



**Village of Kimberly
Request for
Planning Commission Recommendation**

ITEM DESCRIPTION: Village of Kimberly Street/Parks Facility Site Review
REPORT PREPARED BY: Greg Ulman
REPORT DATE: 1/16/24
<p>EXPLANATION: On February 13th, 2022, the Village of Kimberly in conjunction with SEH conducted a facilities analysis to determine the need for a new street/parks facility. It was determined during this analysis that the Village facility was outdated, lacking current safety standards, and inadequate storage needs for equipment. It was determined that the current street/parks facility be torn down and a new building be erected on the same lot. On October 13th, 2022, the Village of Kimberly sent out requests for proposals to various engineering/architecture firms to help with the design of a new streets/parks facility. SEH was awarded the contract in designing a new facility. Throughout the past year the Village and SEH has been following all local and state codes in all aspects of the design a few high-level highlights are:</p> <ul style="list-style-type: none">• The new building has a 10-foot setback off the property lines.• Exterior light fixtures photometrics don't spill onto the adjacent properties.• The Village Board directive of reduced landscape has pleased Metro Police with greater line of sight around the building, increasing safety for adjacent properties.• Stormwater will go directly to an offsite stormwater pond. <p>The plan for the Village and SEH is to send the plans out to bid in mid-February and open the bids in mid-March. The Village Board has been instrumental in this process with recommendations and feedback, they will ultimately approve or deny the bids once received.</p>
RECOMMENDED ACTION: Approve current plans provided by SEH.
ATTACHMENTS: Plans provided by SEH



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MEMORANDUM

TO: Maggie Mahoney- Administrator
Greg Ulman- Operations Manager

FROM: Trevor M. Frank, AIA

DATE: January 2, 2024

RE: Site Plan Review Narrative
SEH No. 171196

This memo is in response to the request to provide a written narrative to the requirements for site plan review by the Village of Kimberly.

Site Plan Review Narrative

The existing use of the property as it operates today is the current location of the village of Kimberly's Street and Parks Department offices, municipal yard and general shop location.

The proposed use of site will be the same village function operating in a consistent manner to the current operations on the site.

Effects on adjoining properties will not change. There will be the appropriate setbacks from the adjoining properties as required by village code. These areas will also include fencing and landscaping so as to conceal the operations from sight by adjoining properties.

The hours of operation will not change. These Hours are typically 7:00 AM to 3:30 PM as core hours. These hours fluctuate depending on the time of year and the types of response events village staff need to respond to. (ie. Severe weather events, snow events, etc.)

The operations typically do not contribute to excessive noise, odors or fumes. The operation is relatively self-contained to the site and is typically not considered an intrusive operation to the neighboring residents.

The compatibility of the use with adjacent properties in the area will not change with the expansion of the operation. Since there are currently no compatibility issues that have been expressed by the neighboring properties it can be assumed the new operation will not create any compatibility issues going forward.

Traffic generation will not increase or decrease with the proposed use. Staff vehicle numbers will not fluctuate greatly except at seasonal times of the year. There are an adequate number of parking stalls to accommodate all staff on site.

Traffic Generated by street department response vehicles (Snow plows, street sweepers, maintenance vehicles, mowers etc.) will not increase. Access to the site and internal site traffic patterns will not change greatly other than travel distance into the vehicle storage building will be decreased from the entrance off James Street. The primary ingress location will be from James Street from an East to West direction. Egress from the site will be from the north onto Maes Avenue.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 425 West Water Street, Suite 300, Appleton, WI 54911-6058

920.380.2800 | 888.413.4214 | 888.908.8166 fax | sehinc.com

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Value engineering and its impact on the site development:

As a means of cutting the overall project cost, the consultant team was asked to determine options for value engineering out some of the construction cost. The following items were eliminated from the site plan and will have an impact on the overall functionality and aesthetic of the building.

The proposed Plaza pavement and site amenities (flag pole, benches, drinking fountain, bike repair station) were eliminated from the landscape architecture plans.

All of the Proposed landscaping including concrete bed edging, mulched beds, and landscape plant material was eliminated from the landscape architecture plans. The entire landscaped areas of the site will receive manicured lawn. The landscape plans accompanying this submittal reflect the revised landscape and planting plans.

It is the intent of the Village to add the landscape plant materials and amenities at a later date. The original landscape plans were preserved and will be submitted to the village for use in their future landscape development and installation by village staff.

Concrete pavement in areas adjacent to overhead doors was reduced in size and replaced with asphalt.

The omitted concrete pavement areas will be installed at a later date likely upon failure of the asphalt pavement in front of the overhead doors.

No other aesthetic impacts were made to the facility for the design of the building that would be noteworthy for the site plan review process.



VILLAGE OF KIMBERLY
Site Review Application

Submit to:
Planning & Zoning
515 W. Kimberly Ave.
Kimberly WI 54136
920-788-7500

Applicant Information

Petitioner: _Trevor M. Frank Date:1/16/23
Petitioner Address: 425 W. Water Street City: Appleton State: WI Zip: 54911
Telephone #: (920)380-2800 Fax: () email: tfrank@sehinc.com
Status of Petitioner (please check one): ___ Owner _X_ Representative ___ Tenant ___ Prospective Buyer

Handwritten signature of Trevor M. Frank

Petitioner's Signature (required):

Owner Information

Owner(s): Village of Kimberly Date: 10/22/23
Owner(s) Address: 515 W. Kimberly Avenue City: Kimberly State: WI Zip: 54136
Telephone #: (920)_788-7500 Fax: () email: mmahoney@vokimberlywi.gov
Ownership Status (please check one): _X_ Municipality ___ Trust ___ Partnership ___ Corporation

Property Owner Consent (required):

By signature hereon, I/We acknowledge that Village officials and/or employees may, in the performance of their functions and duties, enter upon the property to inspect or gather other information necessary to process this application. I also understand that all meeting dates are tentative and may be postponed by the Village for incomplete submissions or other administrative reasons.

Property Owner's Signature: Date:

Site Information

Address/Location of Proposed Project: 426 W. Kimberly Avenue Zoning: I2

Proposed Project or Use: Street and Parks Department Office and Shop Facility

Current or last Use of Property: Street and Parks Department Office and Shop Facility

Land Uses Surrounding this Address: North: Residential (R3)
South: Commercial (B1)
East: Residential (R3) and Commercial (B1)
West: Commercial (B1)

- It is recommended that the applicant meet with Village Department staff prior to submittal to review the project and submitted materials.
Application Fees must be submitted with the application.

Submittal Requirements – Must accompany the application to be complete.

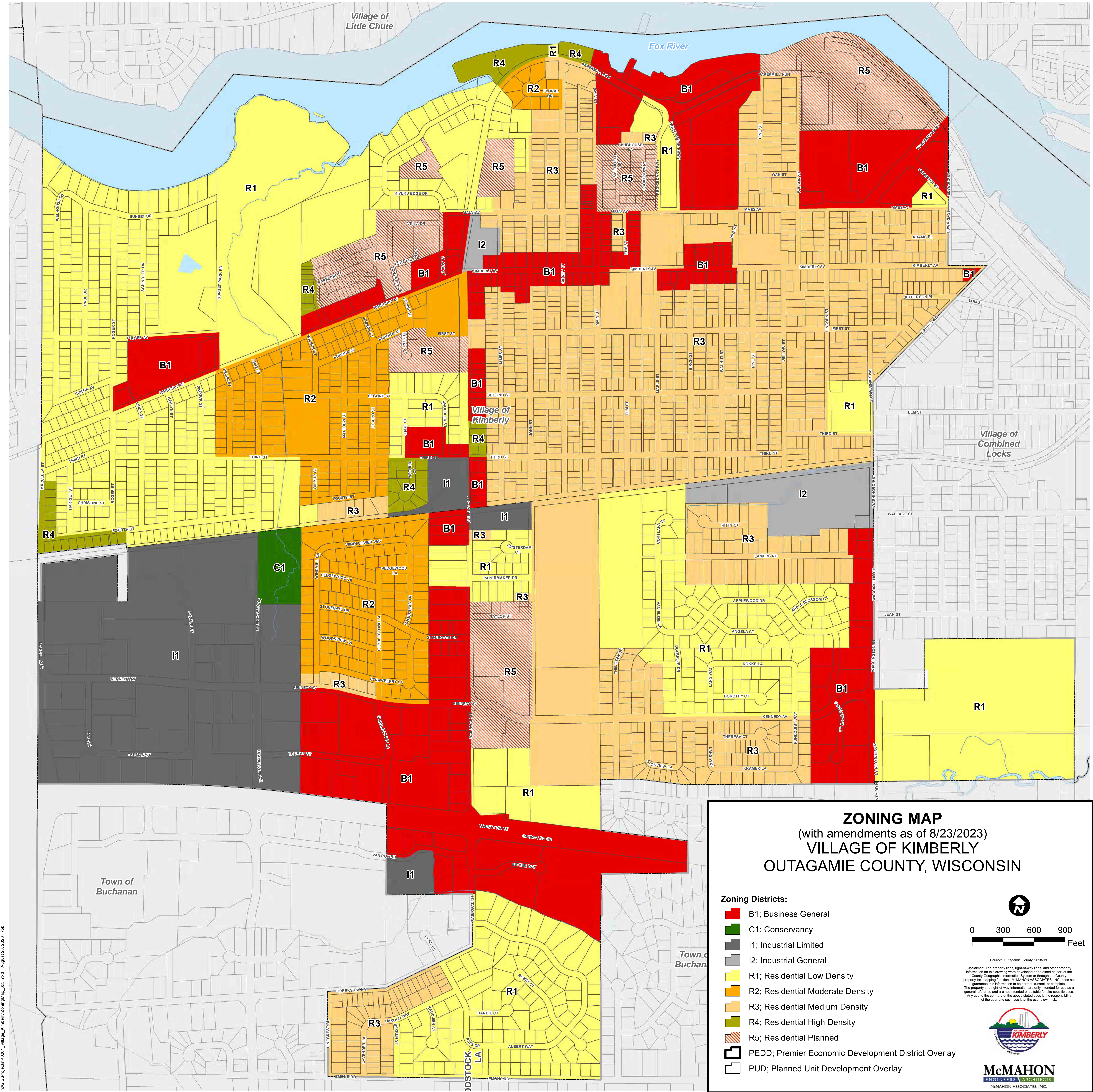
- A narrative of the proposed building or addition including:
 - Proposed use of the property
 - Existing use of the property
 - Effects on adjoining properties to include: noise, hours of operation, glare, odor, fumes, vibration, etc.
 - Compatibility of the proposed use with adjacent and other properties in the area.
 - Traffic generation
 - Any other information pertinent to adequate understanding of the intended use and its relation to nearby properties
- Complete site plans including:
 - Two (2) legible scaled and dimensioned drawings/prints of site plan and building elevations (when applicable.)
 - Two (2) 8 ½" x 11 (minimum) to 11" x 17" (maximum) reduction of the site plan and building elevations (when applicable.)
 - All existing and proposed buildings, structures, and paved areas, including building entrances, walks, drives, decks, patios, fences, walls.
 - Location of all outdoor storage and refuse disposal areas and the design and materials used for construction
 - Location and dimension of all on-site parking (and off-site parking provisions if they are to be employed
 - Location, height, design, illumination power and orientation of all exterior lighting on the property including a photometrics plan.
 - Location of all exterior mechanical equipment and utilities and elevations of proposed screening devices where applicable (i.e. visible from a public street or residential use or district). Mechanical equipment includes, but is not limited to; HVAC equipment, electrical transformers and boxes, exhaust flues, plumbing vents, gas regulators, generators.

Site Plan Review Checklist

Project:

Category	Item	Plan Element, Information	Location, Plan, Sheets(PS) or Map	Comments
Civil Plans	1	Name of project/development;	Plan Sheets	
	2	Location of project/development by street address, or CSM	Plan Sheets G001	
	3	Name and mailing address of developer/owner;	Plan Sheets G001	
	4	Name and mailing address of engineer/architect;	Application & Plan Sheets G001	
	5	North point indicator;	Plan Sheets	
	6	Scale;	Plan Sheets	
	7	Boundary lines of property, with dimensions;	Plan Sheets C 200	
	8	Location identification, and dimensions of existing and proposed:	Dimension existing?	
		a. Topographic contours at a minimum interval of two feet, and key spot elevations;	Plan Sheets C 300	
		b. Adjacent streets and street right of ways, respective to the elevation of building first floor;	Plan Sheets C200	
		c. On site streets and street right of ways, and fire lanes;	N/A	
		d. Utilities and any easements.	Plan Sheets C 400	
		e. All buildings and structures, existing & proposed to consider maximum development of the parcel if more than one structure could be located on the parcel;	Plan Sheet C 200	
		f. Public Utilities: The location of sanitary and storm sewer lines and water mains;	Plan Sheet C 400	
		g. Description of proposed system for drainage and a storm water plan showing existing and final grades.	Plan Sheet C 300	
	h. Water bodies and wetlands;	N/A		
	i. All buildings and structures, existing & proposed to consider maximum development of the parcel if more than one structure could be located on the parcel;	Plan Sheet C 100, C 200		
	j. Parking facilities;	Plan Sheet C 200		

		k. Sidewalks, walkways, and driveways;	Plan Sheet C 200	
Civil Plans		l. Off street loading areas and docks;	Plan Sheet C 301	
		m. Fences and retaining walls;	Plan Sheet C 500	
		n. All signs;	On Building See Ext Rendering	
		o. Exterior refuse collection areas and the required enclosure(s);	Plan Sheet A 501	
		p. Exterior lighting;	Photometric Plan Sheet 1 of 1	
		q. Traffic flow on and off site.	Plan Sheet C 200	
		r. Location of open space/green space;	Plan Sheet C 200	
		s. Location and dimensions of proposed outdoor display areas;	N/A	
		t. Proposed circulation systems (pedestrian, bicycle, auto) by type, their connection to the existing network	N/A	
		u. The location of recreational and open space areas;	N/A	
		v. Site statistics, including:		
		i. Sq. Footage	Plan Sheet C 200	104,824 s.f.
		ii. Percent site coverage;	Plan Sheet C 200	89.40%
		iii. Percent open space; and green space	Plan Sheet C 200	10.60%
		9	Erosion control plans;	Plan Sheet C 300
	10	Landscaping plan	Plan Sheet L 101 L 102	
Architectural Plans		Architectural Plans of the proposed structures and buildings, including:		
	11	a. Elevation and Floor Plans;	Plan Sheets A101, A102, A201	
		b. All dimensions;	Plan Sheets A101, A102, A201	
		c. Gross square footage of existing and proposed buildings and structures; and	Plan Sheets G010	
		d. Description of all exterior finish materials.	Plan Sheet A 201 and annotated material sheet	

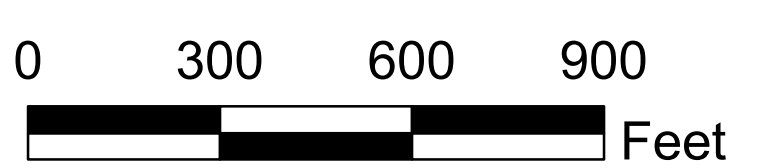


ZONING MAP

(with amendments as of 8/23/2023)
VILLAGE OF KIMBERLY
OUTAGAMIE COUNTY, WISCONSIN

Zoning Districts:

- B1; Business General
- C1; Conservancy
- I1; Industrial Limited
- I2; Industrial General
- R1; Residential Low Density
- R2; Residential Moderate Density
- R3; Residential Medium Density
- R4; Residential High Density
- R5; Residential Planned
- PEDD; Premier Economic Development District Overlay
- PUD; Planned Unit Development Overlay



Source: Outagamie County, 2018-19.
 Disclaimer: The property lines, right-of-way lines, and other property information on this drawing were developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. McMAHON ASSOCIATES, INC. does not guarantee this information to be correct, current, or complete. The property and right-of-way information are only intended for use as a general reference and are not intended or suitable for site-specific uses. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.



McMAHON
 ENGINEERS ARCHITECTS
 McMAHON ASSOCIATES, INC.



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Appleton, WI 54911-5754
(920) 731-3499
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Project Owner

Village of Kimberly
Kimberly Street and Parks Department Facility
426 W. Kimberly Avenue
Kimberly, WI 54136

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SEH Project KIMBV 171196
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Drawn By JWS

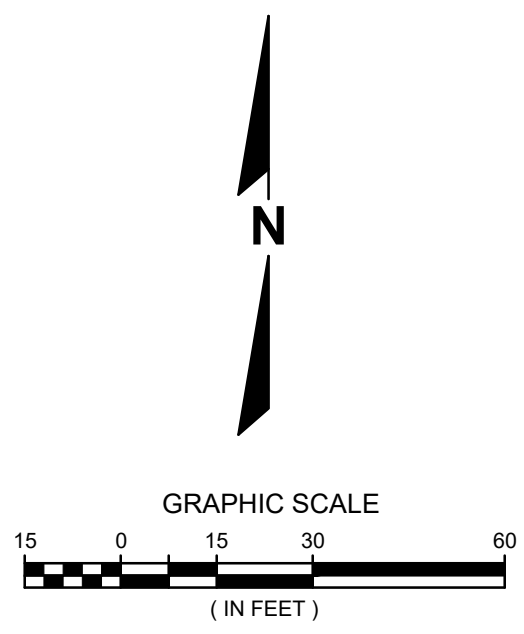
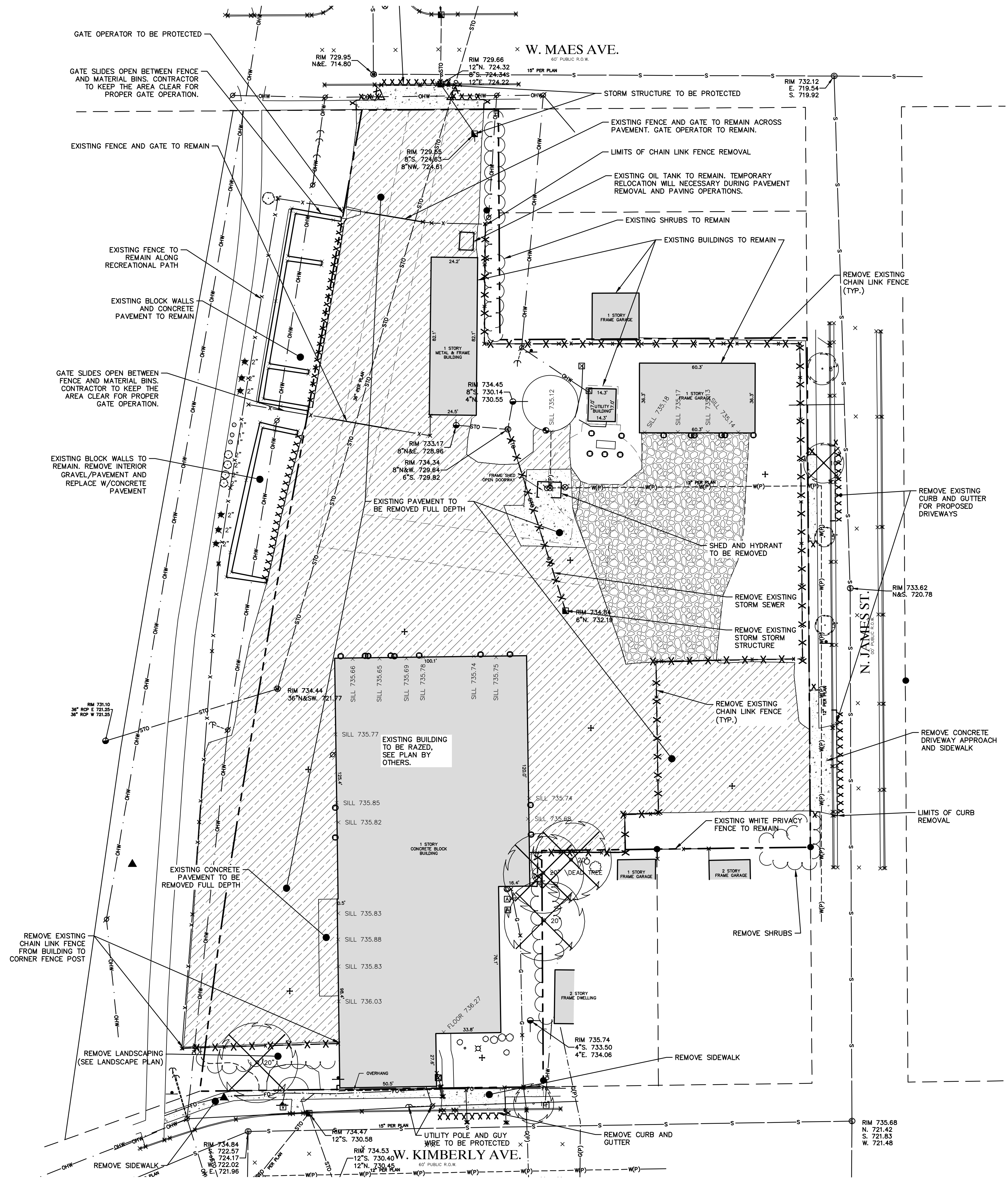
Project Status Issue Date

SITE PLAN REVIEW 12-18-2023

REVISION SCHEDULE
REV. # DESCRIPTION DATE

EXISTING CONDITIONS & DEMOLITION PLAN

C100



LEGEND

- TREE REMOVAL
- EXISTING CONCRETE PAVEMENT TO BE REMOVED
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- EXISTING PROPERTY LINE
- FULL DEPTH SAW CUT PAVEMENT



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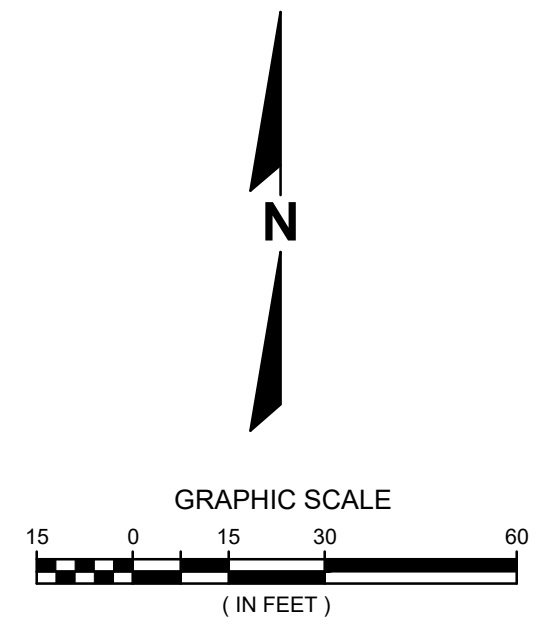
REVISION SCHEDULE
REV. # DESCRIPTION DATE

SITE PLAN

C200

NOTES:

1. SEE STRUCTURAL PLANS FOR LOCATIONS AND DETAILS OF BOLLARDS.
2. DIMENSIONS TO EDGE OF PAVEMENT.



SITE STATISTICS	
Square Footage	104,824 SF
Percent Site Coverage	89.40%
Percent Open/Green Space	10.60%

LEGEND	
	PROPOSED HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
	PROPOSED STONE MULCH
	PROPOSED TURF AREA
	INDICATES PROPOSED FENCE
	EXISTING PROPERTY LINE



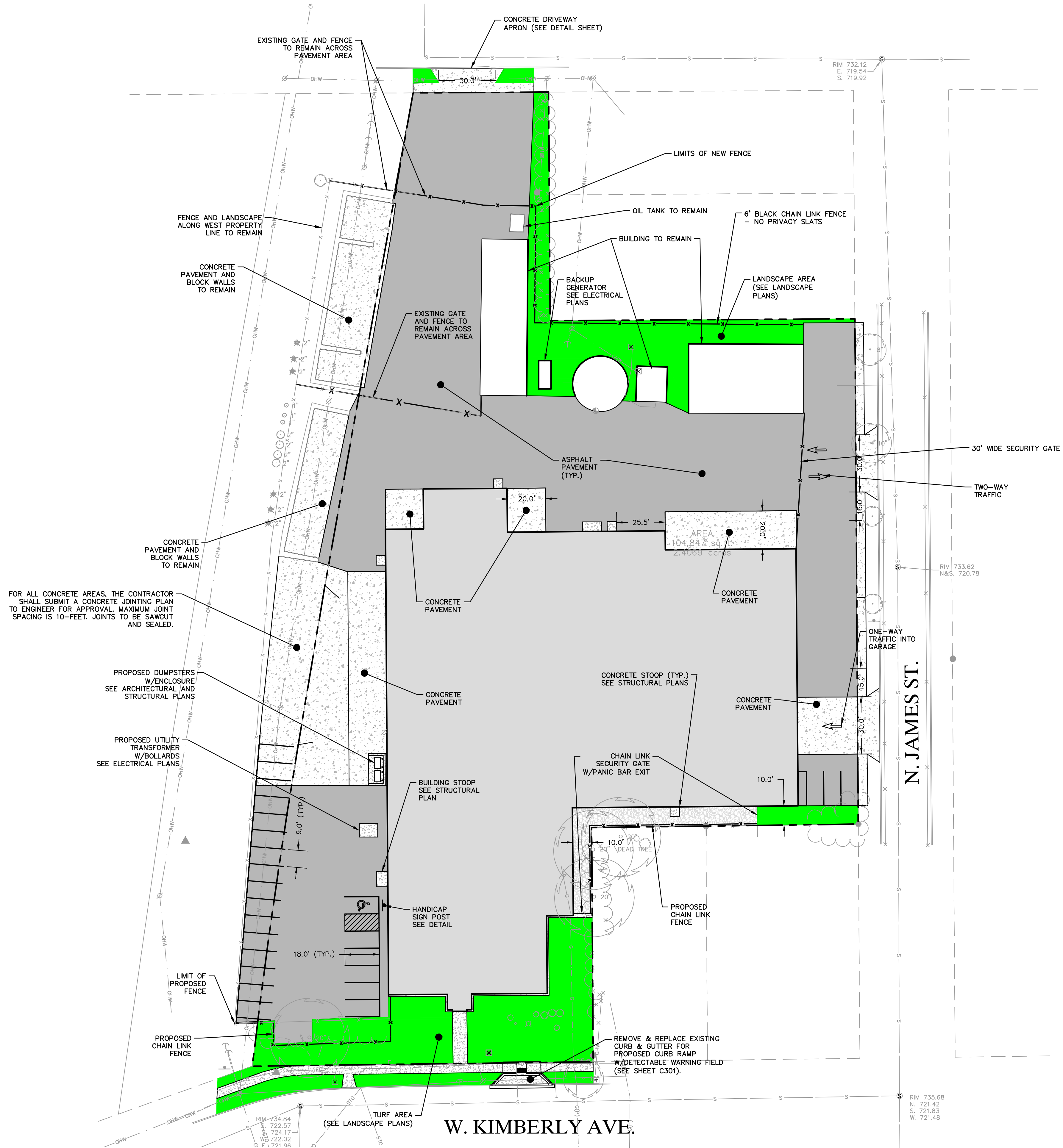
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FOR ALL CONCRETE AREAS, THE CONTRACTOR SHALL SUBMIT A CONCRETE JOINTING PLAN TO ENGINEER FOR APPROVAL. MAXIMUM JOINT SPACING IS 10- FEET. JOINTS TO BE SAWCUT AND SEALED.

PROPOSED DUMPSTERS W/ENCLOSURE SEE ARCHITECTURAL AND STRUCTURAL PLANS

PROPOSED UTILITY TRANSFORMER W/BOLLARDS SEE ELECTRICAL PLANS

LIMIT OF PROPOSED FENCE

PROPOSED CHAIN LINK FENCE

TURF AREA (SEE LANDSCAPE PLANS)

W. KIMBERLY AVE.

N. JAMES ST.



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SEH Project: KIMBV 171196
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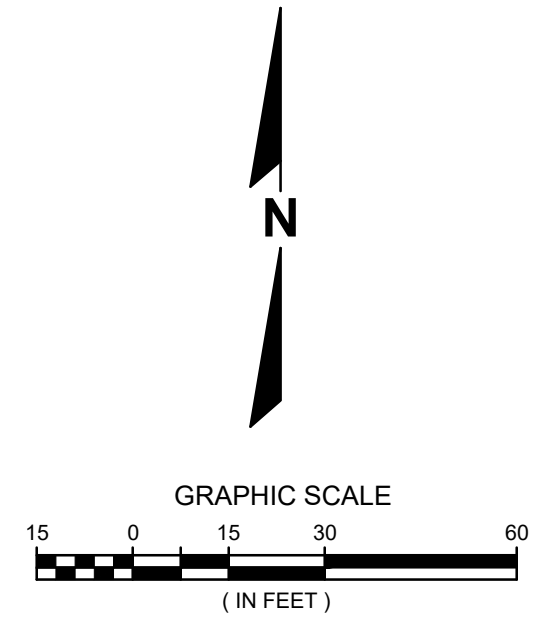
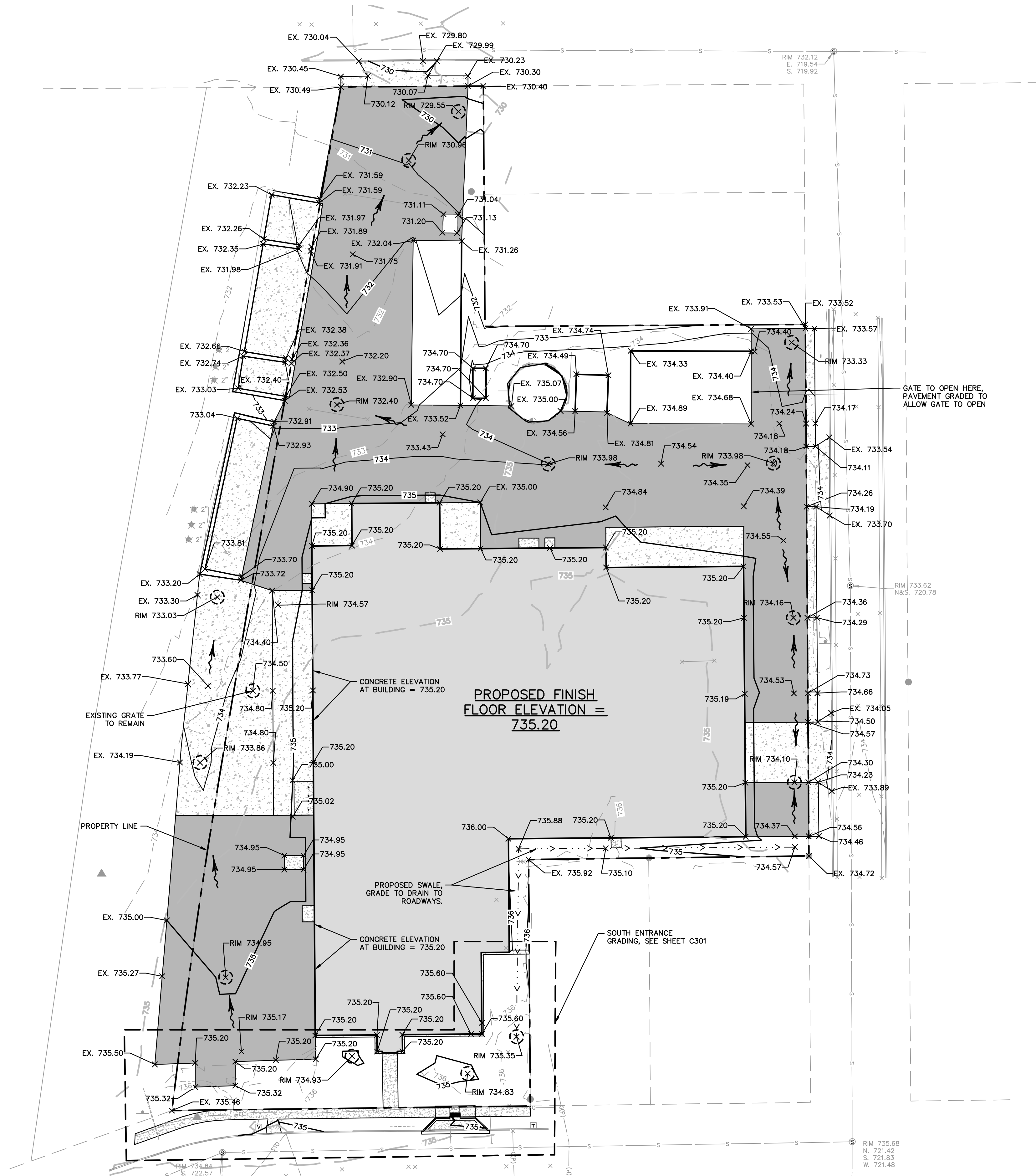
Project Status: Issue Date

SITE PLAN REVIEW 12-18-2023

REVISION SCHEDULE
REV. # DESCRIPTION DATE

GRADING & EROSION CONTROL PLAN

C300



LEGEND

- INDICATES EXISTING PROPERTY LINE
- ~ SURFACE WATER FLOW
- STORM DRAIN INLET PROTECTION (SEE DETAIL)
- 600 x 600.00 PROPOSED CONTOUR & SPOT GRADE
- 600 x 600.00 EXISTING CONTOUR & SPOT GRADE
- x EX. 600.00 EXISTING SPOT GRADE TO MATCH
- x 600.00 PROPOSED FINISHED PAVEMENT SPOT GRADE



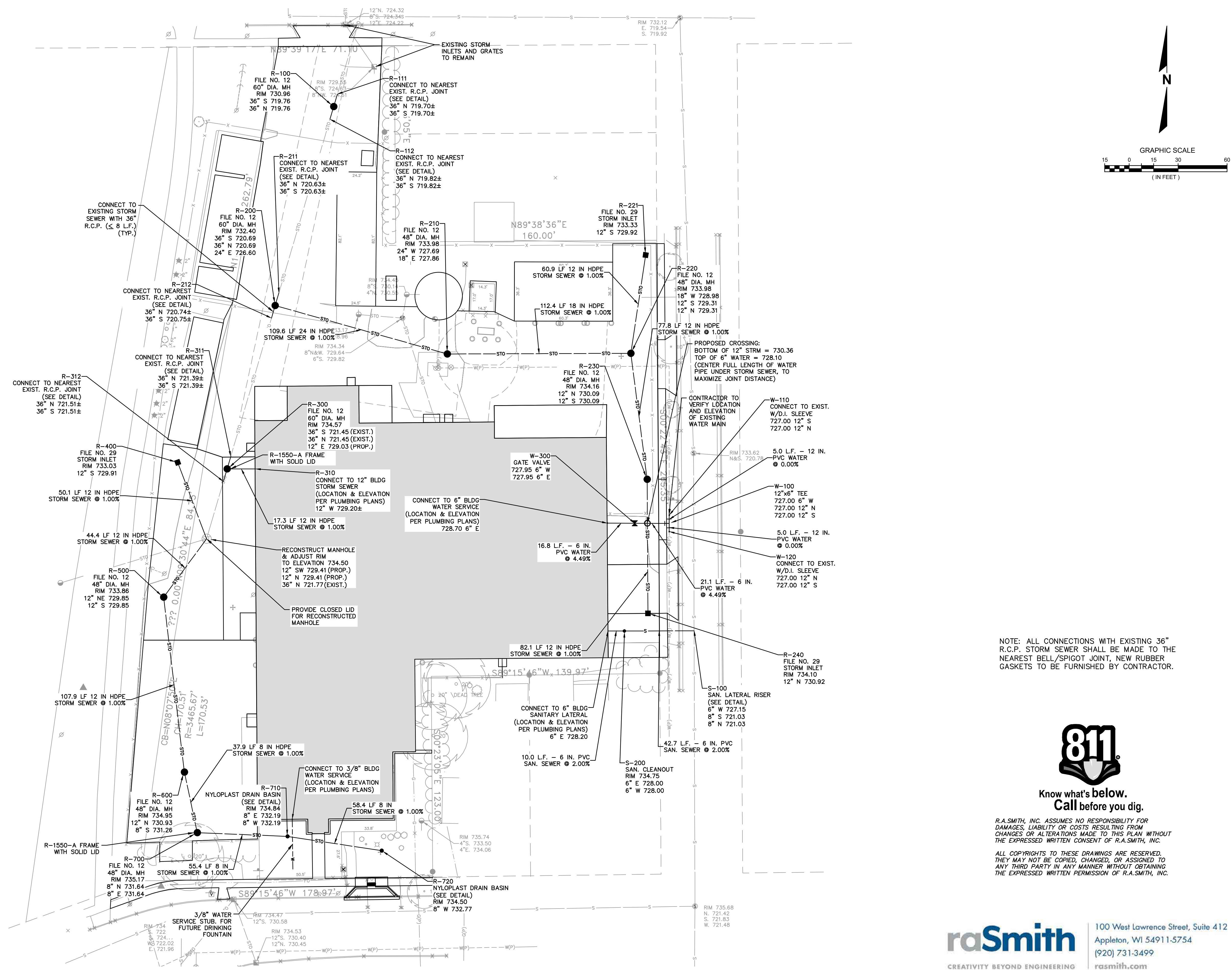
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NOTE: ALL CONNECTIONS WITH EXISTING 36" R.C.P. STORM SEWER SHALL BE MADE TO THE NEAREST BELL/SPIGOT JOINT, NEW RUBBER GASKETS TO BE FURNISHED BY CONTRACTOR.



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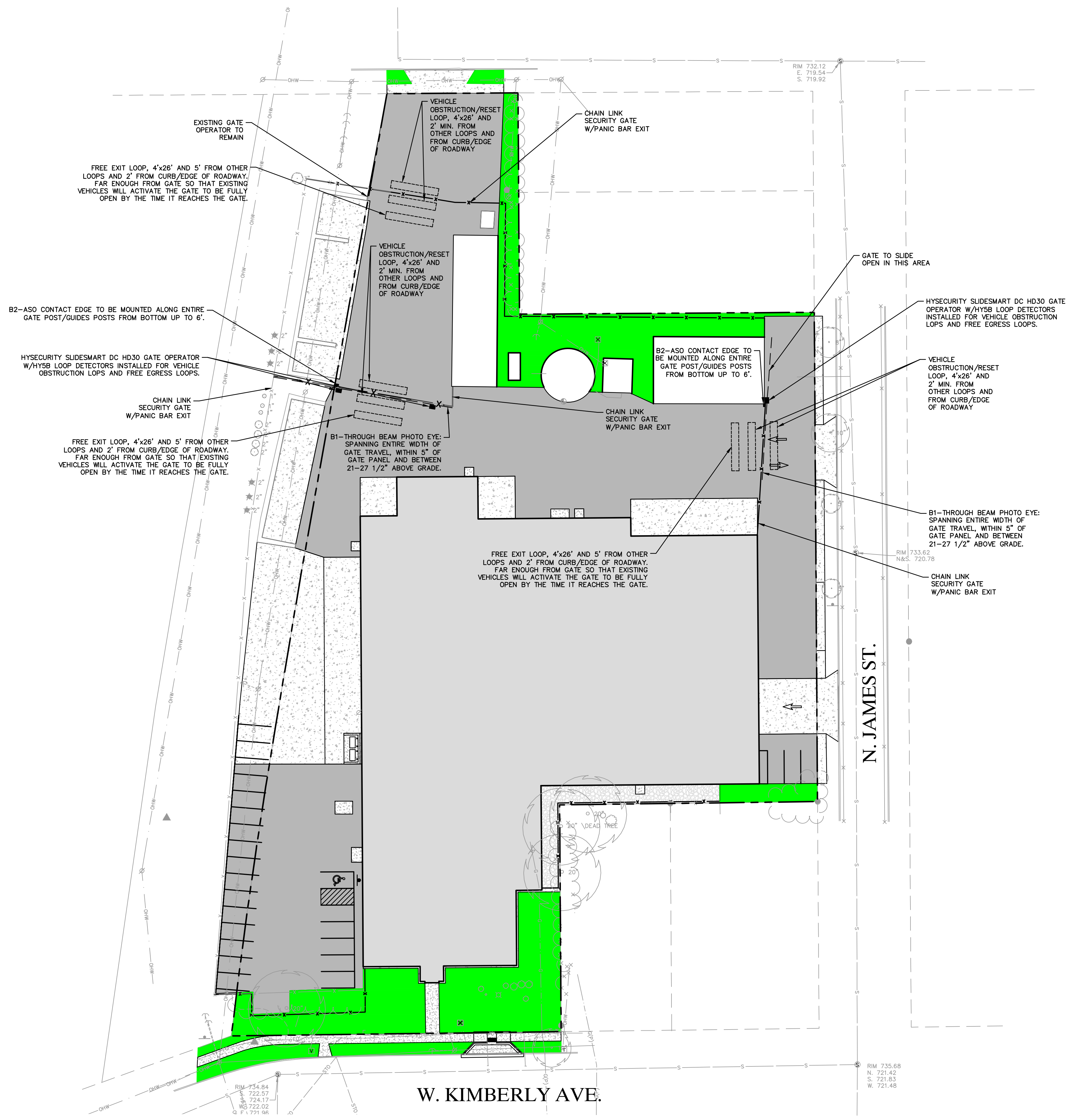
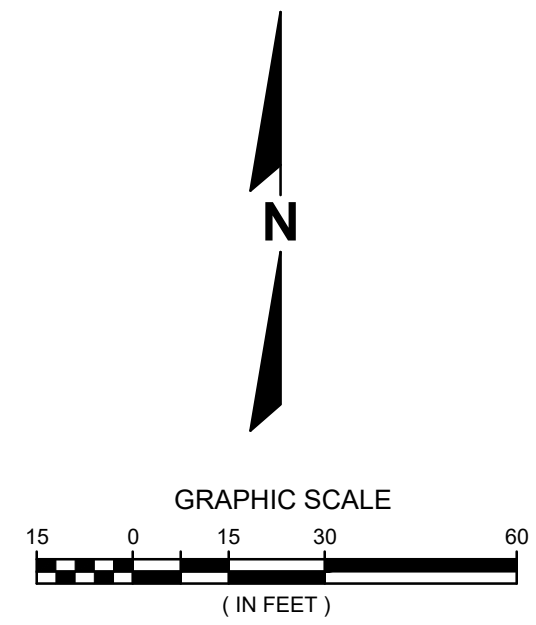
SITE PLAN REVIEW 12-18-2023

REVISION SCHEDULE

REV. # DESCRIPTION DATE

SECURITY GATE SITE PLAN

C500



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N. 721.42
S. 721.83
W. 721.48

RIM 734.84
S. 722.57
W. 724.17
F. 722.02
F. 721.88

RIM 732.12
E. 719.54
S. 719.92

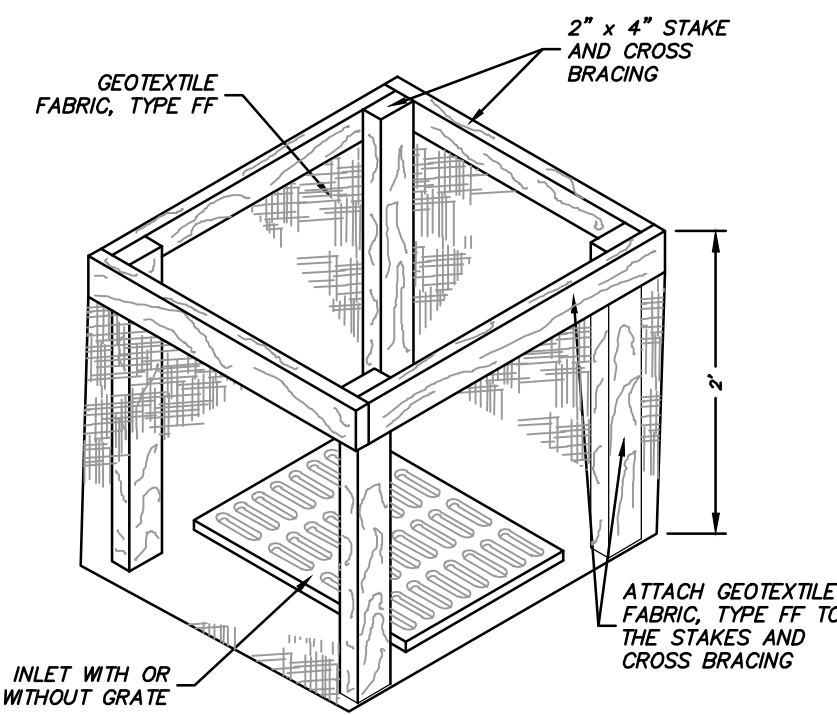
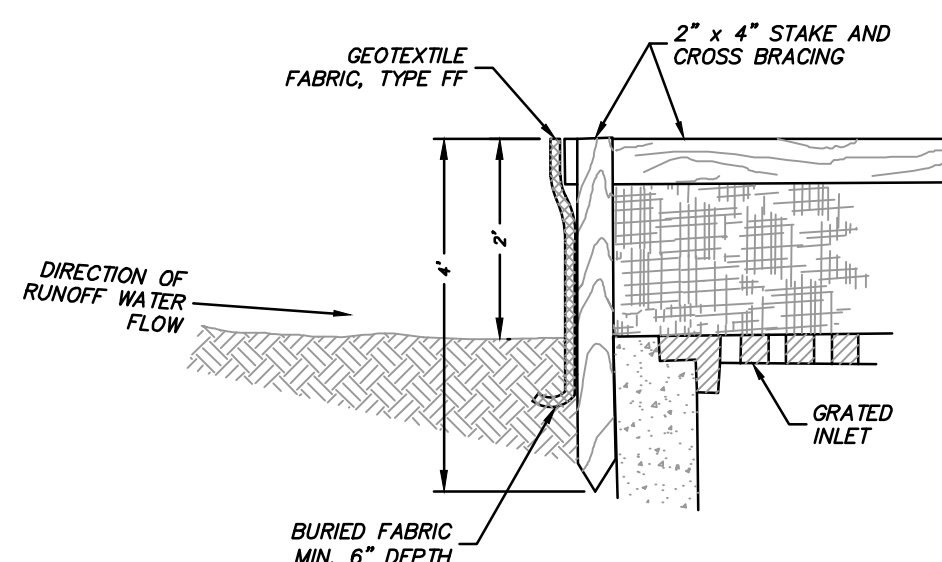
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N&S. 720.78

W. KIMBERLY AVE.

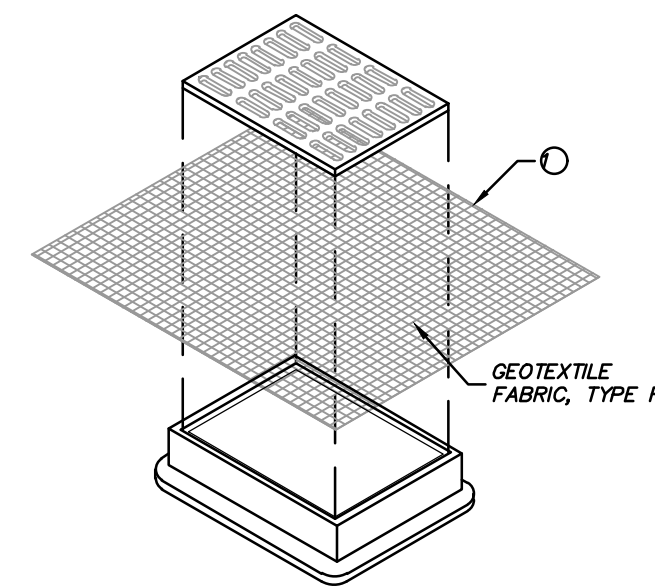
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EROSION CONTROL NOTES:

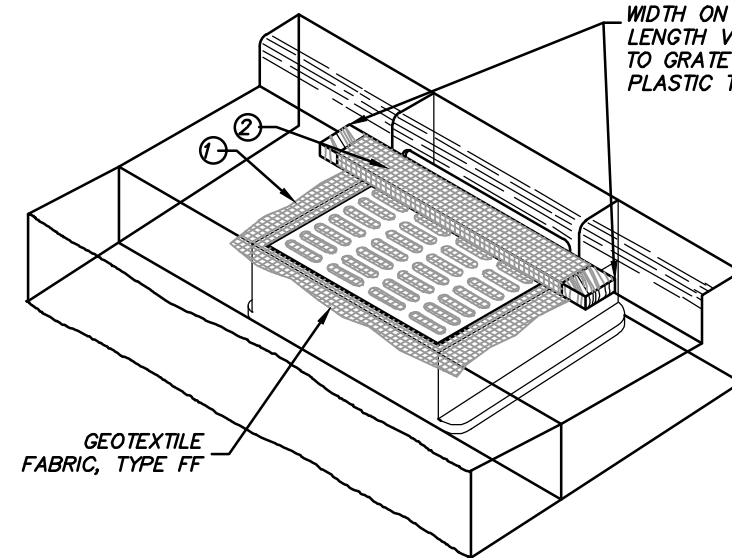
1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF ALL PERMITS. CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL PERMIT REQUIREMENTS AND RESTRICTIONS.
2. ALL INSTALLATION AND MAINTENANCE OF EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARD.
3. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND WARRANTY PERIOD IN CONFORMANCE WITH THE DNR WPDES GENERAL PERMIT.
4. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
5. ALL DISTURBED GROUND LEFT INACTIVE FOR FOURTEEN DAYS OR MORE SHALL BE STABILIZED WITH TOPSOIL, SEED, AND MULCH IN ACCORDANCE WITH THE WDNR TECHNICAL STANDARDS 1059 AND 1058.
6. TEMPORARY SEED MIXTURE SHALL CONFORM TO 630.2.1.5.1.4 OF THE WISDOT STANDARD SPECIFICATIONS. USE WINTER WHEAT OR RYE FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 1.
7. DISTURBED AREAS THAT CANNOT BE STABILIZED WITH A DENSE GROWTH OF VEGETATION BY SEEDING AND MULCHING DUE TO TEMPERATURE OR TIMING OF CONSTRUCTION, SHALL BE STABILIZED BY APPLYING ANIONIC POLYACRYLAMIDE (PAM) IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1050.
8. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT REACHES HALF THE HEIGHT OF THE FENCE. THE SILT FENCE SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
9. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE.
10. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. DEPENDING ON HOW THE CONTRACTOR GRADES THE SITE, IT MAY BE NECESSARY TO INSTALL TEMPORARY SEDIMENT TRAPS IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT. TEMPORARY SEDIMENT TRAPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1063.
11. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, BEFORE THE END OF EACH WORKING DAY.
12. DUST CONTROL SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1068.
13. FINAL STABILIZATION OF LANDSCAPED AREAS SHALL BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
14. ALL SEEDED AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE APPROVED LANDSCAPE PLAN TO MAINTAIN A WOOROUS DENSE VEGETATIVE COVER.



INLET PROTECTION TYPE A



INLET PROTECTION TYPE B
(WITHOUT CURB BOX)
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION TYPE C
(WITH CURB BOX)

- 1 FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- 2 FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- 3 FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4. THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.
- 4 SIDE FLAPS SHALL BE A MAXIMUM OF 2" LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.

GENERAL NOTES:

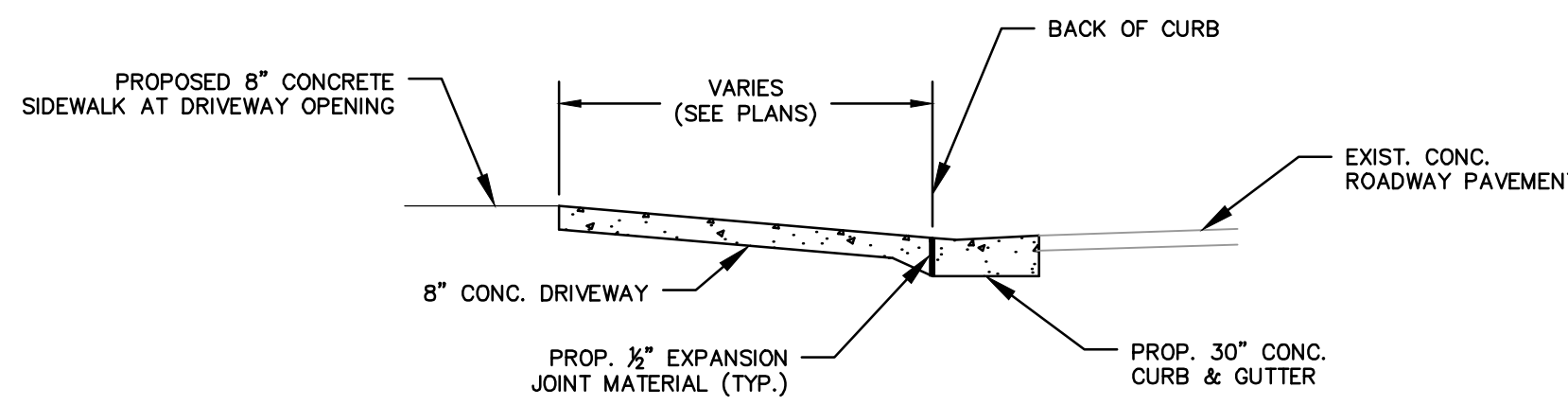
INLET PROTECTION DEVICES SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD 1060 AND BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
 MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WISDOT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED IF ALLOWED BY ENGINEER.
 TYPE A IS TO BE USED PRIOR TO PAVING AND INSTALLATION OF CURB AND GUTTER, AND TYPES B, C, AND D ARE TO BE USED AFTER PAVING IS PLACED.
 TYPE A SHALL BE USED AROUND INLETS AND UNPAVED AREAS UNTIL PERMANENT STABILIZATION METHODS HAVE BEEN ESTABLISHED.
 TYPE B SHALL BE USED AFTER THE CASTING AND GRATE ARE IN PLACE, ON INLETS WITHOUT A CURB BOX WHEN TYPE D INLET DEVICES CANNOT BE USED.
 TYPE C SHALL BE USED AFTER THE CASTING AND GRATE ARE IN PLACE, ON STREET INLETS WITH CURB HEADS.
 TYPE D SHALL BE USED IN AREAS WHERE OTHER TYPES OF INLET PROTECTION ARE INCOMPATIBLE WITH ROADWAY AND TRAFFIC CONDITIONS (I.E. POSSIBLE SAFETY HAZARD IF PONDING OCCURS), OR WHERE MORE EFFECTIVE INLET FILTERING IS NEEDED.
 TAPER BOTTOM OF BAG TO MAINTAIN 3" OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
 GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.

INSTALLATION NOTES:

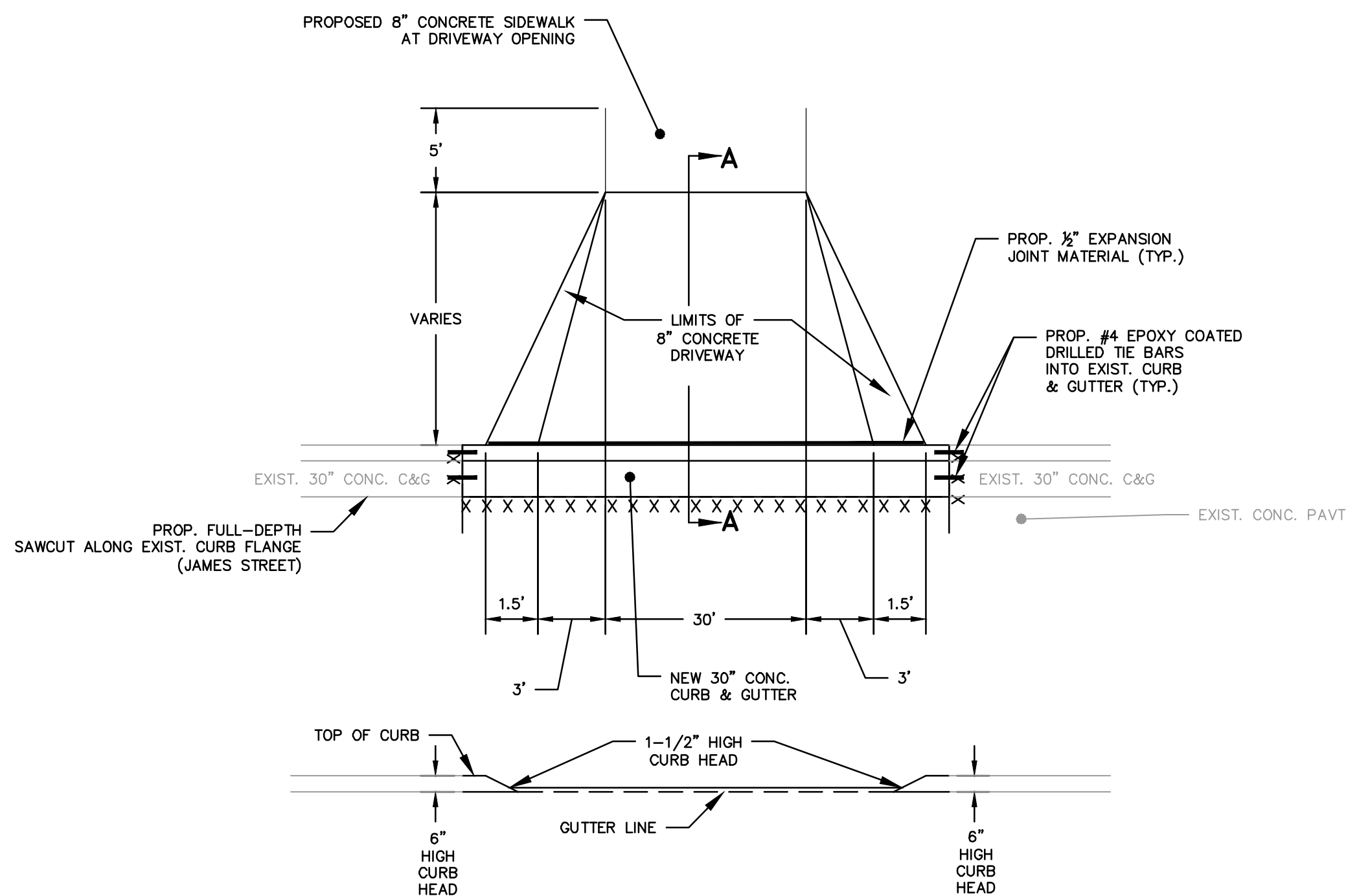
TYPE B & C:
 TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
 THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
 TYPE D:
 DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
 TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
 THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3" WHERE NECESSARY THE CONTRACTOR SHALL CATCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

MAINTENANCE:

REMOVE INLET PROTECTION DEVICES ONCE THE CONTRIBUTING DRAINAGE AREA IS STABILIZED WITH APPROPRIATE VEGETATION OR IMPERVIOUS SURFACE.
 INLET PROTECTION SHALL BE, AT A MINIMUM, INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 FOR TYPE A, B OR C INLET PROTECTION, SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/3 TO 1/2 THE DESIGN DEPTH OF THE DEVICE, OR WHEN THE DEVICE IS NO LONGER FUNCTIONING AS DESIGNED.
 FOR TYPE D INLET PROTECTION (INCLUDING D-M AND D-HR), REMOVE SEDIMENT WHEN SEDIMENT ACCUMULATES TO WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLES, OR WHEN STANDING WATER REMAINS WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLES 24 HOURS AFTER A RUNOFF EVENT. HOLES IN THE TYPE FF FABRIC MAY BE REPAIRED BY STITCHING IF LESS THAN 2" IN LENGTH, BUT THE FABRIC SHOULD BE REPLACED IF THE HOLES ARE GREATER THAN 2" IN LENGTH IN THE TYPE FF FABRIC OR IF THERE ARE ANY HOLES IN THE TYPE HR FABRIC. THE FILTER MUST ALSO BE REPLACED IF THE FLAP POCKETS SUSTAIN DAMAGE THAT COMPROMISES FILTER INTEGRITY OR THE ABILITY TO PERFORM MAINTENANCE.
 REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
 WHEN REMOVING OR MAINTAINING INLET PROTECTION, DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL INTO THE INLET AND IMPEDE THE INTENDED FUNCTION OF THE DEVICE. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

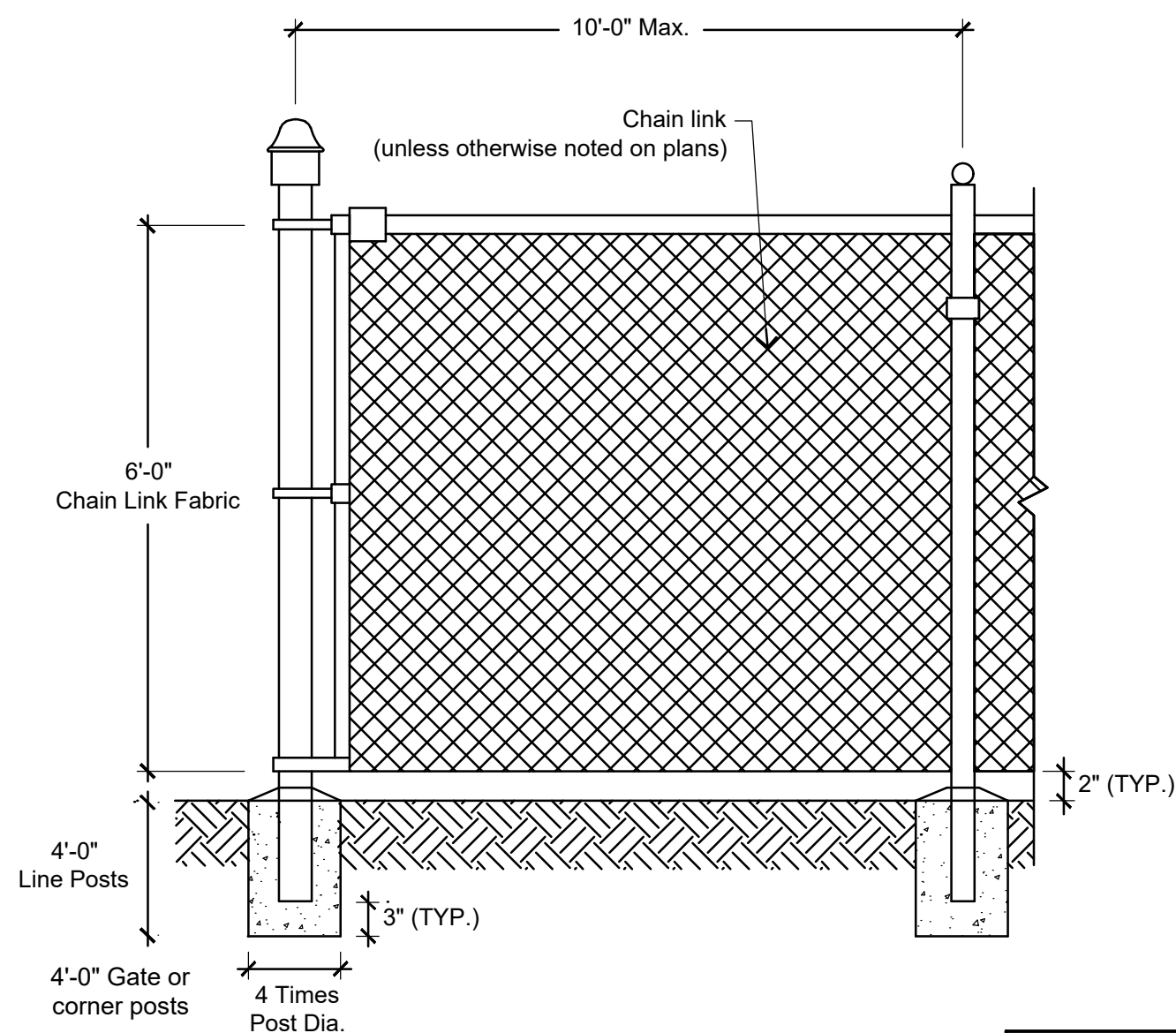


SECTION A-A



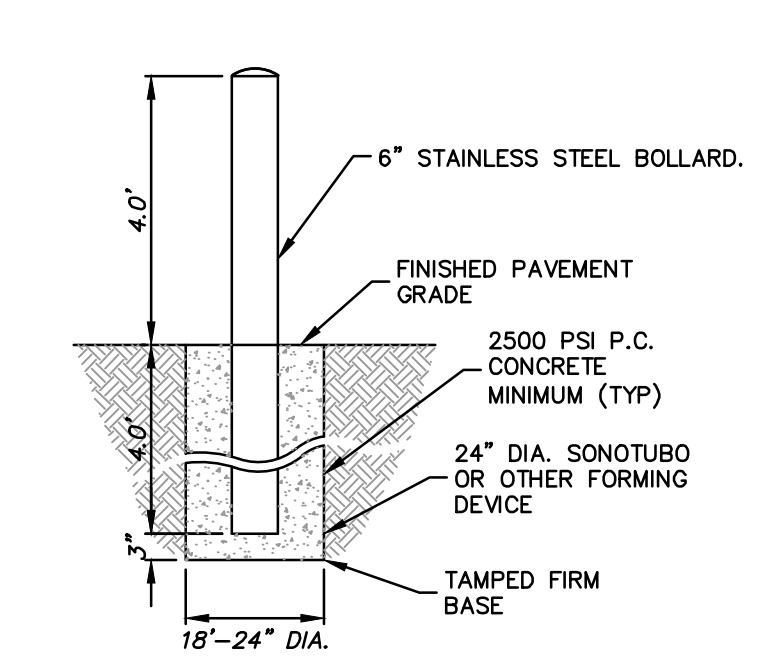
CONCRETE DRIVEWAY APRON DETAIL
N.T.S.

STORM DRAIN INLET PROTECTION DETAIL

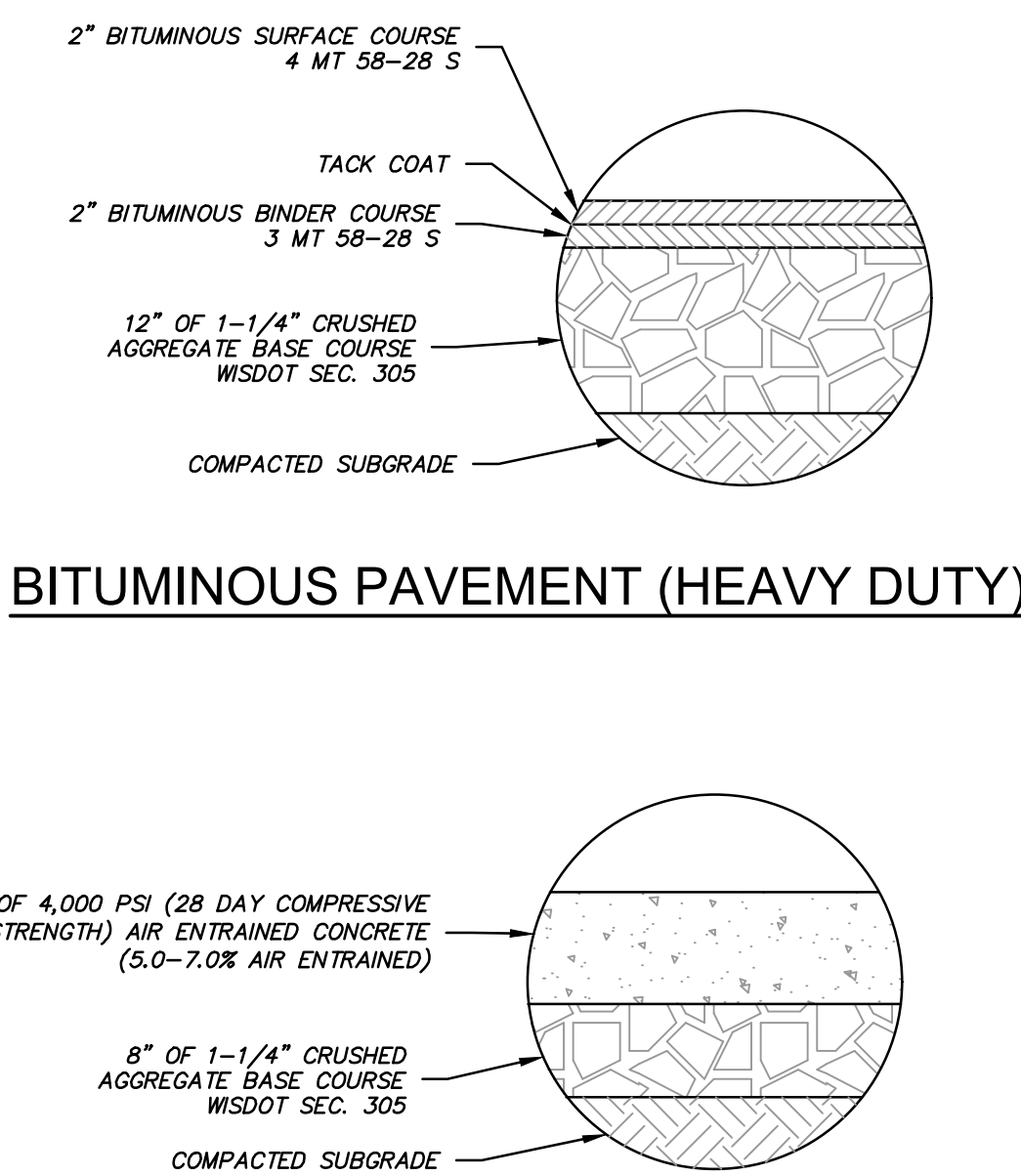


CHAIN LINK FENCE DETAIL
N.T.S.

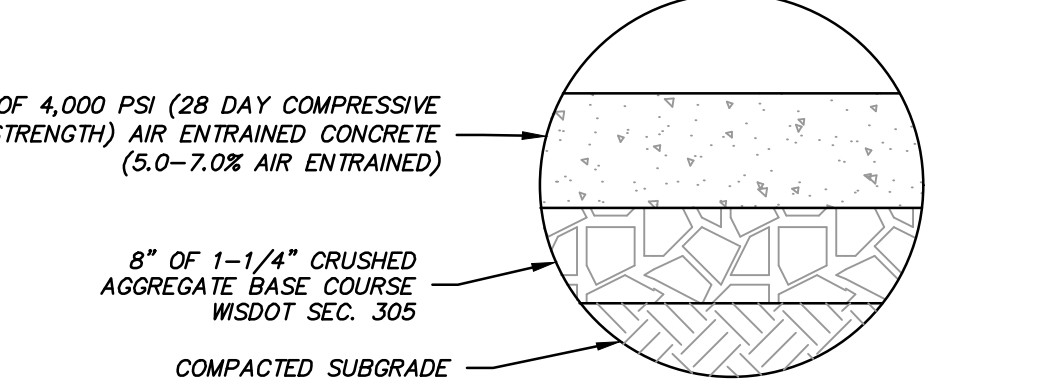
Contractor shall submit shop drawings to engineer for approval of the size, type, and gauge of materials that will be used for construction of a chain link fence prior to construction.



BOLLARD DETAIL
N.T.S.



BITUMINOUS PAVEMENT (HEAVY DUTY)



CONCRETE PAVEMENT (HEAVY DUTY)



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Project Owner

Village of Kimberly
Kimberly Street and Parks Department Facility
 426 W. Kimberly Avenue
 Kimberly, WI 54136

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SEH Project: KIMBV 171196
 Checked By: BLH
 Drawn By: JWS

Project Status: Issue Date

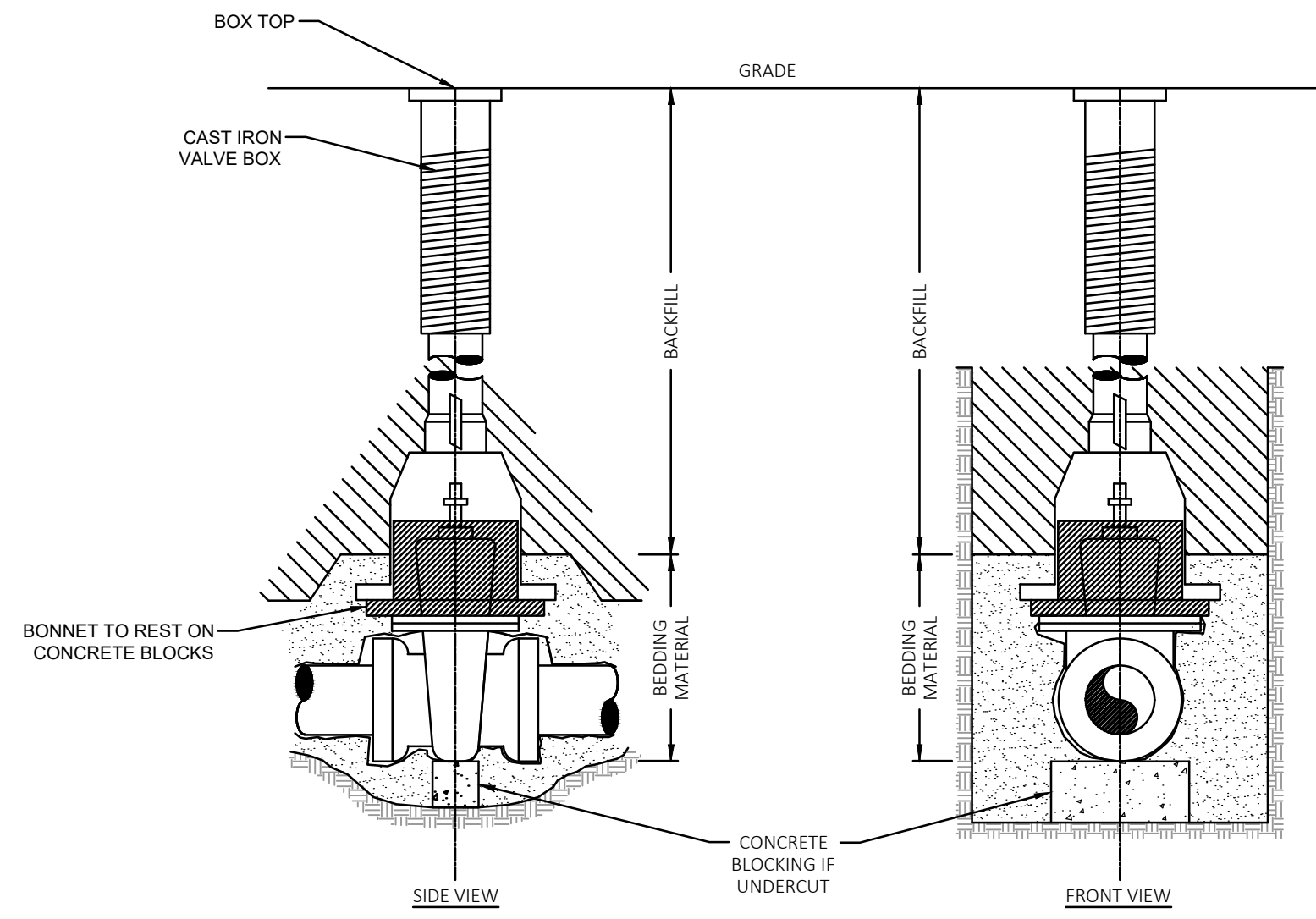
SITE PLAN REVIEW: 12-18-2023

REVISION SCHEDULE

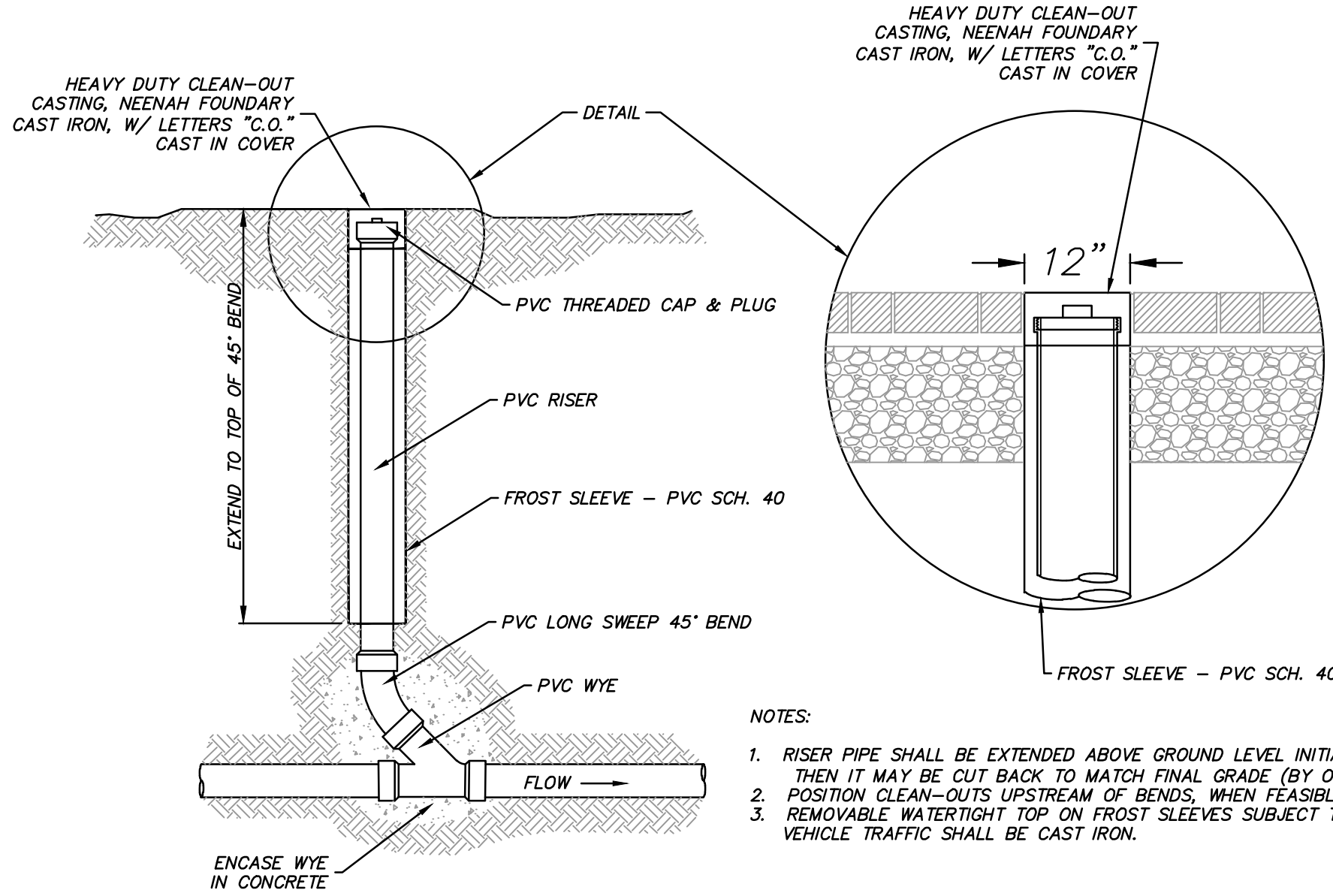
REV. #	DESCRIPTION	DATE

SITE DETAILS

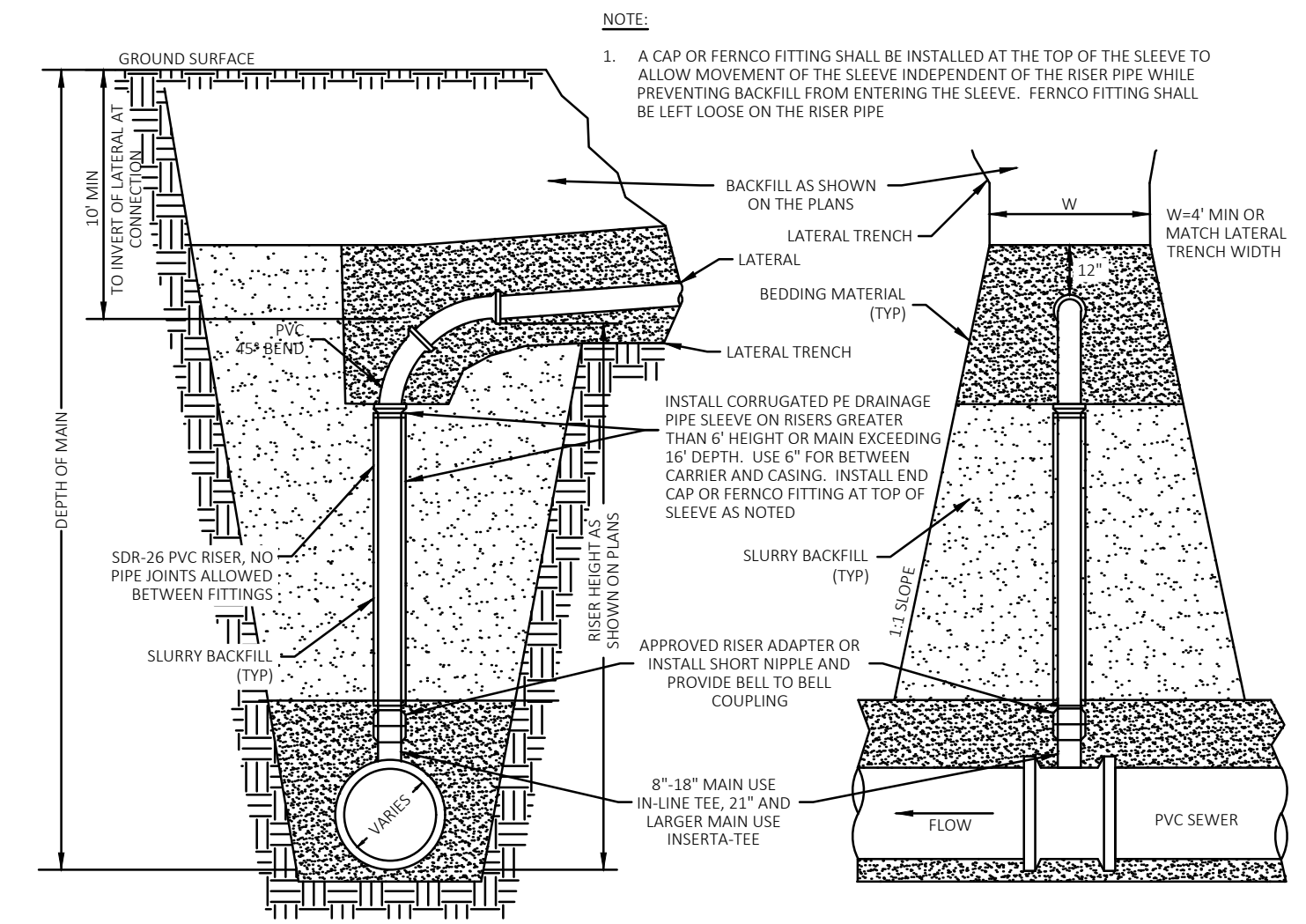
C600



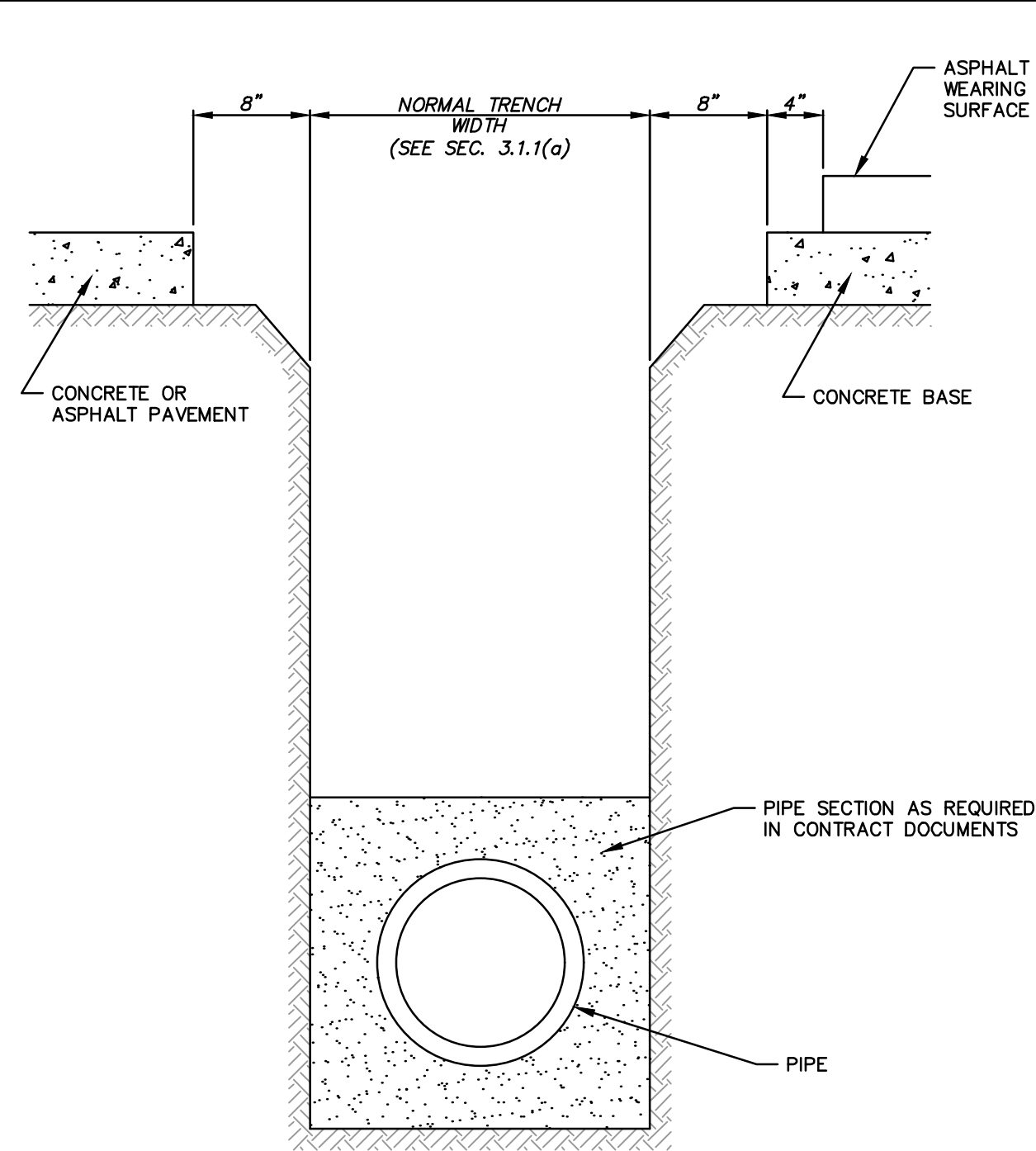
GATE VALVE DETAIL
N.T.S.



SANITARY CLEAN-OUT DETAIL
N.T.S.

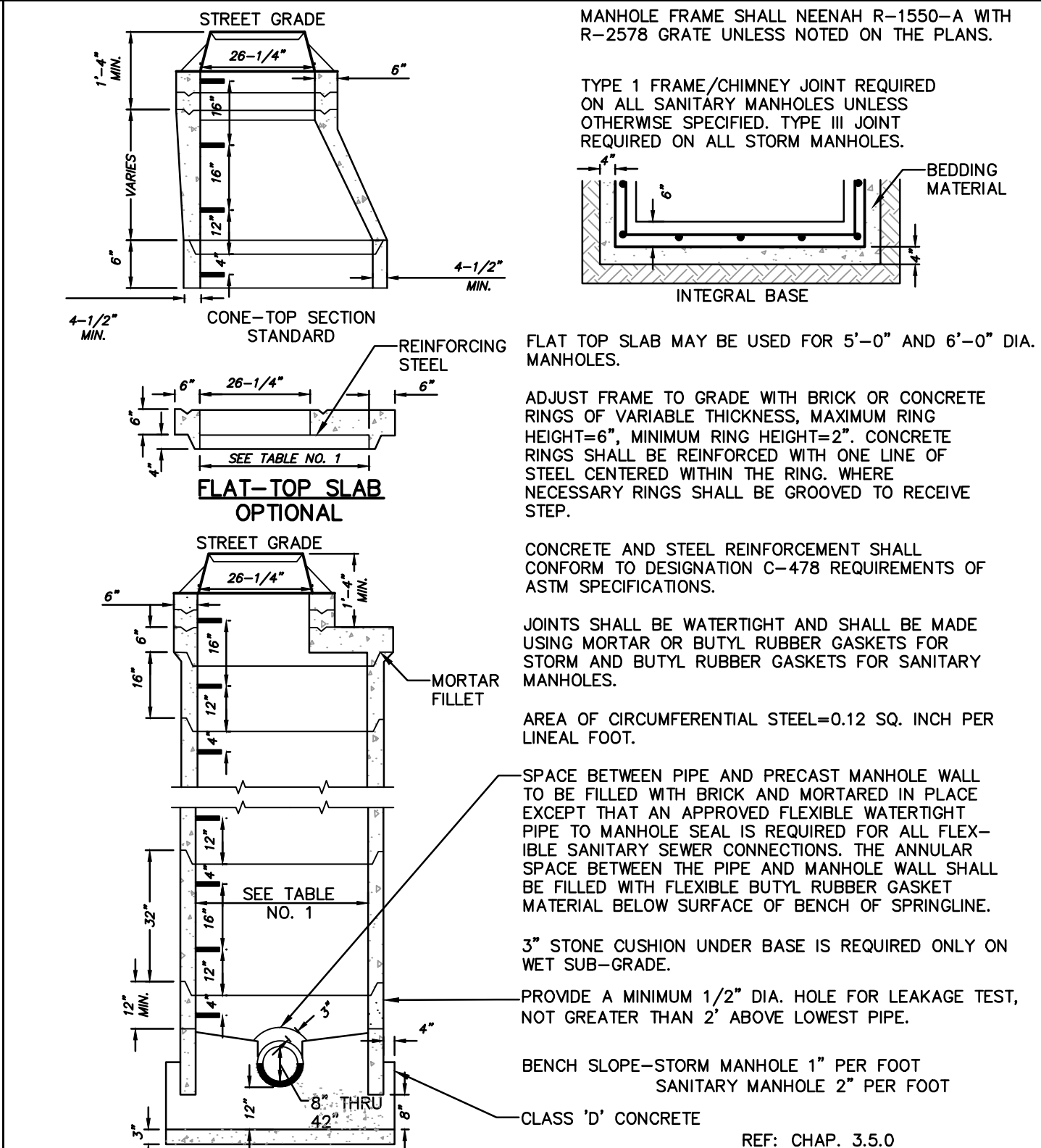


SANITARY LATERAL RISER DETAIL
N.T.S.



REF: SEC. 2.2.6

TYPICAL CUT PAVEMENT TRENCH SECTION	
NOT TO SCALE MARCH 1980	FILE NO. 1

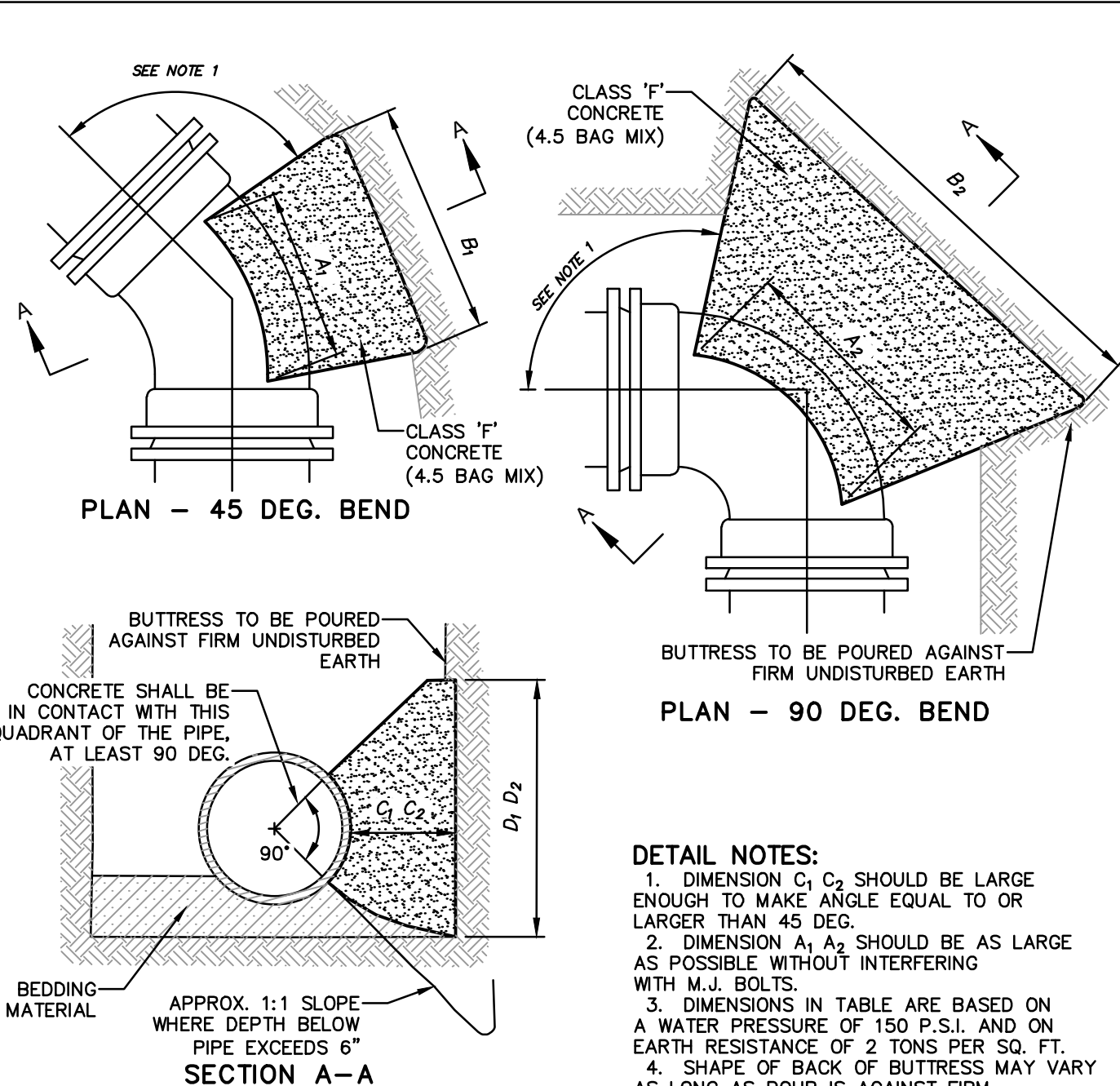


REF: CHAP. 3.5.0

TABLE NO. 1 POURED BASE		
PIPE DIA.	MANHOLE DIA.	WALL THICKNESS
8" THRU 27"	3'-6"	4 1/2"
30"	4'-0"	5"
36"	5'-0"	6"
42"	6'-0"	7"

PRECAST MANHOLE

NOT TO SCALE
JAN. 2, 1992

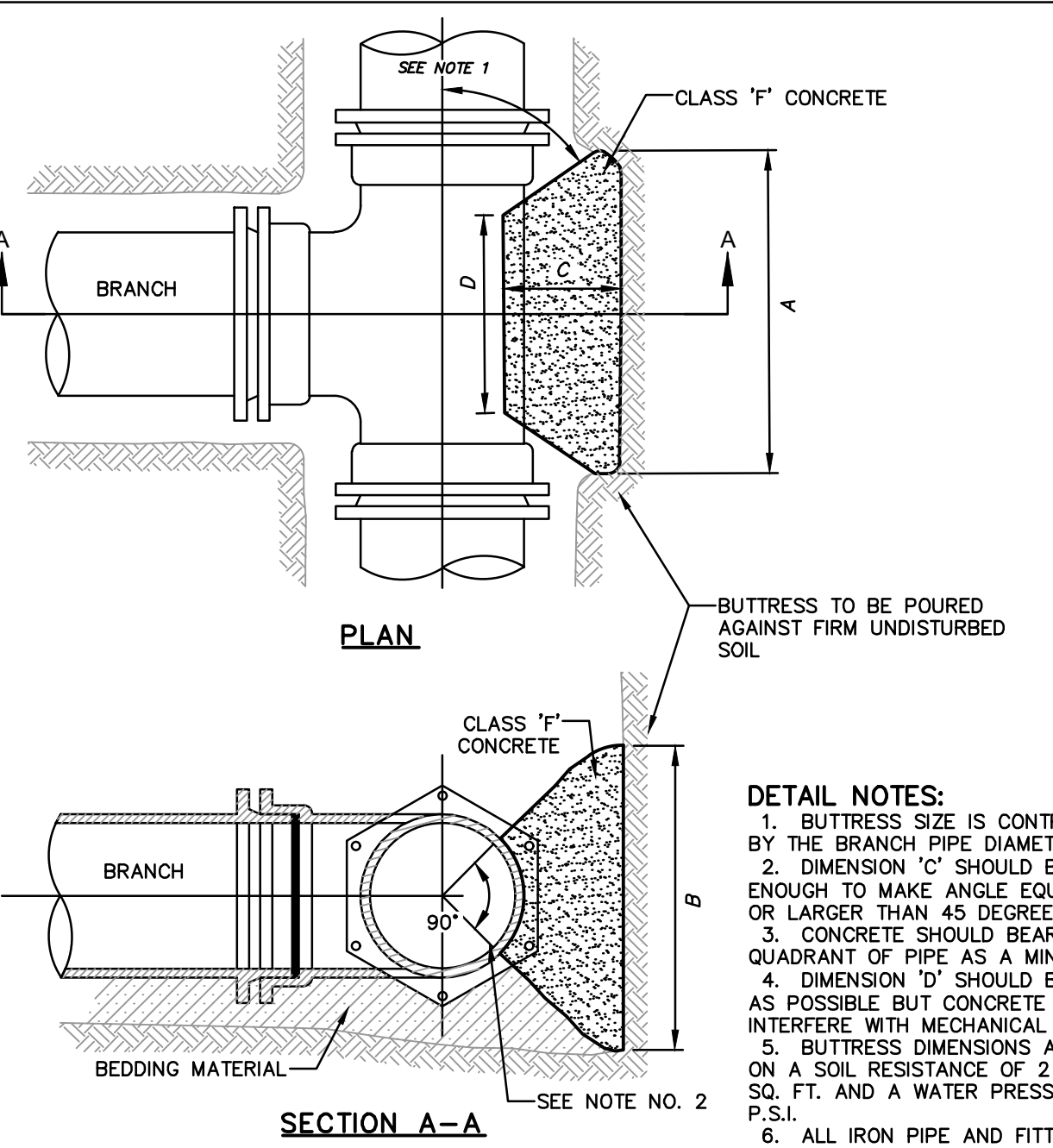


REF: SEC. 4.3.13.

BUTTRISS DIMENSIONS				
PIPE SIZE	45 DEG. BENDS		90 DEG. BENDS	
	B ₁	D ₁	B ₂	D ₂
4"	0'-10"	1'-3"	1'-6"	1'-4"
6"	1'-4"	1'-8"	2'-2"	1'-10"
8"	1'-11"	2'-0"	3'-0"	2'-4"
10"	1'-11"	2'-0"	3'-0"	2'-4"
12"	2'-1"	2'-6"	3'-7"	2'-8"
16"	3'-0"	3'-0"	5'-6"	3'-0"
20"	3'-9"	3'-9"	6'-9"	3'-9"
24"	4'-7"	4'-3"	8'-4"	4'-4"

BUTTRISS FOR 45 DEG. & 90 DEG. BENDS

NOT TO SCALE
DECEMBER 2003



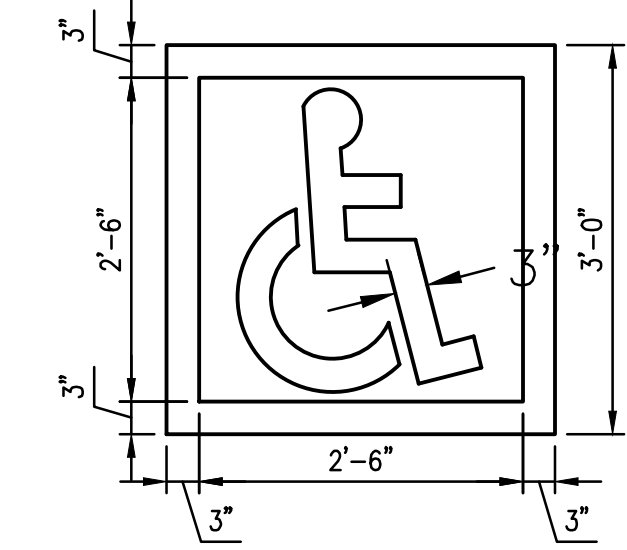
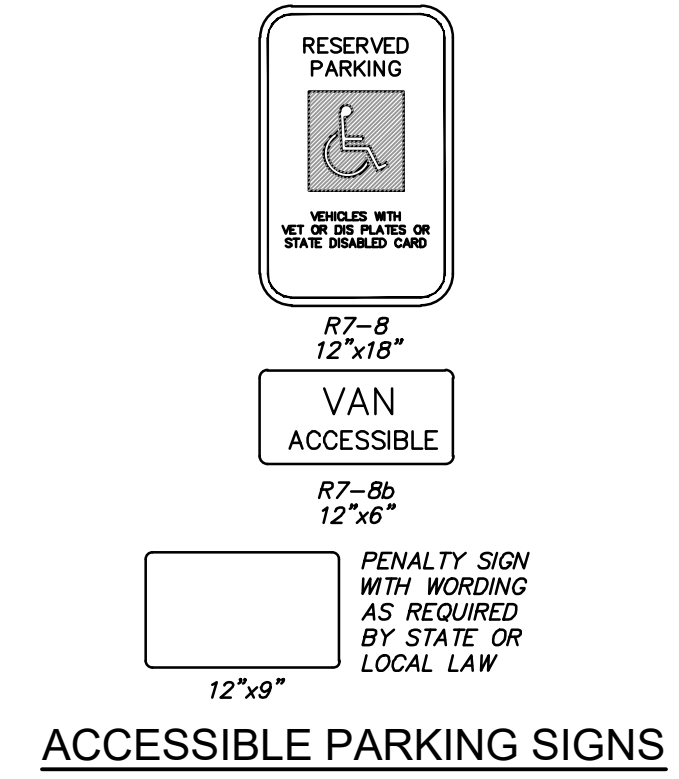
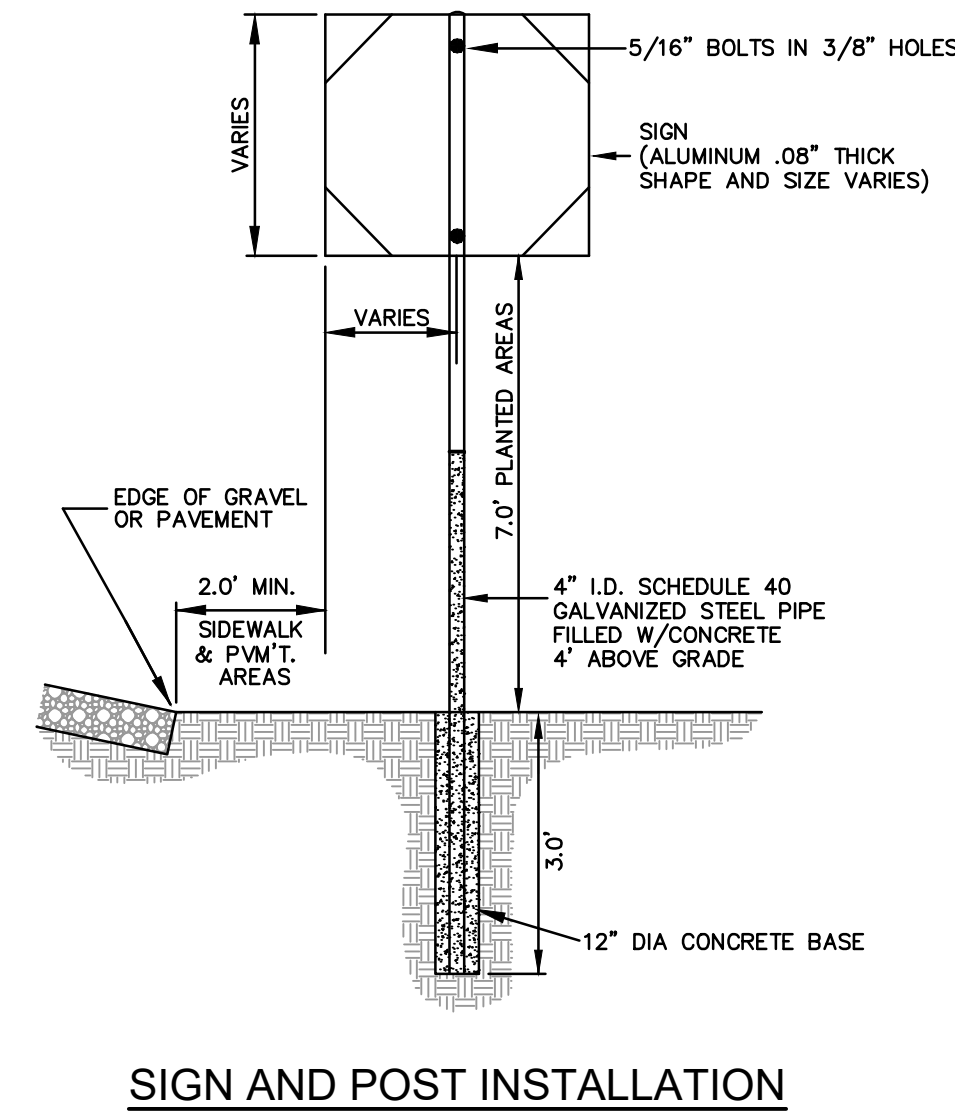
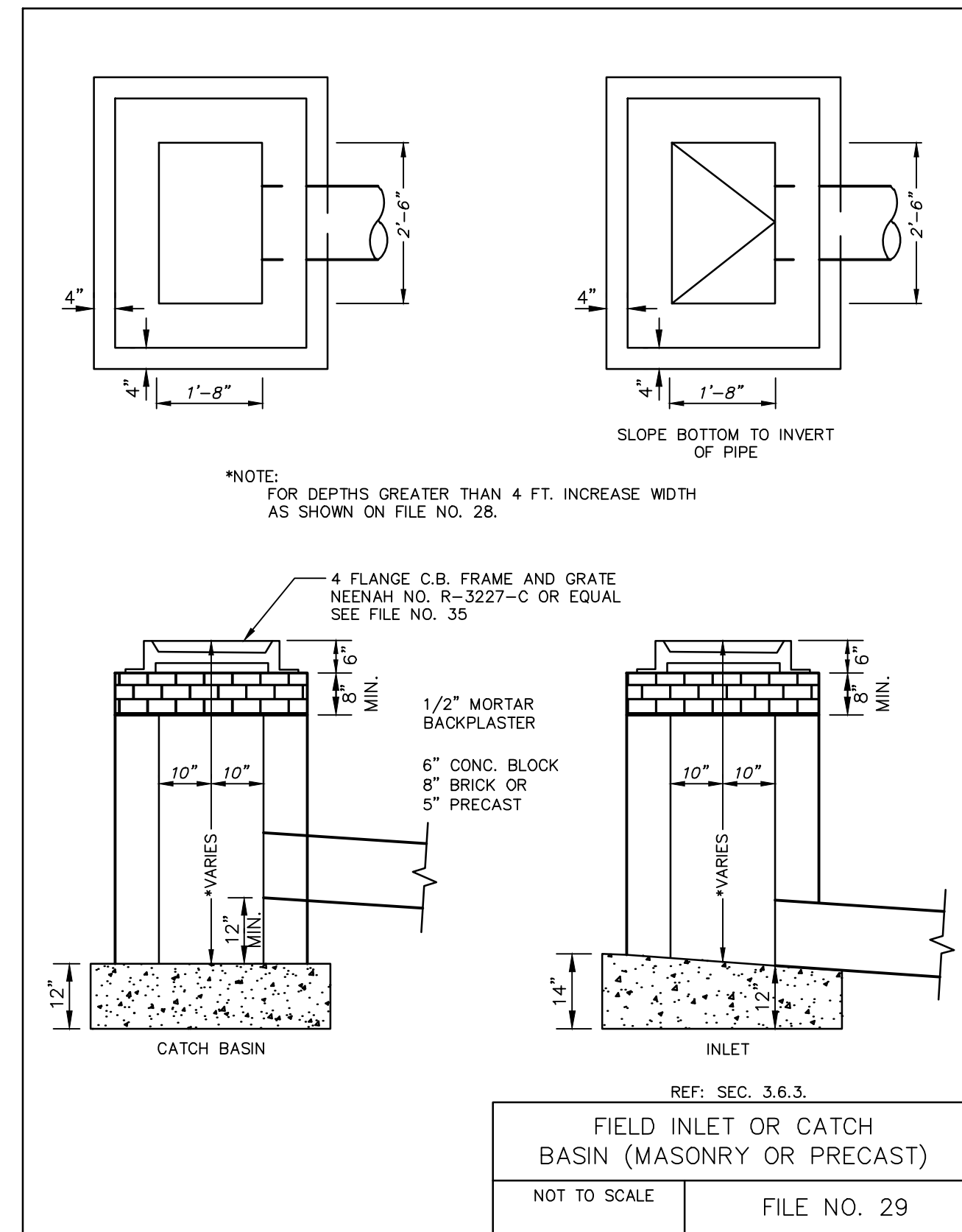
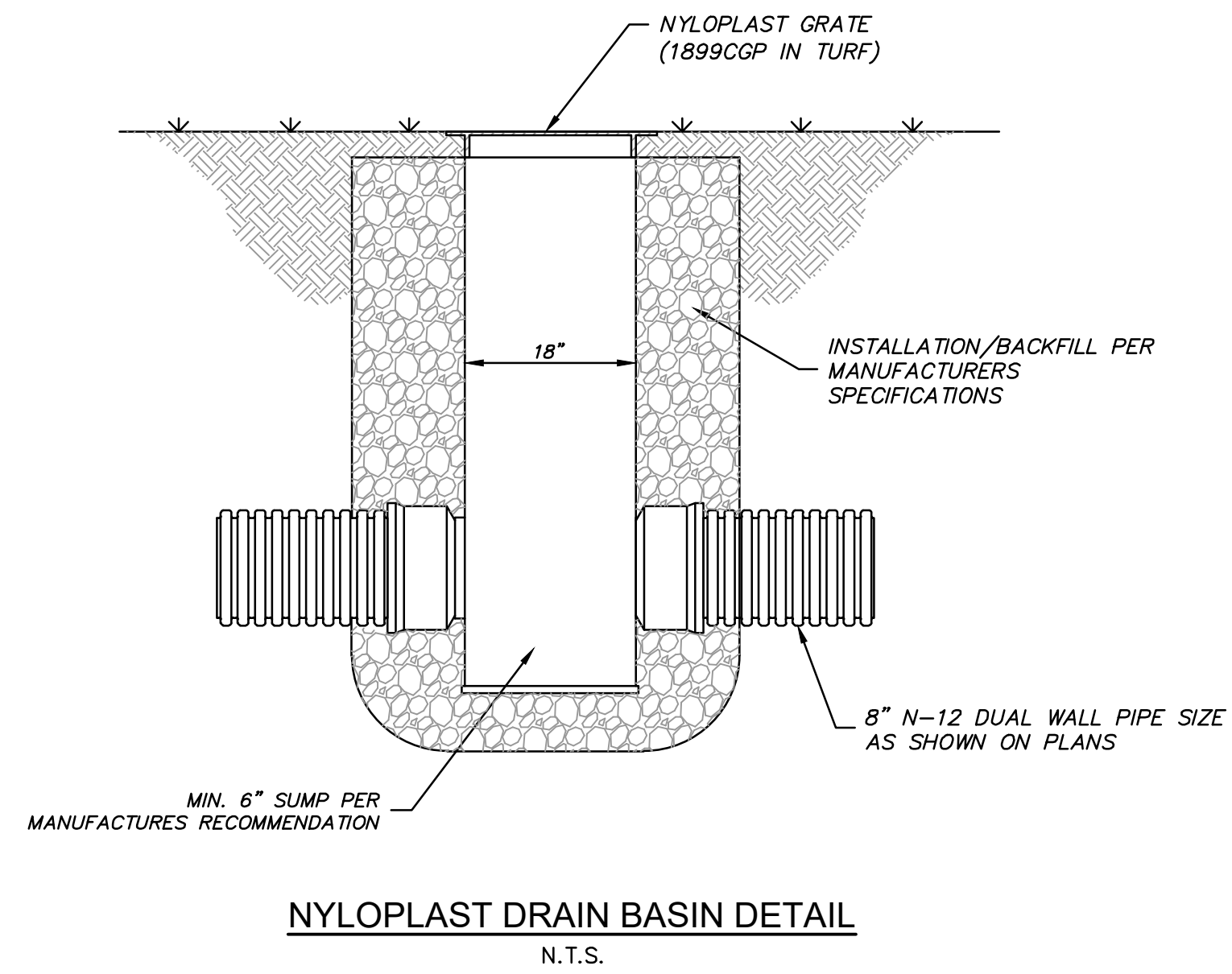
REF: SEC. 4.3.13.

BUTTRISS DIMENSIONS				
PIPE DIA.	A	B	C	D
6"	1'-6"	1'-8"		
8"	1'-9"	2'-4"		
10"	1'-9"	2'-4"	SEE NOTE NO. 2	SEE NOTE NO. 4
12"	2'-3"	2'-7"		
16"	3'-8"	2'-10"		
20"	5'-0"	3'-10"		
24"	5'-4"	4'-8"		

BUTTRISS FOR 11.25 DEG. & 22.5 DEG. BENDS

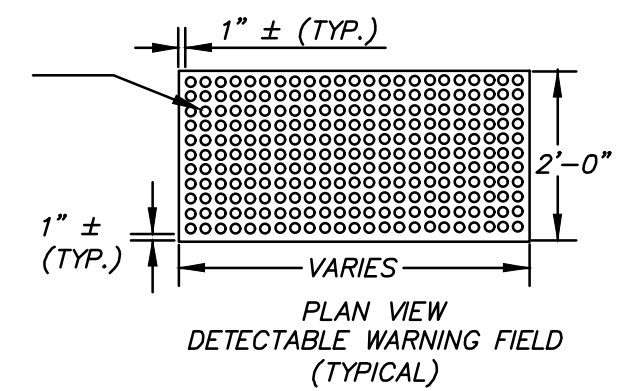
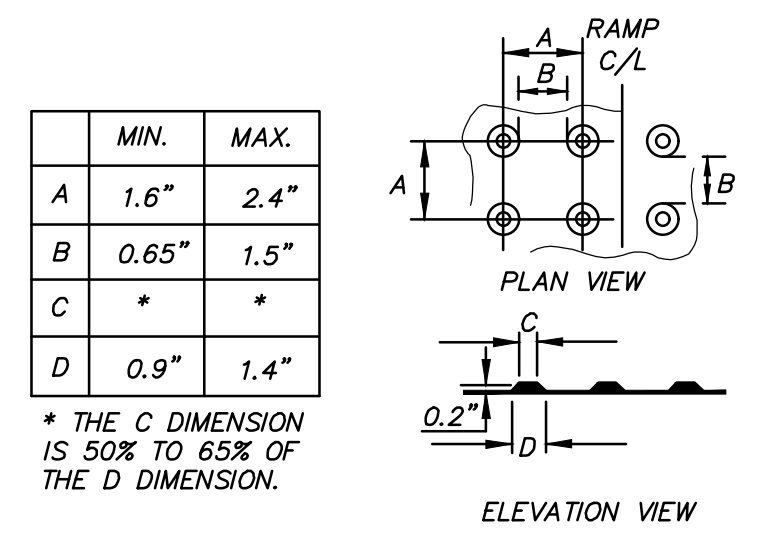
NOT TO SCALE
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FILE NO. 46



ADA PARKING SYMBOL
FOR ALL ACCESSIBLE AND VAN ACCESSIBLE SPACES

A. ALL STROKES TO BE 3" WIDE.
B. BLUE BACKGROUND WITH WHITE SYMBOL & BORDER.
C. LOCATE SYMBOL AT CENTER OF STALL WHERE SHOWN ON SITE PLAN.
D. ONE SYMBOL FOR EACH ADA PARKING SPACE.



DETECTABLE WARNING FIELD DETAIL



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Project Owner

Village of Kimberly
Kimberly Street and Parks Department Facility
426 W. Kimberly Avenue
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SEH Project KIMBV 171196
Checked By BLH
Drawn By JWS

Project Status Issue Date

SITE PLAN REVIEW 12-18-2023

REVISION SCHEDULE

REV. #	DESCRIPTION	DATE
--------	-------------	------

SITE DETAILS

C602

Nice

Transmitters Era One & Inti



Era One

2 and 4-channel transmitters with visor clip

Ideal and sleek design solution to control multi-user systems



ON2E/A

Visor clip standard on both ON2E/A and ON4E/A

ON4E/A

Inti Transmitters

The colorful line of 2-channel miniaturized transmitters, available in six colors. Ideal for multi-user systems



Ergonomic

Scratch-resistant coating



INTI2Y/A

INTI2R/A

INTI2L/A

INTI2G/A

INTI2B/A

INTI2/A

Self-learning and built-in proximity receiver with 72 bit O-Code encoding. 433.92 MHz rolling code transmitters with management of Identity Codes and Certificates.

Increase security using data processing and recognition systems that increase its degree of security and deliver a threefold reduction in automation response times.

Easy memorization using a transmitter already programmed in the receiver

Model	Description
ON2E/A	Era One Transmitter, 2 channels, 433.92 MHz
ON4E/A	Era One Transmitter, 4 channels, 433.92 MHz
INTI2Y/A	Inti Transmitter, 2 channels, 433.92 MHz, Yellow
INTI2R/A	Inti Transmitter, 2 channels, 433.92 MHz, Red
INTI2L/A	Inti Transmitter, 2 channels, 433.92 MHz, Lilac
INTI2G/A	Inti Transmitter, 2 channels, 433.92 MHz, Green
INTI2B/A	Inti Transmitter, 2 channels, 433.92 MHz, Blue
INTI2/A	Inti Transmitter, 2 channels, 433.92 MHz, Black

Transmitter Technical Specifications

Model	Carrier frequency	Estimated range	Encoding	Power supply	Battery life	Protection class	Dimensions and weight
ON2E/A ON4E/A	433.92 MHz	Outdoor: 656 ft (200 m) Inside building: 115 ft (35 m)*	O-Code 72 bit; rolling code**	3VDC; type CR2032 lithium battery	2 years (with 10 transmissions per day)	IP40 (use in protected environments)	1.7w x 2.1d x 0.4h inch 0.02 lb
INTI2/A all colors	433.92 MHz	Outdoor: 492 ft (150 m); Inside building: 98 ft (30 m)*	O-Code 72 bit; rolling code**	3VDC; type CR2032 lithium battery	2 years (with 10 transmissions for day)	IP40 (use in protected environments)	1.2w x 2.2d x 0.3h inch 0.03 lb

* Transmitter range and receiver reception capacity may be affected by any devices operating on the same frequency in the area.
** Not compatible with European products.



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Manufacturer of ultra-reliable rural/ranch, residential, commercial, solar, and parking gate operators and accessories.

D0825 082919

Nice

Receivers OXI/A & 318N



OXI/A Receiver

Multi-channel plug in receiver, compatible with 936, 1050 and XBA3 boards. Advanced features with Era One and Inti Transmitters.

Management: Receivers can receive and memorize up to 1000 codes/transmitters.

Memorization: An unique receiver output can be associated to each transmitter key.

Versatile: Receiver outputs can be customized through board programming to perform several different functions.

These receivers are not compatible with Homelink®



OXI/A Receiver multi-channel plug in

318N Receiver

2-channel receiver with normally open relay contacts.

Management: Receivers can receive and memorize up to 63 codes/transmitters.

Memorization: An unique receiver output can be associated to each transmitter key.

Versatile: Operating voltage is 12/24V AC/DC

These receivers are not compatible with Homelink®



318N Universal receiver

Code	Description
OXI/A	Receiver; 4 channels, 433.92 MHz, 1000 code memory
318N	Receiver, 2 channels, 433.92 MHz, 63 code memory

Receiver Technical Specifications

Model	Reception frequency	Decoding	Number of channels	Power supply	Absorption	Relay contact	Dimensions
318N	433.92 MHz	Digital 52 bit	2	12 - 24V AC/DC	15 mA	Normally Open	3.8w x 1.6d x 0.9h inch
OXI/A	433.92 MHz	Digital 52 Bit	15 - 1050/XBA3 board 2 - 936 board	n/a	30 mA (max)	--	1.9w x 0.7d x 1.7h inch

SYSTEM DESIGN SUPPORT: Contact Nice/HySecurity for help with custom site requirements, CAD drawings, tech manuals or other specifications support.

VISIT WWW.HYSECURITY.COM for installation manuals, parts diagrams, wiring diagrams, specifications, image gallery, videos, training and much more.



Contact Nice/HySecurity for an operator/parts distributor near you.
phone 253-867-3700 | 800-321-9947
www.hysecurity.com | sales@hysecurity.com

D0825 082919



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SEH Project KIMBV 171196
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Drawn By JWS

Project Status Issue Date

SITE PLAN REVIEW 12-18-2023

REVISION SCHEDULE

REV. # DESCRIPTION DATE

SITE DETAILS

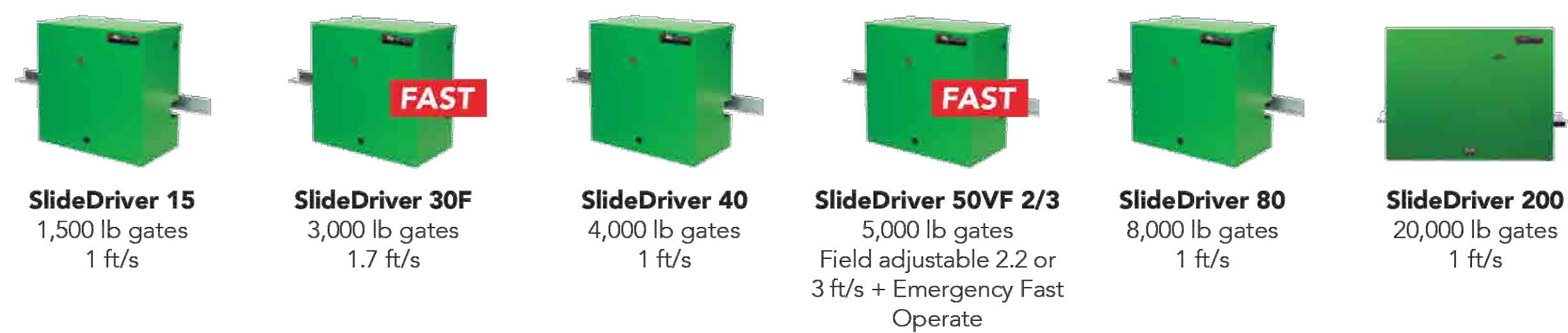
C603

Industrial SlideDriver™

Slide Gate Operator

Premium industrial slide gate operator

- Decades long life and low maintenance
- Move the longest, heaviest gates up to 20,000 lb
- Secure, heavy duty chassis - no visible moving parts
- Dual gate, sally port or sequenced gate integration
- Easy system troubleshooting with onboard event log
- Field programmable to specific site requirements
- UPS models retain full functionality during an AC power outage
- Extreme temperature range without heater
- Real time system security alerts
- 5 year warranty



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 Manufacturer of ultra-reliable high security, industrial, commercial, residential, parking and crash gate operators and accessories.

Industrial and High Security

HySecurity operators secure the world's critical infrastructure and key assets where ultimate reliability is vital. SlideDriver delivers uncompromising quality to industrial customers worldwide, where ease of use, consistent operation, low maintenance, long life and high reliability is expected.



Slide Gate Operator

31 SlideDriver™ Models

	FAST		FAST			
	1,500 lb gates 1 ft/s	3,000 lb gates 1.7 ft/s	4,000 lb gates 1 ft/s	5,000 lb gates 2.2 ft/s or 3 ft/s	8,000 lb gates 1 ft/s	20,000 lb gates 1 ft/s
Model	SlideDriver 15	SlideDriver 30F	SlideDriver 40	SlideDriver 50VF2/3	SlideDriver 80	SlideDriver 200
Part #	222 SS ST	222 EX 1.7 ST	222 E ST	222 X3 ST	222 X1 ST	444 XS ST
Duty Cycle	Continuous					
Horsepower	1 hp UPS model: 2 hp	2 hp	1 hp UPS model: 2 hp	2 hp	2 hp	5 hp
Drive	Hydraulic					
Drive Wheels	Two 6 inch (15 cm) AdvanceDrive wheels	Two 6 inch (15 cm) AdvanceDrive wheels	Two 6 inch (15 cm) AdvanceDrive wheels	Two 8 inch (20 cm) AdvanceDrive wheels	One 8 inch (20 cm) AdvanceDrive wheel, One 8 inch XtremeDrive wheel and 27 ft (8 m) of rack	Two 8 inch (20 cm) AdvanceDrive wheels, Two 8 inch XtremeDrive wheels and 52 ft (16 m) of rack
Gate Weight Max.	1,500 lb (680 kg)	3,000 lb (1,361 kg)	4,000 lb (1,814 kg)	5,000 lb (2,268 kg)	8,000 lb (3,629 kg)	20,000 lb (9,072 kg)
Gate Length Max.	Limited only by weight					
Drawbar Pull	300 lb (136 kg)	300 lb (136 kg)	300 lb (136 kg)	300 lb (136 kg)	600 lb (272 kg)	1,200 lb (544 kg)
Rate of Travel	1 ft/s (30 cm/s)	1.7 ft/s (50 cm/s)	1 ft/s (30 cm/s)	Field adjustable, 2.2 ft/s (70 cm/s) or 3 ft/s (91 cm/s) Emergency Fast Operate 3 ft/s (91 cm/s)	1 ft/s (30 cm/s)	1 ft/s (30 cm/s)
Temperature Rating	-40° F to 158° F (-40° C to 70° C) No heater necessary					
1 Phase Power	115/208/230V 60 Hz 110/220V 50 Hz***	208/230V 60 Hz 220V 50 Hz***	115/208/230V 60 Hz 110/220V 50 Hz***	208/230V 60/50 Hz	208/230V 60 Hz 220V 50 Hz***	230V 60 Hz 220V 50 Hz***
3 Phase Power	208/230/460V or 575V 60Hz; 220/380/440V 50Hz***			208/230V 60/50Hz or 380/460V 60/50Hz	208/230/460V or 575V 60Hz; 220/380/440V 50Hz***	
Communication	RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory					
User Controls	Smart Touch Controller with 70+ configurable settings. Smart Touch keypad and display or a PC using S.T.A.R.T. software.					
Relays	Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs					
Finish	Zinc plated with powder coating					
Listed to UL 325	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class III, IV	Usage Class III, IV
Warranty	5 year					
Additional Models						
DC Power Supply*	SlideDriver 15 UPS	SlideDriver 30F UPS	SlideDriver 40 UPS	-	SlideDriver 80 UPS	SlideDriver 200 UPS**
AC Power Supply with HyInverter*	SlideDriver 15 with HyInverter	-	SlideDriver 40 with HyInverter	SlideDriver 50VF2/3 with HyInverter	-	-
Correctional Facility	-	SlideDriver 30F-C	SlideDriver 40-C	SlideDriver 50VF2/3-C	SlideDriver 80-C	SlideDriver 200-C
Modular	SlideDriver 15-M	SlideDriver 30F-M	SlideDriver 40-M	SlideDriver 50VF2/3-M	SlideDriver 80-M	SlideDriver 200-M

* 3,000 ft/hr expected duty cycle. The operator's normal duty cycle and the actual number of gate cycles available from battery depends upon gate resistance to travel, cycle length, battery size, state of charge, and health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.
 ** SlideDriver 200 UPS has a 2,000 ft/hr expected duty cycle. Actual duty cycle depends on site specific conditions and gate configuration.
 *** Refer to Installed Options on pricing for all 50Hz voltages and 575V 3Ø, which are special order.
 † 115V DC Power Supply requires a 30A branch circuit. Choose voltage with care as chargers are not field convertible.

To enable fully automatic operation, all SLIDE gate operators require a minimum of TWO monitored external entrapment protection sensors (one for each direction) to protect entrapment zones in both the open and close direction of travel. Visit www.hysecurity.com/gatesafety for more information on UL 325 standards and gate safety.

OPTIONAL ACCESSORIES: Hy5B™ intelligent vehicle detectors, 12 in (30 cm) base extension, tamper proof heavy gauge cover, cabinet lock, solenoid lock, Fire and Emergency Access Lock Box, heater, strobe light, photo eye, snowbrush and scraper kit, XtremeDrive rack kit, custom colors, HyNet Gateway and more.

SYSTEM DESIGN SUPPORT: Contact HySecurity for CAD drawings, tech manuals, help with custom site requirements or other specifications support. Call to speak with a HySecurity representative today.

VISIT WWW.HYSECURITY.COM for specifications, installation manuals, wiring diagrams, parts diagrams, image gallery, videos, training and much more.

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 phone 253-867-3700 | 800-321-9947 | www.hysecurity.com | orders@hysecurity.com



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Project Owner

Village of Kimberly
 Kimberly Street and Parks Department Facility
 426 W. Kimberly Avenue
 Kimberly, WI 54136

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SEH Project KIMBV 171196
 Checked By BLH
 Drawn By JWS

Project Status Issue Date

SITE PLAN REVIEW 12-18-2023

REVISION SCHEDULE

REV. # DESCRIPTION DATE

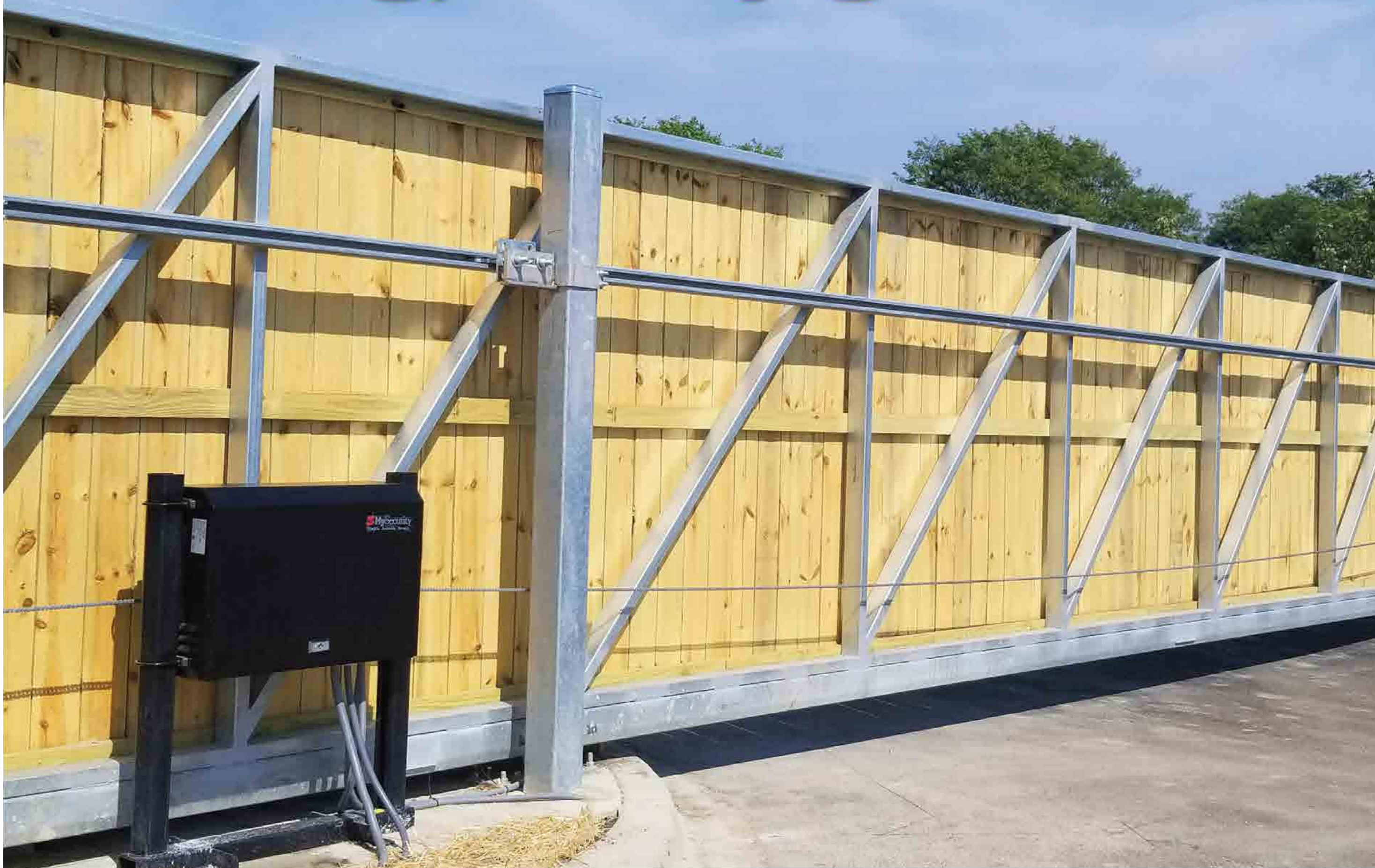
SITE DETAILS

C604

SlideSmart™ HD



Cycle big, heavy gates



Heavy duty. Commercial.

Quick and easy install

Long life slide gate operator with best in class controller and battery backup.



Move up to 3,000 lb/50 ft gate



HD15F moves your gate fast



Rodent proof heavy duty enclosure



Intelligent charging system, monitors battery condition to maximize battery life



Keep your gate moving after power loss: up to 4,000 ft/standard batteries and 25,000 ft/extended batteries



Easy system troubleshooting with onboard event log



Field Programmable to specific site requirements



Easily retrofit similar profile operators out-of-the-box



Real time system security alerts with optional HyNet™ Gateway



5 year warranty



Optional base extension and retrofit adapter

Family Traits

- Best in class Smart DC™ controls
- 24VDC with battery backup
- Seamless operation with HySecurity accessories
 - HyNet™
 - Hy5B™
- 5 year warranty

Distinctive Features

- For BIG gates up to 3,000 lb
- Sturdy steel enclosure
- Side mount posts
- Fast model available



Nice 7251/7351 Residential



SlideSmart CNX Commercial



SlideSmart HD Commercial/Industrial



SlideDriver Industrial



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SEH Project: KIMBV 171196
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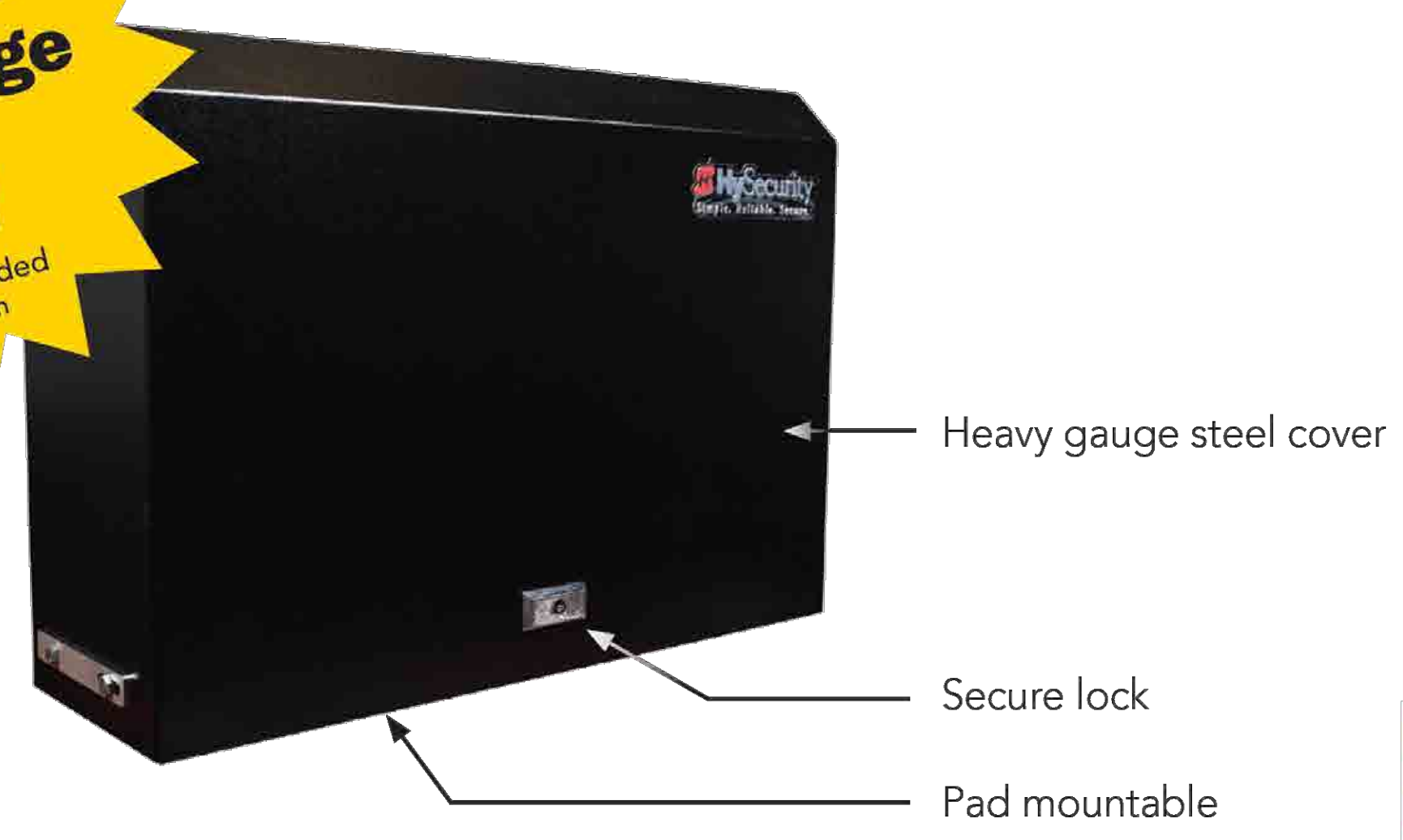
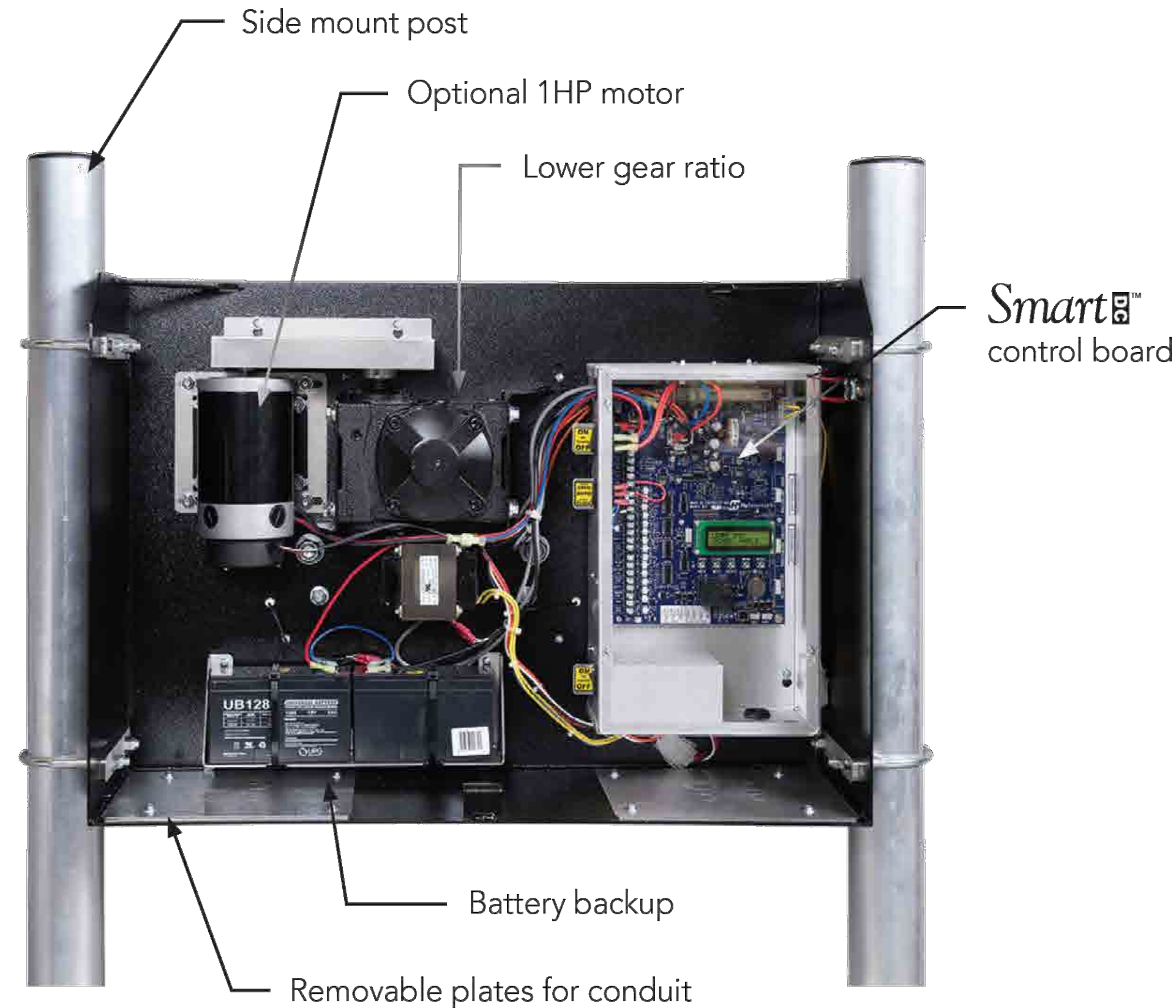
REVISION SCHEDULE

REV. #	DESCRIPTION	DATE

SITE DETAILS

C605

Battery Backup. Low maintenance.



Residential and Commercial



Slide Gate Operator

SYSTEM DESIGN SUPPORT: Contact Nice/HySecurity for help with custom site requirements, CAD drawings, tech manuals or other specifications support.

VISIT HYSECURITY.COM for installation manuals, parts diagrams, wiring diagrams, specifications, image gallery, videos, training and much more.

3 SlideSmart™ HD Models

Model	FAST		
	SlideSmart DC HD15F	SlideSmart DC HD25	SlideSmart DC HD30
Gate Weight Max.	1,500 lb (680 kg)	2,500 lb (1,134 kg)	3,000 lb (1,361 kg)
Gate Length Max.	50 ft (15 m)		
Pull Force*	300 lb	450 lb	500 lb
Rate of Travel	1.75, 2 or 2.25 ft/s (53, 61 or 69 cm/s) Open/Close speed set independently	0.75, 1 or 1.25 ft/s (23, 30 or 38 cm/s) Open/Close speed set independently	
Duty Cycle	Continuous		
Horsepower	1 hp	1/2 hp	1 hp
Drive	Electromechanical		
UPS Battery Backup Cycles †	Field configurable to fail open or secure when batteries deplete. Standard battery backup gate travel: Two 8Ah batteries. Up to 4,000 ft (1,219 m) after AC power loss. Extended battery backup gate travel: Two 50Ah batteries. Up to 25,000 ft (7,620 m) after AC power loss.		
Temperature Rating	-13° to 158° F (-25° to 70° C)		
Operating Voltage	24VDC		
Input Voltage	115V or 208-230V, 60/50 Hz		
Accessory Power	12VDC and 24VDC 1A each		
Communication	USB, RS-232, RS-485. Ethernet/fiber using optional HyNet™ Gateway accessory		
User Controls	Smart DC Controller with 70+ configurable settings. 32 character LCD display and 5 tact buttons or a PC using S.T.A.R.T. software.		
Relays	Two configurable user relays: 30VDC, 3A solid state and 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs		
Finish	Zinc rich primer and black powder coated steel cover/chassis		
ETL Listed (UL 325)	Usage Class III, IV***	Usage Class I, II, III, IV**	
Cycle Tested	500,000 cycles		
Warranty	5 year w/product registration	5 year (7 year single-family residential) w/product registration	

* HySecurity manufactures only reliable and powerful gate operators and provides an extra margin of power to be certain the gate works in adverse conditions. Some manufactures overstate the length and weight capacity of their operators, but HySecurity rates conservatively. Note that our pull force ratings are substantial and that extra margin of power is part of the HySecurity reputation for reliability.

** Speed setting cannot be configured to exceed 1 ft/s for Class I and II usage.

***Not for residential use or applications intended to serve the general public.

† The actual number of gate cycles available from battery depends upon gate resistance to travel, cycle length, battery size, state of charge and health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.

To enable fully automatic operation, all SLIDE gate operators require a minimum of TWO monitored external entrapment protection sensors (one for each direction) to protect entrapment zones in both the open and close direction of travel. Visit www.hysecurity.com/gatesafety for more information on UL 325 standards and gate safety.

Optional Accessories - See website for complete list



Contact Nice | HySecurity for an operator/parts distributor near you.
phone 253-867-3700 | 800-321-9947
hysecurity.com | sales@hysecurity.com



Village of Kimberly
Kimberly Street and Parks Department Facility

426 W. Kimberly Avenue
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SEH Project: KIMBV 171196
Checked By: BLH
Drawn By: JWS

Project Status: Issue Date
SITE PLAN REVIEW 12-18-2023

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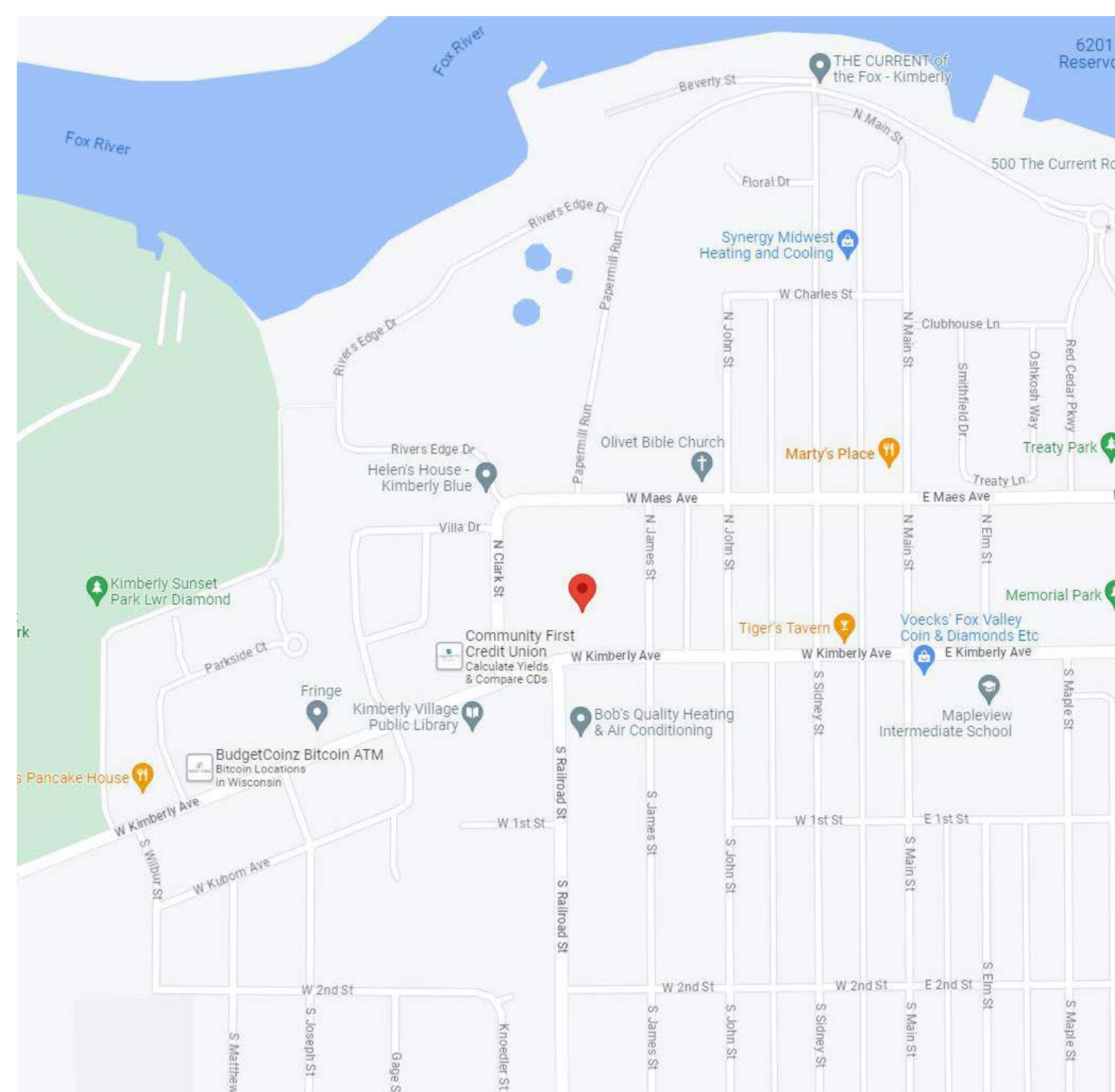
SITE DETAILS

VILLAGE OF KIMBERLY MUNICIPAL SERVICES CENTER

426 WEST KIMBERLY AVENUE
KIMBERLY, WISCONSIN 54136

Project Owner

VICINITY MAP



LOCATION MAP



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- G010 CODE PLAN

CIVIL

- C100 EXISTING CONDITIONS & DEMOLITION PLAN
- C200 SITE PLAN
- C300 GRADING & EROSION CONTROL PLAN
- C400 UTILITY PLAN
- C500 SITE DETAILS

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- S002 GENERAL STRUCTURAL NOTES
- S003 GENERAL STRUCTURAL NOTES
- S100 OVERALL FOUNDATION PLAN
- S110 OVERALL FIRST FLOOR FRAMING PLAN
- S120 OVERALL MEZZANINE PLAN
- S130 OVERALL ROOF FRAMING PLAN
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- S401 ENLARGED FOUNDATION PLAN - WEST GARAGE
- S402 ENLARGED FOUNDATION PLAN - EAST GARAGE
- S410 ENLARGED BRIDGE CRANE FRAMING PLAN AND DETAILS
- S420 ENLARGED MEZZANINE FRAMING PLANS
- S430 ENLARGED ROOF FRAMING PLAN - OFFICE
- S431 ENLARGED ROOF FRAMING PLAN - WEST GARAGE
- S432 ENLARGED ROOF FRAMING PLAN - EAST GARAGE
- S501 FOUNDATION DETAILS
- S502 FOUNDATION DETAILS
- S503 FOUNDATION DETAILS
- S521 MASONRY DETAILS
- S522 MASONRY DETAILS
- S531 PRECAST DETAILS
- S532 PRECAST DETAILS
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- S542 STEEL DETAILS
- S543 STEEL DETAILS
- S544 STEEL DETAILS
- S545 STEEL DETAILS

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- A004 ADA DETAILS
- A011 PARTITION TYPES AND CONSTRUCTION ASSEMBLIES
- A051 ARCHITECTURAL SITE PLAN
- A061 ENLARGED SITE PLANS AND DETAILS
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- A313 WALL SECTIONS
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- A420 ENLARGED PLANS
- A421 INTERIOR ELEVATIONS
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- A504 DETAILS
- A505 DETAILS
- A506 DETAILS
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- H003 SCHEDULES
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- P403.1 ISOMETRIC - DOMESTIC WATER - GARAGE
- P403.2 ISOMETRIC - DOMESTIC WATER - GARAGE (CONT.)
- P411 ISOMETRIC - SANITARY DWV - OFFICE
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- P413.1 ISOMETRIC - SANITARY DWV - GARAGE
- P413.2 ISOMETRIC - SANITARY DWV - GARAGE (CONT.)
- P421 ISOMETRIC - STORM DWV - OFFICE
- P422 ISOMETRIC - STORM DWV - SHOP
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- E002 ELECTRICAL SITE PLAN - DEMO
- E003 ELECTRICAL SITE PLAN - NEW
- E100 TEST SHEET
- E100 OVERALL PLANS
- E101 FIRST FLOOR PLANS - OFFICE - LIGHTING & POWER
- E102 FIRST FLOOR PLAN - GARAGE - LIGHTING
- E103 FIRST FLOOR PLAN - GARAGE - POWER
- E104 FIRST FLOOR PLANS - SHOP - LIGHTING & POWER
- E201 MEZZANINE PLANS - LIGHTING
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- E300 OVERALL PLANS - FIRE ALARM
- E301 FIRE ALARM DETAILS
- E400 ELECTRICAL DETAILS
- E401 ELECTRICAL DETAILS
- E500 ONE-LINE DIAGRAM, FEEDER SCHEDULE & DETAILS
- E501 PANEL SCHEDULES, FIXTURE SCHEDULE & MOTOR STARTER SCHEDULE

PROJECT DIRECTORY

OWNER

VILLAGE OF KIMBERLY
426 W. KIMBERLY AVE.
KIMBERLY, WI 54123

ARCHITECT / STRUCTURAL ENG.

SHORT ELLIOTT HENDRICKSON, INC.
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APPLETON, WISCONSIN 54911

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920.362.1042

VILLAGE OF KIMBERLY
MUNICIPAL SERVICES CENTER
426 WEST KIMBERLY AVENUE
KIMBERLY, WISCONSIN 54136

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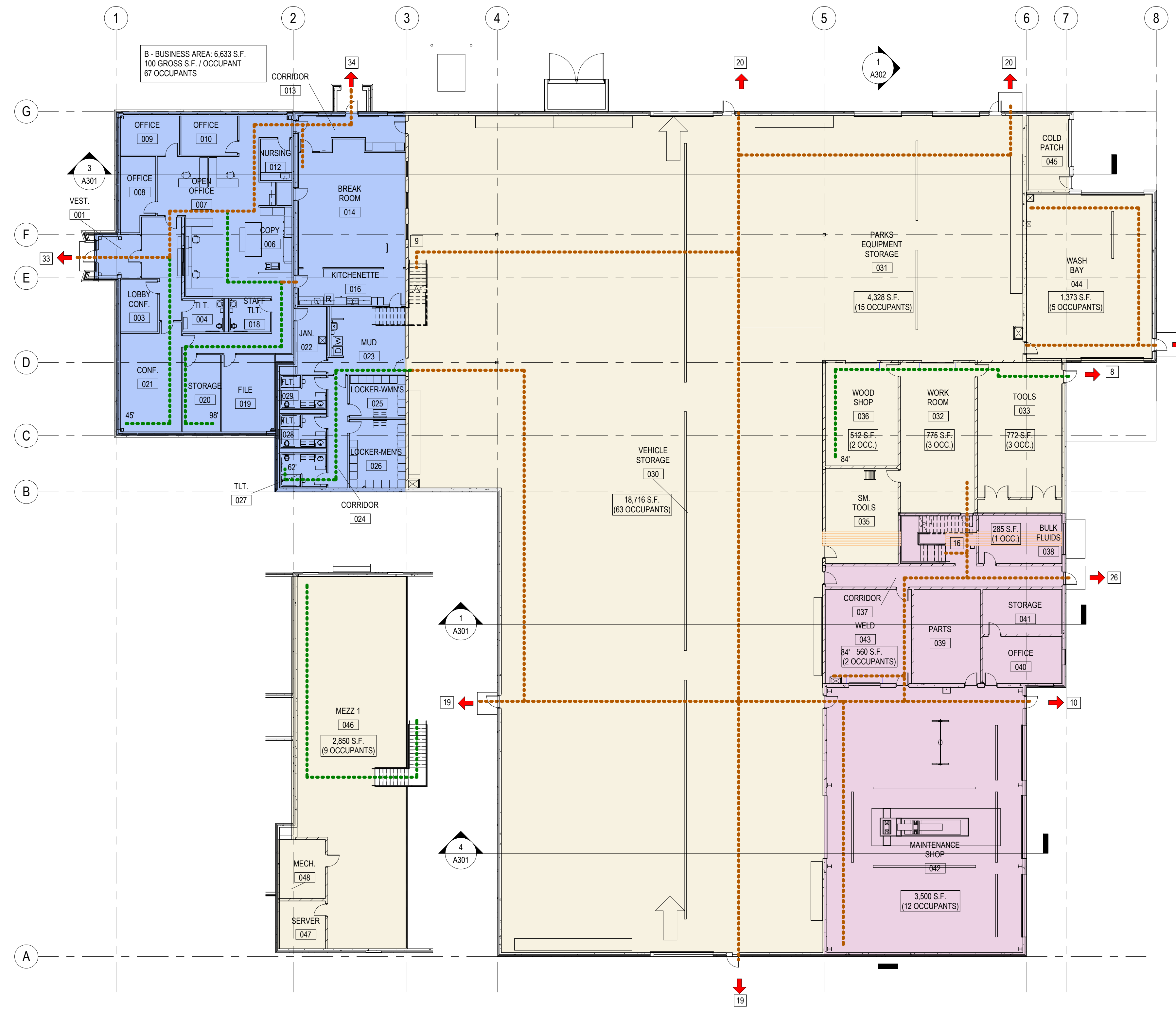
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Checked By TIF
Drawn By MRC

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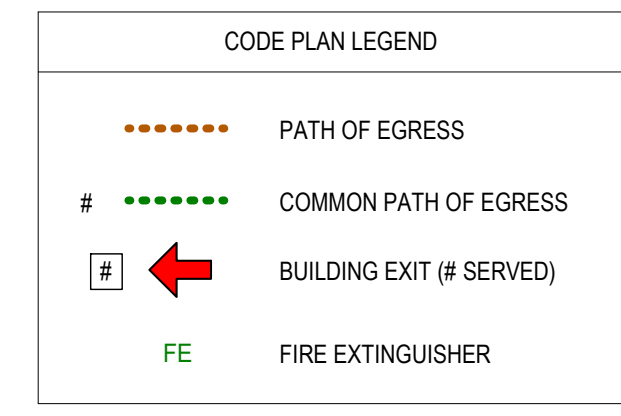
COVER SHEET

G001



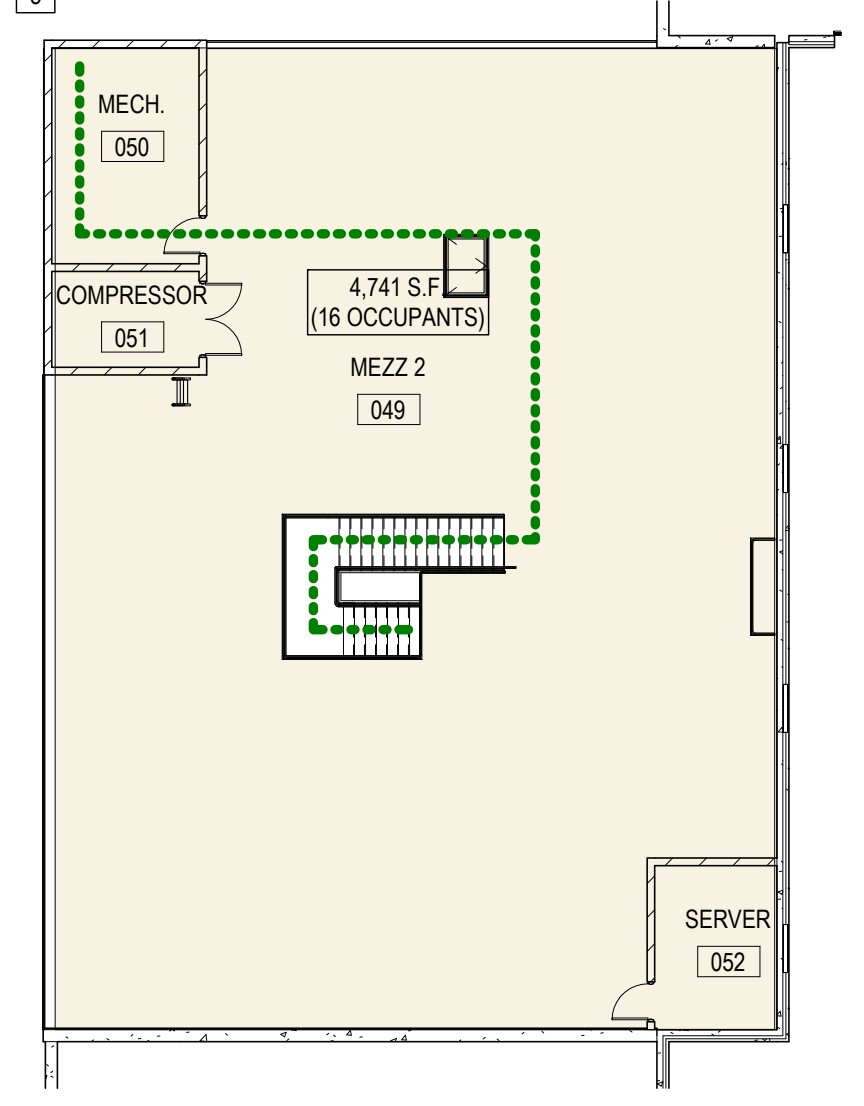
2 FLOOR PLAN - MEZZANINE 1
 G010 1/16" = 1'-0"

1 CODE PLAN - GROUND LEVEL
 G010 1/16" = 1'-0"
 TRUE NORTH



PLUMBING FIXTURES

194 OCCUPANTS PER CODE
 ACTUAL: 50 MAXIMUM OCCUPANTS
 MEN: 25 MAXIMUM ACTUAL
 1 PER 25 FOR THE FIRST 50
 1 REQUIRED (2 PROVIDED)
 WOMEN: 25 MAXIMUM ACTUAL
 1 PER 25 FOR THE FIRST 50
 1 REQUIRED (1 PROVIDED)
 (1) ADDITIONAL UNISEX TOILET ROOM PROVIDE ON EMPLOYEE SIDE OF BUILDING
 ONE TOILET PROVIDED FOR VISITING PUBLIC (P) 2902.2 Separate facilities. Exceptions: Separate facilities shall not be required with a total occupant load, including both employees and customers, of 15 or fewer



3 FLOOR PLAN - MEZZANINE 2
 G010 1/16" = 1'-0"

PROJECT DESCRIPTION

Full demolition of the existing the Municipal Services Center building and the construction of a new 40,481 s.f. building on the same site. The main function of the building is vehicle and mechanical equipment storage and maintenance. The Village office area contains a public side for periodic visitation from the public for transactions and inquiries.

Building is fully sprinklered

Ground Level Area: 40,481 s.f.
 Mezzanine #1 Area: 2,983 s.f.
 Mezzanine #2 Area: 5,026 s.f.

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

Occupancy: Types:

- Type: B (Office Area): 6,633 s.f.
- Type: S-1 (Repair Garage): 6,019 s.f.
- Type S-2 (Storage Garage, Wash Bay): 27,829 s.f.

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

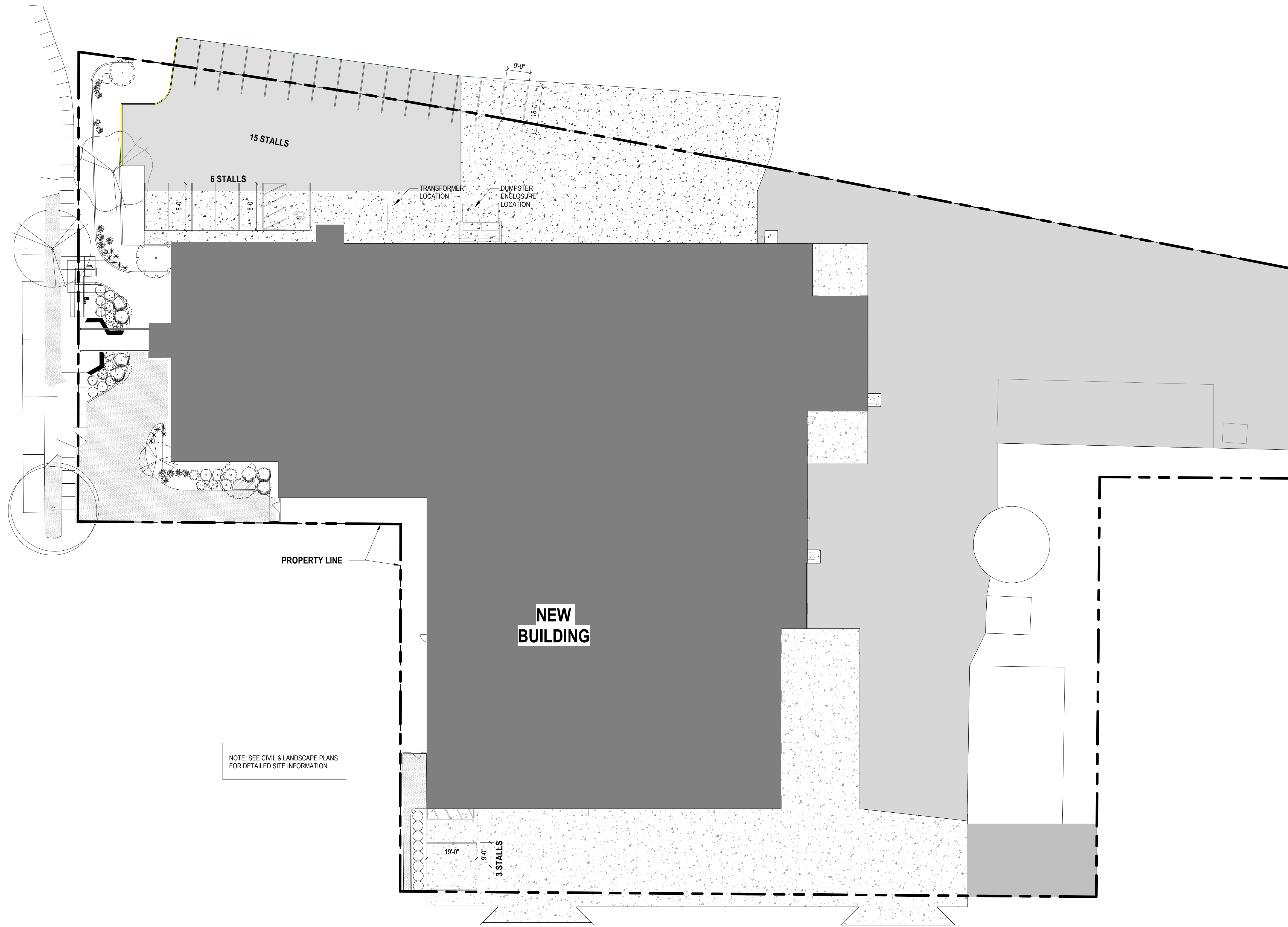
Construction Type: Type IIB

Table 503 Allowable Building Heights and Areas (Type IIB)

B	92,000 s.f.
S-1	70,000 s.f. (Most Restrictive)
S-2	104,000 s.f.

TABLE 1006.2.1
 Spaces with one exit
 Maximum Common Path of Egress Travel Distance (Sprinklered)
 Types B, S: 100 feet

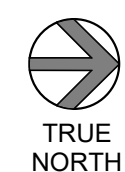
TABLE 1017.2
 Exist Access Travel Distance (Sprinklered)
 Types B, S1: 250 feet
 Type S2: 400 feet



NOTE: SEE CIVIL & LANDSCAPE PLANS
FOR DETAILED SITE INFORMATION

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1 SITE PLAN
A051 1" = 20'-0"



VILLAGE OF KIMBERLY
MUNICIPAL SERVICES CENTER

426 WEST KIMBERLY AVENUE
KIMBERLY, WISCONSIN 54136

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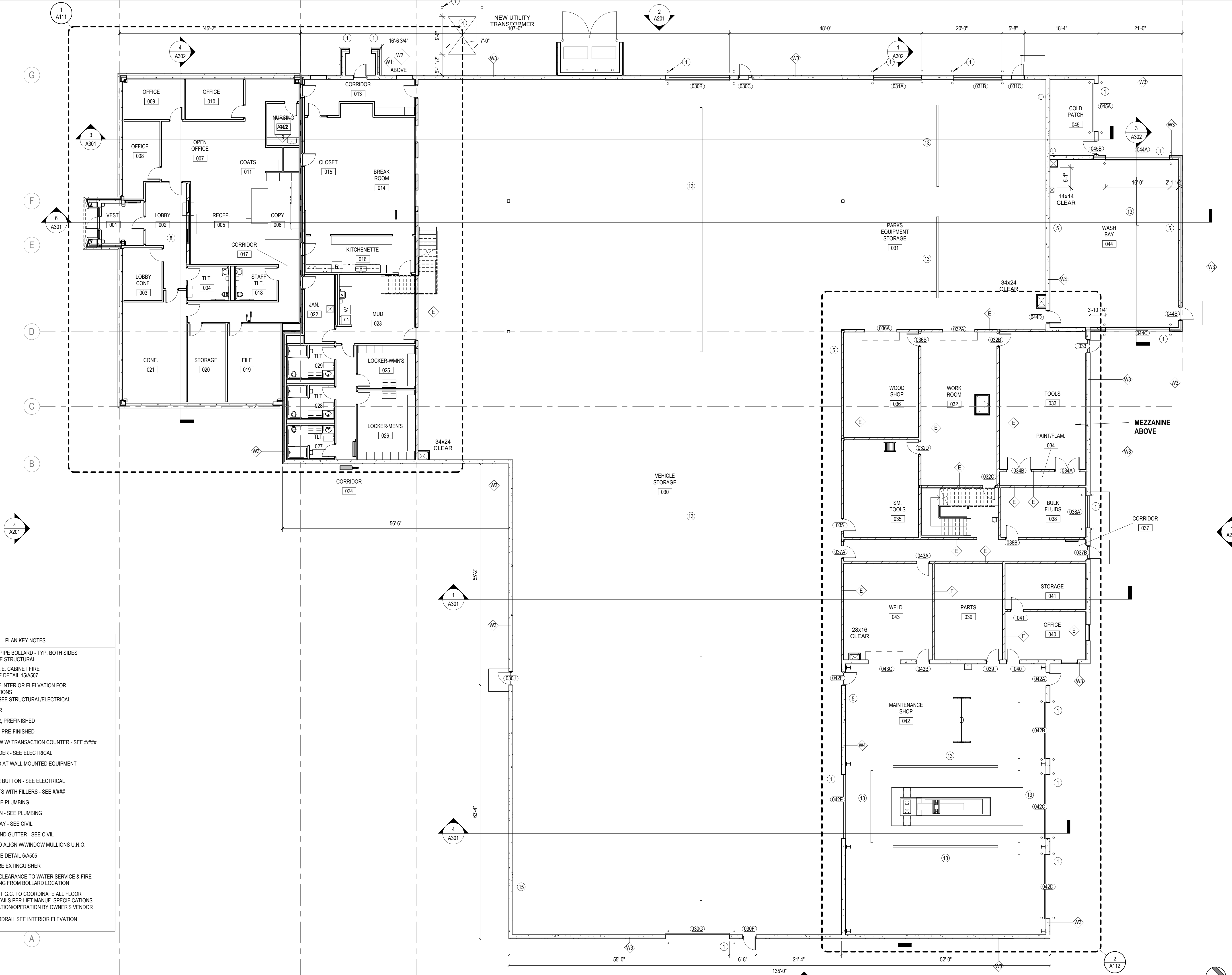
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REV. #	DESCRIPTION	DATE

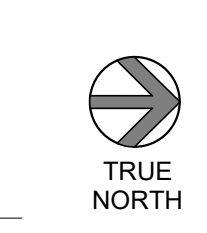
ARCHITECTURAL SITE PLAN

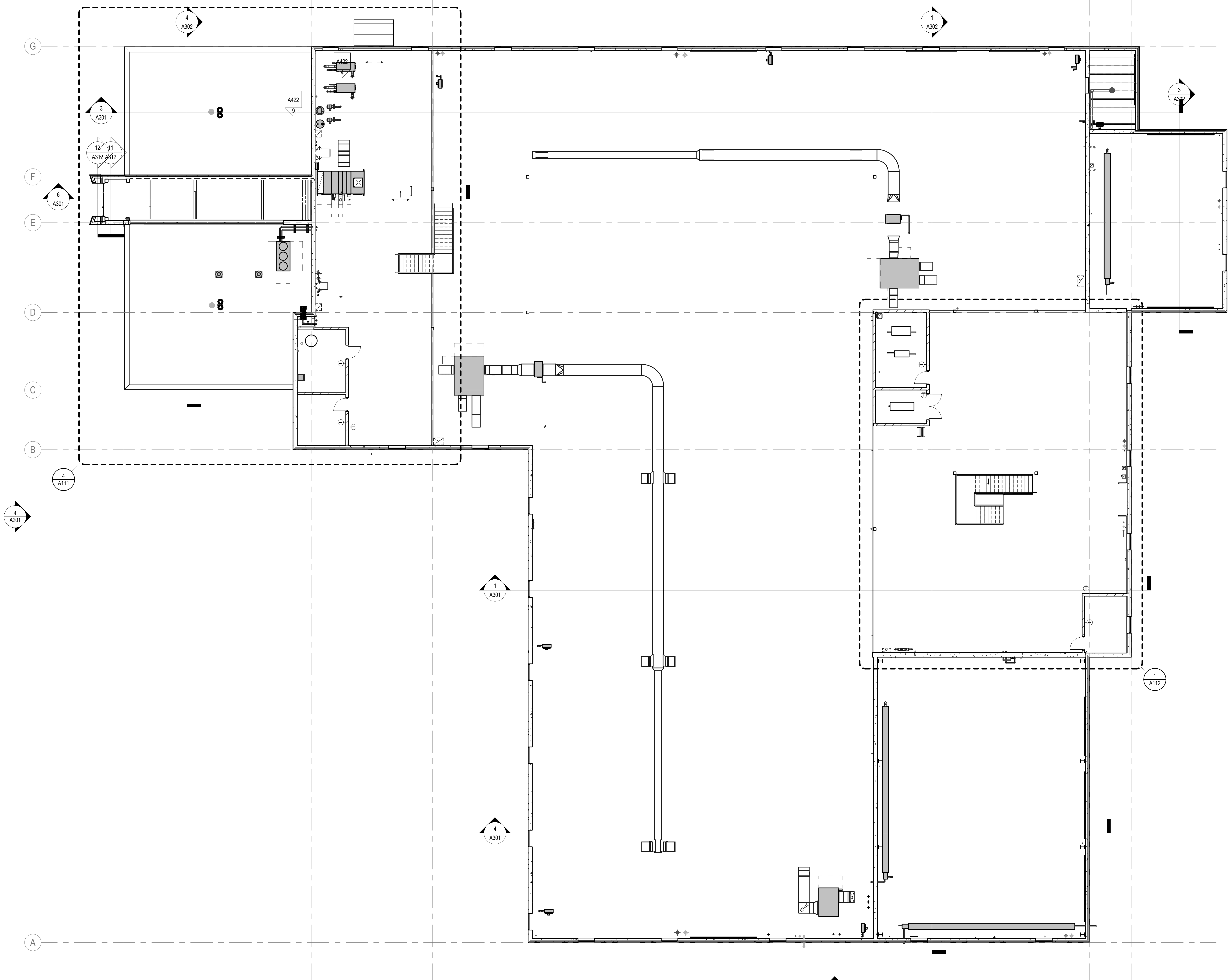


- PLAN KEY NOTES**
- 1 CONCRETE FILLED PIPE BOLLARD - TYP. BOTH SIDES OF O.H. DOORS. SEE STRUCTURAL
 - 2 SEMI - RECESSED F.E. CABINET FIRE EXTINGUISHER. SEE DETAIL 15/A507
 - 3 METAL RAILING SEE INTERIOR ELEVATION FOR REMOVEABLE SECTIONS
 - 4 CONCRETE SLAB - SEE STRUCTURAL/ELECTRICAL
 - 5 PRESSURE WASHER
 - 6 MTL. ROOF GUTTER, PREFINISHED
 - 7 MTL. DOWN SPOUT, PRE-FINISHED
 - 8 PASS THRU WINDOW W/ TRANSACTION COUNTER - SEE ###
 - 9 HOOK UP FOR WELDER - SEE ELECTRICAL
 - 10 PROVIDE BLOCKING AT WALL MOUNTED EQUIPMENT AND CABINETS
 - 11 ADA DOOR OPENER BUTTON - SEE ELECTRICAL
 - 12 MILLWORK CABINETS WITH FILLERS - SEE ###
 - 13 TRENCH DRAIN - SEE PLUMBING
 - 14 DRINKING FOUNTAIN - SEE PLUMBING
 - 15 CONCRETE WALKWAY - SEE CIVIL
 - 16 CONCRETE CURB AND GUTTER - SEE CIVIL
 - 17 INTERIOR WALLS TO ALIGN W/WINDOW MULLIONS U.N.O.
 - 18 SHIP'S LADDER - SEE DETAIL 6/A505
 - 19 WALL MOUNTED FIRE EXTINGUISHER
 - 20 PROVIDE MIN. 3'-0" CLEARANCE TO WATER SERVICE & FIRE SUPPRESSION PIPING FROM BOLLARD LOCATION
 - 21 DEPRESSURED LIFT PIT G.C. TO COORDINATE ALL FLOOR SLAB/PIT POUR DETAILS PER LIFT MANUF. SPECIFICATIONS FOR FULL INSTALLATION/OPERATION BY OWNER'S VENDOR
 - 22 BELOW STAIR GUARDRAIL SEE INTERIOR ELEVATION

1 FLOOR PLAN - LEVEL 1
 3/32" = 1'-0"

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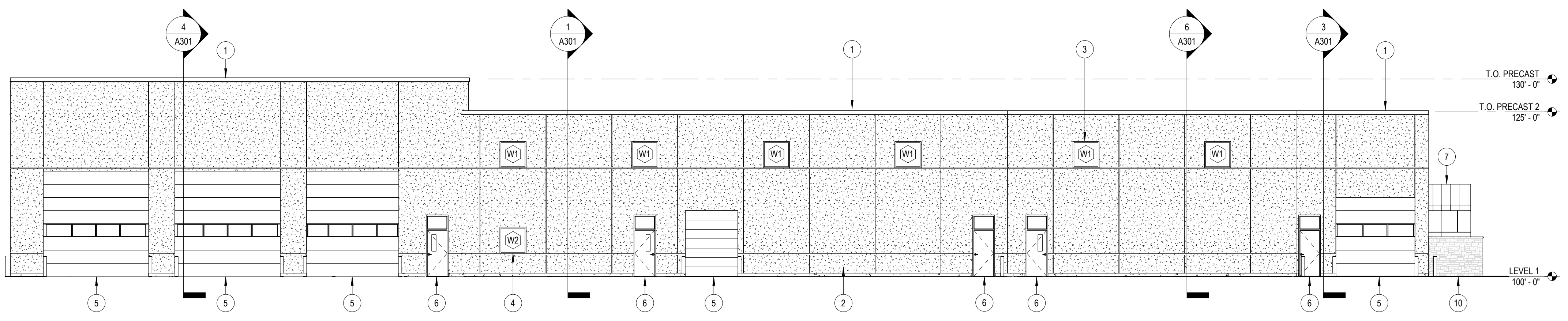


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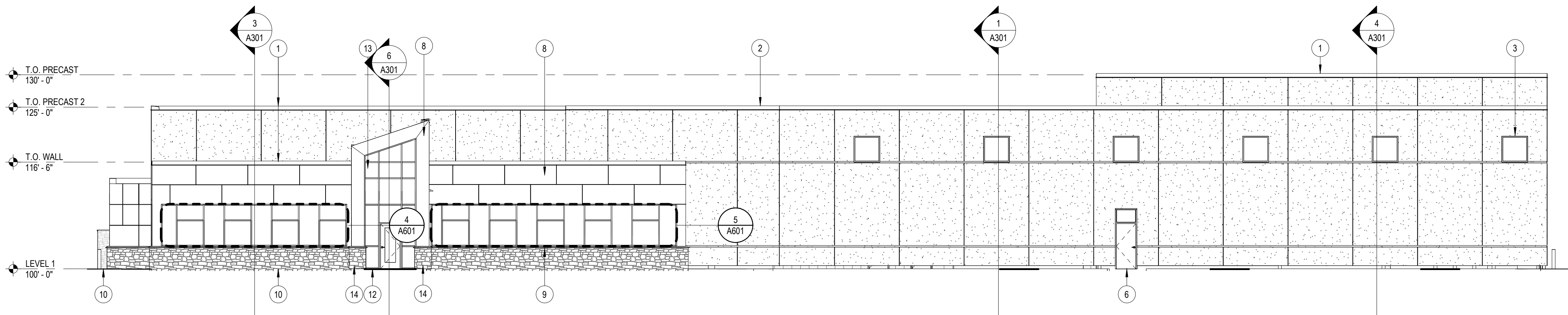
1
A102 **MEZZANINE**
3/32" = 1'-0"



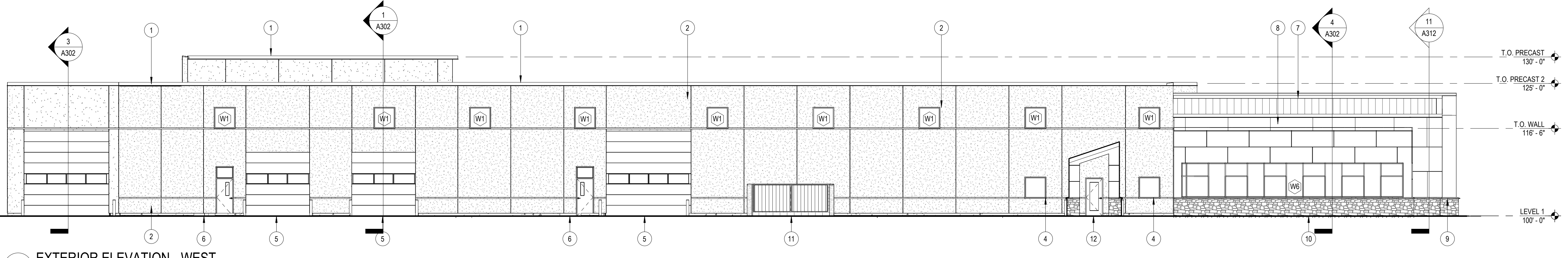
EXTERIOR ELEVATION FINISHES	
①	CONTINUOUS PERIMETER METAL PARAPET COPING - COLOR TO MATCH EXTERIOR COMPOSITE METAL PANELS
②	PRECAST CONC. WALL PANEL W/CAST-IN RECESSED BANDING. BASIS OF DESIGN: MOLINE COLOR: 3012-2 LEATHER LIGHT SANDBLAST ETCH/ LIGHT ETCH
③	POLYCARBONATE WINDOW UNIT (KAL WALL BASIS OF DESIGN) ALL WINDOWS DESIGNATED WITH W1
④	2" THERMALLY BROKEN ALUM. FRAMED WINDOW W/1" INSUL. GLASS. FACTORY PAINT FINISH TO MATCH METAL WALL PANEL & ALUM. STORE FRONT
⑤	INSULATED SECTIONAL OVERHEAD DOOR. SEE DOOR SCHEDULE FOR SIZE & TYPE
⑥	HOLLOW METAL DOOR (INSULATED) & FRAME. PAINT TO MATCH ALUM WINDOW FRAMES
⑦	STANDING SEAM METAL ROOF ON 6" NAIL BASE OVER COLD FORMED STEEL JOISTS. COLOR TO MATCH WALL PANELS
⑧	COMPOSITE ALUM. WALL PANEL. BASIS OF DESIGN ALFREXUSA.COM COLOR: CHARCOAL, PATRIOT RED
⑨	ARCH. PRECAST SILLS. BASIS OF DESIGN: CUSTOM STONE WORKS COLOR: FAWN TAN
⑩	BASE COURSE MASONRY BASIS OF DESIGN: COUNTY MATERIAL REFLECTION STONE COLOR: ENCHANTMENT
⑪	DUMPSTER ENCLOSURE SEE DETAILS SHEET A501
⑫	ALUM. STORE FRONT FRAMING & ENTRANCE DOOR. FACTORY FINISHED TO MATCH METAL WALL PANELS
⑬	ALUM. CURTAIN WALL FRAMING W/1" INSUL. GLAZING GLASS BASIS OF DESIGN: OLD CASTLE SOLARBAN 100VT COLOR: BRONZE TP-2
⑭	DATE STONE & TIME CAPSULE. SEE DETAIL 9/A503



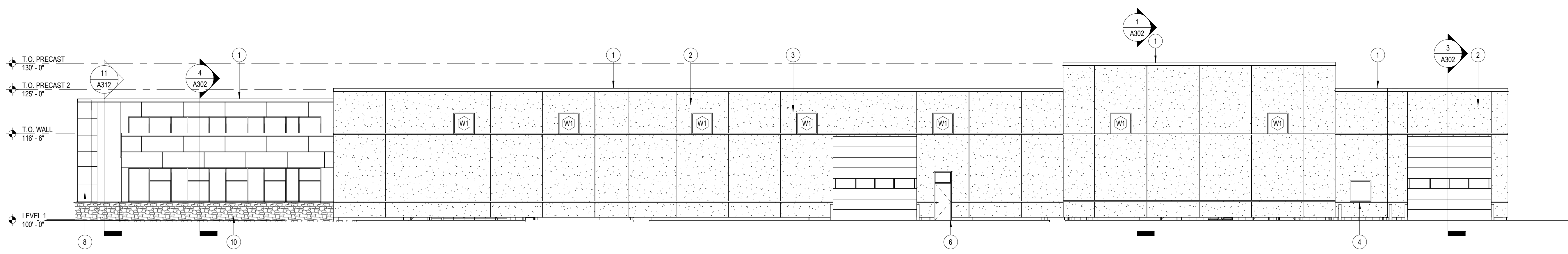
1
A201
3/32" = 1'-0"



4
A201
3/32" = 1'-0"

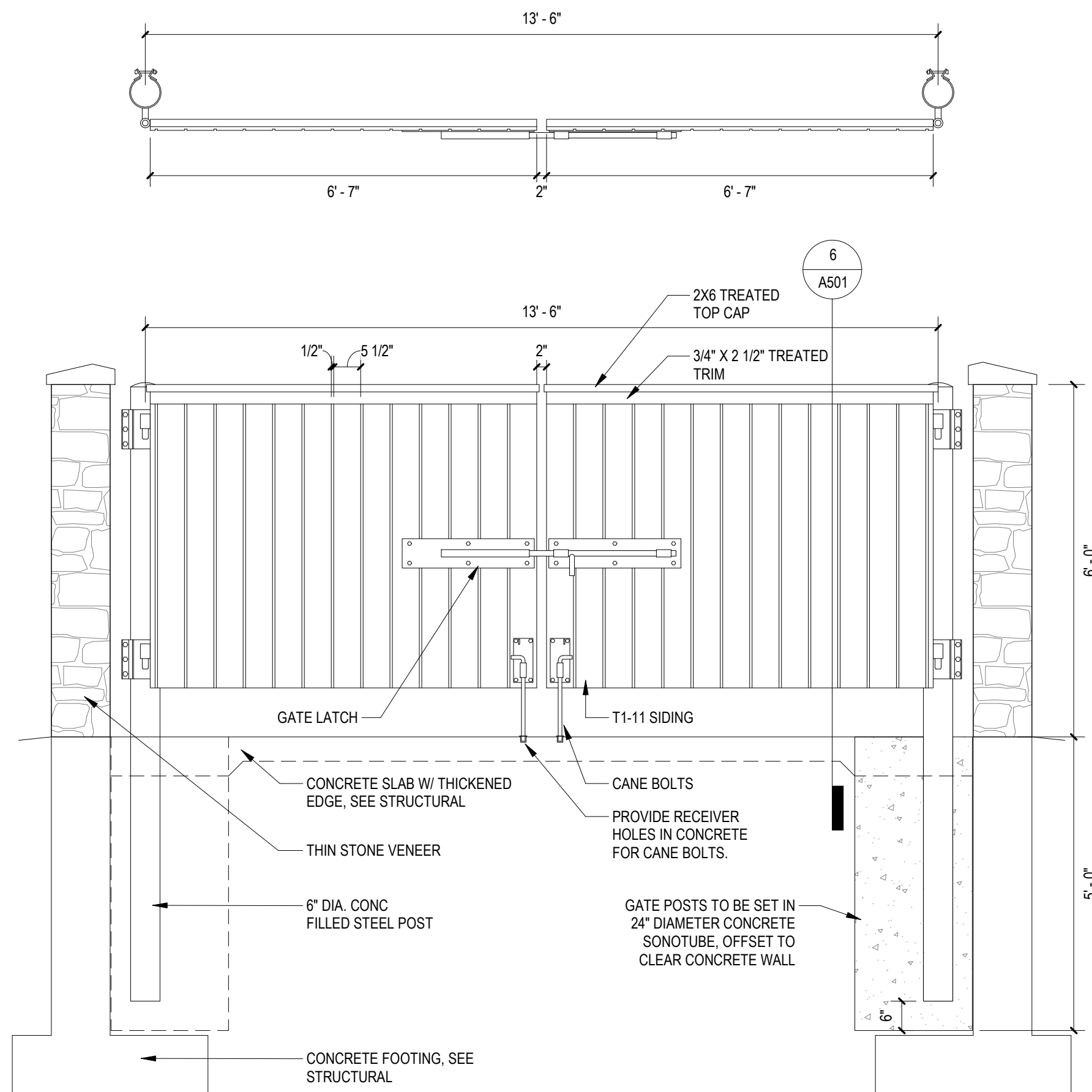


2
A201
3/32" = 1'-0"

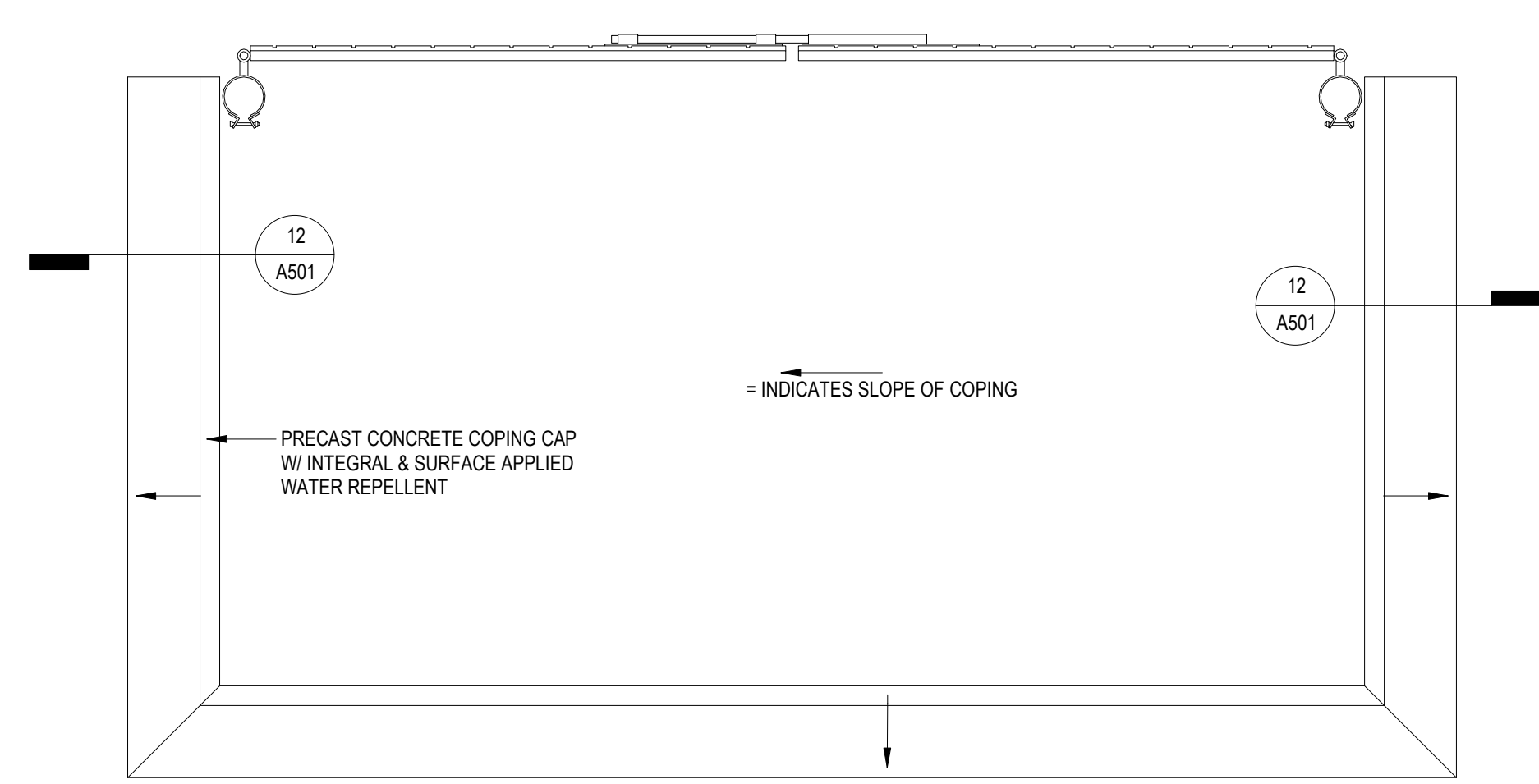


5
A201
3/32" = 1'-0"

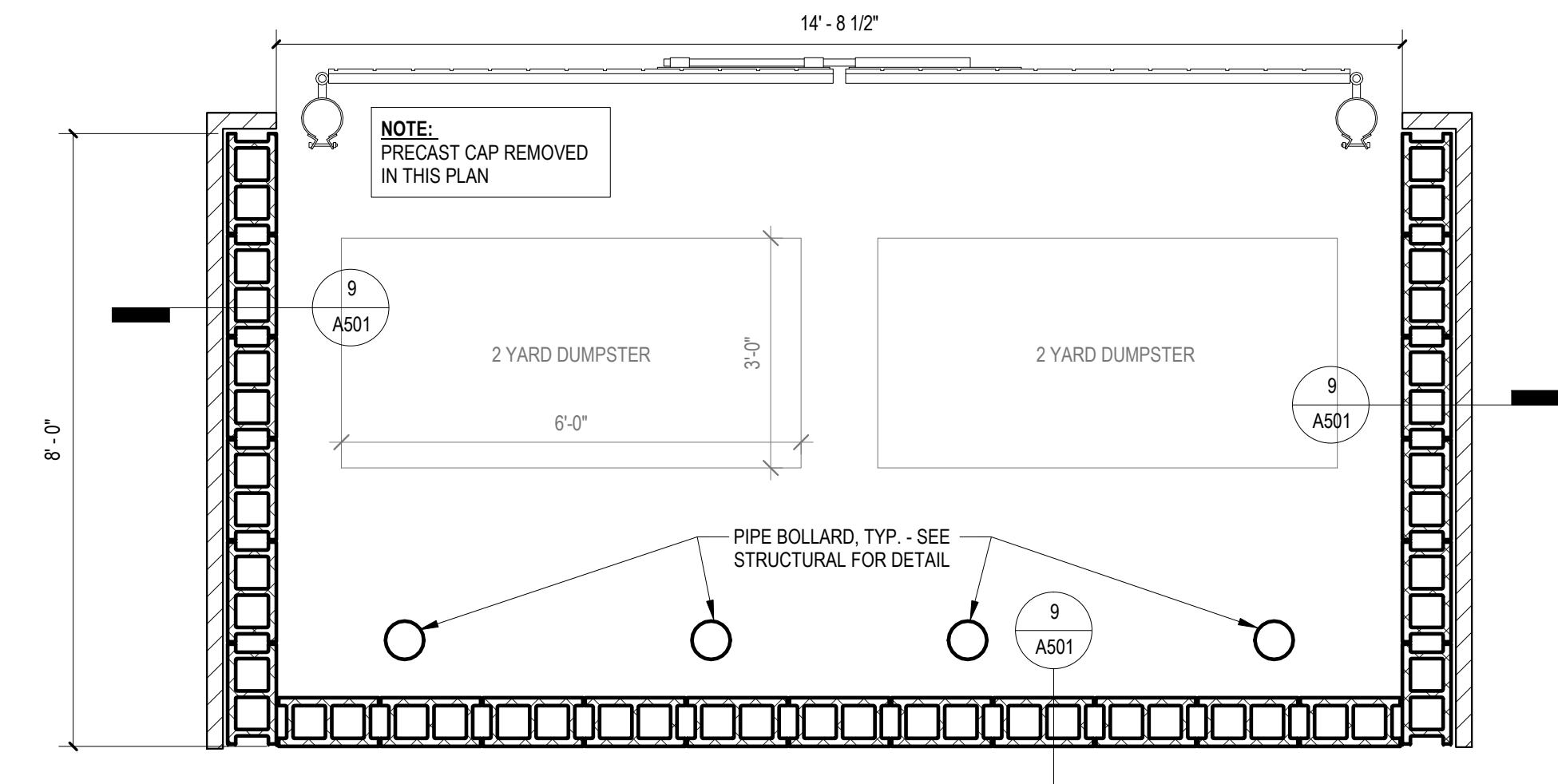
THIS BAR IS INTENDED TO BE 1" PRINTED AT FULL SCALE 1/2/2024 3:31:35 PM



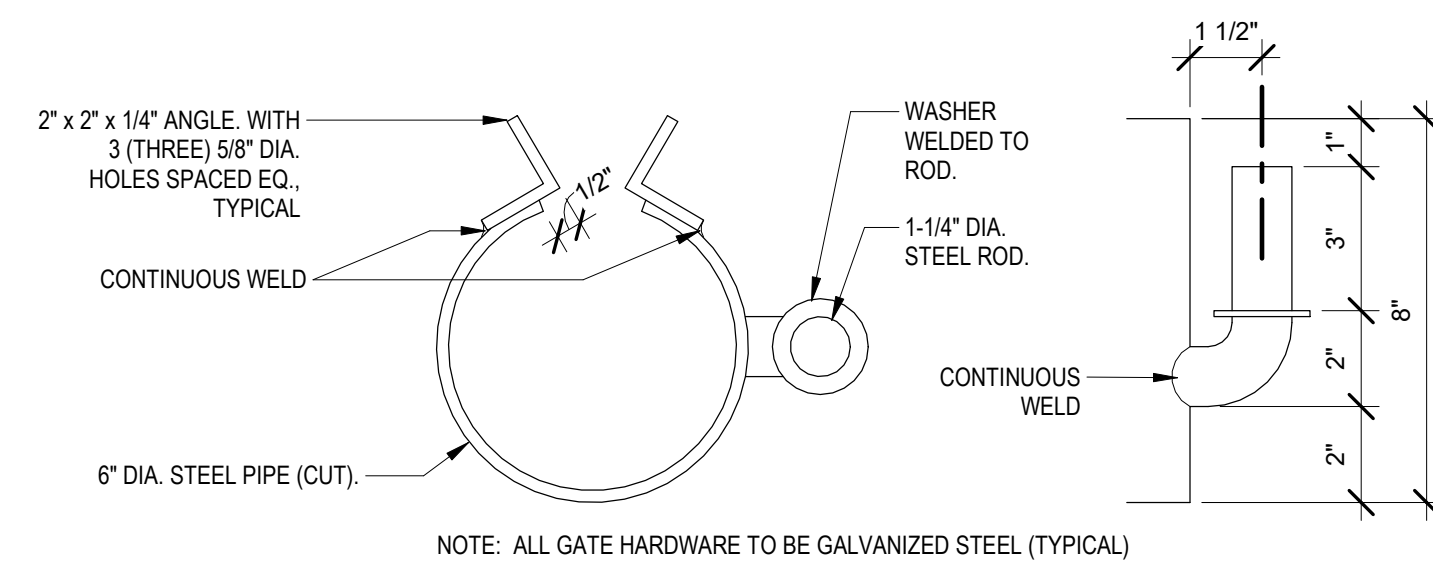
1 DUMPSTER ENCLOSURE - FRONT ELEVATION
A501 1/2" = 1'-0"



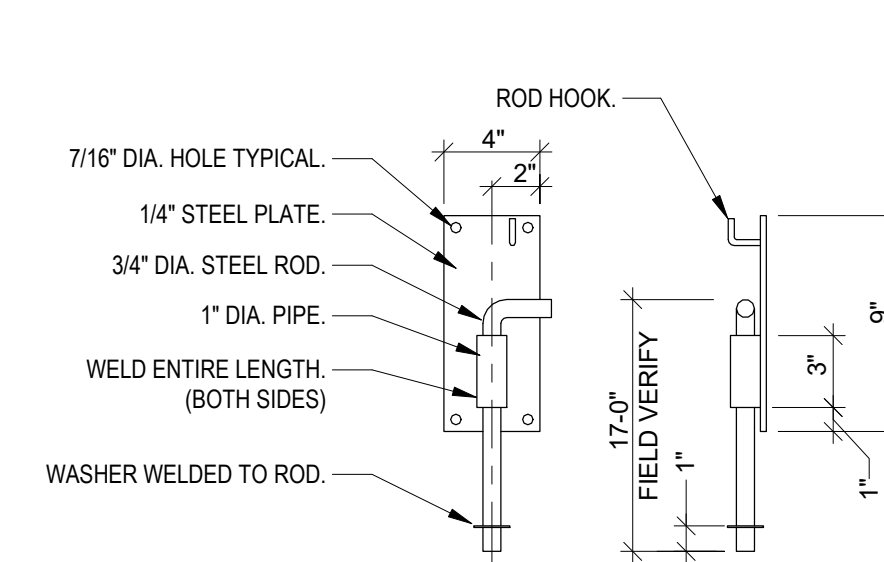
2 DUMPSTER ENCLOSURE CAP
A501 1/2" = 1'-0"



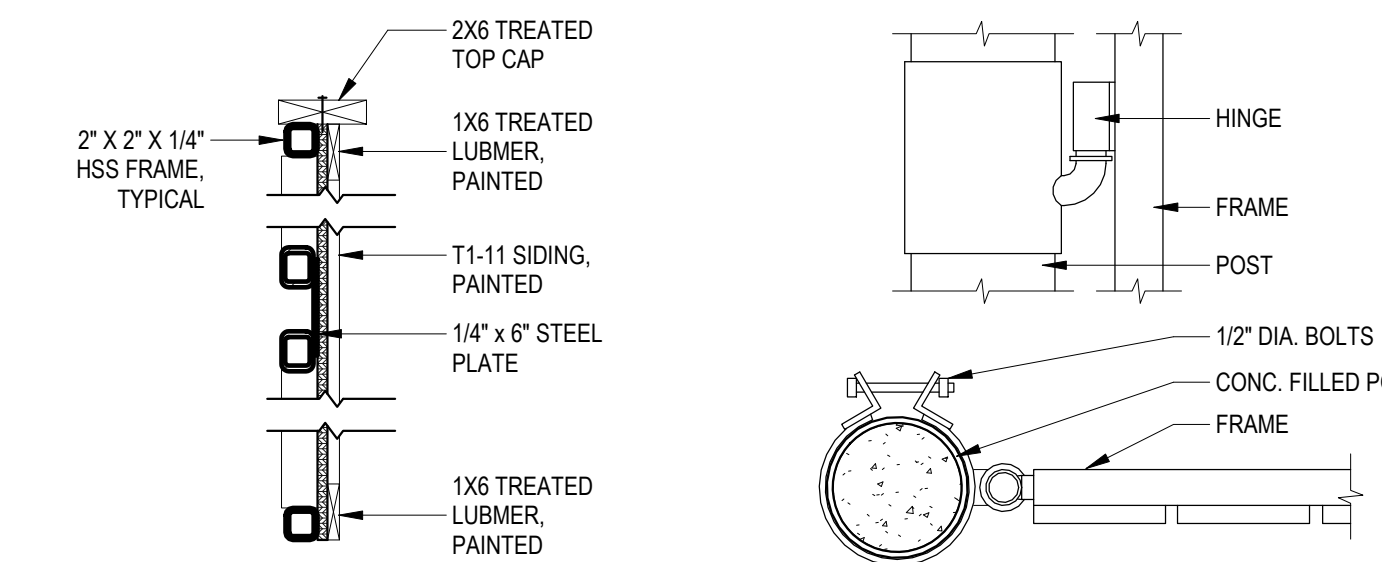
3 DUMPSTER ENCLOSURE - TOP
A501 1/2" = 1'-0"



4 HINGE DETAIL
A501 3" = 1'-0"

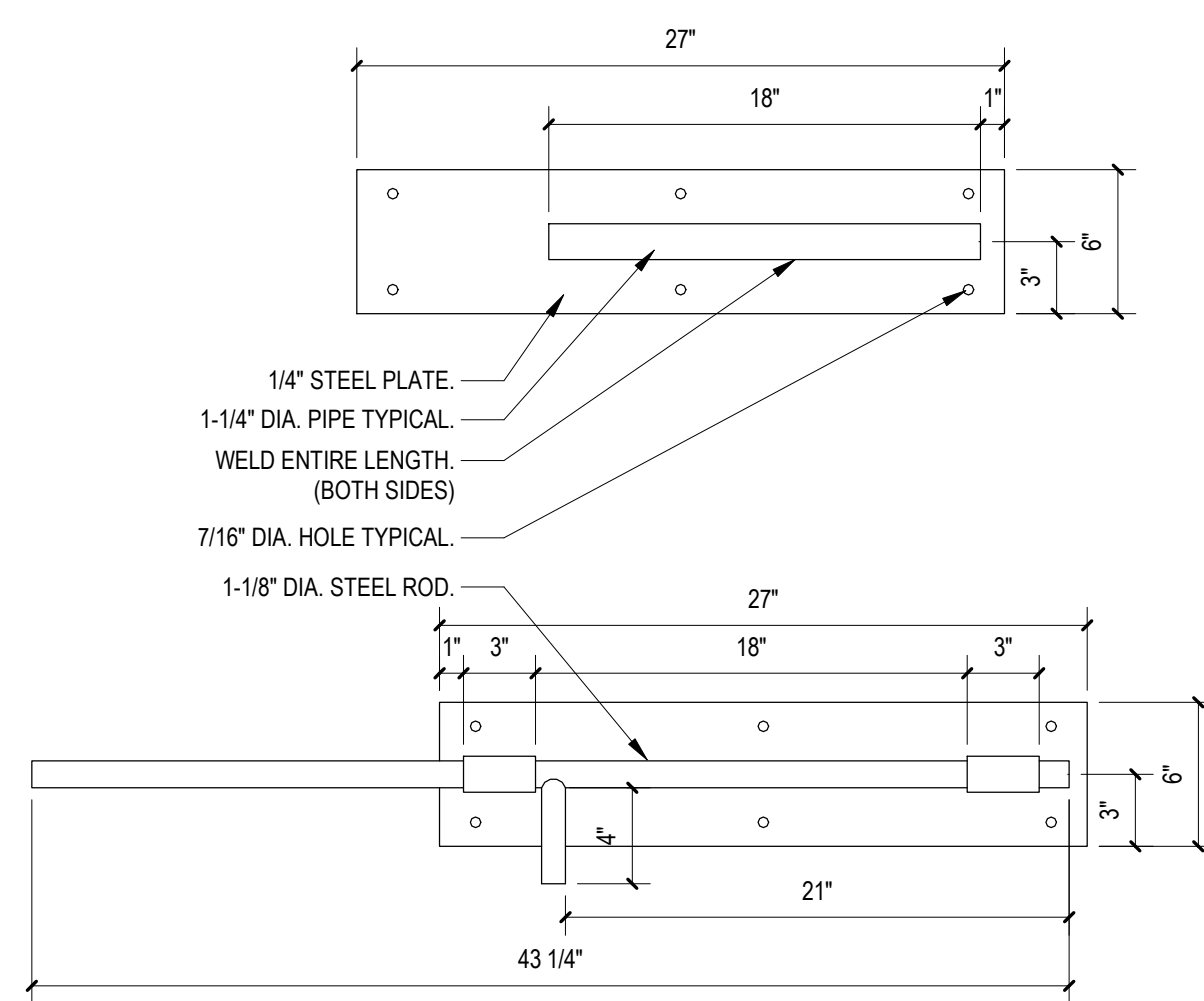


5 DUMPSTER DOOR - CANE BOLT DETAIL
A501 1 1/2" = 1'-0"

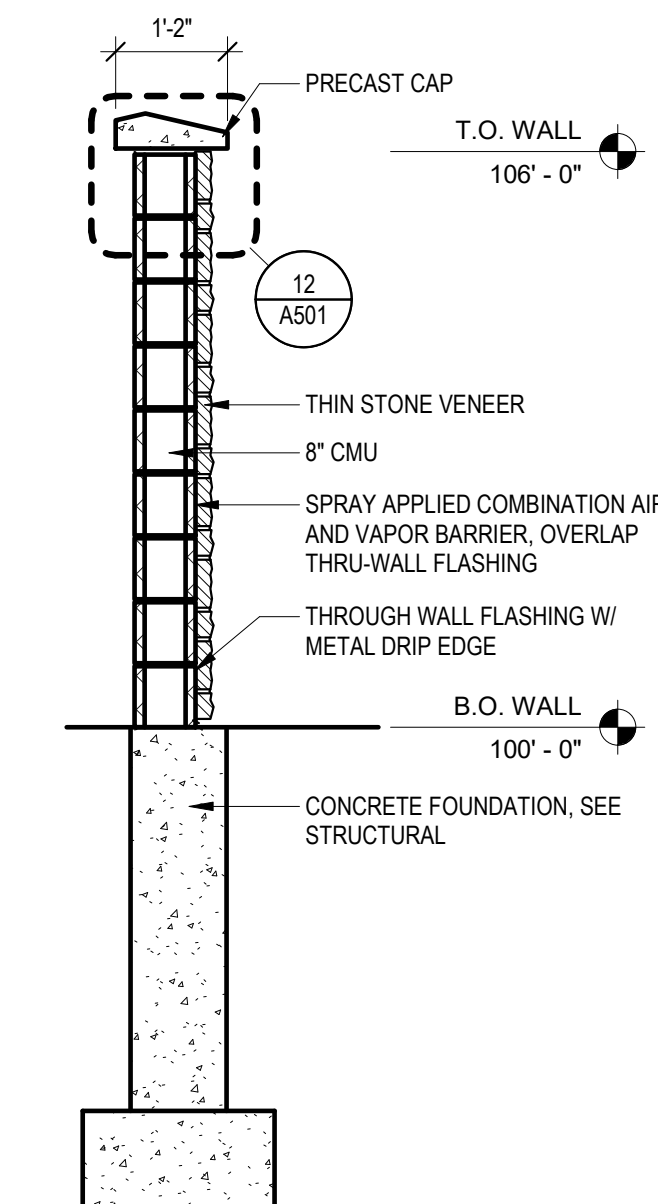


6 DUMPSTER GATE SECTION
A501 1" = 1'-0"

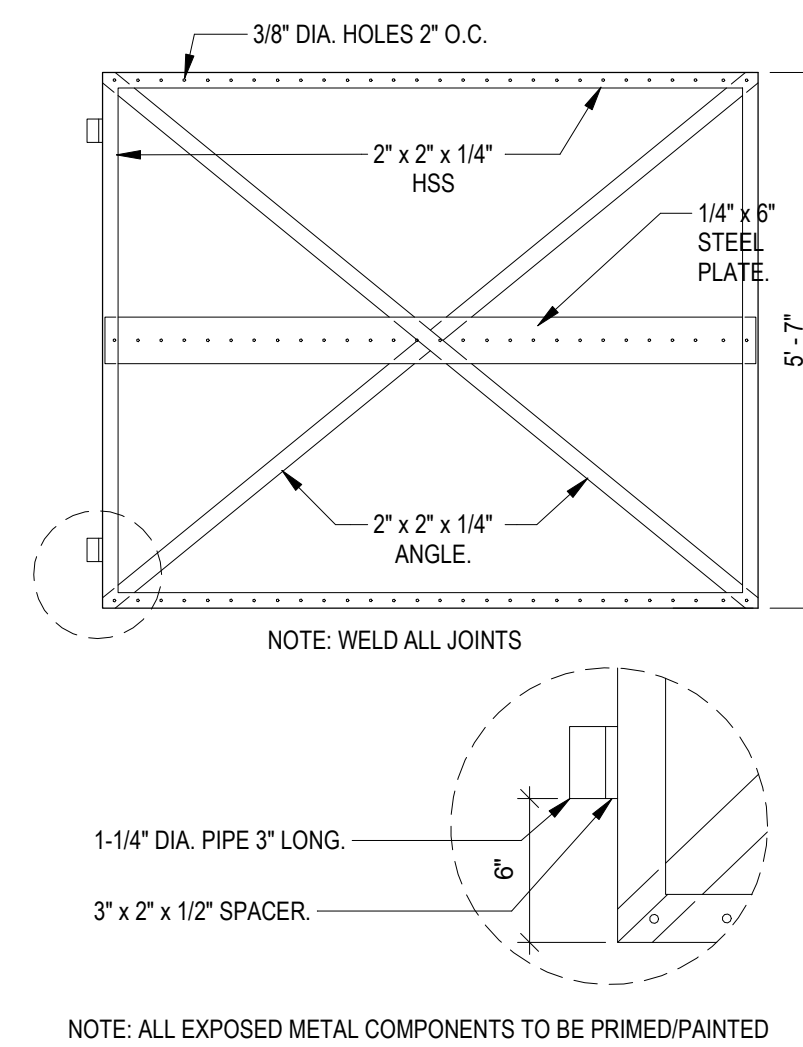
7 HINGE CONNECTION
A501 1 1/2" = 1'-0"



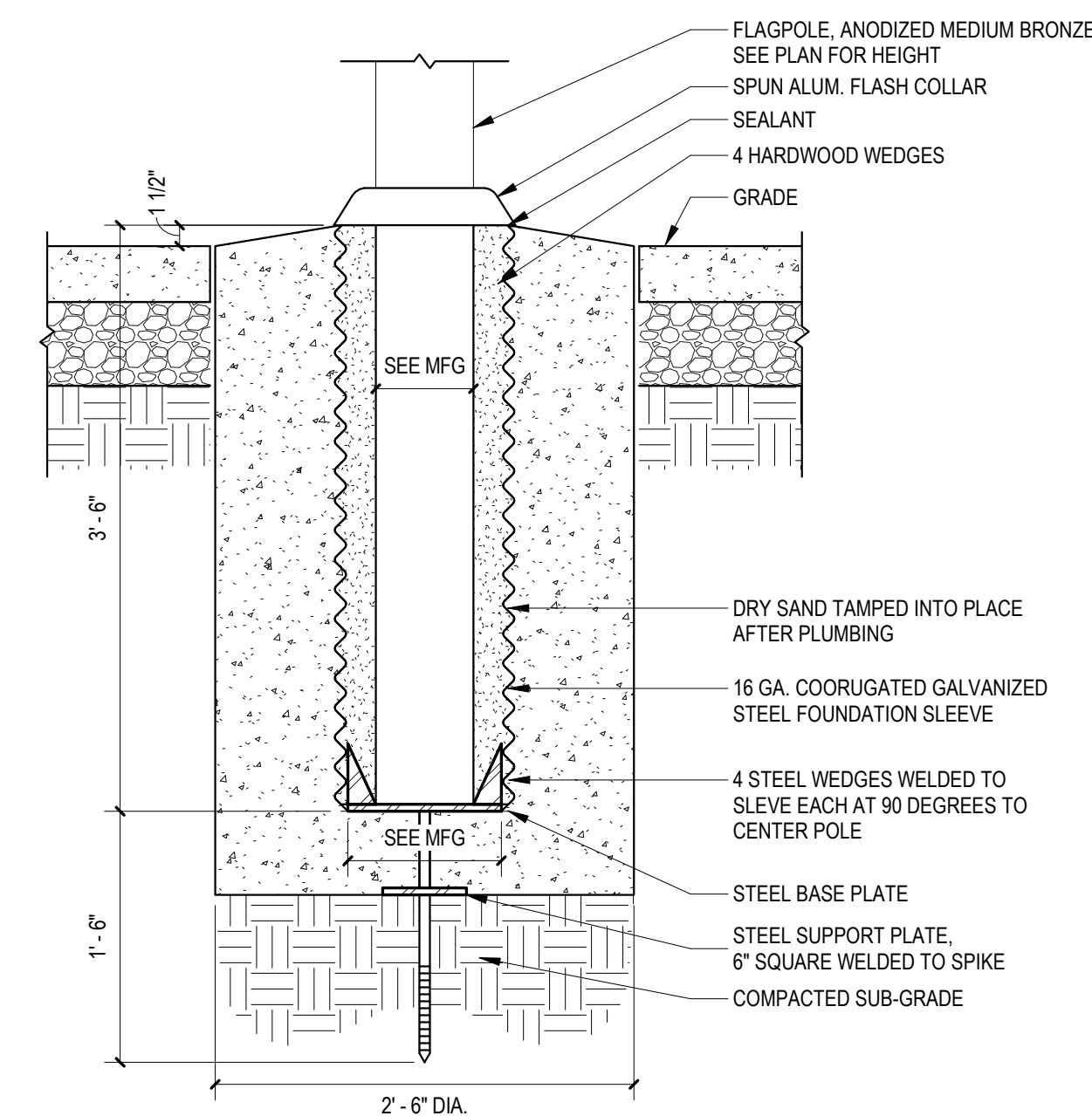
8 LATCH DETAIL
A501 1 1/2" = 1'-0"



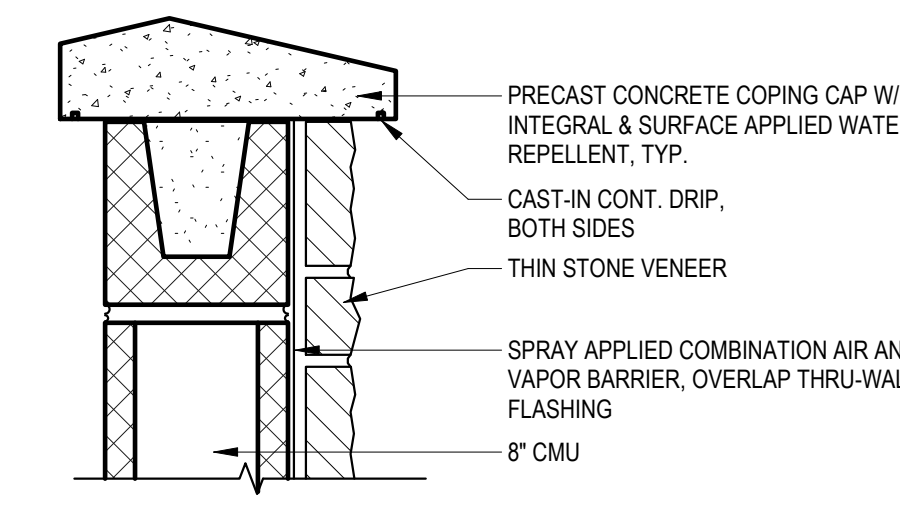
9 DUMPSTER SECTION
A501 1/2" = 1'-0"



10 GATE FRAME ELEVATION
A501 1/2" = 1'-0"



11 FLAG POLE BASE DETAIL
A501 1" = 1'-0"



12 TOP OF WALL DETAIL
A501 1 1/2" = 1'-0"



WEDGE1 LED

Architectural Wall Sconce



Catalog Number

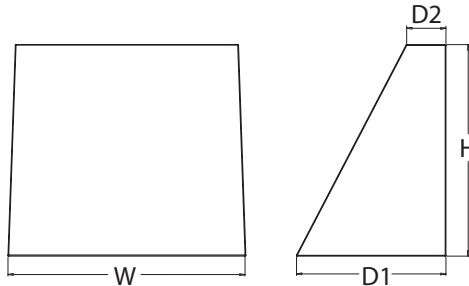
Notes

Type

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

Specifications

Depth (D1): 5.5"
Depth (D2): 1.5"
Height: 8"
Width: 9"
Weight: 9 lbs
 (without options)



Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WEDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WEDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

WEDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WEDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WEDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WEDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WEDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE1 LED	P0 P1 P2	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K ¹ 5000K	80CRI 90CRI	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 347 ²	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁵ Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry) Use when there is no junction box available.

Options	Finish
E4WH ³ Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min)	DDBXD Dark bronze
PE ⁴ Photocell, Button Type	DBLXD Black
DS Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)	DNAXD Natural aluminum
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD White
BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.	DSSXD Sandstone
BAA Buy America(n) Act Compliant	DDBTXD Textured dark bronze
DSLE Dual Switching (1 Driver, 2 Light Engines)	DBLTXD Textured black
	DNATXD Textured natural aluminum
	DWHGXD Textured white
	DSSTXD Textured sandstone



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WEDGE1 LED
 Rev. 11/16/23

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE1P8BW DDBXD U	WDGE1 surface-mounted back box (specify finish)

NOTES

- 50K not available in 90CRI.
- 347V not available with E4WH, DS, DSLE or PE.
- E4WH not available with PE or DS.
- PE not available with DS.
- Not qualified for DLC. Not available with E4WH.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	VF	693	99	0	0	0	718	103	0	0	0	739	106	0	0	0	759	108	0	0	0	764	109	0	0	0
		VW	694	99	0	0	0	720	103	0	0	0	740	106	0	0	0	760	109	0	0	0	766	109	0	0	0
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

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	Lumen Multiplier
0°C / 32°F	1.03
10°C / 50°F	1.02
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 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.

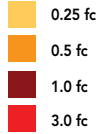
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91



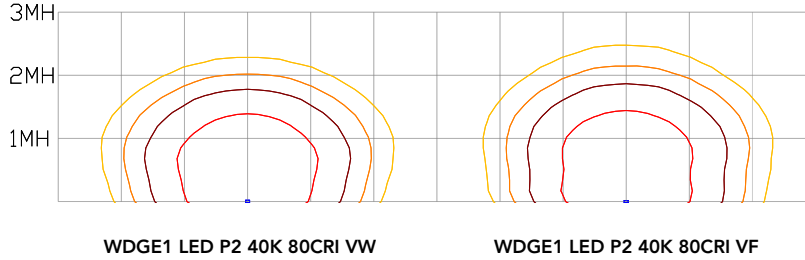
Photometric Diagrams

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

LEGEND



MH = 8ft
Grid = 8ft x 8ft



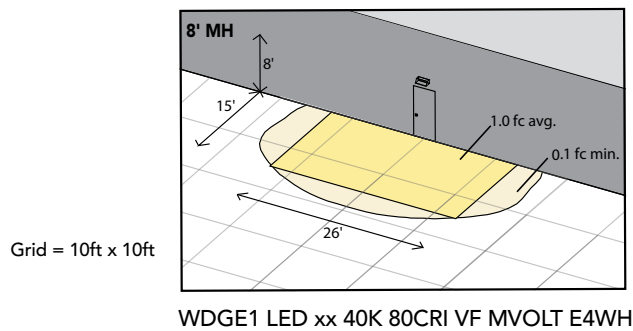
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

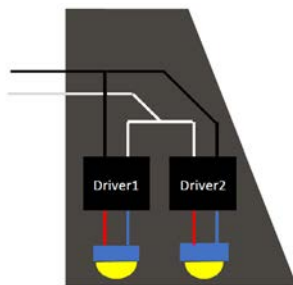
The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E4WH and VF distribution.



Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark.

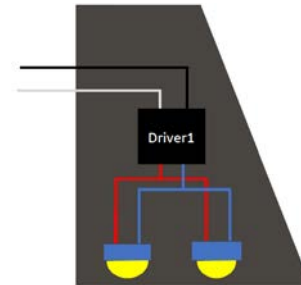
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Dual Switching Light Engine (DSLE) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with one driver and two light engines. These work completely independent to each other so that a failure of either light engine does not cause the whole luminaire to go dark.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





E4WH – 4W Emergency Battery Backup

D = 5.5"

H = 8"

W = 9"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"

H = 8"

W = 9"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or 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 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

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/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.



WDGE2 LED

Architectural Wall Sconce

Precision Refractive Optic



Catalog Number

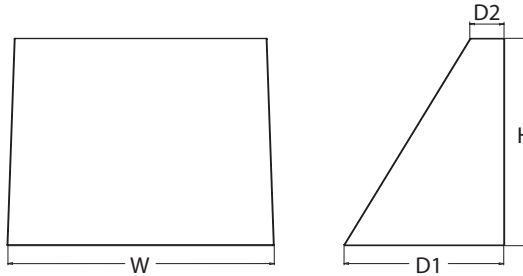
Notes

Type

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

Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs
(without options)



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0 ¹ P1 ² P2² P3 ² P4 ²	27K 2700K 30K 3000K 40K 4000K 50K 5000K AMB ³ Amber	70CRI⁴ 80CRI LW ³ Limited Wavelength	T1S Type I Short T2M Type II Medium T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT 347 ⁵ 480 ⁵	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶ Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options	Finish
E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	DDBXD Dark bronze
E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	DBLXD Black
PE⁷ Photocell, Button Type	DNAXD Natural aluminum
DMG⁸ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD White
BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.	DSSXD Sandstone
BAA Buy America(n) Act Compliant	DBBTXD Textured dark bronze
	DBL BXD Textured black
	DNATXD Textured natural aluminum
	DWHGXD Textured white
	DSSTXD Textured sandstone
Standalone Sensors/Controls	
PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	
PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching	
PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	
PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.	
Networked Sensors/Controls	
NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.	
NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.	
See page 4 for out of box functionality	



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WDGE2 LED
Rev. 11/21/22

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD W DGE 3/8inch Architectural Wall Spacer (specify finish)
 WDGE2P8BW DDBXD U W DGE2 surface-mounted back box (specify finish)

NOTES

- 1 PO option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 PE not available in 480V or with sensors/controls.
- 8 DMG option not available with sensors/controls.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)									
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G					
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1					
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1					
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1					
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1					
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1					
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1					
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1					
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1					
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2					
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2					



Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

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		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 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	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDG2 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

■	0.25 fc
■	0.5 fc
■	1.0 fc
■	3.0 fc

MH = 10ft
Grid = 10ft x 10ft



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

Motion/Ambient Sensor (PIR, PIRH)

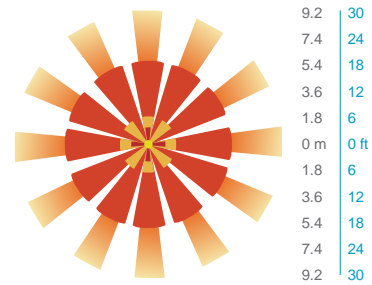
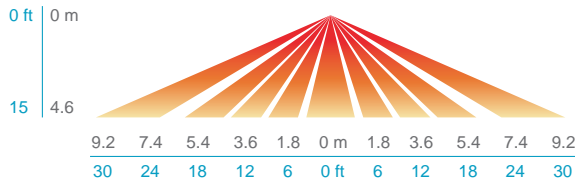
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

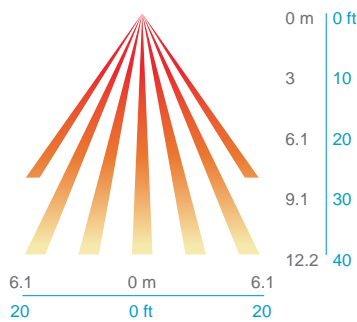
PIR

HIGH VIEW

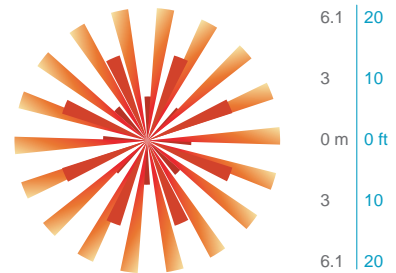


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



Motion/Ambient Sensor

D = 7"
 H = 9" (Standalone controls)
 11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
 W = 11.5"



PBBW – Surface-Mounted Back Box Use when there is no junction box available.

D = 1.75"
 H = 9"
 W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
 H = 4.4"
 W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or 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 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.

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

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/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.



D-Series Size 2 LED Wall Luminaire



d⁺series

Specifications Luminaire

Width: 18-1/2" (47.0 cm) **Weight:** 21 lbs (9.5 kg)

Depth: 10" (25.4 cm)

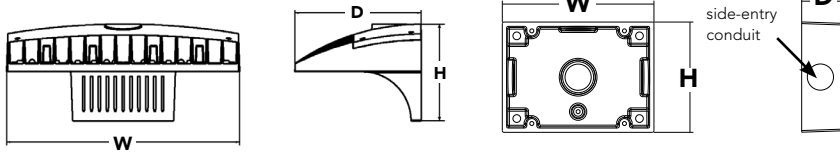
Height: 7-5/8" (19.4 cm)

Back Box (BBW)

Width: 5-1/2" (14.0 cm) **BBW Weight:** 1 lbs (0.5 kg)

Depth: 1-1/2" (3.8 cm)

Height: 4" (10.2 cm)



Catalog Number
Notes
Type

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

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DBBTXD

DSXW2 LED	Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW2 LED	20C	20 LEDs (two engines)	350 350 mA 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT³ 120 ⁴ 208 ⁴ 240 ⁴ 277 ⁴ 347 ^{4,5} 480 ^{4,5}	Shipped included (blank) Surface mounting bracket Shipped separately⁶ BBW Surface-mounted back box (for conduit entry)	Shipped installed PE Photoelectric cell, button type ⁷ PER NEMA twist-lock receptacle only (control ordered separately) ⁸ PER5 Five-wire receptacle only (control ordered separately) ^{8,9} PER7 Seven-wire receptacle only (control ordered separately) ^{8,9} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht ^{10,11} PIRH 180° motion/ambient light sensor, 15-30' mtg ht ^{10,11} PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{11,12} PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{11,12}

Other Options	Finish (required)
Shipped installed	
SF Single fuse (120, 277, 347V) ³	DDBXD Dark bronze
DF Double fuse (208, 240, 480V) ³	DBLXD Black
HS House-side shield ⁴	DNAXD Natural aluminum
SPD Separate surge protection ¹³	DWHXD White
Shipped separately¹³	
BSW Bird-deterrent spikes	DSSXD Sandstone
VG Vandal guard	DBBTXD Textured dark bronze
	DBLXD Textured black
	DNATXD Textured natural aluminum
	DWHGXD Textured white
	DSSTXD Textured sandstone



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁴
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁴
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁴
DSHORT SBK U	Shorting cap (Included when ordering PER, PERS or PER7) ¹⁴
DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW2VG U	Vandal guard accessory
DSXW2BBW	Back box accessory
DBBXD U	(specify finish)

For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- 1000mA is not available with AMBPC.
- AMBPC is not available with 1000mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Available with 30 LED/700mA options only (DSXW2 LED 30C 700). DMG option not available.
- Also available as a separate accessory; see Accessories information.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- Reference Motion Sensor table on page 3.
- Reference PER Table on page 3 for functionality.
- PIR and PIR1FC3V specify the [SensorSwitch SBGR-10-ODP](#) control; PIRH and PIRH1FC3V specify the [SensorSwitch SBGR-6-ODP](#) control; see [Motion Sensor Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7. Separate on/off required.
- See the electrical section on page 2 for more details.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item. See PER Table.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
(20 LEDs)	350 mA	25W	T2S	2,783	1	0	1	111	2,989	1	0	1	120	3,008	1	0	1	120
			T2M	2,709	1	0	1	108	2,908	1	0	1	116	2,926	1	0	1	117
			T3S	2,748	1	0	1	110	2,951	1	0	1	118	2,969	1	0	1	119
			T3M	2,793	1	0	1	112	2,999	1	0	1	120	3,018	1	0	1	121
			T4M	2,756	1	0	1	110	2,959	1	0	1	118	2,977	1	0	1	119
			TFTM	2,753	1	0	1	110	2,956	1	0	1	118	2,975	1	0	1	119
	530 mA	36W	T2S	4,030	1	0	1	112	4,327	1	0	1	120	4,354	1	0	1	121
			T2M	3,920	1	0	1	109	4,210	1	0	1	117	4,236	1	0	1	118
			T3S	3,978	1	0	1	111	4,272	1	0	1	119	4,299	1	0	1	119
			T3M	4,044	1	0	2	112	4,343	1	0	2	121	4,370	1	0	2	121
			T4M	3,990	1	0	1	111	4,284	1	0	1	119	4,310	1	0	1	120
			TFTM	3,987	1	0	1	111	4,281	1	0	1	119	4,308	1	0	1	120
	700 mA	47W	T2S	5,130	1	0	1	109	5,509	1	0	1	117	5,544	1	0	1	118
			T2M	4,991	1	0	2	106	5,360	1	0	2	114	5,393	1	0	2	115
			T3S	5,066	1	0	1	108	5,440	1	0	1	116	5,474	1	0	1	116
			T3M	5,148	1	0	2	110	5,529	1	0	2	118	5,563	1	0	2	118
			T4M	5,080	1	0	2	108	5,455	1	0	2	116	5,488	1	0	2	117
			TFTM	5,075	1	0	2	108	5,450	1	0	2	116	5,484	1	0	2	117
	1000 mA	73W	T2S	7,147	2	0	2	98	7,675	2	0	2	105	7,723	1	0	1	104
			T2M	6,954	2	0	2	95	7,467	2	0	2	102	7,514	2	0	2	103
			T3S	7,057	1	0	2	97	7,579	1	0	2	104	7,627	1	0	2	104
			T3M	7,172	2	0	3	98	7,702	2	0	3	106	7,751	2	0	3	106
			T4M	7,076	1	0	2	97	7,599	1	0	2	104	7,646	1	0	2	105
			TFTM	7,071	1	0	2	97	7,594	1	0	2	104	7,641	1	0	2	105
(30 LEDs)	350 mA	36W	T2S	4,160	1	0	1	116	4,467	1	0	1	124	4,494	1	0	1	125
			T2M	4,048	1	0	1	112	4,346	1	0	2	121	4,373	1	0	2	121
			T3S	4,108	1	0	1	114	4,411	1	0	1	123	4,438	1	0	1	123
			T3M	4,174	1	0	2	116	4,483	1	0	2	125	4,510	1	0	2	125
			T4M	4,119	1	0	1	114	4,423	1	0	2	123	4,450	1	0	2	124
			TFTM	4,115	1	0	1	114	4,419	1	0	1	123	4,446	1	0	1	124
	530 mA	54W	T2S	6,001	1	0	1	111	6,444	1	0	1	119	6,484	1	0	1	120
			T2M	5,838	1	0	2	108	6,270	2	0	2	116	6,308	2	0	2	117
			T3S	5,926	1	0	2	110	6,364	1	0	2	118	6,403	1	0	2	119
			T3M	6,023	1	0	2	112	6,467	1	0	2	120	6,507	1	0	2	121
			T4M	5,942	1	0	2	110	6,380	1	0	2	118	6,420	1	0	2	119
			TFTM	5,937	1	0	2	110	6,376	1	0	2	118	6,415	1	0	2	119
	700 mA	71W	T2S	7,403	2	0	2	104	8,170	2	0	2	115	8,221	2	0	2	116
			T2M	7,609	2	0	2	107	7,949	2	0	2	112	7,998	2	0	2	113
			T3S	7,513	1	0	2	106	8,068	1	0	2	114	8,118	1	0	2	114
			T3M	7,635	2	0	3	108	8,199	2	0	3	115	8,250	2	0	3	116
			T4M	7,534	1	0	2	106	8,089	1	0	2	114	8,140	1	0	2	115
			TFTM	7,527	1	0	2	106	8,082	2	0	2	114	8,134	2	0	2	115
	1000 mA	109W	T2S	10,468	2	0	2	96	11,241	2	0	2	103	11,311	2	0	2	104
			T2M	10,184	2	0	3	93	10,936	2	0	3	100	11,005	2	0	3	101
			T3S	10,335	2	0	2	95	11,099	2	0	2	102	11,169	2	0	2	102
			T3M	10,505	2	0	3	96	11,280	2	0	3	103	11,351	2	0	3	104
			T4M	10,365	2	0	2	95	11,129	2	0	2	102	11,198	2	0	2	103
			TFTM	10,356	2	0	2	95	11,121	2	0	3	102	11,190	2	0	3	103

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.



Performance Data

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		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	1.00
40°C	104°F	0.98

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	208V	240V	277V	347V	480V
20C	350	25 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	-	-
	1000	74 W	0.68	0.39	0.34	0.29	-	-
30C	350	36 W	0.33	0.19	0.17	0.14	-	-
	530	54 W	0.50	0.29	0.25	0.22	-	-
	700	71 W	0.66	0.38	0.33	0.28	0.23	0.16
	1000	109 W	1.01	0.58	0.50	0.44	-	-

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW2 LED 30C 1000** platform in a **25°C ambient**, based on 10,000 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	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*For use when motion sensor is used as dusk to dawn control

PER Table

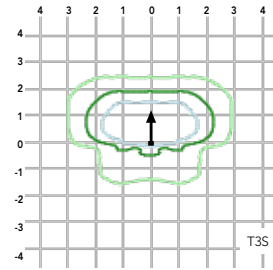
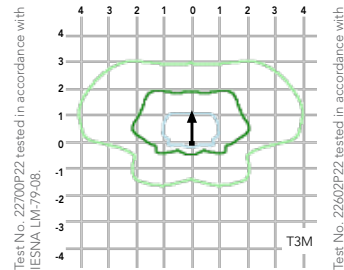
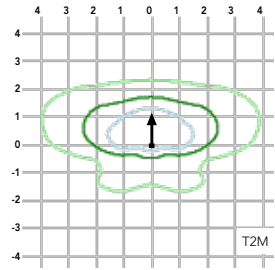
Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

-  Recommended
-  Will not work
-  Alternate

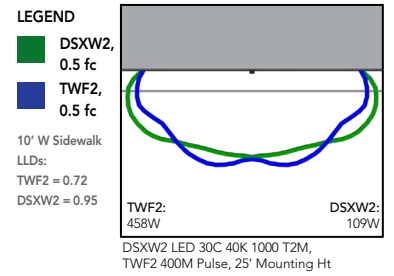
*Futureproof means: Ability to change controls in the future.

Isofootcandle plots for the DSXW2 LED 30C 1000 40K. Distances are in units of mounting height (25').

- LEGEND**
- 0.1 fc
 - 0.5 fc
 - 1.0 fc



Distribution overlay comparison to 400W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 2 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L87/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY

Five-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/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.



Fixture Type	Date
Job Name	Approved By
Catalog Number	

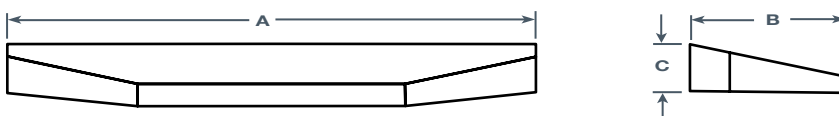


SPECIFICATIONS

Description	The Blade BLD combines a sleek, patent pending design shaped with high performance, full cut off optics to achieve unobtrusive illumination of a space or path of egress. When mounted over a doorway or mullion, the fixture is perceived as an element of the building structure, and, additionally, provides water protection in the form of a drip cap over the entranceway. Multiple lengths are available to match a given door opening and our quick-mount system facilitates installation and maintenance.
Housing	Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat.
Wall Mount	Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat. Designed to provide quick mounting to housing and secured with (2) captive stainless steel TORX® head screws.
Lens Frame	Marine grade heat treated extruded aluminum. Secured to fixture (4) captive stainless steel TORX® head screws.
Lens	Extruded UV stabilized opal polycarbonate with integral prisms. Maximum wall thickness 0.160". Secured to housing with die cast aluminum clamps and stainless steel TORX® head screws.
End Plate	Die-cast marine grade aluminum. Chemically primed and finished with robotically applied polyester powder coat.
Drivers	Dimming to 1%, 10% or Programable Lumen Output driver options. Non-Dimming Driver is also available.
LED	Samsung LM561B+ series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L70 projected life of over 130,000 hours at 50°C.
Gaskets	Closed cell self-adhesive neoprene to provide watertight seal between fixture and mounting surface.
UL Listing	U.L., C.U.L. Wet Location Listing standard.
Buy American Act	Luminaire LED, LLC products are assembled in the USA. Our products meet the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.
Warranty	Lifetime warranty, Luminaire LED incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80. 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.
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. The product images shown are for illustration purposes only and may not be an exact representation of the product. Specifications subject to change without notice.

DIMENSIONAL DATA

	A	B	C
BLD12	20.0"	5.6"	2.4"
BLD24	30.8"	5.6"	2.4"
BLD36	41.6"	5.6"	2.4"
BLD48	52.4"	5.6"	2.4"
BLD72	74.0"	5.6"	2.4"



ORDERING INFORMATION

Example: BLD 48IN MIN1 35W 27K 120 CLP WHT

Series*	Size (Nominal)* ¹	Drivers*	Dual Drivers	Wattage (Nominal) ¹	Lumens (For PRD Only)	
BLD Mullion Mountable Vandal Resistant Full Cut-off Path of Egress Luminaire	12IN ^{2,3}	MIN1 Dimming to 1%	2DRV ^{9,10} Two LED drivers for independent LED board operations.	5W 20W 55W	200LM - 6300LM - Lumens available in 100LM increments <i>Lumens required if PRD driver chosen</i>	
	24IN ^{4,5,6}	MIN10 Dimming to 10%		10W 30W		
	36IN ⁷	NODIM Non-Dimming Driver		15W 35W		
	48IN ⁸	PRD Driver Programmed to Specific Lumen Output Consult Factory		<i>Required for all drivers except PRD driver</i>		
	72IN	<i>PRD not available with Wattage PRD standard 0-10V dimming to 1%</i>				

CCT*	Voltage*	Lens*	Finish*
27K 2700K	120 120 Volt	DP Diffused Polycarbonate	BLK Black
30K 3000K	277 277 Volt		WHT White
35K 3500K	MVOLT 120-277 Volt		BRZ Bronze
40K 4000K	347 ^{9,11,12} 347 Volt		GRY Gray
50K 5000K			SIL Silver
			CUST Custom Color, Consult Factory
			RALTBD Ral Paint finishes
			RALTBD for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options

BY ARCHITECT

*Required

OPTIONS

Emergency ¹³			
EMB310	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). 1000 lumens	EMB20R ^{15,16}	Remote mounted micro inverter that will operate a 25W maximum load for 90 min. 0°C (32°F) to 45°C (113°F)
EMB310ST	Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F) Meets CA Title 20 Standards. 1000 lumens	EMB125R ¹⁶	Remote inverter that will operate a maximum 125W load for 90 min. 20°C (68°F) to 30°C (86°F)
EMB310T20	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 standards. 1000 lumens	EMB250R ¹⁶	Remote inverter that will operate a 250W maximum load for 90 min. 20°C (68°F) to 30°C (86°F)
EMB10ST	Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F) Meets CA Title 20 Standards. 1000 lumens		
EMBDA ^{14,19}	Two drivers and two emergency battery packs self-contained within fixture for independent light engine operation. Each battery pack will operate each light engine for a minimum of 90 minutes		

Knockout	Fusing	Photocell	Sensors	Hardware
K02 Optional mouse hole in both end caps for accessing 1/2" knockout	GLR ¹⁷ Fuse and Fuse Holder	PC ^{11,17} Photoelectric Switch	PIR ¹⁸ Passive Infrared Occupancy Sensor/Daylight Harvesting Photocell. Maximum coverage 10' radius from 8' height. PIR50 ^{9,18,19} Passive Infrared Occupancy Sensor/Daylight Harvesting Photocell. Maximum coverage 10' radius from 8' height. 50% of LED's constantly on and 50% sensed on/off <i>RCHRC required for Field Adjustable Settings</i>	PHSC Phillips Head instead of TORX® head

Ordering Notes

- See Size and Wattage Chart
- Not available with EMB10ST, EMB310, EMB310ST, or EMB310T20
- 12IN with MIN1 or PRD; Not available with PIR
- Not available with MIN1 or PRD and EMB10ST, EMB310, EMB310ST, or EMB310T20
- Not available with 2DRV and PIR or PIR50
- Not available with PIR or PIR50 and EMB10ST, EMB310, EMB310ST, or EMB310T20
- 36IN with MIN1 or PRD; Not available with 2DRV and EMB10ST, EMB310, EMB310ST, EMB310T20
- 48IN with MIN1 or PRD; Not available with 2DRV and PIR or PIR50 and EMB10ST, EMB310, EMB310ST, or EMB310T20
- Not available with 12IN
- 24IN with 2DRV; Not available with EMB10ST, EMB310, EMB310ST, or EMB310T20
- Not available with PIR or PIR50
- Not available in 24IN with 2DRV
- Not available with 347
- Only available in 72IN
- Not available with Wattage or 25W or PRD
- Not available with MVOLT
- Not available with MVOLT or 347
- Not available with EMB20R, EMB125R, EMB250R
- Must include 2DRV

Accessories: Order as separate catalog number.

TXSD	TORX® Screwdriver Bit <i>Initial shipment includes one (1) TXSD per fixture</i>
RCHRC	Remote Control for Field Adjustable Sensor Settings <i>One (1) RCHRC per Job for PIR/PIR50 Sensor. Optional</i>

SIZE & WATTAGE CHART

Size	Wattage
12IN	5W 10W
24IN	10W 20W
36IN	15W 30W
48IN	20W 35W
72IN	30W 55W

SIZE & LUMEN CHART (For PRD)

Size	Lumen Range
12IN	200LM - 1000LM
24IN	400LM - 2100LM
36IN	600LM - 3100LM
48IN	800LM - 4100LM
72IN	1200LM - 6300LM

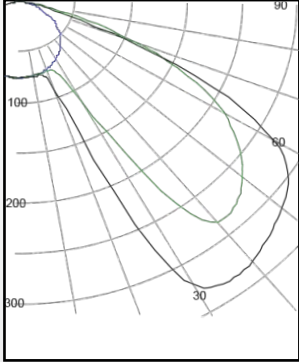
PHOTOMETRIC DATA

Model	Watts	Input Watts	Delivered Lumens				
			2700K	3000K	3500K	4000K	5000K
BLD 12IN	5W	6.5W	447	452	461	476	490
BLD 12IN	10W	11.8W	875	885	903	931	958
BLD 24IN	10W	10.6W	962	973	993	1024	1055
BLD 24IN	20W	21.3W	1885	1907	1946	2006	2066
BLD 36IN	15W	14.7W	1444	1461	1491	1537	1583
BLD 36IN	30W	29.6W	2828	2860	2919	3009	3099
BLD 48IN	20W	19.6W	1926	1948	1987	2049	2111
BLD 48IN	35W	36.4W	3770	3812	3890	4011	4132
BLD 72IN	30W	29.4W	2969	3003	3064	3159	3254
BLD 72IN	55W	57.1W	5789	5855	5974	6184	6345
BLD xxIN	PRD		Programmable Driver. Must Specify Lumens in Ordering Information, see Chart above.				

PHOTOMETRIC DATA

MODEL: BLD 12IN 5W 40K

Delivered Lumens: 476 Lumens



IES FILE: BLD 12IN 5W 40K

Total Power: 7W

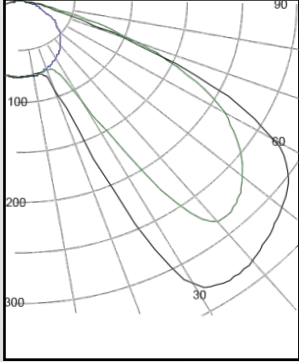
Testing was performed in accordance with IES LM-79-08

Bug Rating: B0U0G1

Zone	Lumens	% Luminaire
0 - 30	69	14.5
0 - 40	149	31.1
0 - 60	359	75.5
60 - 90	117	24.5
0 - 90	476	100.0
90 -180	0	0.0
0 - 180	476	100.0

MODEL: BLD 36IN 15W 40K

Delivered Lumens: 1537 Lumens



IES FILE: BLD 36IN 15W 40K

Total Power: 14.7W

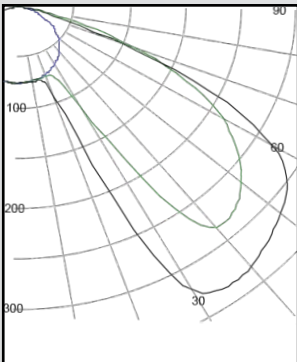
Testing was performed in accordance with IES LM-79-08

Bug Rating: B0U0G1

Zone	Lumens	% Luminaire
0 - 30	377	124.5
0 - 40	640	41.6
0 - 60	1219	79.3
60 - 90	317	20.7
0 - 90	1537	100.0
90 -180	0	0.0
0 - 180	1537	100.0

MODEL: BLD 36IN 30W 40K

Delivered Lumens: 3009 Lumens



IES FILE: BLD 36IN 30W 40K

Total Power: 29.6W

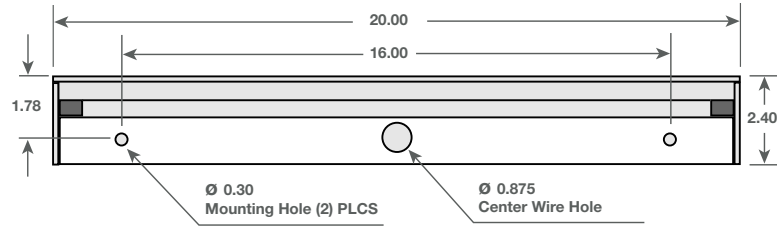
Testing was performed in accordance with IES LM-79-08

Bug Rating: B1U0G1

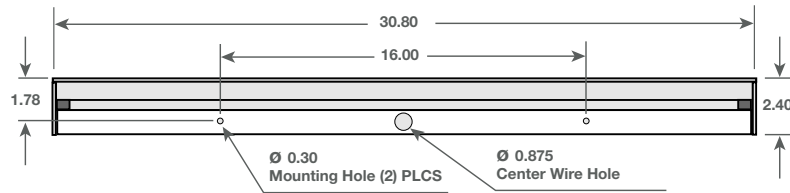
Zone	Lumens	% Luminaire
0 - 30	739	24.6
0 - 40	1253	41.6
0 - 60	2387	79.3
60 - 90	622	20.7
0 - 90	3009	100.0
90 -180	0	0.0
0 - 180	3009	100.0

MOUNTING PLATE DETAILS

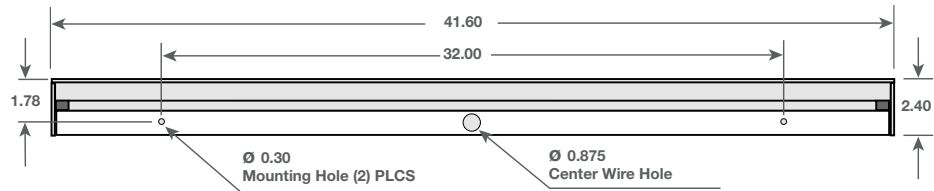
BLD12



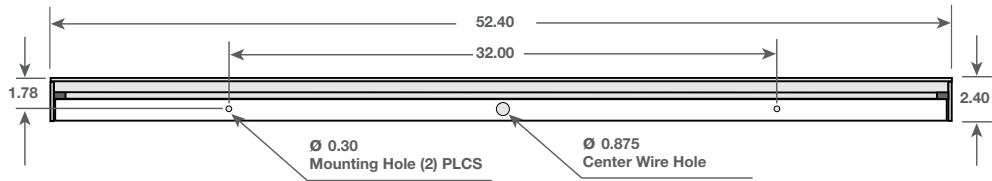
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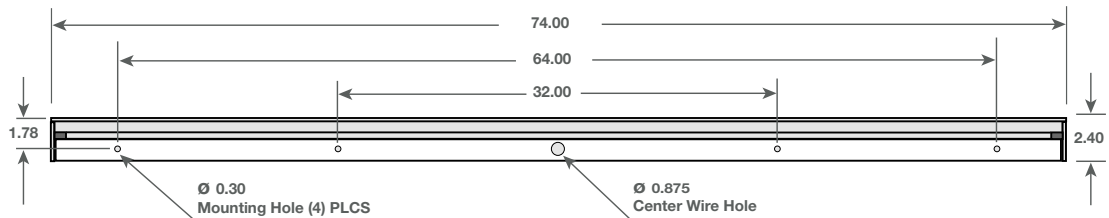
BLD36



BLD48



BLD72



Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
[Symbol]	H1	2	Lithonia Lighting	WDGE1 LED P0 40K 80CRI VW	WDGE1 LED WITH P0 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT WIDE OPTIC	1	760	0.9	6.7947
[Symbol]	H2	13	Lithonia Lighting	WDGE2 LED P2 40K 80CRI T3M	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 80CRI, TYPE 3 MEDIUM OPTIC	1	2062	0.9	18.9815
[Symbol]	H4	9	Lithonia Lighting	DSXW2 LED 20C 1000 40K TFTM MWOLT	DSXW2 LED WITH 2 LIGHT ENGINES, 20 LED's, 1000mA DRIVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	1	7593	0.9	73
[Symbol]	H5	1	Luminaire LED	BLD 36IN 15W 40K DP	Catalog Number: BLD36-15W 4000K2 Surface wall mounted, extruded and cast aluminum housing, formed white enamel aluminum reflector, clear lightly frosted plastic enclosure, 108 white LEDs, three Luminaire LED MP-LED-AMC Rev 3.0C boards with 36 LEDs per board, One ULT Everline D700CC30UNVW-C LED driver labeled as 470mA, 120.0Vvac, 60.00Hz, 0.1316A, 14.68W, 0.929PF, 11.6%THD(I)	1	1537	0.9	14.7

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Outside Property Boundary		0.0 fc	0.4 fc	0.0 fc	N/A	N/A
SITE-UTILITY PROPERTY ?		0.1 fc	1.1 fc	0.0 fc	N/A	N/A
SITE-VILLAGE OF KIMBERLY PROPERTY		1.1 fc	7.7 fc	0.0 fc	N/A	N/A

SITE - UTILITY PROPERTY ?

SITE - VILLAGE OF KIMBERLY PROPERTY

NEW MUNICIPAL SERVICE CENTER

THE LIGHT EMITTED FROM THE EXISTING FIXTURE LOCATED ON THE SALT STORAGE GARAGE IS A CALCULATED ESTIMATE

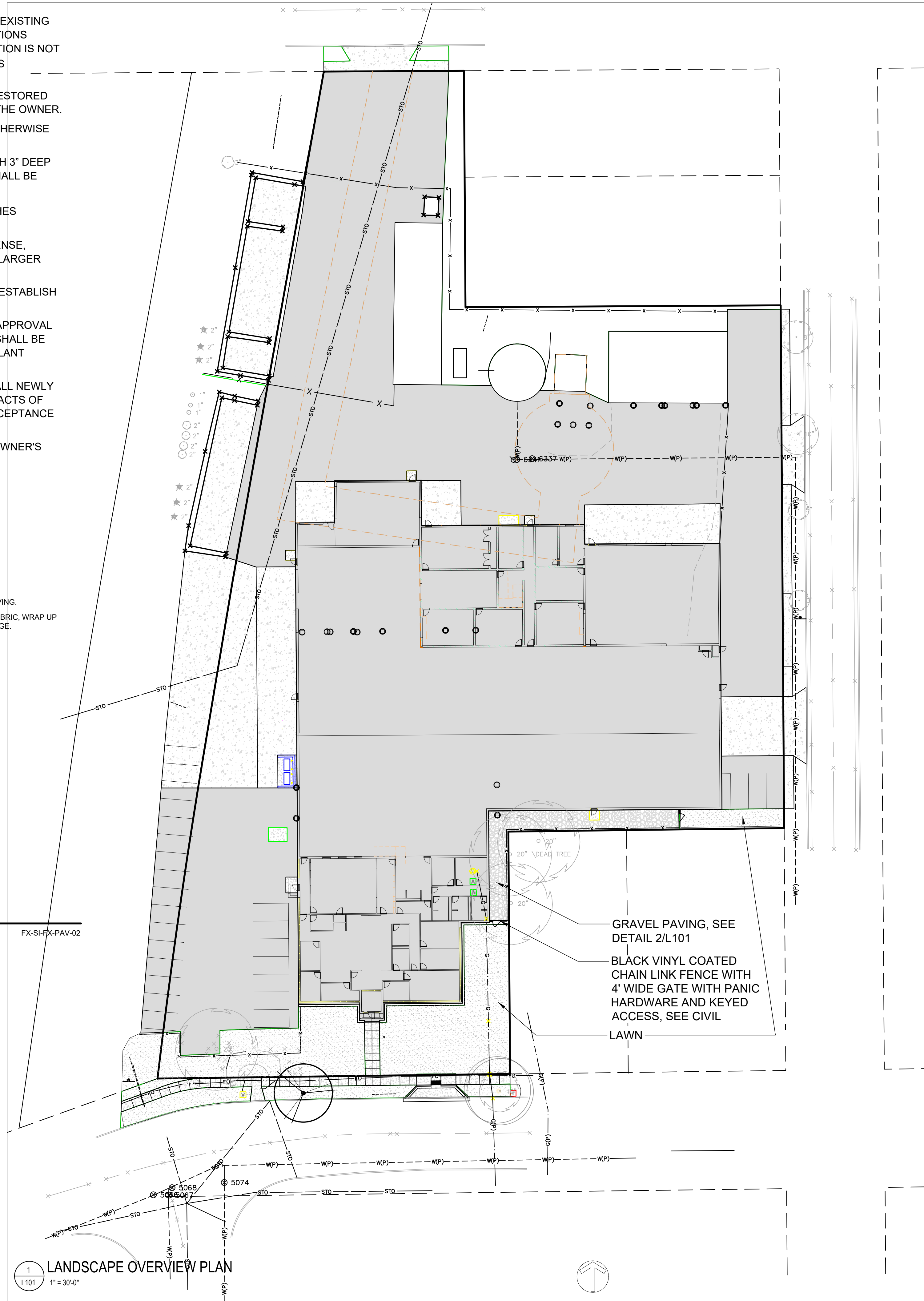
THE LIGHT EMITTED FROM THE EXISTING FIXTURES LOCATED ON THE GARAGE IS A CALCULATED ESTIMATE

Plan View
 Scale - 1" = 20'

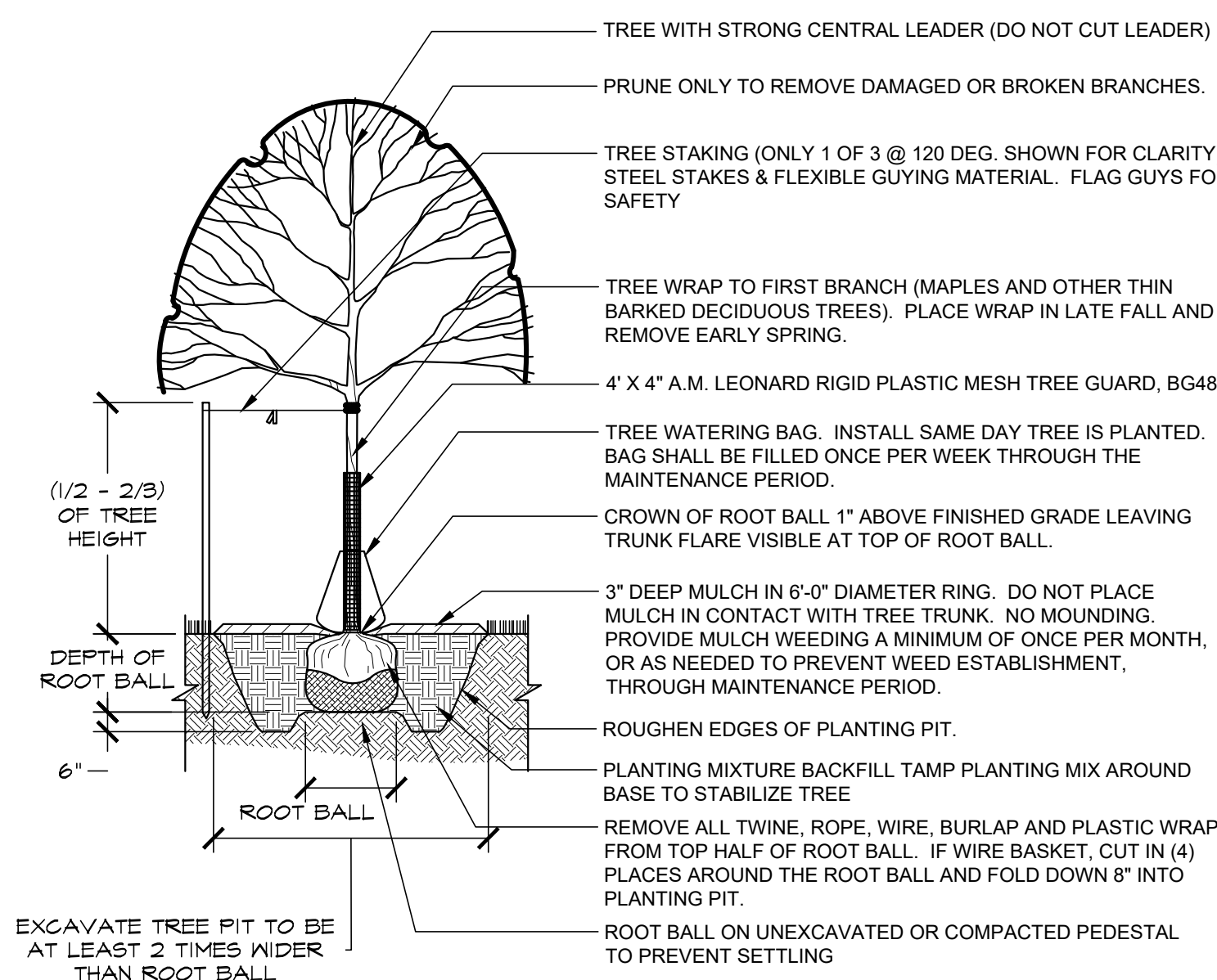
PLANTING NOTES

- EXISTING TREES FOUND ON SITE SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
- THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. THE LANDSCAPE ARCHITECT WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
- THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
- SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE AND/OR AS DIRECTED BY LANDSCAPE ARCHITECT AND STOCKPILE FOR REUSE IN LOCATION APPROVED BY OWNER.
- AREAS UNDER PLANTING BEDS AND LAWNS SHALL NOT CONTAIN COMPACTED AGGREGATE TO ALLOW FOR PROPER DRAINAGE AND GROWTH OF PLANT MATERIAL. REMOVE AGGREGATE AND PERFORM SUBSOILING AS NECESSARY TO OBTAIN LOOSE, FREE DRAINING SUBGRADE BELOW PLANTING BEDS. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS.
- CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS.
- ALL SEED & SOD AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL.
- SEED AND PLUG PLANTING SHALL OCCUR IN DESIGNATED PLANTING WINDOWS, SEE SPECIFICATIONS.

- PAIN OR STAKE LIMITS OF SEEDING FOR REVIEW BY LANDSCAPE ARCHITECT & OWNER PRIOR TO SEEDING.
- NEW SEEDED AREAS TO BE TREATED WITH HERBICIDE TO KILL ALL EXISTING GROUND COVER. THERE SHALL BE A MINIMUM OF TWO (2) APPLICATIONS SEPARATED BY 10 DAYS. IF ALL EXISTING GROUND COVER VEGETATION IS NOT KILLED WITHIN 10 DAYS OF 2ND APPLICATION, A 3RD APPLICATION IS REQUIRED.
- ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- ALL PLANTING BEDS SHALL HAVE A SHOVEL CUT EDGE, UNLESS OTHERWISE SPECIFIED.
- ALL PLANTING BEDS AND PLANTED TREES SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH PER PLANTING DETAILS. MULCH SHALL BE CONSIDERED INCIDENTAL TO PLANT MATERIALS.
- GRAVEL PAVING AREA TO BE 4" THICK, 1 1/2 INCHES MAXIMUM, 3/4 INCHES MINIMUM, ROUNDED RIVERBED GRAVEL.
- LAWN SEED SHALL BE ESTABLISHED BY THE CONTRACTOR TO A DENSE, GREEN CONSISTENT LAWN VOID OF ANY BARE OR PATCHY AREAS LARGER THAN 3' X 3'.
- SEED PRIOR TO OCT. 15. IF SEEDED AFTER OCT. 15, MAINTAIN AND ESTABLISH LAWN UNTIL SPRING REVIEW.
- NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL AND SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION.
- CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- SEE SPECIFICATIONS FOR MAINTENANCE REQUIREMENTS AFTER OWNER'S ACCEPTANCE.

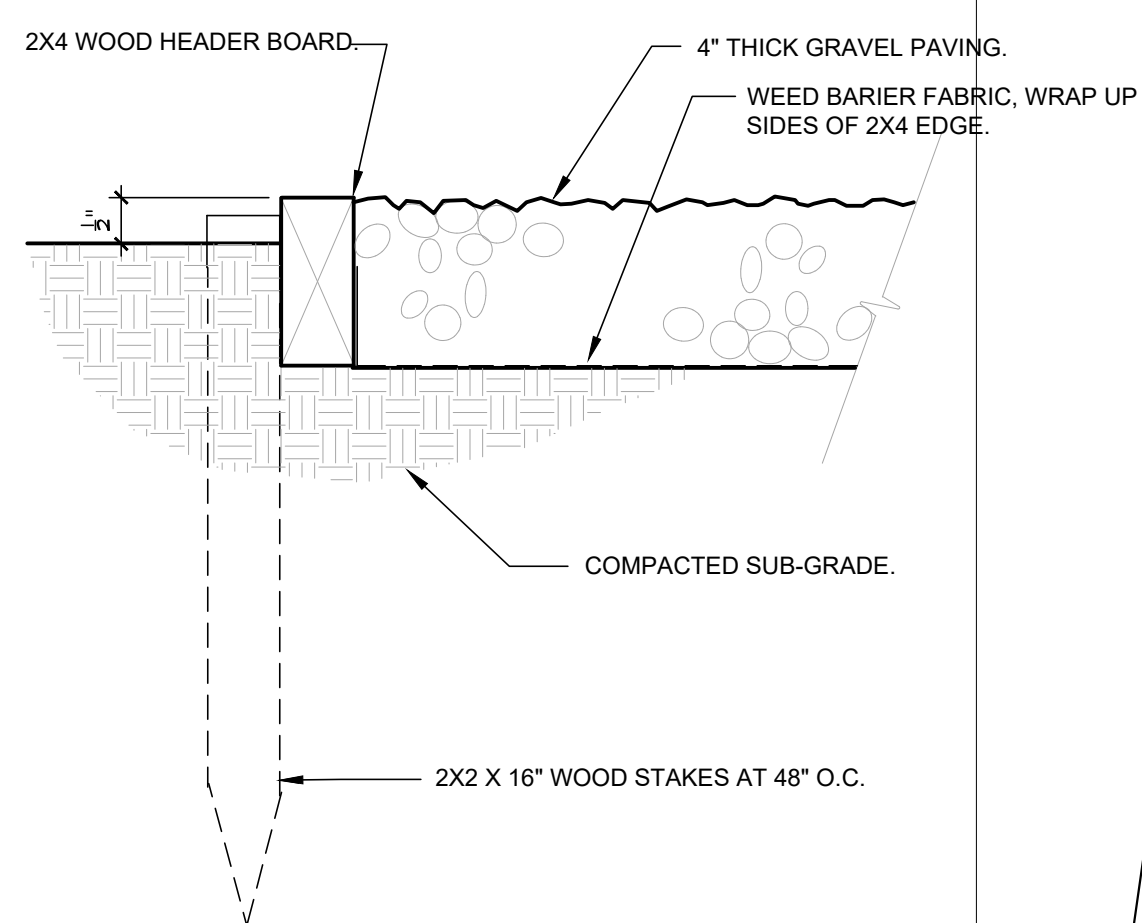


1 LANDSCAPE OVERVIEW PLAN
1" = 30'-0"



1 TREE PLANTING
1/4" = 1'-0"

329343-01



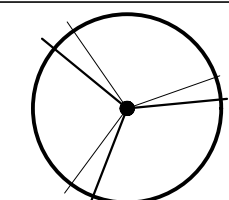
2 EDGE AT GRAVEL PAVING
3" = 1'-0"

FX-SI-FX-PAV-02

PLANT_SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
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DECIDUOUS TREES



CEL OCC		CELTIS OCCIDENTALIS / COMMON HACKBERRY	2" CAL	1
---------	--	--	--------	---

SYMBOL

BOTANICAL / COMMON NAME

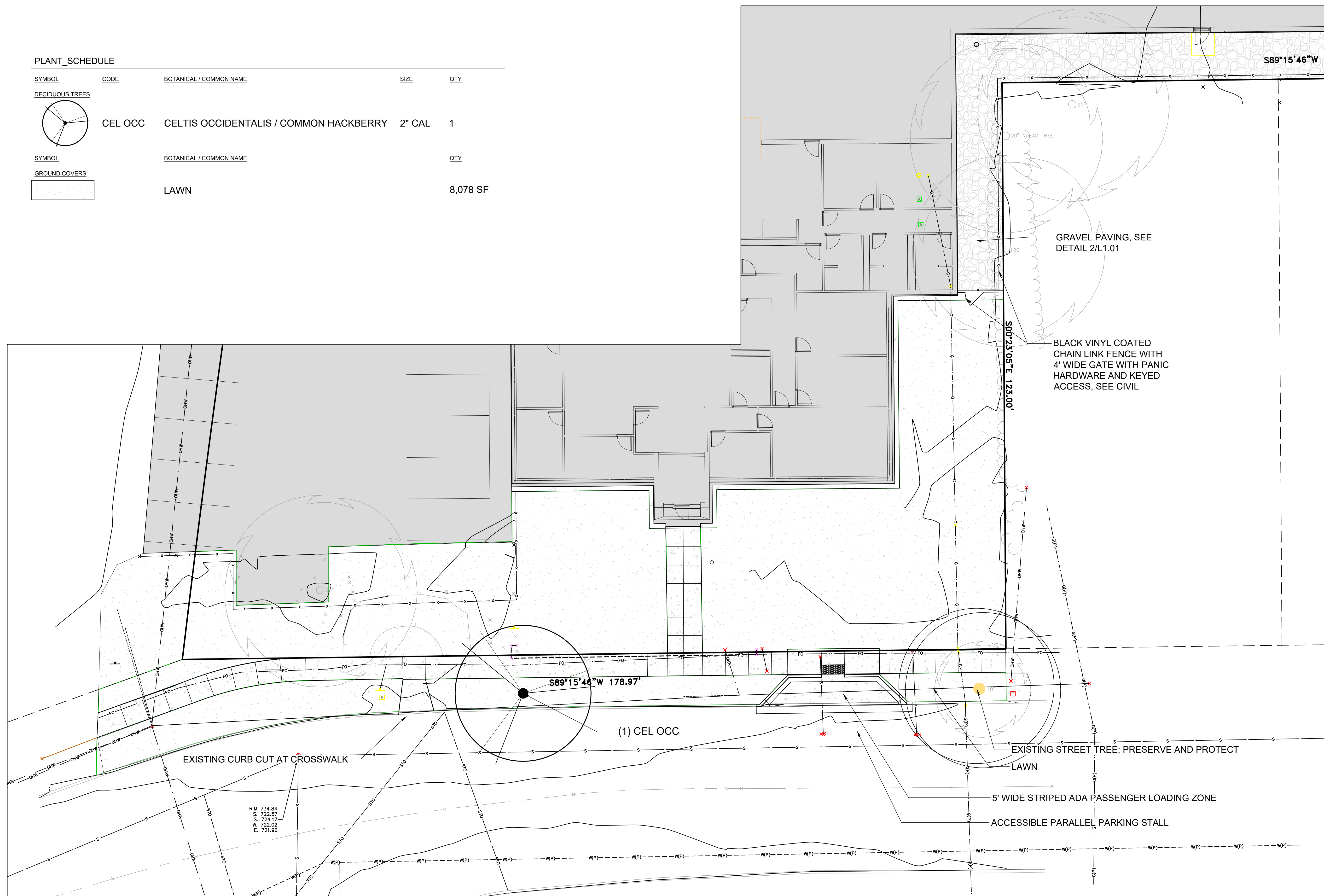
QTY

GROUND COVERS

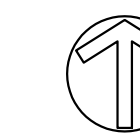


LAWN

8,078 SF



1 LANDSCAPE BLOW UP PLAN
L102 1" = 10'-0"



Glazing:
Olde Castle
1/4" Solarban
100VT
Color: Bronze TP-
#2

Precast Concrete
Wall Panels:
Moline
3012-2
Leather
Light sand blast
Light Etch

Polycarbonate window panels
(not shown)
Kaiwall:
Ext. Face .070 Crystal; SW
Int Face .045 White S-171
U Factor 0.23 TB
VLT: 26% NFRC 202

Architectural
Precast Sills
Custom Stone
Works
Color: Fawn Tan

Composite metal
panel:
Alfrex
Color: Charcoal

Accent CMP
Aluco Bond
Color: Patriot Red

Base course
masonry:
County Material
Reflection Stone
Color: Enchantment

