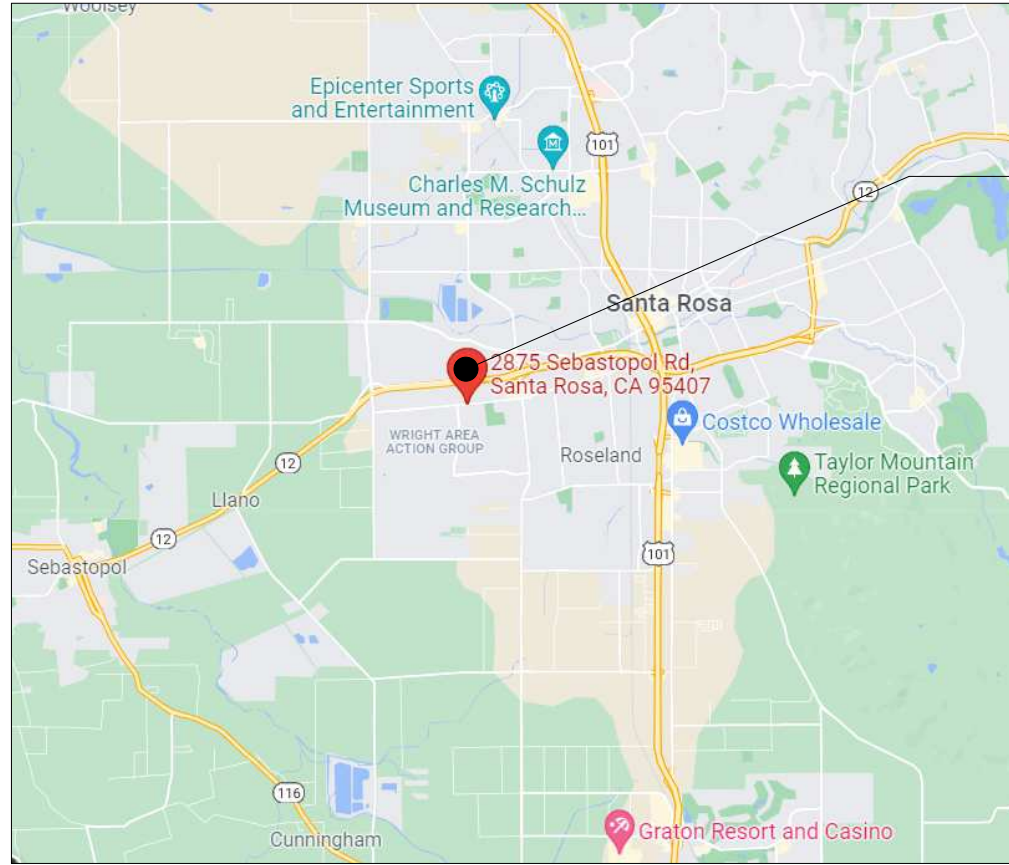
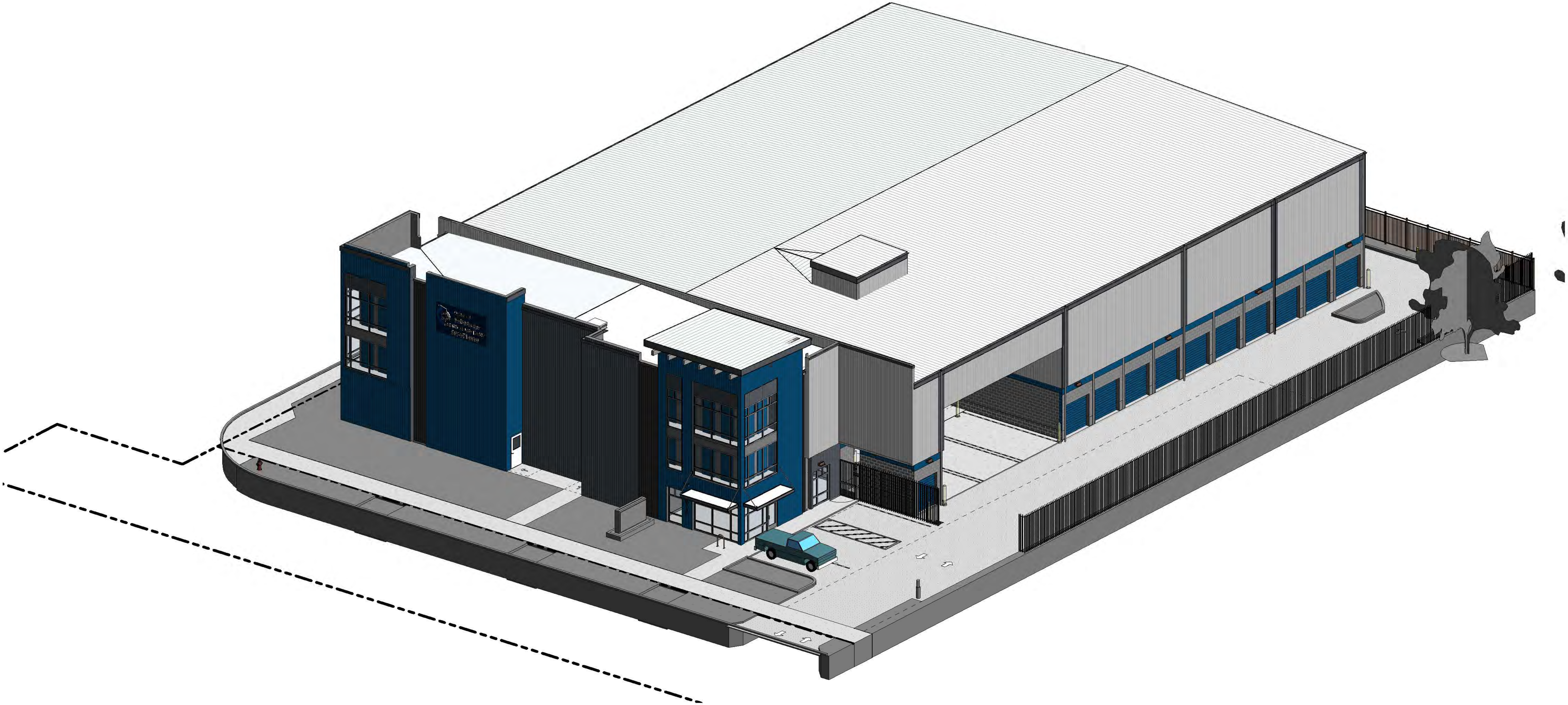


C:\Users\alex.karanja\Documents\2026 SR #2_ Revit 21 - 23.03.09_Alex.Karanja@jacksonmain.com.rvt

WCSS - SEBASTOPOL RD

2875 SEBASTOPOL RD
SANTA ROSA, CA 95407
DESIGN REVIEW APPLICATION
MAY 16 2021

City of Santa Rosa
Planning & Economic
Development Department
Mar 13, 2023
RECEIVED



OWNER
WEST COAST SELF STORAGE

808 134TH ST SW BLDG B, SUITE 211
EVERETT, WASHINGTON 98204
PHONE: 408 636 4543
EMAIL: stangney@wcselfstorage.com
CONTACT: Steve Tangney

ARCHITECT
JACKSON | MAIN ARCHITECTURE P.S.

311 1ST AVE. S.
SEATTLE WA 98104
PHONE: (206) 324 4800
EMAIL: alex.karanja@jacksonmain.com
CONTACT: Alex Karanja
ARCHITECT: Tim Black

CIVIL ENGINEER
BAUER ASSOCIATES INC.

6470 MIRABLE RD, P O BOX 460
FORESTVILLE, WA 98436
PHONE: 707 884 2505
EMAIL: ar@bauergeotech.com
CONTACT: Arthur H. Graff - Geo Tech Eng

STRUCTURAL ENGINEER
SUMMIT ENGINEERING

463 AVIATION BLVD STE 200
SANTA ROSA, CALIFORNIA 95403
PHONE: 707 527 0775
EMAIL: monica@summit-sr.com
CONTACT: Monica Shah PE -PM.

MECHANICAL & PLUMBING ENGINEER
LMR CONSULTING MECHANICAL ENGINEERS

1165 A STREET
SANTA CLARA, CA 95051
PHONE: 510 7332330
EMAIL: team@lmrengineers.com
CONTACT: Leonard M. Rose - Principal PE

ELECTRICAL ENGINEER
AMERICAN CONSULTANT ENGINEERS ELECTRICAL INC.

100 SARATOGA AVE, SUITE 200
SANTA CLARA, CA 95051
PHONE: 408 236 2312
EMAIL: rgarcia@amceinc.com
CONTACT: Renier C. Garcia

LANDSCAPE ARCHITECT
BILL RINEHART

118 ENGLISH ST
PETALUMA, CA 94952
PHONE: 707 480-4451
EMAIL: bill@johnsonrinhart.com
CONTACT: Bill Rinehart ASLA

LEGAL DESCRIPTION

PARCEL NUMBER : 035-251-037-000

PARCEL ONE:

COMMENCING AT A POINT IN THE CENTER OF THE COUNTY ROAD LEADING FROM SANTA ROSA TO SEBASTOPOL, DISTANT SOUTH 85° 14' WEST, 560 FEET FROM THE SOUTHEASTERLY CORNER OF THE TRACT DESCRIBED IN THE DEED FROM EXCHANGE BANK, A CORPORATION, TO ALFRED POULSEN, DATED AUGUST 10, 1944 AND RECORDED AUGUST 12, 1944 UNDER SERIAL NO. B-80767, SONOMA COUNTY RECORDS; THENCE NORTH 5° 07' WEST, 135 FEET TO THE ACTUAL PLACE OF BEGINNING OF THE LANDS TO BE HEREIN DESCRIBED; THENCE CONTINUING NORTH 5° 07' WEST, 135 FEET; THENCE SOUTH 85° 14' WEST 117.20 FEET, MORE OR LESS, TO A POINT ON THE WESTERLY LINE OF SAID TRACT; THENCE SOUTH 5° EAST, ALONG THE SAID WESTERLY LINE 135 FEET TO A POINT THAT WILL INTERSECT A LINE EXTENDING SOUTH 85° 14' WEST, FROM THE PLACE OF BEGINNING, THENCE NORTH 85° 14' EAST 117.20 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

EXCEPTING HOWEVER, THE PORTION THEREOF LYING WITHIN THE BOUNDARIES OF THE 40-FOOT STRIP, AS CONVEYED TO THE COUNTY OF SONOMA, BY DEED RECORDED DECEMBER 28, 1956 UNDER RECORDER'S SERIAL NO. F-1771, IN BOOK 1491 OF OFFICIAL RECORDS, PAGE 438.

PARCEL TWO:

BEGINNING AT A POINT IN THE CENTER OF THE COUNTY ROAD LEADING FROM SANTA ROSA TO SEBASTOPOL DISTANT THEREON SOUTH 85° 14' WEST 560 FEET FROM THE SOUTHEASTERLY CORNER OF THE TRACT DESCRIBED IN THE DEED FROM EXCHANGE BANK, A CORPORATION, TO ALFRED POULSEN DATED AUGUST 10, 1944 AND RECORDED AUGUST 12, 1944 IN BOOK 617 OF OFFICIAL RECORDS, PAGE 24 AS SERIAL NO. B-80767; THENCE NORTH 5° 07' WEST, 135 FEET; THENCE SOUTH 85° 14' WEST, 117.20 FEET, MORE OR LESS, TO A POINT ON THE WESTERLY LINE OF SAID TRACT; THENCE SOUTH 5° EAST ALONG THE SAID WESTERLY LINE OF SAID TRACT, 135 FEET TO THE SOUTHWESTERLY CORNER OF SAID TRACT IN THE CENTER LINE OF SAID COUNTY ROAD; THENCE NORTH 85° 14' EAST 117.20 FEET TO THE PLACE OF BEGINNING.

PARCEL THREE:

BEGINNING AT A POINT IN THE CENTER OF THE COUNTY ROAD LEADING FROM SANTA ROSA TO SEBASTOPOL, DISTANT SOUTH 85° 14' WEST 480 FEET FROM THE SOUTHEASTERLY CORNER OF THE TRACT DESCRIBED IN THE DEED FROM THE EXCHANGE BANK, A CORPORATION, TO ALFRED POULSEN, DATED AUGUST 10, 1944 AND RECORDED AUGUST 12, 1944, UNDER RECORDER'S SERIAL NO. B-80767, SONOMA COUNTY RECORDS; THENCE NORTH 5° 07' WEST, 270 FEET; THENCE SOUTH 85° 14' WEST, 80 FEET; THENCE SOUTH 5° 07' EAST, 270 FEET TO A POINT IN THE CENTER OF SAID ROAD; THENCE NORTH 85° 14' EAST, 80 FEET TO THE PLACE OF BEGINNING.

SHEET INDEX

SHEET INDEX

SHEET NO.	SHEET NAME	SUBMITTAL - DR
G0.00	COVER SHEET	•
G0.05	ZONING INFORMATION	•
GENERAL		
C2.0	OVERALL SITE PLAN	•
C4.0	GRADING DRAINAGE PLAN	•
C8.0	SECTIONS	•
C9.0	DETAILS	•
C9.1	DETAILS	•
LANDSCAPE		
L1	PRELIMINARY LANDSCAPE PLAN	•
ARCHITECTURAL		
A1.00	ARCHITECTURAL SITE PLAN	•
A1.01	ENLARGED SITE PLANS	•
A1.02	SITE DETAILS - BARRIER	•
A2.01	FLOOR PLAN - LEVEL 01	•
A2.02	FLOOR PLAN - LEVEL 02	•
A2.03	FLOOR PLAN - LEVEL 03	•
A2.04	ROOF PLAN	•
A3.01	EXTERIOR ELEVATIONS	•
A3.02	EXTERIOR ELEVATIONS	•
A10.01	PROJECT IMAGERY	•
ELECTRICAL		
E1.0	SYMBOLS AND ABBREVIATIONS, LIST OF DRAWINGS	•
E1.1	ELECTRICAL SITE PLAN - LIGHTING	•

PROJECT DESCRIPTION

CONSTRUCTION OF A 62,000sf, 3-STORY, FULLY CONTAINED, CLIMATE CONTROLLED SELF-STORAGE FACILITY WITH INTEGRAL LEASING OFFICE AND RETAIL AREA ALONG WITH ASSOCIATED SITE IMPROVEMENTS AND LANDSCAPING.

ZONING:

LIGHT INDUSTRIAL (IL) SRMC 20-24.040

OCCUPANCY CLASSIFICATION :

S-1 SELF-STORAGE

CODE INFORMATION:

REFERENCE SHEETS G0.02 CODE ANALYSIS



PROGRESS SET -
NOT FOR CONSTRUCTION

WEST COAST SELF STORAGE
GROUP
808 134TH ST SW, BUILDING B STE 211.
EVERETT WA. 98204

WCSS - SEBASTOPOL RD
2875 SEBASTOPOL RD
SANTA ROSA, CA 95407

DATE	NO.	DESCRIPTION
05/16/2021	3	DESIGN REVIEW - REVISION PLAN
07/29/22	5	DESIGN REVIEW REVISION PLAN #2
02/28/23	6	PLAN CHECK CORRECTION RESPONSE #1



03/09/2023
PROJECT NO.: 21085
PROJECT MGR.: T.B
DRAWN BY: A.K
CHECKED BY: T.B

COVER SHEET

G0.00

JACKSON | MAIN ARCHITECTURE P.S. © 2021

ZONING INFORMATION

TOTAL BUILDING UNIT MIX				
UNIT SIZE	Count	Area	Total Area	Percentage
5x5	145	25 SF	3,625 SF	23%
5x10	155	50 SF	7,750 SF	25%
5x15	75	75 SF	5,325 SF	18%
7x10	43	75 SF	3,225 SF	7%
10x10	113	100 SF	11,300 SF	18%
10x15	20	150 SF	3,000 SF	3%
10x20	24	200 SF	4,800 SF	4%
10x30	3	300 SF	900 SF	0%
CS1M	63		5,436 SF	11%
CS1M 2 (10x17.5)	2	175 SF	349 SF	0%
Total: 629			45,710 SF	

JACKSON MAIN Architecture, P.S. 311 First Avenue South Seattle, Washington 98104 206.374-4900 P		ZONING ANALYSIS Date: 03/09/23 Alex Karanja	
PROJECT NAME SITE ADDRESS OWNER/ APPLICANT EMAIL TELEPHONE BUSINESS ADDRESS PARCEL NUMBER(S) LEGAL DESCRIPTION SECTION, TOWNSHIP & RANGE FLOOD PLAIN, TSUNAMI OR OTHER HAZARD AREA FINDINGS PER CODE		Santa Rosa #2 Sebastopol 2875 Sebastopol Road Steve Tangney stangney@cpselfstorage.com 408. 836-4543 West Coast Self-Storage (WCSS) 808 134th St SW, Bldg B, Ste 211, Everett, WA 98204 035-251-037-000 Way too long to fit here- reference Kissler Trust Letter Not Defined: "Within Rancho Llano de Santa Rosa" None Santa Rosa Municipal Code (SRMC)	
Job #: 21085 95407			
DEVELOPMENT AREAS			
TOTAL SITE AREA:		SQUARE FEET 37,230	ACRES 0.85
MAX. ALLOWABLE LOT COVERAGE:		SRMC 20-24.040	85.01%
LOT COVERAGE:		SQUARE FOOTAGE	PERCENTAGE
BUILDING FOOTPRINT:		21,560 sf	57.9%
TOTAL LOT COVERAGE		21,560 sf	57.9%
TOTAL LANDSCAPED AREA:		5,524 sf	14.8%
SITE ZONING			
COMP PLAN DESIGNATION:		Light Industrial (IL) srmc 20-24.040	
OVERLAY(S) / DESIGN DISTRICT(S):		N/A	
USAGE:		VACANT LAND	
FLOOR AREA RATIO (F.A.R.): SRMC 20-24-40		PROPOSED USAGE	
MAX ALLOWED :		Self Storage	
PROPOSED FOOTPRINT		1.0	=
ALLOWED - PER IBC		62,044 sf	=
ALLOWED - ZONING		70'	=
FIRE		55'	=
MAX HEIGHT/ STORIES:		30'	=
PROVIDED		40'-0"	3-Stories
REQUIRED		37,230	MAX. BLDG FOOTPRINT
STREET / FRONT YARD		Section 504.3 + 504.4	
SIDE YARD		SRMC 20-24-40	
REAR YARD		30' AT ACCESS POINT	
BUILDING SETBACKS			
CODE		REQUIRED	
SRMC 20-24-40		SET BY CUP APPROVAL	
SIDE YARD		26'-6"	
SRMC 20-24-40		SET BY CUP APPROVAL	
REAR YARD		10'-1"	
SRMC 20-24-40		20'-0"	
PARKING SUMMARY			
PARKING AND LOADING AREAS (SRMC2-63.040 TABLE 3-4)			
SELF STORAGE		REQUIRED	
2 FOR MANAGER/CARE TAKER, 1 TO BE COVERED		0	
5 CUSTOMER STALLS		5	
LOADING		2	
TOTAL :		7	
GRAND TOTAL ALL PARKING:		7	
If not in MC then use IBC 1106.1		ACCESSIBLE PARKING:	
1		1	
BICYCLE PARKING		REQUIRED	
SELF STORAGE		0	
OTHER BICYCLE REQUIREMENTS:		2	
STALL SIZES			
Dimensions		Stall Type	
9'0" x 18'0" (w/ 23' Aisle)		STANDARD	
8'0" x 18'0"		COMPACT	
12' x 25'		LOADING/PARKING	
9'0" x 18'0" (w/ 23' Aisle)		ACCESSIBLE	
DROP OFF/ PICK UP ZONE FOR PASSENGER AND DELIVERY		PROVIDED	
BUILDING DATA & OTHER RELEVANT CODES			
CONSTRUCTION TYPE:		IIB	
NO. OF STORIES:		THREE	
OCCUPANCY GROUP(S):		S-1	
PROPOSED BUILDING AREAS (GROSS SF)			
USE		OCC	
RETAIL OFFICE		AREA (sf)	
SELF STORAGE S-1		OCCUPANT LOAD	
TOTAL		61,333	
204		212	
BUILDING UTILITY INFORMATION			
POWER SERVICE PROVIDER:		PG&E	
WATER SERVICE PROVIDER:		SANTA ROSA WATER	
TRASH SERVICE PROVIDER:		NORTH BAY COOPERATION	
GAS SERVICE PROVIDER:		PG&E	
ENVIRONMENTAL			
AHJ GREEN INCENTIVES:		SANTA ROSA CLIMATE ACTION PLAN	
HAZARDOUS MATERIALS:		Remediation Part of Contract	
PHOTO VOTAIOS:		Site Ready Required	
ELEC. CAR STALLS:		Site Ready Optional	
OTHER:		APPLY CONDITIONAL APPROVAL TO PROJECT	

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF SUMMIT ENGINEERING, INC. AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF SUMMIT ENGINEERING, INC.

ABBREVIATIONS:

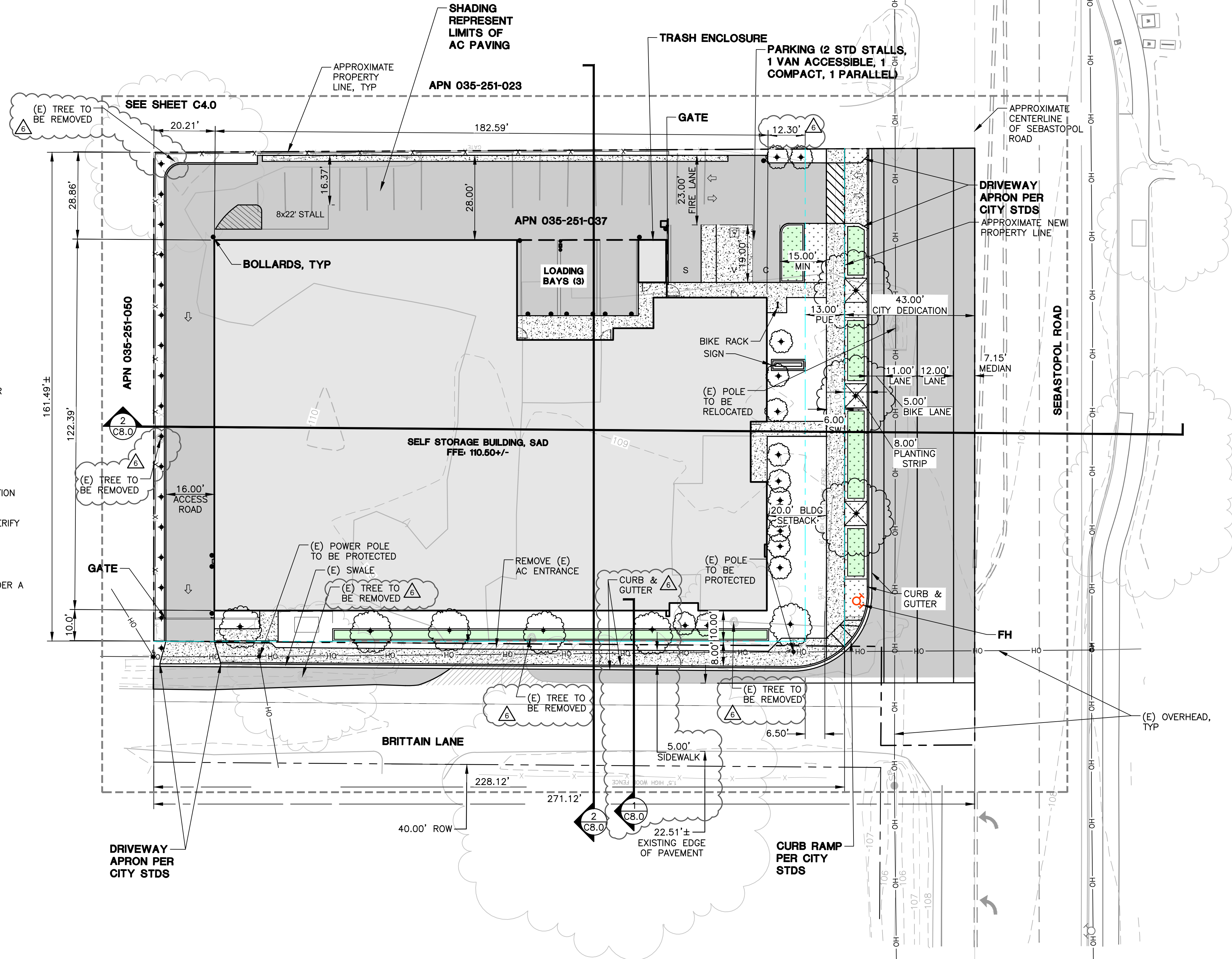
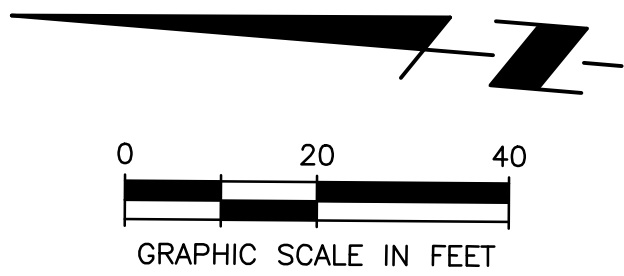
AC	ASPHALT CONCRETE	PIP	PROTECT IN PLACE
AD	AREA DRAIN	PUE	PUBLIC UTILITY EASEMENT
APN	ASSESSOR'S PARCEL NUMBER	PW	PROCESS WASTE
BASMAA	BAY AREA STORMWATER MANAGEMENT AGENCIES' ASSOCIATION	SAD	SEE ARCHITECTURAL DRAWINGS
BFE	BASE FLOOD ELEVATION	SB	SETBACK
BLDG	BLDG	SD	STORM DRAIN
BOT	BOTTOM	SLAD	SEE LANDSCAPE ARCHITECTURAL DRAWINGS
C	CENTERLINE	SS	SANITARY SEWAGE
CONC	CONCRETE	STD	STANDARD
DI	DRAIN INLET	SW	SIDEWALK
DS	DOWNSPOUT	TC	TOP OF CONCRETE
(E)	EXISTING	TD	TRENCH DRAIN
FFE	FINISH FLOOR ELEVATION	TG	TOP OF GRATE
FH	FIRE HYDRANT	TOW	TOP OF WALL
GB	GRADE BREAK	TP	TOP OF PAVEMENT
LIDF	LOW IMPACT DEVELOPMENT FACILITY	TYP	TYPICAL
LL	LOWER LEVEL	UL	UPPER LEVEL
PD	PLANTER DRAIN		

UTILITY LEGEND

EXISTING			
--- (E/ELEC) ---	ELECTRICAL	MANHOLE	
--- (FP) ---	FIRE PROTECTION	FH	
--- (G) ---	GAS	PIV, CV, FDC	
--- (IRR) ---	IRRIGATION	THRUSTBLOCK	
--- (OH) ---	OVERHEAD POWERLINE	HOSE BIBB	
--- (SD) ---	STORM DRAIN (<10"Ø)	CONNECTION POINT	
--- (SS) ---	STORM DRAIN (>10"Ø)	CAP OR PLUG	
--- (SS) ---	SANITARY SEWER (<10"Ø)	CHECK VALVE	
--- (SS) ---	SANITARY SEWER (>10"Ø)	GATE VALVE	
--- (T/TEL) ---	TELEPHONE LINE	REDUCER/ENLARGER	
--- (W) ---	WATER LINE	CLEANOUT	
		DOWNSPOUT	
		RIPRAP ENERGY DISSIPATOR	
NEW			
--- (E/ELEC) ---	ELECTRICAL	FH	
--- (FP) ---	FIRE PROTECTION	PIV, CV, FDC	
--- (G) ---	GAS	SPRINKLER RISER	
--- (IRR) ---	IRRIGATION	THRUSTBLOCK	
--- (OH) ---	OVERHEAD POWERLINE	HOSE BIBB	
--- (SD) ---	STORM DRAIN	CONNECTION POINT	
--- (SS) ---	SANITARY SEWER	CAP OR PLUG	
--- (T/TEL) ---	TELEPHONE LINE	CHECK VALVE	
--- (W) ---	WATER LINE	GATE VALVE	
--- (W) ---	REMOVE OR ABANDON	REDUCER/ENLARGER	
		CLEANOUT	
		DOWNSPOUT	
		RIPRAP ENERGY DISSIPATOR	

NOTES:

- ALL CUTS AND FILL SLOPES SHALL BE PLANTED WITH EROSION RESISTANT VEGETATION UPON COMPLETION OF GRADING OR NO LATER THAN OCTOBER 1ST.
- LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. CONTRACTOR TO VERIFY SIZE, LOCATION AND DEPTH IN FIELD PRIOR TO CONSTRUCTION.
- SUBGRADE PREPARATION PAVEMENT THICKNESS PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- MODIFICATIONS TO ANY UTILITIES WITHIN THE CITY RIGHT OF WAY TO BE DONE UNDER A SEPARATE ENCROACHMENT PERMIT.
- SURFACE CONTOURS AND GROUND ELEVATIONS PER SURVEY FROM CINQUINI & PASSARINO DATED JUNE 2021.



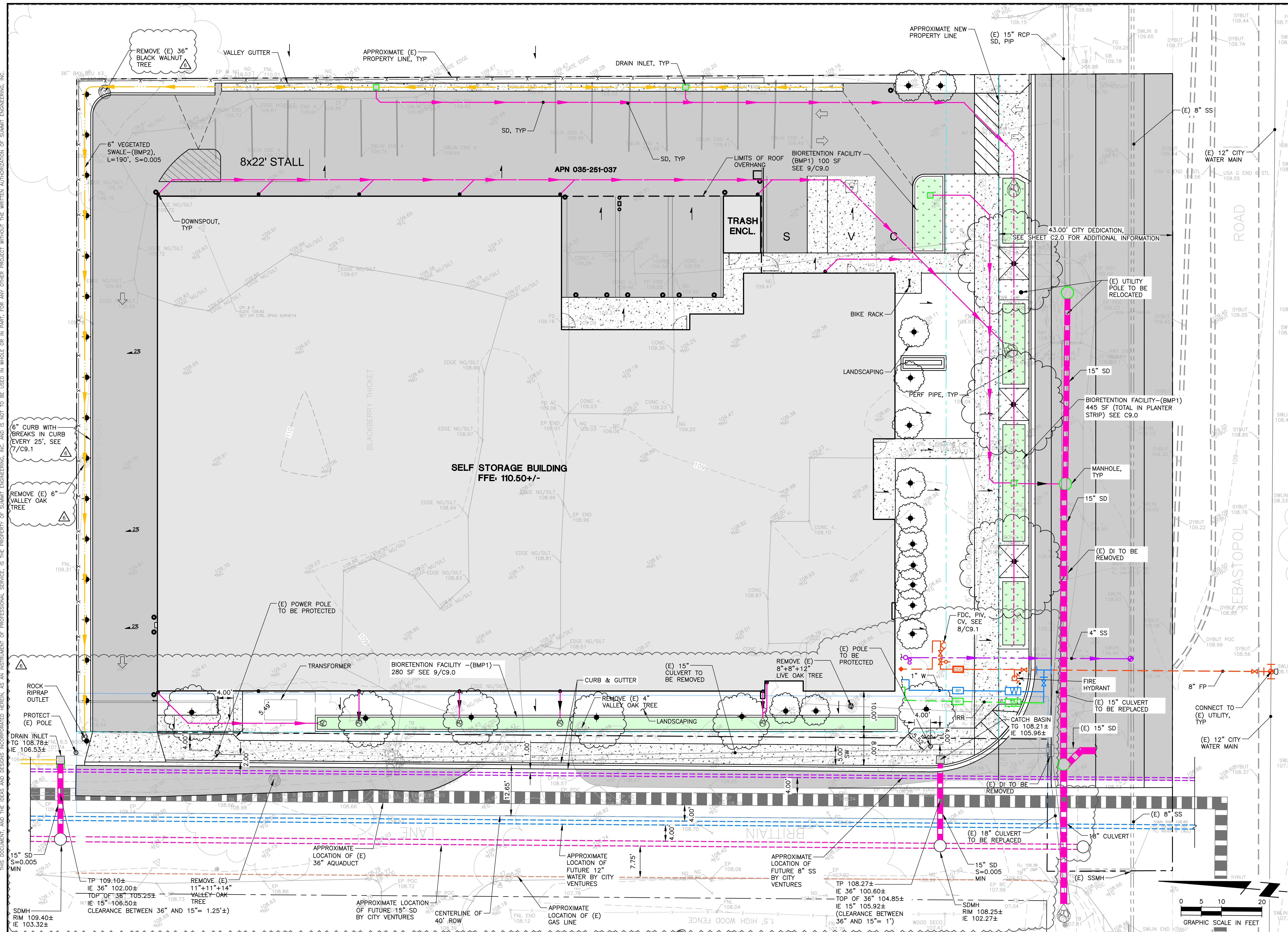
SANTA ROSA, CA 95407

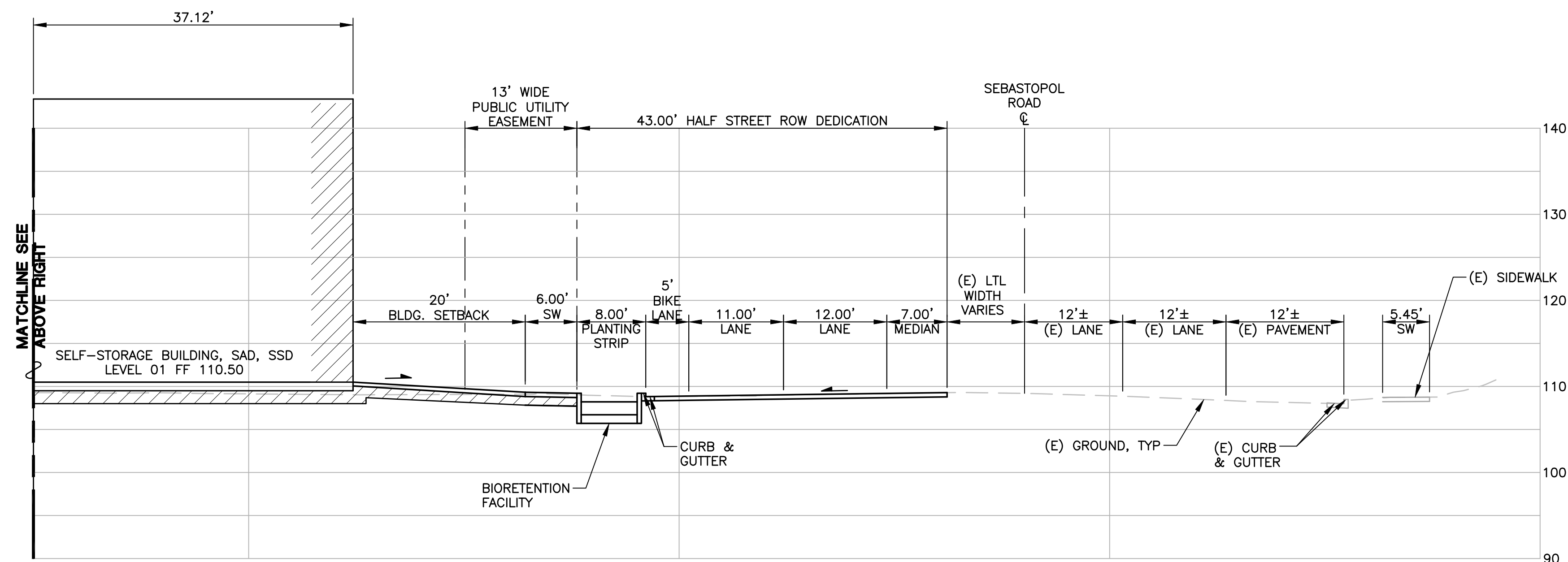
GRADING AND DRAINAGE PLAN

	2022-05-13 DESIGN REVIEW
	2023-02-17 VARIANCE UPDATES
	2023-02-28 PLAN CHECK REVISION

PRELIMINARY
NOT FOR CONSTRUCTION

DATE: 2023-02-21
JOB NO: 202114
SCALE: AS SHOWN
DRAWN: B
CHECKED: M
SHEET C40





BRITAIN LANE

12.0'± LANE

12.0'± LANE

5.00' SW

11.14'

SELF-STORAGE BUILDING, SAD, SSD
LEVEL 01 FF 110.50

8.00' SW

25.00' TRUCK PARKING

28.00' ACCESS ROAD

APPROXIMATE PROPERTY LINE

VALLEY GUTTER

(E) GROUND, TYP

OVEREXCAVATION & RECOMPACTION
PER SOILS REPORT, LIMITS SHOWN
ARE APPROXIMATE

CURB & GUTTER

BIORETENTION FACILITY

LANDSCAPING, SLAD



Summit Engineering, Inc.
463 Aviation Blvd., Suite 200 • Santa Rosa, CA 95403
707-527-0775 • www.summit-sr.com

WEST COAST SELF STORAGE
2875 SEBASTOPOL ROAD
SANTA ROSA, CA 95407
APN 036-251-037

DESIGN REVIEW

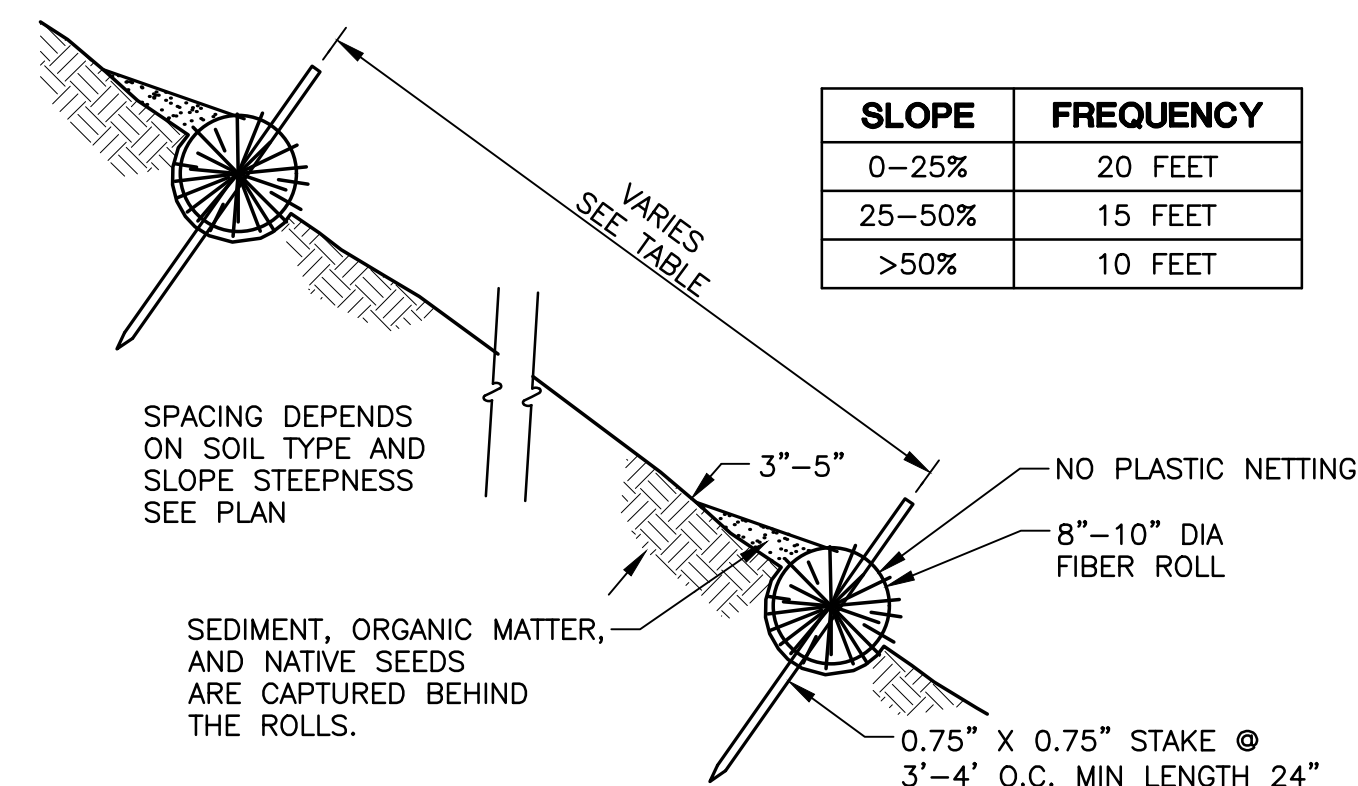
SECTIONS

	2022-05-13 DESIGN REVIEW
	2023-02-17 VARIANCE UPDATES
Δ	2023-02-28 PLAN CHECK REVISIONS

PRELIMINARY
NOT FOR CONSTRUCTION

DATE:	2023-02-27
JOB NO:	2021148
SCALE:	AS SHOWN
DRAWN:	BG
CHECKED:	MS
SHEET	

C8.0
3 OF 5

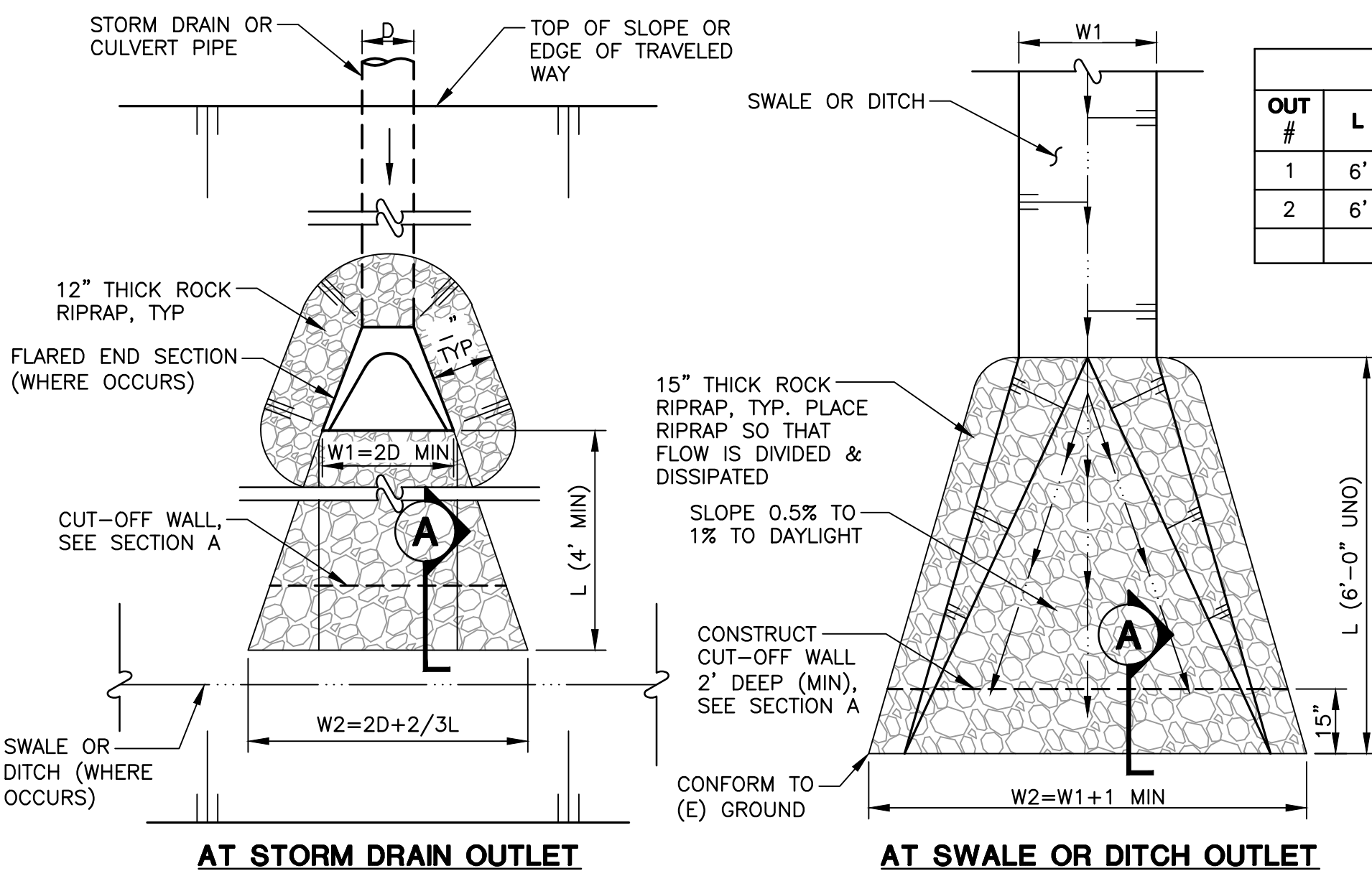


NOTES:

1. IMPLEMENTATION, SPECIFICATIONS, AND MAINTENANCE PER CASQA BMP HANDBOOK STANDARD SE-5.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, TRENCH DEPTH SHOULD BE 1/4 TO 1/3 OF THE THICKNESS OF THE ROLL, AND THE WIDTH SHOULD EQUAL THE ROLL DIAMETER, IN ORDER TO PROVIDE AREA TO BACKFILL THE TRENCH. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
3. ENDS OF ADJACENT ROLLS SHALL OVERLAP 1' MINIMUM.
4. FIBER ROLLS MUST BE PLACED ALONG SLOPE CONTOURS.
5. EXPOSED SLOPES SHALL HAVE FIBER ROLLS INSTALLED ALONG THE TOE OF SLOPE, AT GRADE BREAKS, AND IN ACCORDANCE WITH THE TABLE ABOVE.
6. FIBER ROLLS SHALL NOT BE PLACED ALONG THE TOP OF CUT SLOPES UPHILL OF THE GRADE BREAK.

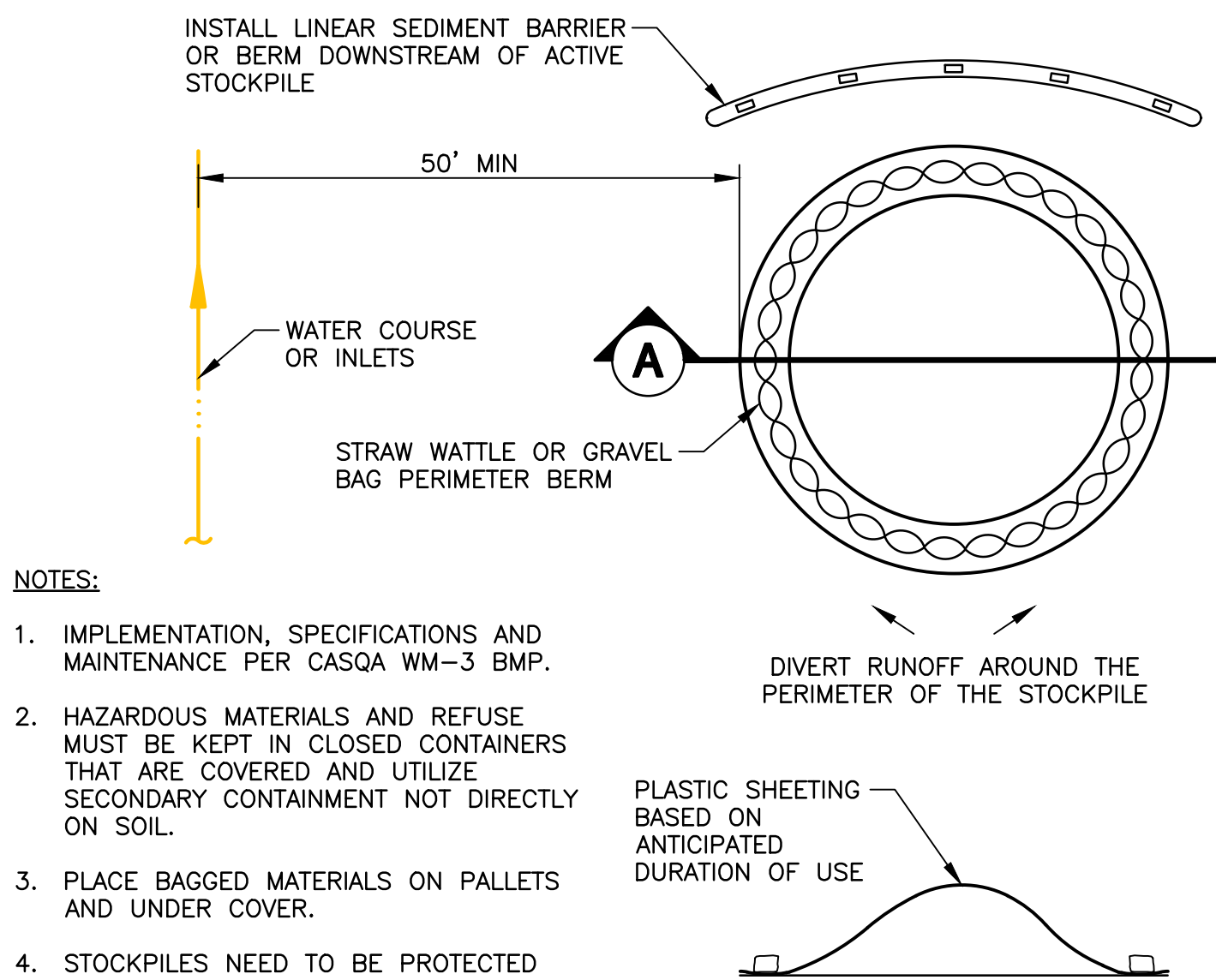
FIBER ROLL

NTS ER013



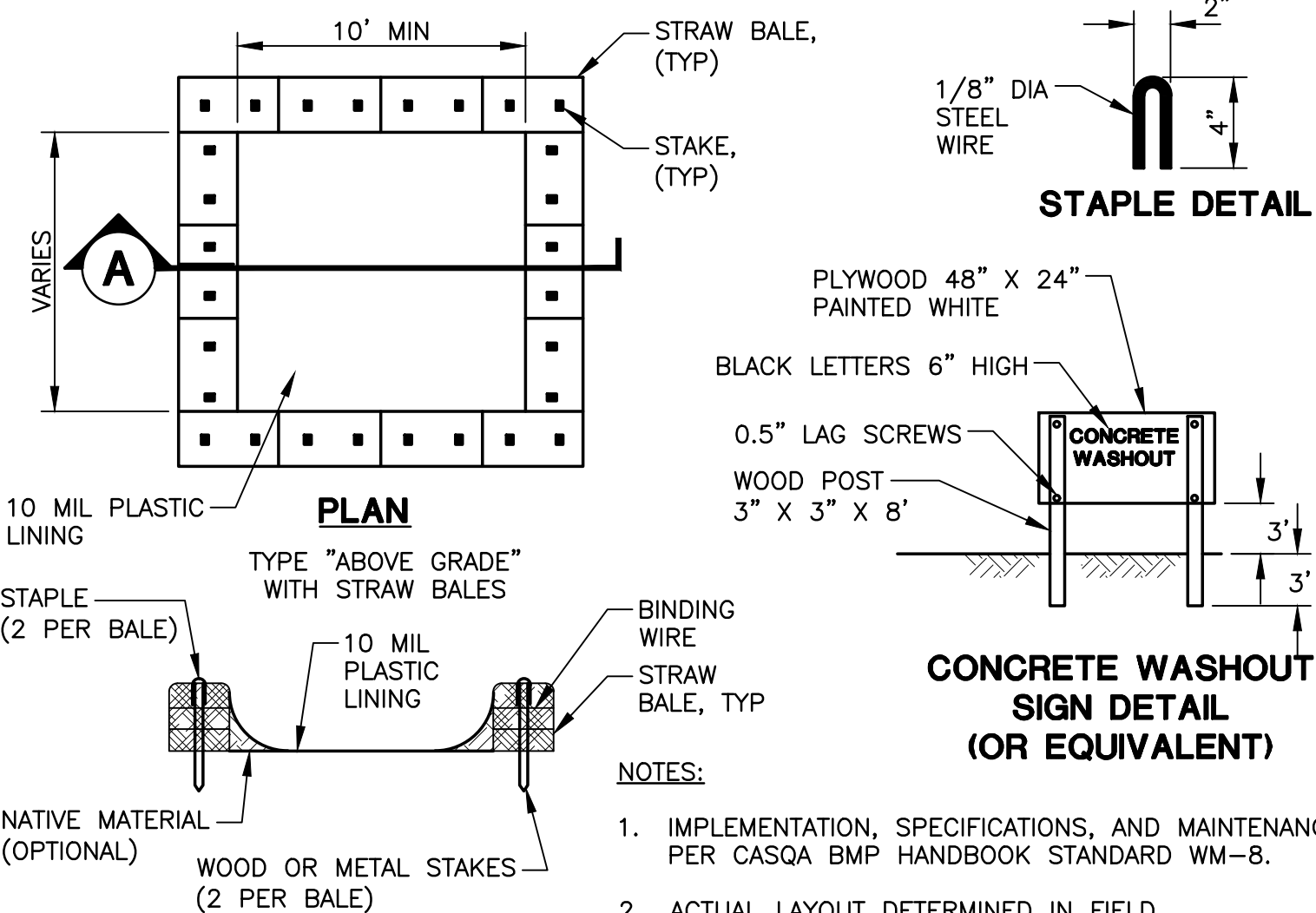
RIPRAP ENERGY DISSIPATOR

NTS DB002



STOCKPILE BMP

NTS ER025

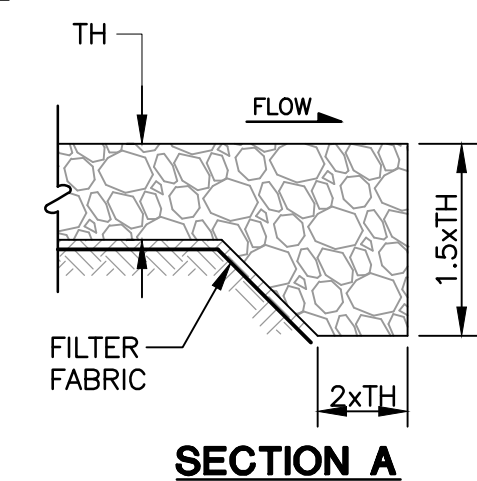


SECTION A

CONCRETE WASHOUT

NTS ER019

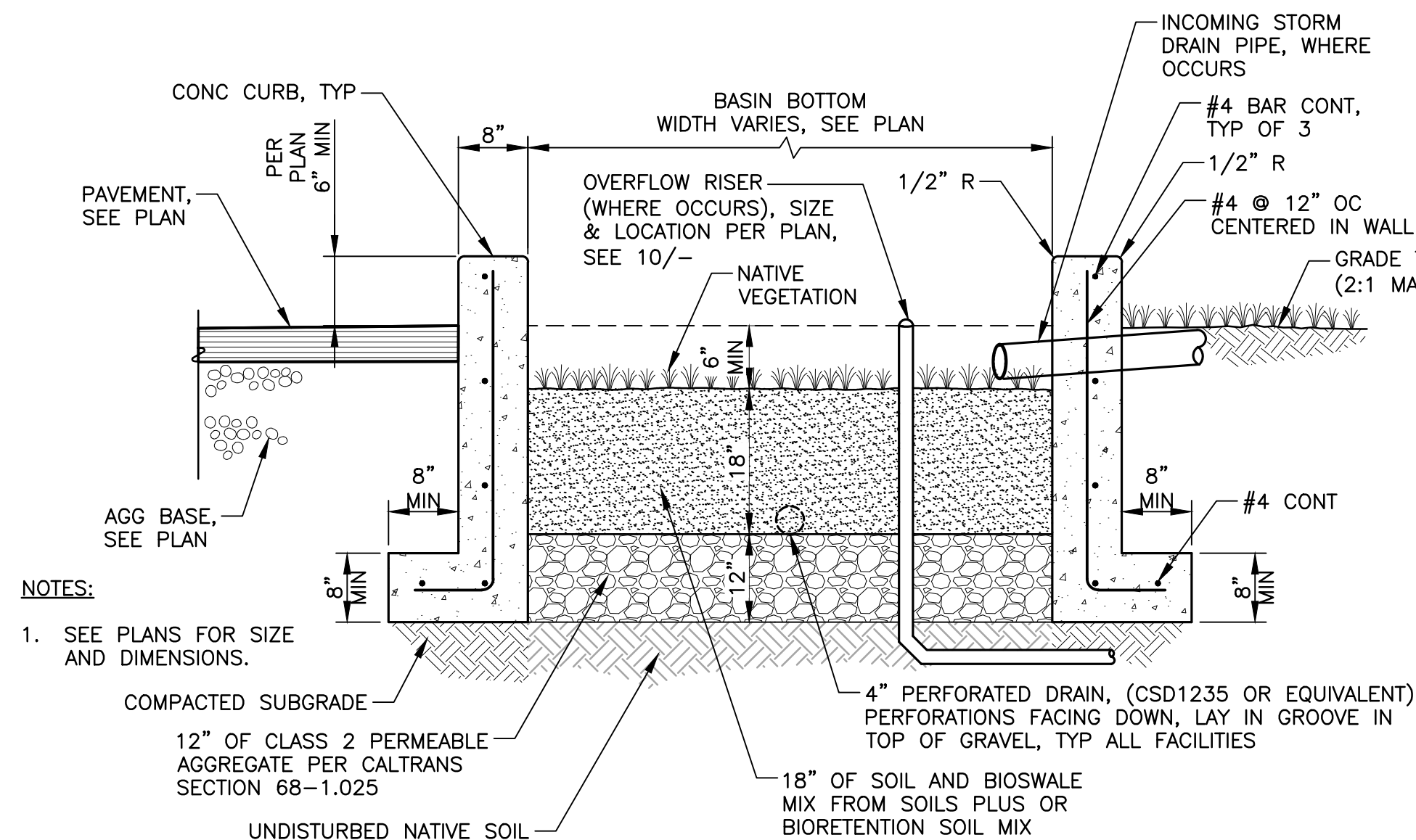
OUTLET TABLE					
OUT #	L	TH	W1	W2	ROCK SIZE
1	6'	1.5'	3'	4'	No. 3
2	6'	1.5'	6'	7'	No. 3



SECTION A

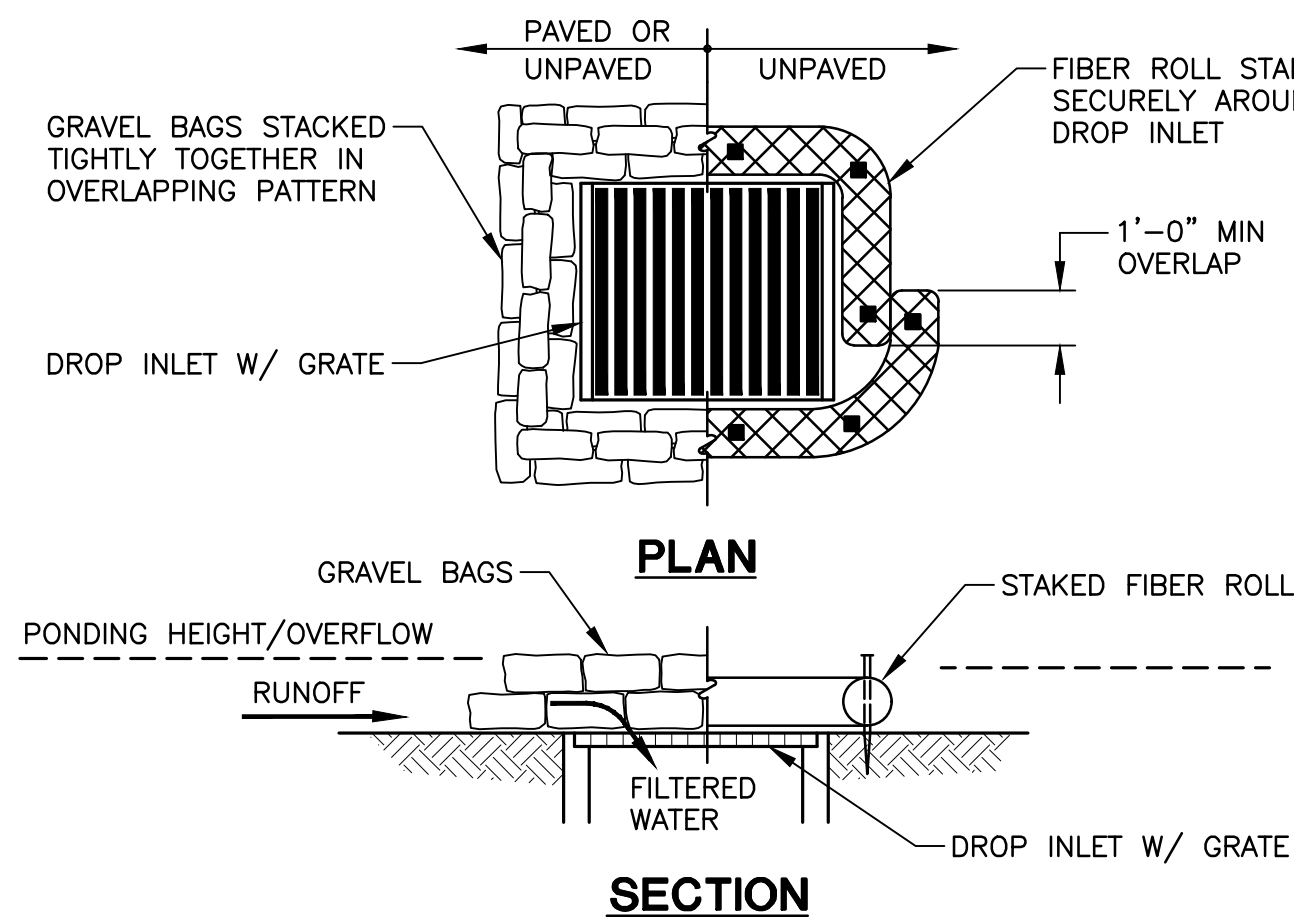
BIORETENTION FACILITY W/ VERTICAL SIDES

NTS DR036B



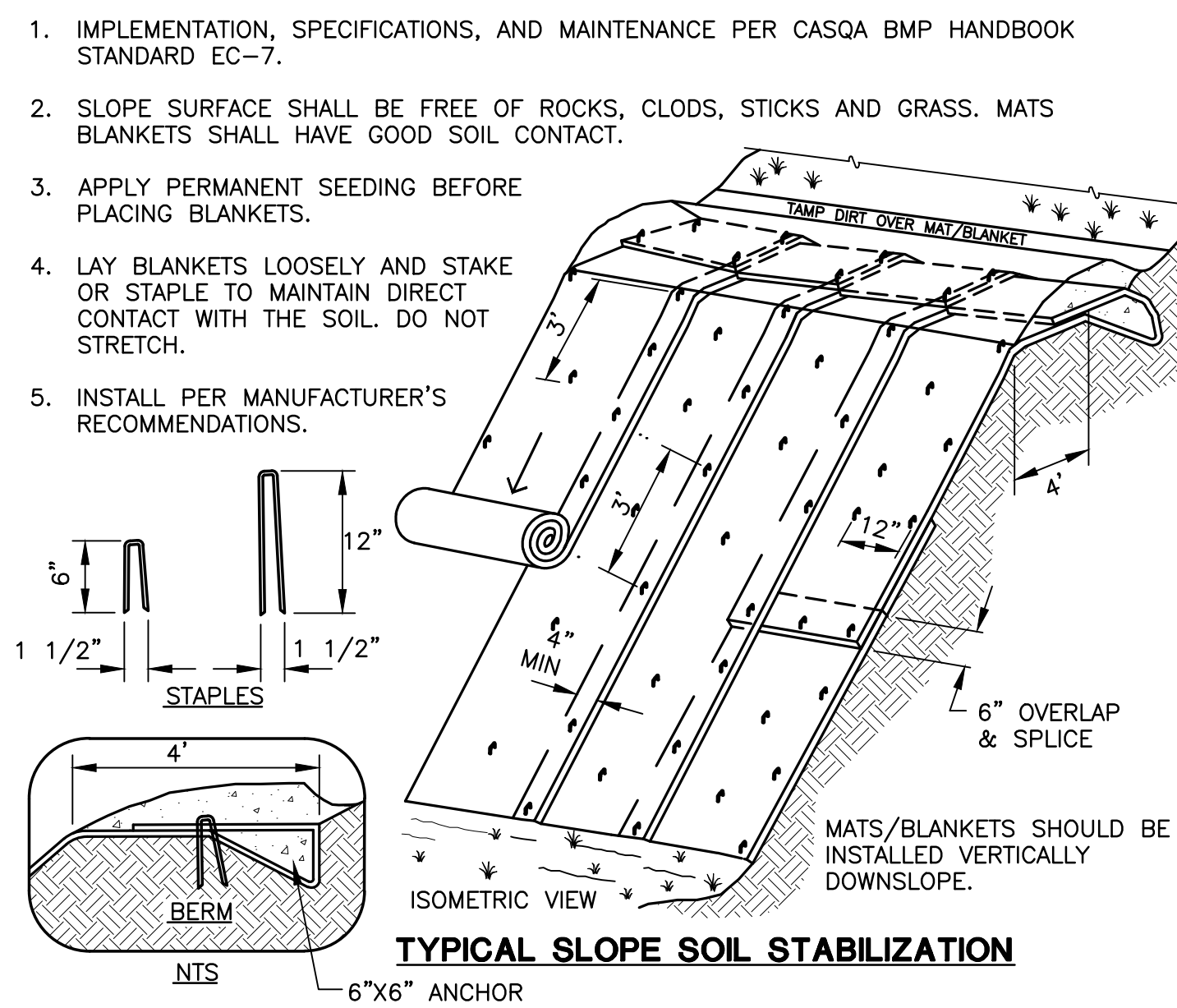
BIORETENTION FACILITY W/ VERTICAL SIDES

NTS DR036B



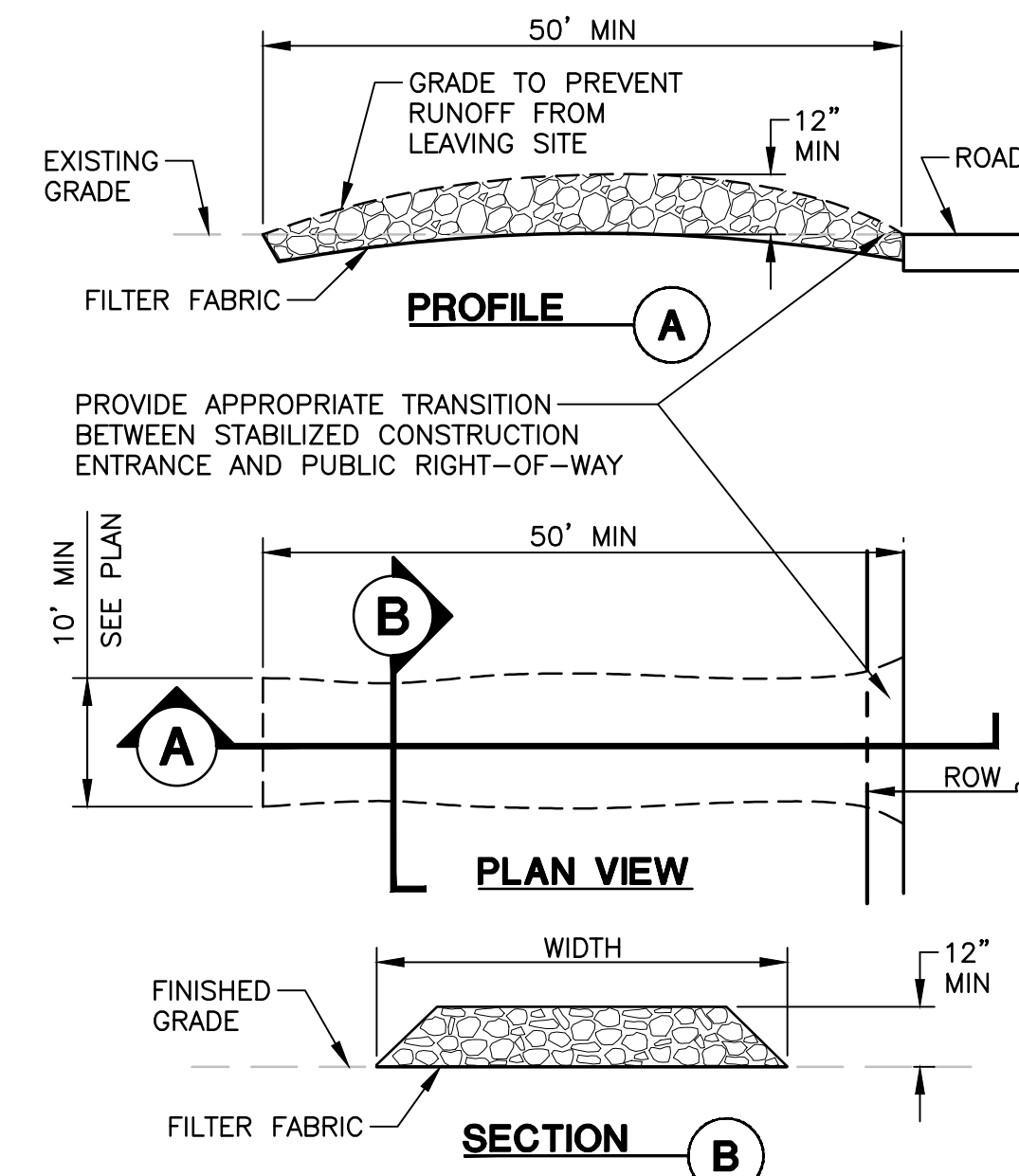
DROP INLET FIBER ROLL/ GRAVEL BAG FILTER

NTS ER023

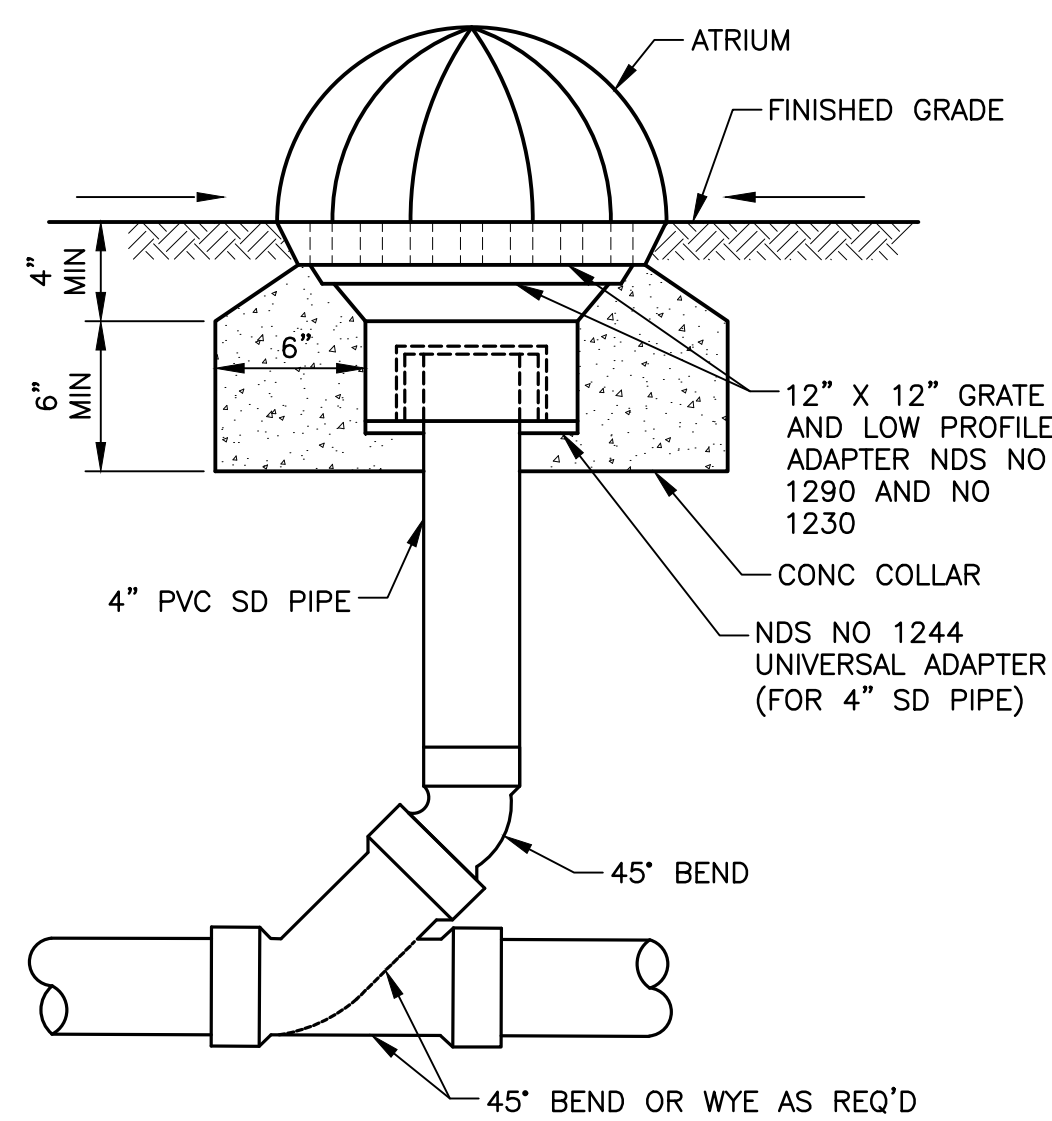


EROSION CONTROL MAT INSTALLATION

NTS FR015B



STABILIZED CONSTRUCTION ENTRANCE/EXIT

NTS FR018

OVERFLOW RISER

NTS

SLOPE	FREQUENCY
0-25%	20 FEET
25-50%	15 FEET
>50%	10 FEET

OUTLET TABLE					
OUT #	L	TH	W1	W2	ROCK SIZE
1	6'	1.5'	3'	4'	No. 3
2	6'	1.5'	6'	7'	No. 3

WEST COAST SELF STORAGE

DESIGN REVIEW

DETAILS

PRELIMINARY
NOT FOR CONSTRUCTION

DATE: 2023-02-27
JOB NO: 2021148
SCALE: AS SHOWN
DRAWN: BG
CHECKED: MS
SHEET

C9.0
4 OF 5



C ACER RUBRUM 'OCTOBER GLORY'
PRESCRIBED BY SANTA ROSA'S STREET TREE MASTER PLAN FOR SEBASTOPOL ROAD, NEAR OVERHEAD UTILITIES



D PRUNUS C. 'KRAUTER VESUVIUS'
PRESCRIBED BY SANTA ROSA'S STREET TREE MASTER PLAN FOR SECONDARY STREET TREES ALONG SEBASTOPOL ROAD



E GINKGO 'FASTIGIATA'



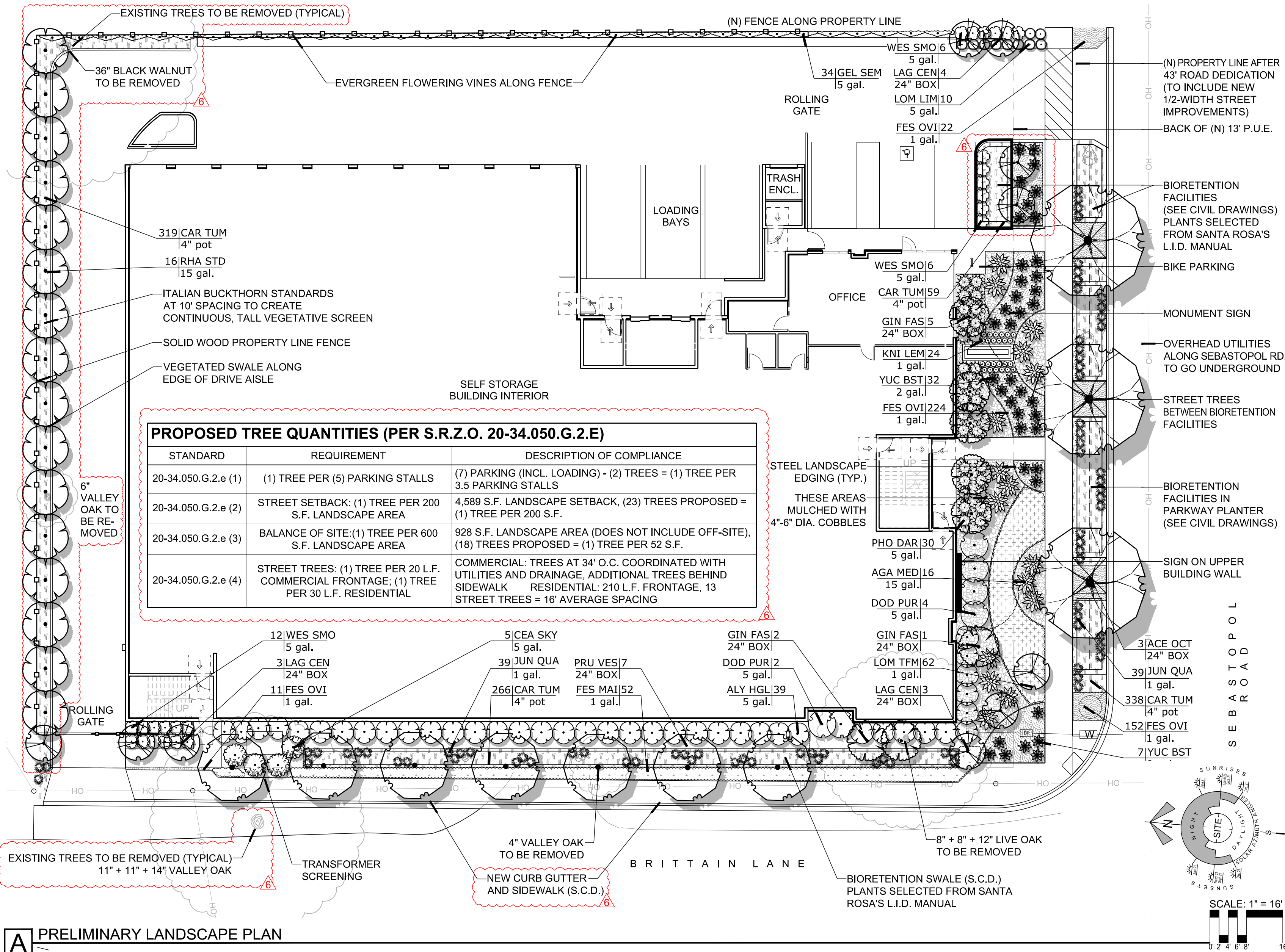
F RHAMNUS ALATERNUS



G LAGERSTROEMIA 'CENTENNIAL SPIRIT'

PLANT SCHEDULE

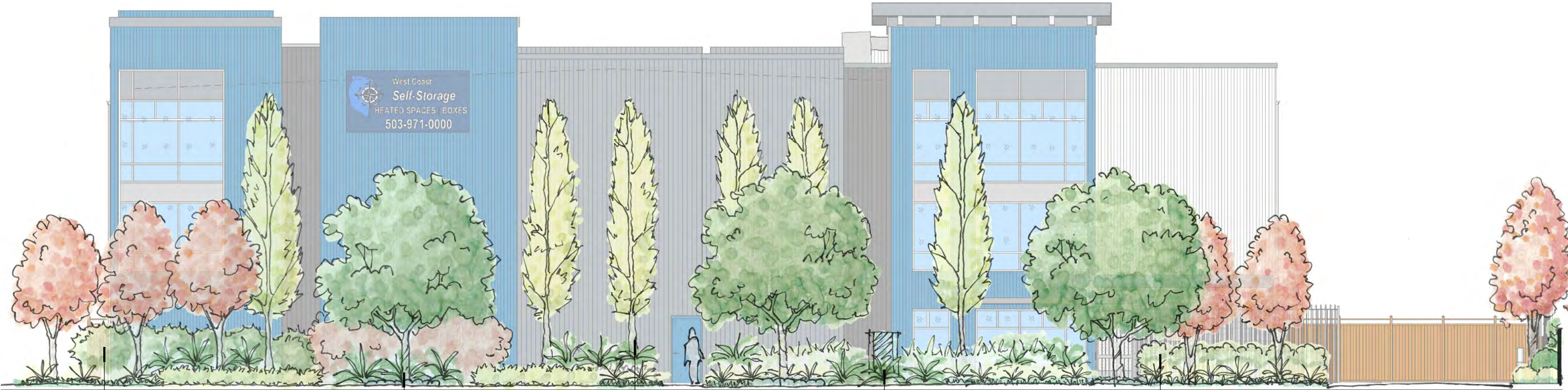
TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	WATER USE
	ACE OCT	ACER R. 'OCTOBER GLORY'	RED MAPLE	24" BOX	3	MED
	GIN FAS	GINKGO BILOBA 'FASTIGIATA'	COLUMNAR GINKGO	24" BOX	8	MED
	LAG CEN	LAGERSTROEMIA L. 'CENTENNIAL SPIRIT'	COLUMNAR CRAPE MYRTLE	24" BOX	10	LOW
	PRU VES	PRUNUS C. 'KRAUTER VESUVIUS'	PURPLE-LEAF PLUM	24" BOX	7	LOW
	RHA STD	RHAMNUS A. 'JOHN EDWARDS'	ITALIAN BUCKTHORN TREE	15 GAL.	16	LOW
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	WATER USE
	AGA AUR	AGAVE A. 'MEDIOPICTA ALBA'	WHITE STRIPED AGAVE	15 GAL.	16	LOW
	ALY HGL	ALYOGYNE HUEGELII	BLUE HIBISCUS	5 GAL.	39	LOW
	CEA SKY	CEANOTHUS THYRSIFLORUS 'SKYLARK'	SKYLARK BLUEBLOSSOM	5 GAL.	4	LOW
	DOD PUR	DODONAEA VISCOSA 'PURPUREA'	PURPLE HOPSEED BUSH	5 GAL.	6	LOW
	JUN QUA	JUNCUS P. 'QUARTZ CREEK'	PACIFIC RUSH	1 GAL.	78	LOW
	KNI LEM	KNIPHOFIA X 'BANANA POPSICLE'	DWARF HOT POKER	1 GAL.	24	LOW
	LOM LIM	LOMANDRA X 'LITTLE LIME'	LITTLE LIME MAT RUSH	5 GAL.	10	LOW
	PHO DAR	PHORMIUM X 'DARK DELIGHT'	PURPLE FLAX	5 GAL.	30	LOW
	WES SMO	WESTRINGEA F. 'SMOKEY'	COAST ROSEMARY	5 GAL.	24	LOW
	YUC BST	YUCCA G. H. 'WALBRISTER'	BRIGHT STAR YUCCA	3 GAL.	39	LOW
VINES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	WATER USE
	GEL SEM	GELSEMIUM SEMPERVIRENS	JESSAMINE	5 GAL.	34	LOW
GROUND-COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	WATER USE
	CAR TUM	CAREX TUMULICOLA	FOOTHILL SEDGE	4" @ 18"	982	LOW
	FES MAI	FESTUCA MAIREI	ATLAS FESCUE	1 GAL @ 3'	55	LOW
	FES OVI	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE	1 GAL @ 15"	409	LOW
	LOM TFM	LOMANDRA X 'LITTLE LIME'	DWARF MAT RUSH	1 GAL @ 30"	62	LOW



A PRELIMINARY LANDSCAPE PLAN

LANDSCAPE GENERAL NOTES

- LANDSCAPE SHALL COMPLY WITH SANTA ROSA'S WATER EFFICIENT LANDSCAPE ORDINANCE (WELO).
- HYDROZONE AREAS ARE SUBJECT TO CHANGE, BUT SHALL NOT CAUSE THE LANDSCAPE TO EXCEED THE "MAXIMUM APPLIED WATER ALLOWANCE" AS SHOWN ON THE "APPENDIX A" SPREADSHEET BELOW.
- ALL UNPAVED AREAS SHALL BE TOP-DRESSED WITH A 3" LAYER OF ORGANIC OR AGGREGATE MULCH.
- ALL PLANTINGS SHALL BE IRRIGATED BY A PERMANENT, AUTOMATIC, WATER CONSERVING IRRIGATION SYSTEM COMPLIANT WITH SANTA ROSA'S WELO.
- SOIL SHALL BE TESTED BY AN APPROVED LABORATORY AND AMENDED AS RECOMMENDED BY THE LAB ANALYSIS
- STREET TREES SHALL BE INSTALLED PER SANTA ROSA STANDARD DETAIL AND "STANDARDS FOR PLANTING OF PARKWAY TREES."
- ALL TREES PLANTED WITHIN 4' OF BUILDINGS, WALL, CURBS OR PAVEMENTS WILL BE INSTALLED WITH ROOT BARRIERS.
- ALL TREES WILL BE PLANTED FROM 24" BOXES (MINIMUM) EXCEPT WHERE NOTED OTHERWISE
- A MINIMUM OF ONE FOOT DEPTH OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS.
- SEE CIVIL ENGINEERS DRAWINGS FOR GRADING AND DRAINAGE, AND FOR LOCATIONS AND DESCRIPTIONS OF LANDSCAPE BASED STORMWATER MANAGEMENT BMP'S
- TREE REMOVALS WILL BE MITIGATED IN ACCORDANCE WITH S.R.Z.O. 17-24.050



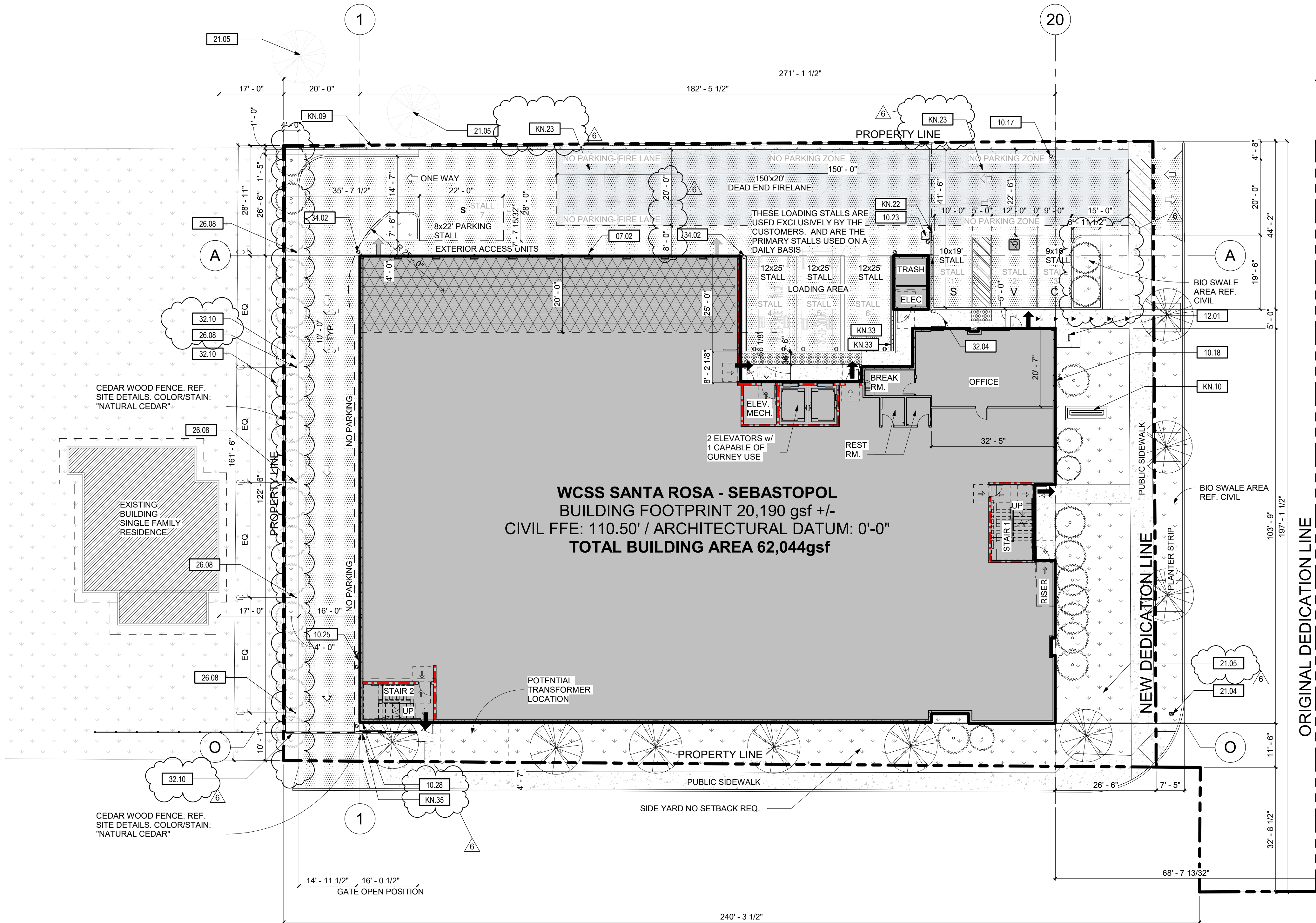
B FRONTAGE LANDSCAPE ELEVATION

PRELIMINARY LANDSCAPE PLAN - FINAL DESIGN REVIEW
WEST COAST SELF STORAGE

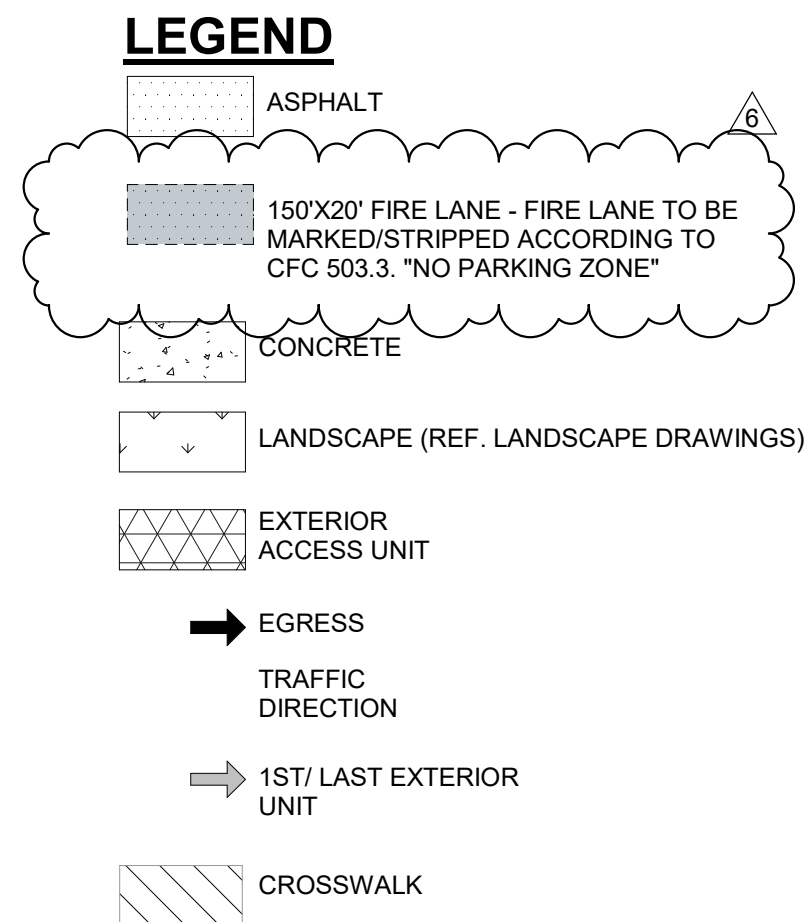
2875 SEBASTOPOL ROAD
SANTA ROSA, CA 95409
APN: 035-251-037

REVISIONS:	3/3/23	DESIGN REVIEW CORRECTION RESPONSE
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MARCH 3, 2023
SCALE: AS NOTED
SHEET SIZE: 24X36
JRLA PROJECT: 21020
COPYRIGHT JRLA



2 SITE PLAN.
1/16" = 1'-0"
TRUE NORTH PROJECT NORTH



SHEET NOTES:

- LIMITS OF WORK ARE DEFINED WITHIN THE PROPERTY LINES AND ADJACENT RIGHT OF WAYS.
- SITE CONTROLS ARE EXISTING PROPERTY CORNERS AS IDENTIFIED BY PROPERTY SURVEY.
- REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION ON ALL LANDSCAPE FEATURES AND ELEMENTS.
- REFER TO CIVIL DRAWINGS FOR SITE GRADING, ASPHALT, SIDEWALK AND UTILITY LOCATIONS.
- EXPANSION JOINTS ARE SHOWN ON PLANS. ALL OTHER LINES WITHIN CONCRETE PAVING AREAS ARE TO BE CONTROL JOINTS UNLESS OTHERWISE NOTED. REFER TO CIVIL DRAWINGS.
- SIDEWALKS TO MAINTAIN A SLOPE NO GREATER THAN 1:20 IN THE PRIMARY DIRECTION OF TRAVEL AND A SLOPE NO GREATER THAN 1:50 PERPENDICULAR TO THE PRIMARY DIRECTION OF TRAVEL. REFER TO CIVIL DRAWINGS.
- SIDEWALKS TO BE MEDIUM BROOM FINISH. CONTROL JOINTS TO BE EVERY 5' U.N.O. CURB TO BE MEDIUM BROOM FINISH, PARALLEL TO GUTTER LINE, UNLESS OTHERWISE NOTED.
- GRID LINES CORRESPOND WITH BUILDING FLOOR PLAN GRID LINES.
- REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
- ARCHITECT SITE PLAN IS SHOWN FOR REFERENCE ONLY. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR PARAMETERS OF SITE, INCLUDING ROADWORK, LANDSCAPING AND CONTEXTUAL SITE INFORMATION.
- REFER TO CIVIL FOR FINISH FLOOR ELEVATIONS (FFE) - THESE CORRESPOND TO ARCHITECTURAL 0'-0"

PROJECT INFORTMAITION

PARCEL NUMBER:

035-251-037-000

ZONING:

LIGHT INDUSTRIAL (IL) SRMC 20-24.040

OCCUPANCY CLASSIFICATION :

S-1 SELF-STORAGE

LOT COVERAGE:

SRMC 20-24.040 ALLOWABLE: 85%
ORIGINAL LOT 43,497sf
MODIFIED LOT 37,230gsf Post Dedication Change
BLDG. FOOTPRINT 21,560 gsf
BUILDING COVERAGE: 57%

BUILDING AREA PER FLOOR:

BUILDING A:	
GROUND FLOOR:	20,190
SECOND FLOOR:	20,294
THIRD FLOOR:	21,560
TOTAL GSF	62,044

PARKING:

SRMC 20-36.040 TABLE 3-4 (PARKING REQUIREMENTS)
SRMC 20-36.100 TABLE 3-8 (LOADING REQUIREMENTS)

MIN. 5 FOR CUSTOMER PARKING REQUIRED

PROVIDED: 5

2 STANDARD
1 COMPACT
1 VAN ACCESSIBLE

LOADING PROVIDED 3

BYCYCLE PARKING PROVIDED 2

PARKING CALCULATIONS

PER SRMC 20-36.040 TABLE 3-4

ITEM	REQUIRED	QTY	PROVIDED
STANDARD	2-MANAGER, 5 CUSTOMER		QTY SIZE
ACCESSIBLE PARKING	1 OF ABOVE	1	10x19' 90" BACKUP 23'
LOADING 10x45'		1	8x 22' PARALLEL
		3	12x19' 90" BACKUP 23'
		1	12x25' 90" BACKUP 28'
50% MAY BE COMPACT	NA	1	9x16' 90" BACKUP 23'
	7 TOTAL	7 TOTAL	

KEYNOTES:

#	NOTE
07.02	18ga. PRE-FINISHED ALUMINUM DOWNSPOUT PER S.M.A.C.N.A. RECOMMENDATIONS. SIZED PER ROOF DRAINAGE CALCULATIONS; COLOR PER EXTERIOR ELEVATIONS. PROTECTION BOOT AT BASE.REF. CIVIL
10.17	KEY BOX, MOUNTED TO METAL POST AT 42" ABOVE GRADE U.N.O. (KNOX OR EQUAL. REFER TO FIRE PROTECTION NOTES AND FIRE DEPARTMENT REQUIREMENTS FOR KNOX BOX TYPE. COORDINATE LOCATION WITH FIRE MARSHAL.)
10.18	BUILDING ADDRESS NUMBERS; (MIN.) 12" TALL WITH 1/2" MINIMUM STROKE WIDTH ON A CONTRASTING BACKGROUND. REFER TO FIRE DEPARTMENT CONDITIONS OF APPROVAL AND REQUIREMENTS. VERIFY WITH FIRE MARSHAL PRIOR TO INSTALLATION
10.23	CONCRETE PAD FOR GATE CONTROL. B.O.D SHUGARD LINEAR GATE OPERATOR (SLIDING. SL SERIES. SWING. SWC SERIES)
10.25	ENTRY KEY PAD REF. SITE DETAILS
10.28	GATE CONTROLLER PAD. B.O.D LINEAR SL SERIES. REF. WCSS SPECS
12.01	BICYCLE RACK SYSTEM. REF. 16/A1.01
21.04	FIRE HYDRANT. REF. CIVIL DRAWING
21.05	LOCATION OF FDC. REF. CIVIL DRAWINGS
26.08	SITE/EXTERIOR BOLLARD LIGHTING. REF. SHEET E1.1
32.04	CHAIN-LINK PEDESTRIAN GATE. TUBULAR METAL, 36" WIDE EQUIPPED WITH ANSI A117.1 COMPLIANT HARDWARE AND MESH TO PREVENT ENTRY OR ACTUATION FROM EXTERIOR SIDE. MATERIALS AND COLOR TO MATCH CHAIN-LINK FENCING
32.10	FORMED CONCRETE CURB AND GUTTER PER PLANS; REF. CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
34.02	6" DIAMETER, SCHEDULE 40, CONCRETE-FILLED STEEL PIPE BOLLARD PER DETAIL. PROVIDE 1/4" WALL THICKNESS THERMOPLASTIC BOLLARD SLEEVE COVER (BASIS OF DESIGN: IDEAL-SHIELD 1/4" BOLLARD COVERS); COLOR: SAFETY YELLOW, U.N.O.
KN.09	NEW 6'-0" WROUGHT IRON SECURITY FENCING. REF. SITE DETAILS;
KN.10	MONUMENT SIGN PER PLANS; SIGN DESIGN BY OTHERS AND UNDER SEPARATE PERMIT
KN.22	AUTOMATIC GATE TO HAVE EMERGENCY VEHICLE STROBE ACTIVATION AND EQUIP WITH A KNOX BOX
KN.23	FIRE LANE TO BE MARKED ACCORDING TO CFC 503.3 WHERE MARKING WORDS INCLUDING "NO PARKING - FIRE LANE" SHALL BE PROVIDED
KN.33	PROVIDE 6" CURB BY SIDE WALK.
KN.35	PROVIDE KNOX BOX ON GATE POLE & PROVIDE KEY ACCESS TO STAIR FOR FIRE DEPT.

PROGRESS SET -
NOT FOR CONSTRUCTION

WEST COAST SELF STORAGE GROUP
808 134TH ST SW, BUILDING B STE 211.
EVERETT WA. 98204

WCSS - SEBASTOPOL RD
2875 SEBASTOPOL RD
SANTA ROSA, CA 95407

DATE	NO.	DESCRIPTION
10/15/2021	1	SITE PLAN - PRELIMINARY DESIGN
07/28/22	2	REVISED DESIGN
02/28/23	3	PLAN CHECK CORRECTION RESPONSE #1



03/09/2023

PROJECT NO.: 21085
PROJECT MGR.: T.B
DRAWN BY: AK/CL
CHECKED BY: T.B

ARCHITECTURAL SITE PLAN

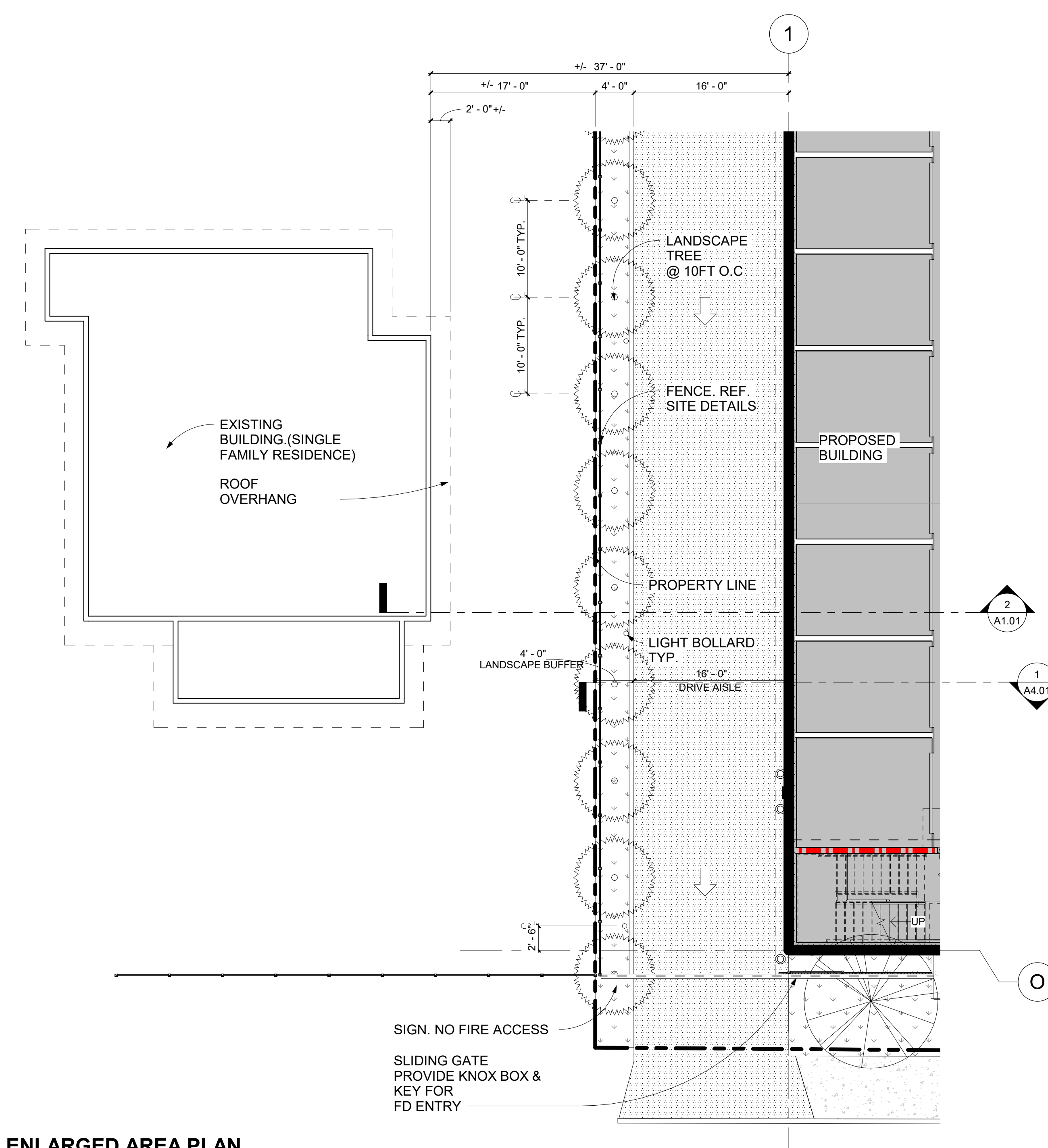
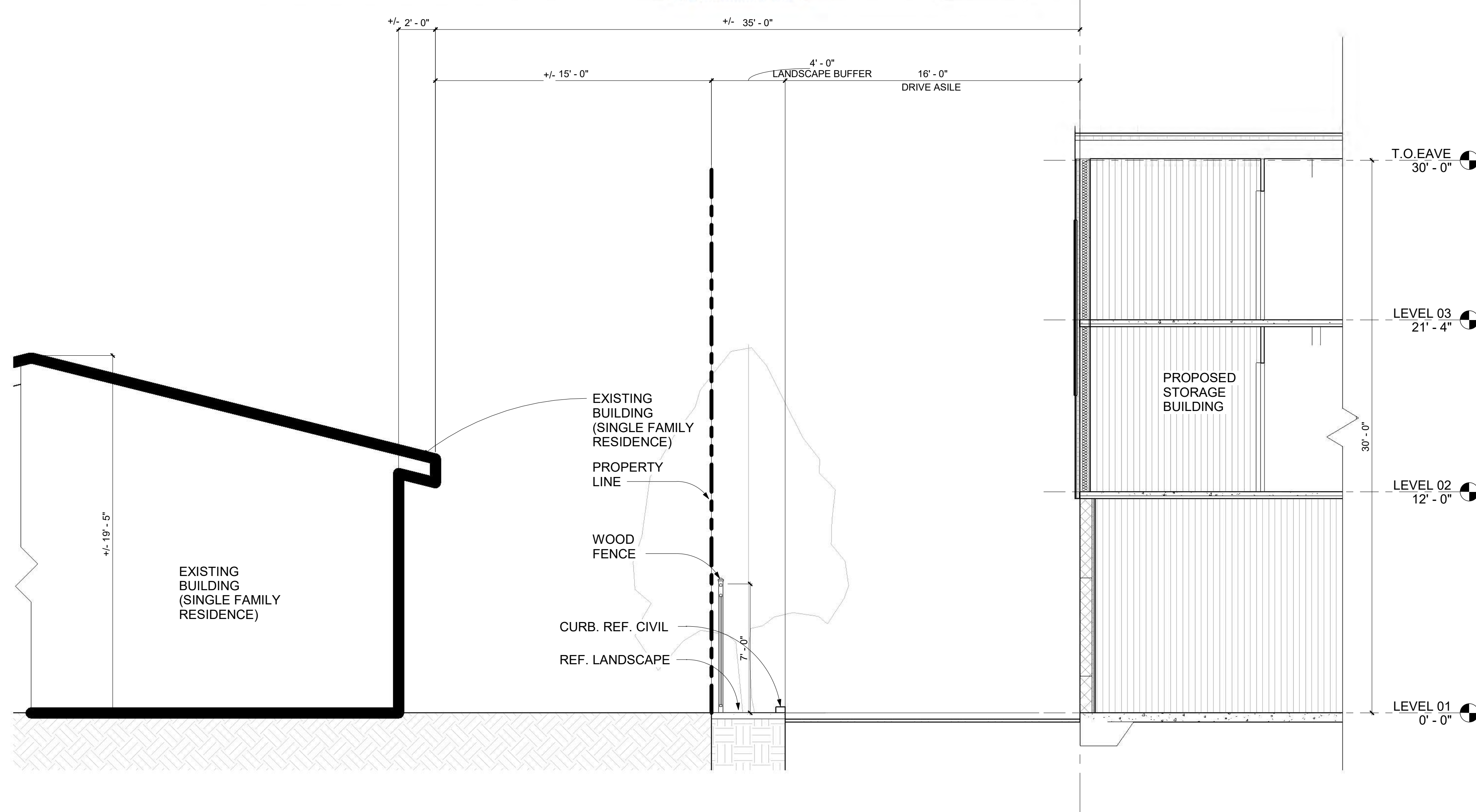
A1.00

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PROJECT NO.:	21083
PROJECT MGR.:	TB
DRAWN BY:	AK
CHECKED BY:	Checker

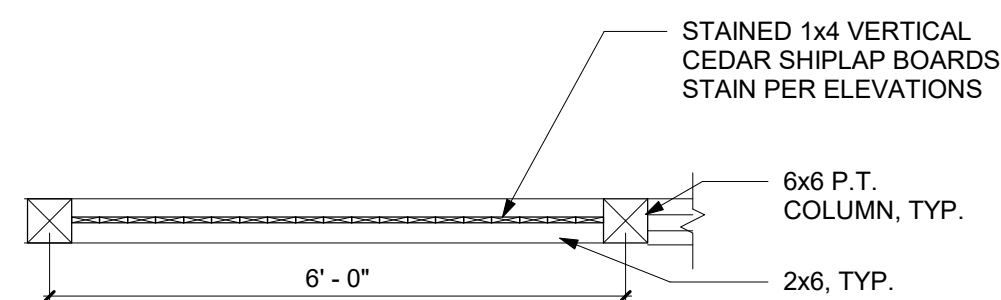
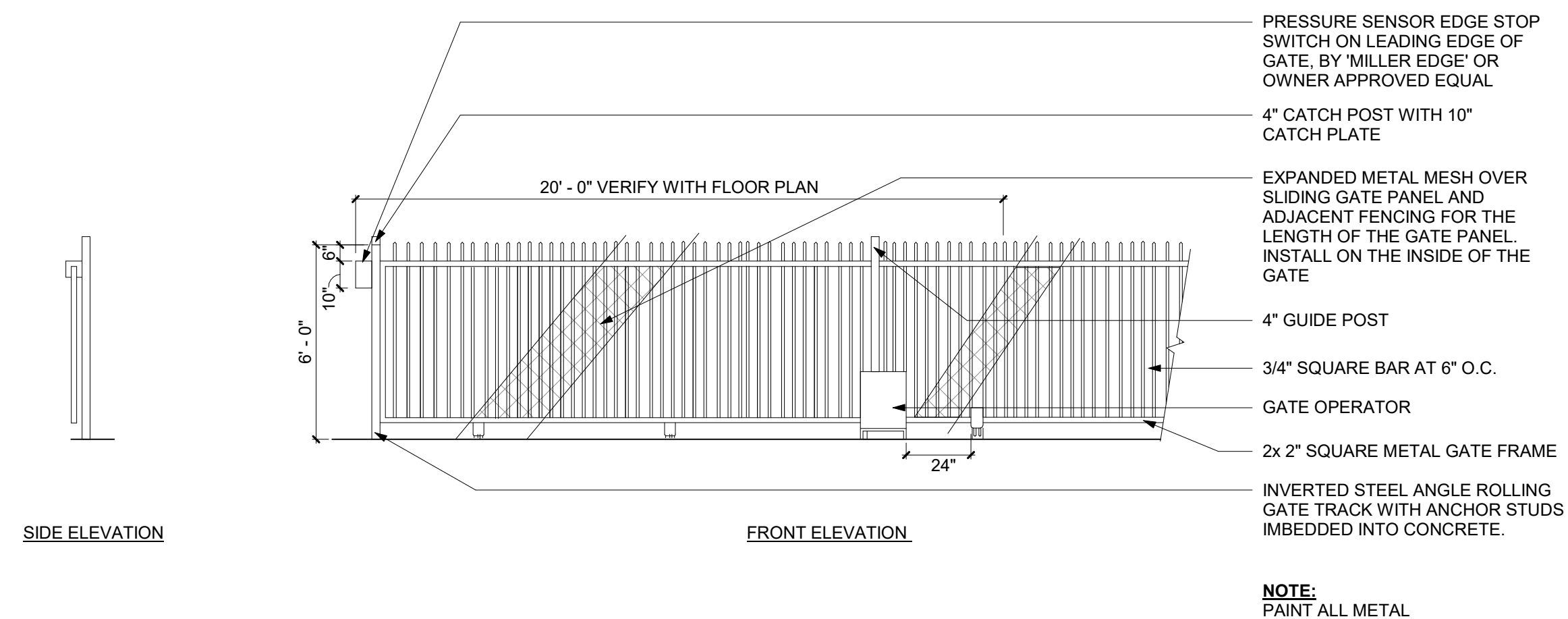
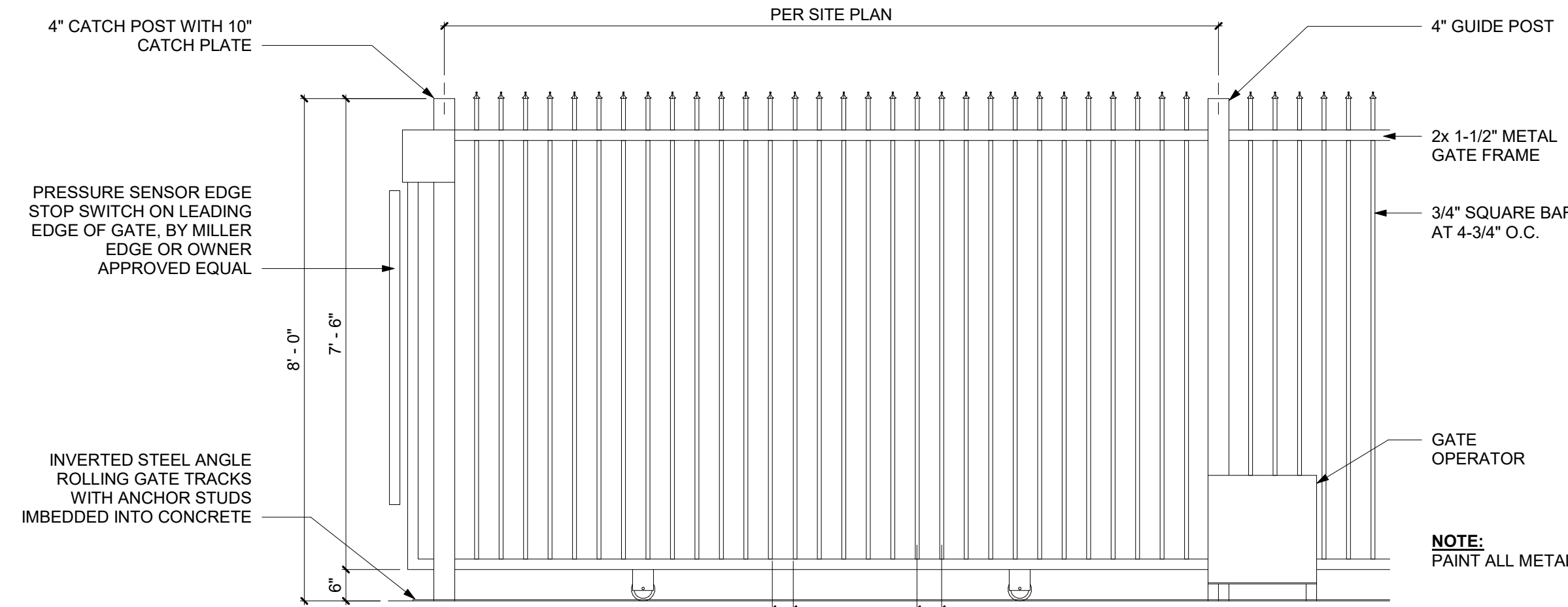
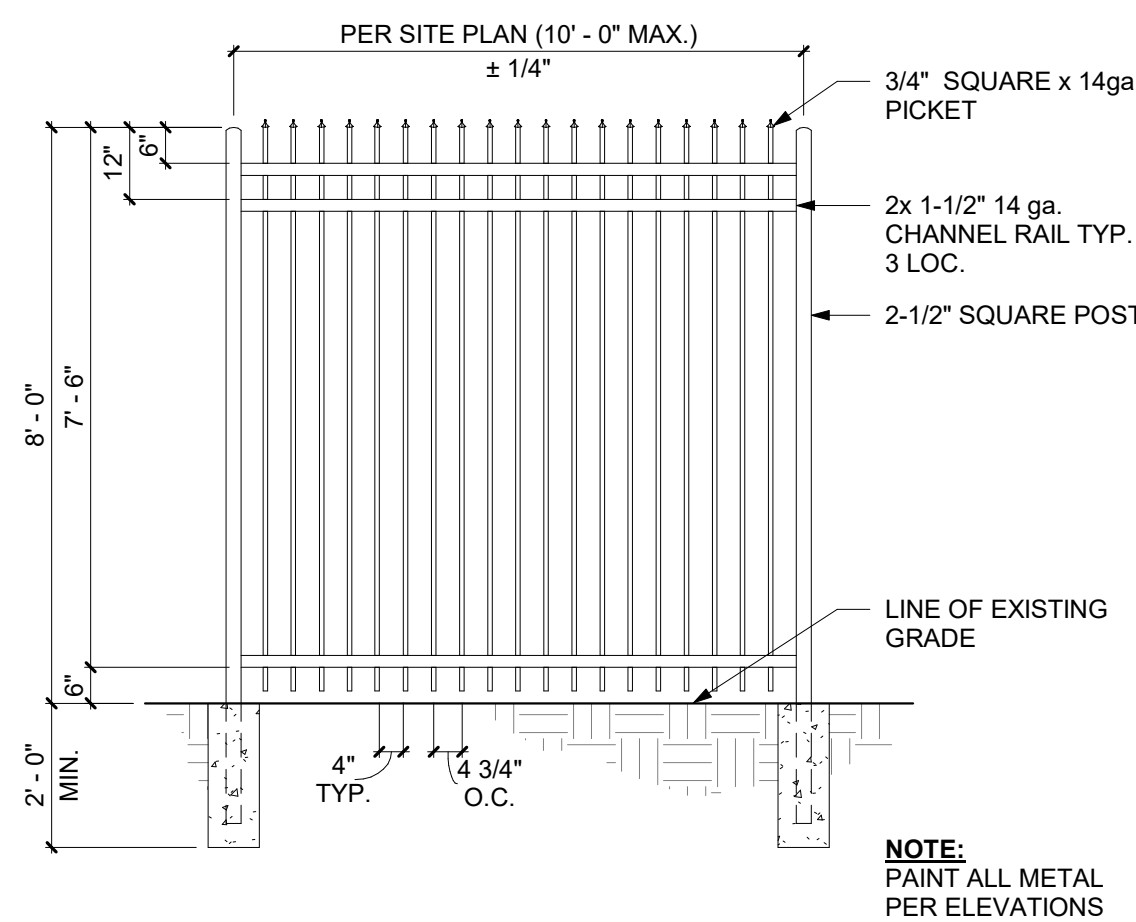
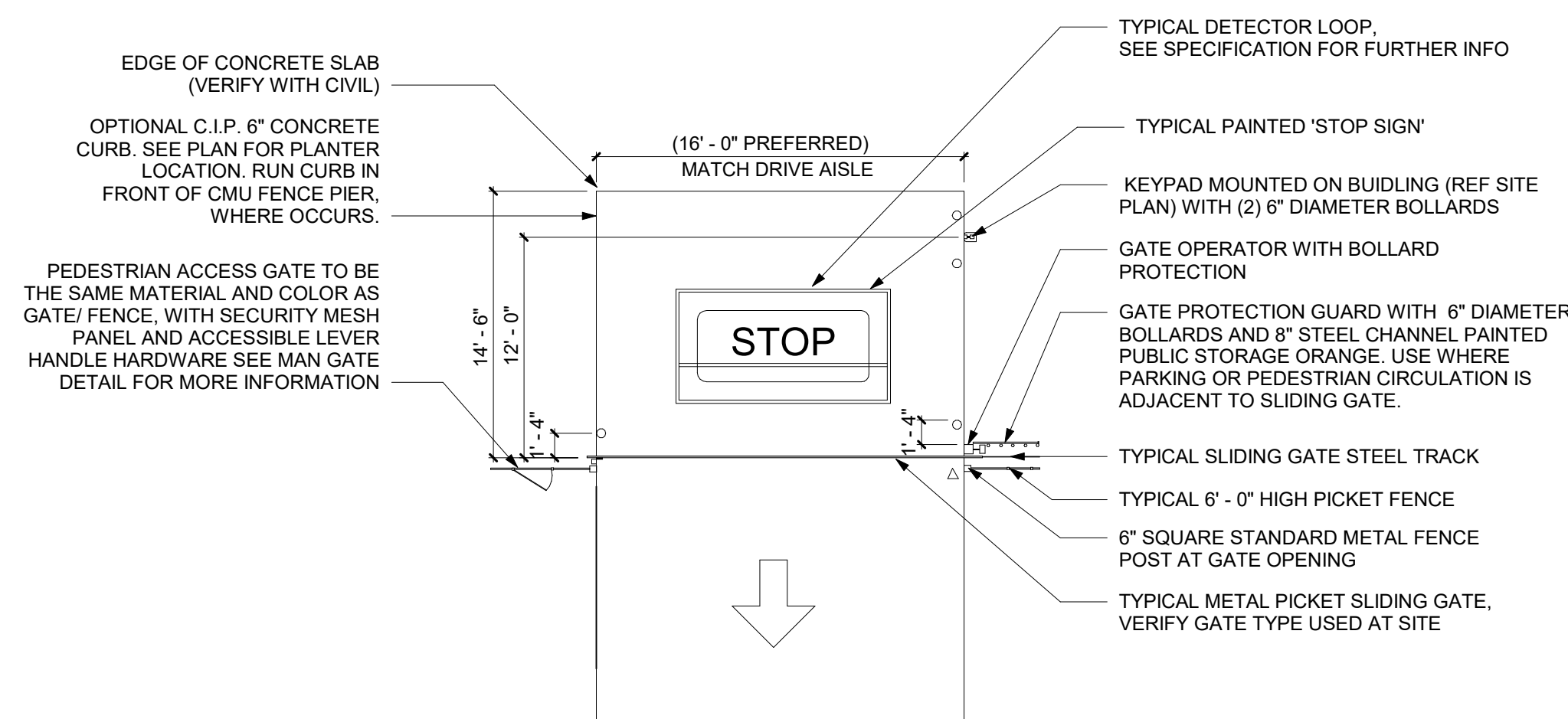
ENLARGED SITE PLANS

A1.01



 **2** **SITE SECTION - NORTH DRIVE AISLE**
1/4" = 1'-0"
TRUE NORTH PROJECT NEIGHBOUR PROXIMITY STUDY

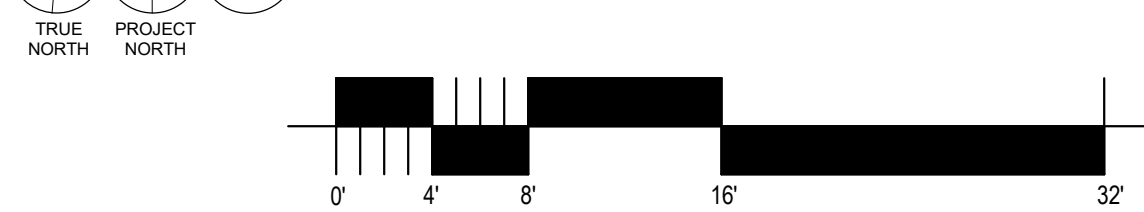

SITE PLAN - ENLARGED AREA PLAN
 1/8" = 1'-0"
 NEIGHBOUR PROXIMITY STUDY


$$1/2^{\circ} = 1'-0"$$
 $1/4^{\circ} = 1'-0"$  $1/2^{\circ} = 1'-0"$  $3/8" = 1'-0"$ 
$$1/8" = 1'-0"$$

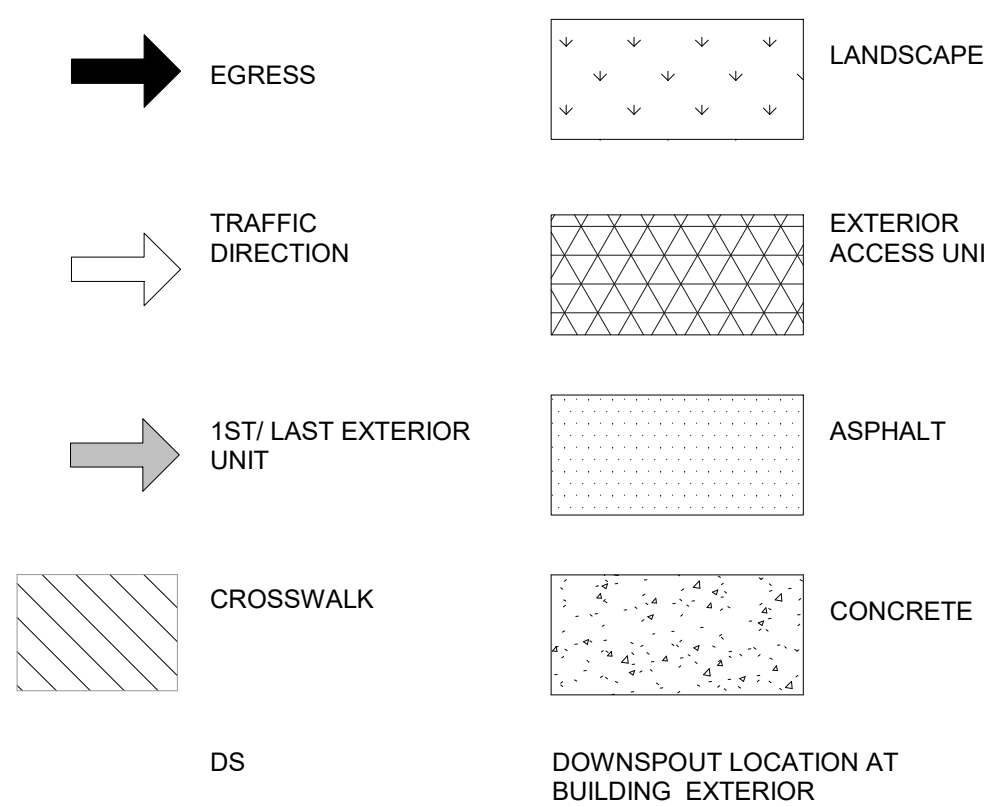
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FLOOR PLAN - LEVEL 01
1/8" = 1'-0"



LEGEND



SHEET NOTES:

- REFER TO 00.01 FOR ABBREVIATIONS, SYMBOLS AND GENERAL PROJECT NOTES.
- REFER TO G SERIES SHEETS FOR CODE & ACCESSIBILITY STANDARDS.
- REFER TO A8 SERIES FOR SPECIFIC WALL ASSEMBLY INFORMATION
- REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENING SIZES
- REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL, HOLD DOWN LOCATIONS, AND BEAM SIZES
- PROVIDE WALL GUARDS AT ALL EXPOSED GYPSUM BOARD OUTSIDE CORNERS IN PUBLIC AREAS
- FOR FRAMED WALLS- LOCATE HINGE SIDE OF ALL DOORS 4-1/2" FROM PERPENDICULAR FRAMING U.N.O.
- FOR MASONRY WALLS- LOCATE HINGE SIDE OF DOOR 8" FROM PERPENDICULAR WALL U.N.O.
- GENERAL NOTES ON THIS PAGE DO NOT EXCLUDE NOTES ELSEWHERE; THIS DOCUMENT SET IS COMPLIMENTARY. NOTES ON OTHER SHEETS MAY HAVE BEARING/ APPLICATION TO WORK SHOWN ON THIS SHEET

UNIT MIX - LEVEL 1

WT	Count	Area	Total Area	Percentage
5x5	12	25 SF	300 SF	9%
5x10	1	50 SF	50 SF	1%
5x15	53	75 SF	3,975 SF	38%
7.5x 10	15	75 SF	1,125 SF	11%
10x10	12	100 SF	1,200 SF	9%
10x15	13	150 SF	1,950 SF	9%
10x20	24	200 SF	4,800 SF	17%
10x30	3	300 SF	900 SF	2%
CSTM	5	50 SF	50 SF	4%
CSTM 2 (10x17.5)	2	175 SF	349 SF	1%
TOTAL:	140		15,242 SF	

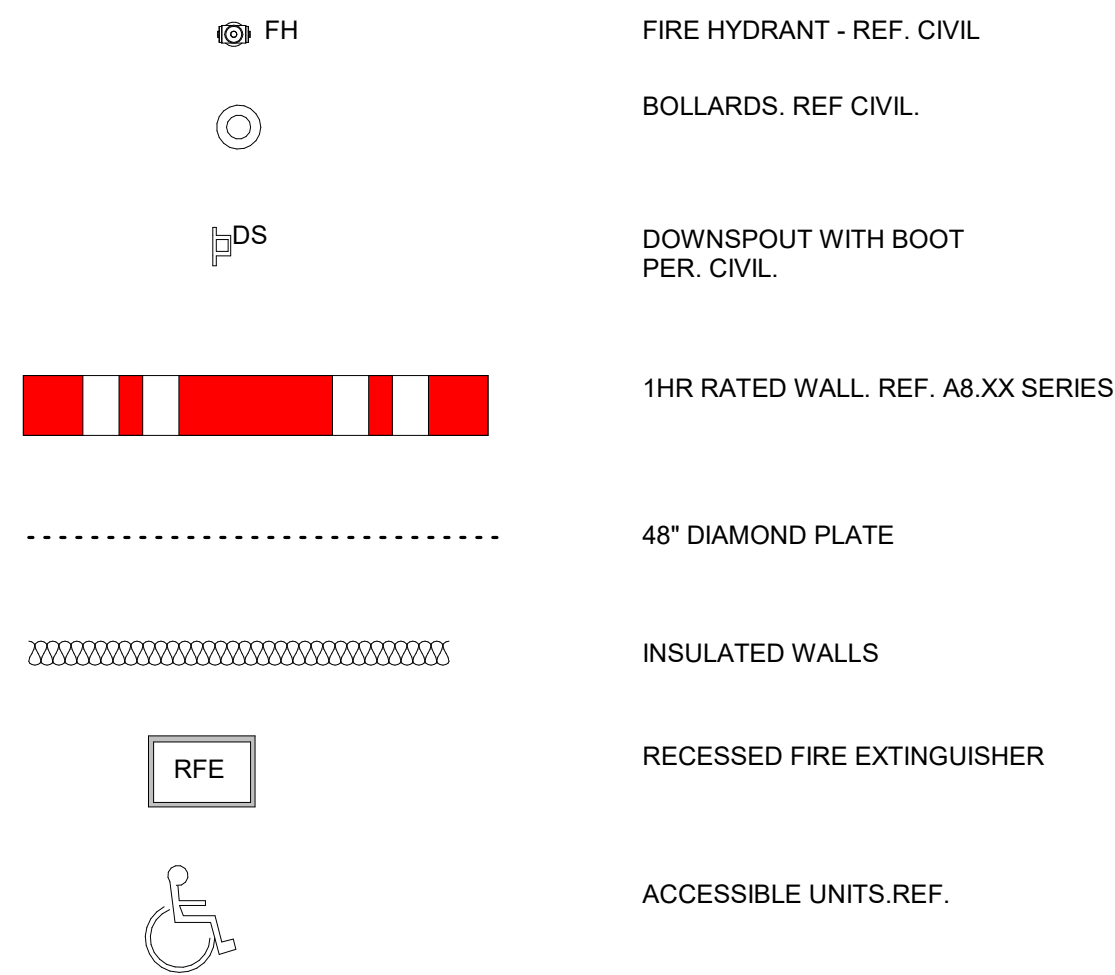
UTILITY MIX - LEVEL 1

WT	Count	Level	Area	Total Area	Percentage	Mark
BREAK RM	1	LEVEL 01	91 SF	91 SF	8%	UTILITY
ELEC	1	LEVEL 01	58 SF	58 SF	8%	UTILITY
ELEV	2	LEVEL 01	162 SF	162 SF	17%	UTILITY
MECH	1	LEVEL 01	107 SF	107 SF	8%	UTILITY
OFFICE	1	LEVEL 01	743 SF	743 SF	8%	UTILITY
REST RM	2	LEVEL 01	93 SF	93 SF	17%	UTILITY
RISER	1	LEVEL 01	75 SF	75 SF	8%	UTILITY
STAIR	2	LEVEL 01	443 SF	443 SF	17%	UTILITY
TRASH	1	LEVEL 01	71 SF	71 SF	8%	UTILITY
TOTAL:	12			1,843 SF		

TOTAL BUILDING UNIT MIX

UNIT SIZE	Count	Area	Total Area	Percentage
5x5	145	25 SF	3,625 SF	23%
5x10	155	50 SF	7,750 SF	25%
5x15	71	75 SF	5,325 SF	11%
7.5x 10	43	75 SF	3,225 SF	7%
10x10	113	100 SF	11,300 SF	18%
10x15	20	150 SF	3,000 SF	3%
10x20	24	200 SF	4,800 SF	4%
10x30	3	300 SF	900 SF	0%
CSTM	53	50 SF	5,436 SF	8%
CSTM 2 (10x17.5)	2	175 SF	349 SF	0%
TOTAL:	629		45,710 SF	

LEGEND- FLOOR PLAN



KEYNOTES:

#	NOTE
05.23	48" DIAMOND PLATE WAINSCOT
05.24	DIAMOND PLATE FLOORING
10.17	KEY BOX, MOUNTED TO METAL POST AT 42" ABOVE GRADE U.N.O. (KNOX OR EQUAL, REFER TO FIRE PROTECTION NOTES AND FIRE DEPARTMENT REQUIREMENTS FOR KNOX BOX TYPE; COORDINATE LOCATION WITH FIRE MARSHAL)
10.25	ENTRY KEY PAD REF. SITE DETAILS
10.28	GATE CONTROLLER PAD, B.O.D LINEAR SL SERIES, REF. WCSS SPECS
11.01	VEHICULAR ACCESS GATE PER SITE PLAN AND DETAILS, BASIS OF DESIGN: TELESCOPING ROLLING GATE WITH 20" CLEAR OPENING (OR GREATER PER F.D.), MOTOR OPERATOR, KEY-PAD PANEL, MOUNTED ON KEYPAD BOLLARD PER DETAIL, PROVIDE ELECTRICAL CONDUIT RUNS TO MOTOR OPERATOR AND BOLLARD LOCATIONS, REF. ELECTRICAL SITE PLAN
12.01	BICYCLE RACK SYSTEM, REF. 16/A1.01
32.04	CHAIN-LINK PEDESTRIAN GATE, TUBULAR METAL, 36" WIDE EQUIPPED WITH ANSI A117.1 COMPLIANT HARDWARE AND MESH TO PREVENT ENTRY OR ACTUATION FROM EXTERIOR SIDE. MATERIALS AND COLOR TO MATCH CHAIN-LINK FENCING
34.02	6" DIAMETER, SCHEDULE 40, CONCRETE-FILLED STEEL PIPE BOLLARD PER DETAIL, PROVIDE 1/4" WALL THICKNESS THERMOPLASTIC BOLLARD SLEEVE COVER (BASIS OF DESIGN: IDEAL-SHIELD 1/4" BOLLARD COVERS); COLOR: SAFETY YELLOW, U.N.O.
KN.09	NEW 6'-0" WROUGHT IRON SECURITY FENCING, REF. SITE DETAILS.
KN.22	AUTOMATIC GATE TO HAVE EMERGENCY VEHICLE STROBE ACTIVATION AND EQUIP WITH A KNOX BOX
KN.32	ELEVATOR KEYPAD TYP.



PROGRESS SET -
NOT FOR CONSTRUCTION

WEST COAST SELF STORAGE GROUP
808 134TH ST SW, BUILDING B STE 211.
EVERETT WA. 98204

WCSS - SEBASTOPOL RD
2875 SEBASTOPOL RD
SANTA ROSA, CA 95407

DATE	NO.	DESCRIPTION
10/27/2021	2	UNIT MIX



PROJECT NO.: 21085
PROJECT MGR.: T.B.
DRAWN BY: A.K.
CHECKED BY: T.B.

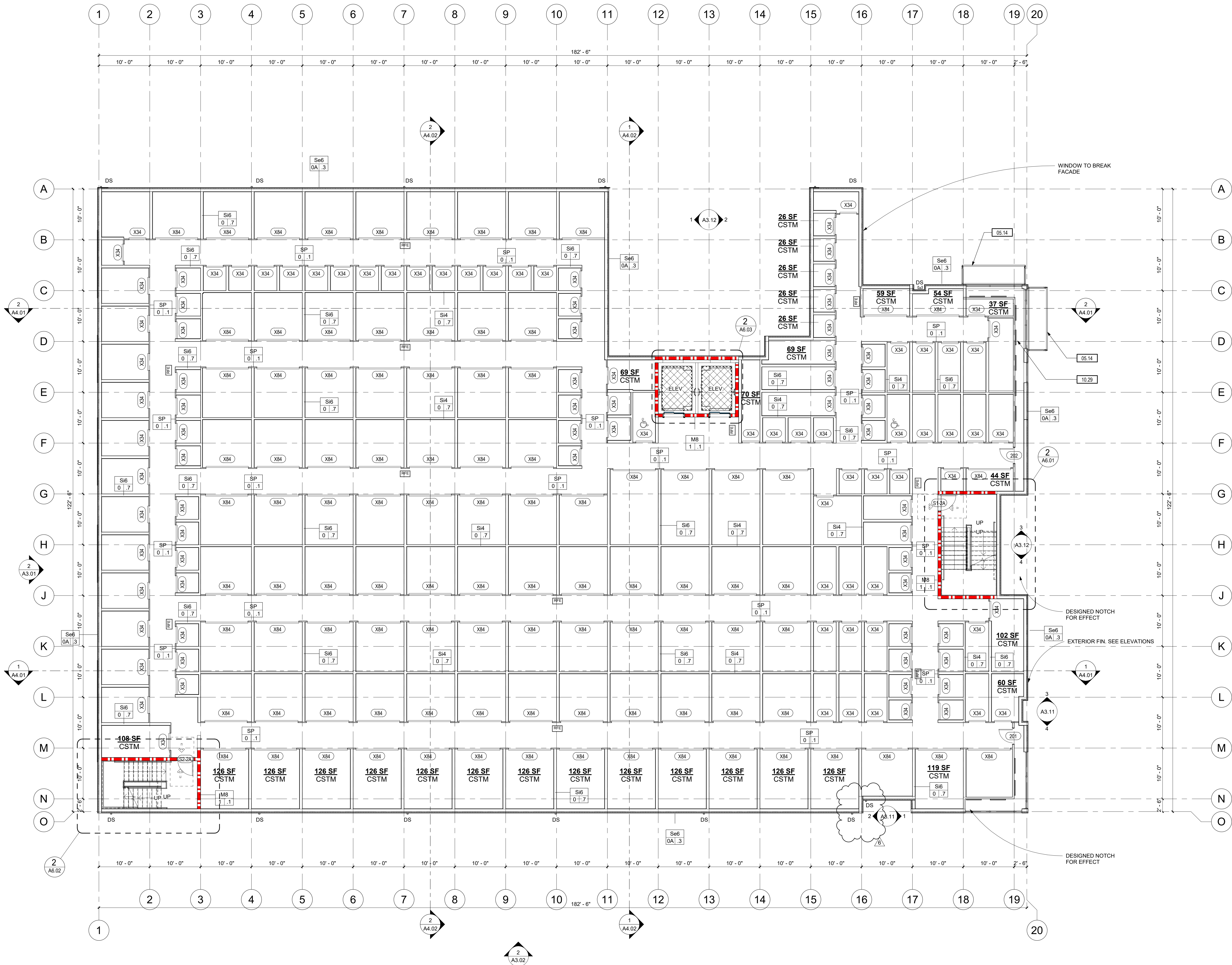
FLOOR PLAN - LEVEL 01

A2.01

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FLOOR PLAN - LEVEL 02
1/8" = 1'-0"

SHEET NOTES:

- REFER TO G0.01 FOR ABBREVIATIONS, SYMBOLS AND GENERAL PROJECT NOTES.
- REFER TO G SERIES SHEETS FOR CODE & ACCESSIBILITY STANDARDS.
- REFER TO A8 SERIES FOR SPECIFIC WALL ASSEMBLY INFORMATION.
- REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENING SIZES.
- REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL, HOLD DOWN LOCATIONS, AND BEAM SIZES.
- PROVIDE WALL GUARDS AT ALL EXPOSED GYPSUM BOARD OUTSIDE CORNERS IN PUBLIC AREAS.
- FOR FRAMED WALLS- LOCATE HINGE SIDE OF ALL DOORS 4-1/2" FROM PERPENDICULAR FRAMING U.N.O.
- FOR MASONRY WALLS- LOCATE HINGE SIDE OF DOOR 8" FROM PERPENDICULAR WALL U.N.O.
- GENERAL NOTES ON THIS PAGE DO NOT EXCLUDE NOTES ELSEWHERE; THIS DOCUMENT SET IS COMPLIMENTARY. NOTES ON OTHER SHEETS MAY HAVE BEARING/ APPLICATION TO WORK SHOWN ON THIS SHEET

UNIT MIX - LEVEL 2

Type	Count	Area	Total Area	Percentage
5x5	64	25 SF	1,600 SF	31%
5x10	24	50 SF	1,200 SF	11%
5x15	3	75 SF	225 SF	1%
7.5x 10	12	75 SF	900 SF	6%
10x10	78	100 SF	7,800 SF	37%
10x15	4	150 SF	600 SF	2%
CSTM	24		2,427 SF	11%
TOTAL: 209			14,792 SF	

UTILITY- LEVEL 2

Type	Count	Level	Area	Total Area	Percentage	Mark
ELEV		2 LEVEL 02		178 SF	50%	UTILITY
STAIR		2 LEVEL 02		443 SF	50%	UTILITY
TOTAL: 4				621 SF		

TOTAL BUILDING UNIT MIX

UNIT SIZE	Count	Area	Total Area	Percentage
5x5	145	25 SF	3,625 SF	23%
5x10	155	50 SF	7,750 SF	25%
5x15	71	75 SF	5,325 SF	11%
7.5x 10	43	75 SF	3,225 SF	7%
10x10	113	100 SF	11,300 SF	16%
10x15	20	150 SF	3,000 SF	3%
10x20	24	200 SF	4,800 SF	4%
10x30	3	300 SF	900 SF	0%
CSTM	53		5,436 SF	8%
CSTM 2 (10x17.5)	2	175 SF	349 SF	0%
TOTAL: 629			45,710 SF	

LEGEND- FLOOR PLAN

	FIRE HYDRANT - REF. CIVIL
	BOLLARDS, REF. CIVIL
	DOWNSPOUT WITH BOOT PER. CIVIL
	1HR RATED WALL, REF. A8 XX SERIES
	48" DIAMOND PLATE
	INSULATED WALLS
	RECESSED FIRE EXTINGUISHER
	ACCESSIBLE UNITS, REF.

KEYNOTES:

#	NOTE
05.14	AWNING, REF. ENL. PLANS. ATTACHEMENT PER. STRUCTURAL
10.29	SURFACE MOUNTED 3X8' FAUX ROLL-UP DOOR, JUNUS ROYAL BLUE. SPACE EQUALLY ON WALL



PROGRESS SET -
NOT FOR CONSTRUCTION

WEST COAST SELF STORAGE GROUP
808 134TH ST SW, BUILDING B STE 211.
EVERETT WA. 98204

WCSS - SEBASTOPOL RD
2875 SEBASTOPOL RD
SANTA ROSA, CA 95407

DATE	NO.	DESCRIPTION
10/27/2021	2	UNIT MIX
02/28/23	6	PLAN CHECK CORRECTION RESPONSE #1

PROJECT NO.: 21085
PROJECT MGR.: T.B
DRAWN BY: A.K
CHECKED BY: T.B

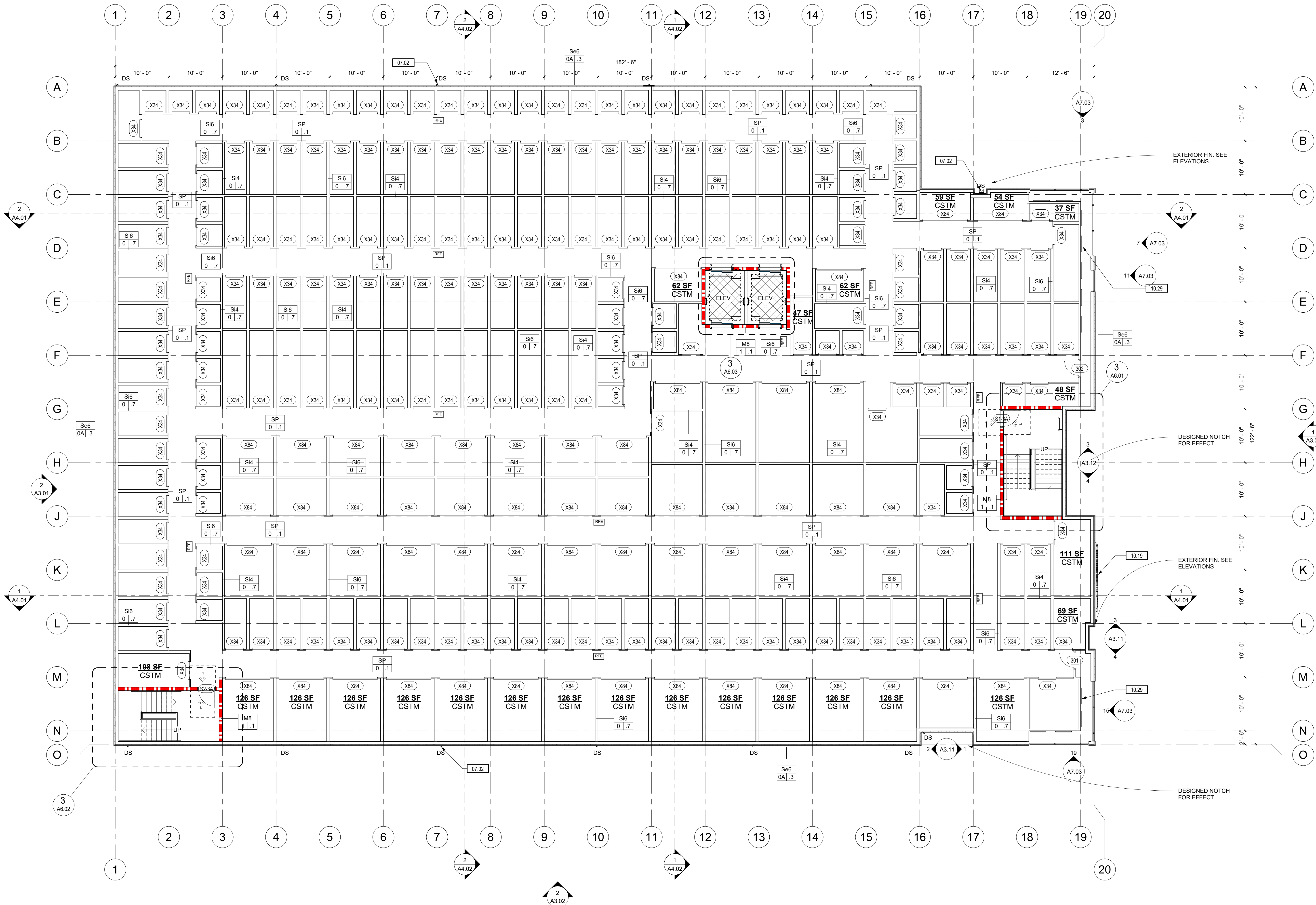
FLOOR PLAN - LEVEL 02

A2.02

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1 FLOOR PLAN - LEVEL 03
1/8" = 1'-0"

SHEET NOTES:

- REFER TO G0.01 FOR ABBREVIATIONS, SYMBOLS AND GENERAL PROJECT NOTES.
- REFER TO G SERIES SHEETS FOR CODE & ACCESSIBILITY STANDARDS.
- REFER TO A8 SERIES FOR SPECIFIC WALL ASSEMBLY INFORMATION.
- REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENINGS SIZES.
- REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL, HOLD DOWN LOCATIONS, AND BEAM SIZES.
- PROVIDE WALL GUARDS AT ALL EXPOSED GYPSUM BOARD OUTSIDE CORNERS IN PUBLIC AREAS.
- FOR FRAMED WALLS- LOCATE HINGE SIDE OF ALL DOORS 4-1/2" FROM PERPENDICULAR FRAMING U.N.O.
- FOR MASONRY WALLS- LOCATE HINGE SIDE OF DOOR 8" FROM PERPENDICULAR WALL U.N.O.
- GENERAL NOTES ON THIS PAGE DO NOT EXCLUDE NOTES ELSEWHERE; THIS DOCUMENT SET IS COMPLIMENTARY. NOTES ON OTHER SHEETS MAY HAVE BEARING/ APPLICATION TO WORK SHOWN ON THIS SHEET

UNIT MIX - LEVEL 3					
Type	Count	Area	Total Area	Percentage	
5x5	69	25 SF	1,725 SF	25%	
5x10	130	50 SF	6,500 SF	46%	
5x15	15	75 SF	1,125 SF	5%	
7.5x 10	16	75 SF	1,200 SF	6%	
10x10	23	100 SF	2,300 SF	8%	
10x15	3	150 SF	450 SF	1%	
CSTM	24		2,416 SF	9%	
TOTAL: 280			15,716 SF		

UTILITY- LEVEL 3					
Type	Count	Level	Total Area	Percentage	Mark
ELEV	2	LEVEL 03	178 SF	50% UTILITY	
STAIR	2	LEVEL 03	443 SF	50% UTILITY	
TOTAL: 4			621 SF		

TOTAL BUILDING UNIT MIX				
UNIT SIZE	Count	Area	Total Area	Percentage
5x5	145	25 SF	3,625 SF	23%
5x10	155	50 SF	7,750 SF	25%
5x15	71	75 SF	5,325 SF	11%
7.5x 10	43	75 SF	3,225 SF	7%
10x10	113	100 SF	11,300 SF	18%
10x15	20	150 SF	3,000 SF	3%
10x20	24	200 SF	4,800 SF	4%
10x30	3	300 SF	900 SF	0%
CSTM	53		5,436 SF	8%
CSTM 2 (10x17.5)	2	175 SF	349 SF	0%
TOTAL: 629			45,710 SF	

LEGEND- FLOOR PLAN

- Fire Hydrant - REF. CIVIL
- BOLLARDS, REF. CIVIL
- DOWNSPOUT WITH BOOT PER. CIVIL
- 1HR RATED WALL, REF. A8 XX SERIES
- 48" DIAMOND PLATE
- INSULATED WALLS
- RECESSED FIRE EXTINGUISHER
- ACCESSIBLE UNITS, REF.

KEYNOTES:

#	NOTE
07.02	18ga. PRE-FINISHED ALUMINUM DOWNSPOUT PER S.M.A.C.N.A. RECOMMENDATIONS, SIZED PER ROOF DRAINAGE CALCULATIONS; COLOR PER EXTERIOR ELEVATIONS, PROTECTION BOOT AT BASE, REF. CIVIL
10.19	10x20 AREA FOR BUILDING SIGNAGE, REF. ELEVATIONS, SIGNAGE UNDER SEPARATE PERMIT
10.29	SURFACE MOUNTED 3X8" FAUX ROLL-UP DOOR, JUNUS ROYAL BLUE, SPACE EQUALLY ON WALL



PROGRESS SET -
NOT FOR CONSTRUCTION

WEST COAST SELF STORAGE GROUP
808 134TH ST SW, BUILDING B STE 211.
EVERETT WA. 98204

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2875 SEBASTOPOL RD
SANTA ROSA, CA 95407

DATE	NO.	DESCRIPTION
10/27/2021	2	UNIT MIX

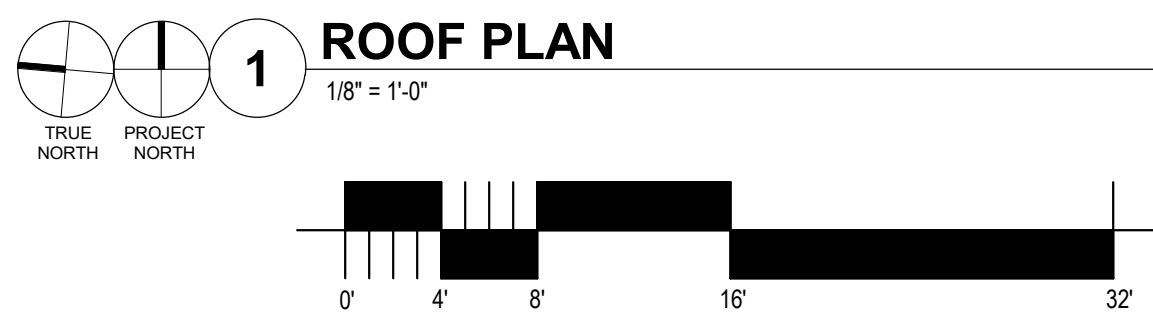
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PROJECT MGR.: T.B.
DRAWN BY: A.K.
CHECKED BY: AOR

FLOOR PLAN - LEVEL 03

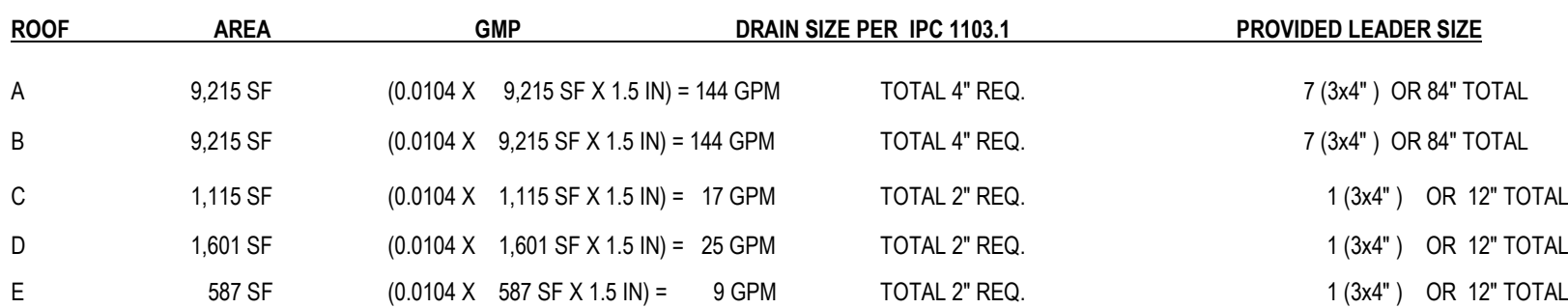
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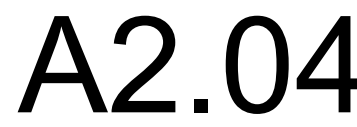
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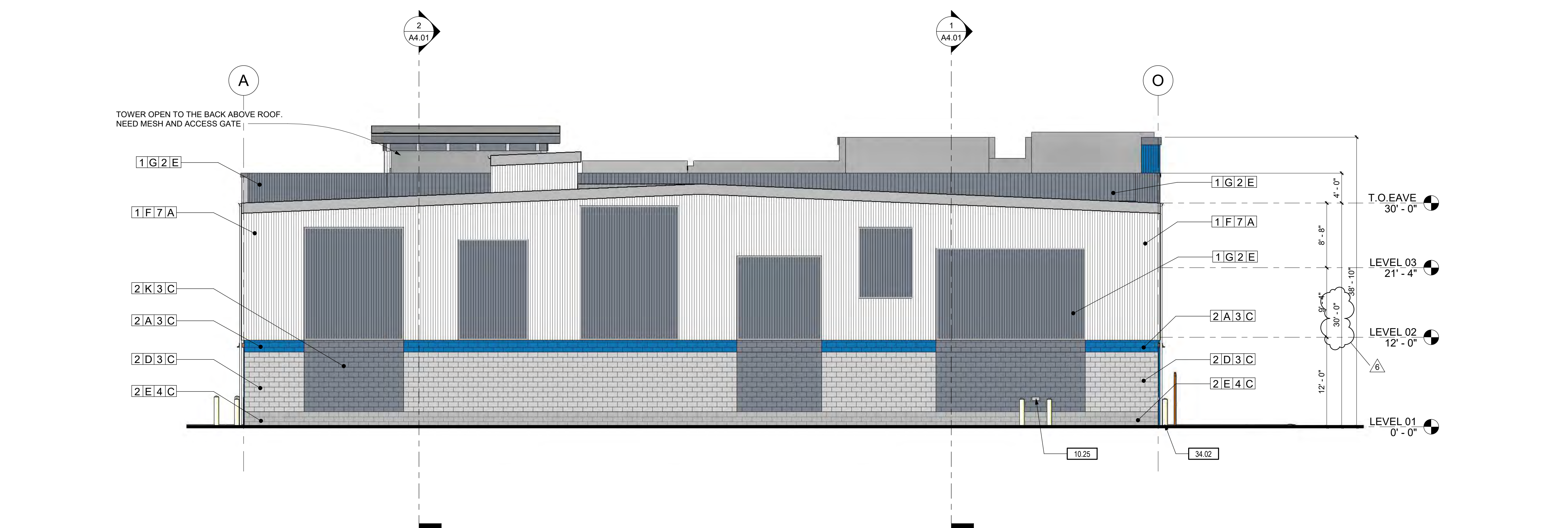


SANTA ROSA RAINFALL RATE 1.5 IN/H

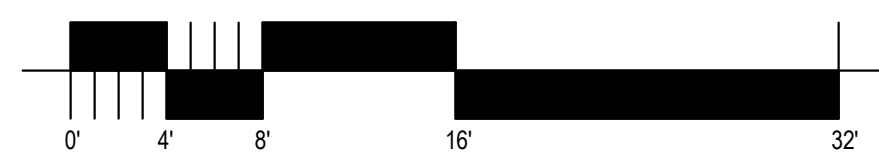


#	NOTE
07.02	18ga. PRE-FINISHED ALUMINUM DOWNSPOUT PER S.M.C.N.A. RECOMMENDATIONS, SIZED PER ROOF DRAINAGE CALCULATIONS; COLOR PER EXTERIOR ELEVATIONS, PROTECTION BOOT AT BASE REF. CIVIL
07.13	ROOF ACCESS HATCH PER PLANS, 36x 36" (U.N.O.), THERMALLY BROKEN WITH INTEGRAL INSULATED CURB BILCO TYPE E-5018 OR APPROVED EQUAL
10.19	10x20 AREA FOR BUILDING SIGNAGE, REF. ELEVATIONS. SIGNAGE UNDER SEPARATE PERMIT
23.05	ROOF TOP MECHANICAL SCREENING SYSTEM PER PLANS AND DETAILS





2 NORTH ELEVATION.
1/8" = 1'-0"



- A. REFER TO G0.01 FOR ABBREVIATIONS, SYMBOLS AND GENERAL PROJECT NOTES.
- B. LOCATIONS OF DOORS AND WALLS PER PLAN. REFER TO SCHEDULES FOR MATERIALS AND FINISHES INFORMATION.
- C. COORDINATE ALL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALL GALVANIZED EXPOSED EXTERIOR STEEL MEMBERS, SIZE PER STRUCTURAL TOWAL.
- D. PROVIDE CURBS WITH BURNING WOUNDS TO PREVENT ANY FLYING SPARKS DURING WELDING.
- E. PROVIDE CONTINUOUS SUBSILLS WITH END DAMS, WELDED JOINTS AT ALL ALUMINUM FRAMING SYSTEMS.
- F. PROVIDE TWENTY (20) SIMILAR MATERIALS, PROVIDE CONTINUOUS MINIMUM 3/8" BACKER ROD AND SEALANT.
- G. SUBMIT ALL EXTERIOR MATERIAL SAMPLES IN SINGLE SUBMITTAL. MATERIALS SUBMITTED SEPARATELY WILL BE REJECTED.
- H. MAINTAIN CODE REQUIRED SEPARATION BETWEEN ALL EXHAUST DISCHARGES AND OPERABLE OPENINGS OR PROPERTY LINE.
- I. MAINTAIN CODE REQUIRED SEPARATION BETWEEN ALL EXHAUST DISCHARGES AND MECHANICAL INTAKES.
- J. ALL EXTERIOR FINISHES SHALL TERMINATE AT AN INTERIOR CORNER UN.O.
- K. PROVIDE COORDINATION WITH ARCHITECT, CONSULTANTS AS NECESSARY LOCATION AND HEIGHTS OF EXTERIOR LOUVERS, HORNS, LIGHT FIXTURES, FIRE ALARM DEVICES PRIOR TO INSTALL.
- L. COORDINATE WITH MANUFACTURER ALL VERTICAL AND HORIZONTAL FIBER CEMENT PANELS JOINTS OR PATTERNS PER EXTERIOR FINISHES.
- M. EXTERIOR SOFFITS AND EAVES SHALL BE PER EXTERIOR UN.O.
- N. DAMPROOFING TO BE TROM-LED ON UN.O. OR ELEVATIONS.
- O. EXPOSED CONCRETE WALL, COLUMNS, AND BEAMS FINISH CARBUBURDUM.
- P. RUBBED AND PAINT COLOR SELECTED BY ARCHITECT.
- Q. WITHIN MASONRY WALLS:
 1. EXTEND STEEL LINTELS MINIMUM 8" PAST EACH SIDE OF OPENING, PAINT ALL RUBBED SURFACES.
 2. PROJECT ROWLOCK SOLDIER BRICK ACCENT BANDS 5/8" FROM ADJACENT FINISH FACE OF FACADE.
 3. EXTERIOR WEEP HOLES 1/4" O.C. TYP. UN.O. PER SPECIFICATIONS.
- R. GENERAL NOTES LISTED ON THIS PAGE ARE NOT INTENDED TO BE AT THE EXCLUSION OF NOTES LISTED ELSEWHERE; THIS DOCUMENT SET IS MEANT TO BE COMPLEMENTARY, AND NOT EXHAUSTIVE. ANY CONFLICTS MAY HAVE BEARING APPLICATION TO WORK SHOWN ON THIS SHEET.

The diagram shows a cross-section of a window unit. At the top, there are three boxes labeled 'X' representing different product options. Below these, a line indicates the 'COLOR' of the unit. To the right, a vertical line indicates the 'MANUFACTURER PROFILE'. Below the main window unit, there are two columns of options: 'PRODUCTS' and 'PROFILE / TEXTURE'. The 'PRODUCTS' column lists various window types and materials, while the 'PROFILE / TEXTURE' column lists different textures and finishes. A 'COLOR' section lists color options for the window frame. A 'MANUFACTURER' section lists different manufacturers for the window unit.

PRODUCT

COLOR

MANUFACTURER PROFILE

PRODUCTS

1. VERTICAL METAL SIDING
2. CONCRETE MASONRY UNITS
3. METAL PANELS
4. T.P.C.
5. FLASHING
6. HORIZONTAL METAL SIDING
7. T70 SERIES STOREFRONT
8. STANDING SEAM ROOF SYSTEM
9. WAINSCOT
10. LED PATRIOT WALL SCONCE (EXTERIOR LIGHTING)

COLOR

- A. REGAL WHITE (OR SIM. FOR CMU)
- B. WHITE
- C. SHERWIN WILLIAMS - 2849 WESTCHESTER GRAY
- D. TOWNAL (OR SIM. APPROVED)
- E. CHARCOAL (OR SIM. APPROVED)
- F. OLD NATURAL (COLOR W25)
- G. SLATE GRAY (COLOR W38)
- H. ANODIZED
- I. SOLAR WHITE
- J. POLISHED ALUMINUM
- K. XONY
- L. BRONZE

PROFILE / TEXTURE

1. 24ga SINEWAVE 2" PANELS
2. 24ga 4" BOX RIB PROFILE
3. GROUND FACE CMU
4. SPLT FACE CMU
5. SMOOTH PANEL
6. 12" SMOOTH FACE
7. 33" x 30" BOLD RIB
8. 24" MULLION
9. ULTRA DECK
10. DIAMOND PLATE
11. 44" BOLD RIB II

MANUFACTURER

- A. CORRUGATED METALS INC.
- B. JAMES HARDIE
- C. BASALITE
- D. MBO - METAL PRODUCTS
- E. METAL SOLS
- F. KAWNEER
- G. LSI INDUSTRIES

NOTE:
 DECORATIVE PANELS AT NORTH AND WEST OF BUILDING TO HAVE METAL TRIM BAND SURROUNDING PANEL SIM. TO COLOR PANEL

#	NOTE
05.14	AWNING, REF. ENL. PLANS. ATTACHMENT PER. STRUCTURAL
08.03	ALUMINUM STRUCTURE SYSTEM PER PLANS. ELEVATIONS AND DOOR GLAZING SCHEDULE. BASIS OF DESIGN: KAWNEER 4-1107 451 T (THERMALLY BROKEN), CENTER GLAZED SYSTEM WITH HIGH PERFORMANCE SILI DOUBLE-GLAZED GLAZING. REF. SCHEDULE FOR COATINGS, AIR-GAP AND PERFORMANCE REQUIREMENTS); COLOR AND FINISH PER STRUCTURE SCHEDULE
10.17	KEY BOX, MOUNTED TO METAL POST AT 42" ABOVE GRADE U IN O. (KNX BOX REFER TO FIRE DEPARTMENT NOTES AND FIRE DEPARTMENT REQUIREMENTS FOR KNX BOX TYPE; COORDINATE LOCATION WITH FIRE MARSHAL)
10.19	1020 AREA FOR BUILDING SIGNAGE, REF. ELEVATIONS. SIGNAGE UNDER SEPARATE PERMIT
10.25	ENTRY KEY PAD REF. SITE SCHEDULES
12.05	SITE/EXTERIOR LIGHTING, WALL MOUNT AT 9'-0" AFF. REF. ELECTRICAL
26.04	CHAIN-LINK PEDESTRIAN GATE, TUBULAR METAL, 36" WIDE EQUIPPED WITH ANSI A11.1 COMPLIANT HARDWARE AND MESH TO PREVENT ENTRY OR ACTUATION FROM EXTERIOR SIDE. MATERIALS AND COLOR TO MATCH CHAIN-LINK FENCING
34.02	DIAMETER SCHEDULE 40, CONCRETE-FILLED STEEL PIPE BOLLARD PER PLAN. PROVIDE 1/2" WALL THICKNESS THERMOPLASTIC BOLLARD COVER BASE (BASIS OF DESIGN: IDEAL-SHIELD 1/4" BOLLARD COVERS); COLOR: WHITE YELLOW, U.S. 1
KN.22	AUTOMATIC GATE TO HAVE EMERGENCY VEHICLE STROBE ACTIVATION AND EQUIP WITH A KNX BOX

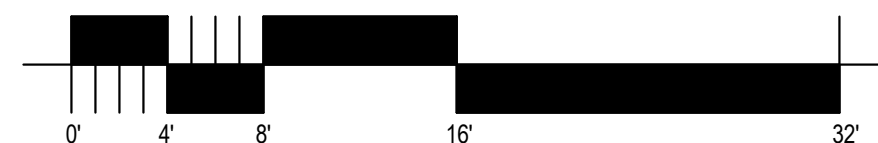


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CHECKED BY: T.E.

A3.01



B. REFER TO 00.01 FOR ABBREVIATIONS, SYMBOLS AND GENERAL PROJECT NOTES
C. LOCATIONS OF DOORS AND WALLS PER PLAN. REFER TO SCHEDULES FOR
D. FINISHES, INFORMATION.
E. COORDINATE ALL CONTROL JUNT LOCATIONS WITH ARCHITECT PRIOR TO INSTALL.
F. GALVANIZE EXPOSED EXTERIOR STEEL MEMBERS. SIZE PER STRUCTURAL TOUCH-
G. UP. PROVIDE EXTERIOR FINISHES TO MATCH INTERIOR FINISHES.
H. PROVIDE CONTINUOUS SUBSILLS WITH END DAMS, WELDED Joints AT ALL
I. ALUMINUM FRAMING SYSTEMS.
J. F. PROVIDE SCHEDULED MATERIALS. PROVIDE CONTINUED MINIMUM 3/8"
K. BACKER ROD AND SEALANT.
L. SUBMIT ALL EXTERIOR MATERIAL SAMPLES IN SINGLE SUBMITTAL. MATERIAL
M. SUBSTITUTIONS WITHOUT APPROVAL SHALL BE REJECTED.
N. MAINTAIN CODE REQUIRED SEPARATION BETWEEN ALL EXHAUST DISCHARGES AND
O. OPERABLE OPENINGS OR PROPERTY LINE.
P. PROVIDE SCHEDULED MATERIALS. PROVIDE CONTINUED MINIMUM 3/8"
Q. MECHANICAL INTAKES.
R. EXTERIOR FINISHES SHALL TERMINATE AT AN INTERIOR CORNER U.N.O.
S. K. COORDINATE WITH ARCHITECT, CONSULTANTS AS NECESSARY LOCATION AND
T. HEIGHTS OF EXTERIOR LOUVERS, HORNS, LIGHT FIXTURES, FIRE ALARM DEVICES
U. L. COORDINATE WITH MANUFACTURER ALL VERTICAL AND HORIZONTAL FIBER
V. CEMENT PANELS JOINTS OR BATTENS PER EXTERIOR ELEVATIONS.
W. EXTERIOR SOFFITS SHALL BE FINISHED TO MATCH EXTERIOR FINISHES.
X. N. DAMPROOFING TO BE TROWELED ON U.N.O. IN SPECIFICATIONS.
Y. O. EXPOSED CONCRETE WALL, COLUMNS, AND BEAMS FINISH CARBONBUND-
Z. RUB AND PAINT TO MATCH COLOR SELECTED BY ARCHITECT.
A. WITHIN MASONRY WALLS.
B. EXTEND STEEL LINTELS MINIMUM 8" PAST EACH SIDE OF OPENING. PAINT ALL
C. SUBSILL SURFACES.
D. PROJECT ROWLOCK/ SOLDIER BRICK ACROSS EACH BANDS 5/8" FROM ADJACENT
E. FINISH FACE OF FACADE.
F. 3. MASONRY WEIGHT SHALL BE 24" C.G. TYP. U.N.O. PER SPECIFICATIONS.
G. Q. GENERAL NOTES LISTED ON THIS PAGE ARE NOT INTENDED TO BE AT THE
H. EXCLUSION OF NOTES LISTED ELSEWHERE. THIS DOCUMENT SET IS MEANT TO BE
I. SUPPLEMENTARY TO THE SPECIFICATIONS. ANY CONFLICTS MAY HAVE
J. BEARING/APPLICATION TO SHOW SPOON ON THIS SHEET.

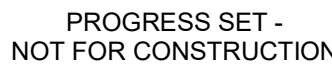
The diagram illustrates a product profile with two main sections: **COLOR** and **PROFILE / TEXTURE**.

COLOR is represented by a horizontal bar divided into three segments, each labeled with a color name: **REGAL BLUE**, **WHITE**, and **SHERWIN WILLIAMS - 20M FINEST WESTCHSTER GRAY**. Below this bar, the text **PRODUCT COLOR** is written.

PROFILE / TEXTURE is represented by a horizontal bar divided into three segments, each labeled with a texture name: **1/2" SMOOTH FACE**, **1/2" SMOOTH FACE**, and **1/2" SMOOTH FACE**. Below this bar, the text **MANUFACTURER PROFILE** is written.

The diagram shows that the product has a specific color and texture profile, and the manufacturer's profile is also specified.

#	NOTE
05.16	AWNING, REF. ENCL. PLANS, ATTACHEMENT PER. STRUCTURAL.
05.24	CAPPED TUBE STEEL FRAMING, REF. STRUCTURAL.
07.02	18ga. PER-FINISHED ALUMINUM DOWNSPOUT PER S.M.C.A.N.A. RECOMMENDATIONS, SIZED PER ROOF DRAINAGE CALCULATIONS. COLOR: EXTERIOR ELEVATION: PROTECTION BODY AT BASE REF. CIVIL. ALUMINUM STOREFRONT SYSTEM PER PLANS. ELEVATIONS AND DOOR/GLAZING SCHEDULE: BASIS OF DESIGN: KAWNEER (2x 4-1/2" 451 T THERMALLY BROKEN), CENTER GLAZED SYSTEM WITH HIGH PERFORMANCE SILL, DOUBLE-GLAZED GLAZING, REF. SCHEDULE FOR COATINGS, AIR-GAP A PERFORMANCE REQUIREMENTS); COLOR: AND FINISH PER STOREFRONT SCHEDULE.
10.19	10/20 AREA FOR BUILDING SIGNAGE, REF. ELEVATIONS; SIGNAGE UNDER SEPARATE PERMIT
10.25	ENTRY KEY PAD REF. SITE DETAILS
10.28	PLATE COMPROLLER PAD, 8.0" LINEAR SL SERIES, REF. WCCS SPECS
12.01	BICYCLE RACK SIGNAGE, REF. 16/41 01
26.05	SITE/EXTERIOR LIGHTING: WALL MOUNT AT 9'-0" AFF. REF. ELECTRICAL LIGHT FIXTURE TYPE, REF. WCCS SPECS FOR DETAILS
26.06	16" DIAMETER, SCHEDULE 40, CONCRETE-FILLED STEEL PIPE BOLLARD PER DET. PROVIDE 1/4" BOLLARD SIGNAGE, 1/4" BOLLARD SLEEVE COVER (BASIS OF DESIGN: IDEAL-SHEAL 1/4" BOLLARD COVERS); COLOR: SAFETY YELLOW, U.N.O.
34.02	MONUMENT SIGN PER PLANS; SIGN DESIGN BY OTHERS AND UNDER SEPARATE PERMIT
KN.10	



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03/09/2023

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PROJECT MGR.: T.B
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CHECKED BY: T.B

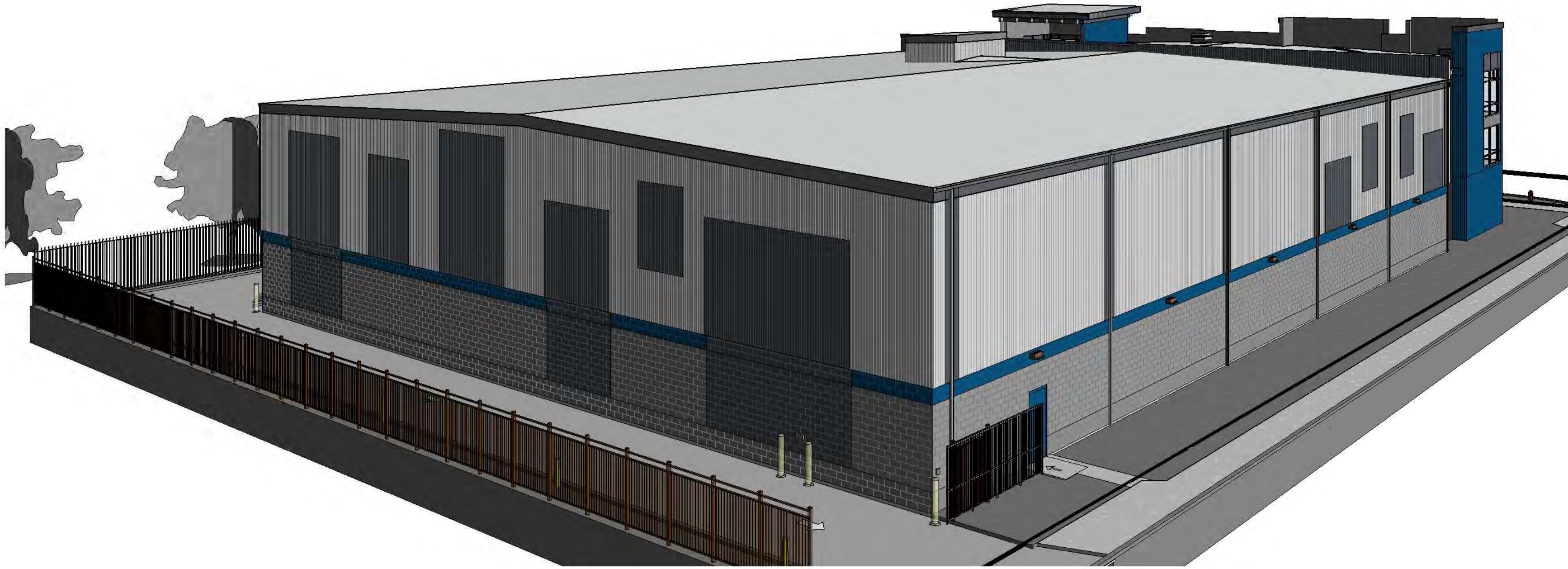
EXTERIOR ELEVATIONS

A3.02

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AIERIAL VIEW LOOKING NORTH WEST



AIERIAL VIEW LOOKING SOUTH EAST



SOUTH EAST CORNER - ENTRY



SOUTH WEST CORNER



LOADING BAY



NORTH EAST CORNER



NORTH WEST CORNER

DATE	NO.	DESCRIPTION
07/28/22	5	DESIGN REVIEW REVISED PLAN #2



PROJECT NO.: 21085
PROJECT MGR.: T.B
DRAWN BY: A.K
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PROJECT IMAGERY

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ABBREVIATIONS

A	AMPERES
AF	AMP-FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CURRENT
ARCH	ARCHITECT
ARF	ABOVE RAISED FLOOR
AT	AMP-TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CEC	CALIFORNIA ELECTRICAL CODE
CL	CENTER-LINE
CLG,C	CEILING
CKT	CIRCUIT
CO	CONDUIT ONLY
CONC	CONCRETE
CONT.	CONTINUED/CONTINUATION
CT	CURRENT TRANSFORMER
CU	COPPER
Δ	DELTA-CONNECTED
Δ	DEEP DEPTH
D	DIAMETER
DN	DOWN
DP	DISTRIBUTION PANELBOARD
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EC	ENCLOSED CIRCUIT BREAKER
ELEC	ELECTRIC, ELECTRICAL
EM	EMERGENCY / STANDBY POWER
EMS	ENERGY MANAGEMENT SYSTEM
EOL	END-OF-LINE
EQUIP	EQUIPMENT
EV	ELECTRIC VEHICLE CHARGING STATION
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAEP	FIRE ALARM EXTENDER PANEL
FATC	FIRE ALARM TERMINAL CABINET
FIXT	FIXTURE
FLUOR	FLUORESCENT
FT	FOOT, FEET
G	GROUND
GD	GARBAGE DISPOSAL
GFI	GROUND FAULT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
INCAN	INCANDESCENT
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LL	LOW-LEVEL
LTV	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MPOE	MAIN POINT OF ENTRY
MTD	MOUNTED
(N)	NEW
NATS	NON-AUTOMATIC TRANSFER SWITCH
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION AGENCY
NIC	NOT INCLUDED IN CONTRACT
NL	NIGHTLIGHT
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OL	OVERLOAD
P	POLE
PA	PUBLIC ADDRESS
PH	PHASE
PNL	PANELBOARD
POC	POINT OF CONNECTION
PV	PHOTOVOLTAIC
(R)	RELOCATED
RAC	RIGID ALUMINUM CONDUIT
RECEP	RECEPTACLE
REFRIG.	REFRIGERATOR/REFRIGERATION
RM	ROOM
SAD	SEE ARCHITECTURAL DRAWINGS
SCA	SHORT CIRCUIT AVAILABLE
SCD	SEE CIVIL DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SSD	SEE STRUCTURAL DRAWINGS
STC	SIGNAL TERMINAL CABINET
SWBD	SWITCHBOARD
TEL	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TC	TERMINAL CABINET
TV	TELEVISION
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UG	UNDERGROUND
UGPS	UNDERGROUND PULL SECTION
UL	UNDERWRITERS LABORATORIES
UN	UNLESS OTHERWISE NOTED
V	VOLT(S)
VA	VOLT AMPERE(S)
W	WIRE
WM	SURFACE RACEWAY ("WIEMOLD")
WP	WEATHERPROOF
XFMR	TRANSFORMER
Y	WYE-CONNECTED

LIGHTING FIXTURES

LIGHTING FIXTURE SUBSCRIPTS: A = FIXTURE TAG, SEE LIGHT FIXTURE SCHEDULE LB-1 = CIRCUIT TO PANEL "LB" CIRCUIT #1 C-1 OR (Z1) (Z2), ETC. = ZONE IDENTIFICATION a,b,c, ETC. = SWITCHLEG IDENTIFICATION NL = NIGHT/SECURITY LIGHT	
	RECESSED DOWNLIGHT FIXTURE
	RECESSED WALLWASH FIXTURE
	RECESSED LINEAR FIXTURE
	SURFACE LINEAR FIXTURE
	RECESSED INDIRECT FIXTURE, INSIDE LINES INDICATE DIRECTION OF DIFFUSER.
	SURFACE INDIRECT FIXTURE, INSIDE LINES INDICATE DIRECTION OF DIFFUSER.
	PENDANT FIXTURE
	WALL-MOUNTED FIXTURE
	STRIP FIXTURE
	PENDANT MOUNTED FIXTURE
	CEILING MOUNTED FIXTURE
	CEILING MOUNTED WALLWASH FIXTURE
	FLOODLIGHT FIXTURE
	RECESSED STEP LIGHT FIXTURED
	IN-GRADE FIXTURE
	LINEAR FIXTURE MOUNTED IN CASEWORK OR COVE, UON
	TRACK LIGHT SYSTEM, QUANTITY OF FIXTURES AS SHOWN
	POLE-MOUNTED FIXTURE
	POST MOUNTED OR BOLLARD FIXTURE
	SHADING INDICATES FIXTURE CONNECTED TO EMERGENCY OR STANDBY POWER. FIXTURE SCHEDULE WILL IDENTIFY IF FIXTURE PROVIDED WITH INTEGRAL BATTERY PACK
	BATTERY POWERED EGRESS LIGHTING UNIT
	EXIT SIGN
	COMBINATION EXIT SIGN AND EGRESS LIGHT FIXTURE

LIGHTING CONTROLS

LIGHTING CONTROLS GENERAL NOTES: INSTALL SWITCHES +48" AFF TO TOP OF BOX, UON. CONFIRM SWITCH/DIMMER COMPATIBILITY WITH APPROVED LIGHT FIXTURE SUBMITTAL.	
a,b,c	LINE VOLTAGE, SINGLE-POLE, SINGLE-THROW SWITCH (SWITCHES +48" AFF TO TOP OF BOX, UON) SWITCH SUBSCRIPTS: a,b,c = SWITCHLEG IDENTIFICATION 2 = TWO-POLE 3 = THREE-WAY 4 = FOUR-WAY K = KEY OPERATED SWITCH PROVIDE MULTI-GANG BACKBOX AS REQUIRED TO ACCOMMODATE MULTIPLE SWITCH LEGS
a,b,c	LOW-VOLTAGE CONTROL KEYPAD CONNECTED TO LIGHTING CONTROL SYSTEM IN SINGLE GANG OUTLET BOX. a,b,c = SWITCHLEG IDENTIFICATION OS = WITH INTEGRAL OCCUPANCY SENSOR 3 = KEYPAD TAG #, SEE SWITCH CONTROL SCHEDULE
	SIMILAR TO "S" EXCEPT PROVIDE TWO GANG OUTLET BOX
	LINE VOLTAGE, DIMMER SWITCH
	LINE VOLTAGE, COMBINATION/SELF-CONTAINED ON/OFF SWITCH WITH OCCUPANCY SENSOR. • = PROGRAMMED AUTO ON / AUTO OFF V = PROGRAMMED MANUAL ON / AUTO OFF (VACANCY SENSOR)
	LINE VOLTAGE, COMBINATION/SELF-CONTAINED ON/OFF SWITCH WITH OCCUPANCY SENSOR AND DIMMER/DIMMING CONTROL. • = PROGRAMMED AUTO ON / AUTO OFF V = PROGRAMMED MANUAL ON / AUTO OFF (VACANCY SENSOR)
	OCCUPANCY SENSOR, CEILING MOUNTED
	OCCUPANCY SENSOR, CORNER/WALL MOUNTED
	DAYLIGHT SENSOR
	PHOTOCELL
	DOOR SWITCH
	CLOCK, +96" AFF, UON
	PUBLIC ADDRESS SPEAKER, +96" AFF, UON
	COMBINATION CLOCK/SPEAKER, +96" AFF, UON
	BELL, +96" AFF, UON
	VOLUME CONTROL, +48" AFF, UON
	MICROPHONE OUTLET, +18" AFF, UON
	THERMOSTAT, +48" AFF, UON
	CONTACTOR
	RELAY
	SELECTOR SWITCH
	SOLENOID VALVE
	SECURITY DOOR CONTACT

FIRE DETECTION AND ALARM

	FIRE ALARM CONTROL PANEL (FACP)
	CEILING MOUNTED COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR
	FIRE SMOKE DAMPER
	ELECTRO-MAGNETIC DOOR HOLDER

POWER AND ROUGH-IN

	SWITCHBOARD, DISTRIBUTION PANEL, MOTOR CONTROL CENTER
	SURFACE PANELBOARD
	FLUSH PANELBOARD
	SURFACE TERMINAL CABINET OR CONTROL PANEL AS NOTED
	FLUSH TERMINAL CABINET OR CONTROL PANEL AS NOTED
	UTILITY POLE
	POLE MOUNTED TRANSFORMER
	PAD MOUNTED TRANSFORMER, UNO
	UNDERGROUND MANHOLE, HANDHOLE OR PULLBOX P = POWER TE = TELCOM/SIGNAL FA = FIRE ALARM
	GROUND CONNECTION
	BUS OR TERMINALS (“G” DENOTES GROUND, “N” DENOTES NEUTRAL)
	SPLICE OR TAP
	CIRCUIT BREAKER (100 AMP TRIP, 3-POLE)
	CURRENT TRANSFORMER
	METER
	FUSE
	SURGE PROTECTION DEVICE (TVSS)
	GROUND-FAULT INTERRUPTER
	SHUNT-TRIP
	ARC FLASH REDUCTION MAINTENANCE MODE SWITCH/ACCESSORY
	KIRK KEY INTERLOCK BETWEEN BREAKERS, SOLID CIRCLE INDICATES KEY NORMALLY CAPTIVE.
	EQUIPMENT TAG (MECHANICAL OR OTHER)
	ELECTRICAL FEEDER TAG, SEE FEEDER SCHEDULE FOR ADDITIONAL INFORMATION
	MOTOR PROVIDED AND SET BY OTHERS. LINE CONNECTIONS BY THE ELECTRICAL CONTRACTOR.
	GENERATOR
	FLOW SWITCH
	HEAVY DUTY NON-FUSIBLE DISCONNECT SWITCH PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. NEMA TYPE 1 INDOORS, TYPE 3R OUTDOORS, UNO. AMPERAGE AND NUMBER OF POLES TO MATCH FEEDER BREAKER SIZE, UNO.
	SIMILAR TO "□" EXCEPT FUSED.
	ENCLOSED CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION
	VARIABLE FREQUENCY DRIVE, PROVIDED BY MECHANICAL/ PLUMBING CONTRACTOR, SET AND WIRED BY ELECTRICAL CONTRACTOR.
	MOTOR-RATED TOGGLE SWITCH WITH TOGGLE LOCK ATTACHMENT, WALL MOUNT AT 48" AFF OR ADJACENT TO EQUIPMENT BEING SERVED. PROVIDE FLEXIBLE CONNECTION TO VIBRATING EQUIPMENT.
	MANUAL MOTOR STARTER SWITCH, TOGGLE TYPE WITH NEON PILOT LIGHT, AND TOGGLE LOCK ATTACHMENT, SURFACE MOUNT ON WALL AT 48" AFF OR ADJACENT TO EQUIPMENT BEING SERVED. PROVIDE FLEXIBLE CONNECTION TO VIBRATING EQUIPMENT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	COMBINATION MAGNETIC MOTOR STARTER/FUSED DISC. SWITCH WITH AUX. SPDT CONTACT, (3) DUAL ELEMENT FUSES, FVNR STARTER WITH (2) NO/NC CONVERTIBLE AUX. CONTACTS, 24V CONTROL POWER XFMR AND H-O-A SELECTOR SWITCH, AND MOTOR RUN INDICATING LAMP. STARTER AND FUSE SIZE AS INDICATED ON DRAWINGS. CONFIRM CONTROL POWER VOLTAGE WITH MECHANICAL CONTRACTOR. ALLEN BRADLEY BULLETIN 512 OR EQUIVALENT.
	TERMINAL CONNECTION ON EQUIPMENT PROVIDED AND SET BY OTHERS. LINE CONNECTIONS BY THE ELECTRICAL CONTRACTOR.
	JUNCTION BOX, SIZED PER CODE, UON
	CONDUIT AND WIRE. HATCHES INDICATE QUANTITY OF #12 AWG CONDUCTORS, UNO. GROUND CONDUCTORS NOT SHOWN, PROVIDE GREEN GROUND CONDUCTORS SIZED IN ACCORDANCE WITH CEC TABLE 250-122. REFER TO BRANCH CIRCUIT SIZING NOTES ON DRAWINGS
	SIMILAR TO "— —" EXCEPT FLEXIBLE CONDUIT CONNECTION
	CONDUIT
	UNDERGROUND/UNDERFLOOR CONDUIT
	EXISTING CONDUIT
	CONDUIT TO BE REMOVED
	HOMERUN TO PANELBOARD OR CABINET AS NOTED
	CONDUIT STUBBED AND CAPPED
	CONDUIT UP
	CONDUIT DOWN

TELECOMMUNICATIONS

TELECOMMUNICATIONS GENERAL NOTES: COORDINATE ALL ROUGH-IN REQUIREMENTS WITH THE TELECOMMUNICATIONS, AV, AND/OR LOW VOLTAGE SYSTEM VENDORS AND CONTRACTORS PRIOR TO ROUGH-IN.	
	PROVIDE TELEPHONE/DATA EQUIPMENT BACKBOARD
	PROVIDE TELEPHONE/DATA OUTLET PROVISION CONSISTING OF A 4" SQUARE X 2-1/2" DEEP BOX WITH SINGLE GANG PLASTER RING AT 18" AFF, UON. "H" = LOCATE AT +48"
	PROVIDE TELEPHONE/DATA FLOOR OUTLET. SEE SPECIFICATIONS FOR FLOOR BOX SPECIFICATION.
	PROVIDE AV/DATA OUTLET PROVISION CONSISTING OF A 4" SQUARE X 2-1/2" DEEP BOX WITH SINGLE GANG PLASTER RING. COORDINATE EXACT LOCATION WITH TV MOUNTING BRACKET AND ARCHITECT

SYMBOLS LIST AND ABBREVIATIONS

- NOTES:
1. ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS
2. DASHED LINETYPE INDICATES EXISTING DEVICE OR EQUIPMENT
3. +48" WALL MOUNTING SHALL BE TO TOP OF BOX (ADA).

GENERAL

	KEY NOTE
	DETAIL OR PLAN REFERENCE (DETAIL 1, SHEET E1.0)
	SECTION/CUT SEE FLOOR PLAN 1, SHEET E1.0

RECEPTACLES

RECEPTACLE TAG DESCRIPTIONS:		GFCI TYPE RECEPTACLE
		RECEPTACLE PROTECTED BY GFCI TYPE CIRCUIT BREAKER, WHERE APPLICABLE PROVIDE COBINATION AFCI/GFCI TYPE CIRCUIT BREAKER CEC 210.12. DO NOT INSTALL GFCI TYPE RECEPTACLE
		WEATHER RESISTANT TYPE RECEPTACLE WITH WEATHERPROOF IN-USE COVER
		DUPLEX RECEPTACLE WITH DUPLEX USB CHARGING PORTS
		RECEPTACLE FOR WALL MOUNTED TELEVISION, COORDINATE EXACT LOCATION WITH TV MOUNTING BRACKET AND ARCHITECT
		RECEPTACLE CIRCUITED TO EMERGENCY/STANDBY POWER PANEL
		INSTALL RECEPTACLE ON CEILING SURFACE
		120V, DUPLEX RECEPTACLE. MOUNT FLUSH IN WALL AT 18" AFF, UON
		120V, DUPLEX RECEPTACLE. MOUNT FLUSH IN WALL ABOVE COUNTERTOP OR +42" AFF WHERE NO COUNTERTOP
		SIMILAR TO "120V / 120V" EXCEPT CONNECTED TO DEDICATED CIRCUIT BREAKER
		SIMILAR TO "120V / 120V" EXCEPT SPLIT WIRED WITH ONE RECEPTACLE TO BE CONTROLLED AND/OR POWERED VIA THE LIGHTING CONTROL SYSTEM
		SIMILAR TO "120V / 120V" EXCEPT ENTIRE RECEPTACLE TO BE POWERED AND CONTROLLED VIA THE LIGHTING CONTROL SYSTEM
		TWO 120V, DUPLEX RECEPTACLES MOUNTED IN A COMMON 2-GANG BOX. MOUNT FLUSH IN WALL AT 18" AFF, UON
		TWO 120V, DUPLEX RECEPTACLES MOUNTED IN A COMMON 2-GANG BOX. MOUNT FLUSH IN WALL ABOVE COUNTER TOP OR +42" AFF WHERE NO COUNTERTOP
		SIMILAR TO "Two 120V Duplex Receptacles" EXCEPT BOTH RECEPTACLES CONNECTED TO COMMON, DEDICATED CIRCUIT
		SIMILAR TO "Two 120V Duplex Receptacles" EXCEPT ONE RECEPTACLE TO BE POWERED AND CONTROLLED VIA THE LIGHTING CONTROL SYSTEM
		TWO 120V, DUPLEX GROUNDING RECEPTACLES EACH WITH DUPLEX USB CHARGING PORTS, MOUNTED IN COMMON 2-GANG BOX FLUSH IN WALL AT 18" AFF, UON
		ONE 120V, DUPLEX RECEPTACLE SPLIT WIRED WITH ONE RECEPTACLE TO BE POWERED AND CONTROLLED VIA THE LIGHTING CONTROL SYSTEM, AND ONE DUPLEX RECEPTACLE WITH DUPLEX USB CHARGING PORTS CIRCUITED DIRECT TO PANELBOARD. MOUNT IN COMMON 2-GANG BOX FLUSH IN WALL AT 18" AFF, UON.
		120V, SINGLE RECEPTACLE. MOUNT FLUSH IN WALL AT 18" AFF, UON
		120V, RECESSED CLOCK TYPE RECEPTACLE. LEGRAND #S3713 OR EQUIVALENT. COORDINATE EXACT LOCATION WITH ARCHITECT.
		RECEPTACLE WITH NEMA CONFIGURATION AS NOTED. MOUNT FLUSH IN WALL AT 18" AFF, UON.
		COMBINATION NON-FUSED DISCONNECT WITH PIN AND SLEEVE. RECEPTACLE. SEE PLAN VIEW FOR SPECIFICATION AND ADDITIONAL INFORMATION
		COMBINATION NON-FUSED DISCONNECT WITH PIN AND SLEEVE RECEPTACLE AND 120V CONVENIENCE OUTLET. SEE PLAN VIEW FOR SPECIFICATION AND ADDITIONAL INFORMATION
		120V, SINGLE RECEPTACLE IN FLOOR BOX. SEE SPECIFICATIONS FOR FLOOR BOX SPECIFICATION.
		120V, DUPLEX RECEPTACLE IN FLOOR BOX. SEE SPECIFICATIONS FOR FLOOR BOX SPECIFICATION.
		TWO 120V, DUPLEX RECEPTACLES IN FLOOR BOX. SEE SPECIFICATIONS FOR FLOOR BOX SPECIFICATION.
		120V, DUPLEX RECEPTACLE AND TELE/DATA OUTLET IN COMMON FLOOR BOX. SEE SPECIFICATIONS FOR FLOOR BOX SPECIFICATION.
		FLOOR OUTLET ASSEMBLY, SEE PLAN VIEW FOR SPECIFICATION AND ADDITIONAL INFORMATION.
		FLOOR POKETHROUGH ASSEMBLY, SEE PLAN VIEW FOR SPECIFICATION AND ADDITIONAL INFORMATION.
		MULTI-OUTLET ASSEMBLY OR PLUG STRIP, SEE PLAN VIEW FOR SPECIFICATION AND ADDITIONAL INFORMATION.
		ELECTRIC VEHICLE CHARGER SPECIFIED BY OWNER, PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
		ELECTRIC VEHICLE CHARGER SPECIFIED BY OWNER, PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. PROVIDE AND INSTALL LOCAL NON-FUSIBLE DISCONNECT ADJACENT TO CHARGER.

LIST OF DRAWINGS

E10 SYMBOLS AND ABBREVIATIONS, LIST OF DRAWINGS

E11 ELECTRICAL SITE PLAN - LIGHTING

LIST OF SPECIFICATIONS

26 0000	BASIC ELECTRICAL REQUIREMENTS
26 0500	BASIC ELECTRICAL MATERIALS AND METHODS
26 0943	LIGHTING CONTROL SYSTEM
26 5000	LIGHTING

CODE REQUIREMENTS

2019 CALIFORNIA ADMINISTRATIVE CODE (CAC)
PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS
2019 CALIFORNIA BUILDING CODE (CBC)
PART 2, TITLE 24, CCR, BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC)
2019 CALIFORNIA ELECTRICAL CODE (CEC)
PART 3, TITLE 24, CCR, BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC)
2019 CALIFORNIA ENERGY CODE
PART 6, TITLE 24, CCR; CALIFORNIA ENERGY COMMISSION BUILDING EFFICIENCY STANDARDS:
2019 NONRESIDENTIAL COMPLIANCE MANUAL
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBCS)
PART 11, TITLE 24, CCR

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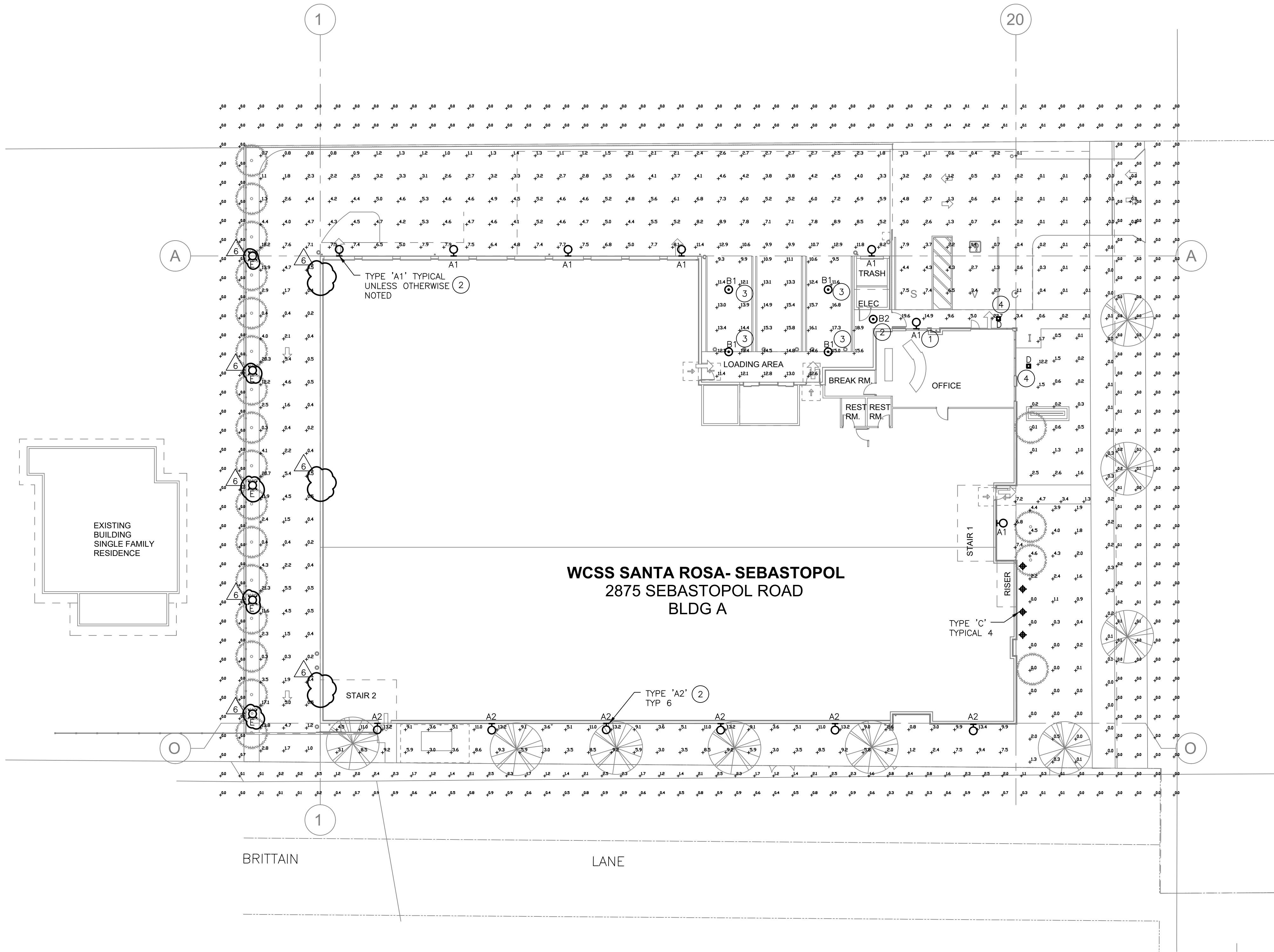
2875 SEBASTOPOL ROAD
SYMBOLS AND ABBREVIATIONS,
LIST OF DRAWINGS

	05-27-2022 EXTERIOR LIGHTING
	08-03-2022 PLAN CHECK RESPONSE
	03-08-2023 PLAN CHECK REVISIONS

DATE:	03/08/2022
JOB NO:	2021148
SCALE:	AS SHOWN
DRAWN:	VD
CHECKED:	NP
SHEET	

E1.0

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SYMBOLS LIST

- LIGHTING FIXTURE SUBSCRIPTS:
A = FIXTURE TAG, SEE LIGHT FIXTURE SCHEDULE
WALL-MOUNTED FIXTURE
PENDANT MOUNTED FIXTURE
IN-GRADE FIXTURE
RECESSED DOWNLIGHT
BOLLARD
KEY NOTE

KEY NOTES

1. MOUNT LIGHT FIXTURE AT 9'-0" AFF.
2. MOUNT LIGHT FIXTURE AT 11'-0" AFF.
3. MOUNT LIGHT FIXTURE AT 19'-0" AFF.
4. MOUNT LIGHT FIXTURE IN CANOPY, APPROX 9'-0" AFF.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER AND MODEL	DESCRIPTION	LAMP TYPE	WATTS PER FIXTURE	VOLTAGE
A1	LSI INDUSTRIES LED PATRIOT SERIES # XPWS3-F1-LED-48-350mA-NW-UE	LED WALL, SCONCE, FORWARD THROW DISTRIBUTION, BUG RATING B1-U0-G1, CONFIRM FINISH WITH ARCHITECT	LED 4000K 4863LM	55	120
A2	LSI INDUSTRIES LED PATRIOT SERIES # XPWS3-WW-LED-48-350mA-NW-UE	SAME AS FIXTURE TYPE A1 EXCEPT WALL WASH DISTRIBUTION, BUG RATING B2-U0-G0	LED 4000K 4880LM	55	120
B1	LSI INDUSTRIES EXCURSION (EXN) SERIES # EXN-P-EGLED-10L-TSN-T5WU-UNV-DIM-40-70CRI	LED PENDANT MOUNT FIXTURE WITH UP AND DOWN LIGHTING COMPONENTS, TYPE V NARROW DOWNLIGHT DISTRIBUTION AND TYPE V WIDE UPLIGHT DISTRIBUTION, 0-TOV DIMMING DRIVER, CONFIRM FINISH WITH ARCHITECT	LED 4000K 10010LM	76	120
B2	LSI INDUSTRIES EXCURSION (EXN) SERIES # EXN-P-EGLED-5L-TSN-T5WU-UNV-DIM-40-70CRI	SAME AS FIXTURE TYPE B1 EXCEPT LUMEN PACKAGE	LED 4000K 5340LM	37	120
C	KIM LIGHTING LIGHTVAULT 8 EYE BALL # LTV82EB-WW-12L-3K-UV-RCA82	LED IN-GRADE LIGHT FIXTURE, WALL WASH DISTRIBUTION, 53.2 DEGREE BEAM ANGLE	LED 3000K 1198LM	19	120
D	DMF LIGHTING #DRDH-N-JD-DRD2M-12-9-40-FL-O-DRD2T-S-JD-S-TBD	4" DIA. SQUARE RECESSED LED DOWNLIGHT, 40 DEGREE FLOOD BEAM SPREAD, BEVELED TRIM, INTEGRATED DIMMER, CONFIRM FINISH WITH ARCHITECT	LED 4000K 1250LM	14	120
E	LITHONIA LIGHTING #DSXB LED-12C-700-40K-ASY-MVOLT-TBD	6" DIA. ROUND x 42" H. LED BOLLARD, ASYMMETRIC DISTRIBUTION, 700MA DRIVE CURRENT, CONFIRM FINISH WITH ARCHITECT, BUG RATING: B1-U0-G1	LED 4000K 2335LM	31	120

ELECTRICAL SITE PLAN - LIGHTING

SCALE: 1/16"=1'-0"

1

WEST COAST SELF STORAGE GROUP
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2875 SEBASTOPOL ROAD

ELECTRICAL SITE PLAN - LIGHTING

05-27-2022 EXTERIOR LIGHTING
08-03-2022 PLAN CHECK RESPONSE
03-08-2023 PLAN CHECK REVISIONS

DATE: 03/08/2022
JOB NO: 2021148
SCALE: AS SHOWN
DRAWN: VD
CHECKED: NP
SHEET

E1.1

SUMMIT
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463 Aviation Blvd, Suite 200 • Santa Rosa, CA 95403
707-527-0775 • www.summit-sr.com



LIGHT FIXTURE CUT SHEETS

West Coast Self Storage – Santa Rosa
2875 Sebastopol Road
Santa Rosa, CA 95407

August 2, 2022

LED PATRIOT® WALL SCNCE (XPWS3)



DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIGHT OUTPUT - XPWS3						
		Distribution/Lumens (Nominal)				
Milliamps	# of LEDs	Type FT	Type WT	Type WW	Watts	
Cool White 350 mA	28	3100	3000	3200	34	
	48	5100	5100	5200	55	
	28	3700	3600	3800	44	
	48	6200	6100	6300	72	
Neutral White 450 mA	28	2900	2900	3100	34	
	48	4900	4800	4900	55	
	28	3500	3500	3700	44	
	48	5800	5700	5800	72	

LED Chips are frequently updated therefore values may increase.

Also available in traditional light sources

US patent 7828456, 8002428 and CAN 2736757 & 2736757 and MX patent 29631 and ISRL 49679 and AUS 2008312668 and US & Int'l. patents pending

SMARTTEC™ -LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature

ENERGY SAVING CONTROL OPTIONS - DIM- 0-10 volt dimming enabled with controls by others.

OPTIONAL INTEGRAL MOTION SENSOR - Passive infrared motion sensor activates switching of luminaire light levels. High level light is activated when passersby enter target zone and increased to full bright in 1-2 seconds. Low light level (30% of maximum drive current) is activated when target zone is absent of motion activity for 5 minutes and is gradually ramped down (10 seconds) to low level. Sensor detection range 110° horizontal x 93° vertical x 10 meters maximum distance.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Available with 28 or 48 select high-brightness LEDs in Cool White (5000K) or Neutral White (4000K) color temperature, 70 CRI.

OPTICS/DISTRIBUTIONS - Ultra-high efficiency reflectors provide three distributions. Choose from Wide Throw (WT), Forward Throw (FT) or Wall Wash (WW).

HOUSING - One-piece die-cast aluminum housing is smoothly contoured rectangular shape. Mounting hardware is stainless steel or electro-zinc plated steel. Housing and optical unit are sealed with extruded silicone gasket; supply conductors with molded EPDM bushing.

OPTICAL UNIT - Clear tempered optical-grade flat glass lens sealed to the aluminum optic housing creates an IP65 rated unit. Pressure stabilizing breather allows super-tight protection while preventing cycling from building up internal pressures and vacuums that can stress optical unit seals.

WALL MOUNTING - Galvanized-steel universal wall mounting plate easily mounts directly to 4" octagonal or square junction box. EPDM gasket is supplied to be installed between mounting plate and junction box, sealing junction box from entrance of water. Universal plate permits fixture to be mounted in uplighting (indoor only) or downlighting position.

POLE MOUNTING - XPMA (for square) or XPMAR (for round) allows mounting to poles in single and D180 configurations. Use with 3" reduced drilling pattern.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (50/60Hz input) or 347-480VAC.

DRIVER - Available in 350mA and 450mA drive currents (Drive currents are factory programmed). Components are fully encased in potting material for IP65 moisture resistance. Driver complies with IEC and FCC standards. Driver can be easily accessed.

EMERGENCY OPTIONS - Optional integral emergency battery-back-up options are available. BB option operates in 0°C to 60°C ambient temperature and CWBB operates in -20°C to 60°C ambient temperature. When primary AC power failure occurs, both options operate 10 LEDs for minimum of 90 minutes.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

SHIPPING WEIGHT (in carton) - 30 lbs./13.6Kg

LISTING - ETL listed to ANSI/UL1598, UL8750 and other U.S. and international safety standards. Suitable for wet locations in downlight position. Optional Class 1 Division 2 (groups A, B, C & D) hazardous location rating is available (Select HL option). For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



Intertek
wet location
(downlight only)



IP65



Project Name _____ Fixture Type _____

Catalog # _____

07/28/16

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LSI INDUSTRIES INC.

LED PATRIOT® WALL SCNCE (XPWS3)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XPWS3 FT LED 48 450 CW UE WHT BB**

TYPE A1

TYPE A2

Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temperature	Input Voltage	Finish	Optional Controls	Optional Sensor/Options
XPWS3 - LED Patriot Wall Sconce	WT - Wide Throw FT - Forward Throw WW - Wall Wash	LED	28 48	350 - 350mA 450 - 450mA	CW - Cool White (5000K) NW - Neutral White (4000K)	UE - Universal Voltage (120-277) 347-480	BLK - Black BRZ - Bronze GPI - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	Wireless Control System ^{1,2} (blank) - None PCM - Platinum Control System PCMH - Host/Satellite Platinum Control System GCM - Gold Control System GCMH - Host/Satellite Gold Control System DIM - 0-10 volt dimming (required for satellite fixtures) Stand-Alone Control (blank) - None DIM - 0-10 volt dimming ³ (from external signal)	Sensor IMS - Integral Motion Sensor ⁴ PCI120 - 120V Button-Type Photocell ⁵ PCI208 - 208V Button-Type Photocell ⁵ PCI240 - 240V Button-Type Photocell ⁵ PCI277 - 277V Button-Type Photocell ⁵ PCI347 - 347V Button-Type Photocell ⁵ Options BB - Battery Back-up ⁶ CWBB - Cold Weather Battery Back-up ⁶ EMR2 - Two Emergency 12V Circuit Provisions with (2) 35 Watt Halogen Lamps ⁷ HL - Class 1, Division 2 Hazardous Location Rating, ETL Listed to UL844 ⁸ XPM - Pole Mounting Adaptor w/ Fixture Back Plate for Use with Square Poles ⁹ XPMAR4 - Pole Mounting Adaptor w/ Fixture Back Plate for Use with 4" O.D. Round Poles ⁹ XPMAR5 - Pole Mounting Adaptor w/ Fixture Back Plate for Use with 5" O.D. Round Poles ⁹

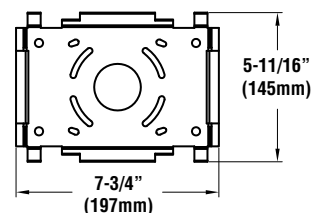
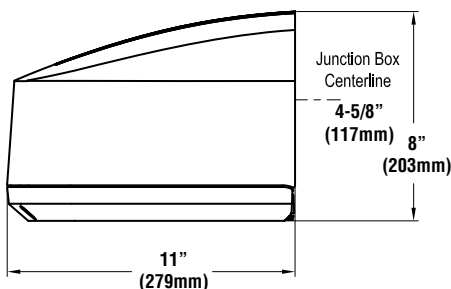
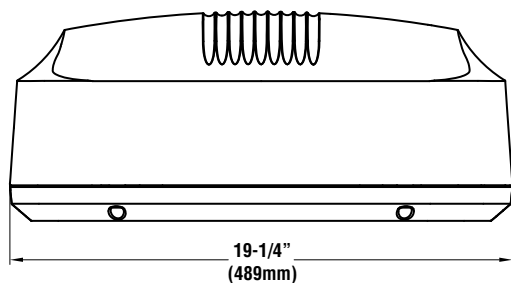
ACCESSORY ORDERING INFORMATION¹ (Accessories are field installed)

Description	Order Number	Description	Order Number
XPWS3 Polycarbonate Shield	244657	DFK208, 240 - Double Fusing	DFK208,240 ¹⁰
XPWS3 SW BLK - Surface Wiring Box (Available in black only)	356915BLK	DFK480 - Double Fusing	DFK480 ¹⁰
FK120 - Single Fusing	FK120 ¹⁰	FK347 - Single Fusing	FK347 ¹⁰
FK277 - Single Fusing	FK277 ¹⁰		

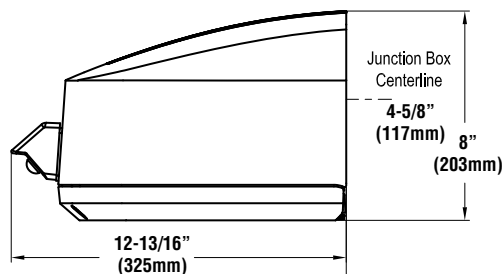
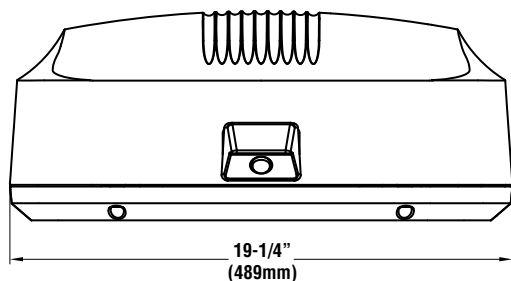
FOOTNOTES:

- For wireless controls information and accessories, see Controls section.
- Requires a SiteManager and override switch. Not compatible with battery back-up, IMS, EMR2 or HL Option.
- Not compatible with IMS option.
- Not compatible with wireless controls system or DIM.
- Not compatible with EMR2 or HL option.
- Available with UE voltage only. Not compatible with wireless controls system, EMR2 or HL option.
- Utilizes GZ4 sockets. 12 volt separate circuits required. Not available with wireless controls system, battery back-up, photocell, HL, XPM or XPMAR option.
- Not available with wireless controls system, battery back-up, photocell or EMR2 option.
- Not available with EMR2 option. Designed for 3" reduced drilling pattern. For S or D180 mounting configuration only.
- Fusing to be installed in a compatible junction box supplied by contractor.

DIMENSIONS



Universal Mounting Plate



Shown with IMS Option



Project Name _____ Fixture Type _____
Catalog # _____

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BUG LISTING

XPWS3 - Type FT

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
350	CW	3055	34	90	B1-U0-G1
		5094	55	93	B1-U0-G1
	NW	2919	34	86	B1-U0-G1
		4863	55	88	B1-U0-G1
450	CW	3730	44	85	B1-U0-G1
		6159	72	86	B2-U0-G1
	NW	3529	44	80	B1-U0-G1
		5775	72	80	B1-U0-G1

XPWS3 - Type WT

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
350	CW	2977	34	88	B1-U0-G1
		5095	55	93	B2-U0-G1
	NW	2873	34	86	B1-U0-G1
		4791	55	87	B1-U0-G1
450	CW	3636	44	83	B1-U0-G1
		6144	72	85	B2-U0-G1
	NW	3465	44	79	B1-U0-G1
		5678	72	79	B2-U0-G1

XPWS3 - Type WW

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
350	CW	3161	34	93	B2-U0-G0
		5209	55	95	B2-U0-G0
	NW	3074	34	90	B1-U0-G0
		4881	55	89	B2-U0-G0
450	CW	3844	44	87	B2-U0-G0
		6315	72	88	B2-U0-G0
	NW	3708	44	84	B2-U0-G0
		5751	71	81	B2-U0-G0

* Color Temperature: NW-4000K, CW-5000K



Project Name _____ Fixture Type _____
 Catalog # _____

07/28/16
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 LSI INDUSTRIES INC.

**TYPE B1/B2**Catalog #: _____ Project : _____
Prepared By : _____ Date : _____

Excursion (EXN)

LED Parking Garage/Canopy Luminaire



OVERVIEW

Lumen Package	3,000 - 11,000
Wattage Range	22 - 87
Efficacy Range (LPW)	122 - 144
Weight lbs(kg)	13.5 (6.1)

QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Precision die-cast aluminum housing and lens frame for durability and consistency.
- Architecturally pleasing with no visible electronics, hardware, or seams from ground level.
- Hinged 16ga galvanized mounting bracket provided for ease of installation and maintenance.
- Luminaire is proudly manufactured in the U.S. of U.S. and Foreign parts.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- 3G rated for ANSI C136.31 high vibration applications (Direct Mount only).
- Shipping weight: 13.5 lbs in carton.

Optical System

- Utilizes edge-lit technology providing best-in-class uniformity and excellent visual comfort with minimal glare.
- Optically clear acrylic light guide with tailored refractive distribution.
- Best in class high brightness LED's provide uniform light guide luminance with no dead spots.
- Choice of two high performance distributions: Type 5 Wide and Type 5 Narrow (a concentrated distribution for atrium and exit/egress applications).
- Uplight option adds 5% to the overall light output.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.

Electrical

- High-performance programmable driver features over-voltage, under voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10 volt dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz. Optional High Voltage 347/480Vac.
- L70 Calculated Life: > 100k Hours (See Lumen Maintenance Chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F)
- Power factor: >.90
- Input power stays constant over life.
- High-efficacy LEDs with integrated circuit board mount directly to the housing to maximize heat dissipation and promote long life.
- Driver components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Optional integral passive infrared Blue-tooth™ motion and photocell sensor (see page 5 for more details). Fixtures operate independently and can be commissioned via iOS or Android configuration app
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7. (see page 5 for more details)

Installation

- Standard mounting is a rigid 3/4" pendant mount or direct surface mount to a 4" (102mm) octagon box (box by others).
- Accessory Wall Mount Arm available for interior wall surfaces or covered damp locations.

Warranty

- LSI LED Fixtures carry a 5-year warranty.
- 1 Year warranty on optional Battery Back Up.

Listings

- Listed to UL 1598 and UL 8750
- Meets Buy American Act requirements.
- State of California Title 24 compliant.
- Suitable for covered damp location applications.
- 3G rated for ANSI C136.31 high vibration applications (Direct Mount only).
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.





Excursion LED Parking Garage/Canopy Luminaire

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: **EXN D EGLED 8L T5W UNV DIM 40 70CRI ALSCS MSV**

Family	Mounting	LED Technology	Lumen Package	Distribution	Voltage	Dimming	Color Temperature
EXN - Excursion Parking Garage /Canopy Luminaire	D - Direct Mount	EGLED - Edge-Lit LED	3L - 3000 lms	T5W - Type V Wide	UNV - Universal Electronic (120V-277V) HV - High Voltage (347V- 480V)	DIM - Dim to 10% (0-10V)	50 - 5000K
	P - Pendant Mount 5ft Cord		5L - 5000 lms	T5N - Type V Narrow			40 - 4000K
	PL - Pendant Mount, 7ft Cord¹		6L - 6000 lms	Uplight T5WU - Type V Wide Uplight (5% up)² T5NU - Type V Narrow Uplight (5% up)²			30 - 3000K
	TYPE B2		8L - 8000 lms				
			10L - 10000 lms				
			TYPE B1				
		Custom Lumen Packages⁶					

Color Rendering	Controls	EM	Finish	Options
70CRI - 70 Color Rendering Index	Blank - No Controls ALSC - Airlink Synapse Wireless Digital Controller ALSCS1 - Airlink Synapse Wireless Digital Controller with Sensor (mounting 8 to 12 feet) ALSCS2 - Airlink Synapse Wireless Digital Controller with Sensor (mounting 12 to 20 feet) ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height) ALBCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height) IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height ⁴ IMSBT2 - Integral Bluetooth™ Motion and Photocell Sensor max 25-40' mounting height ⁴ LLC - LimeLight Integral Wireless Radio Control by Lutron LLCS1 - Limelight Integral Wireless Radio Control and PIR Motion/Daylight Sensor by Lutron 8-15' mt height ³ LLCS2 - Limelight Integral Wireless Radio Control and PIR Motion/Daylight Sensor by Lutron 16-30' mt height ³ LLCS3 - Limelight Integral Wireless Radio Control and PIR Motion/Daylight Sensor by Lutron 31-40' mt height ³	Blank - No Battery BB - Battery Backup ⁵ CWBB - Cold Weather Battery Backup ⁵	BLK - Black WHT - White MSV - Metallic Silver BRZ - Bronze	Blank - No Option SP1 - 10kV Surge Protection

Footnotes:

1 - 7ft cord required when ordering stem ST 60 3.

2 - Bird Guard and Uplight can not be used together.

3 - Not available with HV.

4 - IMSBT is field configurable via the LSI app that can be downloaded from your

smartphone's native app store.

5 - Battery Backup and Cold Weather Battery Backup available in UNV only; not available with external dimming or 10L and 11L. BB rated 50°C to 10°C. CWBB rated 50°C to -20°C.

6 - Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.

ACCESSORY ORDERING INFORMATION (FIELD INSTALLED)

Description	Order Number	Image
Tamper Resistant Hardware Kit	685007	N/A
Bird Guard * Standard finishes available in white (WHT), black (BLK), metallic silver (MSV) and bronze (BRZ); other custom finishes available may require longer lead-times	695882CLR	
Wire Guard BLK only	695591	
House Side Shield BLK only	695593	
Wall Mount Arm Formed 16 gauge steel bracket designed to attach precisely to the Excursion housing and easily mount to a wall. Finished with LSI's DuraGrip polyester powder coat finishing process. Mount to 4 inch J-Box (by others) on interior wall surfaces or covered damp locations. Not designed for exterior locations exposed to direct contact with water. Weight 17.5 lbs. *Standard finishes available in white (WHT), black (BLK), metallic silver (MSV) and bronze (BRZ); other custom finishes available but may require longer lead-times *Wall mount arm is not compatible with Bird Guard or Uplight Distribution.	724323CLR	



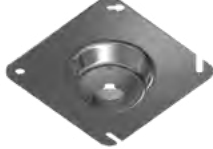


Excursion LED Parking Garage/Canopy Luminaire

ORDERING GUIDE (CONT.)

PENDANT ACCESSORIES (FIELD INSTALLED)

TYPICAL ORDER EXAMPLE: **BC600 3 BLK**

Description	Order Number	Image
3/4"(19mm) Top Decorative Box Cover Aligner	BC600 3	
3/4"(19mm) Top Round Box Cover Aligner	BC585	
3/4"(19mm) Top Square Box Cover Aligner	BC585SQ	

STEM ACCESSORIES (FIELD INSTALLED)

TYPICAL ORDER EXAMPLE: **ST6 3 BLK**

Description	Order Number	Image
3/4" x 6" (19mmx152mm) Aluminum Stem	ST 6 3	
3/4" x 12" (19mmx .4m) Aluminum Stem	ST 12 3	
3/4" x 18" (19mmx .5m) Aluminum Stem	ST 18 3	
3/4" x 24" (19mmx .6m) Aluminum Stem	ST 24 3	
3/4" x 36" (19mmx .9m) Aluminum Stem	ST 36 3	
3/4" x 48" (19mmx 1.2m) Aluminum Stem	ST 48 3	
3/4" x 60" (19mmx 1.5m) Aluminum Stem (Must order PL - Pendant Mount, 7ft Cord)	ST 60 3	
3/4" (19mm) Aluminum Stem Coupler	COP 3	

* Standard canopy finishes available in white (WHT), black (BLK) and bronze (BRZ); other custom finishes available may require longer lead-times.

PERFORMANCE

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DELIVERED LUMENS*								
		3000K		4000K		5000K		
Lumen Level	Optic	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Avg. Watts
3L	T5W	2940	131	3140	140	3140	140	22
	T5N	3000	134	3200	143	3200	143	
5L	T5W	4960	134	5240	142	5240	142	37
	T5N	5010	135	5340	144	5340	144	
6L	T5W	5880	132	6260	141	6260	141	44
	T5N	5990	135	6380	144	6380	144	
8L	T5W	7730	129	8230	137	8230	137	60
	T5N	7880	131	8390	140	8390	140	
10L	T5W	9450	124	10010	132	10010	132	76
	T5N	9580	126	10200	134	10200	134	
11L	T5W	10630	122	11130	128	11130	128	87
	T5N	10650	122	11340	130	11340	130	

*Lumen and watt values are nominal.

NOTE: Uplight adds 5% to the overall light output.

ELECTRICAL DATA*							
Lumen Level	Watts	120V	208V	240V	277V	347V	480V
3L	T5W/T5N	0.19	0.11	0.09	0.08	0.06	0.05
	T5WU/T5NU	0.20	0.11	0.10	0.09	0.07	0.05
5L	T5W/T5N	0.31	0.18	0.15	0.13	0.11	0.08
	T5WU/T5NU	0.33	0.19	0.16	0.14	0.11	0.08
6L	T5W/T5N	0.37	0.21	0.19	0.16	0.13	0.09
	T5WU/T5NU	0.39	0.23	0.20	0.17	0.14	0.10
8L	T5W/T5N	0.50	0.29	0.25	0.22	0.17	0.13
	T5WU/T5NU	0.53	0.31	0.27	0.23	0.18	0.13
10L	T5W/T5N	0.63	0.37	0.32	0.27	0.22	0.16
	T5WU/T5NU	0.67	0.39	0.34	0.29	0.23	0.17
11L	T5W/T5N	0.73	0.42	0.36	0.31	0.25	0.18
	T5WU/T5NU	0.77	0.44	0.38	0.33	0.27	0.19

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

RECOMMENDED LUMEN MAINTENANCE ¹					
Ambient Temperature	0 hrs. ¹	25K hrs. ¹	50K hrs. ¹	75K hrs. ¹	100K hrs. ¹
0 C	100%	93%	86%	80%	74%
10 C	100%	93%	86%	80%	74%
20 C	100%	93%	86%	80%	74%
25 C	100%	94%	88%	83%	78%
30 C	100%	94%	88%	82%	77%
40 C	100%	93%	87%	80%	75%

¹ - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED'S.





Excursion LED Parking Garage/Canopy Luminaire

PHOTOMETRICS

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Luminaire photometry has been conducted by an accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See <http://www.lsi-industries.com/products/led-lighting-solutions.aspx> for detailed photometric data.

EXN EGLED-10L-T5W-40

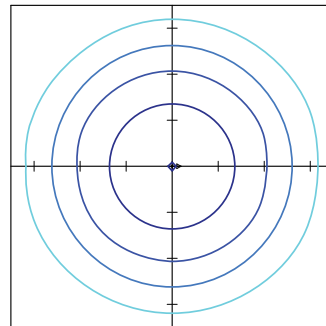
LUMINAIRE DATA

Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	10,005
Watts	76
Efficacy	132
IES Type	Type VS - Very Short
BUG Rating	B3-U0-G3

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	740.1	7.4%
Medium (30-60)°	4772.2	47.7%
High (60-80)°	4037.0	40.4%
Very High (80-90)°	455.6	4.6%
Uplight (90-180)°	0.0%	0.0%
Total Flux	10004.9	100%

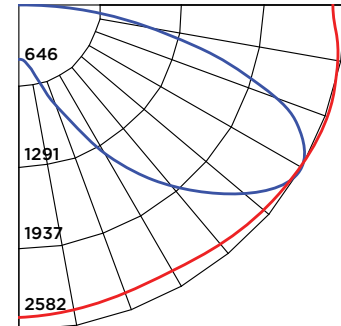
ISOFOOT CANDLE PLOT



10' Mounting Height / 10' Grid Spacing

5 FC 2 FC 1 FC .5 FC

POLAR CURVE



EXN EGLED-10L-T5N-40

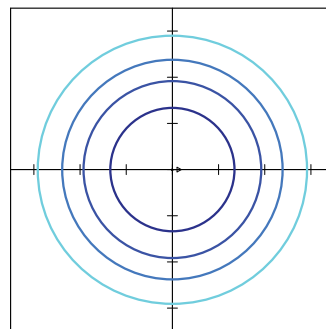
LUMINAIRE DATA

Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	10,200
Watts	76
Efficacy	134
IES Type	Type VS - Very Short
BUG Rating	B3-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	1467.4	14.4%
Medium (30-60)°	5308.8	52.0%
High (60-80)°	3089.0	30.3%
Very High (80-90)°	335.2	3.3%
Uplight (90-180)°	0.0%	0.0%
Total Flux	10200.4	100%

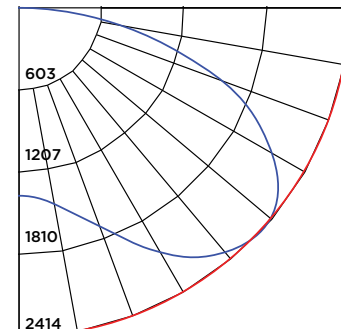
ISOFOOT CANDLE PLOT



10' Mounting Height / 10' Grid Spacing

5 FC 2 FC 1 FC .5 FC

POLAR CURVE



EXN EGLED-10L-T5W-40 (House Side Shield)

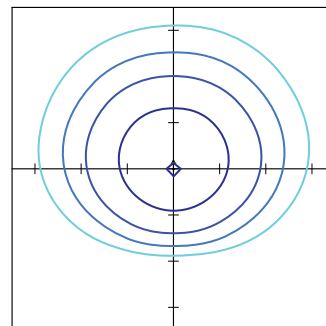
LUMINAIRE DATA

Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	6,971
Watts	76
Efficacy	92
IES Type	Type IV - Very Short
BUG Rating	B2-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	675.7	9.7%
Medium (30-60)°	3740.8	53.7%
High (60-80)°	2347.4	33.7%
Very High (80-90)°	207.2	3.0%
Uplight (90-180)°	0.0	0.0%
Total Flux	6971.1	100%

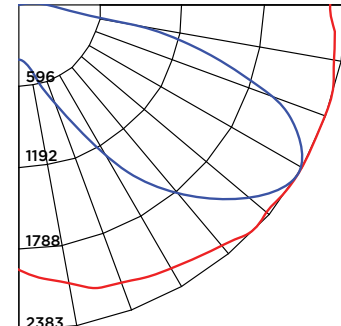
ISOFOOT CANDLE PLOT



10' Mounting Height / 10' Grid Spacing

5 FC 2 FC 1 FC .5 FC

POLAR CURVE





Excursion LED Parking Garage/Canopy Luminaire

PHOTOMETRICS (CONT)

EXN EGLED-10L-T5WU-40

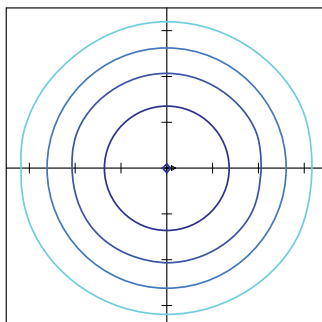
LUMINAIRE DATA

Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	10,342
Watts	80
Efficacy	129
IES Type	Type VS - Very Short
BUG Rating	B3-U3-G3

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	686.0	6.6%
Medium (30-60)°	4652.6	45.0%
High (60-80)°	4038.0	39.0%
Very High (80-90)°	469.4	4.5%
Uplight (90-180)°	496.0	4.8%
Total Flux	10342.0	100%

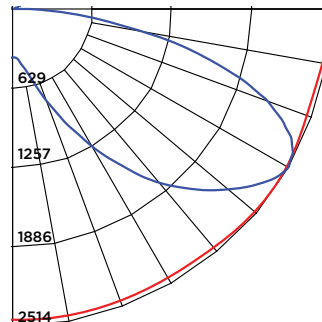
ISOFOOT CANDLE PLOT



10' Mounting Height / 10' Grid Spacing

5 FC 2 FC 1 FC .5 FC

POLAR CURVE



EXN EGLED-10L-T5NU-40

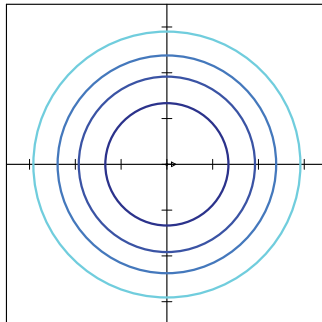
LUMINAIRE DATA

Wide Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	6,971
Watts	76
Efficacy	92
IES Type	Type IV - Very Short
BUG Rating	B2-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	675.7	9.7%
Medium (30-60)°	3740.8	53.7%
High (60-80)°	2347.4	33.7%
Very High (80-90)°	207.2	3.0%
Uplight (90-180)°	0.0	0.0%
Total Flux	6971.1	100%

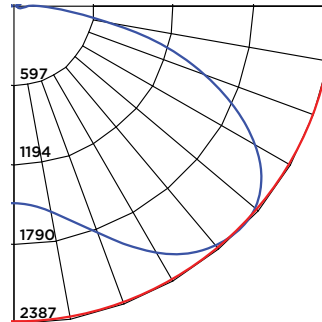
ISOFOOT CANDLE PLOT



10' Mounting Height / 10' Grid Spacing

5 FC 2 FC 1 FC .5 FC

POLAR CURVE

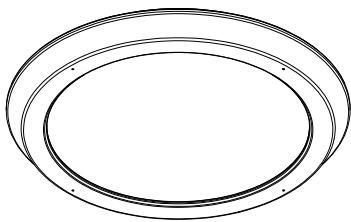
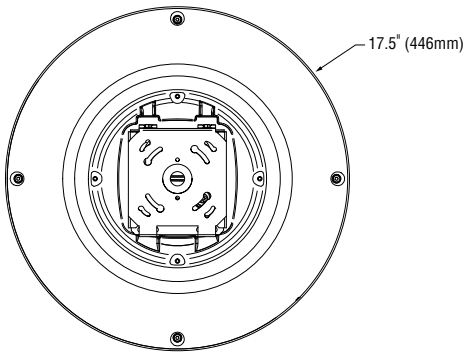
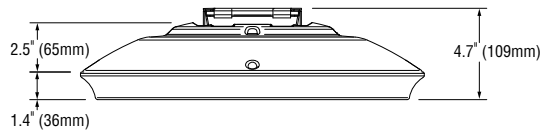




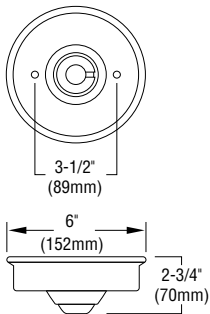
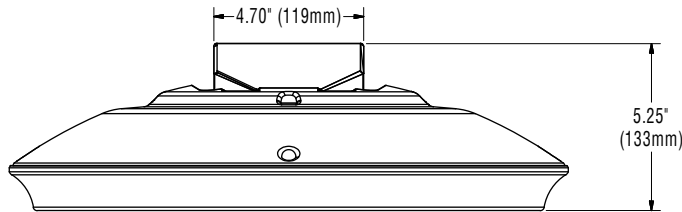
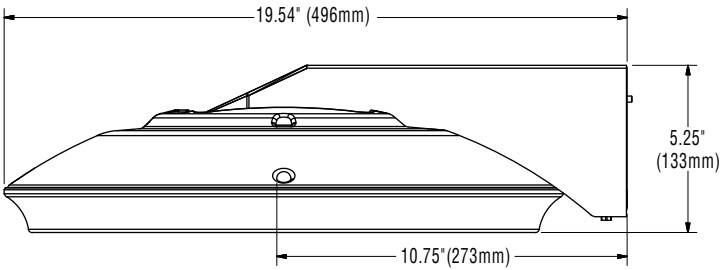
Excursion LED Parking Garage/Canopy Luminaire

PRODUCT DIMENSIONS

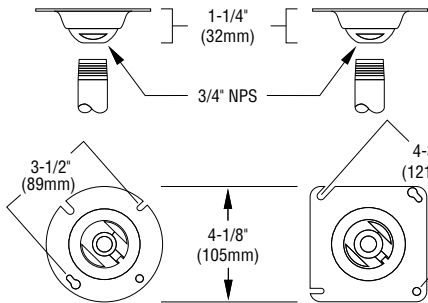
[Back to Quick Links](#)



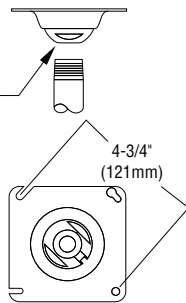
724323CLR Wall Mount Arm



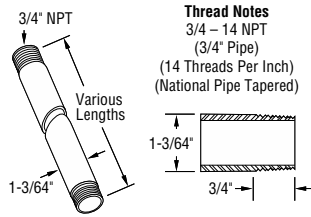
BC600 3 GWT Decorative Aligner



BC585 Round Aligner



BC585SQ Square Aligner



Aluminum Stem

Thread Notes
3/4 - 14 NPT
(3/4" Pipe)
(14 Threads Per Inch)
(National Pipe Tapered)





CONTROLS

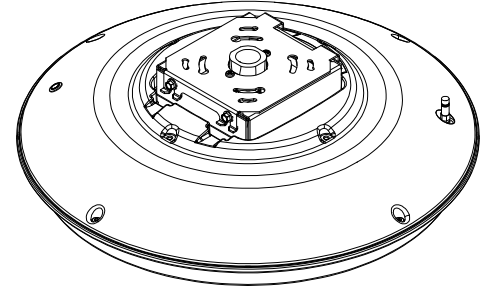
AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system.

The wireless integrated controller is compatible with this fixture.

Click the link below to learn more details about AirLink.

<https://www.lsi-industries.com/documents/datasheets/airlink-outdoor-specsheet.pdf>



Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click the link below to learn more details about IMSBT.

<https://www.lsi-industries.com/documents/datasheets/imsbt-specsheet.pdf>

AirLink™ Blue

Wireless Bluetooth Mesh Lighting Control System that provides energy savings, code compliance and enhanced safety/security. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into luminaires.

Click the link below to learn more details about AirLink Blue.

<https://www.lsi-airlink.com/airlink-blue/>



FEATURES

- Sealed IP68 LED light engine
- Bluetooth connectivity for remote control aiming and dimming
- Free Mobile App for Android and iOS
- Easy to install and pair devices
- Advanced thermal management provides long life in excess of 100,000+ hours
- Runs cool to the touch - less than 40°C



CONTROL TECHNOLOGY



SPECIFICATIONS

HOUSING

- Pour Box rough-in housing for installation below grade
- High temperature UV resistant thermal plastic, 3/16" minimum wall, black
- Includes a splice box with molded plastic splice cover and silicone gasket
- Three 1" NPT in bottom for through wiring on LTV81 and LTV82
- Two 1" NPT in bottom for through wiring on LTV83. 107 cu. in. splice area for LTV81
- 52 cu. in. splice area for LTV82. 24 cu. in. splice area for LTV83
- Rough-in housing supplied with a protective aluminum debris shield and includes an orientation label for proper installation alignment. This allows for clean and easy installation in concrete pad or soil. Pour Box can be shipped separately as a quick-ship if requested
- One-piece impregnated cast bronze component module is fully sealed and secured to the face trim from the underside
- A high temperature, anti-siphon, IP68 sealed cable extends from the component module to the splice box inside the housing
- The fully assembled component module is secured to the housing with (4) 1/4-20 tamper-resistant and high grade stainless steel fasteners
- Slip Resistant Lens (SR) and Rebar Cage Anchor (RCA81)
- When installed in concrete, fixture will withstand drive-over by vehicles weighing up to 4,500 lb.
- Optional Rebar Cage Anchor (RCA8x)
- Face trim has 1/16" 304 stainless steel plate with M33 brushed finish shall cover the cast bronze Lens Frame and provide a flat surface

OPTICS

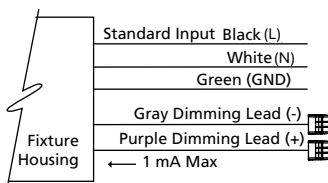
- Spot (SP), Narrow Flood (NF), and Wall Wash (WW) optical modules are adjustable up to 15° utilizing a Bluetooth enabled motor assembly
- Clear 5/16" thick tempered glass lens and silicone gasket is retained securely within the component module
- Optional Prismatic Lens (PL) available

ELECTRICAL

- All electronic components are UL and CSA recognized and are mounted directly to the component module for maximum heat dissipation and modularity. Driver is IP67 with -30°C minimum temperature rating
- Product comes standard with a UL Recognized 10kA surge protector

CONTROLS

- Standard fixtures dimming range is from 10% to 100% and be compatible with 0-10V, user-defined, control devices



BLUETOOTH

- Integral Bluetooth module used to adjust optics and dim fixture to desired setting when paired with KIM LTV8 Remote App via cellular/tablet device
- Fully qualified Bluetooth 1.1, 1.2, 2.0, 2.1. Bluetooth v2.0+EDR compatible with Android devices running Android Gingerbread API level 9 forward. Bluetooth 4.0 LE compatible with iOS devices - iPhone 4S and later, 5th generation iPod touch, the iPad Mini and the 3rd generation and later of the full size iPad with iOS 5 or later

LIGHTVAULT 8



Lightvault8 Flat Frame, Stainless Steel, Rock Guard, Half Shield, Eyeball

RELATED PRODUCTS

⌘ [LTV8FF RGBW](#)

⌘ [LTV8FF](#)

⌘ [LTV8SS RGBW](#)

BLUETOOTH (CONTINUED)

- Bluetooth Apps are available for Apple iOS and Google Android mobile devices and are downloadable via the internet at Apple App Store or Google Play

CAUTION:

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

CERTIFICATIONS AND LISTINGS

- Listed to UL1598 and UL8750 25°C ambient operation
- SASO Certified for LTV82/83
- IP68 rated
- IEC 66262 Mechanical Impact Code IK09
- CISPR 15 Compliant, per product standard EN 55015:2013

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA

KEY DATA	
Lumen Range	622–2616
Wattage Range	14–44
Reported Life (Hours)	L70/60,000

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LTV82-SS-NF-18L-4K-UV-SR-RCA82

CATALOG #

HOUSING

LTV82							
Model	Style	Distribution	Source	Color Temperature	Voltages	Lens Options ²	Rebar Cage Anchor
LTV82 10-3/8" Dia.	FF Flat Frame	SP Spot	18L 18 LEDs	3K 3000K	UV 120-277V	PL Prismatic Lens	RCA82 for LTV82
	SS Stainless Steel	NF Narrow Flood	12L 12 LEDs (EB only)	4K 4000K		SR Slip-Resistant Lens	
	HS Half Shield	WW Wall Wash		5K 5000K			
	RG Rock Guard						
	EB Eyeball ¹						

1 Eyeball fixture comes only with 12 LED.
2 All lens options are integral parts of component module and must be installed at factory.

DELIVERED LUMENS

LTV82FF

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V	Field Angle (10%) H x V	NEMA Type
SP	18L	3K	1809	23634	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13 x 13	26.5 x 26.5	2H x 2V
		4K	1857	23065						
		5K	1875	25186						
NF		3K	1558	1889				44.1 x 53	77.5 x 82	5H x 5V
		4K	1597	1911						
		5K	1617	1934						
WW		3K	1637	3528		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	58.9 x 21.3	93.3 x 53.9	5H x 4V
		4K	1679	3616						
		5K	1698	3659						

LTV82SS

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	18L	3K	1809	23634	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13°
		4K	1857	23065				
		5K	1875	25186				
NF		3K	1558	1889				44.1°
		4K	1597	1911				
		5K	1617	1934				
WW		3K	1637	3528		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	58.9°
		4K	1679	3616				
		5K	1698	3659				

LTV82RG

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V		
SP	18L	3K	1045	12788	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13.4°		
		4K	1071	12609						
		5K	1083	12749						
NF		3K	949	1241				19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	42.2°
		4K	972	1251						
		5K	983	1265						
WW		3K	965	2268		36.5°				
		4K	989	2327						
		5K	1000	2353						

LTV82HS

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	18L	3K	1769	23685	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13°
		4K	1817	23161				
		5K	1837	23426				
NF		3K	1409	1890				47.8°
		4K	1445	1914				
		5K	1462	1936				
WW		3K	1637	3528		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	53.2°
		4K	1679	3616				
		5K	1698	3659				

KEY: FF = Flat Frame, SS = Flat Frame, RG = Rock Guard, HS = Half Shield, EB = Eyeball, SP = Spot, NF = Narrow Flood, WW = Wall Wash (PicoPrism™), 36L = 36 LEDs, 18L = 18 LEDs, 16L = 16 LEDs, 12L = 12 LEDs, 3K = 2800K to 3175K, 4K = 3800K to 4600K, 5K = 4600K to 5600K, UV = Universal Voltage shall range from 120V-277V with a ±10% tolerance.
* The SP and NF are based on Candela exiting unit straight up. The WW is for highest candela angle.

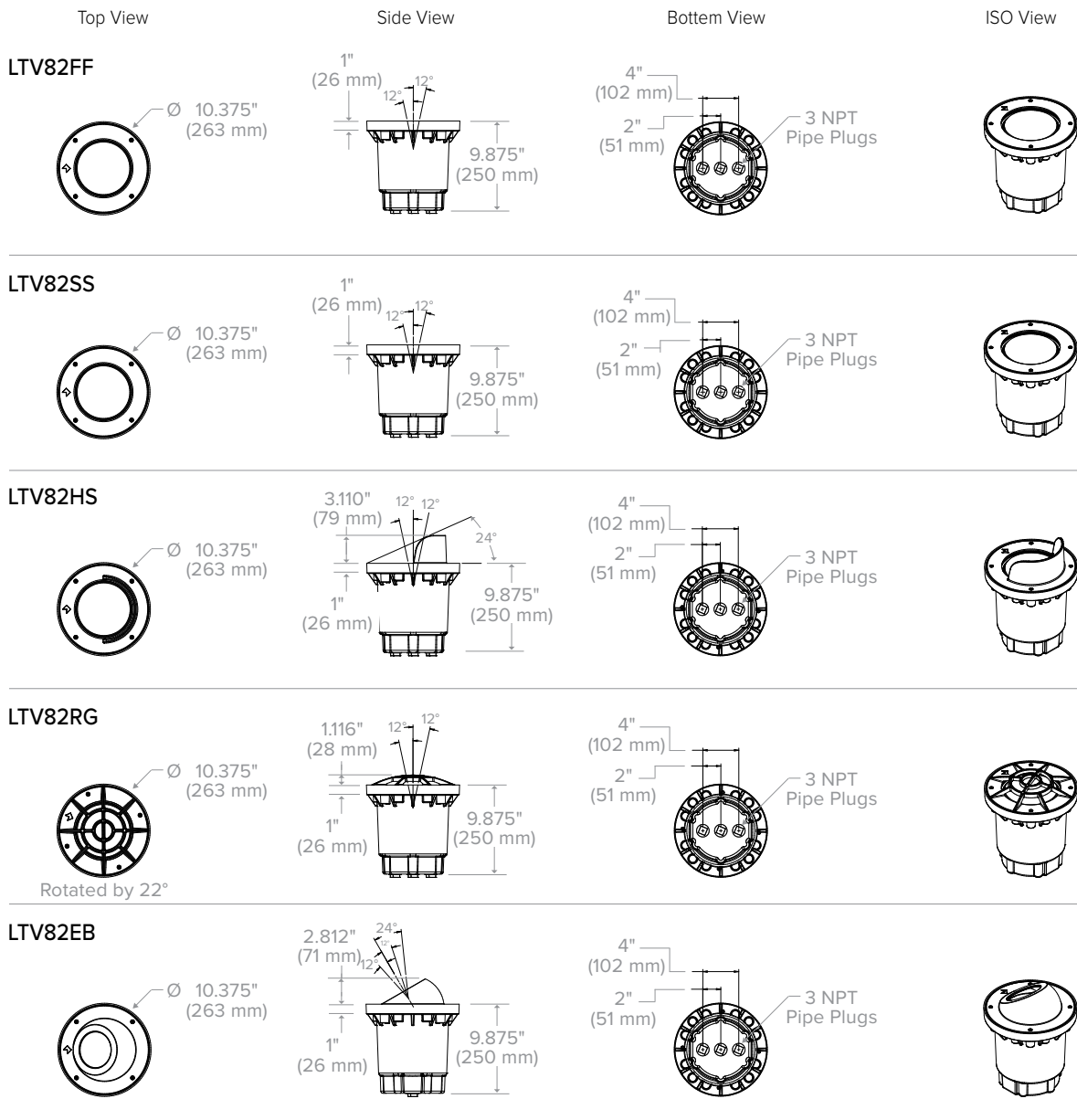
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LTV82EB

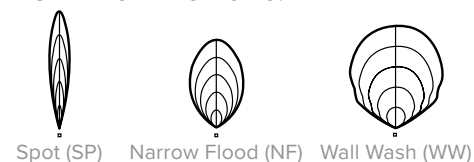
Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	18L	3K	1245	23685	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13°
		4K	1276	23161				
		5K	1292	23426				
NF		3K	968	1890				47.8°
		4K	993	1914				
		5K	1004	1936				
WW		3K	1198	3528		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	53.2°
		4K	1229	3616				
		5K	1242	3659				

KEY: FF = Flat Frame, SS = Flat Frame, RG = Rock Guard, HS = Half Shield, EB = Eyeball, SP = Spot, NF = Narrow Flood, WW = Wall Wash (PicoPrism™), 36L = 36 LEDs, 18L = 18 LEDs, 16L = 16 LEDs, 12L = 12 LEDs, 3K = 2800K to 3175K, 4K = 3800K to 4600K, 5K = 4600K to 5600K, UV = Universal Voltage shall range from 120V-277V with a ±10% tolerance.
 * The SP and NF are based on Candela exiting unit straight up. The WW is for highest candela angle.

DIMENSIONS



LIGHT DISTRIBUTIONS:



ELECTRICAL DATA

Spectroradiometric

	3K	4K	5K
Correlated Color Temp. CCT (K)	2800K to 3175K	3800K to 4600K	4600K to 5600K
Color Rendering Index (CRI)	≥72	≥72	≥72
Power Factor	>.90	>.90	>.90

L70 Data

	Calculated	Reported*
350 mA	100,000	60,000

*Based on test duration.

DRD2 & OneFrame

Fixed Downlighting System

New Construction
Deep Junction Box



Project:

Type:

TYPE D

Product Code:

Date:

V051822

Modular Design Flexibility during and after installation with interchangeable modules, optics and trims

Quick Install Integrated driver and plug-and-play connection require no wiring

High Performance Precise lighting control without sacrificing stellar efficiency

Enhanced Dimming Smooth, flicker-free dimming down to 1%

OPTICAL

Delivered Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W),
1250 lm (14.3W)

Color Quality

93+ CRI, 2-step SDCM

Color Temperature

2700K 3000K 3500K
4000K Warm Dim (3000–1800K)

Beam Spread

Narrow Spot (15°) General (90°+)
Spot (25°) Linear (40° x 20°)
Flood (40°) Soft Focus
Wide Flood (60°)

PHYSICAL

Application

New Construction, Poured Concrete

Aperture

4" Octagonal Deep Junction Box

Ceiling Thickness

½" up to 1¾"

TRIMS

Available Trims

Round Beveled, Square, Hyperbolic, Pinhole,
Beveled Pinhole, Wall Wash, Decorative,
Flangeless, Dead Front

Trim Finish

White, Black, Silver, Custom

ELECTRICAL & CONTROLS

Input Voltage

120/277V

1% Dimming

TRIAC/ELV, 0-10V, Lutron EcoSystem

RATINGS

Housing

- Code compliant for use in fire-rated assemblies up to a maximum of 2-hours
- STC/IIC Sound Rated
- ASTM E283 Certified Air Tight
- IC (Insulation Contact) Rated

Module

- UL Listed for Wet Location



PRODUCT BUILDER

ONEFRAME HOUSING

PRODUCT CODE	APPLICATION	APERTURE	DIMMING	OPTION
DRDH	Housing	N New Construction	JD Deep Junction Box	[Blank] Integrated
		JC Deep Junction Box, Concrete Tight ¹	70 0-10V ² , 750 lm	EM Emergency Battery ⁴ , Integrated Test Switch
			100 0-10V ² , 1000 lm	EMS Emergency Battery ⁴ , Remote Test Switch
			100W 0-10V ² , 1000 lm, Warm Dim	
			120 0-10V ² , 1250 lm	
			7C Lutron EcoSystem ³ , 750 lm	
			10C Lutron EcoSystem ³ , 1000 lm	
			10CW Lutron EcoSystem ³ , 1000 lm, Warm Dim	
			12C Lutron EcoSystem ³ , 1250 lm	

DRD2 MODULE

PRODUCT CODE	LUMENS	CRI	CCT	BEAM SPREAD	DIMMING
DRD2M	Module	07 750 lm	9 93+ CRI	27 2700K	GA General Ambient (90°+)
		10 1000 lm		30 3000K	NS Narrow Spot (15°) ⁶
		12 1250 lm		35 3500K	SP Spot (25°)
				40 4000K	FL Flood (40°)
				3W Warm Dim ⁵	WF Wide Flood (60°)
					LS Linear Spread (40° x 20°)
					SF Soft Focus
					T Integrated TRIAC/ELV
					O Integrated 0-10V
					A Alternate for use with EM or Lutron EcoSystem

ONEFRAME TRIM

PRODUCT CODE	SHAPE	APERTURE	STYLE	FINISH	OPTION
DRD2T	Trim	R Round	JD Deep Junction Box	S Beveled	WH White
		S Square ⁷		H Hyperbolic ⁸	BK Black
				P Pinhole ⁸	SW Silver Reflector, White Flange
				B Beveled Pinhole ⁸	CC Custom Color
				W Wall Wash ⁸	
					DOF Decorative: Open, Frosted ^{8,9,10}
					DCF Decorative: Closed, Frosted ^{8,9,10}
					DCC Decorative: Closed, Clear, Frosted Side ^{8,9,10}
					DCCF Decorative: Closed, Clear, Frosted Inside ^{8,9,10}
					FL Flangeless ^{8,9,11}
					DF Dead Front ^{8,9,10,12}
					EM Emergency ^{8,9,10}

DRDHX-MUD-FL Flangeless Mud Plate (Required for Flangeless Trim)

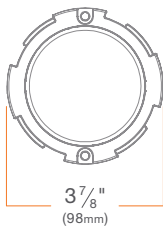
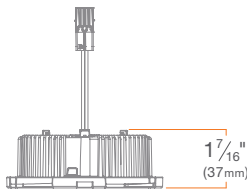
PRODUCT BUILDER

OPTICS ACCESSORIES

PRODUCT CODE	
DRD2X-GA	Conversion Kit: DRD2 Module to General Ambient (90°+)
DRD2X-NS	Narrow Spot (15°)
DRD2X-SP	Spot (25°)
DRD2X-FL	Flood (40°)
DRD2X-WF	Wide Flood (60°)
DRD2X-LS	Linear Spread (40° x 20°)
DRD2X-SF	Soft Focus
DRD2X-OP	Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus

¹ Only available in Integrated dimming² Only available in Emergency Battery option³ Lutron EcoSystem refers to LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black™⁴ Only available in 0-10V or Lutron EcoSystem dimming⁵ Only available in 1000 lm⁶ Not available in Warm Dim CCT⁷ Only available in Beveled or Wall Wash style⁸ Only available in White or Custom Color finish⁹ Only available in Round shape¹⁰ Only available in Beveled style¹¹ Requires DRDHX-MUD-FL Mud Plate¹¹ Only available in 750 lm

MODULE



DRD2

Fixed Downlight

DRD2M

SUMMARY

LED CHIP: Cree**DELIVERED LUMENS (w Trim):** 750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W)**EFFICACY:** 79 lm/W, 80 lm/W, 87 lm/W**COLOR QUALITY:** 93+ CRI, 2-step SDCM**CCT:** 2700K, 3000K, 3500K, 4000K**BEAM SPREAD:** General Ambient (90°+), Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus**CONNECTOR:** PowerPlug® Luminaire Disconnect Model 182**INPUT VOLTAGE:** 120/277V, 50/60Hz**DIMMING:** Down to less than 1% for TRIAC/ELV at 120V, 0-10V or Lutron EcoSystem at 120/277V**MAX INPUT CURRENT (120V):** 0.090 amps, 0.107 amps**MAX INPUT CURRENT (277V):** 0.042 amps, 0.050 amps**POWER FACTOR:** Greater than 0.9**TOTAL HARMONIC DISTORTION:** Less than 20%**AMBIENT OPERATING TEMPERATURE:** -20°C to 40°C**PHOTOMETRIC TESTING:** Tested in accordance to IESNA LM-79-2008**LISTINGS:** ENERGY STAR® qualified*, California Title 24 2016 JA8 compliant, UL Listed for Wet Location (flanged trims only), cULus Listed, Declare**LIFETIME:** 50,000 hours at 70% lumen maintenance**WARRANTY:** 5 year limited warranty

WARM DIM OPTION

LED: Bridgelux LED, **DELIVERED LUMENS (w Trim):** 1000 lm (12.0W),**EFFICACY:** 83 lm/W, **CCT RANGE:** 3000K - 1800K, **MAX INPUT****CURRENT (120V):** 0.11 amps, **MAX INPUT CURRENT (277V):** 0.047 amps**Excludes Pinhole and Wall Wash Trims*

HOUSING



OneFrame

New Construction
Deep Junction Box
DRDHNJD

SUMMARY

JUNCTION BOX: Equipped with (8) trade size knockouts (four concentric side ($\frac{3}{4}" + \frac{1}{2}"$), two concentric top ($\frac{3}{4}" + \frac{1}{2}"$), two $\frac{1}{2}"$ top) and (4) Romex knockouts (top) to allow straight conduit runs. Approved for 8 (four in, four out) #12 AWG 70°C.

MOUNTING: Pre-installed mounting brackets allow vertical adjustment of bar hangers up to 1".

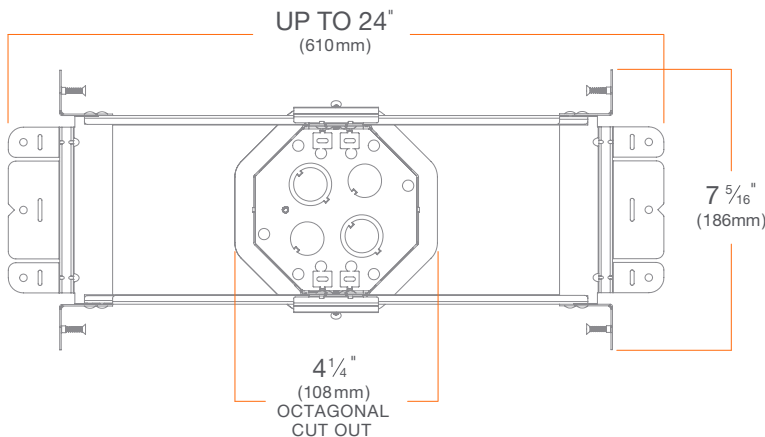
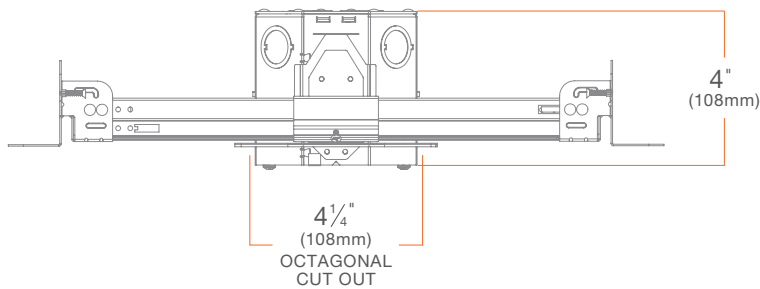
CEILING: $\frac{1}{2}"$ up to $1 \frac{3}{4}"$

CUTOUT: $4 \frac{1}{4}"$ (108mm) octagonal opening

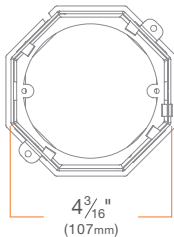
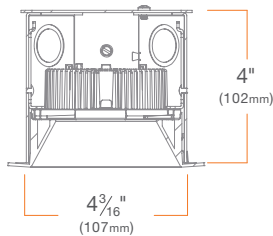
LISTINGS: Metallic outlet box certified UL514A, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight, IC (Insulation Contact) rated.

MAINTENANCE: Fully accessible from below the ceiling for inspection and maintenance.

WARRANTY: 5 year limited warranty



HOUSING - Concrete Tight



OneFrame

Concrete Tight
Deep Junction Box
DRDHNJC

- Designed for high rise structures that require steel and concrete for reinforcement
- Features spot-welded areas and adaptations for poured concrete applications

SUMMARY

JUNCTION BOX: Equipped with (4) trade size concentric knockouts ($\frac{3}{4}" + \frac{1}{2}"$) to allow straight conduit runs. Approved for 8 (four in, four out) #12 AWG 90°C.

MOUNTING: (2) external tabs for wood, steel or concrete form mounting

COVER: Removable top cover for easy access to electrical wiring work prior to concrete pour

APPLICATION: Poured deck (floor) high-rise new construction

LISTINGS: Metallic outlet box certified UL514A, concrete tight, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight

WARRANTY: 5 year limited warranty

HOUSING - Emergency Lighting or Lutron EcoSystem Dimming



OneFrame

Lutron EcoSystem Dimming

Deep Junction Box

DRDHNJD

- Offers compatible dimming with Lutron EcoSystem Hi-Lume® 1% protocol

SUMMARY

JUNCTION BOX: Equipped with (2) trade size concentric top knockouts ($\frac{3}{4}$ " + $\frac{1}{2}$ ") to allow straight conduit runs. Approved for 2 (one in, one out) #12 AWG 70°C.

MOUNTING: Pre-installed mounting brackets allow vertical adjustment of bar hangers up to 1".

CEILING: $\frac{1}{2}$ " up to $1\frac{3}{4}$ "

CUTOUT: $4\frac{1}{4}$ " (108mm) octagonal opening

LISTINGS: Metallic outlet box certified UL514A, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight, IC (Insulation Contact) rated

INPUT VOLTAGE: 120/277V, 50/60Hz

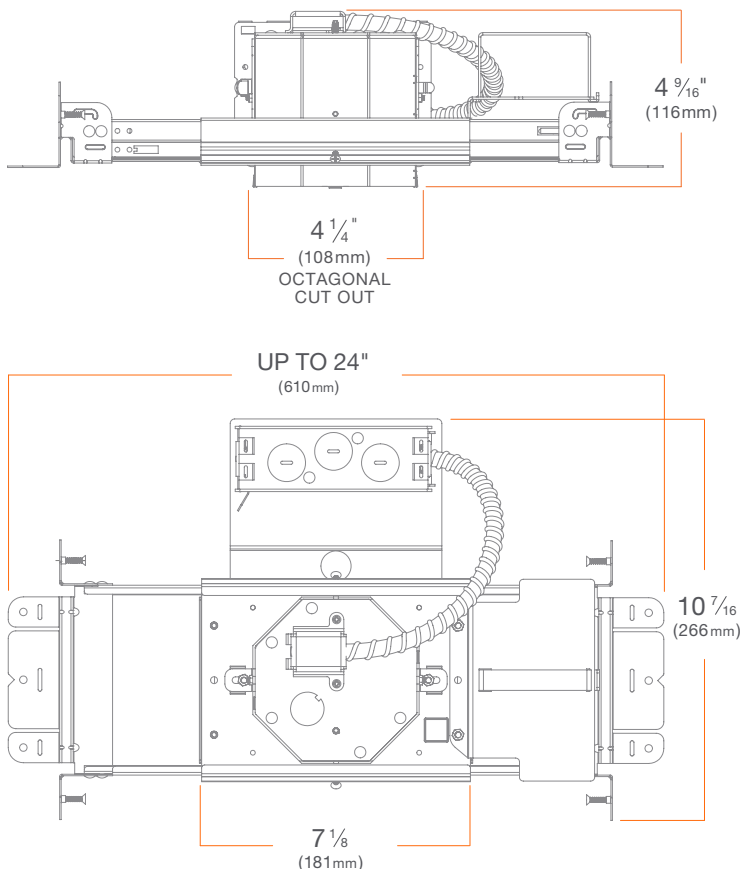
MAX INPUT CURRENT (120V): 0.090 amps (750 lm), 0.107 amps (1000 lm), 0.11 amps (1000 lm Warm Dim)

MAX INPUT CURRENT (277V): 0.042 amps (750 lm), 0.050 amps (1000 lm), 0.047 amps (1000 lm Warm Dim)

POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

WARRANTY: 5 year limited warranty



TRIM



OneFrame Trims

Recessed LED Downlight Trims

DRD2T

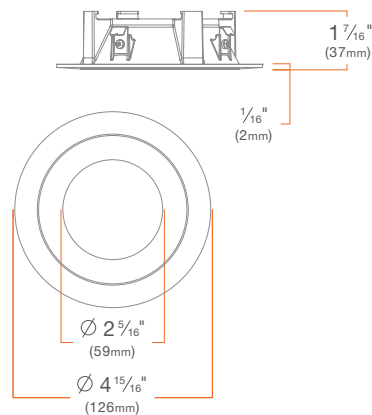
SUMMARY

CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock (flanged trims only)

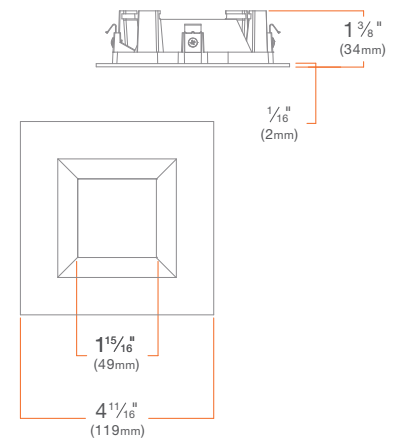
Beveled Trim

DRD2TRJDSWH



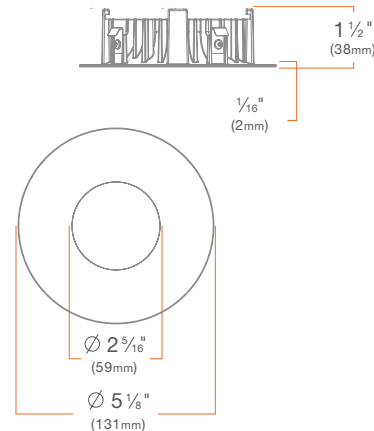
Square Trim

DRD2TSJDSWH



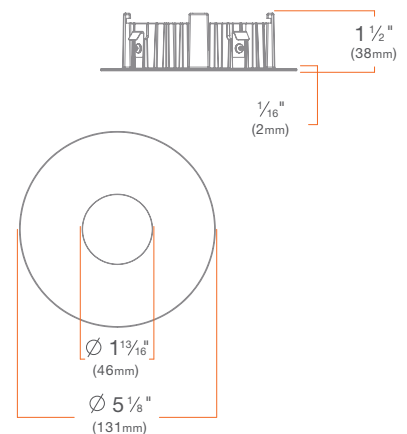
Hyperbolic Trim

DRD2TRJDHWH



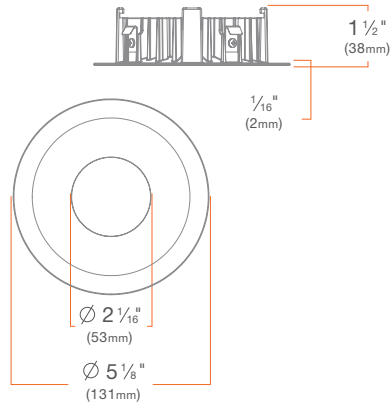
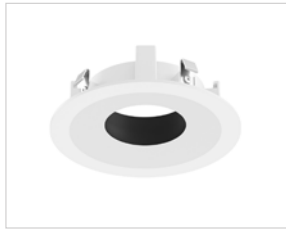
Pinhole Trim

DRD2TRJDPWH



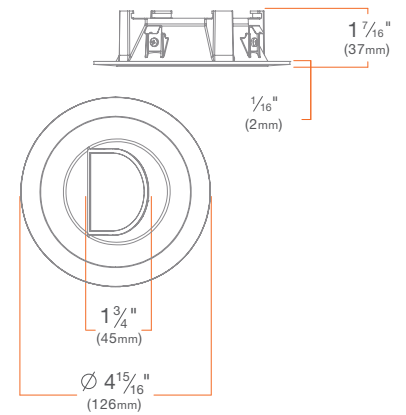
Beveled Pinhole Trim

DRD2TRJDBWH



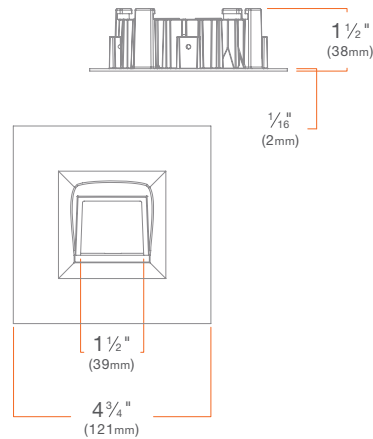
Round Wall Wash Trim

Round: DRD2TRJDWWH



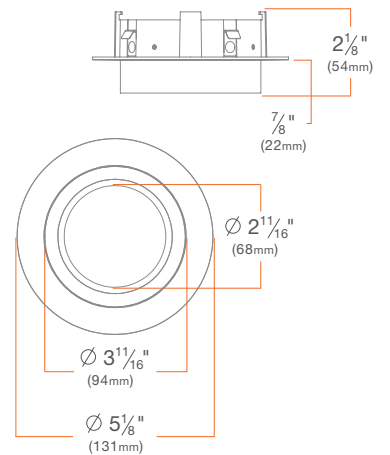
Square Wall Wash Trim

Square: DRD2TSJDWWH



Decorative Open Trim

Frosted: DRD2TRJDSWHD OF

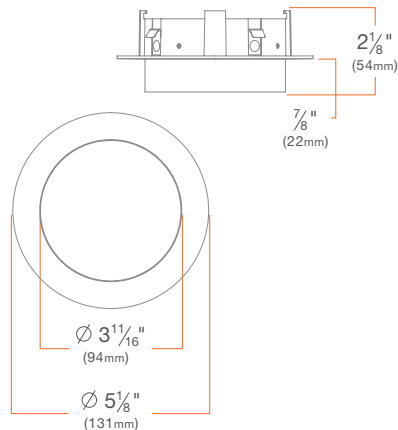


Decorative Closed Trim

Frosted: DRD2TRJDSWHD CF

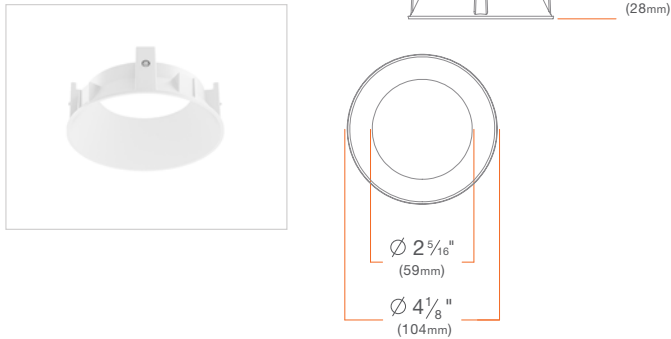
Clear, Frosted Inside: DRD2TRJDSWHD CC

Clear, Frosted Sides: DRD2TRJDSWHD CCF



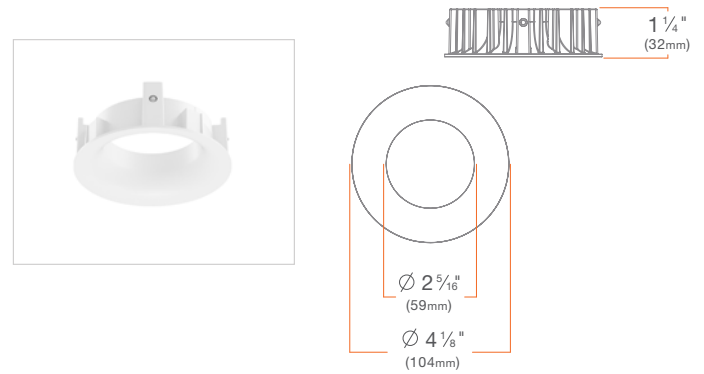
Round Flangeless Trim Insert

DRD2TRJDSWHFL



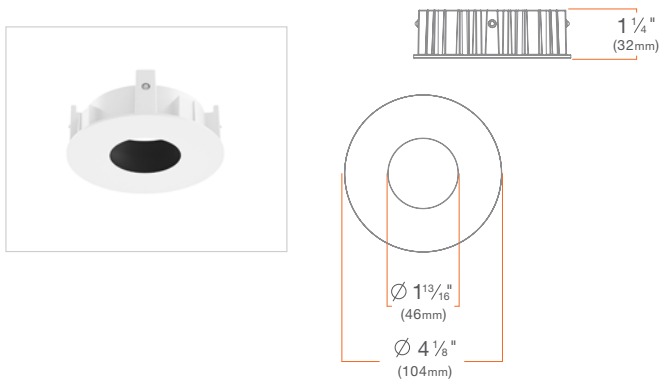
Hyperbolic Flangeless Trim Insert

DRD2TRJDHWHFL



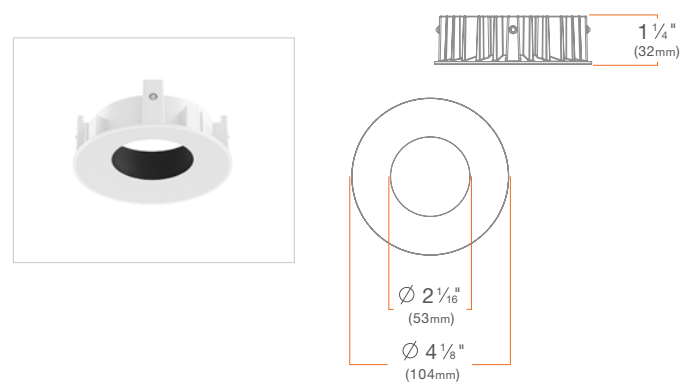
Pinhole Flangeless Trim Insert

DRD2TRJDPWHFL



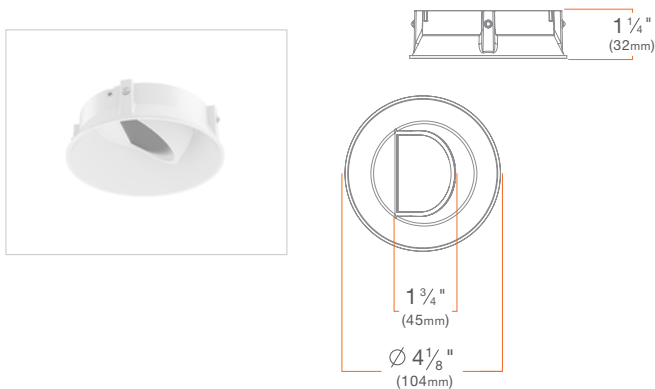
Beveled Pinhole Flangeless Trim Insert

DRD2TRJDBWHFL



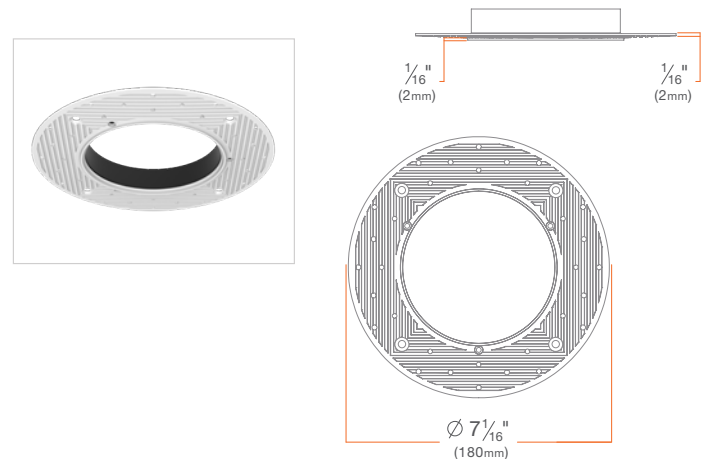
Round Wall Wash Flangeless Trim Insert

DRD2TRJDWWHFL



Flangeless Mud Plate

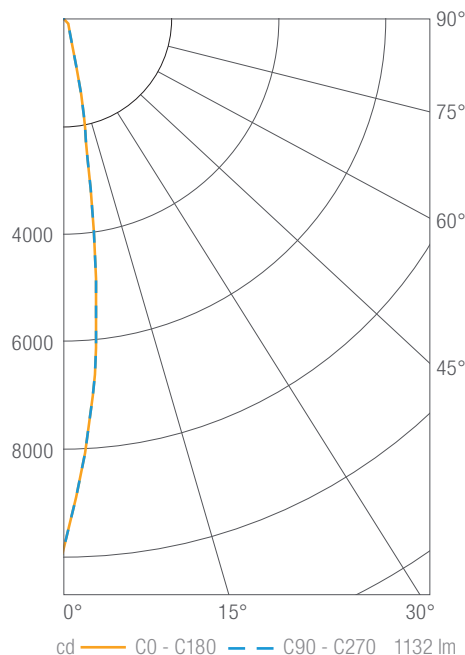
DRDHX-MUD-FL



PHOTOMETRY

DRD2 1000 lm, 3000K, Narrow Spot

DRD2M10930NS



Luminous Intensity

Gamma	C 0°
0°	9823
5°	6600
10°	2335
15°	734
20°	357
25°	244
30°	195
35°	159
40°	116
45°	85
50°	61
55°	42
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	906	80
0-40	1004	89
0-60	1110	98
0-90	1131	100
0-180	1132	100

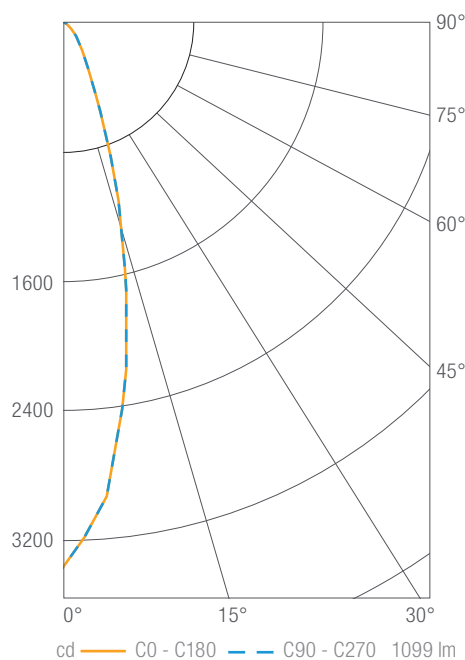
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	1091	0.7'
6'	273	1.5'
9'	121	2.2'
12'	68	2.9'

Beam Angle: 14°

DRD2 1000 lm, 3000K, Spot

DRD2M10930SP



Luminous Intensity

Gamma	C 0°
0°	3366
5°	2967
10°	2203
15°	1391
20°	775
25°	419
30°	248
35°	167
40°	119
45°	87
50°	62
55°	43
60°	26
65°	15
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

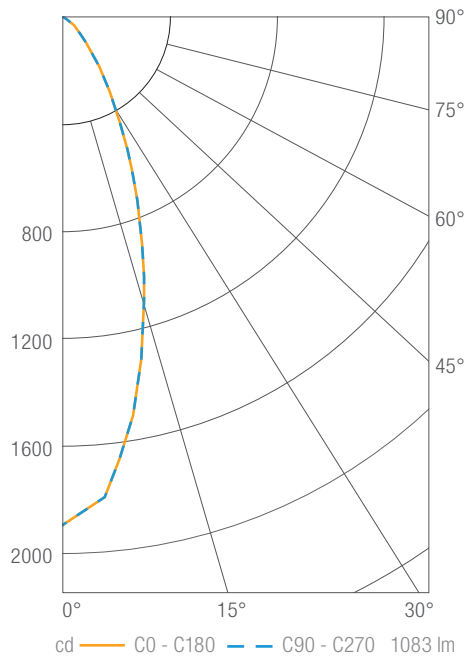
Zone	Lumens	Luminaire %
0-30	862	78
0-40	971	88
0-60	1078	98
0-90	1098	100
0-180	1099	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

PHOTOMETRY

DRD2 1000 lm, 3000K, Flood**DRD2M10930FL**

Luminous Intensity

Gamma	C 0°
0°	1890
5°	1792
10°	1503
15°	1161
20°	849
25°	589
30°	391
35°	256
40°	162
45°	107
50°	74
55°	51
60°	30
65°	18
70°	8
75°	5
80°	3
85°	1
90°	0

Values in candela

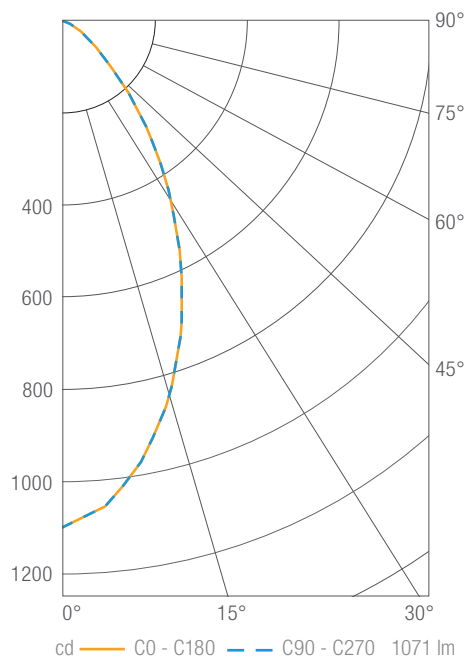
Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	760	70
0-40	925	85
0-60	1058	98
0-90	1081	100
0-180	1083	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	210	2.0'
6'	52	4.0'
9'	23	6.0'
12'	13	8.0'

Beam Angle: 37°

DRD2 1000 lm, 3000K, Wide Flood**DRD2M10930WF**

Luminous Intensity

Gamma	C 0°
0°	1100
5°	1058
10°	973
15°	866
20°	743
25°	609
30°	478
35°	361
40°	252
45°	161
50°	102
55°	68
60°	41
65°	24
70°	11
75°	6
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	620	58
0-40	845	79
0-60	1037	97
0-90	1069	100
0-180	1071	100

Illuminance Chart

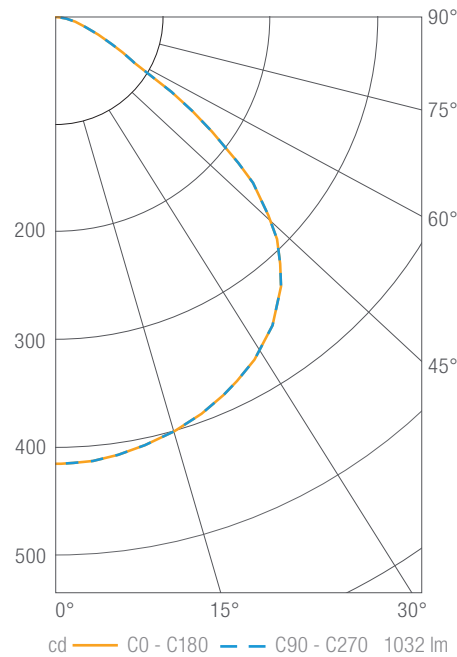
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

PHOTOMETRY

DRD2 1000 lm, 3000K, General Ambient

DRD2M10930GA



Luminous Intensity

Gamma	C 0°
0°	416
5°	415
10°	410
15°	403
20°	394
25°	382
30°	369
35°	351
40°	327
45°	291
50°	240
55°	162
60°	84
65°	54
70°	33
75°	21
80°	12
85°	6
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	333	32
0-40	557	54
0-60	942	91
0-90	1024	99
0-180	1032	100

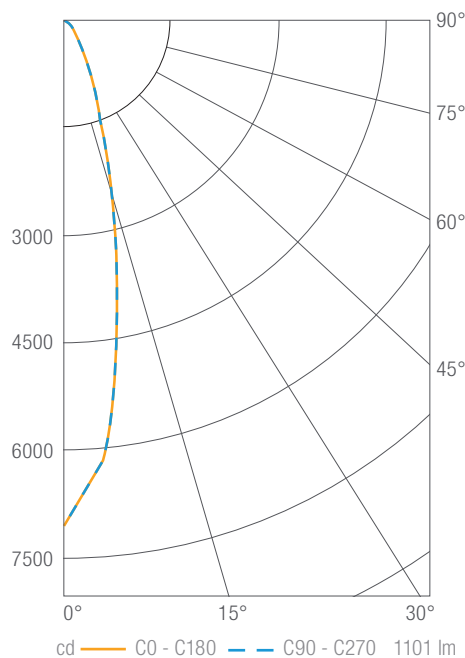
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

DRD2 1000 lm, 3000K, Soft Focus

DRD2M10930SF



Luminous Intensity

Gamma	C 0°
0°	7280
5°	5603
10°	2489
15°	875
20°	381
25°	247
30°	194
35°	161
40°	122
45°	90
50°	64
55°	45
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	868	79
0-40	968	88
0-60	1078	98
0-90	1100	100
0-180	1101	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	809	0.9'
6'	202	1.7'
9'	90	2.6'
12'	51	3.4'

Beam Angle: 16°



D-Series LED Bollard



d^{series}

Specifications

Diameter: 8" Round
(20.3 cm)

Height: 42"
(106.7 cm)

Weight (max): 27 lbs
(12.25 kg)



Catalog
Number

Notes

Type

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

Introduction

The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

DSXB LED								
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish (required)
DSXB LED	Asymmetric	350 350 mA	30K 3000 K	ASY Asymmetric ¹ SYM Symmetric ²	MVOLT⁵ 120 ⁵ 208 ⁵ 240 ⁵ 277 ⁵ 347 ⁴	Shipped installed PE Photoelectric cell, button type DMG 00-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ELCW Emergency battery backup ⁶	Shipped installed SF Single fuse (120, 277, 347V) ^{4,7} DF Double fuse (208, 240V) ^{4,7} H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts ⁸	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white
	Symmetric 16C 16 LEDs ³	450 450 mA ^{3,4} 530 530 mA 700 700 mA	40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength ^{3,4}					

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for DSXB⁸

NOTES

- Only available in the 12C, ASY version.
- Only available in the 16C, SYM version.
- Only available with 450 AMBLW version.
- Not available with ELCW.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
- Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
- MRAB U not available with L/AB4 option.

Performance Data

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. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
Asymmetric (12 LEDs)	350	16	1,194	75	1	0	1	1,283	80	1	0	1	1,291	81	1	0	1					
	530	22	1,719	78	1	0	1	1,847	84	1	0	1	1,859	85	1	0	1					
	700	31	2,173	70	1	0	1	2,335	75	1	0	1	2,349	76	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric (16 LEDs)	350	20	1,558	78	1	0	0	1,674	84	1	0	0	1,685	84	1	0	0					
	530	28	2,232	80	2	0	1	2,397	86	2	0	1	2,412	86	2	0	1					
	700	39	2,802	72	2	0	1	3,009	77	2	0	1	3,028	78	2	0	1					
	Amber 450	20																419	21	1	0	1

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.

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	1.00	0.98	0.97	0.95

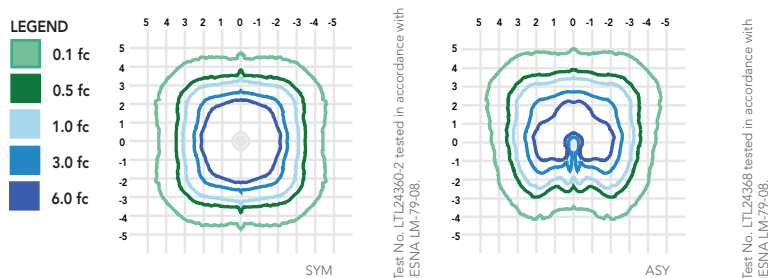
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)				
			120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Bollard homepage](#).

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION

One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three 1/2" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH

Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°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/CustomerResources/Terms_and_conditions.aspx.

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

