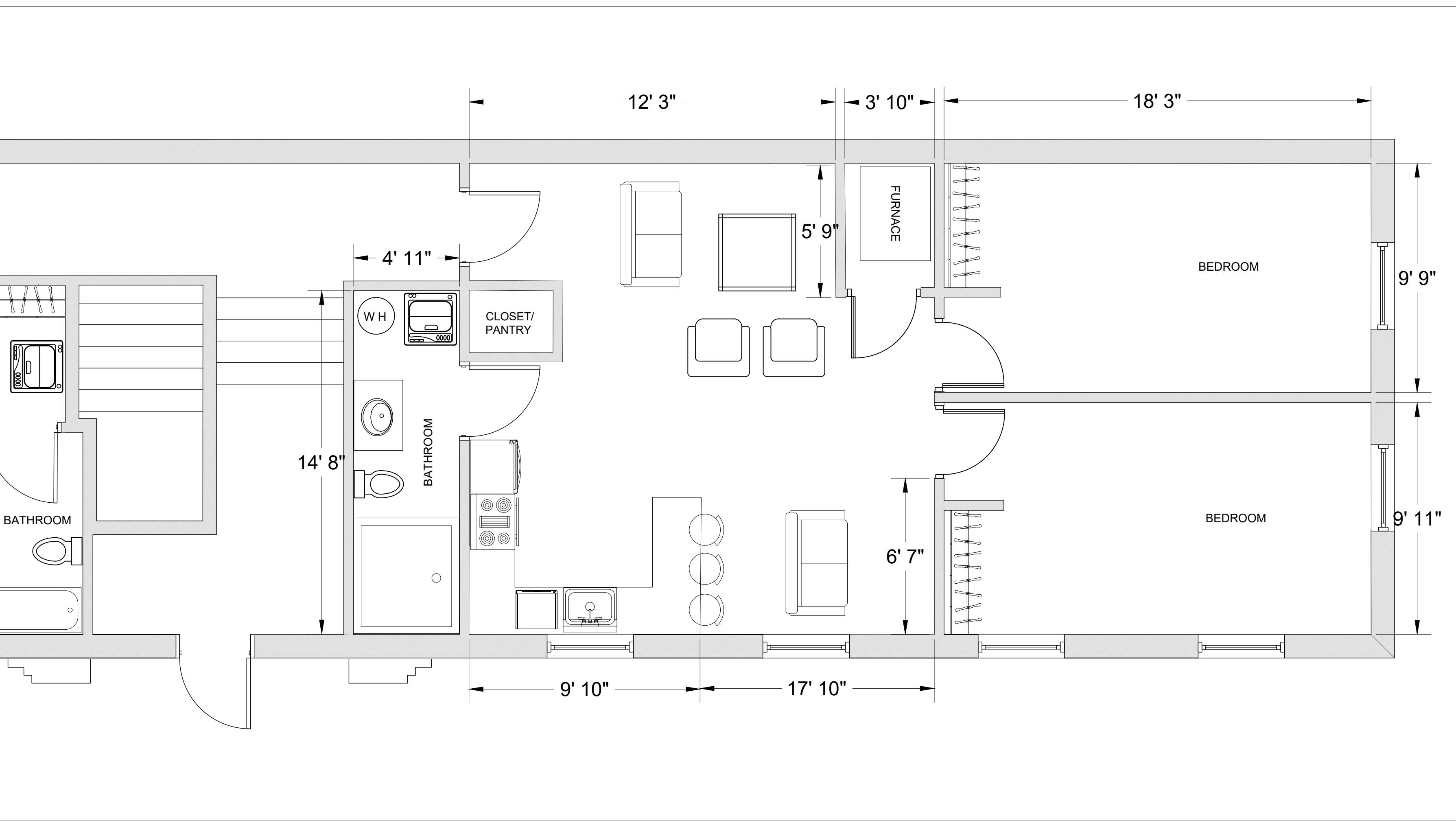
General Location Map



Aerial Map







PROPOSED APARTMENT

LaSalle Building

100 E Walnut St

Mankato MN 56001

EAST SIDE

NARRATIVE STATEMENT

Application for Conditional Use Permit

Conversion of Second-Floor Office Space to Three Upscale Dwelling Units

To: Community Development Director, Planning Commission, and City Council

Applicant / Owner: Landmark Assets, LLC, Jon Kietzer, sole member, 931 Madison Avenue, Mankato, MN 507-345-1599

Property: 100 E Walnut Street, Mankato, MN 56001 (the LaSalle Building)

PID: R01.09.07.381.013

Zoning District: District in which upper-story dwellings are a listed conditional use. No rezoning is requested; only a CUP is required.

Present Use: Ground floor: Flask bar and restaurant, and The Title Team (real estate closing office). Second floor: professional office space proposed for conversion.

Proposed Use: Ground-floor commercial/office use to remain; second floor converted to three upscale apartments: one 1-bedroom/1-bath, one 2-bedroom/1-bath, and one 3-bedroom/2-bath.

Intended Occupancy: Young professionals and graduate students seeking quality downtown housing. Not a high-occupancy undergraduate rooming house.

Property Manager: KCPM, LLC d/b/a Landmark Manager, 931 Madison Avenue, Mankato, MN 507-345-1599. Local multifamily operator with more than ten years of experience; an established City of Mankato rental licensee.

Variance Requested: None.

I. Purpose of the Request

The Applicant respectfully requests a Conditional Use Permit to convert existing second-floor office space into three (3) independent, upscale dwelling units within the LaSalle Building at 100 E Walnut Street (PID R01.09.07.381.013). Ground-floor tenants Flask bar and restaurant and The Title Team, a real estate closing office, will remain. No expansion of the building footprint is proposed.

Downtown Mankato is in the middle of a shift from a largely nine-to-five employment district to a walkable place where people live, work, and spend evenings. Hotel Mankato — the AC by Marriott and Element by Westin project on Main Street between Riverfront Drive and Second Street — is the most visible piece of that shift: a roughly \$100 million hospitality investment with skyway access to the Mayo Clinic Health System Event Center, a rooftop restaurant, and hundreds of new rooms. The city's broader downtown strategy aims at several hundred additional multifamily units so those streets stay active after the workday ends.

That strategy only works if people can actually live downtown. The LaSalle Building sits on East Walnut Street, a short walk from the Mayo Clinic Health System Event Center, Hotel Mankato, restaurants, and the rest of the city-center block. Upper-story office space that sits quiet after 5:00 p.m. does not help that block. Three well-finished apartments aimed at young professionals and graduate

students put residents in the building, support nearby businesses, and reuse a structure the City already serves with streets and utilities. This request is submitted pursuant to Mankato City Code Chapter 10, Article X, and is intended to meet the standards of Section 10-1883.

II. Project Description

The LaSalle Building at 100 E Walnut Street is an existing downtown mixed-use building. The ground floor contains 3,454 square feet and is occupied by Flask and The Title Team. The second floor is finished office space, reached by stair only — the building has no elevator. The Applicant proposes to remodel that floor into three dwelling units totaling approximately 2,161 square feet of residential area:

Unit A — 1 bedroom / 1 bathroom. Approximately 493 square feet. Compact professional or graduate unit: full kitchen, living area, bedroom, one bath, and in-unit washer and dryer. Suited to a single occupant or couple.

Unit B — 2 bedroom / 1 bathroom. 678 square feet. Second bedroom usable as a home office, guest room, or roommate arrangement for two working adults. In-unit washer and dryer.

Unit C — 3 bedroom / 2 bathroom. Approximately 990 square feet. The largest unit, with a second bath so two working adults or a small household can share the space without the wear of an undergraduate suite. In-unit washer and dryer. Marketed to professionals, graduate students, or a small household — not as a five-person rooming unit.

Each unit will be a complete housekeeping unit with kitchen, bath, living area, sleeping area, and its own washer and dryer. Finishes will be above a standard student-rental package: quality flooring and counters, updated lighting and hardware, high-speed internet ready, and dedicated in-unit laundry. The intent is a product that can compete with newer downtown buildings such as Silos Apartments and with the residential component of projects now planned around Front Street and the civic-center block — small in count, high in quality.

Units will be separately metered for electric and gas to the extent required by City utility policy. Access to the apartments is by the existing stair. Common systems (entry, stairs, trash, mail) will meet Minnesota State Building Code standards for mixed-use occupancy, including fire separation between residential and non-residential uses, means of egress, smoke and carbon-monoxide detection, and sound attenuation so ground-floor commerce and upstairs living can coexist.

Exterior changes will be limited to what the Building Official requires for residential egress (for example, window wells or relocated windows if a bedroom needs a code-compliant opening) plus lighting at the residential entry and bicycle storage. No elevator will be added. The street-facing commercial frontage of Flask and The Title Team, and the overall building massing, will be unchanged. Construction will occur primarily from the interior.

The Applicant will obtain a City rental license before occupancy and will comply with the occupancy limits that apply to the zoning district (in higher-density and office-residential districts, generally a family or up to five individuals). Day-to-day operations will be handled by KCPM, LLC, doing business as Landmark Manager, 931 Madison Avenue, Mankato (507-345-1599). Landmark Manager has

operated multifamily housing in Mankato for more than a decade and is already known to the City's rental-licensing and inspections staff. It will lease the units to young professionals and graduate students, assign parking, enforce quiet hours and trash rules, receive maintenance calls, and serve as the City's and neighbors' point of contact. That is a different operating model from an owner-absent student house.

III. Market and Downtown Context

The City's 2025 Comprehensive Housing Needs Analysis projects demand on the order of 6,500 new housing units in Mankato through 2035, including roughly 2,400 apartments. Market-rate rental vacancy in the two-county area has been reported near 2.6 percent; student-oriented market-rate vacancy has been reported under 1 percent. Housing is Goal 1 in the City's strategic plan. Those figures are citywide. Downtown has an additional problem: too little housing of the quality that keeps graduates and early-career workers in the city center instead of sending them to the Hilltop, to North Mankato, or out of the region.

Public reporting on downtown's small-area strategy has described a target of 800 or more new multifamily units over time, with walkability and evening activity as the point of the exercise. Hotel Mankato is the hospitality anchor of that strategy. Other approved or advancing work — Silos Apartments in Old Town, Front Street Place with on the order of 160 apartments above retail, and additional infill — shows the City has already accepted the premise that downtown needs residents, not just office workers and event visitors.

Minnesota State University, Mankato is a short trip from Walnut Street. Graduate students and young professionals who work downtown, at the university, in health care, or at the Event Center and professional offices around Main, Second, and Riverfront are the tenants these units are built for. A 493-square-foot 1-bedroom, a 678-square-foot 2-bedroom, and a 990-square-foot 3-bedroom give that market three sizes, each with in-unit laundry, without turning the second floor into a high-occupancy student house. Three units will not satisfy the housing study. They will put three households in the LaSalle Building on a walkable block that should not go dark when the offices close.

IV. Findings Addressing Section 10-1883 Standards

The Planning Commission and City Council may recommend and grant a conditional use permit only upon written findings as to each of the following standards. The Applicant offers the following responses.

Standard 1. The use is one of the conditional uses listed in the particular district.

Upper-story dwelling units are a listed conditional use in the district that applies to 100 E Walnut Street. The Applicant has confirmed with City staff that the zoning classification is correct for this conversion and that a conditional use permit — not a rezoning — is the required approval. The proposal keeps a principal non-residential use on the ground floor and places all three dwellings on the second floor of the LaSalle Building.

Standard 2. The use is in keeping with the comprehensive planning policies of the City.

The Land Use Plan supports mixed-use development, reuse of existing buildings, and housing close to jobs, transit, and services. The housing study and the City's strategic plan treat housing supply as a first-order problem. Downtown policy, reflected in recent Council actions on Hotel Mankato, Front Street Place, and other mixed-use projects, is to make the city center livable after 5:00 p.m. — walkable streets, hospitality, and residents who support retail.

Converting underused second-floor office space into three upscale apartments advances those policies without consuming vacant land, without demolition, and without removing street-level commercial space. It is the same mixed-use pattern the City has already endorsed at a larger scale, executed here as a small adaptive-reuse project.

Standard 3. The use does not interfere with or diminish the use of property in the immediate vicinity.

The building already exists. The change is internal. Ground-floor hours, customer access, and the commercial character of the street remain. Three households is a modest increment. Residential arrivals and evening occupancy are compatible with mixed-use surroundings and are generally quieter after business hours than a fully occupied office floor.

The units are finished and leased for professional and graduate occupancy, not as a high-turnover undergraduate house. Landmark Manager (KCPM, LLC) will enforce lease terms on occupancy, parking, quiet hours, and refuse. The Applicant will manage trash internally, screen any new mechanical equipment, and keep residential lighting directed onto the property. Construction will be scheduled to limit disruption to neighboring businesses. The use will not generate industrial noise, odor, outdoor storage, or late-night commercial assembly.

Standard 4. The use can be adequately served by public facilities and services.

The property is already connected to municipal sanitary sewer, water, storm sewer, electric, gas, police, fire, and refuse service. Three dwelling units will increase water and sewer demand modestly compared with occupied offices. The Applicant will coordinate with City Utilities on any required separate metering, connection or availability charges, and capacity confirmation, and will complete any building-side upgrades the Building Official requires.

Fire protection will be reviewed with the change-of-occupancy building permit. [Note whether the building has or will receive a fire sprinkler system, alarm system, and a second means of egress.] Solid waste will be handled with [shared dumpster / individual totes] in a location already used for commercial service or as approved by Public Works.

Standard 5. The use does not cause undue traffic congestion.

Three apartments generate a small number of daily vehicle trips — on the order of two dozen weekday trips for a building of this size, many of them off-peak or reverse-peak relative to office use. Replacing office occupancy with residences typically reduces midday parking demand and adds modest evening and weekend activity, which is the traffic pattern downtown policy is trying to produce.

The intended tenants — young professionals and graduate students — are the household type most likely to walk, bike, or use transit for some trips once downtown has a hotel, restaurants, events at the civic center, and daily services within a short walk. Residents will park in the City lot behind the LaSalle Building and/or in the Civic Center Parking Ramp under Core Block permits, in the stall count the CBD / Core Block rules require for this CUP. No new curb cut is proposed. Flask already operates on the ground floor; the apartments add no drive-through, loading dock, or new high-turnover commercial use.

Standard 6. The use preserves significant historical and architectural resources.

[If the building is not historic:] The building is not designated on a local or National Register historic list to the Applicant's knowledge. Exterior alterations will be minimal and will not remove character-defining features. Interior remodeling will not change the public face of the street.

[If the building is historic or in Old Town / a design overlay:] The Applicant will retain the existing façade, storefront rhythm, and roofline. Any new windows or an added residential entry will be compatible with the building's period and materials and will be submitted for [Certificate of Design Compliance / staff design review] as required. Occupied upper floors are a preservation tool: buildings that earn rent are maintained.

Standard 7. The use preserves significant natural and environmental features.

The project is an interior conversion of an existing building on an already-developed lot. No wetlands, floodplain fill, tree removal, or increase in impervious surface is proposed. Stormwater patterns will not change. Reuse of an existing structure is preferable to three new units on a greenfield site.

Standard 8. The use will not cause a negative cumulative effect on the immediate neighborhood or the City as a whole.

Three units is a small addition next to the housing-study gap and next to the several hundred downtown units already planned. The cumulative effect of putting residents over existing commercial space is the effect the City is seeking: more evening activity, more customers for downtown businesses, and less vacant upper-story space. The project does not remove housing, does not convert a residential block to commercial use, and does not concentrate a high-impact use. Leasing to professionals and graduate students rather than packing the 3-bedroom as a five-person undergraduate unit further limits neighborhood wear.

Standard 9. The use complies with all other applicable regulations of the district and other ordinances, except as modified by variance or planned development.

The Applicant will comply with zoning bulk standards applicable to the existing building; off-street parking and loading standards in Article X, Divisions 5 and 6, including any CBD reduction or in-lieu option and any condition the Council attaches to this CUP; Minnesota State Building Code change-of-occupancy requirements; City rental licensing and occupancy limits; utility connection and metering policy; and any overlay standards that apply to the parcel.

No variance is requested with this application. Parking will be met through Core Block / CBD arrangements described in Section V rather than by a dimensional variance.

V. Parking and Circulation

City Code generally requires two off-street spaces per dwelling unit for multifamily residential uses, subject to district-specific reductions in the Central Business District and to shared-parking rules for mixed-use buildings. Three units therefore point to six stalls unless CBD-C (no requirement for permitted uses, though the Council may condition a CUP), CBD-F (one-half the ordinary standard unless the CUP specifies otherwise), or a shared-parking calculation applies.

The 3-bedroom unit does not automatically mean three cars. The unit will be leased as an upscale household for professionals or graduate students, with occupancy capped by rental licensing. Parking will be assigned by unit so the 1-bedroom and 2-bedroom are not competing with an oversized assignment to the 3-bedroom.

The LaSalle Building is inside the City's Core Block Parking District, on East Walnut Street immediately adjacent to the municipal lot behind the building and a short walk from the Civic Center Parking Ramp (125 S Riverfront Drive). Flask, on the ground floor, already sits next to that ramp. The Applicant will not construct a new private parking lot. Instead, the Applicant requests that the number of stalls required under the core / CBD parking standards applicable to this CUP be satisfied by reserved or contracted use of:

- (a) existing stalls in the City parking lot immediately behind the LaSalle Building; and/or
- (b) reserved or non-reserved permit stalls in the Civic Center Parking Ramp.

Core Block addresses qualify for the City's downtown ramp-permit program, including non-reserved permits at no monthly charge and reserved 10-hour or 24-hour stalls at the published Core Block rates. Landmark Manager will assign stalls to the three units, include the assignment in each lease, and hold the City parking agreement. Bicycle parking will be provided at the building. The Applicant will accept a CUP condition stating the stall count staff calculates under the applicable CBD / Core Block rule, and identifying the lot, the ramp, or a split between the two, before residential occupancy.

This arrangement uses parking the City already owns and operates, keeps the Walnut Street frontage walkable, and matches how other downtown residences and businesses in the Core Block meet their parking obligation. No new curb cut is proposed.

VI. Construction, Operations, and Conditions the Applicant Will Accept

The Applicant is prepared to accept reasonable conditions typical of similar approvals, including:

1. Recording of the CUP with Blue Earth County before building permits are issued or the residential use begins.
2. Building-permit review and inspections for change of occupancy to mixed-use / residential.
3. Fire-separation, alarm, egress, and any sprinkler requirements determined by the Building Official and Fire Marshal.

4. Rental license prior to occupancy; compliance with district occupancy limits; professional management by KCPM, LLC d/b/a Landmark Manager, 931 Madison Avenue, Mankato, 507-345-1599; leasing consistent with the professional / graduate-student market described in this narrative.
5. The number of parking stalls required under the applicable CBD / Core Block standard shall be under contract or permit in the City lot behind the LaSalle Building and/or the Civic Center Parking Ramp before residential occupancy. Landmark Manager shall assign stalls by unit.
6. Trash and recycling enclosed or screened; no outdoor storage of household goods.
7. Exterior lighting shielded and directed onto the property.
8. Construction hours consistent with City ordinance; notice to neighboring businesses before major interior demolition if staff requests it.
9. Separate utility metering or billing as required by City policy.

Residential use is 24-hour occupancy by nature. It is not a late-night commercial assembly use. Quiet-hours language in the leases will be enforced by KCPM, LLC d/b/a Landmark Manager, a Mankato operator with more than ten years of multifamily experience and an existing relationship with City rental licensing. Landmark Manager will be the responsible party for tenant screening, lease enforcement, and complaint response at 931 Madison Avenue, 507-345-1599.

VII. Conclusion

The proposal is a small interior conversion: one 1-bedroom, one 2-bedroom, and one 3-bedroom, finished for young professionals and graduate students, over ground-floor commercial space that stays in place, and operated by KCPM, LLC d/b/a Landmark Manager. It matches a listed conditional use, matches the City's housing and downtown-walkability policies, and can be served by existing utilities and streets. Hotel Mankato and the rest of the downtown investment program create the demand for exactly this kind of housing. Three professionally managed units will not fill the housing-study gap. They will put three households on a block that should not go dark when the offices close.

The Applicant respectfully requests that the Planning Commission recommend approval, and that the City Council grant a Conditional Use Permit, subject to the conditions listed above and any additional conditions the City finds necessary to protect the public health, safety, and welfare.

Respectfully submitted,

Jon Kietzer

Sole Member, Landmark Assets, LLC

September 22, 2026

Site Plan and Traffic Advisory Review Committee

1. 2.

Meeting Date: 10/13/2026

Title

CY48-26

Request of the Planning Agency to amend Chapter 10 of Mankato City Code related to cannabis and definitions generally.

For information purposes only.

Site Plan and Traffic Advisory Review Committee

1. 3.

Meeting Date: 10/13/2026

Title

CY49-26

Request of the Planning Agency to review the proposed 2027-2031 Capital Infrastructure Plan.

For information purposes only.

Site Plan and Traffic Advisory Review Committee

1. 4.

Meeting Date: 10/13/2026

Title

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*****SITE PLAN AND TRAFFIC ADVISORY COMMITTEE REVIEW ONLY. Request of ISG, on behalf of the owner, Rolls-Royce Solutions, for a Site Plan and Traffic Advisory Committee review for the project consisting of the construction of pavement, removals, utilities, grading, landscaping, and other related site work.**

Applicant

The applicant is ISG, on behalf of the property owner.

Request

The applicant is seeking a Site Plan and Traffic Advisory Committee review for a project consisting of the construction of pavement, removals, utilities, grading, landscaping, and other related site work.

Location

The subject property is located at 100 Power Drive.

Existing Land Use

The property is currently the location of Rolls-Royce, which will continue at the subject property.

Zoning

The property is zoned M-1, Light Industrial.

Review

The applicant, ISG, with permission of the property owner, is seeking a Site Plan and Traffic Advisory Committee review of a project at 100 Power Drive.

The project is noted to consist of construction of pavement, removals, utilities, grading, landscaping, and other related site work.

Plans submitted with the request show the installation of new tanks and other related infrastructure on the western side of the existing facility. A fence is shown around the proposed installations.

Attachments

General Location Map

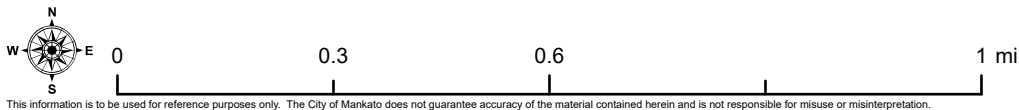
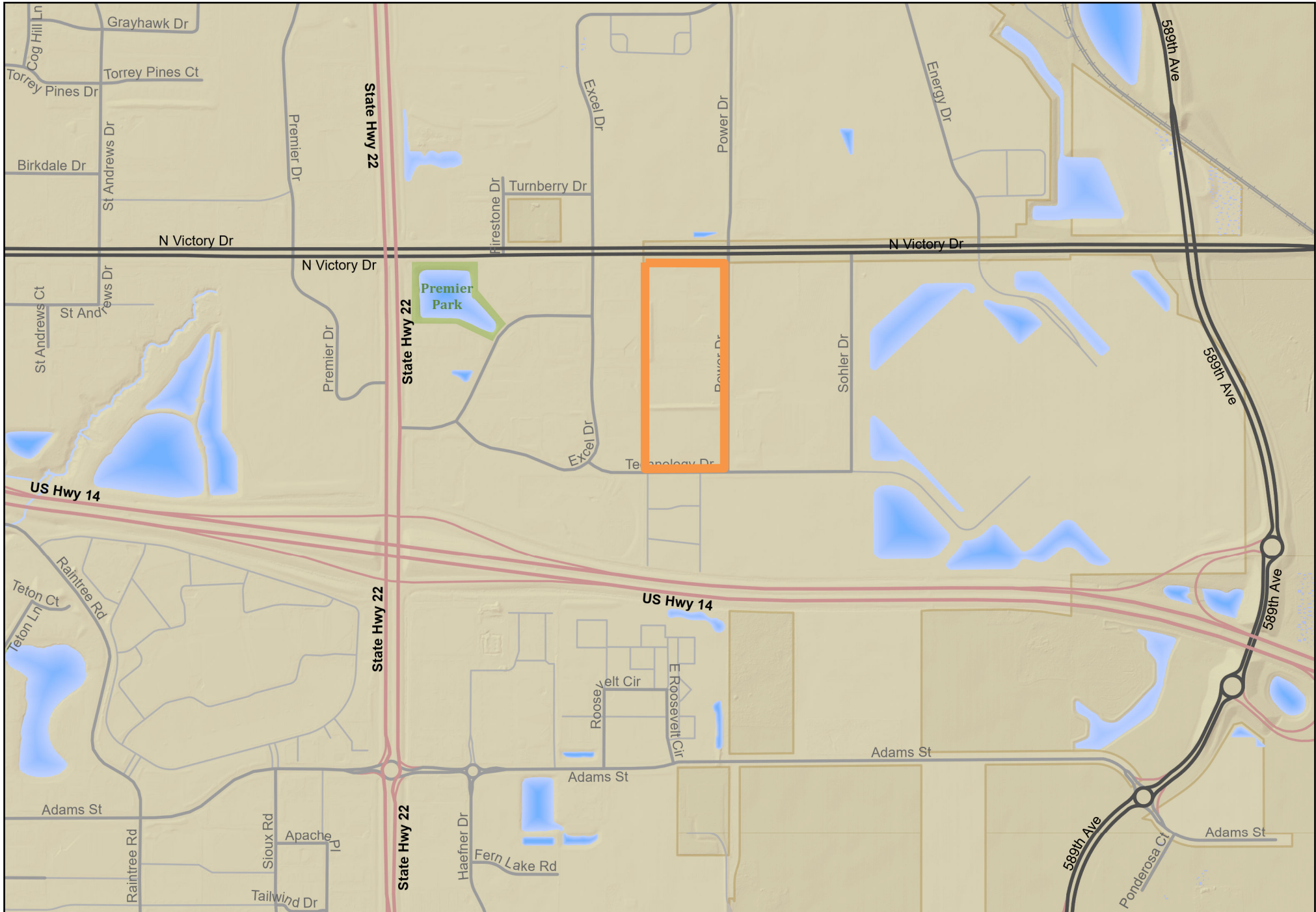
Aerial Plan

Civil Plans

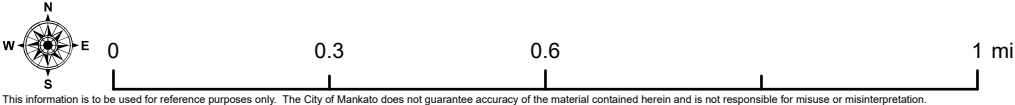
Tank enclosure

Lighting

General Location Map



Aerial Map



ROLLS ROYCE SOLUTIONS AMERICA POWER DRIVE CONCRETE TEST PAD

MANKATO, MINNESOTA

ISG PROJECT # 26-35003



SITE SUMMARY		
ZONING:	M1 LIGHT INDUSTRIAL	
SITE/LOT AREA:	36,552 SF	(0.8 AC)
EXISTING IMPERVIOUS:	13,912 SF	(0.3 AC)
PROPOSED IMPERVIOUS:	25,809 SF	(0.6 AC)
DISTURBED AREA:	27,623 SF	(0.6 AC)
REQUIRED SETBACKS		
	PARKING	BUILDING
FRONT YARD	15'	30'
SIDE YARD	15'	15'
REAR YARD	0'	0'

SHEET INDEX

- G1-10 TITLE
- C0-10 DETAILS
- C2-10 EXISTING SITE AND REMOVAL PLAN
- C3-10 SITE PLAN
- C4-10 GRADING PLAN

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS, AND CLARIFICATIONS ISSUED BY ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED, AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS, AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS A MINIMUM OF 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-252-1166).

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRYAN M. PETZEL

DATE: _____ LIC. NO. 53191

SHEET NOT VALID UNLESS THIS TEXT IS COLOR.

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PROJECT

**ROLLS-ROYCE
SOLUTIONS
AMERICA
POWER DRIVE
CONCRETE TEST
PAD**

MANKATO MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	26-35003
FILE NAME	35003-G1-GENERAL
DRAWN BY	AAQ
DESIGNED BY	AAQ/BMP
REVIEWED BY	BMP
ORIGINAL ISSUE DATE	--/--
CLIENT PROJECT NO.	-

TITLE

TITLE

SHEET

G1-10

PROJECT INDEX:

OWNER:

ROLLS-ROYCE
SOLUTIONS AMERICA, INC.
100 POWER DRIVE
MANKATO, MINNESOTA 56001
PHONE: 507.625.7973

PROJECT
ADDRESS / LOCATION:

100 POWER DRIVE
MANKATO, MINNESOTA 56001

MANAGING OFFICE:
I & S GROUP, INC. (ISG)

MANKATO OFFICE
115 EAST HICKORY STREET
SUITE 300
MANKATO, MN 56001
PHONE: 507.387.6651

PROJECT MANAGER: RANDY POTTER
EMAIL: RANDY.POTTER@ISGINC.COM



SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF MANKATO REQUIREMENTS AND MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2025 EDITION, THE STANDARD SPECIFICATIONS FOR SANITARY SEWER, STORM DRAIN AND WATERMAIN AS PROPOSED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA, 2025 EDITION, AND THE CURRENT VERSION OF THE MINNESOTA STATE PLUMBING CODE UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 1996 ADJUSTMENT (NAD83(1996)) ON THE BLUE EARTH COUNTY COORDINATE SYSTEM, IN U.S. SURVEY FEET.

ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

B.M. ELEVATION=1007.97
TNFH LOCATED APPROX. 960' NORTH OF THE ENTRANCE OF ROLLS-ROYCE SOLUTIONS AMERICA, INC. ON TECHNOLOGY DRIVE

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN SEPTEMBER 2026 BY ISG.

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BRYAN M. PETZEL

DATE: LIC. NO. 53191

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PROJECT
**ROLLS-ROYCE
SOLUTIONS
AMERICA
POWER DRIVE
CONCRETE TEST
PAD**

MANKATO MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

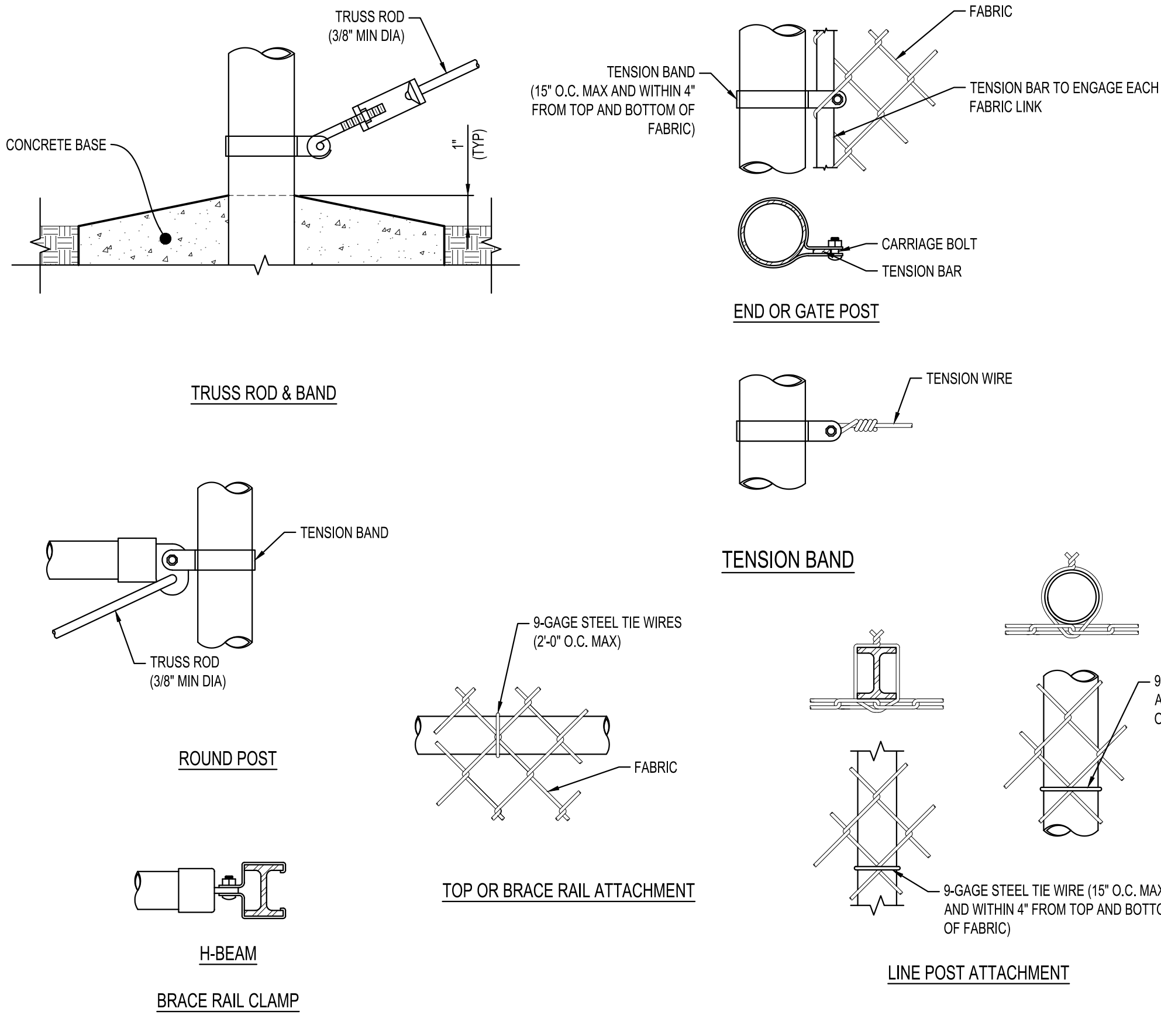
PROJECT NO.	26-35003
FILE NAME	35003-C0-DETAILS
DRAWN BY	AAQ
DESIGNED BY	AAQ/BMP
REVIEWED BY	BMP
ORIGINAL ISSUE DATE	--/--
CLIENT PROJECT NO.	-

TITLE
DETAILS

SHEET
C0-10

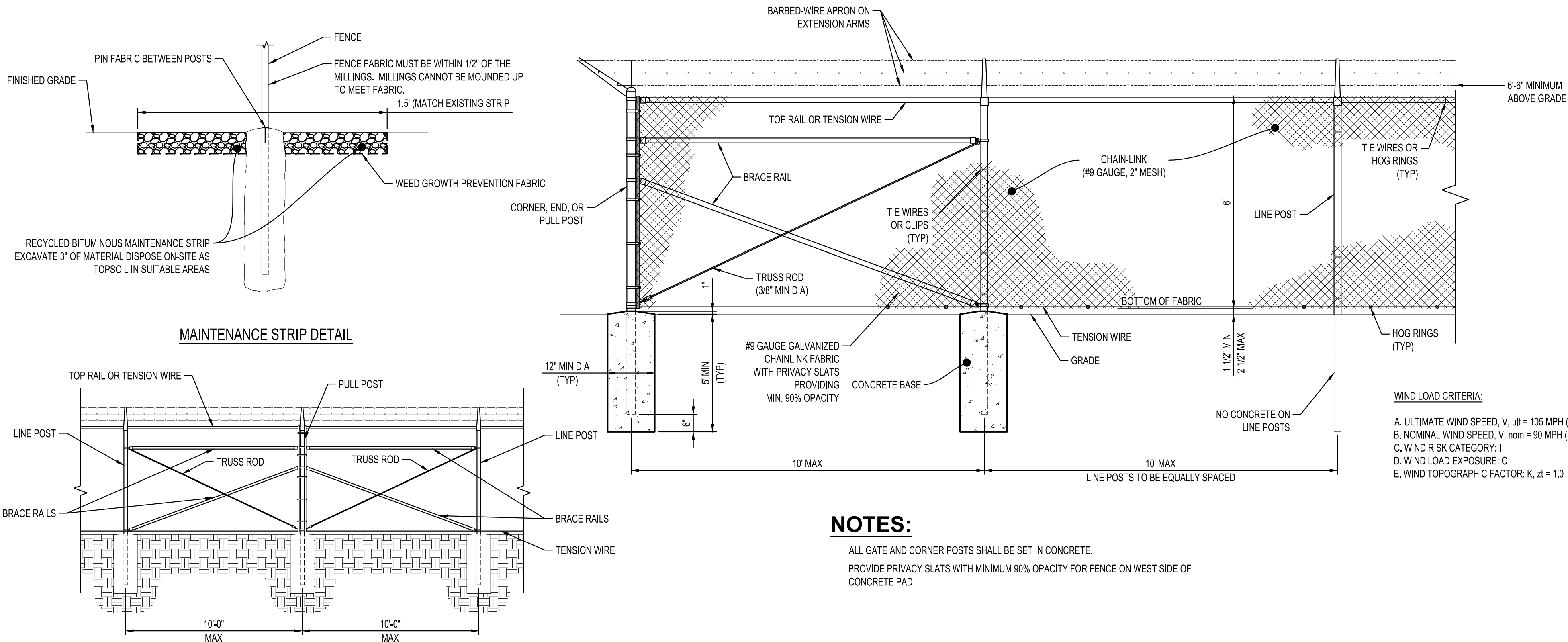
NOTES:

- PERIMETER FENCE SHALL BE SECURED AT ALL TIMES. THE FENCE IS CONSIDERED SECURE WHEN IT IS IN ITS FULL UPRIGHT POSITION, INCLUDING BARBED WIRE.
- FENCE SHALL BE GROUNDED IN ACCORDANCE TO STANDARD SPECIFICATIONS, AND AT ALL LOCATIONS WHERE THE FENCE CROSSES OVERHEAD POWER LINES.
- CONTRACTOR IS REQUIRED TO LOCATE ALL UTILITIES, INCLUDING PRIVATE UTILITIES, CROSSING EXISTING AND PROPOSED FENCE LINE.
- EXCAVATED MATERIAL TO BE DISPOSED ON-SITE SHALL BE THINLY SPREAD INSIDE FENCE LINE.
- DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPES OF FENCE SECTIONS AND METHODS OF INSTALLATION THAT COMPLY WITH THE SPECIFICATIONS.
- WIRE TIES, RAILS, POSTS AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE SIDE OPPOSITE THE SECURE AREA.
- UNLESS SPECIFICALLY SHOWN OR SPECIFIED, ALL FENCE SHALL HAVE APRON EXTENDED OUTWARD FROM THE AREA BEING PROTECTED.
- C-SECTION POSTS SHALL BE INSTALLED SO THAT THE VOID INSIDE THE POST IS COMPLETELY FILLED WITH CONCRETE UP TO THE TOP OF THE FOUNDATION.
- ALL CORNER, END, PULL, AND LINE POSTS SHALL BE SIZED AND DESIGNED BY FENCE SUPPLIER USING THE WIND LOAD CRITERIA LISTED BELOW (REFERENCE ASCE 7-10). FENCE SHALL NOT BE DESIGNED FOR ANY COVERINGS OR PRIVACY SLATTING. PROVIDE CALCULATIONS FOR REVIEW PRIOR TO FABRICATION.
- ALL MAN GATES SHALL HAVE CRASHBAR HARDWARE INSTALLED ON THE INTERIOR SIDE OF THE GATE.
- FENCE SHALL HAVE FABRIC PIN/ STAKE BETWEEN POSTS.
- MATCH EXISTING / ADJACENT FENCE IN ALL ASPECTS.



CHAIN-LINK FENCE FASTENING DETAILS

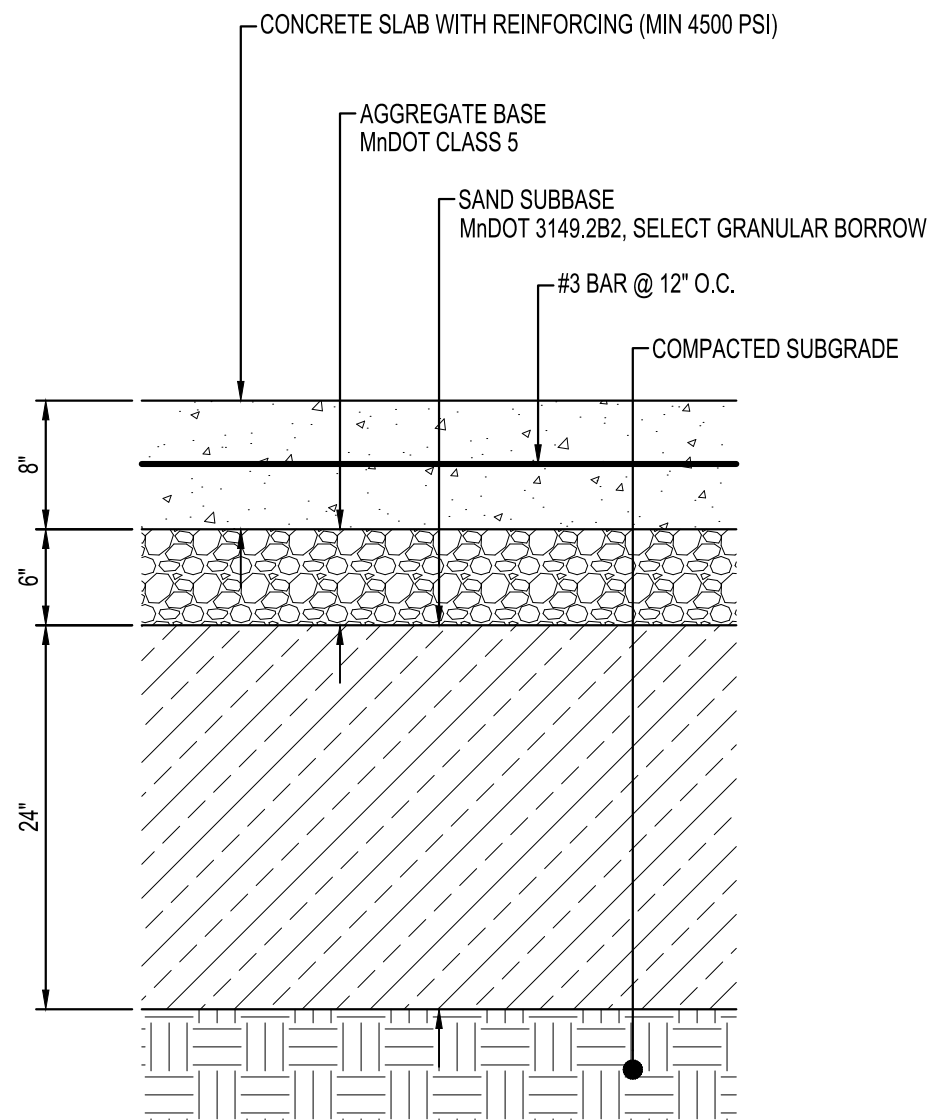
EXTENSION ARM DETAILS



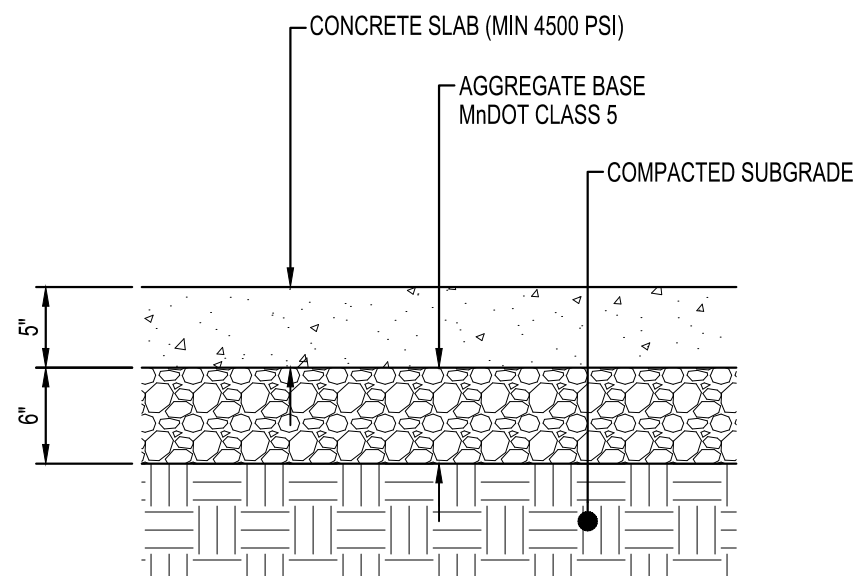
NOTES:

- ALL GATE AND CORNER POSTS SHALL BE SET IN CONCRETE.
PROVIDE PRIVACY SLATS WITH MINIMUM 90% OPACITY FOR FENCE ON WEST SIDE OF CONCRETE PAD

BARBED WIRE
CHAIN-LINK FENCE
NTS

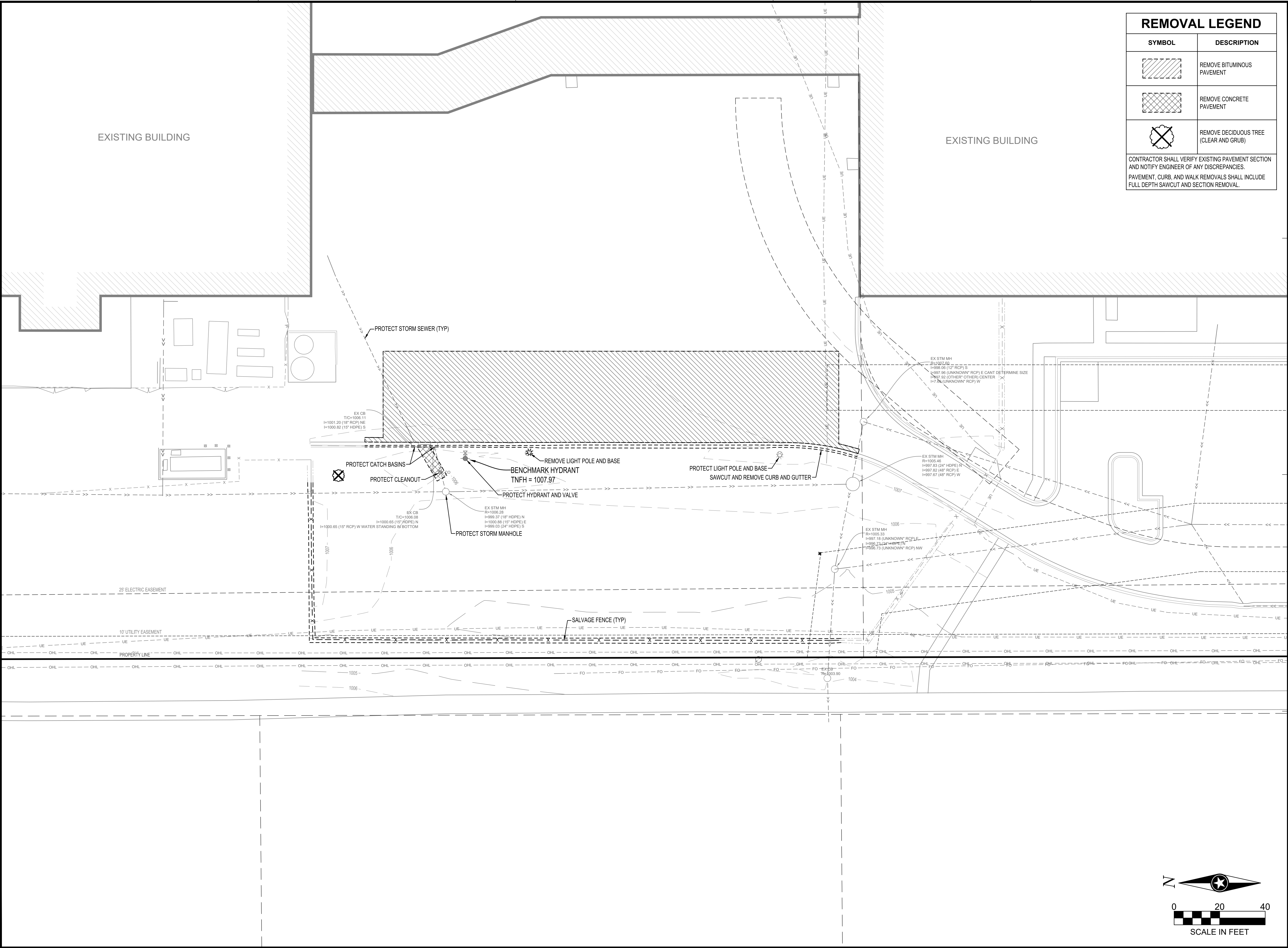


CONCRETE PAVEMENT
NTS



CONCRETE WALK
NTS

- WIND LOAD CRITERIA:
- A. ULTIMATE WIND SPEED, V_{ult} = 105 MPH (3 SEC GUST)
 - B. NOMINAL WIND SPEED, V_{nom} = 90 MPH (3 SEC GUST)
 - C. WIND RISK CATEGORY: I
 - D. WIND LOAD EXPOSURE: C
 - E. WIND TOPOGRAPHIC FACTOR: K_{zt} = 1.0



REMOVAL LEGEND

SYMBOL	DESCRIPTION
	REMOVE BITUMINOUS PAVEMENT
	REMOVE CONCRETE PAVEMENT
	REMOVE DECIDUOUS TREE (CLEAR AND GRUB)

CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
PAVEMENT, CURB, AND WALK REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT AND SECTION REMOVAL.



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BRYAN M. PETZEL

DATE: _____ LIC. NO. 53191

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PROJECT

**ROLLS-ROYCE
SOLUTIONS
AMERICA
POWER DRIVE
CONCRETE TEST
PAD**

MANKATO MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

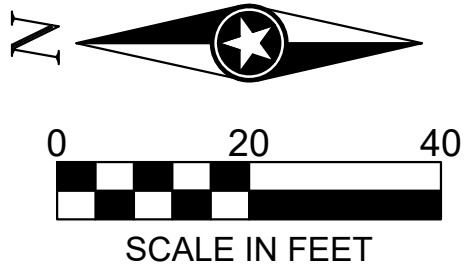
PROJECT NO.	26-35003
FILE NAME	35003-C2-EXIST
DRAWN BY	AAQ
DESIGNED BY	AAQ/BMP
REVIEWED BY	BMP
ORIGINAL ISSUE DATE	--/--
CLIENT PROJECT NO.	-

TITLE

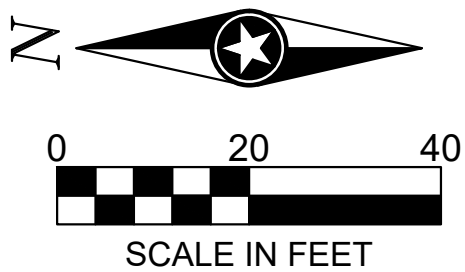
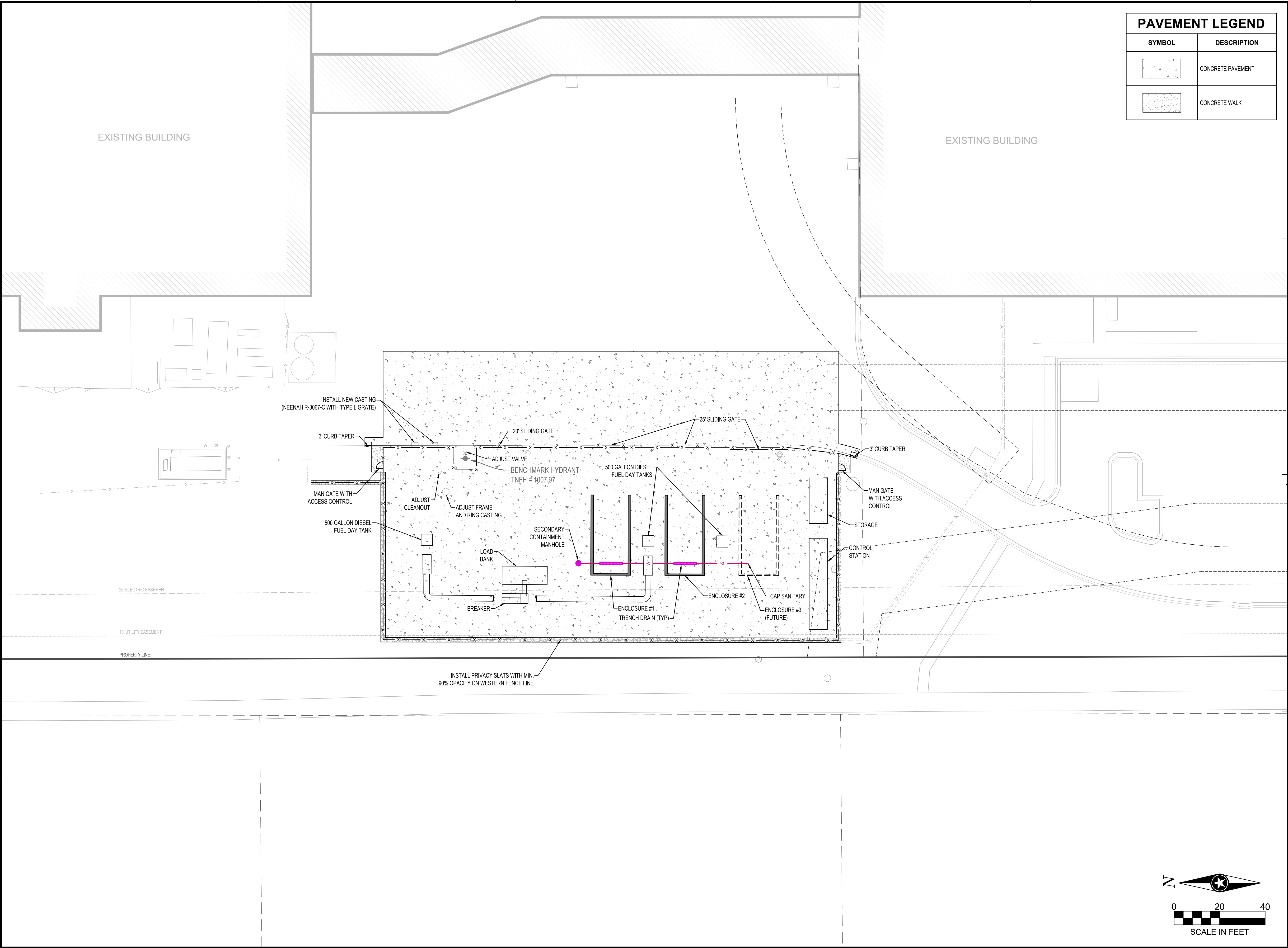
**EXISTING SITE AND
REMOVAL PLAN**

SHEET

C2-10



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DATE: L.I.C. NO. 53191

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PROJECT
**ROLLS-ROYCE
SOLUTIONS
AMERICA
POWER DRIVE
CONCRETE TEST
PAD**
MANKATO MINNESOTA

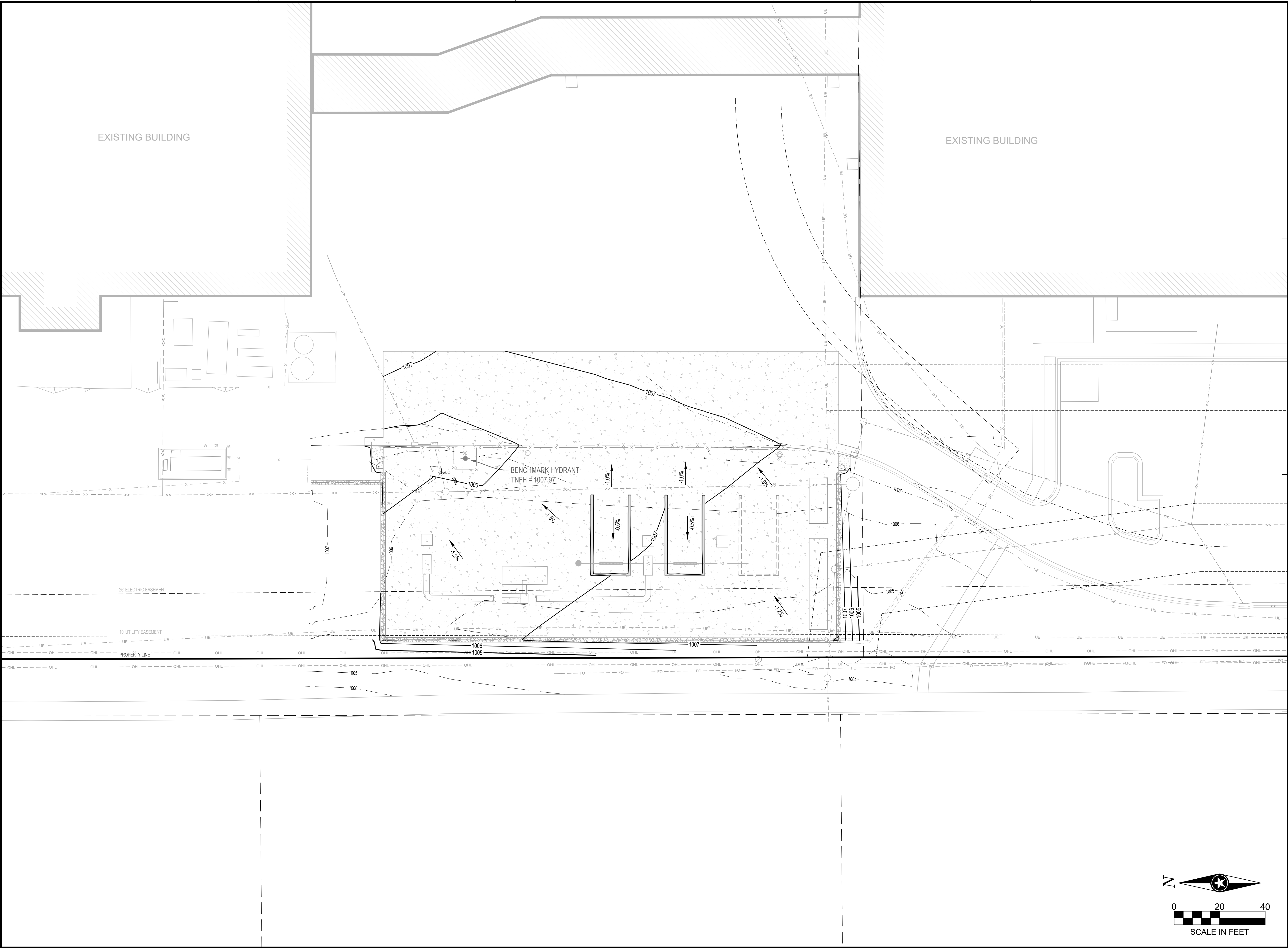
REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	26-35003
FILE NAME	35003-C3-SITE
DRAWN BY	AAQ
DESIGNED BY	AAQ/BMP
REVIEWED BY	BMP
ORIGINAL ISSUE DATE	--/--
CLIENT PROJECT NO.	-

TITLE
SITE PLAN

SHEET
C3-10

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BRYAN M. PETZEL

DATE: _____ LIC. NO. 53191

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PROJECT
**ROLLS-ROYCE
SOLUTIONS
AMERICA
POWER DRIVE
CONCRETE TEST
PAD**
MANKATO MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	26-35003
FILE NAME	35003-C4-GRADE
DRAWN BY	AAQ
DESIGNED BY	AAQ/BMP
REVIEWED BY	BMP
ORIGINAL ISSUE DATE	--/--
CLIENT PROJECT NO.	-

TITLE
GRADING PLAN

SHEET
C4-10

PRELIMINARY NOT FOR CONSTRUCTION

CUSTOMER APPROVAL

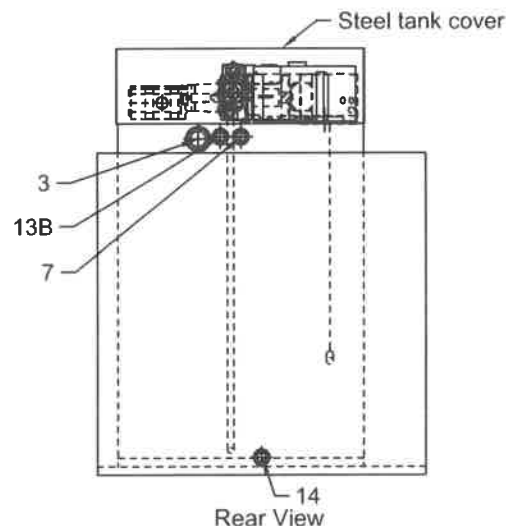
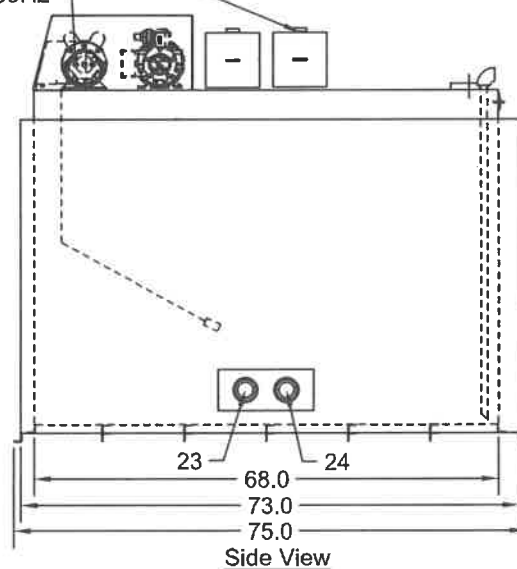
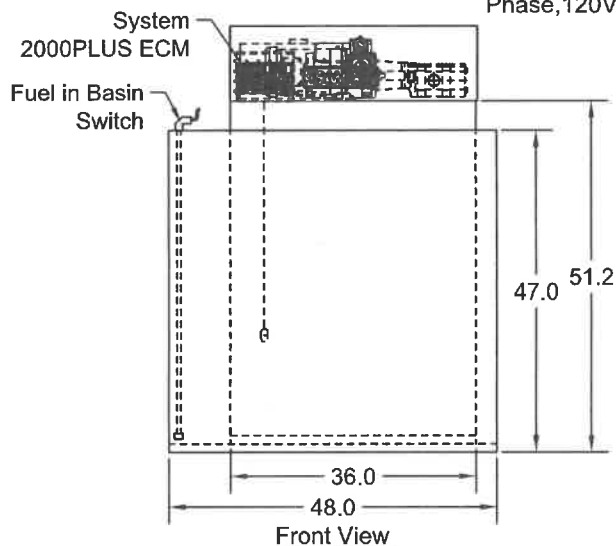
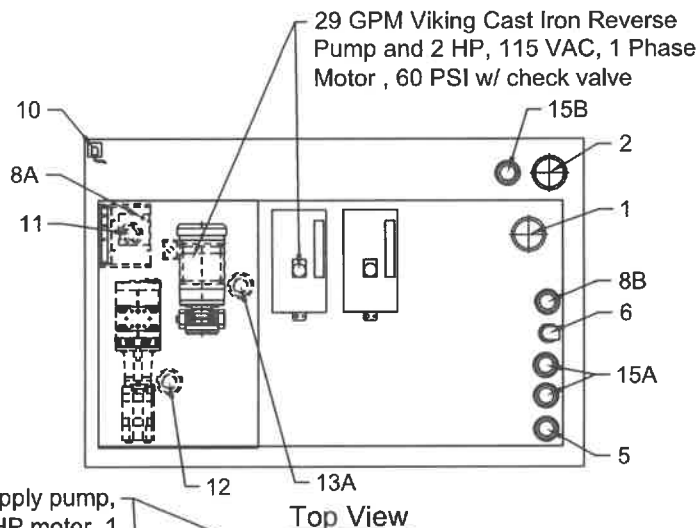
NAME: Hunter Mendenhall

DATE: 4/1/2026

IMPORTANT: BY SIGNING THIS DRAWING YOU ARE APPROVING IT AS IS. IF CHANGES ARE REQUIRED, A NEW DRAWING WILL BE REQUIRED.

Notes:

1. Day tank includes rust preventative interior coating, exterior primed and finish painted gray w/ black cover.
2. Tank pressure tested from 3.0 to 5.0 PSI.
3. Approximate dry weight = 1,300 Lbs.
4. For details on the System 2000 Plus see separate specifications sheet.
5. See pump specification sheet for more defaults. See pump lift work sheets for additional information on pump head and lift.



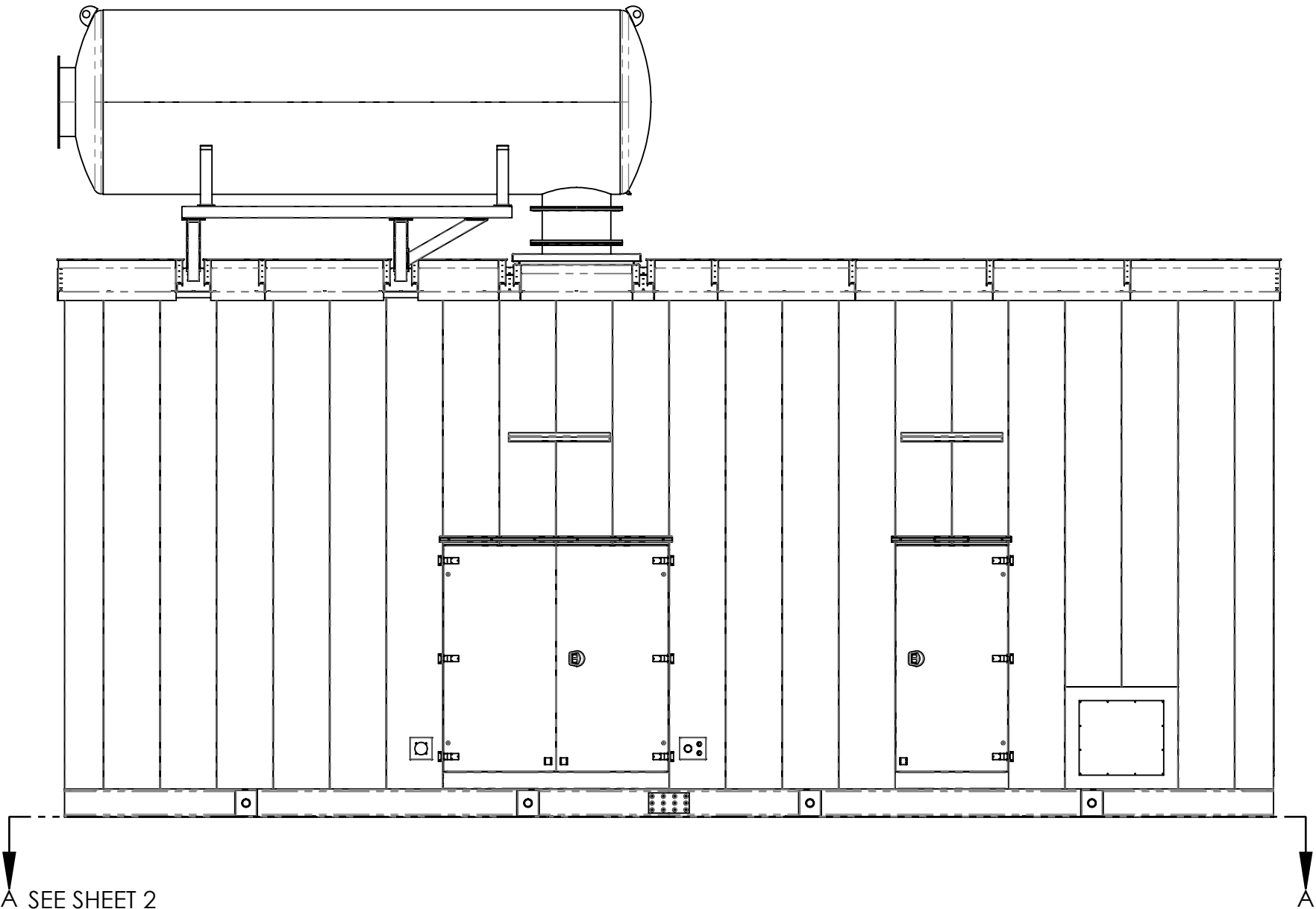
Fittings	Description
1	4" NPT, Emergency tank vent
2	4" NPT, Rupture basin emergency vent
3	2" NPT, Normal tank vent
5	2" NPT, Direct reading gauge
6	Engine supply, 1" NPT full length dip tube
7	1" NPT, Engine return
8A	Critical high fuel level switch
8B	2" NPT, Dual level switch
10	1-1/4" NPT, Rupture basin switch
11	Sender, 0-90 ohms, wires to System 2000Plus
12	1-1/2" NPT, Fuel inlet from main tank
13A	1-1/2" NPT, Overflow, 7"L dip tube for reverse pump
13B	1" NPT, Overflow, gravity return, Plugged
14	1" NPT, Basin drain, Plugged
15A	(2x) 2" NPT, spare, customer use, plugged, tank
15B	2" NPT, spare, customer use, plugged, basin
23	2" NPT, Immersion Heater
24	2" NPT, for cut off switch



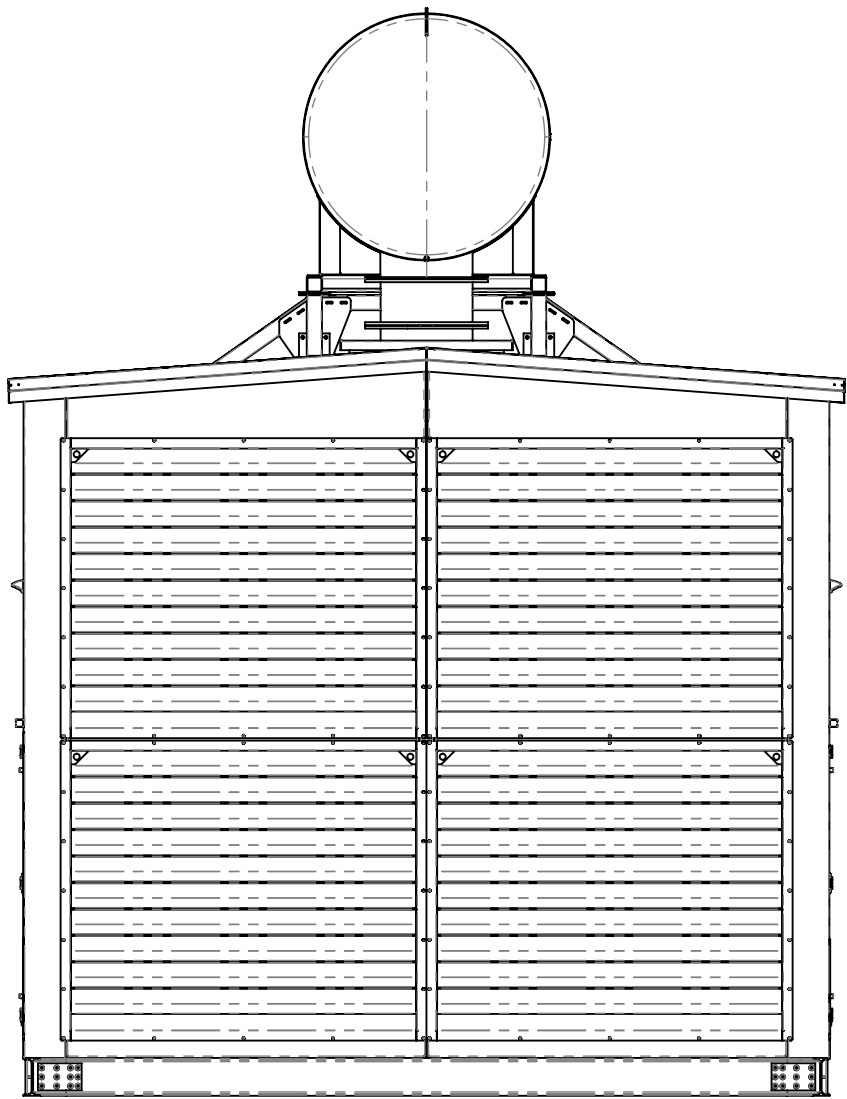
				TRAMONT MANUFACTURING LLC 326 E. KEEFE AVE. MILWAUKEE, WISCONSIN 53212		THIS DESIGN IS THE CONFIDENTIAL PROPERTY OF TRAMONT MFG. FOR USE BY TRAMONT MFG. CUSTOMERS FOR SUBMITTAL PURPOSES ONLY. IN LINE WITH CONTINUOUS PRODUCT DEVELOPMENT, WE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE			
Angle = +/- 1.5° X = +/- .250 in. .XX = +/- .125 in. .XXX = +/- .062 in.				DRAWN BY: GBH CHK'D: DATE: 03/26/26 APPROVED: DATE: NTS SCALE: NTS		DESCRIPTION: UTRS-500 Day Tank w/ Weatherproof Basin			
00 03/26/26 Start (from 106-0299) GBH		S. Rev Date Description Name		FOR: Submittal, Tank		SHEET 1of1		DRAWING NO.: D8003516	
Change Block									

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ENC01-0304 REV H	ENCLOSURE FINAL ASSEMBLY	1

B



A



B

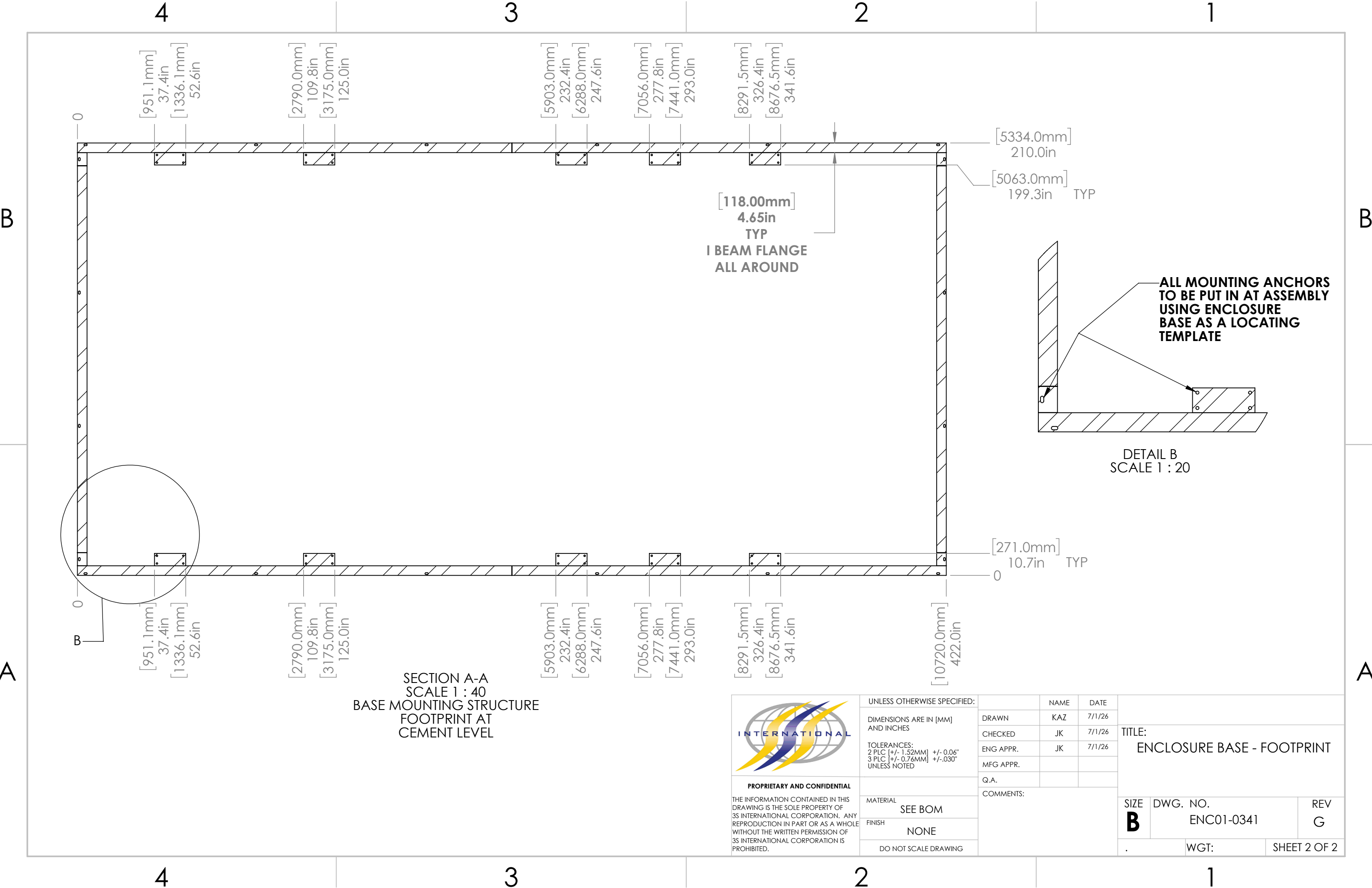
A



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: ENCLOSURE BASE - FOOTPRINT		
DIMENSIONS ARE IN [MM] AND INCHES TOLERANCES: 2 PLC [+/- 1.52MM] +/- 0.06" 3 PLC [+/- 0.76MM] +/- .030" UNLESS NOTED	DRAWN	KAZ	7/1/26			
	CHECKED	JK	7/1/26			
	ENG APPR.	JK	7/1/26			
	MFG APPR.					
	Q.A.			SIZE B DWG. NO. ENC01-0341 REV G		
MATERIAL SEE BOM	COMMENTS:					
FINISH NONE						
DO NOT SCALE DRAWING						
				.	WGT:	SHEET 1 OF 2



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DIMENSIONS ARE IN [MM]
AND INCHES

TOLERANCES:
2 PLC [+/- 1.52MM] +/- 0.06"
3 PLC [+/- 0.76MM] +/- 0.030"
UNLESS NOTED

MATERIAL
SEE BOM

FINISH
NONE

DO NOT SCALE DRAWING

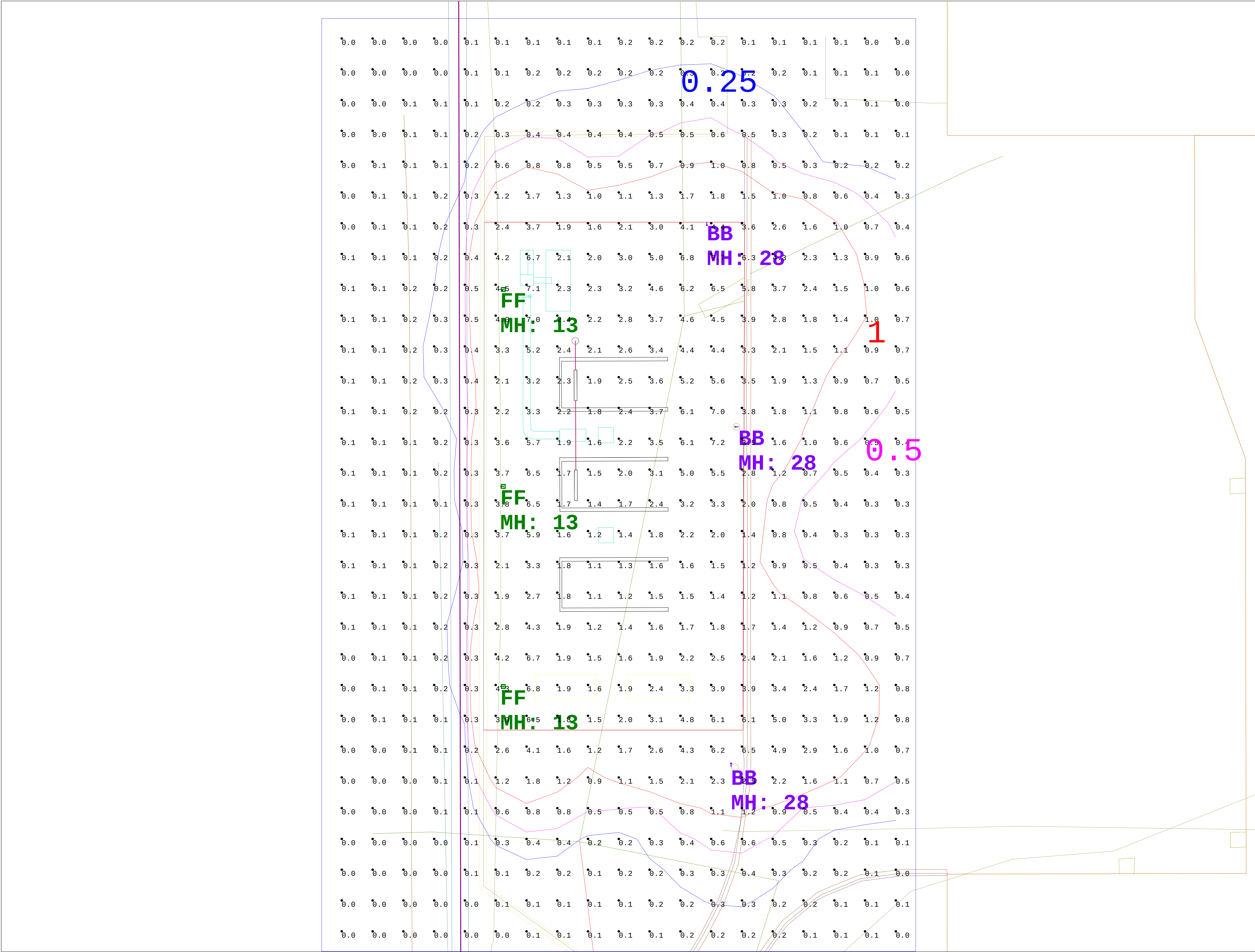
NAME	DATE
DRAWN	KAZ 7/1/26
CHECKED	JK 7/1/26
ENG APPR.	JK 7/1/26
MFG APPR.	
Q.A.	

COMMENTS:

TITLE:
ENCLOSURE BASE - FOOTPRINT

SIZE	DWG. NO.	REV
B	ENC01-0341	G

WGT: SHEET 2 OF 2



Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min		
Ground Planar	Illuminance	Fc	1.28	7.7	0.0	N.A.	N.A.		
Luminaire Schedule		Arrangement		Description		LLF	Luminaire Lumens	Luminaire Watts	Total Watts
Symbol	Qty	Label		PRV-C15-D-UNV-T2-BZ-HSS		0.910	6551	52	156
	3	FF	Single	ALW LS210 T4 G2		0.910	21963	149.5	448.5
	3	BB	Single	FSK-21000Lm-40K					



AID ELECTRIC CORPORATION

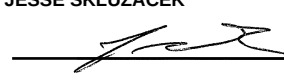
1622 93rd Lane NE
Blaine, MN 55449

Phone: 763.571.7267
Fax: 763.571.4735

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LIC # AM007166
JESSE SKLIZACEK



CLIENT

R&D OUTDOOR TEST PAD
100 POWER DRIVE

PROJECT

R&D OUTDOOR TEST PAD
100 POWER DRIVE

LIGHTING LAYOUT

REVISIONS	
NO.	DATE

DATE: 9-18-2026

DRAWN BY JAW	SCALE NONE
-----------------	---------------

SHEET

E1.0

Project		Catalog #	PRV-C15-740-D-UNV-T2-SA-BZ-HSS	Type	
Prepared by		Notes		Date	



Lumark

Prevail LED

Area / Site Luminaire

Product Features



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



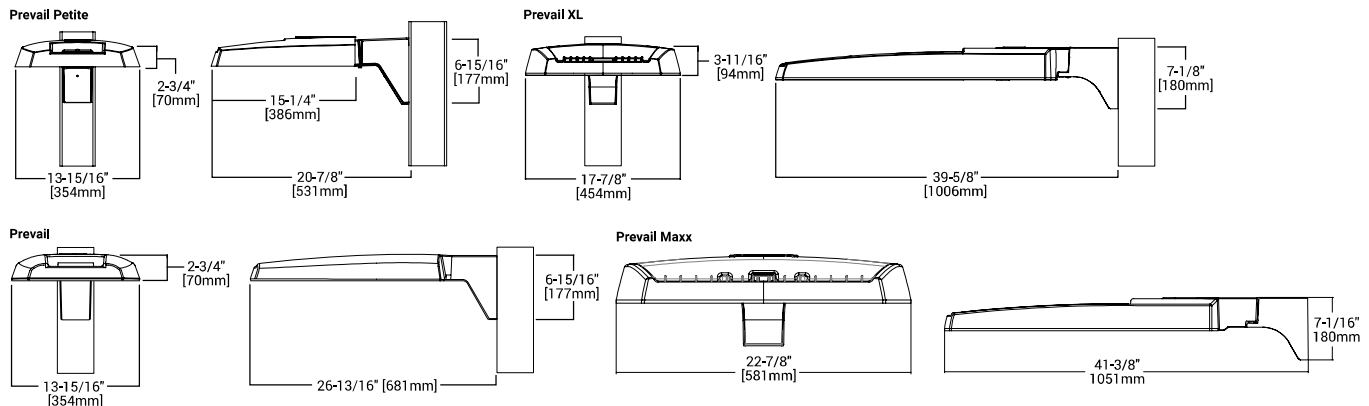
Quick Facts

- 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



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-C75-740-D-UNV-T4-SA-BZ**

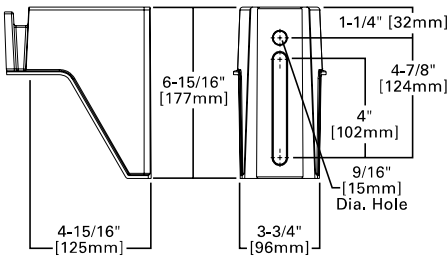
Product Family ^{1, 2}	Light Engine ⁴	Color Temperature	Driver	Voltage	Distribution	Mounting	Color				
PRV-P =Prevail Petite BAA-PRV-P =Prevail Petite BAA Compliant ³ TAA-PRV-P =Prevail Petite TAA Compliant ³ BABA-PRV-P =Prevail Petite BABA Build America Buy America Act Compliant ³⁰	C10 =(1 LED) 4,900 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 ²⁶ WM =QM Wall Mount Arm ADJA-WM =Adjustable Arm-Wall Mount ²⁸ ADJA =Adjustable Arm-Pole Mount ²⁸ ADJS =Adjustable Arm-Slipfitter, 3" vertical tenon ²⁸ SP2 =Adjustable Arm-Slipfitter, 2 3/8" vertical tenon ^{26, 28}	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 BABA-PRV =Prevail BABA Build America Buy America Act Compliant ³⁰	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 BABA-PRV-XL =Prevail XL BABA Build America Buy America Act Compliant ³⁰	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 BABA-PRV-M =Prevail Maxx BABA Build America Buy America Act Compliant ³⁰	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)			Accessories (Order Separately) ^{20, 21}								
CC =Coastal Construction finish ⁹ HSS =House Side Shield ⁷ 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 ⁸ PR =NEMA 3-PIN Twistlock Photocontrol Receptacle ¹⁰ PR7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁰ FADC =Field Adjustable Dimming Controller ²⁹ MS/DIM-L08 =Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting Height ^{11, 12} MS/DIM-L20 =Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting Height ^{11, 12} MS/DIM-L40 =Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting ^{11, 12}			SPB1 =Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting Height ^{11, 13} SPB2 =Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting Height ^{11, 13} SPB4 =Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting Height ^{11, 13, 26, 27} WPS2XX =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{11, 14, 15, 16} WPS4XX =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{11, 14, 15, 16} WLS2XX =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{11, 14, 15, 16} WLS4XX =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{11, 14, 15, 16}			PRVSA-XX =Standard Arm Mounting Kit ²¹ PRVMA-XX =Mast Arm Mounting Kit ²¹ PRVWM-XX =Wall Mount Kit ²¹ PRV-ADJA-XX =Adjustable Arm - Pole Mount Kit ²¹ PRV-ADJS-XX =Adjustable Arm - Slipfitter Kit ²¹ PRV-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²¹ PRVXLSA-XX =Standard Arm Mounting Kit ²⁷ PRVXLMA-XX =Mast Arm Mounting Kit ²⁷ PRVXLWM-XX =Wall Mount Kit ²⁷ PRV-XL-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁷ PRV-XL-ADJS-XX =Adjustable Arm - Slipfitter Kit ²⁷ PRV-XL-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²⁷ PRV-M-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁶ PRV-M-ADJS-XX =Adjustable Arm - Slipfitter Kit ²⁶ PRV-M-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²⁶ 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 ²² PRVXL/COB-FDV =Full Drop Visor ¹⁷ HS/VERD =House Side Shield Kit ^{7, 23} VGS-F/B =Vertical Glare Shield Kit, Front/Back ²³ VGS-SIDE =Vertical Glare Shield Kit, Side ²³ 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 ²⁴ WOLC-7P-10A =WaveLinX Outdoor Control Module (7-PIN) ²⁵		
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 all 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. House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package. 8. Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package. 9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 10. If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used. 11. Controls system is not available in combination with a photocontrol receptacle (PR & PER7) or another controls system (MS or SPB). Option not available with DuraVolt (DV) voltage option. 12. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately. 13. 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. 14. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F). 15. 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. 16. Replace XX with sensor color (WH, BZ, or BK). 17. Only available in PRV-XL configurations C75, C100, C125, C150, or C175. 18. Not available with 347V, 480V, DV, or HA options. 19. Replace XX with paint color. 20. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 21. Not for use with PRV-XL or PRV-M configurations. 22. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P. 23. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, 6 or 9). 24. 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. 25. 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. 26. Only for use with PRV-M configurations. 27. Only for use with PRV-XL configurations. 28. Fixed for PRV-M. 29. Cannot be used with PR7 or other motion response control options 30. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.											

Stock Ordering Information

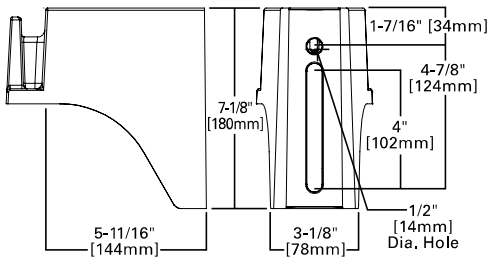
Product Family ¹	Light Engine	Voltage	Distribution
PRVS =Prevail	C15 =(1 LED) 7,100 Nominal Lumens C25 =(2 LEDs) 13,100 Nominal Lumens C40 =(2 LEDs) 17,100 Nominal Lumens C60 =(2 LEDs) 20,000 Nominal Lumens	UNV =Universal (120-277V) 347 =347V ²	T3 =Type III T4 =Type IV
PRVS-XL =Prevail XL	C75 =(4 LED) 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

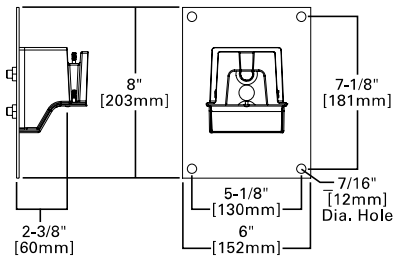
SA=QM Pole Mount Arm (PRV & PRV-P)



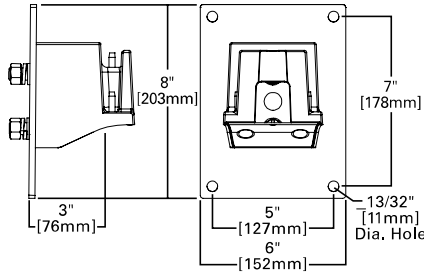
SA=QM Pole Mount Arm (PRV-XL)



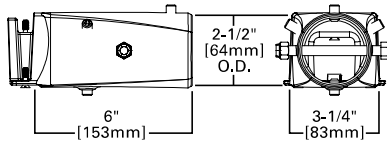
WM=QM Wall Mount Arm (PRV & PRV-P)



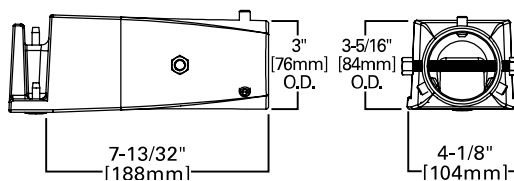
WM=QM Wall Mount Arm (PRV-XL)



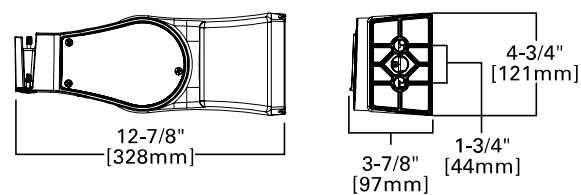
MA=QM Mast Arm (PRV & PRV-P)



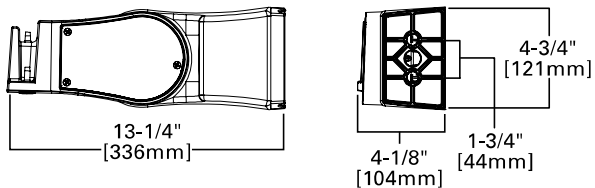
MA=QM Mast Arm (PRV-XL)



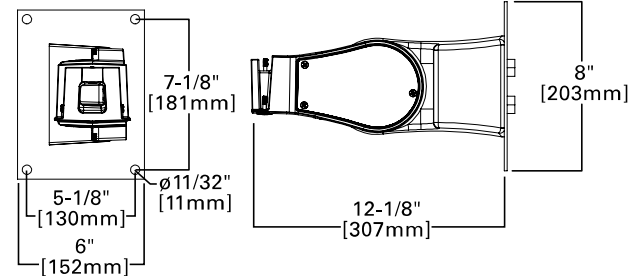
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



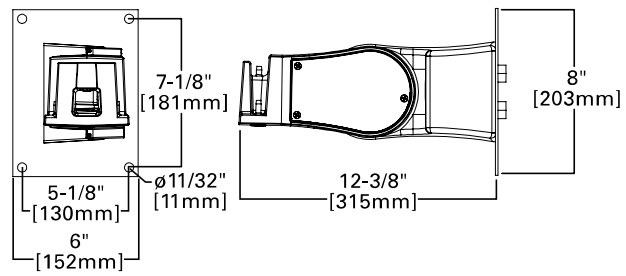
ADJA=Adjustable Arm Pole Mount (PRV-XL)



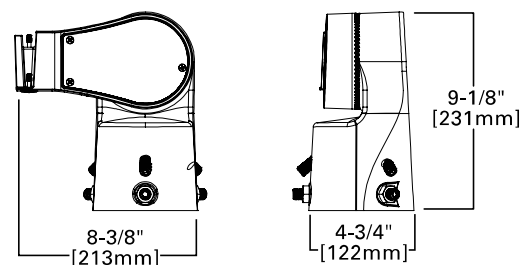
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



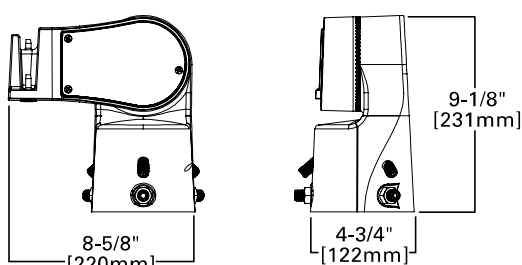
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



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

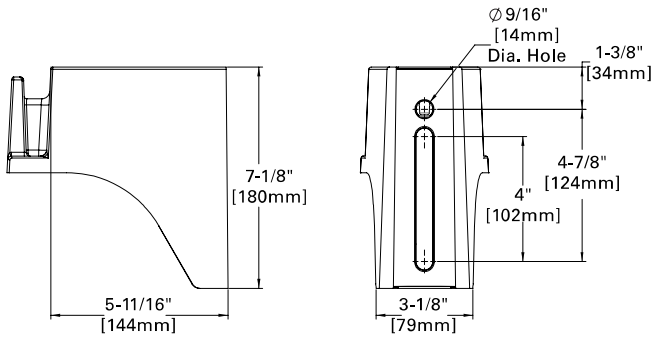


ADJS=Adjustable Slipfitter 3 (PRV-XL)

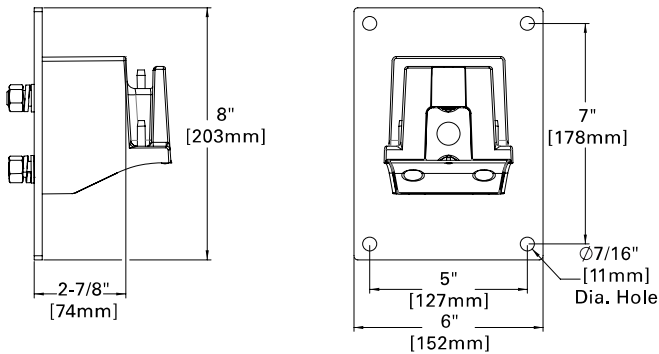


Mounting Details

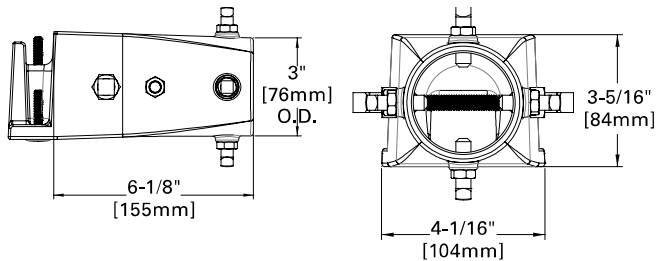
SA=QM Pole Mount Arm (PRV-M)



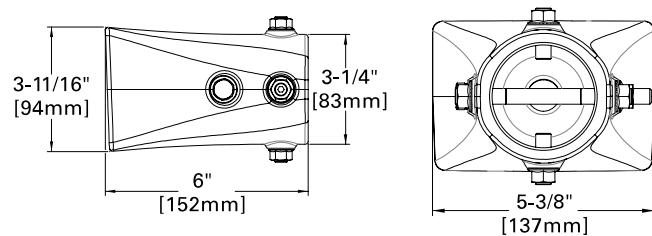
WM=QM Wall Mount Arm (PRV-M)



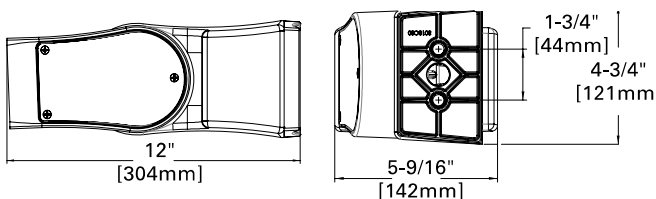
MA=QM Mast Arm (PRV-M)



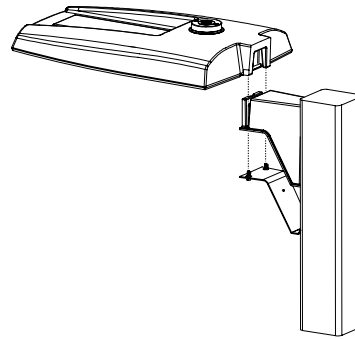
FMA=Fixed Mast Arm (PRV-M)



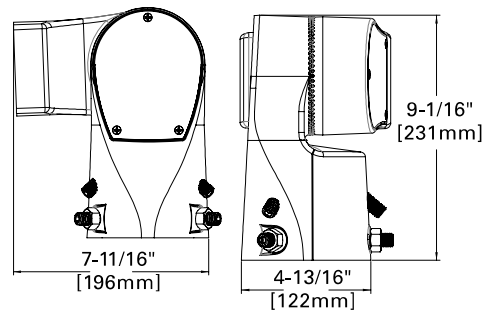
DM=Direct Pole Mount Arm (PRV-M)



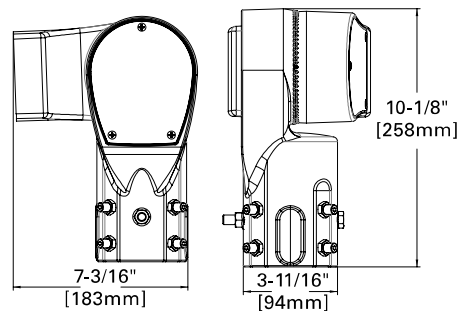
Versatile Mount System



ADJS=Adjustable Slipfitter (PRV-M)

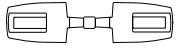
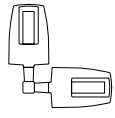
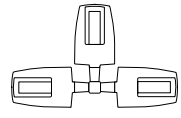
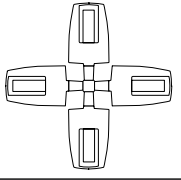


SP2=Adjustable Slipfitter 2-3/8\" (PRV-M)



Mounting Details

Mounting Configurations and EPAs

						
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

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.

Optical Configurations

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



PRV-C15
(7,100 Nominal Lumens)



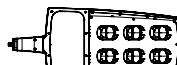
PRV-C25/C40/C60
(13,100/17,100/20,000
Nominal Lumens)



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



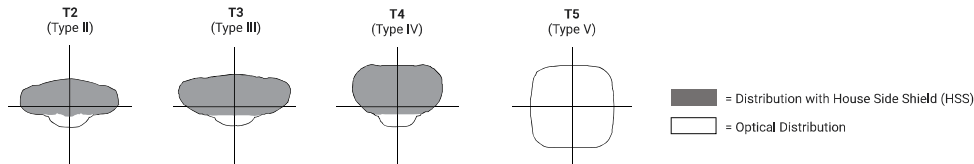
PRV-XL-C150/C175
(41,100/48,600 Nominal Lumens)



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



Optical Distributions



Product Specifications

Optics

- 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

Physical Characteristics

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

Controls

- 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

Compliance

- DarkSky approved for 3000K CCT and warmer, with mounting options less than 10° of tilt.
- DLC and DLC Premium listed – visit designlights.org to confirm listed variations
- Prevail and Prevail Petite: 3G vibration rated
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated
- BAA domestic preference option meets BAA requirements. See DOMESTIC_PREFERENCES website or consult the CLS Domestic Preferences team for more information
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the DOMESTIC_PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Typical Applications

- Parking lots
- Walkways
- Roadways
- Building Areas

Shipping Data

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

Warranty

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

Energy and Performance Data

Power and Lumens


[View PRV-P IES files](#)

[View PRV IES files](#)

[View PRV-XL IES files](#)

Product Family		Prevail Petite				Prevail				Prevail XL					Prevail Maxx			
Light Engine		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

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

Sensor Color Reference Table (SPBx)

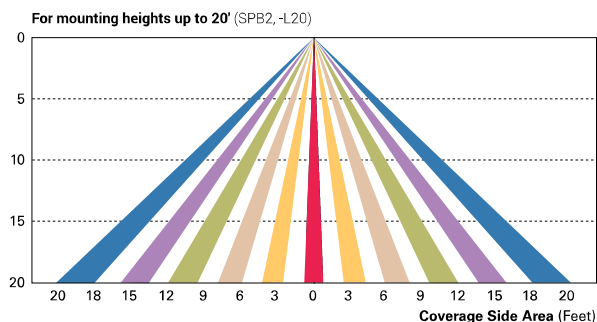
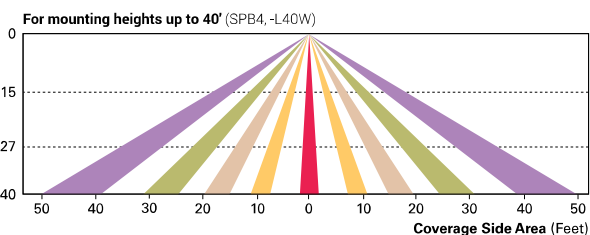
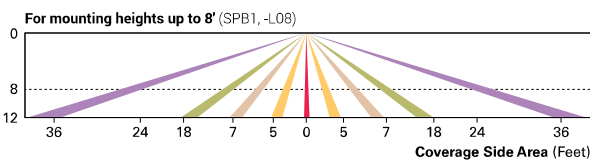
Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

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.

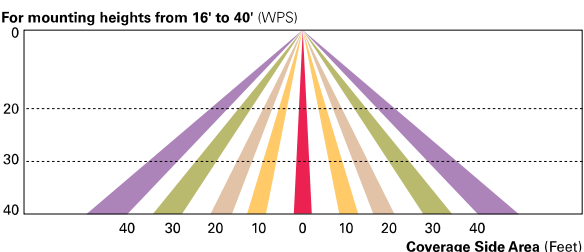
Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These 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'.





ALW G2

LED Selectable Area Light Wave Series **PERFORMANCE XP**

Due to continuous product improvements, specification and/or equipment updates may change without notice.

Project:

Catalog #: **ALW LS210**

Fixture Type: **T4-G2-FSK/AL-**

Notes: **SPAR**



Pending



Replaces up to 8 similar static luminaires.



ALW Medium Area Light

(Images are shown for illustration purposes only)



ALW Large Area Light

The ALW LED Selectable Area Lights Wave Series is a performance-first area light featuring an exclusive housing for an appealing look. Available in multiple finishes, mounts, distributions, and selectable lumen/CCT drivers - this series improves upon the Gen 1 Wave Series and boosts it with SKU Saving excellence.

Catalog Number	Description	Lumens	Watts	CCT	Voltage
ALW LS210 T3 G2 FSK	LED Selectable Area Light - Medium Size - Type III Distribution - Dark Bronze	Selectable 6,370 - 21,000 Lm	Selectable 40 - 150 W	Selectable 4000K - 5000K	120V - 277V
ALW LS210 T3 G2 HVU FSK	LED Selectable Area Light - Medium Size - Type III Distribution - Dark Bronze - High Voltage	Selectable 6,370 - 21,000 Lm	Selectable 40 - 150 W	Selectable 4000K - 5000K	277 - 480 V
ALW LS430 T3 G2 FSK	LED Selectable Area Light - Large Size - Type III Distribution - Dark Bronze	Selectable 24,000 - 47,000 Lm	Selectable 150 - 300 W	Selectable 4000K - 5000K	120V - 277V
ALW LS430 T3 G2 HVU FSK	LED Selectable Area Light - Large Size - Type III Distribution - Dark Bronze - High Voltage	Selectable 24,000 - 47,000 Lm	Selectable 150 - 300 W	Selectable 4000K - 5000K	277 - 480 V

Also available in Type VI, and Type V distribution.

ORDERING GUIDE

Example: **ALW LS210 T3 G2 HVU FSK SG**

Fixture Type	Selectable Lumen Output	Dist. Type	Generation	Voltage	Selectable CCT	Finish	Mount	Options
• ALW LED Selectable Area Light - Wave Series	• LS210 6,370 Lm / 40 W 10,000 Lm / 70 W 14,200 Lm / 100 W 21,000 Lm / 150 W • LS430 24,000 Lm / 150 W 28,000 Lm / 200 W 34,000 Lm / 240 W 46,000 Lm / 300 W	• T3 Type III • T4 Type IV • T5 Type V • WFL Wide Flood 6Hx7V	• G2 Second Generation	• BLANK 120-277 V • HVU 277-480 V	• FSK 4000K 5000K	• BLANK Dark Bronze • B Black • SG Silver • W White • C* Custom	• AL-SPAR Square and Round Pole Mount • AL-WMB Wall Mount • AL-SFD Slipfitter Mount • AL-T Trunnion Mount	• PC-1 Twist-lock Photocell (120-277V) • PC-2 Twist-lock Photocell (480V) • PC-3 Pin receptacle • MS-ACI-01 Motion Sensor 120-277V • L7 (20'-40' Mounting Height - 80' diameter - 1.3" fitting) • RM51 Remote for MS-ACI-01 • ALW-M-EGS External Glare Shield (Medium) • ALW-L-EGS External Glare Shield (Large)

*For custom color, please call to place your order.

Specifications

Housing

Rugged one-piece, die-cast aluminium, completely sealed against moisture and environmental contaminants.

Ambient Temperature

Suitable for use in -40°C to 45°C (-40°F to 113°F)

Mounting

Mounting options include Square and Round Pole Mount, Wall Mount, Trunnion Mount, and Adjustable Slipfitter Mount.

CCT and CRI

Selectable 4000K and 5000K CCT; 70CRI

Lumen Output

Lumen packages ranging from 6,370 to 46,000 Lumens

Warranty

10-year limited warranty. 1-year labor warranty. Comprehensive warranty terms can be located on www.slgus.com

Electrical

Standard 120-277V or HVU 277V-480V. Standard 1-10V Dimming for 10% to 100% dimming capabilities. Power adjustable: 100%, 80%, 60%, 40%.

Certifications

UL Listed for wet locations. Equivalent to IP65 rating. FCC compliant. RoHs compliant. Design Lights Consortium® (DLC) 5.1 Premium qualification is pending.

Performance Information

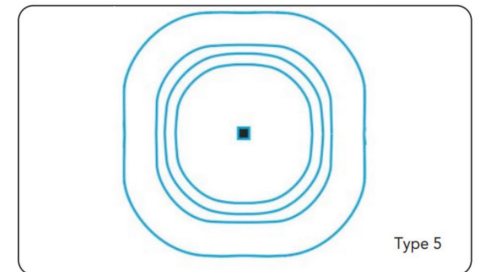
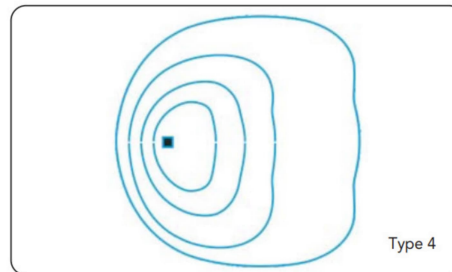
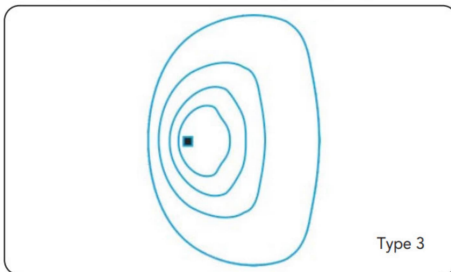
				4000K		5000K	
Series Number	Power	Wattage	Dist. Type	Lumens	LPW	Lumens	LPW
ALW G2 LS210	40%	40 W	3	6,480 Lm	162 Lm/W	6,370 Lm	159 Lm/W
			4	6,480 Lm	162 Lm/W	6,370 Lm	159 Lm/W
			5	6,560 Lm	164 Lm/W	6,450 Lm	161 Lm/W
	60%	70 W	3	10,850 Lm	155 Lm/W	10,670 Lm	152 Lm/W
			4	10,850 Lm	155 Lm/W	10,670 Lm	152 Lm/W
			5	11,000 Lm	157 Lm/W	10,800 Lm	154 Lm/W
	80%	100 W	3	14,800 Lm	148 Lm/W	14,540 Lm	145 Lm/W
			4	14,800 Lm	148 Lm/W	14,540 Lm	145 Lm/W
			5	15,300 Lm	153 Lm/W	15,000 Lm	150 Lm/W
	100%	150 W	3	21,600 Lm	144 Lm/W	21,200 Lm	141 Lm/W
			4	21,600 Lm	144 Lm/W	21,200 Lm	141 Lm/W
			5	22,650 Lm	151 Lm/W	22,200 Lm	148 Lm/W
	40%	150 W	3	24,000 Lm	160 Lm/W	23,600 Lm	157 Lm/W
			4	24,000 Lm	160 Lm/W	23,600 Lm	157 Lm/W
			5	24,450 Lm	163 Lm/W	23,940 Lm	160 Lm/W
ALW G2 LS430	60%	200 W	3	30,400 Lm	152 Lm/W	29,800 Lm	149 Lm/W
			4	30,400 Lm	152 Lm/W	29,800 Lm	149 Lm/W
			5	30,800 Lm	154 Lm/W	30,250 Lm	151 Lm/W
	80%	240 W	3	35,040 Lm	146 Lm/W	34,350 Lm	143 Lm/W
			4	35,040 Lm	146 Lm/W	34,350 Lm	143 Lm/W
			5	36,240 Lm	151 Lm/W	35,500 Lm	148 Lm/W
	100%	300 W	3	46,000 Lm	153 Lm/W	45,000 Lm	150 Lm/W
			4	46,000 Lm	153 Lm/W	45,000 Lm	150 Lm/W
			5	46,000 Lm	153 Lm/W	45,000 Lm	150 Lm/W

BUG Rating

Model / Setting	B	U	G
ALW LS210 T3 G2 FSK @ 21000Lm & 50K	3	0	3
ALW LS210 T3 G2 FSK @ 21000Lm & 40K	3	0	3
ALW LS210 T4 G2 FSK @ 21000Lm & 50K	3	0	3
ALW LS210 T4 G2 FSK @ 21000Lm & 40K	3	0	3
ALW LS210 T5 G2 FSK @ 21000Lm & 50K	4	0	2
ALW LS210 T5 G2 FSK @ 21000Lm & 40K	4	0	2
ALW LS210 WFL G2 FSK @ 21000Lm & 50K	3	0	3
ALW LS210 WFL G2 FSK @ 21000Lm & 40K	3	0	3

Model / Setting	B	U	G
ALW LS430 T3 G2 FSK @ 43000Lm & 50K	3	0	4
ALW LS430 T3 G2 FSK @ 43000Lm & 40K	3	0	5
ALW LS430 T3 G2 HVU FSK @ 43000Lm & 50K	3	0	4
ALW LS430 T3 G2 HVU FSK @ 43000Lm & 40K	3	0	5
ALW LS430 T4 G2 FSK @ 43000Lm & 50K	3	0	5
ALW LS430 T4 G2 FSK @ 43000Lm & 40K	3	0	5
ALW LS430 T4 G2 HVU FSK @ 43000Lm & 50K	3	0	5
ALW LS430 T4 G2 HVU FSK @ 43000Lm & 40K	3	0	5
ALW LS430 T5 G2 FSK @ 43000Lm & 50K	5	0	4
ALW LS430 T5 G2 FSK @ 43000Lm & 40K	5	0	4
ALW LS430 T5 G2 HVU FSK @ 43000Lm & 50K	5	0	4
ALW LS430 T5 G2 HVU FSK @ 43000Lm & 40K	5	0	4

Photometrics



Mounting & Options



AL-SPAR
(Optional Photocell)



AL-WMB
(Optional Photocell)



AL-SFD
(Optional Photocell)



ALW-EGS



AL-T



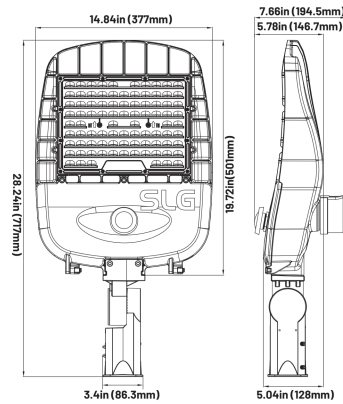
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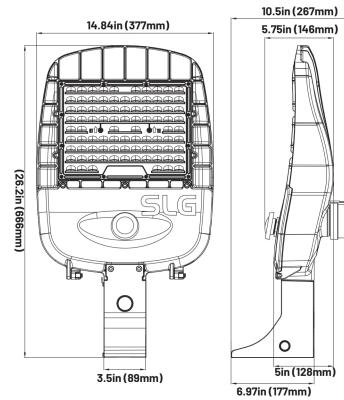
PC-2

Dimensions

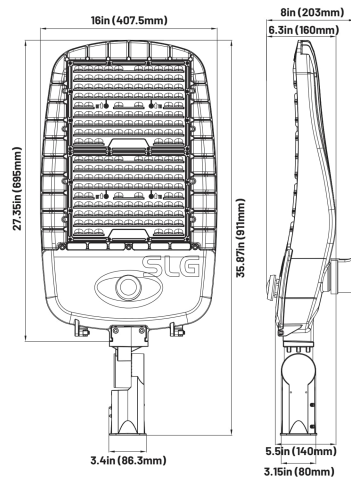
MEDIUM
Slipfitter Mount
WEIGHT: 12.19 LB



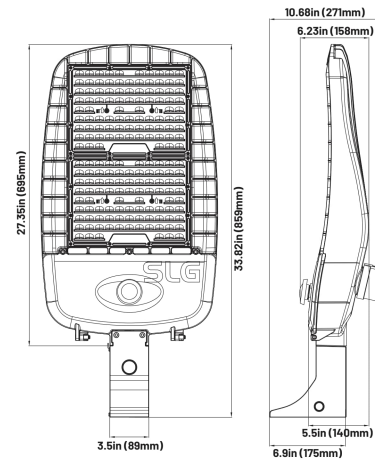
MEDIUM
Pole Mount
WEIGHT: 12.19 LB



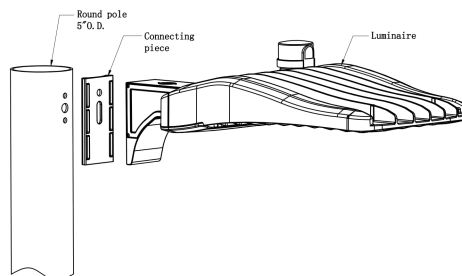
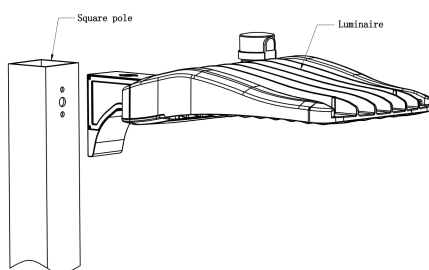
LARGE
Slipfitter Mount
WEIGHT: 20.26 LB



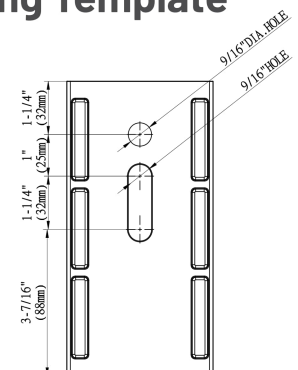
LARGE
Pole Mount
WEIGHT: 20.26 LB



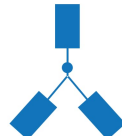
Mounting Dimensions



Drilling Template



EPA Area of Light

								
	70W 100W 150W 200W	0.6299	1.232	1.493	1.259	1.861	2.095	1.861
	240W 300W	0.8062	1.458	1.842	1.612	2.264	2.494	2.264

Electrical Load

			Current (A)							Current (A)		
	Power Setting	Wattage	120V	208V	240V	277V		Wattage	347V	480V		
ALW G2 LS210 FSK	Low	40 W	0.33	0.19	0.17	0.14	ALW G2 LS210 HVU FSK	40 W	0.12	0.08		
	Med	70 W	0.58	0.34	0.29	0.25		70 W	0.20	0.15		
	High	100 W	0.83	0.48	0.42	0.36		100 W	0.29	0.21		
	Max	150 W	1.25	0.72	0.63	0.54		150 W	0.43	0.31		
ALW G2 LS430 FSK	Low	150 W	1.25	0.72	0.63	0.54	ALW G2 LS430 HVU FSK	150 W	0.43	0.31		
	Med	200 W	1.67	0.96	0.83	0.72		200 W	0.58	0.42		
	High	240 W	2	1.15	1	0.87		240 W	0.69	0.5		
	Max	300 W	2.5	1.44	1.25	1.08		300 W	0.86	0.63		

Lumen Ambient Temperature (LAT) Multipliers

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.98

Projected Luminaire Maintenance

Ambient Temperature	OPERATING HOURS				Calculated L70 (Hours)
	0	25,000	50,000	100,000	
25°C / 77°F	1	0.95	0.91	0.81	>214,973

Shipping Information



Product Number	Individual Box Size	Individual Box Weight	# Per Carton	# per pallet
ALW LS210 G2 FSK	28.1" x 16.5" x 6.9"	12.19 LBS	1	
ALW LS430 G2 FSK	35.2" x 17.9" x 6.9"	20.26 LBS	1	

Site Plan and Traffic Advisory Review Committee

1. 5.

Meeting Date: 10/13/2026

Title

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*****SITE PLAN AND TRAFFIC ADVISORY COMMITTEE REVIEW ONLY. Range Street
re-addressing.**

For information purposes only.

Attachments

Readdressing plan

