PROPOSED SITE IMPROVEMENTS FOR

Sunset Grove at South Haven

SOUTH HAVEN CHARTER TOWNSHIP, VAN BUREN COUNTY, MICHIGAN

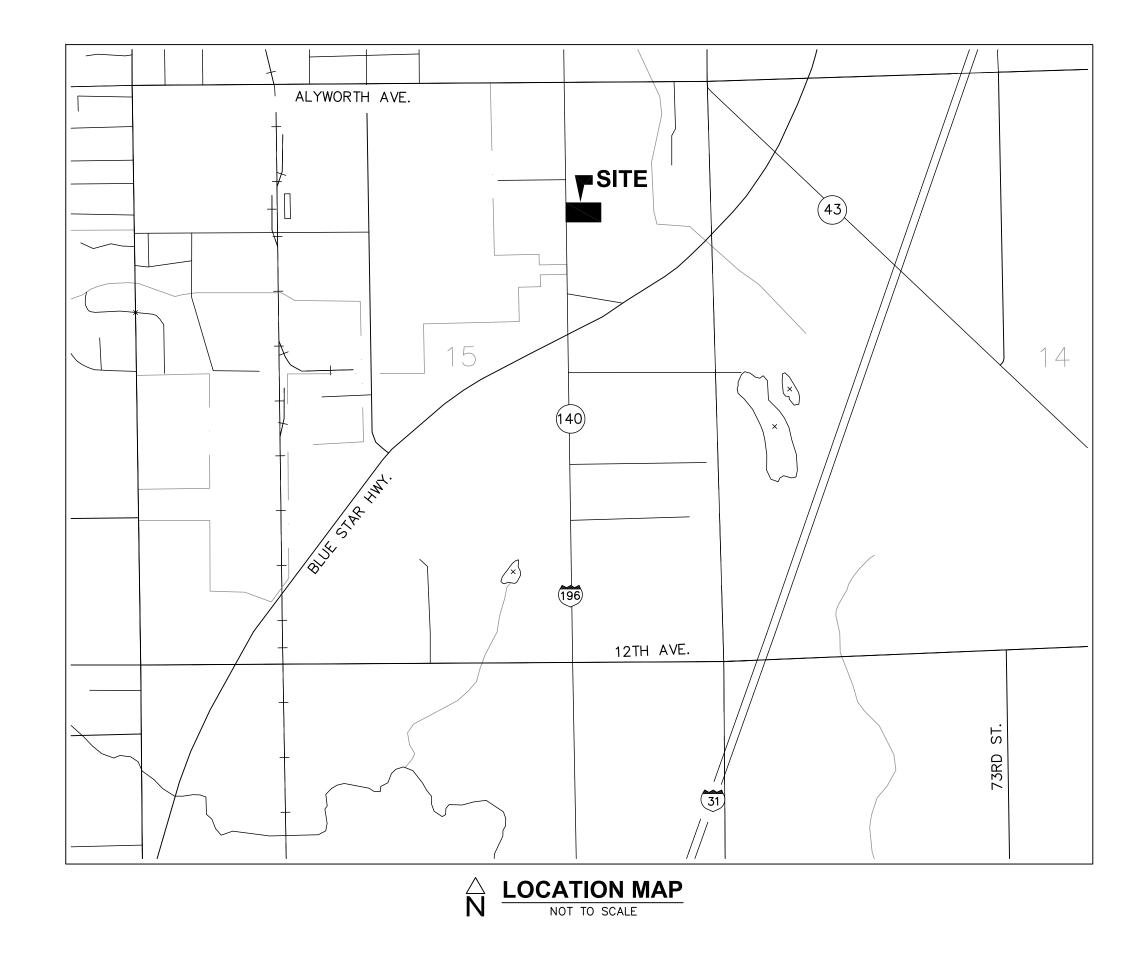
LEGAL DESCRIPTION

(PER WARRANTY DEED LIBER 1758, PAGE 368)

Beginning at a point found by commencing at the Northeast corner of Section 15, Town 1 South, Range 17 West line of the West 1/2 of the Northeast 1/4 of the Northeast 1/4; thence South 00 degrees 00 minutes 21 seconds East on same, 909.06 feet to the place of beginning of this description; thence South 89 degrees 21 minutes 13 seconds East 342.08 feet; thence South 00 degrees 00 minutes 21 seconds East 200.01 feet; thence North 89 degrees 21 minutes 13 seconds West 342.08 feet to the West line of the West 1/2 of the Northeast 1/4 of the Northeast 1/4; thence North 00 degrees 00 minutes 21 seconds West on same, 200.01 feet to the place of beginning.

PARCEL NUMBER:

80-53-272-002-00



SHEET INDEX

C: COVER SHEET

C0: EXISTING CONDITIONS PLAN

C1: SITE LAYOUT PLAN

C2: SITE GRADING & SESC PLAN

C3: SITE UTILITY PLAN

C4: STORM WATER DETENTION DETAILS

1 of 1: SITE LIGHTING PLAN

A01: BUILDING FLOOR PLANS

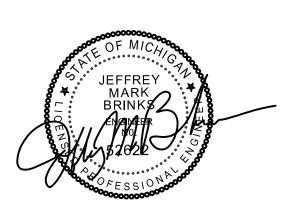
A02: BUILDING FLOOR PLANS

A03: BUILDING ELEVATIONS

A04: BUILDING RENDERINGS

PROPERTY OWNER

Samaritas Affordable Living Sunset Grove LDHA LP 8131 East Jefferson Ave. Detroit, MI 48214



NOT FOR CONSTRUCTION



ENGINEERING, PLLC

COVER SHEET

Know what's below.

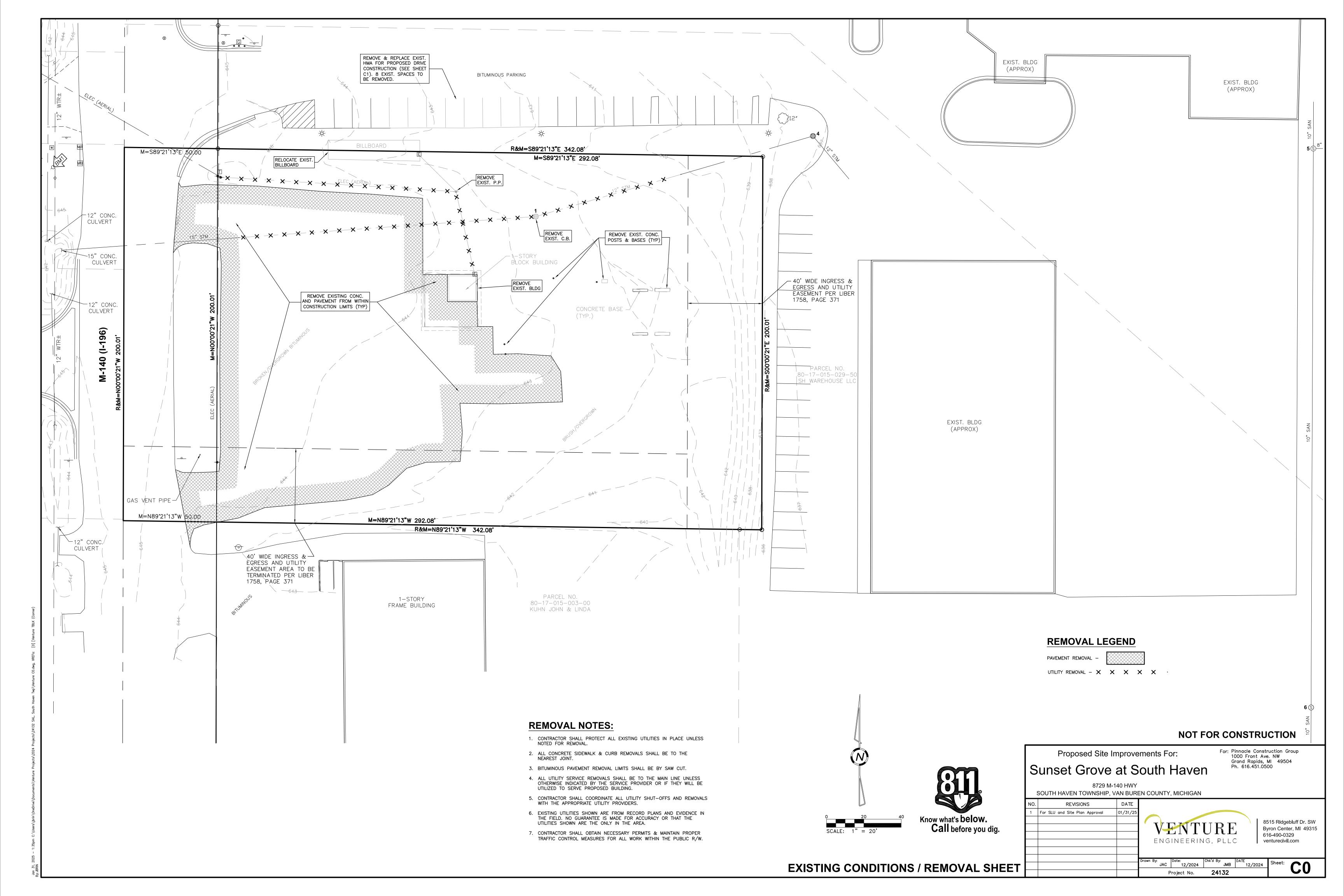
Call before you dig.

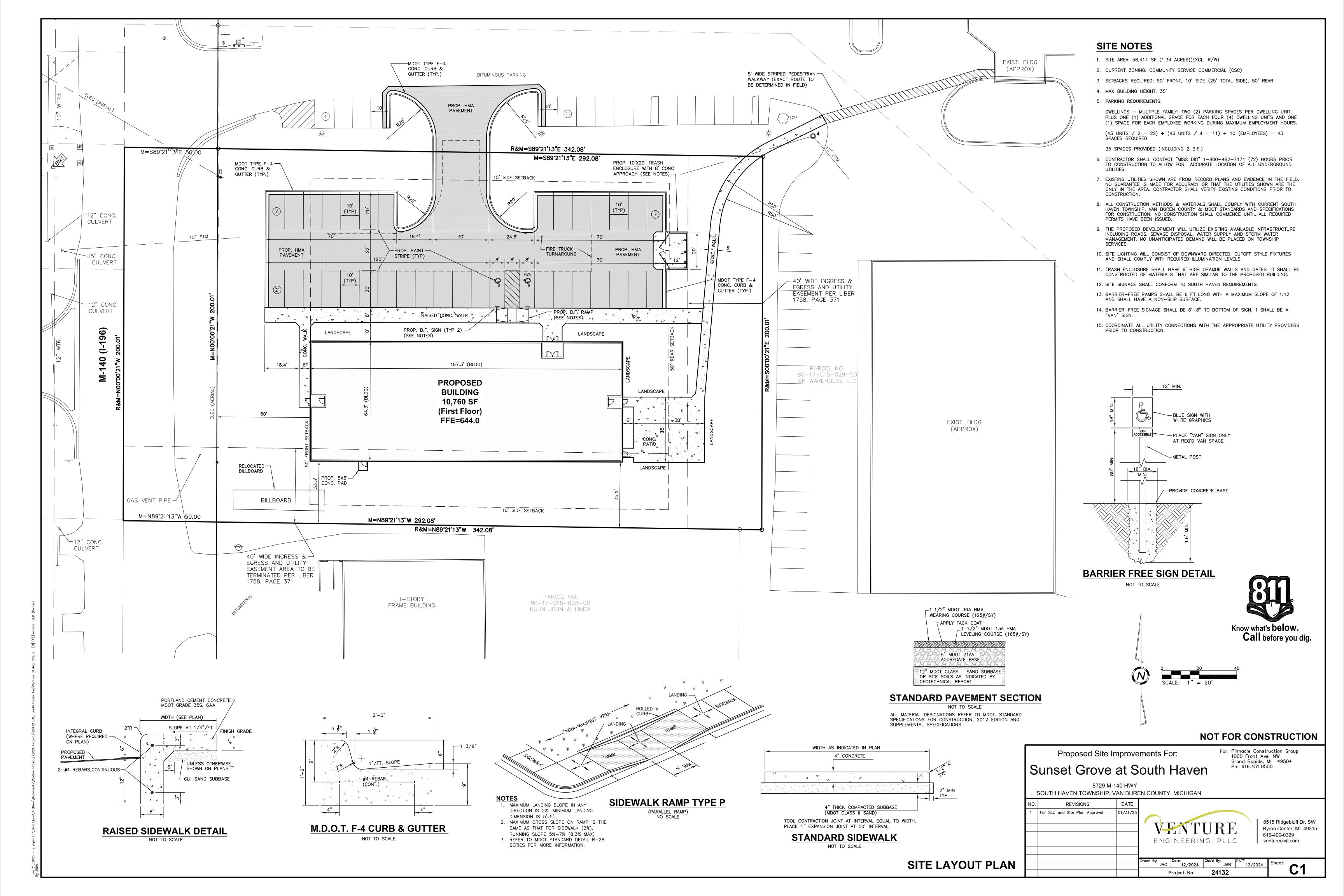
awn By: JAC | Date: 12/2024 | Chk'd By: JMB | DATE 12/2024 | Chk'd By: DATE 12/2024 | Chk'd By:

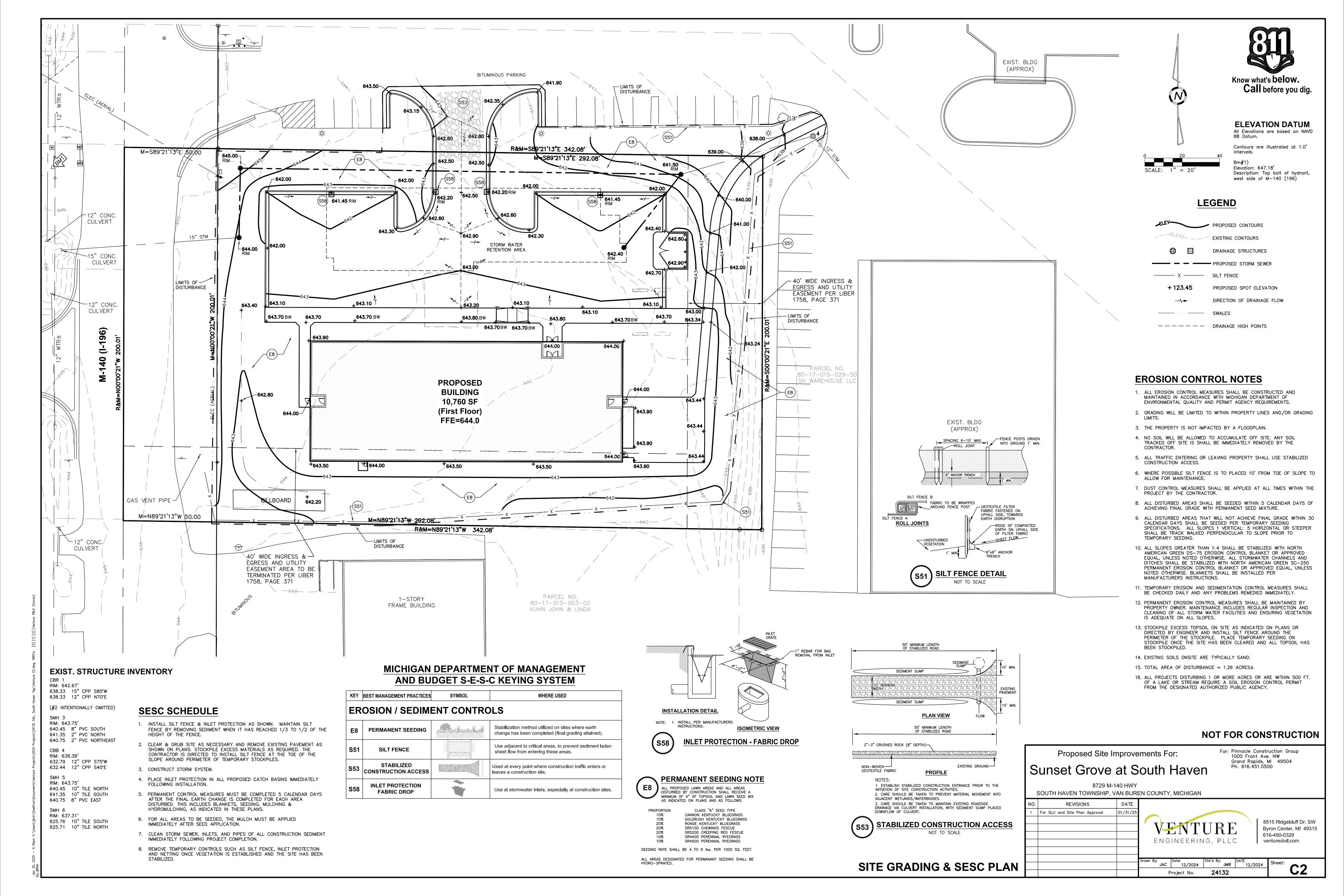
616-490-0329

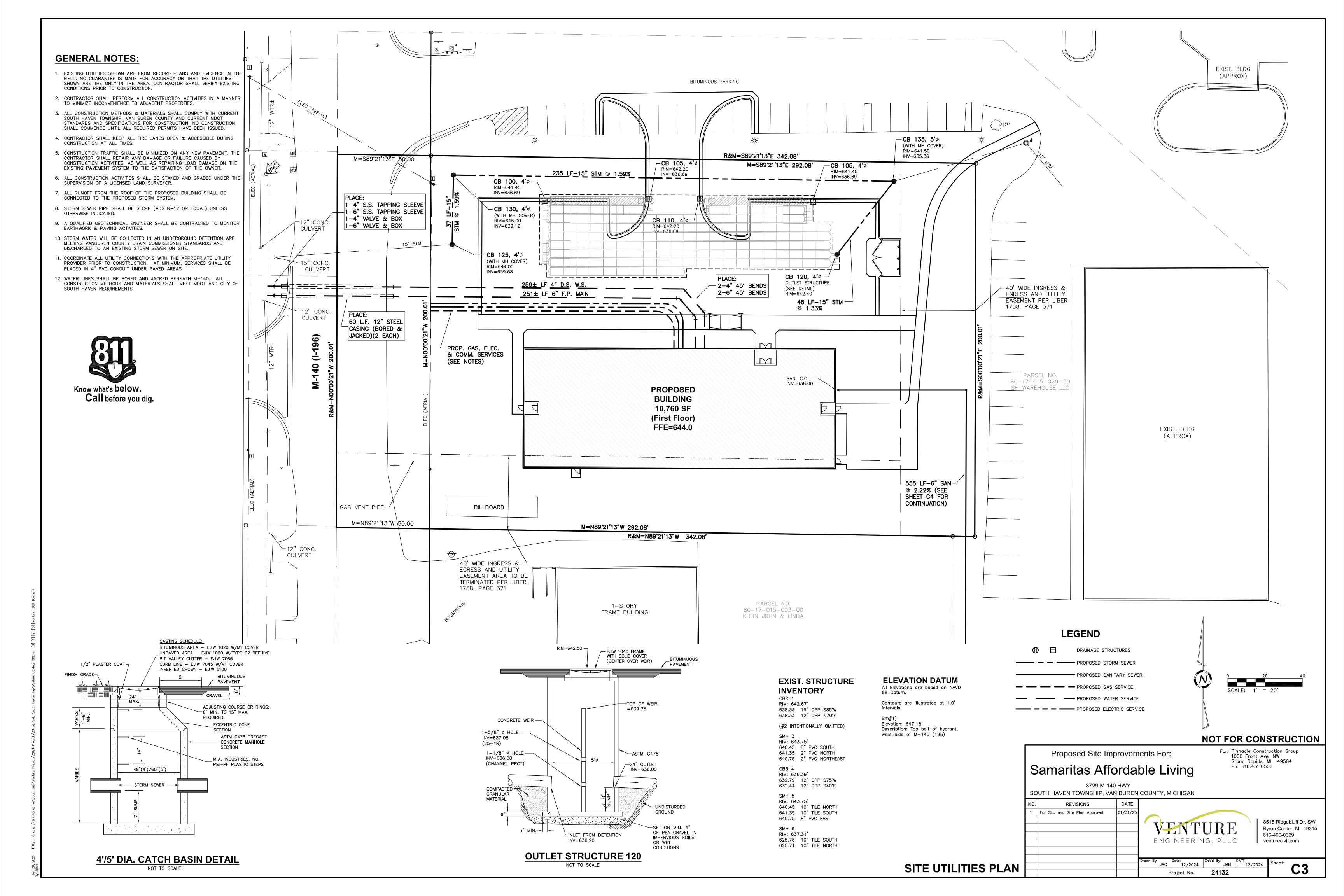
venturecivil.com

SITE SITE LOCATION













SAL SOUTH HAVEN COPY

SC-800 STORMTECH CHAMBER SPECIFICATIONS

CHAMBERS SHALL BE STORMTECH SC-800.

PROJECT NO

- 2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"

 LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2)

 MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:

 TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING
- STACKING LUGS.

 TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2°. TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE
- GREATER THAN OR EQUAL TO 550 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:

 THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
- THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE. THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- 10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- 11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

- - SOUTH HAVEN, MI, USA IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM
 - STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A
 PRE-CONSTRUCTION MEETING WITH THE INSTALLERS. 2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION
 - CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.
 - TORMTECH RECOMMENDS 3 BACKFILL METHODS:

 STONESHOOTER LOCATED OFF THE CHAMBER BED.

 BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.

 BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
 - 4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
 - 5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.

6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.

- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF. NOTES FOR CONSTRUCTION EQUIPMENT
- 1. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-740/SC-800/DC-780 CONSTRUCTION CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-800/DC-800
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:

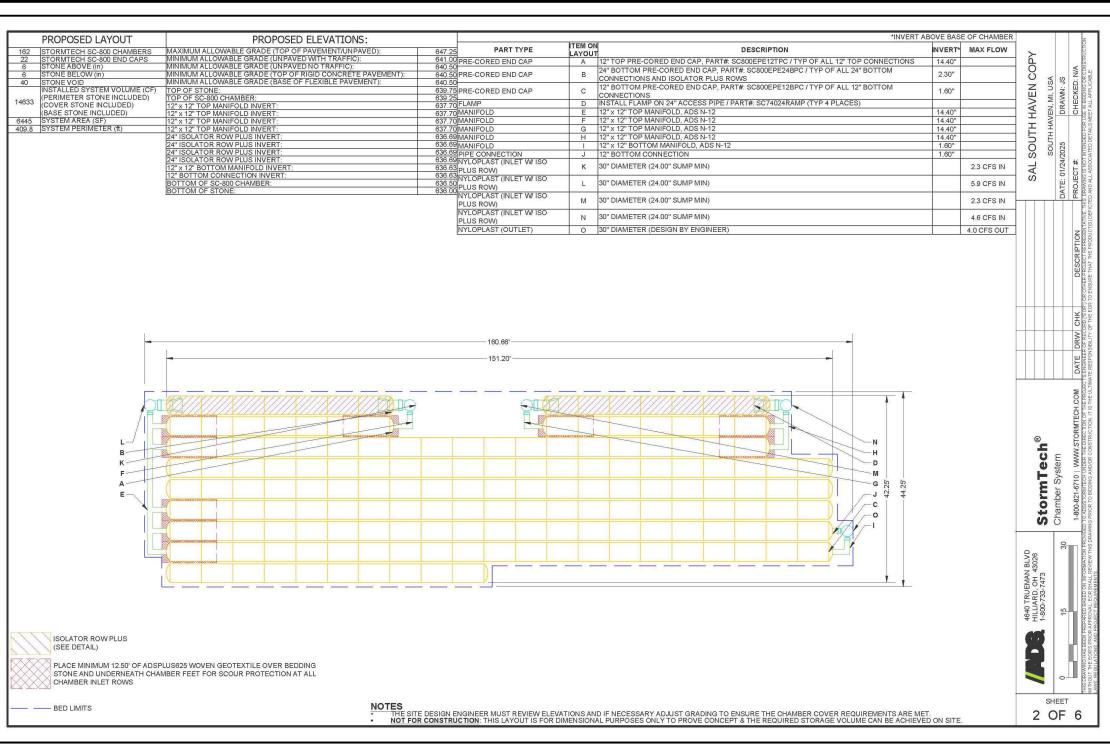
 NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.

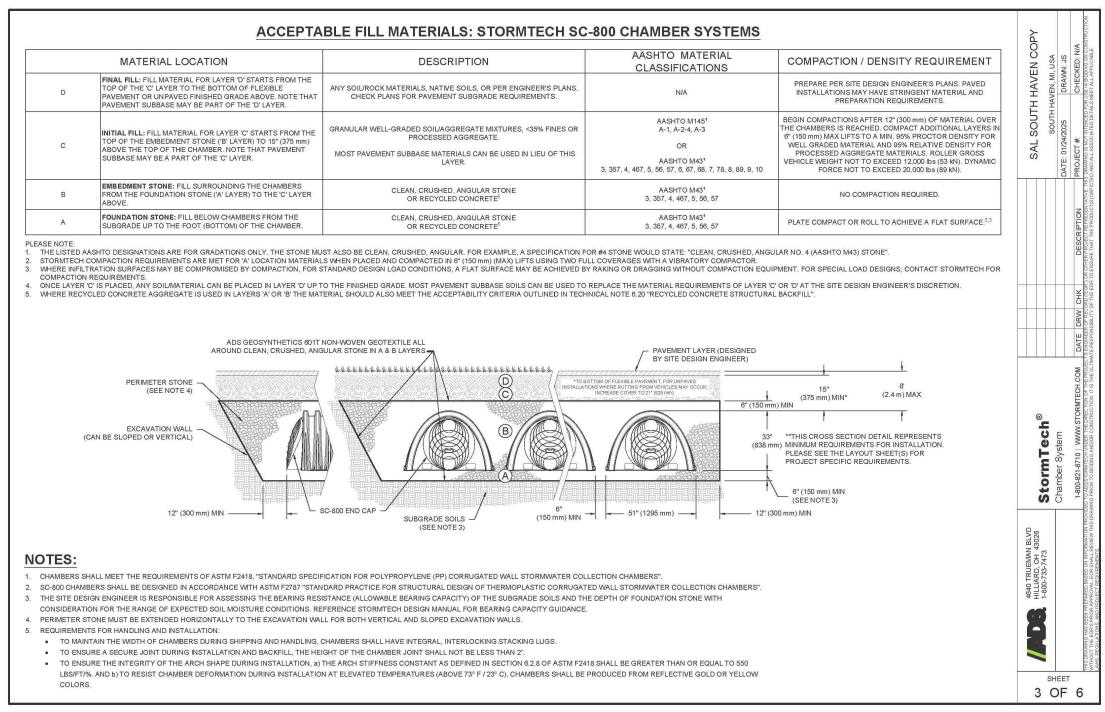
 NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE
- WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".

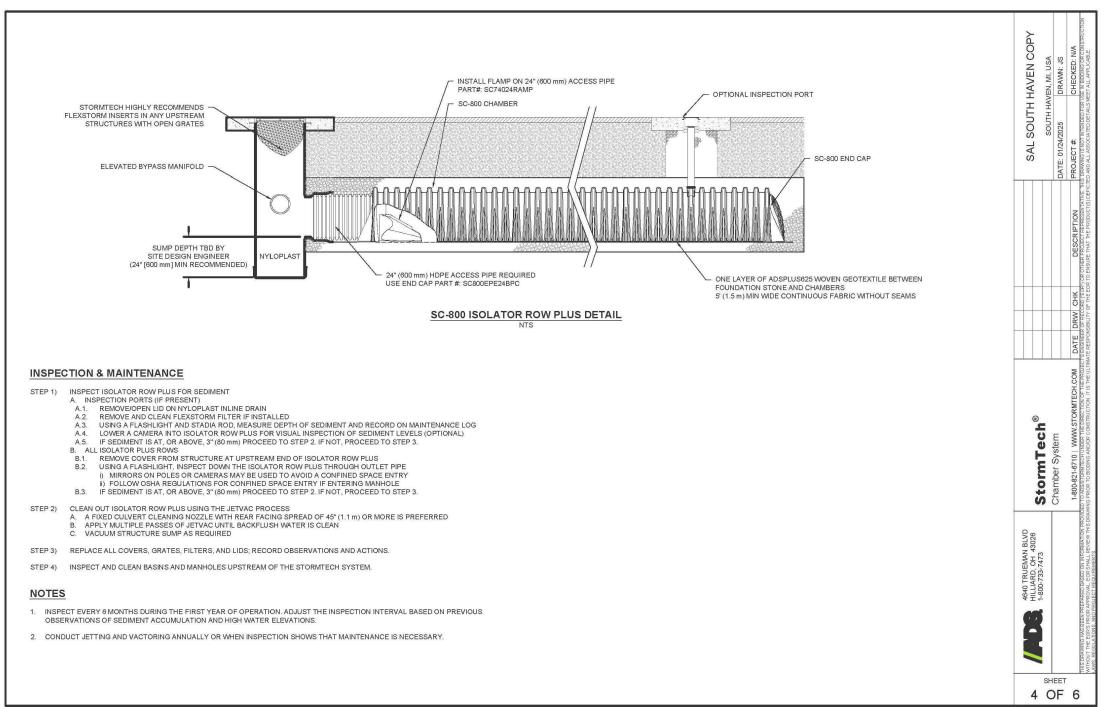
 WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".

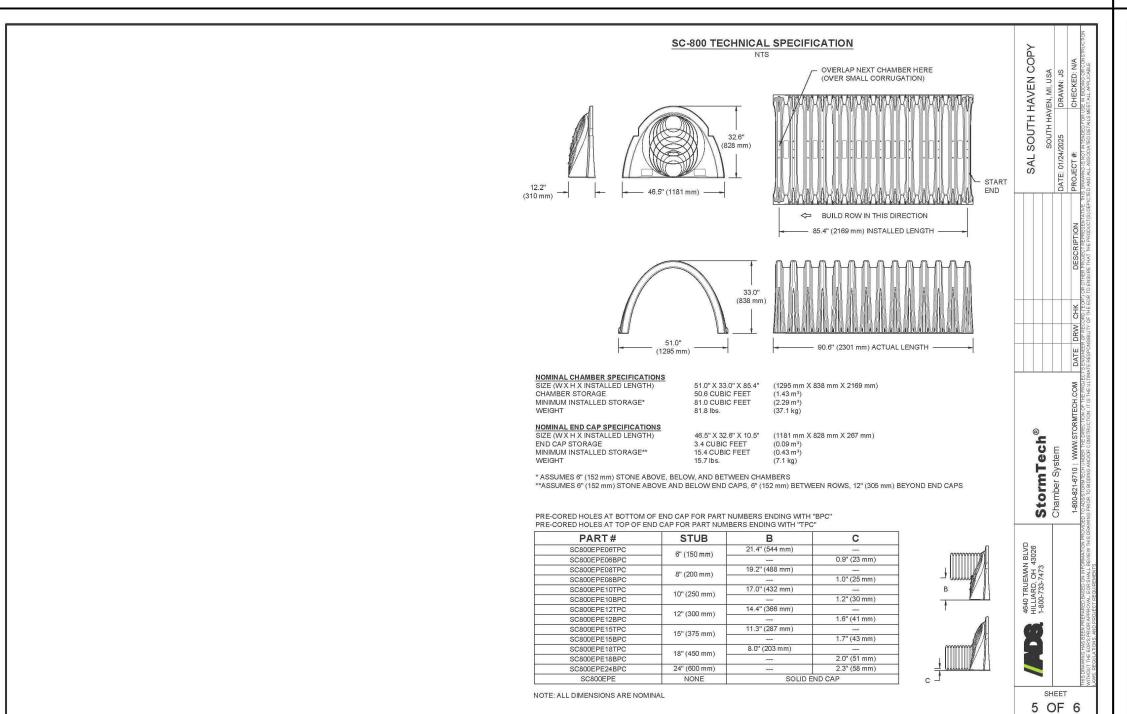
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING. USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

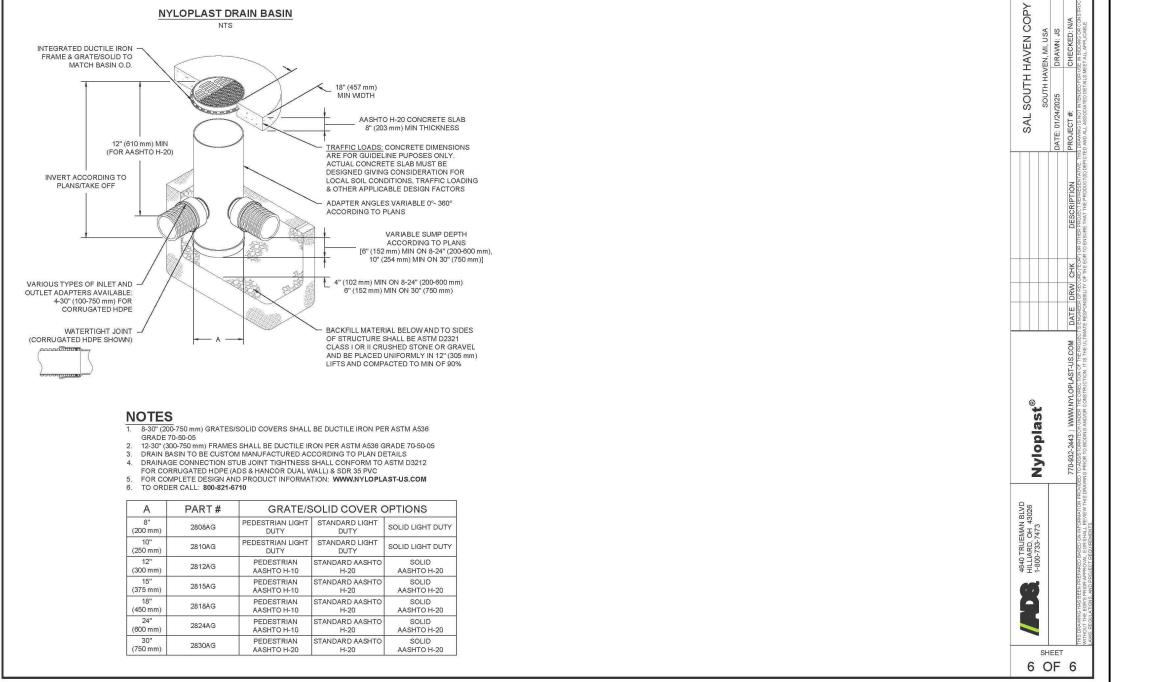
CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.













NOT FOR CONSTRUCTION

For: Pinnacle Construction Group

1000 Front Ave. NW Grand Rapids, MI 49504 Ph. 616.451.0500

STORM WATER DETENTION DETAILS

Proposed Site Improvements For: Sunset Grove at South Haven

SOUTH HAVEN TOWNSHIP, VAN BUREN COUNTY, MICHIGAN

Э.	REVISIONS	DATE	
	For SLU and Site Plan Approval	01/31/25	
			VENTURE ENGINEERING, PLLC
			Danie Die Date Oblika Die DATE

venturecivil.com

616-490-0329

7: JAC | Date: 12/2024 | Chk'd By: JMB | DATE 12/2024 | Sheet: C4

8515 Ridgebluff Dr. SW Byron Center, MI 49315







The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing full-cut off solution for both new construction and HID wall pack replacement/renovation opportunities. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life.

FEATURES:

 Architectural design at very economical prices Energy efficient - payback in less than two years

Wide range of configuration options available

Note: WPX3 lumen package and all the WPX configuration options are not included in the Contractor Select program. For more information, please visit <u>WPX LFD</u>.



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20	OF.	IP66	DLC	DLC	5
	c Us		CIDITE	PREMIUM	warrant

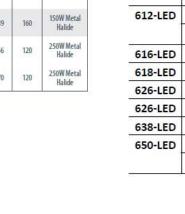
Luminaire	ш	Lumens	Input Watts	Photocell	Finish	Voltage	Catalog Number	CI Code	UPC	Pallet qty.	Replaces Up To
WPXO	SWW2 3000K/ 4000K/ 5000K	850 - 1,650	6.4-13W	Switchable On/Off	DARK BRONZE	120-277V	WPXo LED ALO SWW2 MVOLT PE DDBXD M2	*276U4U	196182511806	280	70W Metal Halide
WPX1	4000K	2,900	24W	N/A	DARK BRONZE	120-277V	WPX1 LED P2 40K MVOLT DDBXD M4	*265SWK	193048870589	160	150W Metal Halide
Name -	4000K	6,000	47W	N/A	DARK BRONZE	120-277V	WPX2 LED 40K MVOLT DDBXD M2	*265SX3	193048870756	120	250W Metal Halide
WPX2	5000K	6,000	47W	N/A	DARK BRONZE	120-277V	WPX2 LED 50K MVOLT DDBXD M2	*265SX6	193048870770	120	250W Metal Halide



20	.	IP66	pic	DLC LISTED PREMIUM	5 AR

Luminaire	αт	Lumens	Input Watts	Photocell	Finish	Voltage	Catalog Number	CI Code	UPC	Pallet qty.	Replaces Up To
WPXO	SWW2 3000K/ 4000K/ 5000K	850 - 1,650	6.4-13W	Switchable On/Off	DARK BRONZE	120-277V	WPXo LED ALO SWW2 MVOLT PE DDBXD M2	*276U4U	196182511806	280	70W Metal Halide
WPX1	4000K	2,900	24W	N/A	DARK BRONZE	120-277V	WPX1 LED P2 40K MVOLT DDBXD M4	*265SWK	193048870589	160	150W Metal Halide
New York	4000K	6,000	47W	N/A	DARK BRONZE	120-277V	WPX2 LED 40K MVOLT DDBXD M2	*265SX3	193048870756	120	250W Metal Halide
WPX2	5000K	6,000	47W	N/A	DARK BRONZE	120-277V	WPX2 LED 50K MVOLT DDBXD M2	*265SX6	193048870770	120	250W Metal Halide

CONTRACTOR SELECT WPX SERIES LED



Construction:

Light Source:

• LED

Notes:

Steel housing and chassis

Dimming to 10% Included

Keyhole slots left and right

Optional battery backup

CRI > 90

Width - 6.5"

Depth - 3.75"

UL and CUL listed WET location

Replaceable Module

Height - 12" - 16" - 18" - 26" - 38" - 50"

See 900 or 1100 Series for other width options

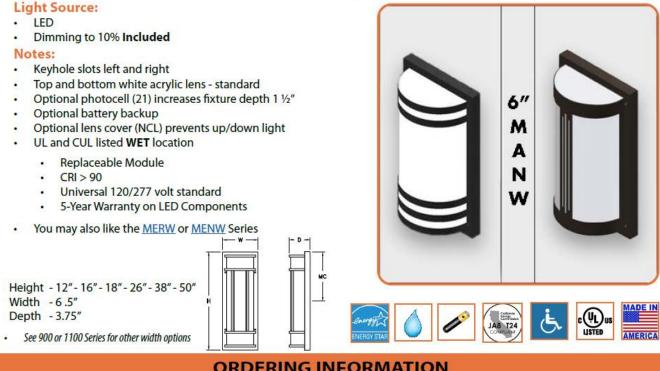
Diffuser UV-stabilized, high impact resistant, DR

Top and bottom white acrylic lens - standard

 Universal 120/277 volt standard 5-Year Warranty on LED Components

You may also like the <u>MERW</u> or <u>MENW</u> Series





Type:

Job Name:







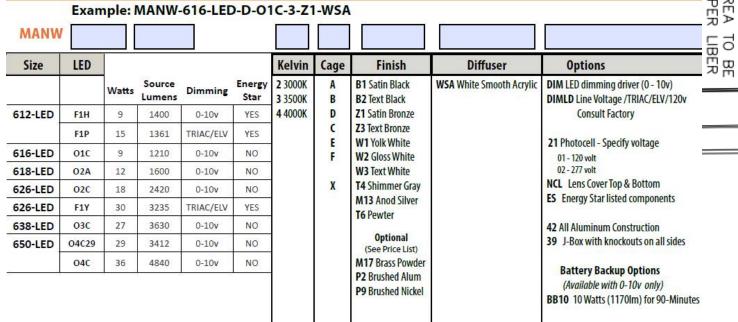
MANW-LED-600





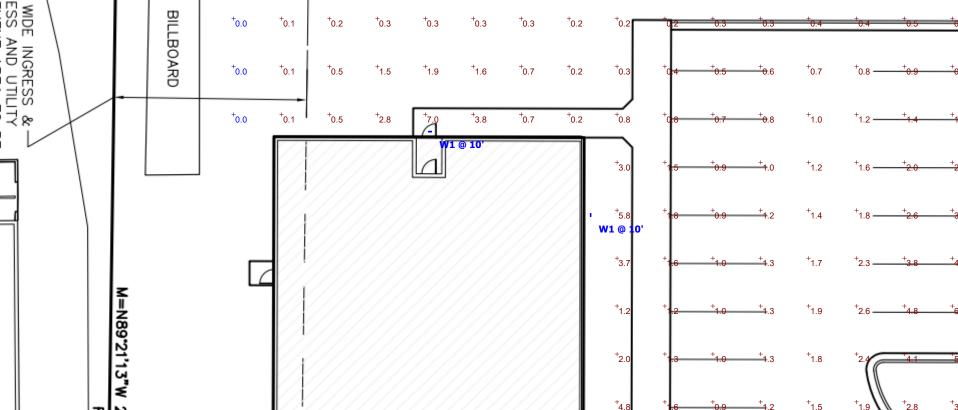






28435 Industry Drive., Valencia, California 91355 800-325-4448 /661-257-0286 • fax 800-323-2346 /661-257-0201 www.lightwayind.com • sales@lightwayind.com

Lightway



**ELEC (APRIAL) **0.0 **0.0 M=N00*00'21"W 200.01'

Length: Width: 13.3" (33.8 cm) 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm Height:

22.0 lbs (10.0 kg)

⁺0.6 ⁺0.1

⁺1.4 ⁺0.3

⁺2.8

SA @ 23'

+0.7



The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

VISUAL

Site

Samaritas

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

ds design select Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

Orderin	g Informa	ition		EXAMPLE: RSX1 LED P4 40K R3 MVOLT									
RSX1 LED													
Series	Performance Package	Color Temperature	Distributi	ion	Voltage		Mountin	9					
RSX1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	R2 R3 R3S R4 R4S R5 R5 R5S AFR AFRR90	Type 2 Wide Type 3 Short Type 4 Wide Type 4 Short Type 5 Short Type 5 Wide Type 5 Short Type 5 Short Type 5 Short Automotive Front Row Right Rotated Automotive Front Row Left Rotated	MVOLT HVOLT XVOLT (use spee options: 120 ³ 208 ³ 240 ³	(120V-277V) ² (347V-480V) ³ (277V-480V) ⁴ (iffic voltage for as noted) 277 ⁵ 347 ⁵ 480 ³	SPA RPA MA IS WBA WBASC AASP AARP AAWB	Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) Mast arm adaptor (fits 2-3/8" OD hortzontal tenon) Adjustable slipfitter (fits 2-3/8" OD hortzontal tenon) Adjustable tilt arm square pole mounting 6 Adjustable tilt arm with wall bracket 6 Adjustable tilt arm wall bracket and surface conduit box 6					

ptions				Finish	
Shipped In	nstalled	Shipped	Installed	DDBXD	Dark Bronze
HS	House-side shield 7	*Standal	one and Networked Sensors/Controls (factory default settings, see table page 9)	DBLXD	Black
PE	Photocontrol, button style ⁸⁹	NLTAIR2 P	RHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor 9, 12, 15, 16	DNAXD	Natural Aluminum
PER7	Seven-wire twist-lock receptacle only (no controls) 9,10,71	BAA	Buy America (n) Act and/or Build America Buy America Qualified	DWHXD	White
SF	Single fuse (120, 277, 347) ⁵	CCE	Coastal Construction ^{TS}	DDBTXD	Textured Dark Bronze
DF	Double fuse (208, 240, 480) 5	*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.			Textured Black
SPD20KV	20KV Surge pack (10KV standard)	coverage	pattern is affected when luminaire is tilted.	DNATXD	Textured Natural Aluminur
FAO	Field adjustable output ^s	Shipped	Separately (requires some field assembly)	DWHGXD	Textured White
DMG	0-10V dimming extend out back of housing for external	EGS	External glare shield ⁷		
	control (control ordered separate) 9	EGFV	External glare full visor (360° around light aperture) 7		
		BS	Bird spikes 16		

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.acuitybrands.com © 2018-2025 Acuity Brands Lighting, Inc. All rights reserved.

Statistics ption Symbol Avg Max Min Max/Min Avg/Miı Calc Zone #1 + 1.5 fc 17.1 fc 0.0 fc N/A N/A

Schedule												
Symbol	Label	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Power				
	SA	2	Lithonia Lighting	RSX1 LED P4 40K R4	RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R4 Distribution	16573	1	133.14				
	SB	3	Lithonia Lighting	RSX1 LED P1 40K R2	RSX Area Luminaire Size 1 P1 Lumen Package 4000K CCT Type R2 Distribution	7121	1	51.3435				
	W1	6	Lithonia Lighting	WPX1 LED P2 40K Mvolt	WPX1 LED wallpack 3000lm 4000K color temperature 120-277 Volts	2913	1	24.42				
	W2	2	LIGHTWAY INDUSTRIES, INC	MERW-612-LED-U-13W	4-3/8"L. X 6-1/2"W. X 12"H. LED WALL SCONCE DIFFUSED LENS	1108	1	16.95				

SA @ 23' ⁺0.5 ⁺0.1 ⁺0.1 ⁺0.4 ⁺0.2 ⁺0.2 +0.0 +0.0 +0.0 +0.1 +0.1 +0.1 **R&M=S00:00'21'0E 200:01'** Plan View Scale - 1" = 20ft

Date 02/01/2025 Scale Not to Scale Drawing No. Summary





1/8" = 1'-0"

GENERAL NOTES

- . DO NOT SCALE DRAWINGS.
- . FINISH FLOOR ELEVATION = 100' 0". REFER TO CIVIL DRAWINGS FOR EQUIVALENT.
- REFER TO CODE COMPLIANCE DRAWING(S) FOR LOCATIONS OF RATED ASSEMBLIES. ABBREVIATIONS, TYPICAL MOUNTING DIMENSIONS, AND ANNOTATION SYMBOLOGY ARE SHOWN ON GENERAL INFORMATION DRAWINGS.
- WALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF CONCRETE, FACE OF STUDS, EXTERIOR WALL SHEATHING, COLUMN CENTERLINE AS SHOWN OR FACE OF EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE PERPENDICULAR AND PARALLEL, UNLESS NOTED OTHERWISE. PROVIDE APPROVED SMOKE/FIRESTOPPING ASSEMBLIES AT ALL MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT PARTITIONS
- IDENTIFIED ON CODE COMPLIANCE DRAWINGS. CONSTRUCT ALL WALLS TIGHT TO DECK ABOVE AND EXTEND INTO DECK FLUTES AND WEBS OF STEEL MEMBERS UNLESS OTHERWISE NOTED.
- PROVIDE DEFLECTION TRACK AT TOP OF ALL METAL STUD ASSEMBLIES. DO NOT FASTEN GYP BOARD OR ANY OTHER WALL SHEATHING INTO DEFLECTION TRACK. ALTERNATIVE DEFLECTION ASSEMBLIES MAY BE USED AT THE ARCHITECT'S DISCRETION.
- 0. PROVIDE ACOUSTICAL SEALANT AT ALL WALLS WITH ACOUSTICAL INSULATION. I. PROVIDE 5/8" WATER RESISTANT GYPSUM WALLBOARD OR CEMENTITIOUS BACKER BOARD AT ALL WALLS OF TOILET ROOMS, WALLS RECEIVING TILE, AND WALLS BEHIND
- AND ADJACENT TO SINKS. 2. REFER TO STRUCTURAL DRAWINGS FOR MASONRY REINFORCING AND GROUTING. 3. PROVIDE BULLNOSE CONCRETE MASONRY UNITS AT EXPOSED SILLS AND AT ALL INTERIOR EXPOSED VERTICAL CORNERS, INCLUDING WINDOW AND DOOR JAMBS.
- 4. ALL WOOD EXPOSED TO MOISTURE IS TO BE PRESSURE TREATED 15. ALL SUBCONTRACTORS ARE TO COORDINATE WITH OTHER TRADES TO INSURE COMPATIBILITY OF THEIR RESPECTIVE WORK.
- 6. PROVIDE WOOD BLOCKING REQUIRED FOR ATTACHMENT OF ALL MISC. HARDWARE AND EQUIPMENT INCLUDING BUT NOT LIMITED TO: TOILET ACCESSORIES, DOOR HARDWARE, ELECTRICAL DEVICES, EQUIPMENT INDICATED, GRAB BARS, HANDRAILS, MILLWORK, ETC. BLOCKING SHALL BE 3/4" PLYWOOD, 16GA GALVANIZED SHEET METAL OR 2X6 SOLID
- 7. TRANSITION LINES OF DIFFERERING FLOORING OCCURRING AT A DOOR SHALL BE LOCATED AT THE CENTER LINE OF THE CLOSED DOOR.
- 18. UNLESS NOTED OTHERWISE, DOOR HINGES ARE TO BE 4" FROM FINISH FACE OF WALL. 9. PROVIDE CONTROL JOINTS IN GYPSUM WALLBOARD AS RECOMMENDED BY WALLBOARD MANUFACTURER AND COORDINATE LOCATIONS WITH ARCHITECT.
- 20. THERMAL AND ACOUSTICAL INSULATION, OTHER THAN FOAM PLASTICS, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPMENT OF NOT MORE THAN 450 21. ALL MATERIAL USED IN THE PROJECT IS TO BE ASBESTOS AND MERCURY FREE.

WALL TAG LEGEND



- 0 7/8" METAL TRACK 1-5/8" (1-1/2") METAL STUD
- 2-1/2" METAL STUD
- 2X2 WOOD STUD 4 3-5/8" METAL STUD
- 5 2X4 WOOD STUD 6 6" METAL STUD
- 2X6 WOOD STUD 8 8" METAL STUD
- O OTHER: SEE WALL TYPES
- CONCRETE/MASONRY THICKNESS —
- A 4" NOMINAL CMU / 4" CONCRETE
- B 6" NOMINAL CMU / 6" CONCRETE
- C 8" NOMINAL CMU / 8" CONCRETE
- D 10" NOMINAL CMU / 10" CONCRETE
- 12" NOMINAL CMU / 12" CONCRETE
- O OTHER: SEE WALL TYPES

6 UNITS

construction group

DESIGN/BUILD CONTRACTOR PINNACLE CONSTRUCTION GROUP 1000 FRONT AVE. GRAND RAPIDS, MI 49504

616-451-0500

WWW.ASKOURCLIENTS.COM PROJECT TEAM

JAMES LEWIS MATT DIXON

PROJECT NUMBER

BRENT BOWEN

24-014

outh esider

A ACOUSTIC INSULATION T THERMAL INSULATION - NONE

- FIRE RESISTANCE RATING RATING SHOWN IN HOURS - WALL HEIGHT

- E EXTERIOR, SEE SECTIONS X SHAFT, SEE SECTIONS L BOTTOM OF HARD LID D UNDERSIDE OF DECK ABOVE
- C EXTEND 6" ABOVE CEILING # TOP OF WALL IN INCHES O OTHER, SEE WALL TYPES FURRING SIZE
- SAME SYMBOLS AS STUD SIZE

UNIT PLAN LEGEND

1 BEDROOM UNIT 37 UNITS

2 BEDROOM UNIT

43 TOTAL UNITS

Sa

ICENSING STAMP

ISSUANCE SITE PLAN APPROVAL

REVISIONS

01/31/2025

NO. DATE DESCRIPTION

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SHEET NAME

PRESENTATION FLOOR PLANS

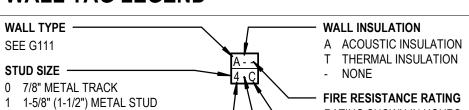




GENERAL NOTES

- . DO NOT SCALE DRAWINGS.
- . FINISH FLOOR ELEVATION = 100' 0". REFER TO CIVIL DRAWINGS FOR EQUIVALENT.
- REFER TO CODE COMPLIANCE DRAWING(S) FOR LOCATIONS OF RATED ASSEMBLIES. ABBREVIATIONS, TYPICAL MOUNTING DIMENSIONS, AND ANNOTATION SYMBOLOGY ARE SHOWN ON GENERAL INFORMATION DRAWINGS.
- WALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF CONCRETE, FACE OF STUDS, EXTERIOR WALL SHEATHING, COLUMN CENTERLINE AS SHOWN OR FACE OF EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE PERPENDICULAR AND PARALLEL, UNLESS NOTED OTHERWISE. PROVIDE APPROVED SMOKE/FIRESTOPPING ASSEMBLIES AT ALL MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT PARTITIONS
- IDENTIFIED ON CODE COMPLIANCE DRAWINGS. CONSTRUCT ALL WALLS TIGHT TO DECK ABOVE AND EXTEND INTO DECK FLUTES AND WEBS OF STEEL MEMBERS UNLESS OTHERWISE NOTED.
- PROVIDE DEFLECTION TRACK AT TOP OF ALL METAL STUD ASSEMBLIES. DO NOT FASTEN GYP BOARD OR ANY OTHER WALL SHEATHING INTO DEFLECTION TRACK. ALTERNATIVE DEFLECTION ASSEMBLIES MAY BE USED AT THE ARCHITECT'S DISCRETION. 0. PROVIDE ACOUSTICAL SEALANT AT ALL WALLS WITH ACOUSTICAL INSULATION.
- I. PROVIDE 5/8" WATER RESISTANT GYPSUM WALLBOARD OR CEMENTITIOUS BACKER BOARD AT ALL WALLS OF TOILET ROOMS, WALLS RECEIVING TILE, AND WALLS BEHIND
- AND ADJACENT TO SINKS. 2. REFER TO STRUCTURAL DRAWINGS FOR MASONRY REINFORCING AND GROUTING. 3. PROVIDE BULLNOSE CONCRETE MASONRY UNITS AT EXPOSED SILLS AND AT ALL INTERIOR EXPOSED VERTICAL CORNERS, INCLUDING WINDOW AND DOOR JAMBS.
- 14. ALL WOOD EXPOSED TO MOISTURE IS TO BE PRESSURE TREATED 15. ALL SUBCONTRACTORS ARE TO COORDINATE WITH OTHER TRADES TO INSURE COMPATIBILITY OF THEIR RESPECTIVE WORK.
- 16. PROVIDE WOOD BLOCKING REQUIRED FOR ATTACHMENT OF ALL MISC. HARDWARE AND EQUIPMENT INCLUDING BUT NOT LIMITED TO: TOILET ACCESSORIES, DOOR HARDWARE, ELECTRICAL DEVICES, EQUIPMENT INDICATED, GRAB BARS, HANDRAILS, MILLWORK, ETC. BLOCKING SHALL BE 3/4" PLYWOOD, 16GA GALVANIZED SHEET METAL OR 2X6 SOLID
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WALL TAG LEGEND



- 2-1/2" METAL STUD 2X2 WOOD STUD
- 6 6" METAL STUD
- 8 8" METAL STUD O OTHER: SEE WALL TYPES
- CONCRETE/MASONRY THICKNESS —
- B 6" NOMINAL CMU / 6" CONCRETE C 8" NOMINAL CMU / 8" CONCRETE
- D 10" NOMINAL CMU / 10" CONCRETE
- 12" NOMINAL CMU / 12" CONCRETE

UNIT PLAN LEGEND



43 TOTAL UNITS

construction group

DESIGN/BUILD CONTRACTOR PINNACLE CONSTRUCTION GROUP 1000 FRONT AVE. GRAND RAPIDS, MI 49504 616-451-0500

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PROJECT TEAM JAMES LEWIS

MATT DIXON BRENT BOWEN

PROJECT NUMBER

24-014

ceside:

- WALL HEIGHT

FURRING SIZE

E EXTERIOR, SEE SECTIONS

D UNDERSIDE OF DECK ABOVE

C EXTEND 6" ABOVE CEILING

TOP OF WALL IN INCHES O OTHER, SEE WALL TYPES

SAME SYMBOLS AS STUD SIZE

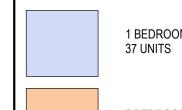
X SHAFT, SEE SECTIONS

L BOTTOM OF HARD LID

- RATING SHOWN IN HOURS
- 4 3-5/8" METAL STUD 5 2X4 WOOD STUD
- 2X6 WOOD STUD

- A 4" NOMINAL CMU / 4" CONCRETE

O OTHER: SEE WALL TYPES



6 UNITS

Sa

ICENSING STAMP

ISSUANCE

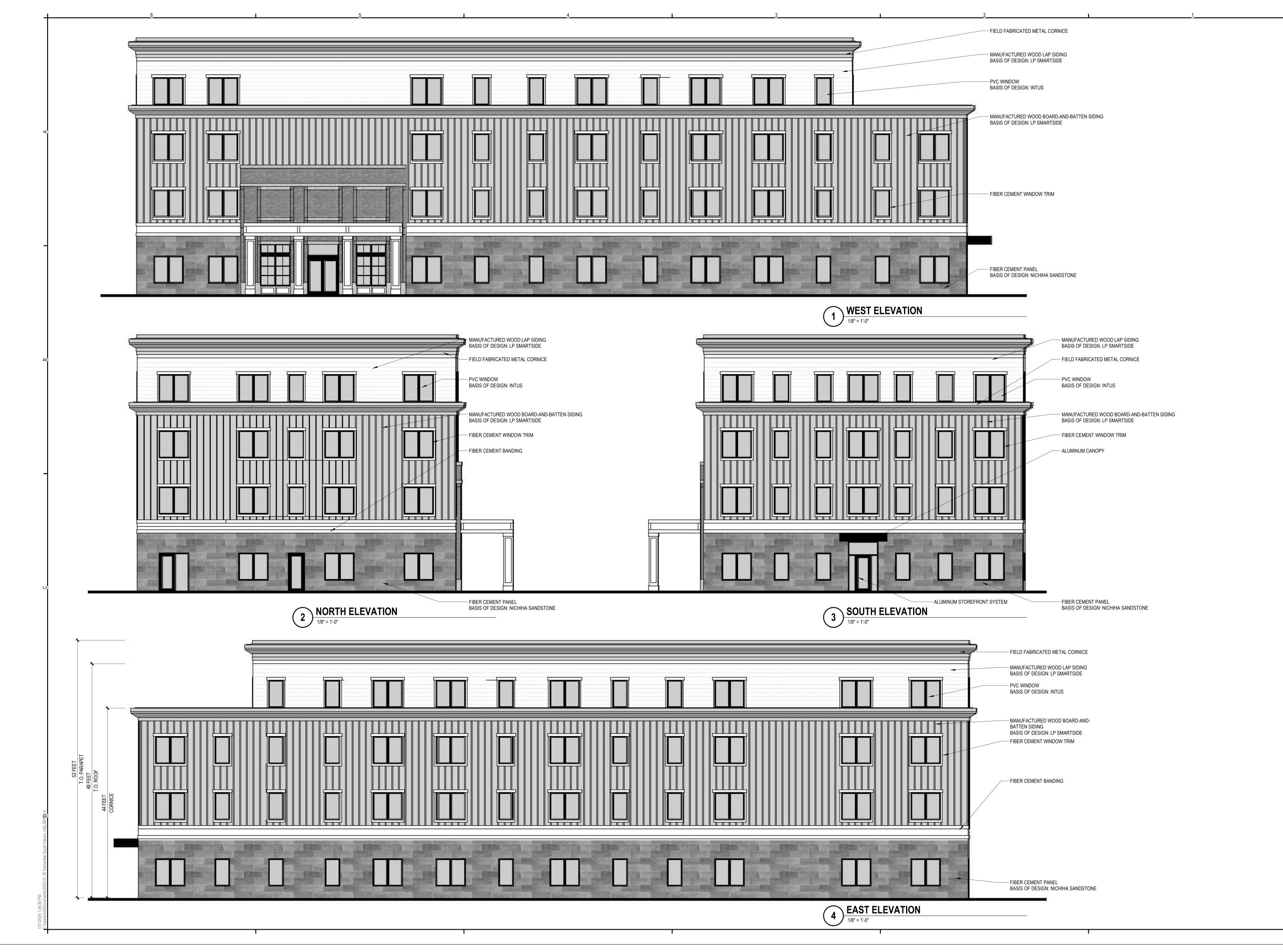
SITE PLAN APPROVAL 01/31/2025

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JAMES LEWIS

MATT DIXON BRENT BOWEN

PROJECT NUMBER

24-014

South Haven ly Residential

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RIOT RUCTIONS
CONSTRUCTIONS

ISSUANCE SITE PLAN APPROVAL

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SHEET NAME

PRESENTATION ELEVATIONS







NORTH PERSPECTIVE
NOT TO SCALE



NORTHEAST PERSPECTIVE
NOT TO SCALE



4 ENTRY DETAIL

NOT TO SCALE



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BRENT BOWEN

PROJECT NUMBER

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ISSUANCE

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SHEET NAME

PRESENTATION RENDERINGS