A NEW PROJECT FOR:

ARCTIC COLD - OXNARD

DESIGN REVIEW

OXNARD, CALIFORNIA

THE PROJECT:
NEW 576,000 SF COLD STORAGE AND PRODUCE PROCESSING FACILITY. NEW FACILITY TO INCLUDE FRUIT PROCESSING AND PACKAGING, FRUIT COOLER STORAGE, FREEZER STORAGE AND FREEZER BLAST FREEZING.

ADDRESS:
THE PROJECT WILL BE LOCATED EAST OF RICE AVE. ON PROPOSED STREET "A" WITHIN THE SAKIOKA FARMS BUSINESS PARK.

PARCEL NUMBER:
 # 216-0-030-145, 216-0-030-155, 216-0-030-075, 216-0-030-105

SITE:
AREA OF SITE: 1,387,657 SF 31.8 ACRES

PLANNING ZONE: M-1-PD

LOT COVERAGE/SETBACKS: SEE SITE PLAN

BUILDING TYPE: TYPE II-B PER CALIFORNIA BUILDING CODE

OCCUPANCY: F-1 FRUIT PROCESSING AND PACKING
S-1 COOLER AND FREEZER STORAGE
B OFFICE ACCESSORY OCCUPANCY

SHEET INDEX

FISHER CONSTRUCTION GROUP
Design > Build > Equip > Perform
www.fishercgi.com

ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
REV - AA	2019-11-20
REV - AB	2020-02-10
REV - AC	2020-02-28
REV - AD	2020-04-10
REV - AE	2020-06-05

ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
FISHER CONSTRUCTION GROUP, INC.

PLANNING SUBMITTAL

2020-04-10

REV AD

Designed By: Author
Checked By: Checker
Project No: 19F077
Sheet Size: E1
Sheet Title:
COVER SHEET

Sheet No:
AP-000

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
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COMPANY PROFILES

Arctic Cold: Cold StorageProfile

Arctic Cold provides customers the capacity to store frozen and chilled products in a state-of-the-art warehouse with the very latest in engineering, refrigeration, LED lighting, warehouse management systems, and nationwide logistics services.

Logistical services offered by Arctic Cold include round-trip drayage of refrigerated containers between Arctic Cold facilities, surrounding key ports, and intermodal rail yards; temperature-controlled transportation on both less-than-truckload (LTL) and truckload basis; and dedicated transportation programs.

Utilizing leading-edge technology, Arctic Cold offers the most modern temperature-controlled, full-service warehouses in the most important U.S. port areas to provide exceptional, convenient and swift service to retail and food service companies.

Arctic Cold Oxnard will store chilled products including local frozen strawberries, and local-grown cooled lemons.

Arctic Cold: BRC Compliance and Certification
The highest priority of Arctic Cold is always safety. One of the ways Arctic Cold guarantees the safety of a customer's product is by participating in the BRC Global Standards program. Arctic Cold complies with BRC's food safety and quality certification program and all Arctic Cold warehouses are certified in the Global Standard for Storage and Distribution, which promotes best practices in handling, storage, and distribution of products.

Arctic Cold: Green State of Mind
Arctic Cold has a vested interest in helping create a cleaner, more energy efficient environment now – and in the future. Artic Cold invests in sustainable buildings and practices to save energy and encourage environmentally friendly design and construction techniques whenever possible.

Arctic Cold: Staffing Profile
- Office Personnel: 10
- Warehouse Operations Personnel: 25-30
- Artic Cold employees are full-time (40-hours per week) employees who work within a two-shift (16-hour per day) operational framework.
- First Shift 7:00 am to 3:30 pm. Second Shift 3:30 pm to 12:00 midnight.

Ventura Pacific: Processor Company Profile

For 75 years, the Ventura Pacific Company has been a premier grower and packer of California lemons. While currently headquartered in Oxnard, California, Ventura Pacific began in 1942 in Montalvo, California. During the 1970s, the organization was purchased by growers and emerged as the thriving cooperative it is today. During that time, Ventura Pacific began marketing its fruit through Sunkist Inc. and continues to do so today.

Ventura Pacific members grow lemons in Ventura County, Monterey County, the San Joaquin Valley, and the California and Arizona desert regions. Their lemons are sold domestically as well as exported throughout the world.

Ventura Pacific: Processor Operations | Logistics Description
On average, Ventura Pacific Company ships 100 million pounds of lemons per annum. However, the company projects the need to process and ship 200 million pounds per annum in the foreseeable future.

Such growth has resulted in the company outgrowing its current facility and it drives their need for expanding operational capacity. The combination of these operational requirements and Ventura Pacific Company's long-established history and loyalty to Ventura County has advanced the company's plans to construct and operate a new state-of-the-art processing facility in Oxnard. (what is happening to the old facility?)

The benefits of this plan are multiple. They include reducing the company's environmental footprint (how), alleviating traffic within the city (Oxnard?, how), enhancing worker comfort and safety, boosting operational capacity and efficiency, retaining current personnel while also growing the company, solidifying their position as a large employer in the county, and bringing together decades of expertise under the umbrella of an optimized facility.

The general operational and logistics flow is as follows. Most lemons are harvested in the morning hours and are trucked to the facility for processing and storage. Subsequent to arrival, fruit is then washed, sorted, and stored under refrigeration until it is ready to be packed and sold to the markets via truck. Ventura Pacific Company operates throughout the year, but production peaks in the Spring and slows in the Fall.

Ventura Pacific: Processor Staffing
- Office Personnel: 15
- Process Personnel: 100 during peak season, one shift.
- One shift, Monday - Saturday 7:00 am to 5:00 pm (peak season could affect the end time of the shift).
- Ventura Pacific Personnel are generally hired as full-time employees

Ventura Pacific: Processor Business Management
Business Plan – to be provided by owner prior to occupancy.
Risk Management Plan – to be provided by owner prior to occupancy.

MEASURES TO SAVE ENERGY AND NATURAL RESOURCES

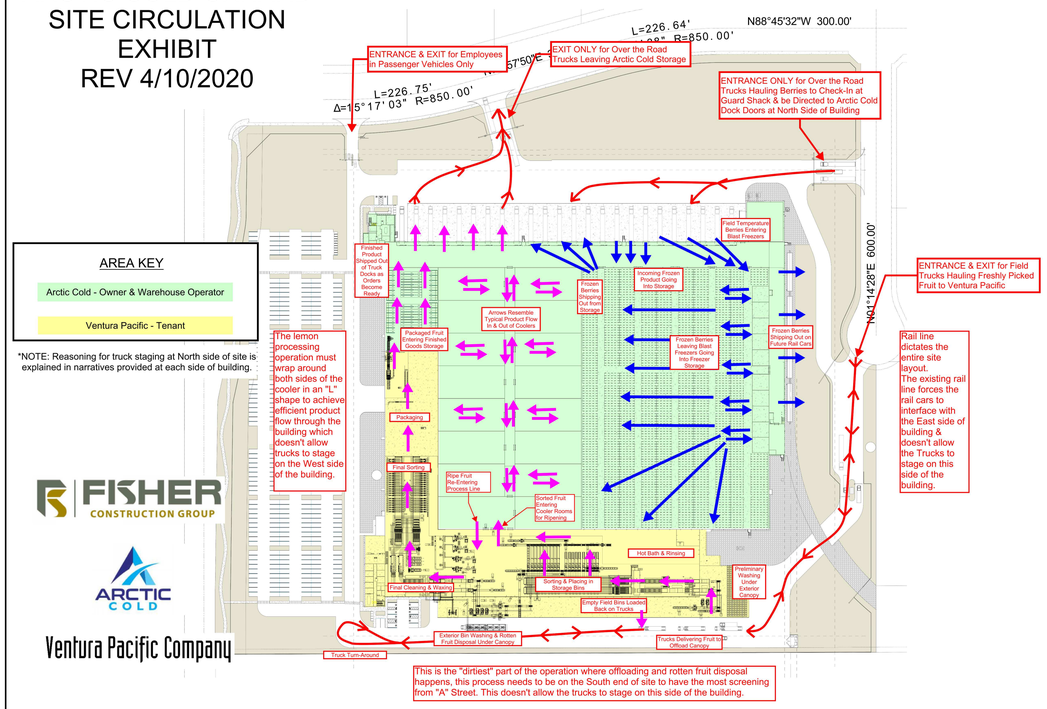
Adiabatic Condensers and Projected Savings of Water
Adiabatic Condensers will be used to save on the overall water demand for the facility. A typical cold storage facility uses Evaporative Condensers which work by evaporating water to transfer the heat loss. While evaporative condensers are known to provide resource efficiencies, Adiabatic Condensers improve on these efficiencies, and in the case of the proposed processing facility are estimated to save 23 million gallons of water annually over the use of traditional evaporative condenser technologies.

An Adiabatic Condenser works off the principle of "sensible" heat transfer where heat from the refrigerant vapor is transferred to only air (no water) being circulated over the condensing coils. This heat warms up the air and there is no direct showering of water or evaporation of water off the condensing coils - they are kept dry. In an air-cooled condenser the air being circulated over the condensing coils is at ambient (dry bulb) temperature, and only increases in temperature as it passes through the condenser. Adiabatic condensers go one step further and use a small amount of water supplied onto cooling pads on the air inlets to "adiabatically cool" the incoming air from ambient dry bulb temperatures to cooler temperatures approaching the wet bulb temperature. Nearly all the water delivered to the cooling pads evaporates into the supply air, not only reducing its temperature, but also increasing its humidity. This cooler, more humid air going over the condensing coils enhances the performance of the adiabatic condenser over an air-cooled condenser and approaches the efficiency of an evaporative condenser while using a fraction of the evaporative condenser's water. Additionally, during low ambient conditions, and/or low load conditions, no water is required by adiabatic condensers. Water is only used during warmer outside temperatures, which for this project are only when the outside temperature is higher than 72°F under full load.
For this project, the calculated savings achieved via the adiabatic condenser is projected to save 23,041,641 gallons of water per year over the evaporative condenser.

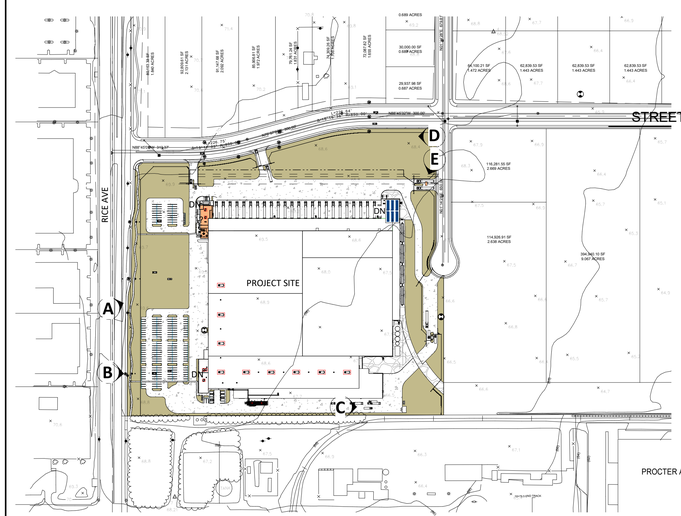
Variable Frequency Drives
For power savings, Variable Frequency Drives (VFD's) will be used throughout the refrigeration equipment. A Variable Frequency Drive is a type of motor controller that drives an electric motor by varying the frequency and voltage supplied to the electric motor. If an application does not require an electric motor to run at full speed, the VFD ramps down the frequency and voltage to meet the requirements of the electric motor's load. As the application's motor speed requirements change, the VFD will simply increase or decrease the motor speed to match the actual speed requirement – thus automatically saving energy while also preventing wastage of energy.

SITE AND BUSINESS NARRATIVE

ARCTIC COLD OXNARD
SITE CIRCULATION
EXHIBIT
REV 4/10/2020



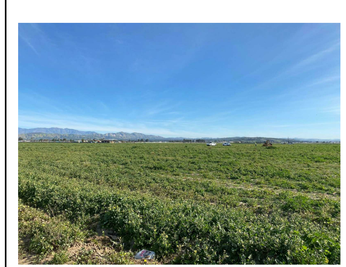
SITE AND BUILDING TRUCK AND PROCESS FLOW DIAGRAM



PHOTOGRAPH MAP 1
1 : 3000 --

PHOTOGRAPH "E" AT FUTURE SAKIOKA DR LOOKING SOUTH WEST

PHOTOGRAPH "D" AT FUTURE SAKIOKA DR LOOKING WEST



PHOTOGRAPH "A" AT RICE AVE LOOKING NORTH EAST

PHOTOGRAPH "B" AT RICE AVE LOOKING SOUTH EAST

PHOTOGRAPH "C" AT SOUTH RAIL LINE LOOKING EAST

SITE SURROUNDINGS PHOTOGRAPHS WITH KEY MAP

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA
SE CORNER OF RICE AVE AND SAKIOKA DR

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Sheet Title:
SITE NARRATIVE AND PICTURES

Sheet No:
AP-001

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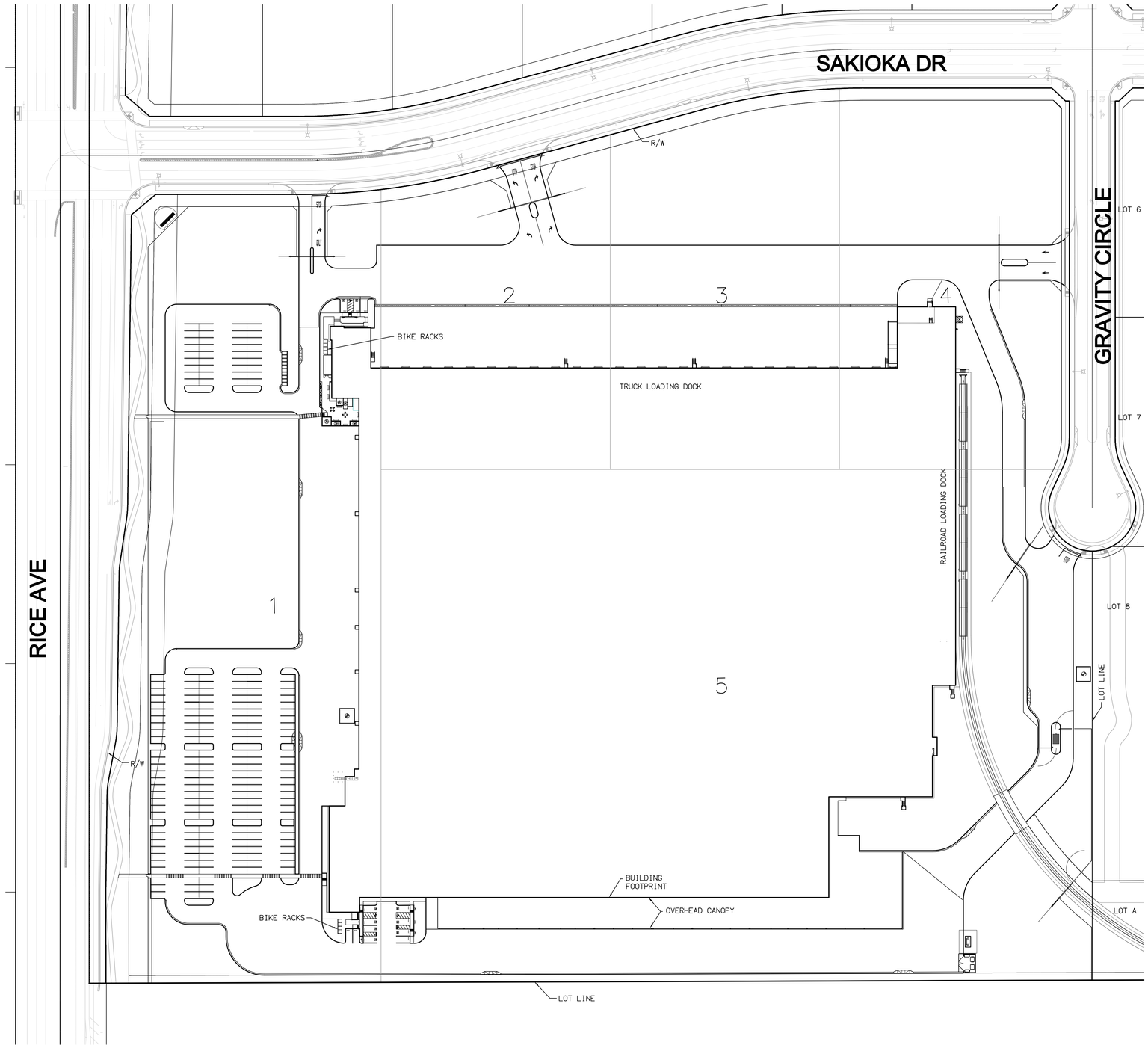
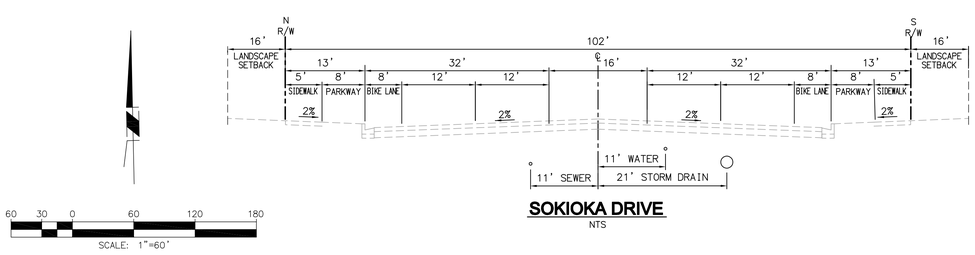
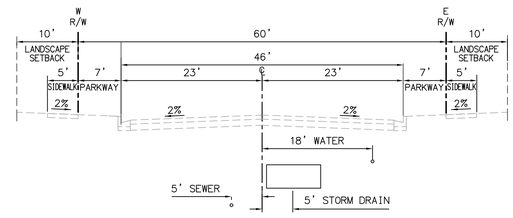




SOKIOKA DRIVE
NTS



GRAVITY CIRCLE
NTS

PROJECT INFORMATION

PROJECT NAME	ARCTIC COLD STORAGE
APPLICANT	FISHER CONSTRUCTION GROUP 625 FISHER LANE BURLINGTON, WA 98233 CONTACT: DAN POWERS
ARCHITECT	FISHER CONSTRUCTION GROUP 625 FISHER LANE BURLINGTON, WA 98233 CONTACT: WILLIAM LANGLEY
SOILS ENGINEER	EARTH SYSTEMS 1731-A WALTER STREET VENTURA,CA 93003 CONTACT: RICK BEARD
THOMAS GUIDE	MAP PG 523-B3-D3
FLOOD ZONE	ZONE X PER 06111C0910E, EFFECTIVE DATE JANUARY 20,2010
EX ZONING	M-1-PD
SPECIFIC PLAN	SAKIOKA FARMS
GENERAL PLAN	ILT - LIGHT INDUSTRIAL
GRADING QUANTITIES	
CUT:	46,008 CU.YDS
FILL:	36,401 CU.YDS
EXPORT:	9,607 CU.YDS

UTILITIES

CABLE:	SPECTRUM 721 MULHARDT AVE. OXNARD, CA 93030 (805) 4855-3888
WATER:	CITY OF OXANRD 251 S. HAYES AVENUE OXNARD, CA 93030 PHONE (805) 385-8154
WATER:	CALLEGUAS MUNICIPAL WATER DISTRICT 2100 OLSEN ROAD THOUSAND OAKS, CA 91360 PHONE (805) 526-9323
SEWER:	CITY OF OXANRD 6001 S. PERKINS ROAD OXNARD, CA 93030 PHONE (805) 488-3517
TELEPHONE:	FRONTIER 201 FLYNN ROAD CAMARILLO, CA 93012 (805) 445-9116 TOM PEARSON
ELECTRIC:	SOUTHERN CALIFORNIA EDISON 10180 TELEGRAPH ROAD VENTURA, CA. 93004 (805) 654-7437 ALISON PANCHECO
GAS:	SOUTHERN CALIFORNIA GAS CO. 9400 OAKDALE AVENUE CHATSWORTH, CA 91313 (805) 701-3228 JACK RUSSO

PROJECT STATISTICS

LOTS	SQ FT	ACRES	LAND USE	LOT USAGE AREA			
1 - 5	1,387,657	31.86	INDUSTRIAL	BLDG COVERAGE	531,356	12.20 ACRES	38.3%
R/W	0	0	RIGHT OF WAY	PAVED	419,778	9.64 ACRES	30.2%
GROSS	1,387,657	31.86	INDUSTRIAL	LANDSCAPE	436,523	10.02 ACRES	31.5%
NET	1,387,657	31.86	INDUSTRIAL	TOTAL	1,387,657	31.86 ACRES	100%

PARKING SUMMARY

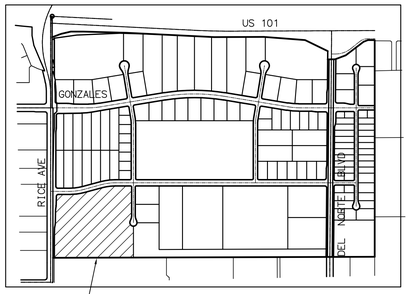
PARKING STANDARD	442
ADA PARKING	9
TOTAL	451
MOTORCYCLE	10

LEGAL DESCRIPTION

THE LAND REFERRED TO IN THIS COMMITMENT IS SITUATED IN THE CITY OF OXNARD, COUNTY OF VENTURA, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

LOT 1 THRU 5 OF TRACT 5996

APN(S): 216-0-030-145, 216-0-030-155, 216-0-030-075 AND 216-0-030-105



SHEET INDEX MAP
NTS

NOTES:

1. THE PROJECT IS WITHIN THE NORTHEAST INDUSTRIAL ASSESSMENT DISTRICT (NIAD) WHERE THE CITY HAS ENTERED INTO AGREEMENT WITH THE COUNTY OF VENTURA TO ASSURE THE CITY REQUIRES DEVELOPERS TO INCLUDE ON-SITE RETENTION MEASURES IN CONFORMANCE WITH VENTURA COUNTY CRITERIA AND PROVIDE FOR THEIR PERPETUAL MAINTENANCE. ON-SITE RETENTION BASINS SHALL BE DESIGNED TO LIMIT THE Q100 OUTFLOW TO THE STREETS AND/OR STORM DRAIN SYSTEM TO THE APPROVED SYSTEM DESIGN CAPACITY OF 1 CFS/ACRE.
2. THE SAKIOKA SPECIFIC PLAN WAS DEEMED COMPLETE FOR PROCESSING PRIOR TO OCTOBER 2011. THE PROJECT BEING A PART OF SAID SPECIFIC PLAN SHALL COMPLY WITH THE PERFORMANCE CRITERIA SET FORTH IN THE 2002 TECHNICAL GUIDANCE MANUAL FOR STORMWATER QUALITY CONTROL MEASURES UNDER BOARD ORDER 00-108 AS STIPULATED IN THE TECHNICAL GUIDANCE MANUAL 2011, ERRATA MAY 29, 2015.
3. IN COMPLIANCE WITH THE NIAD AGREEMENT AND NPDES REQUIREMENTS, STORMWATER WILL BE ADDRESSED BY A REGIONAL INFILTRATION BASIN ALONG THE SOUTHERN TRACT BOUNDARY. THE BASIN SHALL BE SIZED FOR THE ENTIRETY OF THE THE SPECIFIC PLAN. SAID INFILTRATION BASIN SHALL MEET THE TREATMENT AND DETENTION REQUIREMENTS OF A FULLY DEVELOPED SAKIOKA FARMS SPECIFIC PLAN.
4. PERPETUAL MAINTENANCE OF THE REGIONAL INFILTRATION BASIN SHALL BE BY A LANDSCAPE MAINTENANCE DISTRICT FORMED PRIOR TO THE RECORDATION OF THE FIRST FINAL MAP.
5. DIRECT CONNECTION SHALL BE ALLOWED TO THE REGIONAL INFILTRATION BASIN BY ALL LOTS PROVIDED A PRETREATMENT DEVICES ARE INSTALLED OR INFILTRATION BASIN FOREBAY IS CONSTRUCTED AT THE POINT OF CONNECTION.
6. PRETREATMENT DEVICES SHALL BE SIZED FOR THE SQDF PER METHOD 1 AS DESCRIBED IN SECTION 2.8 OF THE 2011 TGM OR INFILTRATION BASIN FOREBAY SIZED FOR 25% OF THE SQDV AS PRORATED USING THE VOLUME/ACRE CALCULATED IN THE TRACT 5966 DRAINAGE REPORT SHALL BE CONSTRUCTED ON ALL CONNECTIONS TO THE BACKBONE STORM DRAIN SYSTEM.

DELANE ENGINEERING
2812 SANTA MONICA BLVD. SUITE 206
SANTA MONICA, CA 90404
PHONE: 310.546.5711-WWW.DELANEENGINEERING.COM

REGISTERED PROFESSIONAL ENGINEER
SCOTT DELANE GREEN
No C 72391
CIVIL
STATE OF CALIFORNIA

ARCTIC COLD STORAGE
ENGINEERED SITE PLAN
OXNARD, CALIFORNIA

DATE	REMARKS	REMARKS

PE / PM:	DP/SU
DRAWN BY:	TN
JOB NO.:	01-10268

C-1

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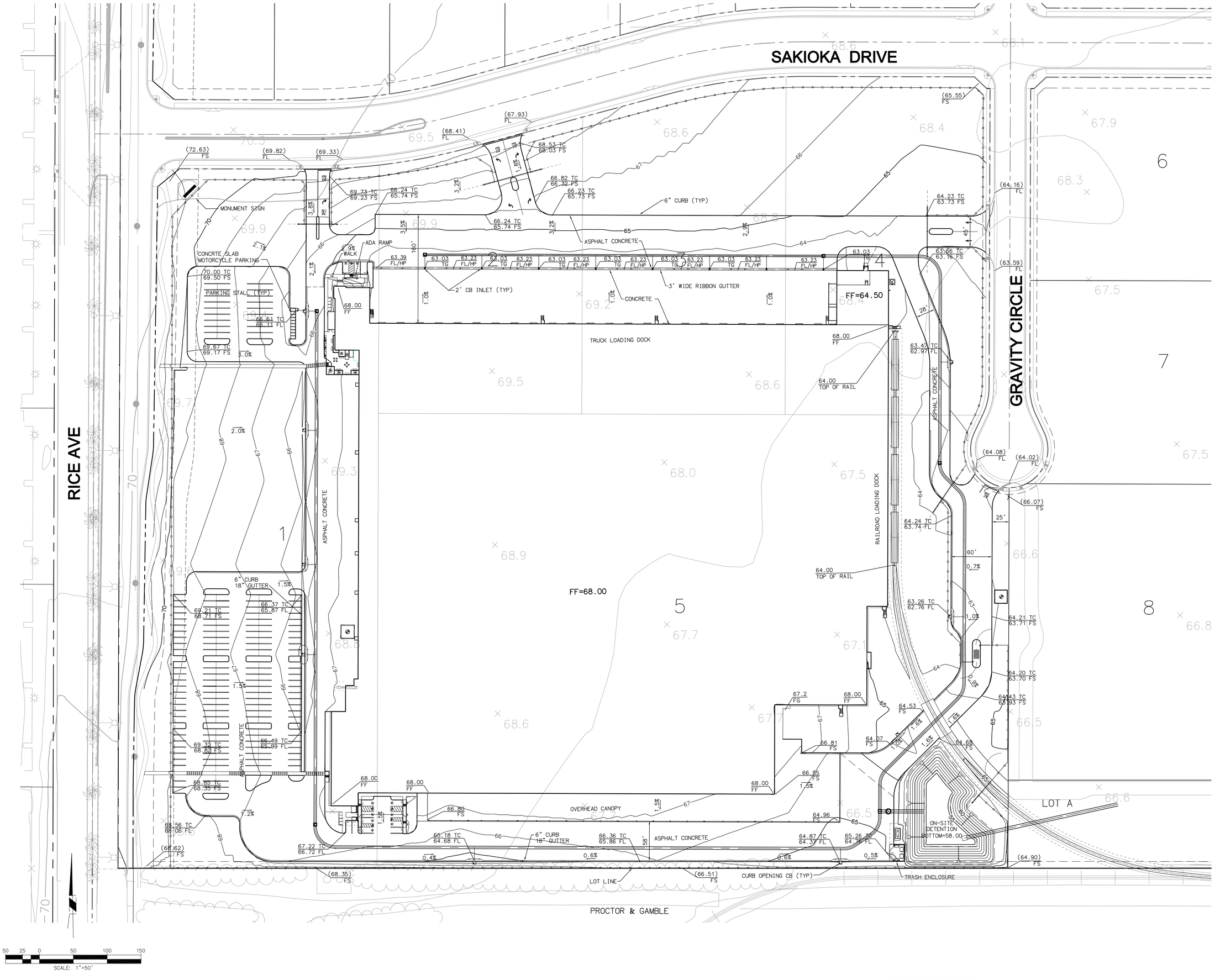

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REGISTERED PROFESSIONAL ENGINEER
SCOTT DELANE GREEN
No C 72391
CIVIL
STATE OF CALIFORNIA

ARCTIC COLD STORAGE

PRELIMINARY GRADING AND DRAINAGE PLAN

OXNARD, CALIFORNIA

DATE	REMARKS	REMARKS

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JOB NO.:	01-10268

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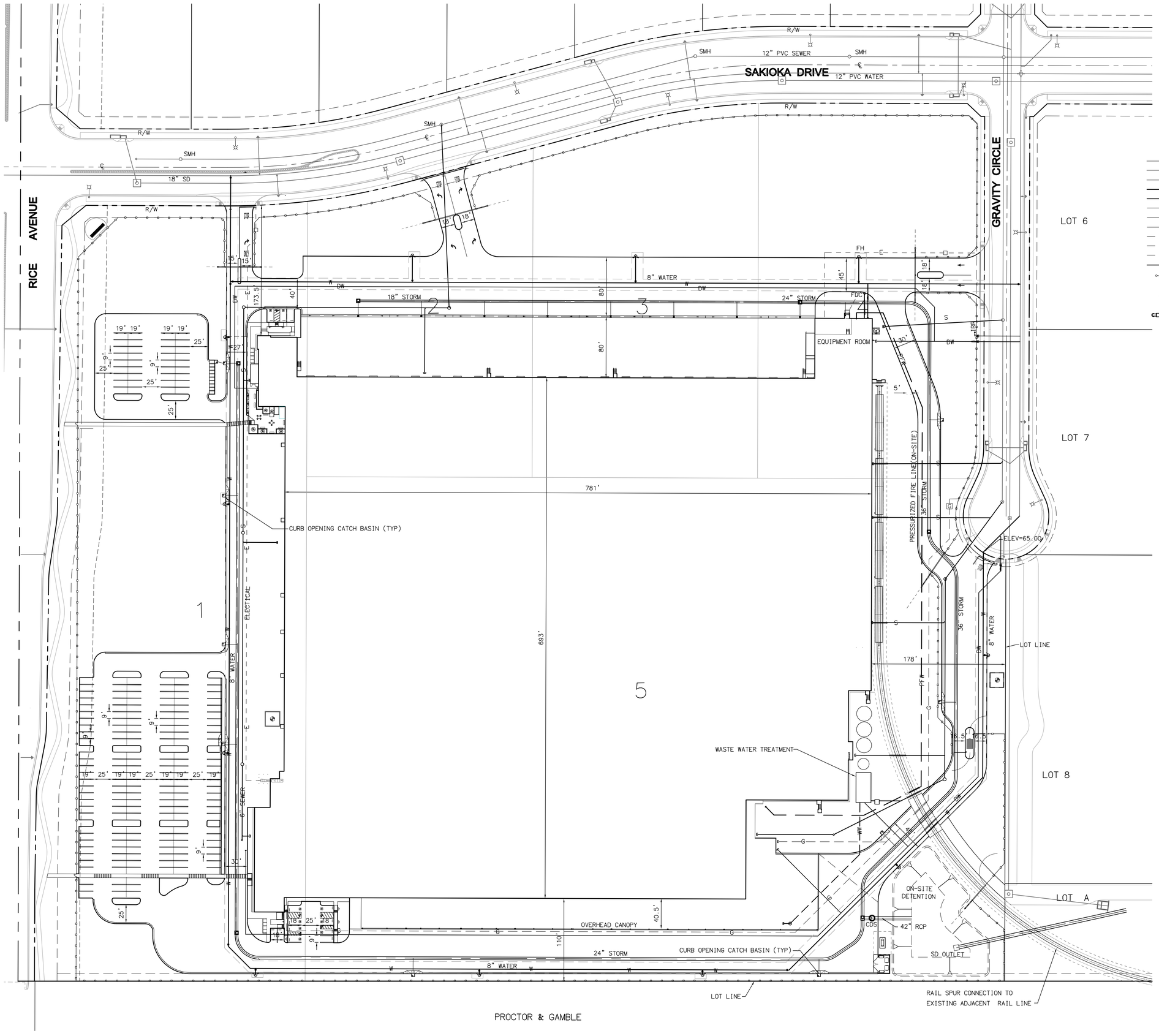

LEGEND

- W — EXISTING WATER MAIN
- S — EXISTING SEWER MAIN
- SD — EXISTING STORM DRAIN MAIN
- W — WATER LINE
- S — SANITARY SEWER
- SD — STORM DRAIN
- DW — DOMESTIC WATER SERVICE LINE
- PFW — ON-SITE PRESSURIZED FIRE LINE
- WW — ON-SITE WASTE WATER LINE
- G — GAS LINE
- E — ELECTRICAL
- SEWER MANHOLE
- STREET LIGHT
- PARKING LOT LIGHT
- FIRE HYDRANT
- WATER METER
- FIRE BACKFLOW AND DOUBLE CHECK VALVE
- FIRE DEPARTMENT CONNECTION (FDC)

50 25 0 50 100 150

SCALE: 1"=50'

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REGISTERED PROFESSIONAL ENGINEER
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CIVIL
STATE OF CALIFORNIA

ARCTIC COLD STORAGE

PRELIMINARY SITE LAYOUT AND UTILITY PLAN

OXNARD, CALIFORNIA

DATE	REMARKS	REMARKS

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JOB NO.:	01-10268

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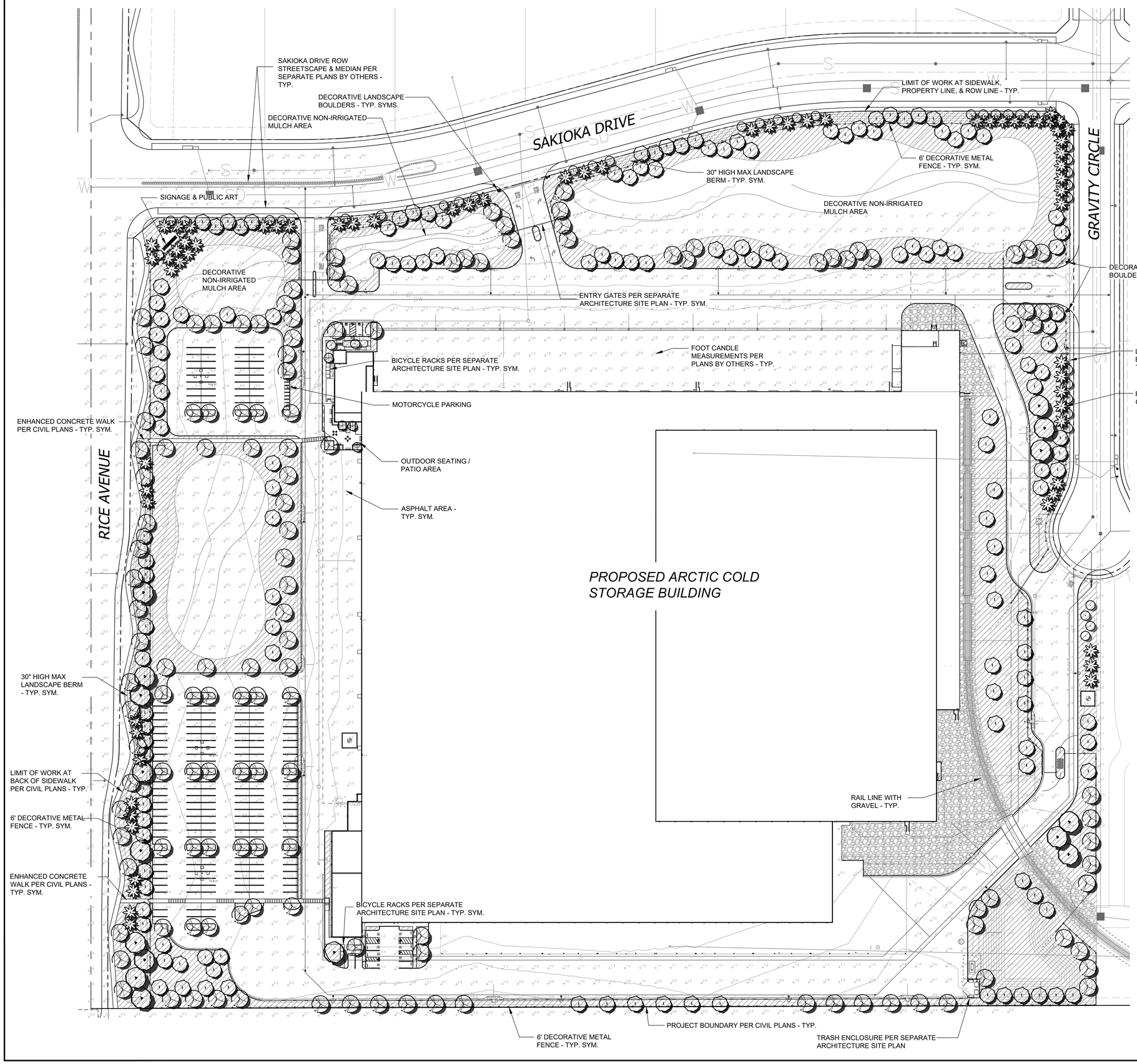


PROPOSED PLANT PALETTE

SYMBOL	BOTANICAL NAME	COMMON NAME
	THEME / SPECIMEN TREES (24" - 36" BOX MIN.)	
	METROSIDEROS EXCELSA	NEW ZEALAND CHRISTMAS TREE
	ULMUS P. 'DRAKE'	CHINESE ELM VAR.
	THEME / SCREEN TREES (24" BOX MIN.)	
	LYONOTHAMNUS F. A.	CATALINA IRONWOOD
	OLEA E. 'WILSONII'	FRUITLESS OLIVE VAR.
	QUERCUS AGRIFOLIA	COAST LIVE OAK
	TABEBUIA IMPETIGINOSA	PINK TRUMPET TREE
	TRISTANIA CONFERTA	BRISBANE BOX
	ACCENT TREES / PARKING LOT TREES (24" BOX MIN.)	
	CHITALPA X TASHKENTENSIS	CHITALPA
	GEIJERA PARVIFLORA	AUSTRALIAN WILLOW
	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA
	PLATANUS RACEMOSA	WESTERN SYCAMORE
	PALM TREES (24" BOX MIN.)	
	WASHINGTONIA 'FILLABUSTA'	HYBRID FAN PALM
	VERTICAL ACCENT TREES (24" BOX MIN.)	
	JUNIPERUS C. 'TORULOSA'	HOLLYWOOD JUNIPER
	PODOCARPUS 'ICEE BLUE'	ICEE BLUE YELLOWOOD
	TRISTANIA CONFERTA	BRISBANE BOX
	SMALL FLOWERING TREES (24" BOX MIN.)	
	CERCIS OCCIDENTALIS	WESTERN REDBUD
	CHIONANTHUS RETUSUS	CHINESE FRINGE TREE
	SHRUBS / VINES / GROUNDCOVER (SHRUBS & VINES WILL BE 5 GAL. MIN., GROUNDCOVER WILL BE FLATS PLANTED 12" O.C.) SUCH AS:	
	AGAVE SPP.	AGAVE
	ALOE SPP.	ALOE
	ALYOGENE HUEGLII	BLUE HIBISCUS
	ARCTOSTAPHYLOS SPP.	MANZANITA
	ARTEMESIA 'CANYON GREY'	PROSTRATE SAGEBRUSH VAR.
	BACCHARIS 'PIGEON POINT'	DWARF COYOTE BUSH
	CAREX TUMULICOLA	FOOTHILL SEDGE
	CHONDROPETALUM TECTORUM	SMALL CAPE RUSH
	DASILYRION WHEELERI	DESERT SPOON
	DENDROMECON HARDFORDII	ISLAND BUSH POPPY
	DYMONDIA MARGARATAE	SILVER CARPET
	ECHIUM FASTUOSUM	PRIDE OF MADERIA
	EPILOBIUM CANUM	CALIFORNIA FUCHSIA
	FESTUCA MAIERI	ATLAS FESCUE
	GREVILLEA SPP.	GREVILLEA
	HARDENBERGIA VIOLACEA	LILAC VINE
	HETEROMELES ARBUTIFOLIA	TOYON
	IRIS DOUGLASIANA	DOUGLAS IRIS
	LAVENDULA SPP.	LAVENDER
	LESSINGIA F. 'SILVER CARPET'	SILVER CARPET ASTER
	LEYMUS C. 'CANYON PRINCE'	CANYON PRINCE WILD RYE
	MASCAGNIA MACROPTERA	BUTTERFLY VINE
	MUHLENBERGIA LINDHEIMERI	LINDHEIMER'S MUHLY
	MYOPORUM PARVIFLORUM	CREEPING MYOPORUM
	PHORMIUM TENAX	NEW ZEALAND FLAX
	RHAPHIOLEPIS SPP.	INDIAN HAWTHORN
	RHUS INTEGRIFOLIA	LEMONADE BERRY
	RIBES VIBURNIFOLIUM	CATALINA CURRANT
	SALVIA CLEVELANDII	CLEVELAND SAGE
	SENECIO MANDRALISCAE	KLEINIA
	XYLOSMA CONGESTUM	SHINY XYLOSMA

PRELIMINARY WATER EFFICIENT LANDSCAPE WORKSHEET - ARCTIC COLD STORAGE

Project Reference Evapotranspiration (Eto) 43.40

Hydrozone # / Planting Description	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)
Regular Landscape Areas							
Shrubs	0.3	Dripline	0.81	0.37	225,912.00	83,671.11	2,251,422.26
Trees	0.4	Bubblers	0.75	0.53	6,800.00	3,626.67	97,586.35
				0		0	
				Totals	**232,712.00**	**87,297.78**	**2,349,008.60**
Special Landscape Areas							
				1		-	-
				1		-	-
				Totals	-	-	-
						ETWU Total	**2,349,008.60**
						MAWA	**2,817,816.52**

Notes:
1. Irrigation Efficiency - 0.75 Spray Head, 0.81 Drip
2. ETWU = Annual Gallons Required = (Eto)*0.62*ETAF*Area)
3. MAWA = Annual Gallons Allowed = (Eto) (0.62) [(ETAF*LA)+((1-ETAF)*SLA)]

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	87,297.78
Total Area	232,712.00
Average ETAF	0.38

All Landscape Areas

Total ETAF x Area	87,297.78
Total Area	232,712.00
Average ETAF	0.38

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

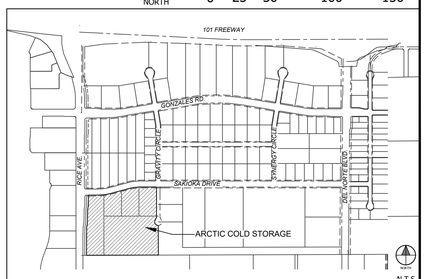
GENERAL NOTES:

1. THE LANDSCAPE DESIGN WILL COMPLY WITH THE CITY OF OXNARD WATER CONSERVATION ORDINANCE 2822.
2. THE LANDSCAPE DESIGN WILL COMPLY WITH THE JUNE, 2012 SAKIOKA FARMS BUSINESS PARK SPECIFIC PLAN.
3. THE LANDSCAPE DESIGN WILL COMPLY WITH THE 2016 CALIFORNIA GREEN BUILDING CODE.
4. IRRIGATION WILL BE DESIGNED FOR CONNECTION TO A FUTURE RECYCLED WATER SYSTEM AND TO CURRENT HEALTH CODE STANDARDS.
5. ROOT BARRIERS ARE REQUIRED FOR ALL TREES PLANTED WITHIN 6' OF DRIVEWAYS, PUBLIC ROADWAYS, SIDEWALKS, OR PLAZA/COURTYARD HARDSCAPE AREAS PER THE 2012 SAKIOKA FARMS BUSINESS PARK SPECIFIC PLAN AND CITY OF OXNARD REQUIREMENTS.
6. SITE LIGHTING AND FOOT CANDLE MEASUREMENTS PROVIDED FOR REFERENCE ONLY.

NORTH

SCALE - 1" = 50'-0"

0 25' 50' 100' 150'



SAKIOKA FARMS KEY MAP

WEILAND DESIGN GROUP, INC.
LANDSCAPE ARCHITECTURE & PLANNING - CONSTRUCTION MANAGEMENT
28824 OLD TOWN FRONT STREET, SUITE 302 TEMECULA, CA 92590
P (844) WEILAND, XT 701 F (619) 675-3426, EMAIL - KLONGRO@W-D-G.COM
CORPORATE OFFICE
291 SIERRA WAVE SWALL MEADOWS, CA 93514

LICENSED LANDSCAPE ARCHITECT
KIM T. LONGRO
No. 5598
SIGNATURE
06/30/20
EXP. DATE
06/12/20
DATE
STATE OF CALIFORNIA

ARCTIC COLD STORAGE

LANDSCAPE CONCEPT PLAN

OXNARD, CALIFORNIA

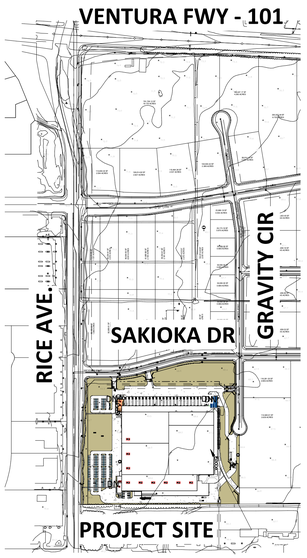
DATE	REMARKS

PE / PM:	KL
DRAWN BY:	BB
JOB NO.:	19-040a

L-1

PLOT DATE: 6/15/20 8:09 AM FILE NAME: L:_MEDICAL ENGINEERING\19-040 SAKIOKA FARMS - COLD STORAGE\19-040A DESIGN REVIEW\19-040A DESIGN REVIEW.DWG

SAVE DATE: 6/12/20 WDG-KIM2



VICINITY MAP 2
1 : 6000 --

PARKING REQUIREMENTS:

FACILITY	AREA	REQ'D PARKING
OFFICE - NORTH	6,714 SF	35
OFFICE - MAINTENANCE	1,908 SF	
OFFICE - SOUTH	8,498 SF	34
DOCK	37,157 SF	
COOLER & FREEZER	143,382 SF	103
FINISHED GOODS	17,050 SF	17
RAIL DOCK	8,617 SF	
PROCESSOR ONE	91,904 SF	184
DRY PRODUCT STORAGE	12,631 SF	
PROCESS MEZZANINE	15,660 SF	31
MECHANICAL	5,090 SF	
CANOPY	35,212 SF	
TOTAL PARKING STALLS REQUIRED		404
TOTAL PARKING PROVIDED		**410**
STANDARD STALLS		391
VAN ACCESSIBLE		4
STANDARD ACCESSIBLE		5
MOTORCYCLE STALLS		10
BIKE POSITIONS - LOCKABLE, COVERED		24

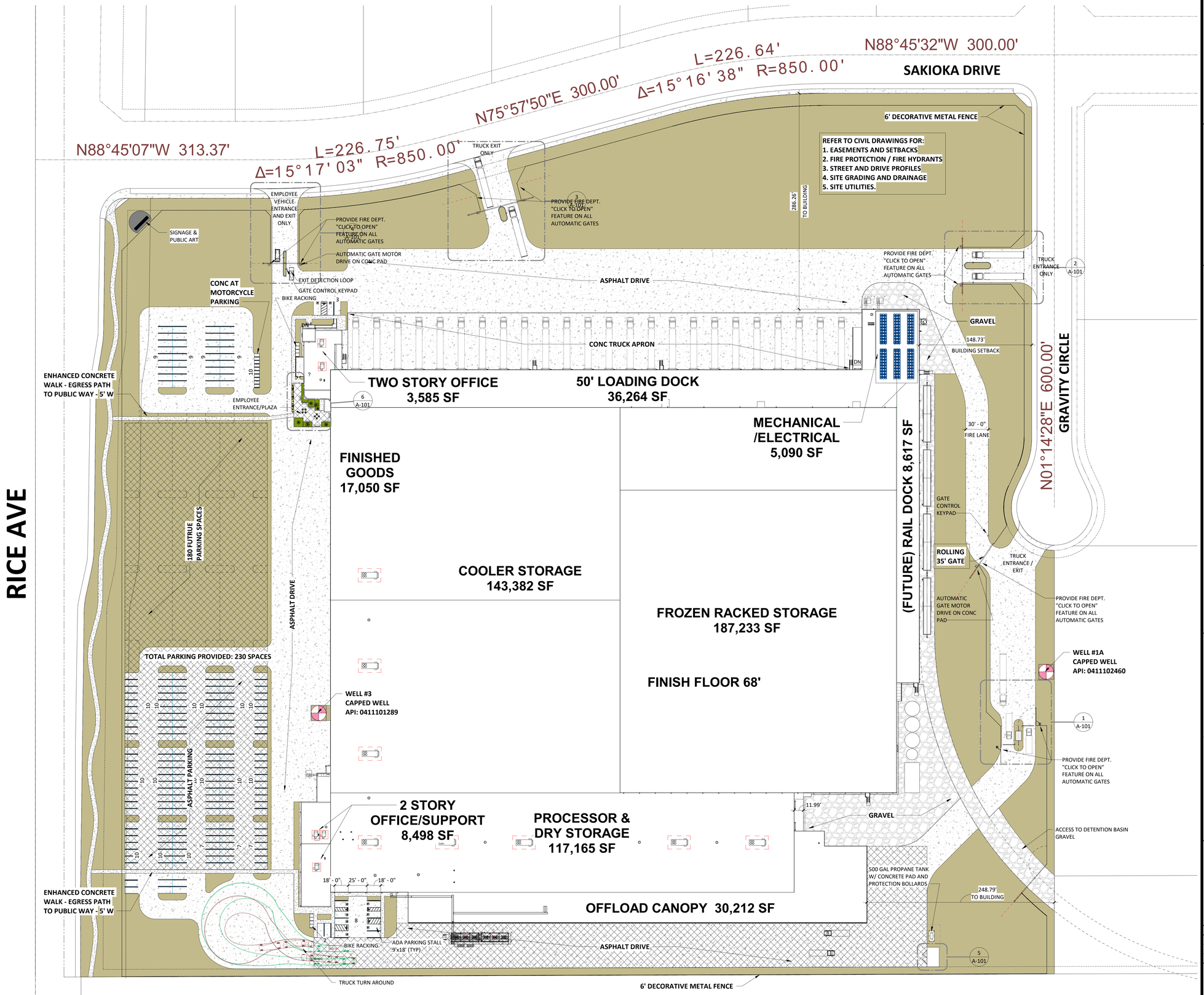
ALL PARKING IS INTENDED TO SERVE AS REQUIRED TENNANT AND EMPLOYEE PARKING, INCLUDING VISITOR/CUSTOMER AS REQUIRED.

PARKING REQUIREMENTS 3
1" = 1'-0" --

SITE DETAILS:

SITE	1,387,657 SF	31.8 ACRES
FACILITY	531,356 SF	38.3%
PAVING	419,778 SF	30.2%
PERVIOUS SURFACES	436,523 SF	31.5%
TOTAL	1,387,657 SF	100%

SITE AREA 4
1" = 1'-0" --



SITE PLAN 1
1" = 50'-0" --

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
REV - AA	2019-11-20
REV - AB	2020-02-10
REV - AC	2020-02-28
REV - AD	2020-04-10
REV - AE	2020-06-05

ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT IN CONSULTATION WITH FISHER CONSTRUCTION GROUP, INC.

Designed By: Author
Checked By: Checker
Project No: 19F077
Sheet Size: E1

Sheet Title:
SITE PLAN

Sheet No:
AP-100

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
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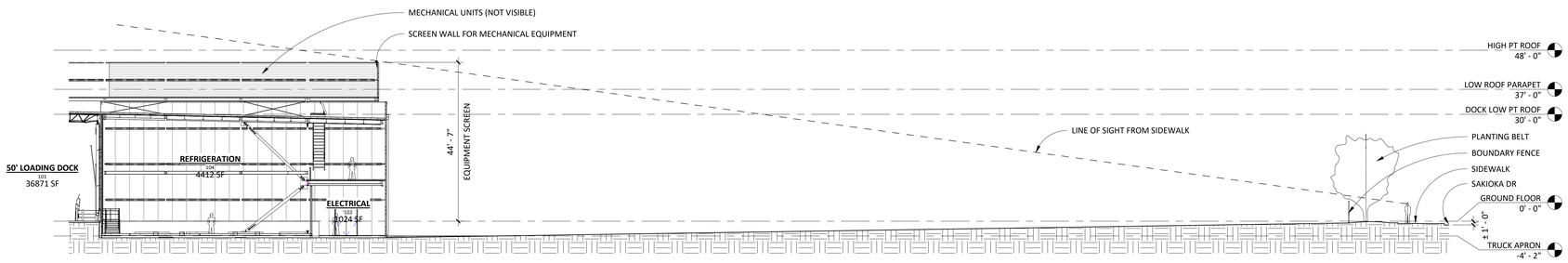
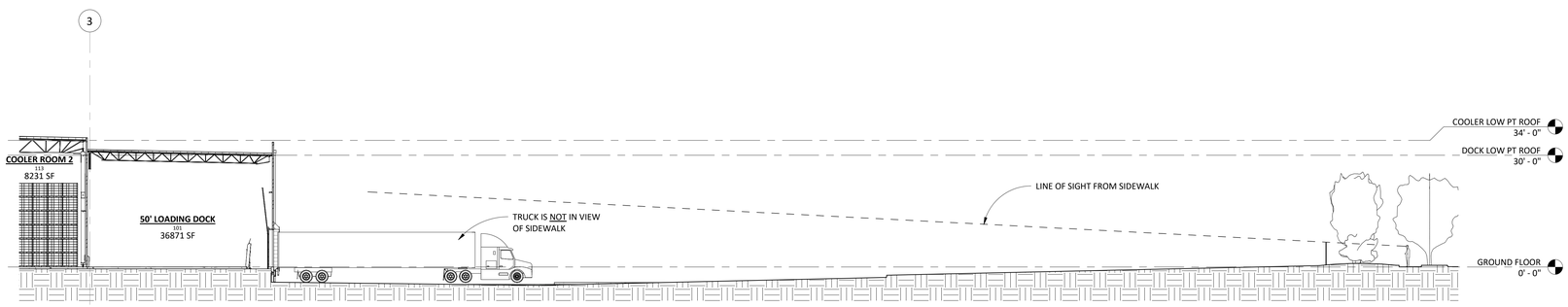


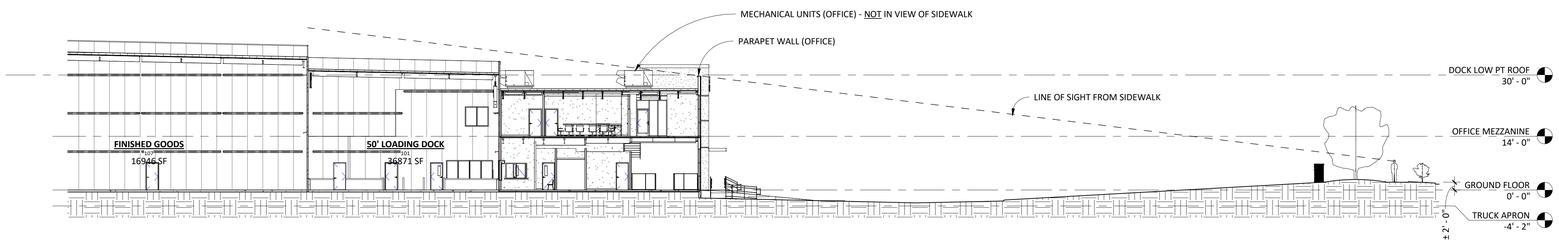
SIGHTLINE SECTION MECHANICAL ROOM - SAKIOKA DR | 1

1/16" = 1'-0" | --



SIGHTLINE SECTION TRUCK DOCK - SAKIOKA DR | 2

1/16" = 1'-0" | --



SIGHTLINE SECTION NORTH OFFICE - SAKIOKA DR | 3

1/16" = 1'-0" | --

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ARCTIC COLD

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OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

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WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
FISHER CONSTRUCTION GROUP, INC.

Designed By: Author
Checked By: Checker
Project No: 19F077
Sheet Size: E1
Sheet Title:
SIGHTLINE SECTIONS

Sheet No:
AP-101A

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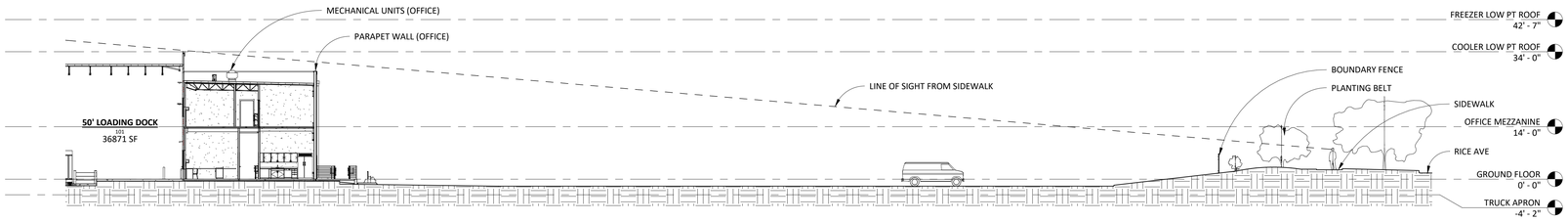
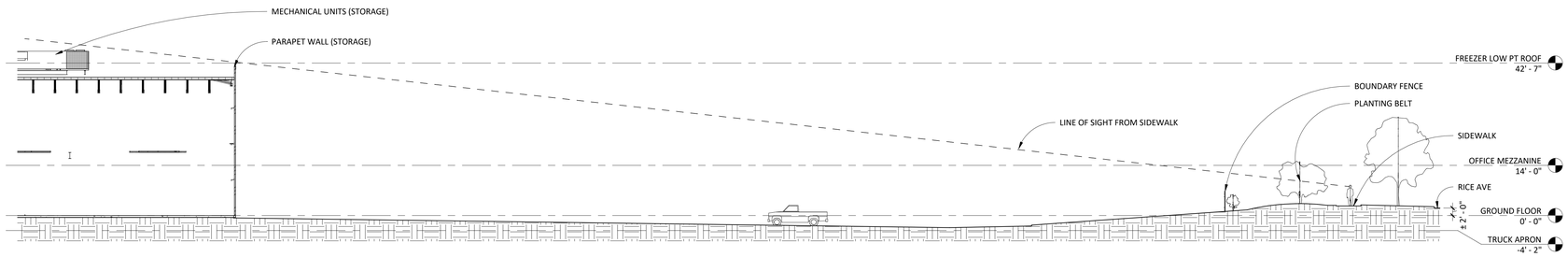
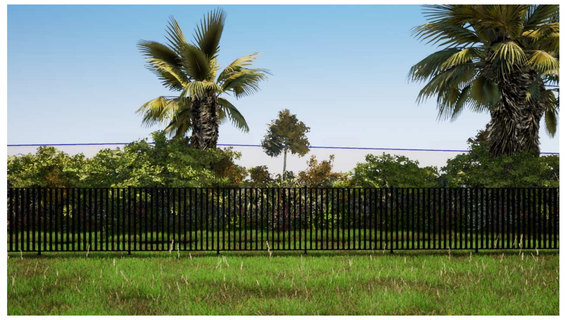


SIGHTLINE SECTION NORTH OFFICE - RICE AVE | 1

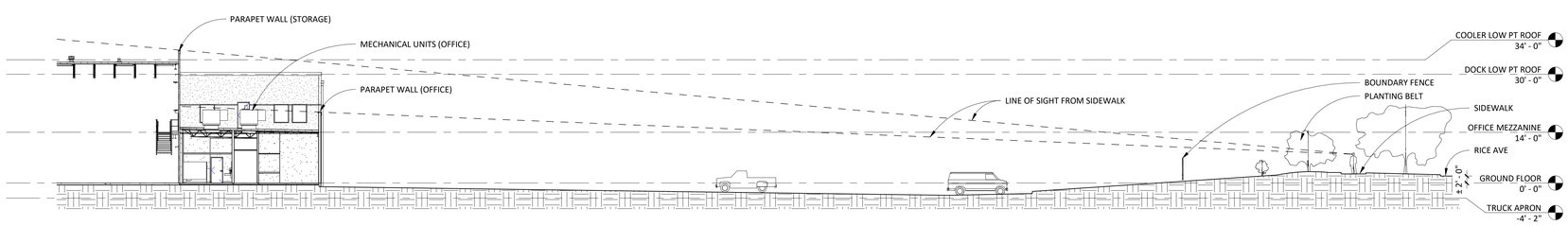
1/16" = 1'-0" | --





SIGHTLINE SECTION WEST PROCESSING - RICE AVE | 2

1/16" = 1'-0" | --



SIGHTLINE SECTION SOUTH OFFICE - RICE AVE | 3

1/16" = 1'-0" | --

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

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REV - AB	2020-02-10
REV - AC	2020-02-28
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ASI	DATE

WILLIAM A LANGLEY, AIA-ARCHITECT
IN CONSULTATION WITH
FISHER CONSTRUCTION GROUP, INC.

Designed By:	Author
Checked By:	Checker
Project No:	19F077
Sheet Size:	E1

Sheet Title:

SIGHTLINE SECTIONS

Sheet No:

AP-101B

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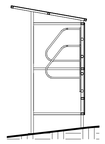
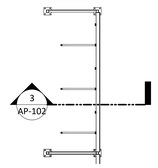
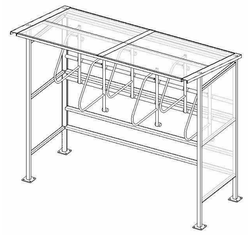
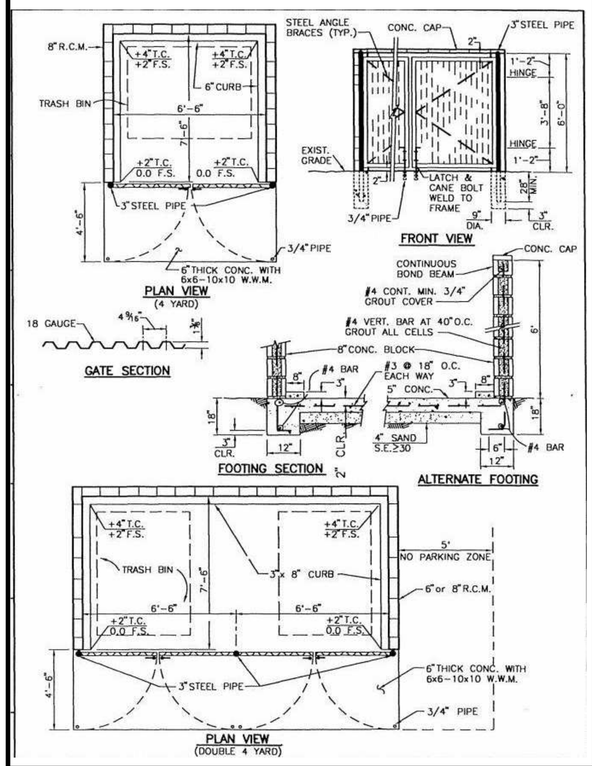


BICYCLE RACK - SECTION 3
1/4" = 1'-0" --



BICYCLE RACK 2
1/4" = 1'-0" --





REFUSE CONTAINER ENCLOSURE

GENERAL NOTES:

1. MECHANICAL REFRIGERATION CONDENSER UNITS TO BE MOUNTED ABOVE MECHANICAL EQUIPMENT ROOM AT AN ELEVATION OF APPROXIMATELY 30' ABOVE FINISH FLOOR OR 34' ABOVE FINISH GRADE.
2. TOP OF REFRIGERATION CONDENSER UNITS WILL BE APPROXIMATELY 48' ABOVE FINISH FLOOR OR 52' ABOVE GRADE.
3. ALL EXTERIOR REFRIGERATION EQUIPMENT TO BE SCREENED FROM VIEW ALONG SOUTH DEL NORTE BLVD.
4. MANUFACTURER SOUND LEVEL CHARTS LISTED BELOW ARE FOR FULL SPEED, MAXIMUM OPERATING SPEED. UNITS WILL RARELY OPERATE AT FULL SPEED OR MAXIMUM SOUND LEVELS.
5. HIGHEST SOUND LEVELS WILL EMIT FROM THE TOPS OF THE UNITS.
6. ALL ROOF TOP MECHANICAL EQUIPMENT WILL BE FULLY SCREENED WHICH WILL ADDITIONALLY LIMIT SOUND TRANSMISSION TO STREET LEVEL.

GENERAL NOTES

NOTES:

1. WALLS: SLUMPSTONE BLOCK, REINFORCED AND CAPPED. STRUCTURE TO BE APPROVED PRIOR TO CONSTRUCTION BY BUILDING AND SAFETY DEPARTMENT.
2. GATES: SHALL BE STEEL FRAMED WITH STEEL ANGLE BRACE TYPE METAL 18 GAUGE AND STEEL MINI V-BEAM PANEL AND THE GATE ITSELF, SHALL BE HUNG ON A 3" STEEL PIPE, CONCRETE FILLED THAT IS NOT ATTACHED TO THE ENCLOSURE. SHALL NOT OPEN INTO DRIVING LANES OR PARKING SPACES.
3. SIZE: ENCLOSURE SIZE FOR SINGLE FOUR YARD CONTAINER IS TO BE 7' DEEP AND 7'-6" WIDE AND FOR DOUBLE FOUR YARD IS TO BE 7' 6" DEEP AND 15' WIDE. SIZE OF ENCLOSURE TO BE DETERMINED IN ADVANCE OF CONSTRUCTION BY THE REFUSE SUPERINTENDENT.
4. LOCATION: TO BE DETERMINED IN ADVANCE OF CONSTRUCTION FROM PLANS SUBMITTED TO THE REFUSE SUPERINTENDENT. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF OXNARD ORDINANCE-SECTION 34-9.4, 15-19, AND 15-26.
5. FLOOR: SHALL BE OF CONCRETE, WITH A MAXIMUM SLOPE OF 2" TO DRAIN ENCLOSURE, AND FLUSH WITH ADJOINING PAVEMENT
6. LATCH: A LATCHING ASSEMBLY IS REQUIRED WITH CANE BOLTS ON BOTH GATES TO HOLD IN OPEN AND CLOSED POSITION WITH 3/4" PIPE TO HOLD THE CANE BOLT.
7. ACCESSABILITY: ENCLOSURE LOCATIONS SHOULD NOT BE BEHIND ANY LOCKED GATES, CHAINS, OR FENCES. IF ENCLOSURE LOCATIONS ARE SITUATED BEHIND LOCKED COMPLEXES, THE CONDITIONS FOR PICKUP WILL BE FORMALIZED IN A WRITTEN AGREEMENT SIGNED BY THE OWNER AND APPROVED BY THE REFUSE SUPERINTENDENT. THIS AGREEMENT MUST BE APPROVED PRIOR TO APPROVAL OF PLANS. CONTACT THE REFUSE PROGRAM FOR DETAILS AT 385-8060.
8. ROOF: A SOLID ROOF WITH 8 FEET OF CLEARANCE IS REQUIRED ON ALL TRASH ENCLOSURES.
9. GREASE INTERCEPTOR: TRASH ENCLOSURES SERVING FOOD PREPARATION FACILITIES, GAS STATIONS AND GROCERY STORES SHALL INCLUDE A TRAFFIC RATED TRENCH DRAIN WITHIN THE ENCLOSURE WHICH DRAINS THROUGH A GREASE INTERCEPTER TO THE SEWER SYSTEM. OTHER USES MAY BE REQUIRED TO INSTALL A TRENCH DRAIN AS DIRECTED BY THE CITY ENGINEER.
10. FIRE SPRINKLER: FIRE SPRINKLER MAY BE REQUIRED BY THE CALIFORNIA BUILDING CODE OR THE THE UNFORM FIRE CODE.
11. PARKING: NO PARKING SPACES ARE ALLOWED WITHIN 5 FEET OF EDGE OF ENCLOSURE.

Full Speed Complete Sound Data

evapco for LIFE

Mike Davidson, P.E.
716 Laurel Street #11

San Carlos, California 94070
650-722-2330
Mike@fecompany.com

Sound Pressure Levels (SPL) in dB RE 0.0002 Microbar
Sound Power Levels (PWL) in dB RE 10-12 Watt

Model EAVCA-9120ZA320P7-621AUSP02
Motor 4.29 HP
Motors 20
Speed Full Speed

Single Unit Data

Band	Sound Pressure Level (dB) End 5.0 ft (1.5m)	End 50.0 ft (15.2m)	Motor Side 5.0 ft (1.5m)	Motor Side 50.0 ft (15.2m)	Opp End 5.0 ft (1.5m)	Opp End 50.0 ft (15.2m)	Opp Mtr. Side 5.0 ft (1.5m)	Opp Mtr. Side 50.0 ft (15.2m)	Top 5.0 ft (1.5m)	Top 50.0 ft (15.2m)	Sound Power Level (db)
63	70	62	78	67	70	62	78	67	80	68	100
125	73	66	81	70	73	66	81	70	83	71	103
250	70	62	78	67	70	62	78	67	80	68	100
500	66	59	75	63	66	59	75	63	76	65	97
1000	66	58	74	63	66	58	74	63	75	64	96
2000	60	52	68	57	60	52	68	57	69	58	90
4000	54	47	63	51	54	47	63	51	64	53	85
8000	49	42	57	46	49	42	57	46	59	47	79
Calc dBA	70	62	78	67	70	62	78	67	80	68	100

Sound option(s) selected: None

Remarks:
1. Sound Pressure Levels are according to CTI Standard ATC-128 and verified by an independent CTI-licensed sound test agency
2. Sound Power Levels are calculated according to the Small Units Section 8
3. Sound from free-field conditions over a reflecting plane with -1/+2 db(A) tolerance
4. Noise levels can increase with variable frequency drives depending on the drive manufacturer and the drive configuration
5. Complete unit sound data with all fans operating

Evapco, Inc. Sound Data

evapco

Sound Pressure Levels (SPL) in dB RE 0.0002 Microbar
Sound Power Levels (PWL) in dB RE 10^{-12} Watt

MODEL: (5) EAVCA-9120ZA320P7-621AUSP02
MOTOR: 4.29 HP
MOTORS: 100
SPEED: 100.0%

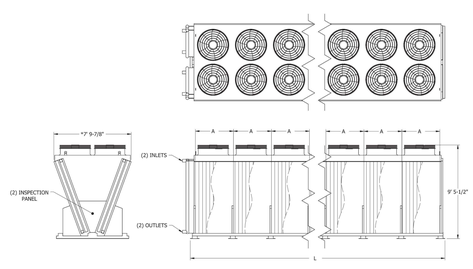
MULTI-CELL DATA

BAND	SOUND PRESSURE LEVEL End 5 ft (1.5 m)	End 100 ft (31 m)	Mtr. Side 5 ft (1.5 m)	Mtr. Side 100 ft (31 m)	End 5 ft (1.5 m)	End 100 ft (31 m)	Opp. Mtr. Side 5 ft (1.5 m)	Opp. Mtr. Side 100 ft (31 m)	Top 5 ft (1.5 m)	Top 100 ft (31 m)
63 HZ	74	63	79	65	74	63	79	65	82	69
125 HZ	77	66	83	68	77	66	83	68	85	72
250 HZ	74	63	79	65	74	63	79	65	82	69
500 HZ	70	60	76	61	70	60	76	61	79	65
1 kHZ	70	59	75	60	70	59	75	60	78	65
2 kHZ	64	53	69	54	64	53	69	54	72	59
4 kHZ	58	47	64	48	58	47	64	48	67	52
8 kHZ	53	41	59	43	53	41	59	43	61	47
dBA	74	63	79	64	74	63	79	64	82	69

REMARKS: 1. Sound Pressure Levels are according to CTI Standard ATC-128.
2. Sound from free-field conditions over a reflecting plane with +/- 2 db(A) tolerance.
3. Complete unit sound data with all fans operating.

V Coil Configuration - EC Motor

Engineering Data



Twin Fan, 8' Wide Models

Model Name	# Fans	Nominal Capacity [MBH]†	HP [kW]	Air Volume [cfm]	Unit Length [L]	Coil Volume [gal.]	Shipping Weight [lbs.]	Operating Weight [lbs.]
EAVWD9102ZJ	2	496	8.6 [6.4]	35762	5' - 3-3/8"	69	3050	3630
EAVWD9104ZJ	4	992	17.2 [12.8]	71525	9' - 6-5/8"	107	5150	6050
EAVWD9106ZJ	6	1486	25.7 [19.1]	107287	13' - 9-3/4"	146	7270	8490
EAVWD9108ZJ	8	1978	34.3 [25.5]	143050	18' - 0"	185	9420	10960
EAVWD9110ZJ	10	2482	42.9 [31.9]	178812	22' - 4-1/8"	223	11580	13440
EAVWD9112ZJ	12	2960	51.5 [38.3]	214574	26' - 7-3/8"	262	13680	15870
EAVWD9114ZJ	14	3401	60.1 [44.7]	250337	30' - 10-1/2"	300	15620	18130
EAVWD9116ZJ	16	3912	68.7 [51.1]	286099	35' - 1-3/4"	339	17730	20560
EAVWD9118ZA	18	4194	77.2 [57.5]	310953	35' - 6-7/8"	378	19820	22970
EAVWD9120ZA	20	4680	85.8 [63.9]	345503	39' - 4-7/8"	378	20310	23460

Notes:
* Adiabatic width: 9' 7/8"
A: Two incremental fin lengths available: 3' 10-1/16" or 4' 3-3/16"
Dimensions are subject to change. Do not use for pre-fabrication.
† Nominal Capacity 110°F-100°F at 92°F dry bulb temp. Adiabatic = dry bulb 102°F
Adiabatic capacity: The adiabatic cooling effect and resulting depressed dry bulb entering the coil depends on the ambient dry bulb and associated relative humidity. Consult your sales representative, EVAPCO marketing, or Spectrum™ selection software for more information

12

SEC. 7-185. EXTERIOR SOUND STANDARDS.

(A) The following standards, unless otherwise specifically indicated, shall apply to all property within the designated sound zone:

Sound Zone	*Type of Land Use*	*Allowable Exterior Sound Level* *7:00 a.m. to 10:00 p.m.*	*10:00 p.m. to 7:00 a.m.*
I	Residential	55 dBA	50 dBA
II	Commercial	65 dBA	60 dBA
III	Industrial	70 dBA	70 dBA
IV	As identified in Figure IX-2 of the 2020 General Plan		

(B) Each of the sound levels specified shall be reduced by five dBA for impulse sound and simple tone noise, or for sounds consisting of speech or music, provided, however, that if the ambient sound level exceeds the allowable exterior sound level, the ambient sound level shall be the standard.

(C) No person at any location within the city shall create, maintain, cause or allow any sound on property which causes the sound level, when measured on any other property, to exceed:

(1) The allowable exterior sound level for a cumulative period of more than 30 minutes in any hour;
(2) The allowable exterior sound level plus five dBA for a cumulative period of more than 15 minutes in any hour;
(3) The allowable exterior sound level plus ten dBA for a cumulative period of more than five minutes in any hour;
(4) The allowable exterior sound level plus 15 dBA for a cumulative period of more than one minute in any hour; or
(5) The allowable exterior sound level plus 20 dBA for any period of time.

(D) In the event the ambient sound level exceeds any of the first four sound level categories in subsection (C) above, the allowable exterior sound level applicable to the category shall be increased to reflect ambient sound level. In the event the ambient sound level exceeds the fifth category, the maximum allowable exterior sound level under the category shall be increased to reflect the maximum ambient sound level.

(E) If the measurement location is on a boundary between two different sound zones, the lower allowable exterior sound level applicable to the sound zone shall apply.

(F) If the intruding sound level is continuous and cannot be reasonably discontinued or stopped for a time period whereby the ambient sound level may be determined, then the measured sound level obtained while the sound source is in operation shall be compared directly to the allowable exterior sound level. The allowable exterior sound level shall be the one applicable to the type of land use at the location of the measurement and the time of day.

(G) The reasonableness of temporarily discontinuing the sound generated by an intruding sound source shall be determined by the director for the purpose of establishing the existing ambient sound level at the measurement location.

(`64 Code, Sec. 19-60.6) (Ord. No. 2292

SEC. 7-187. SOUND LEVEL MEASUREMENT.

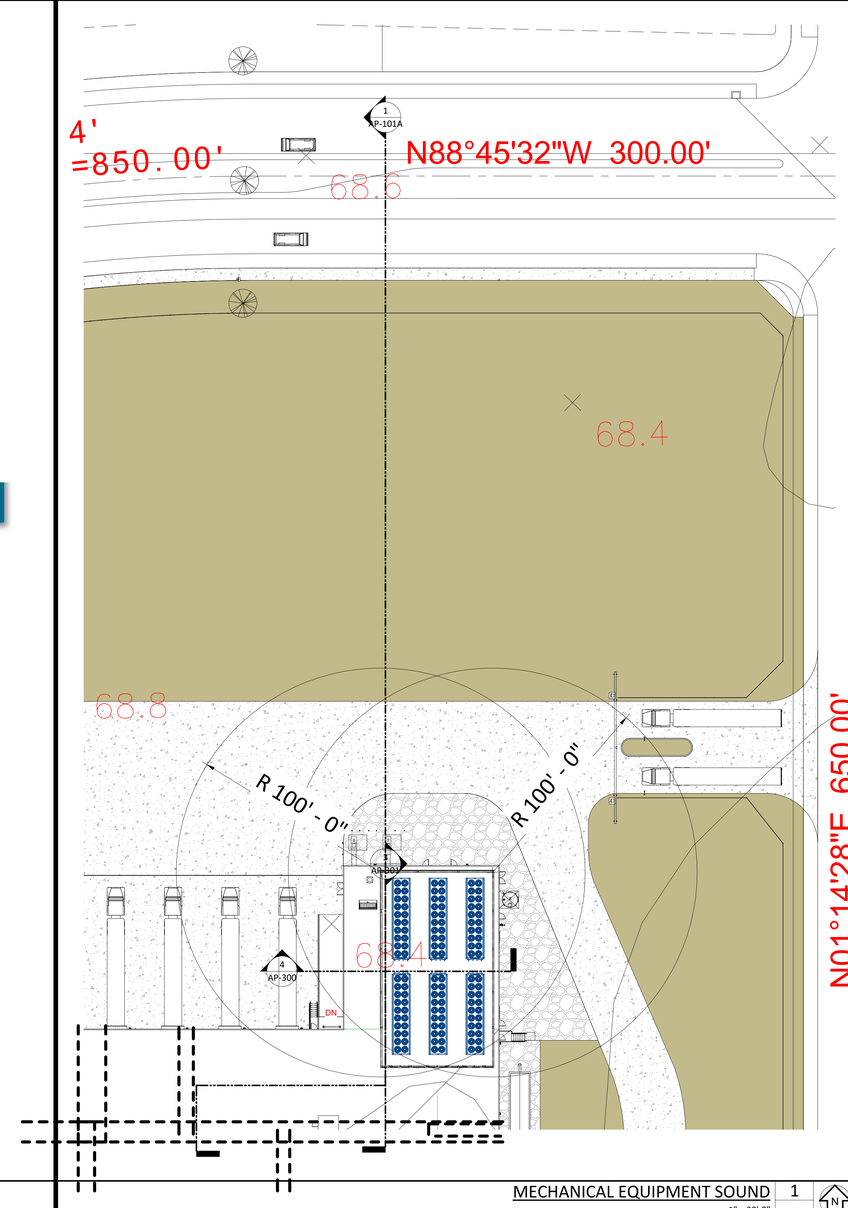
(A) When the location selected for measuring a sound level is within the affected dwelling unit, the measurement shall be made at a point at least four feet from the wall, ceiling or floor nearest the sound source with windows in an open position depending on the normal seasonal ventilation requirements.

(B) When the location selected for measuring a sound level is outside a dwelling unit, the measurement shall be taken at the property line of the site from which the sound emanates.

(C) When the location selected for measuring a sound level is on public property, the measurement shall be taken 100 feet from the sound source.

(`64 Code, Sec. 19-60.8) (Ord. No. 2292)

CITY OF OXNARD EXTERIOR SOUND STANDARDS



MECHANICAL EQUIPMENT SOUND
1" = 30'-0"
1 --

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OXNARD, CA

SE CORNER OF RICE AVE AND SANDOAL DR

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REV - AE	2020-06-05

ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
FISHER CONSTRUCTION GROUP, INC.

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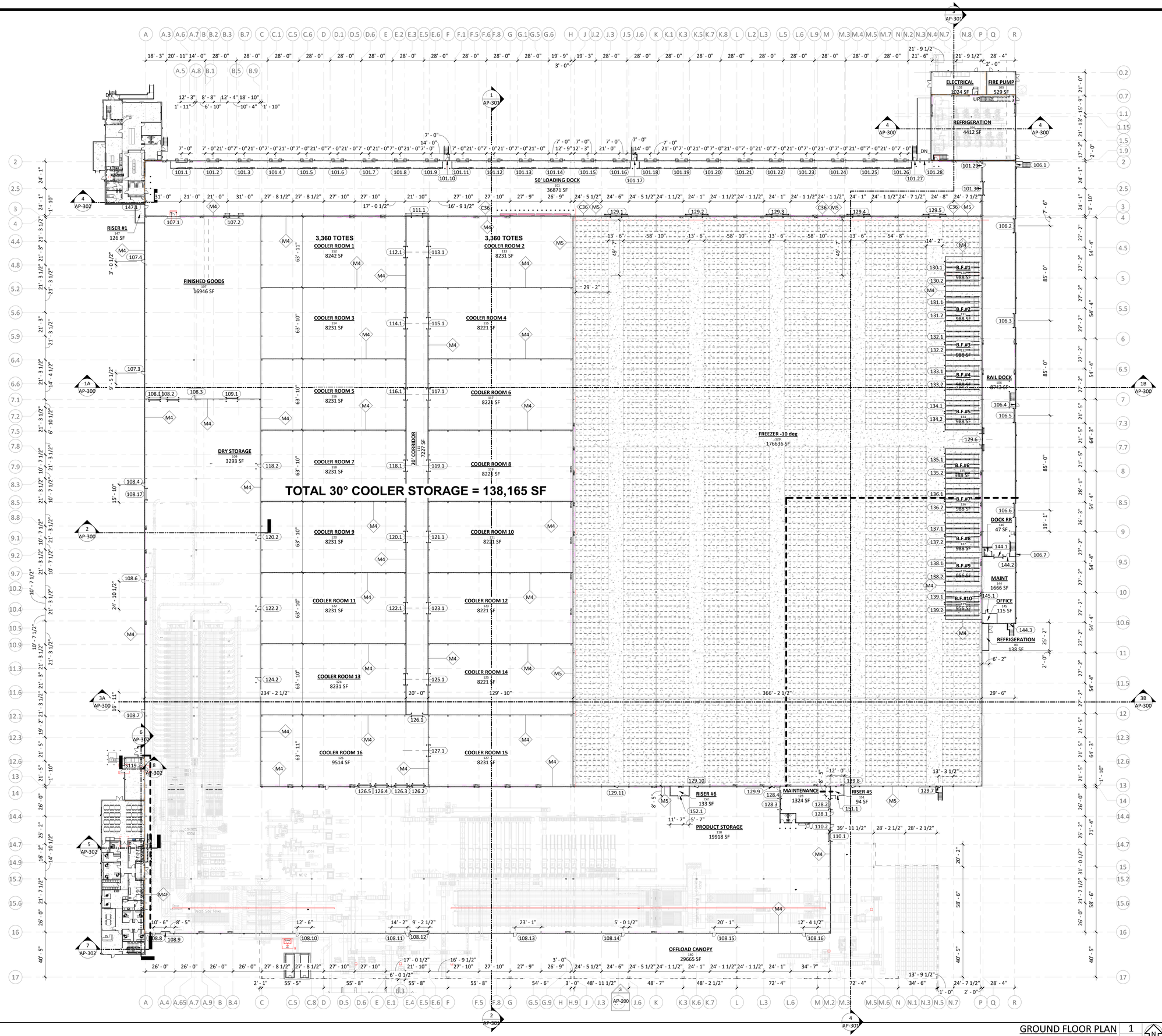
Sheet Size: E1

Sheet Title:
SITE DETAILS & SOUND EXTENTS

Sheet No:
AP-102

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 2:59:36 PM



GROUND FLOOR PLAN 1
1/32" = 1'-0"

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAMOXA DR

REV	DATE
REV - AA	2019-11-20
REV - AB	2020-02-10
REV - AC	2020-02-28
REV - AD	2020-04-10
REV - AE	2020-06-05

ASI	DATE

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IN CONSULTATION WITH
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Project No:	19F077
Sheet Size:	E1

Sheet Title:
GROUND FLOOR PLAN

Sheet No:
AP-104

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
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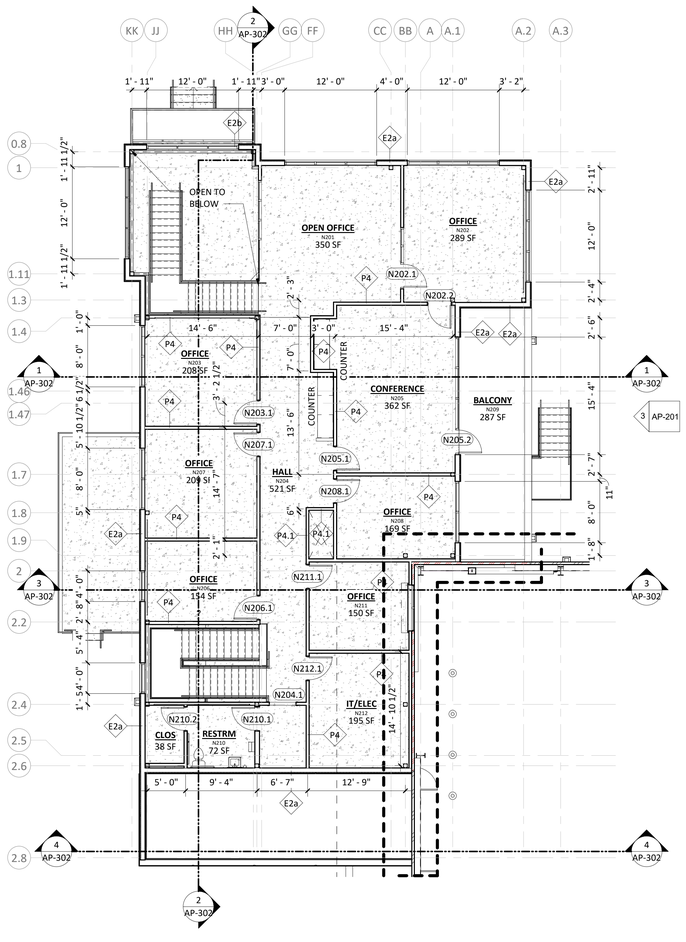
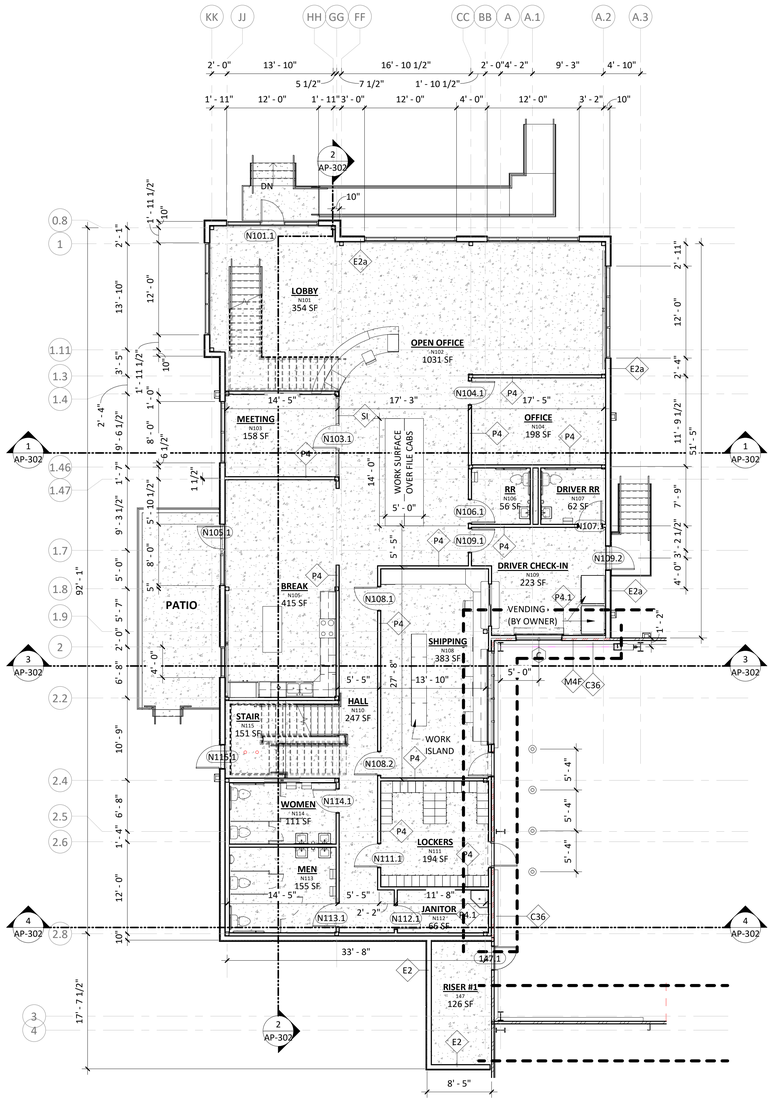


NORTH OFFICE MEZZANINE 2
1/8" = 1'-0"



GROUND FLOOR - NORTH OFFICE 1
1/8" = 1'-0"

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
REV - AA	2019-11-20
REV - AB	2020-02-10
REV - AC	2020-02-28
REV - AD	2020-04-10
REV - AE	2020-06-05

ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
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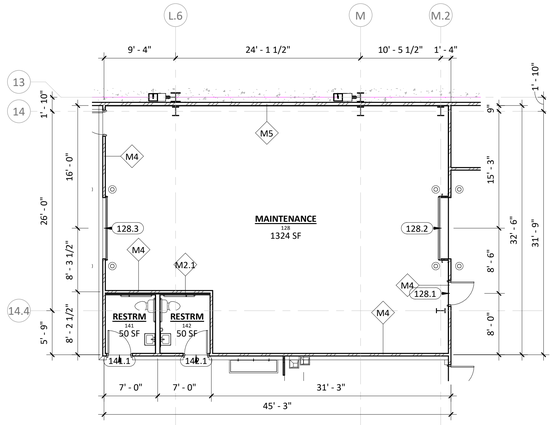
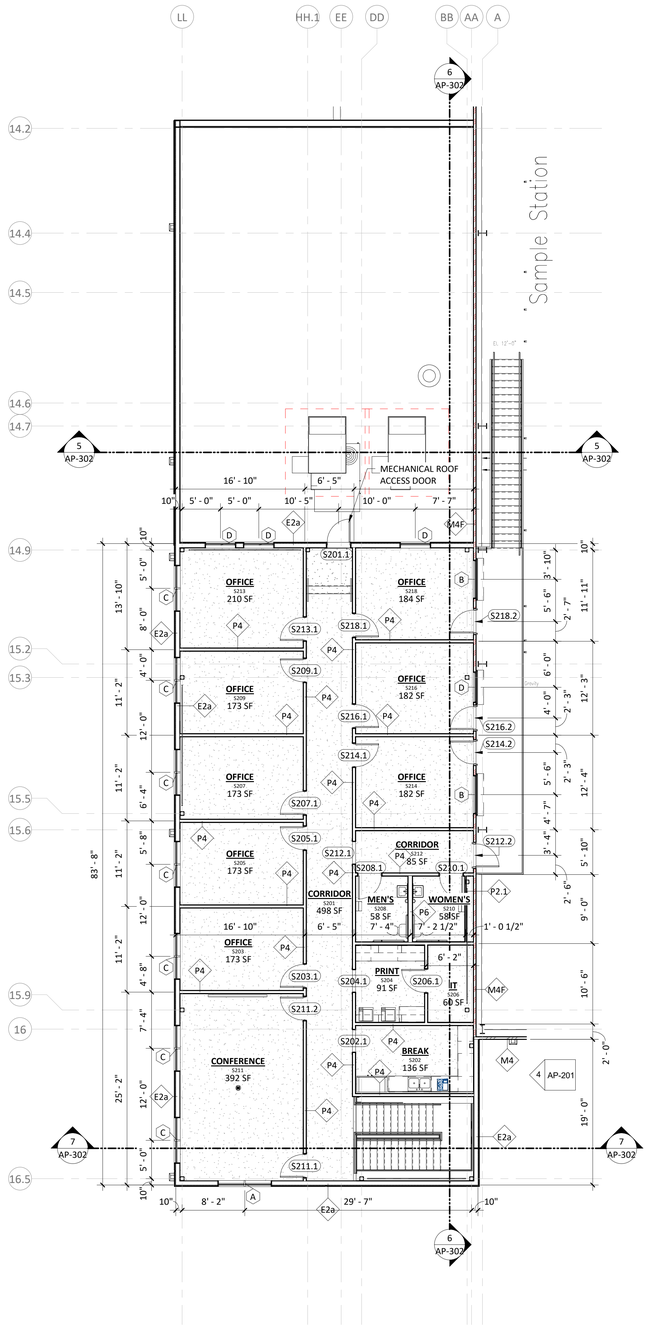
Project No: 19F077
Sheet Size: E1
Sheet Title:
ENLARGED PLANS - NORTH OFFICE

Sheet No:
AP-106

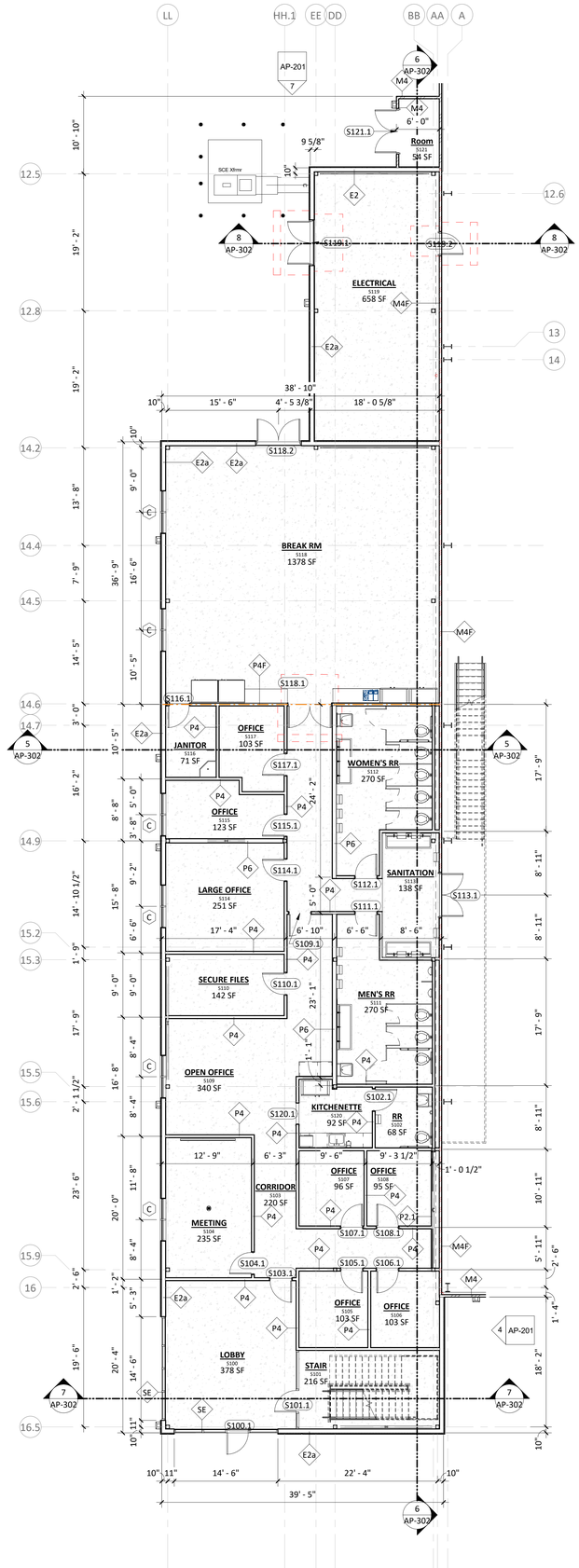
BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 3:00:44 PM



PROCESS MAINTENANCE AREA 3
1/8" = 1'-0"



SOUTH OFFICE MEZZANINE 2
1/8" = 1'-0"



GROUND FLOOR - SOUTH OFFICE 1
1/8" = 1'-0"

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
REV - AA	2019-11-20
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REV - AC	2020-02-28
REV - AD	2020-04-10
REV - AE	2020-06-05

ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
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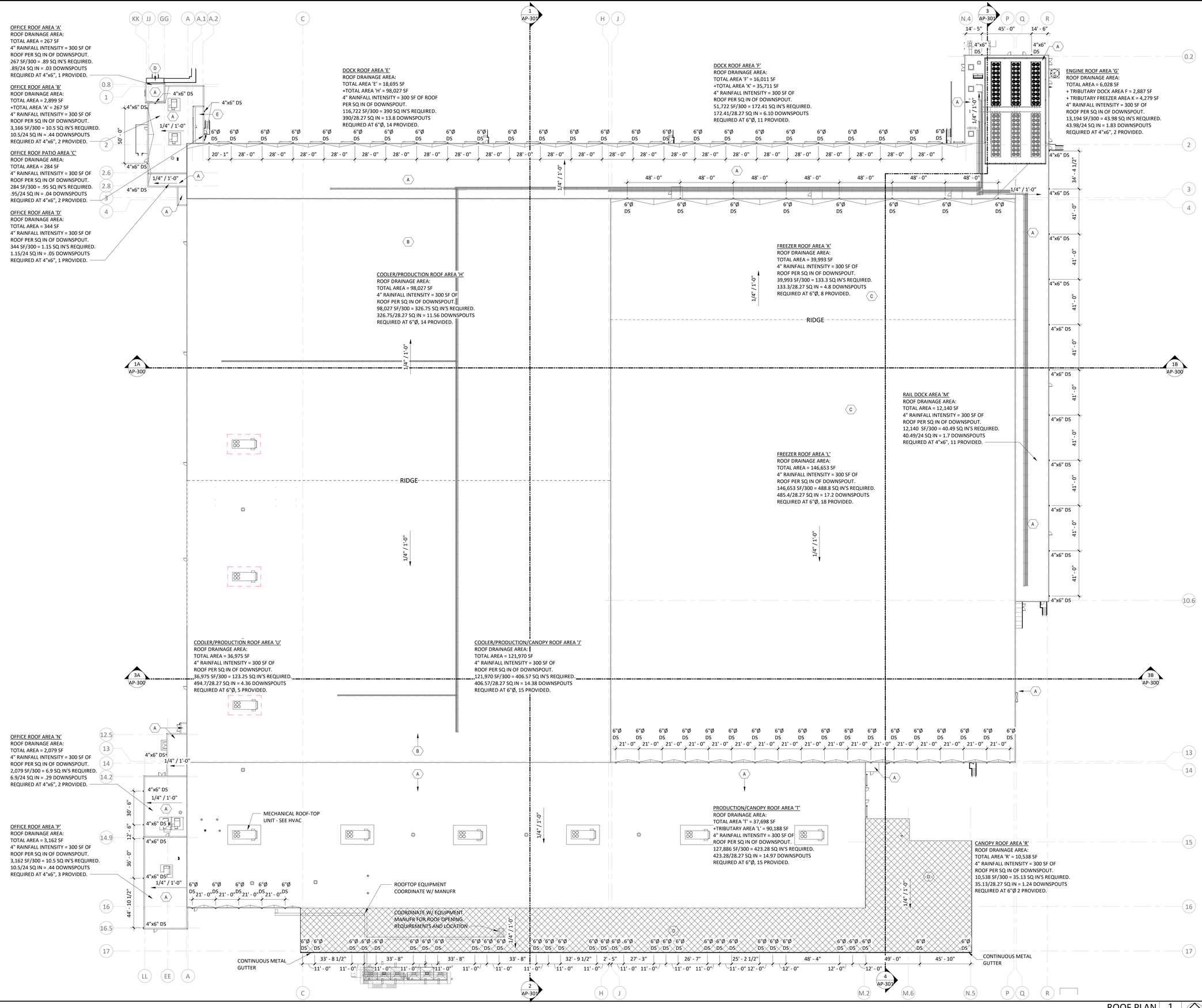
Project No:	19F077
Sheet Size:	E1

Sheet Title:
ENLARGED PLANS - SOUTH OFFICE

Sheet No:
AP-107

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 3:01:15 PM



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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
REV - AA	2019-11-20
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ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
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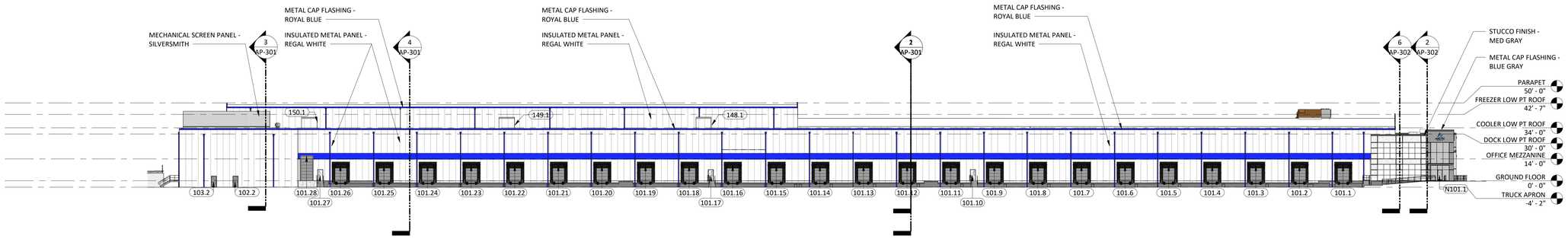
Project No: 19F077
Sheet Size: E1

Sheet Title:
ROOF PLAN

Sheet No:
AP-110

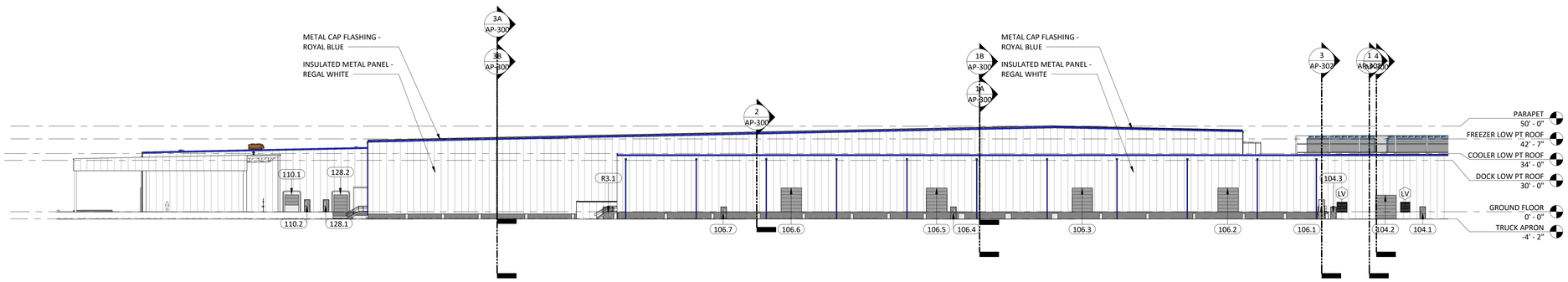
ROOF PLAN 1
1/32" = 1'-0" --

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 3:01:50 PM



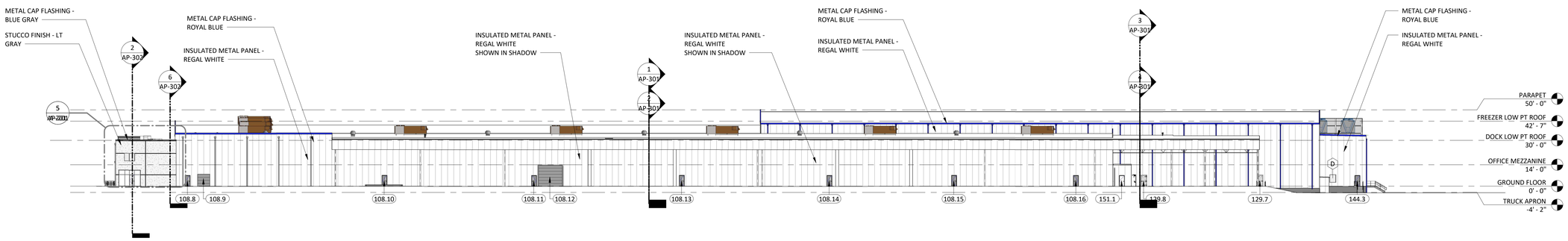
NORTH BUILDING ELEVATION - Dependent 1 | 1

1" = 30'-0" | --



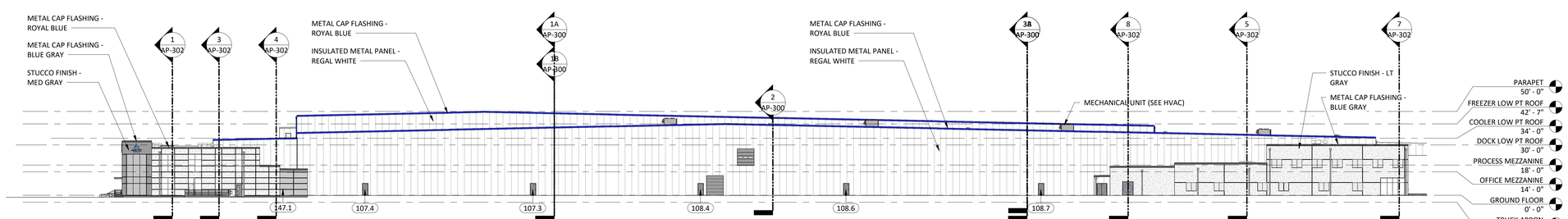
EAST BUILDING ELEVATION - Dependent 1 | 2

1" = 30'-0" | --



SOUTH BUILDING ELEVATION - Dependent 1 | 3

1" = 30'-0" | --



WEST BUILDING ELEVATION - Dependent 1 | 4

1" = 30'-0" | --

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ARCTIC COLD

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OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
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ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT
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Project No:	19F077
Sheet Size:	E1

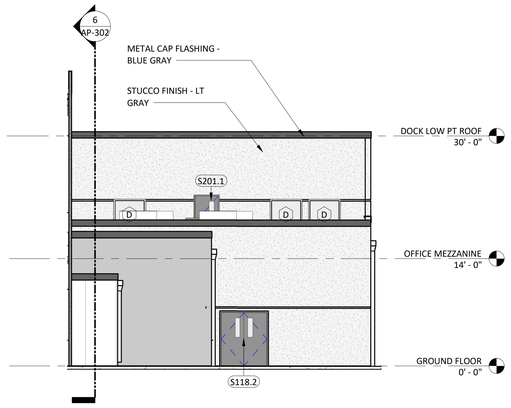
Sheet Title:

EXTERIOR ELEVATIONS

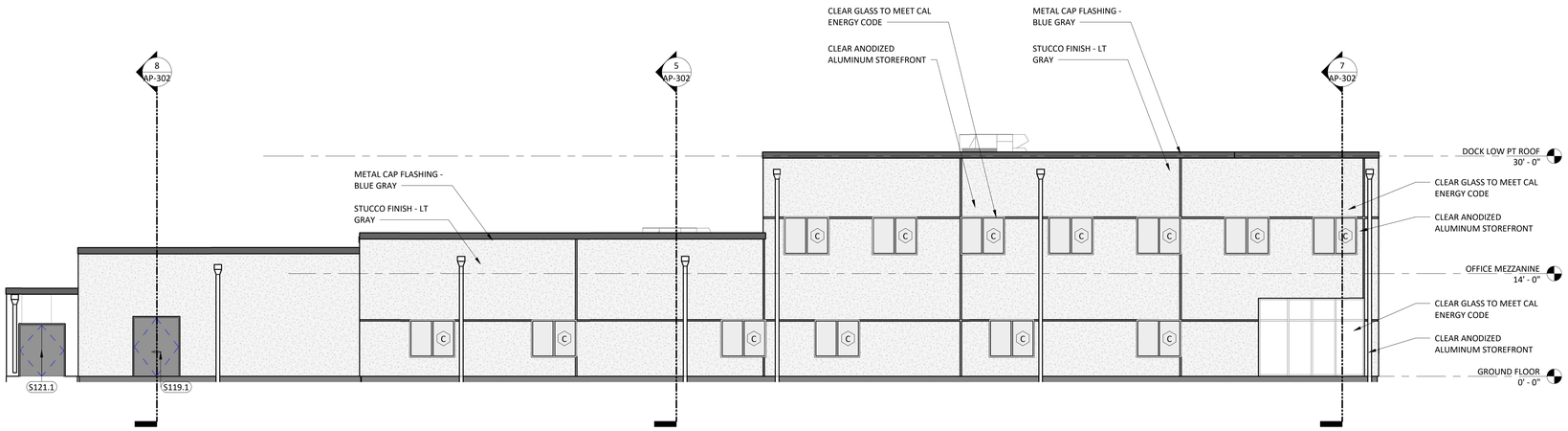
Sheet No:

AP-200

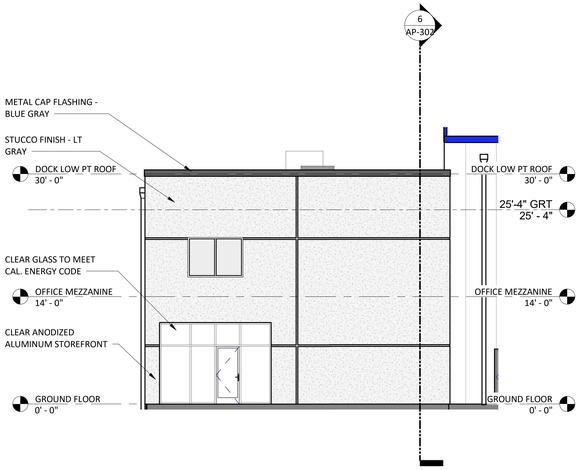
BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 3:02:59 PM



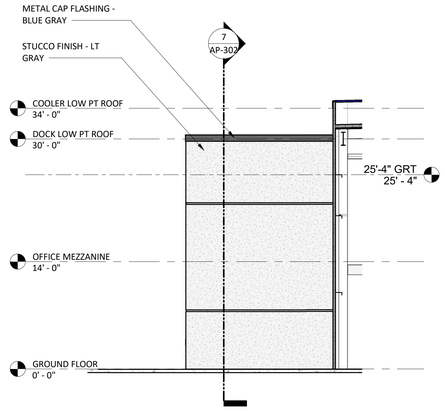
SOUTH OFFICE - NORTH ELEVATION | 7
1/8" = 1'-0" | --



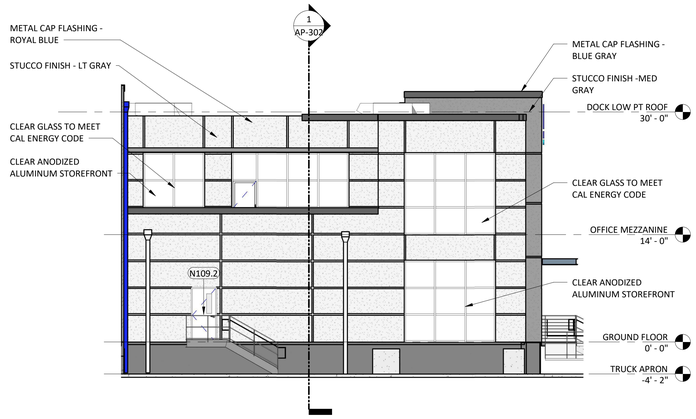
SOUTH OFFICE - WEST ELEVATION | 6
1/8" = 1'-0" | --



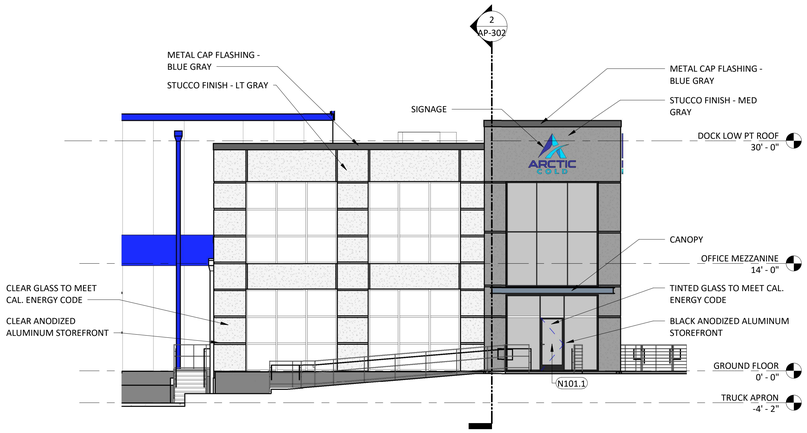
SOUTH OFFICE - SOUTH ELEVATION | 5
1/8" = 1'-0" | --



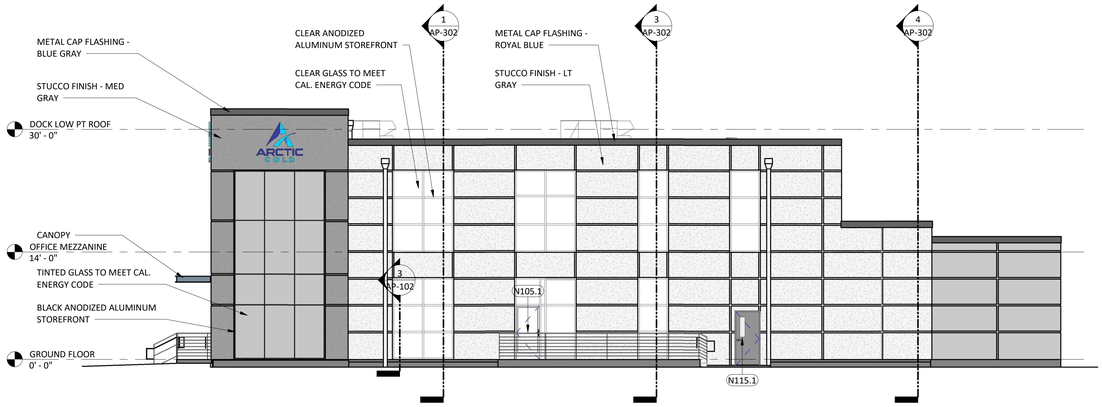
SOUTH OFFICE - EAST ELEVATION | 4
1/8" = 1'-0" | --



NORTH OFFICE - EAST ELEVATION | 3
1/8" = 1'-0" | --



NORTH OFFICE - NORTH ELEVATION | 2
1/8" = 1'-0" | --



NORTH OFFICE - WEST ELEVATION | 1
1/8" = 1'-0" | --

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
REV - AA	2019-11-20
REV - AB	2020-02-10
REV - AC	2020-02-28
REV - AD	2020-04-10
REV - AE	2020-06-05

ASI	DATE

WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
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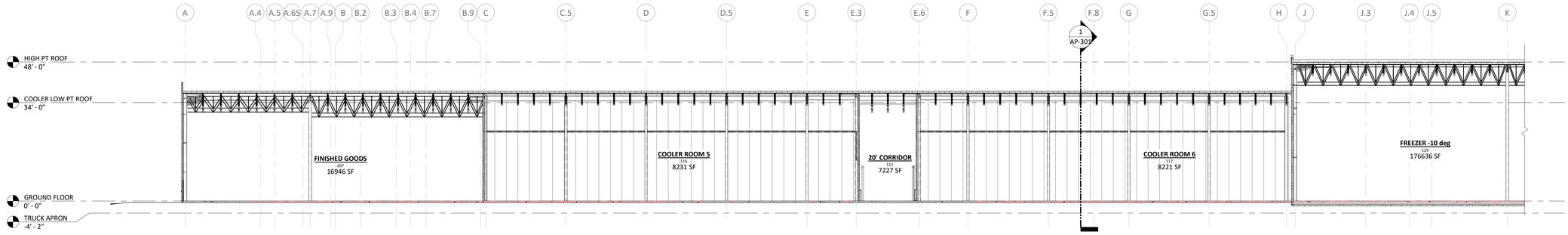
Project No:	19F077
Sheet Size:	E1

Sheet Title:
EXTERIOR ELEVATIONS

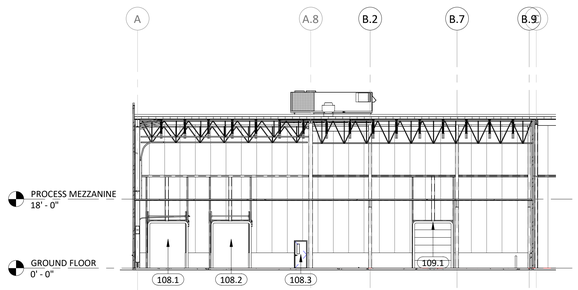
Sheet No:
AP-201

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 3:03:10 PM



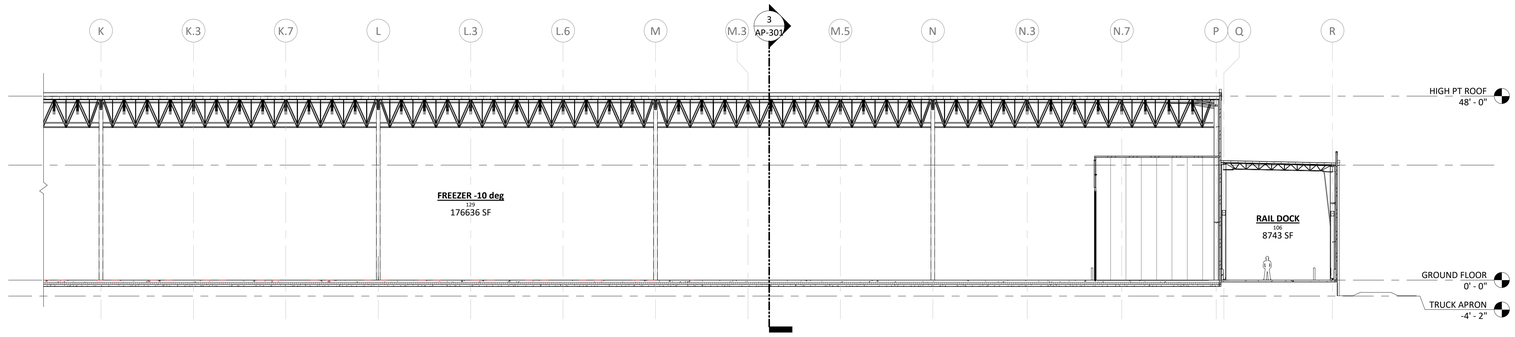
EAST / WEST THRU PROCESSOR TWO-LEFT - Dependent 1 | 1A

1/16" = 1'-0" | --



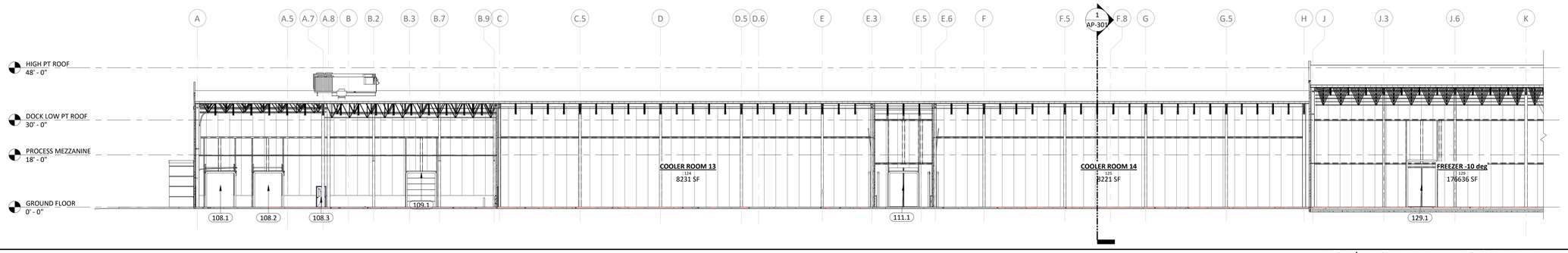
E/W THRU PROCESS MEZZ - Dependent 1 | 2

1/16" = 1'-0" | --



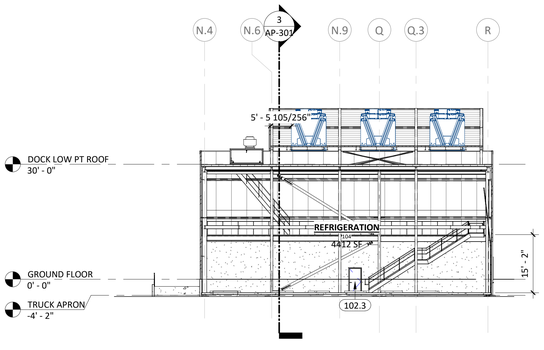
EAST / WEST THRU PROCESSOR TWO-RIGHT - Dependent 1 | 1B

1/16" = 1'-0" | --



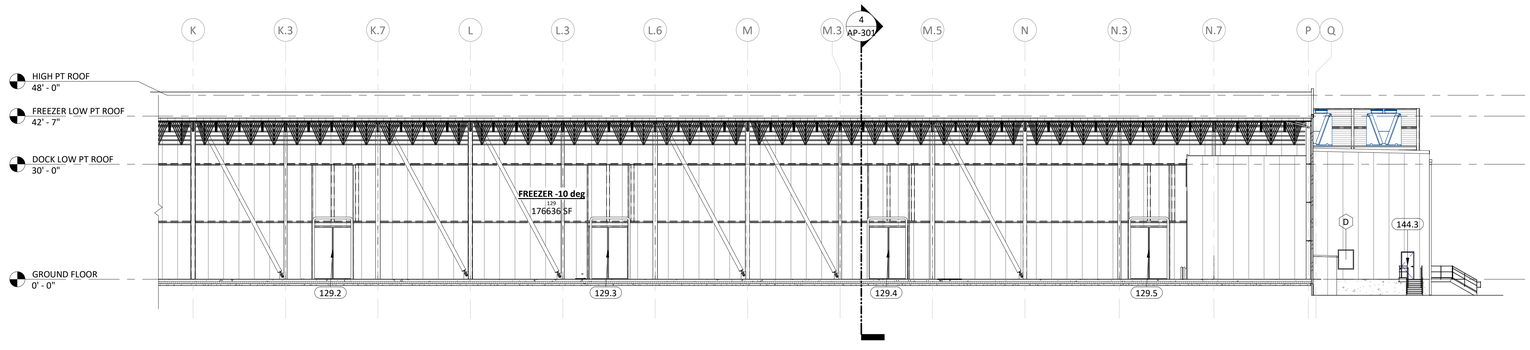
EAST / WEST THRU RAIL DOCK-LEFT - Dependent 1 | 3A

1/16" = 1'-0" | --



E / W THRU ENGINE RM - Dependent 1 | 4

1/16" = 1'-0" | --



EAST / WEST THRU RAIL DOCK-RIGHT - Dependent 1 | 3B

1/16" = 1'-0" | --

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ARCTIC COLD

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OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

REV	DATE
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WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
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Project No:	19F077
Sheet Size:	E1

Sheet Title:

BUILDING SECTIONS

Sheet No:

AP-300

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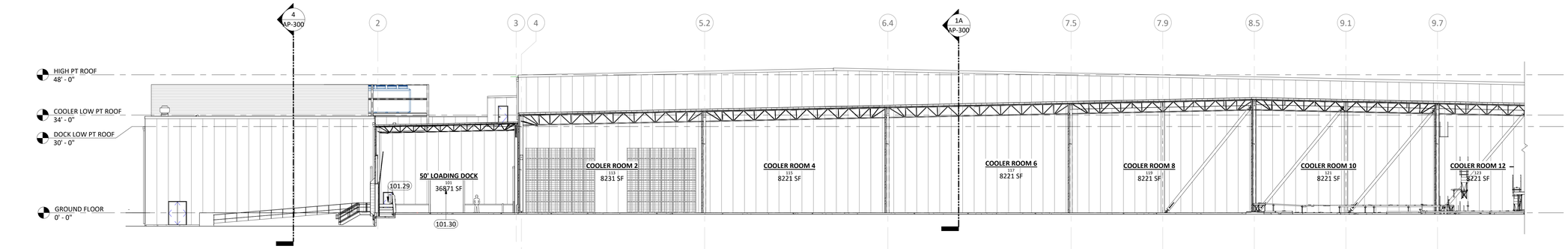
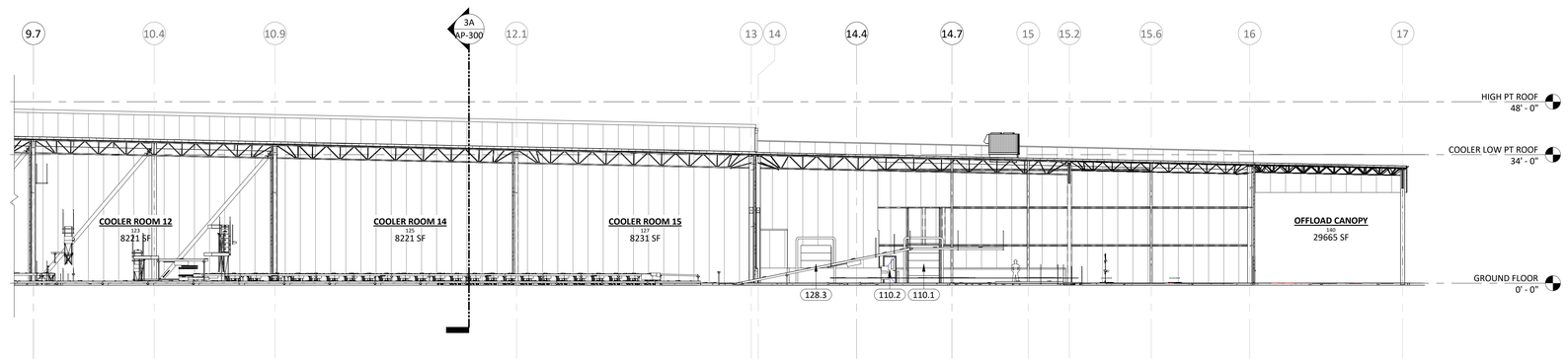
6/5/2020 3:03:45 PM



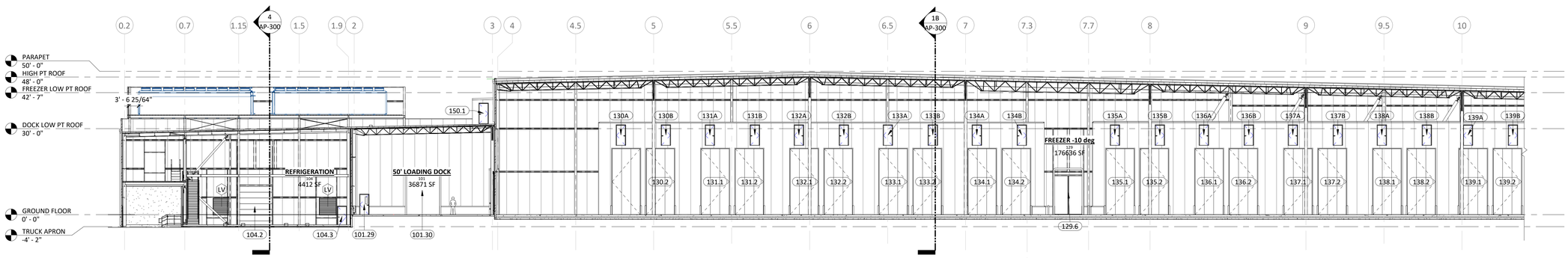
NORTH / SOUTH THRU COOLERS-LEFT | 1

1/16" = 1'-0" | --



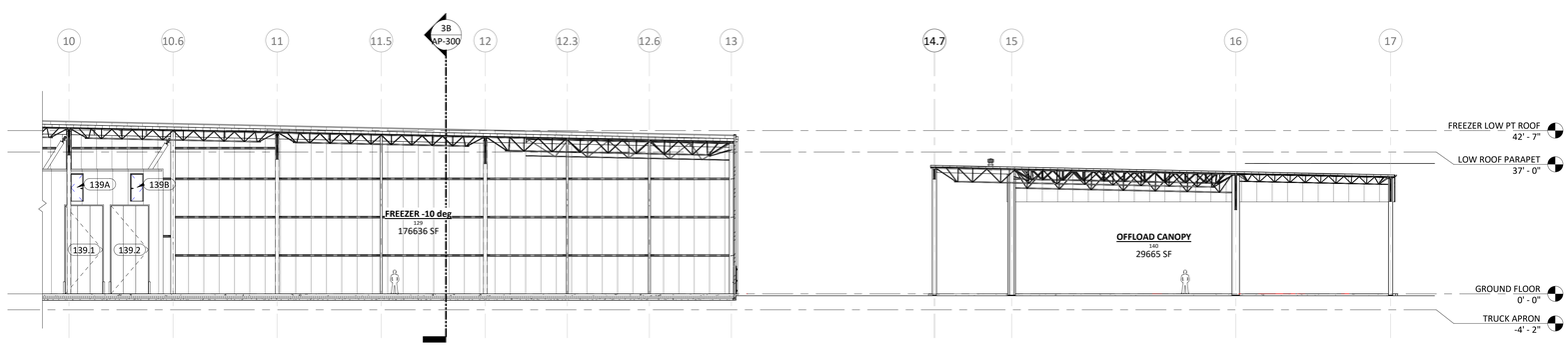
NORTH / SOUTH THRU COOLERS-RIGHT | 2

1/16" = 1'-0" | --



NORTH / SOUTH THRU FREEZER-LEFT | 3

1/16" = 1'-0" | --



NORTH / SOUTH THRU FREEZER-RIGHT | 4

1/16" = 1'-0" | --

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ARCTIC COLD

ARCTIC COLD
OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

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WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
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Project No:	19F077
Sheet Size:	E1

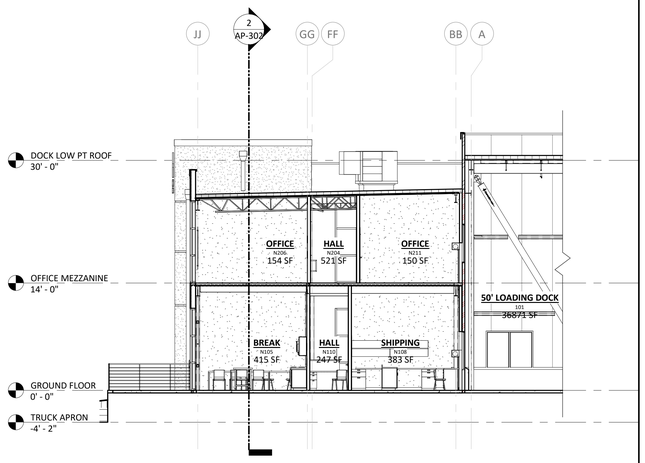
Sheet Title:

BUILDING SECTIONS

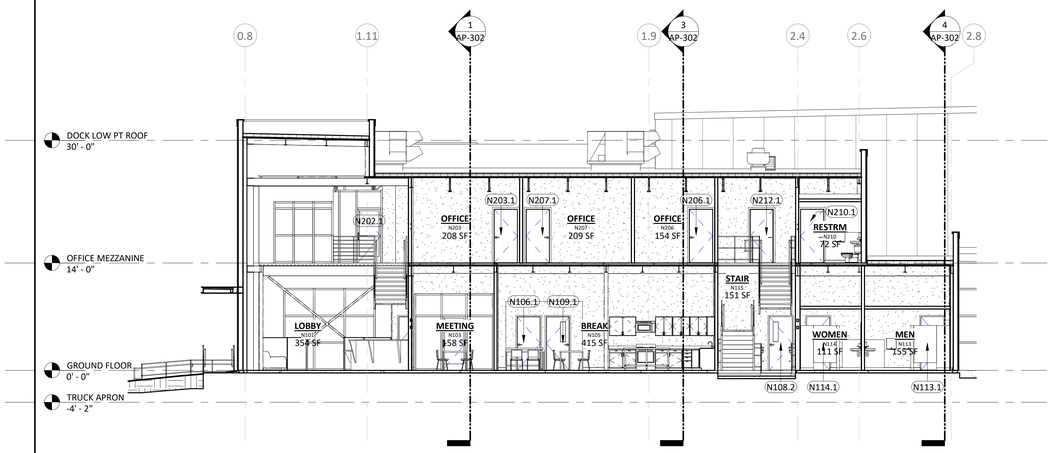
Sheet No:

AP-301

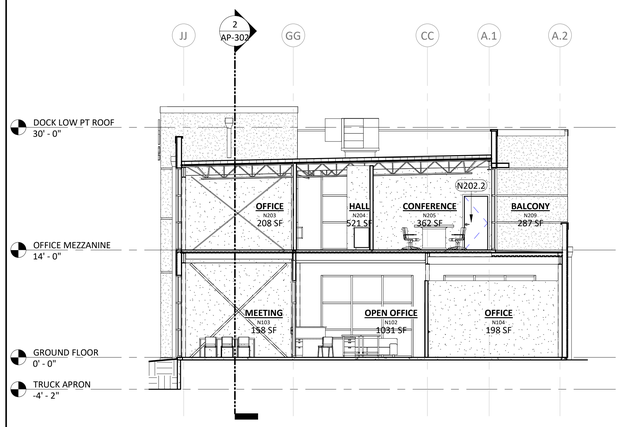
BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 3:04:26 PM



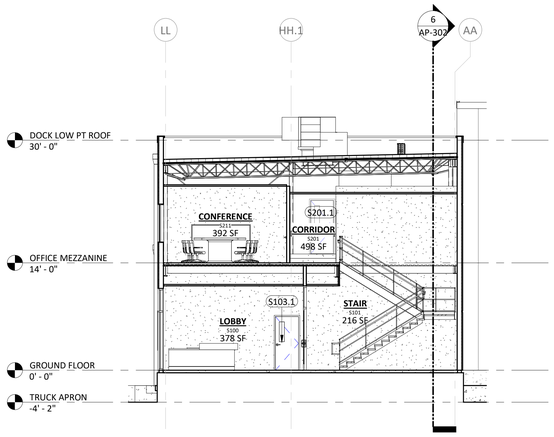
BUILDING SECTION - NORTH OFFICE 3 | 3
1/8" = 1'-0" | --



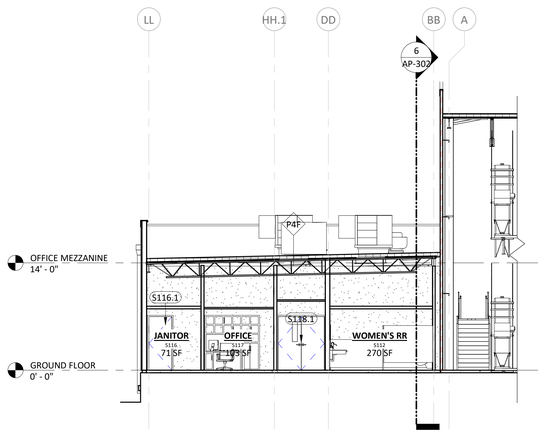
BUILDING SECTION - NORTH OFFICE 2 | 2
1/8" = 1'-0" | --



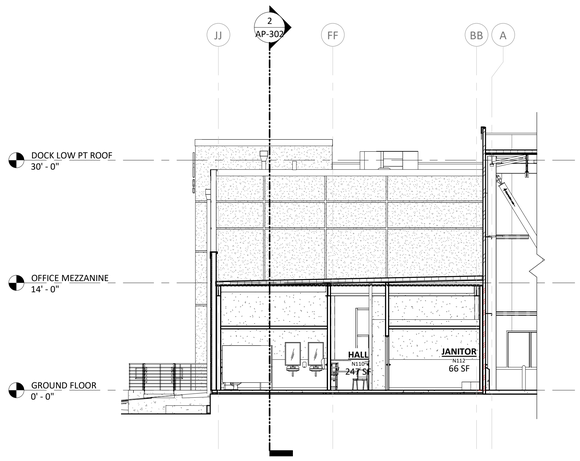
BUILDING SECTION - NORTH OFFICE 1 | 1
1/8" = 1'-0" | --



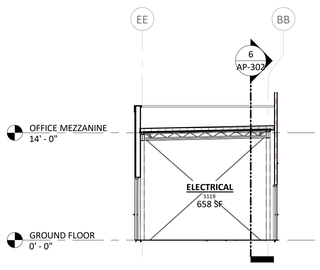
BUILDING SECTION - SOUTH OFFICE 3 | 7
1/8" = 1'-0" | --



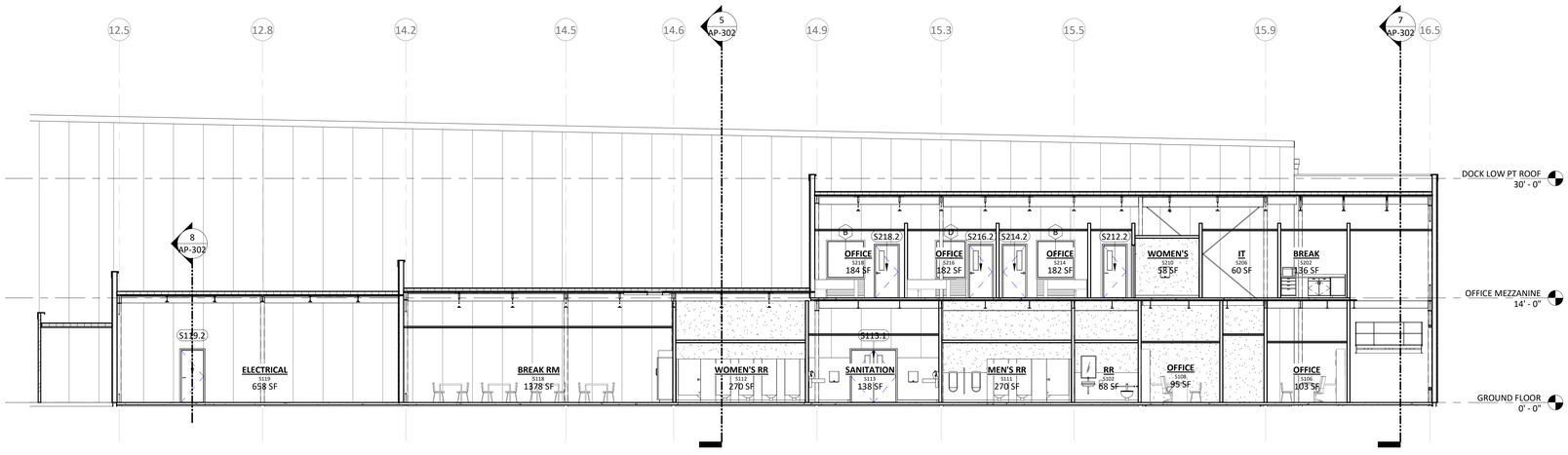
BUILDING SECTION - SOUTH OFFICE 1 | 5
1/8" = 1'-0" | --



BUILDING SECTION - NORTH OFFICE MAINTENANCE | 4
1/8" = 1'-0" | --



BUILDING SECTION - SOUTH OFFICE 4 | 8
1/8" = 1'-0" | --



BUILDING SECTION - SOUTH OFFICE 2 | 6
1/8" = 1'-0" | --

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ARCTIC COLD

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OXNARD, CA

SE CORNER OF RICE AVE AND SAKIOKA DR

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WILLIAM A LANGLEY, AIA ARCHITECT
IN CONSULTATION WITH
FISHER CONSTRUCTION GROUP, INC.

Designed By:	Author
Checked By:	Checker
Project No:	19F077
Sheet Size:	E1

Sheet Title:
BUILDING SECTIONS

Sheet No:
AP-302

BIM 360://Arctic Cold Oxnard/19F077 - Arctic Cold Oxnard Vertical - No 2-A_v20.rvt
6/5/2020 3:05:12 PM

Schedule

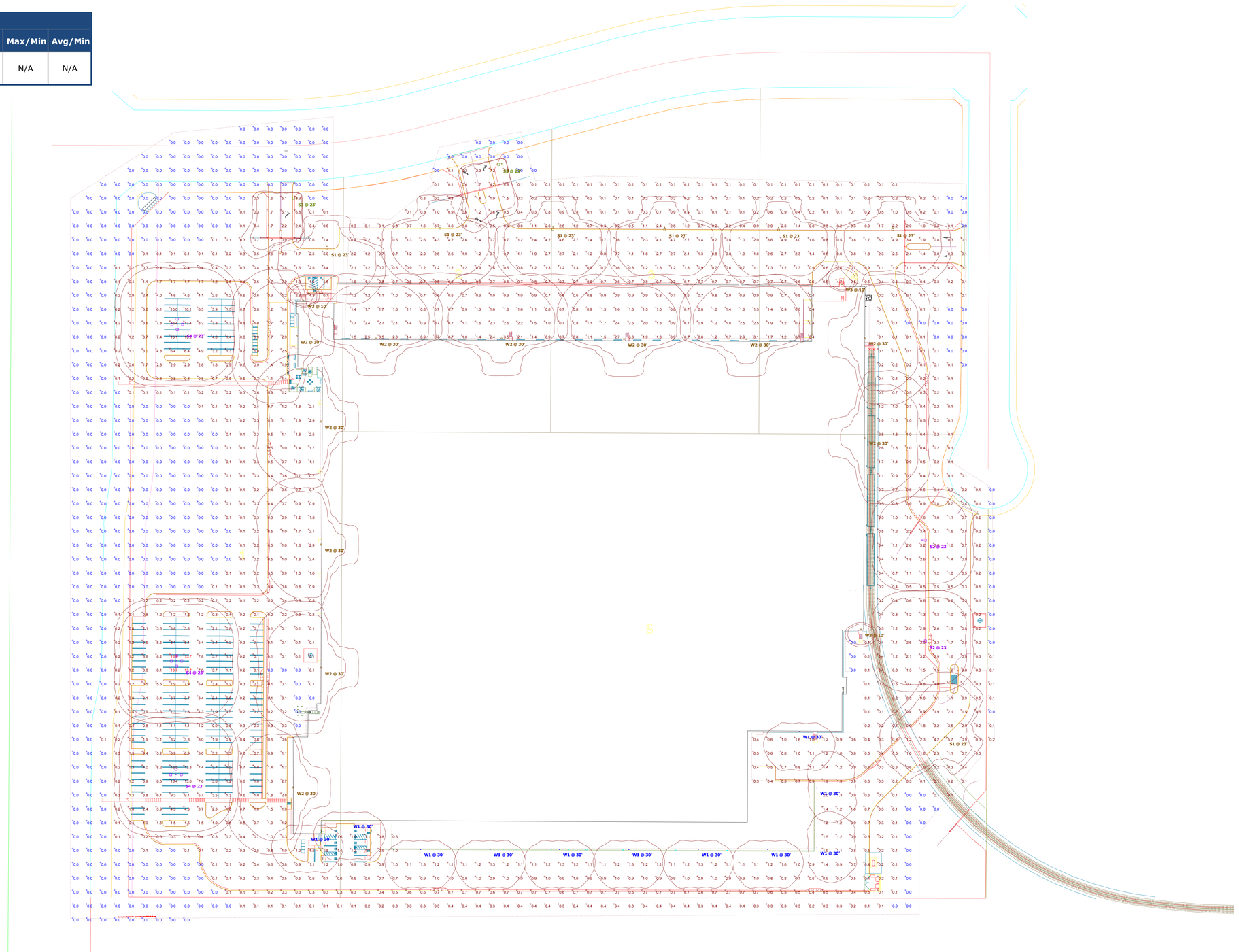
Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiple	LLF	Wattage	Efficiency	Distribution	Polar Plot	Notes
	S1		7	Lithonia Lighting	DSX1 LED P8 40K T4M MVOLT P8PIL DSS30 40KQ200 D1 XX XX AB	DSX1 LED P8 40K T4M MVOLT	LED	1	DSX1_LED_P8_40K_T4M_MVOLT.ies	23740	1	0.95	207	100%	TYPE IV, SHORT, BUG RATING: B3 - U0 - G4	Max: 1391cd	
	S2		2	Lithonia Lighting	DSX1 LED P8 40K T5M MVOLT P8PIL DSS30 40KQ200 D1 XX XX AB	DSX1 LED P8 40K T5M MVOLT	LED	1	DSX1_LED_P8_40K_T5M_MVOLT.ies	25179	1	0.95	207	100%	TYPE VS, BUG RATING: B5 - U0 - G3	Max: 1810cd	
	S3		2	Lithonia Lighting	DSX1 LED P8 40K RCCO MVOLT P8PIL DSS30 40KQ200 D1 XX XX AB	DSX1 LED P8 40K RCCO MVOLT	LED	1	DSX1_LED_P8_40K_RCCO_MVOLT.ies	14795	1	0.95	207	100%	TYPE IV, VERY SHORT, BUG RATING: B2 - U0 - G4	Max: 1408cd	
	S4		3	Lithonia Lighting	DSX1 LED P8 40K T5M MVOLT P8PIL DSS30 40KQ200 D1 XX XX AB	DSX1 LED P8 40K T5M MVOLT	LED	1	DSX1_LED_P8_40K_T5M_MVOLT.ies	25179	1	0.95	828	100%	TYPE VS, BUG RATING: B5 - U0 - G3	Max: 1810cd	
	W1		11	Lithonia Lighting	DSXW2 LED 30C 1000 40K T4M MVOLT	DSXW2 LED WITH 2 LIGHT ENGINES, 30 LEDs, 1000mA DRIVER, 4000K LED, TYPE 4 MEDIUM OPTIC	LED	1	DSXW2_LED_2_0C_1000_40K_T4M_MVOLT.ies	11129	1	0.92	109	100%	TYPE IV, SHORT, BUG RATING: B2 - U0 - G2	Max: 776cd	
	W2		11	Lithonia Lighting	DSX1 LED P8 40K T4M MVOLT WBA P8PIL	DSX1 LED P8 40K T4M MVOLT	LED	1	DSX1_LED_P8_40K_T4M_MVOLT.ies	23740	1	0.95	207	100%	TYPE IV, SHORT, BUG RATING: B3 - U0 - G4	Max: 1391cd	
	W3		3	Lithonia Lighting	WDGE2 LED P35W 40K 80CRI VF	WDGE2 LED WITH P35W - PERFORMANCE PACKAGE, 4000K, 80CRI, VOLUM, COMFORT FORWARD OPTIC		1	WDGE2_LED_P35W_40K_80CRI_VF.ies	3095	1	0.95	22.99	100%	TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G0	Max: 281cd	

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE LIGHTING_060420	+	0.9 fc	13.7 fc	0.0 fc	N/A	N/A

Luminaire Locations

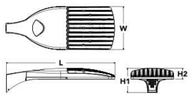
		Location				
No.	Label	X	Y	Z	MH	Orientation
9	S2	1173.70	539.62	23.00	23.00	89.41
1	S3	567.97	1082.01	23.00	23.00	255.49
2	S3	273.14	1032.64	23.00	23.00	268.91
1	S4	98.71	201.81	23.00	23.00	270.00
2	S4	99.48	365.53	23.00	23.00	0.00
5	S4	100.48	850.53	23.00	23.00	0.00
20	S1	479.14	992.33	23.00	23.00	180.00
21	S1	641.81	990.64	23.00	23.00	180.00
22	S1	802.84	990.41	23.00	23.00	180.00
23	S1	966.92	990.02	23.00	23.00	180.00
24	S1	316.25	962.89	23.00	23.00	180.00
25	S1	1131.18	990.73	23.00	23.00	180.00
28	S1	1209.38	253.15	23.00	23.00	312.23
10	S2	1173.70	394.03	23.00	23.00	89.41
1	W1	451.17	93.82	30.00	30.00	180.00
2	W1	348.85	134.98	30.00	30.00	180.00
3	W1	287.98	116.14	30.00	30.00	180.00
4	W1	551.24	93.82	30.00	30.00	180.00
5	W1	651.24	93.82	30.00	30.00	180.00
6	W1	751.24	93.82	30.00	30.00	180.00
7	W1	851.24	93.82	30.00	30.00	180.00
8	W1	951.24	93.82	30.00	30.00	180.00
9	W1	996.83	263.44	30.00	30.00	180.00
1	W3	1085.66	410.97	10.00	10.00	180.00
3	W3	1058.13	908.35	10.00	10.00	0.00
4	W3	282.67	884.59	10.00	10.00	0.00
10	W1	1022.22	182.61	30.00	30.00	86.89
11	W1	1022.22	96.33	30.00	30.00	86.89
29	W2	386.60	829.37	30.00	30.00	0.00
31	W2	567.71	829.37	30.00	30.00	0.00
32	W2	744.21	828.37	30.00	30.00	0.00
33	W2	920.70	828.37	30.00	30.00	0.00
34	W2	1090.88	831.28	30.00	30.00	90.00
35	W2	1090.88	687.54	30.00	30.00	90.00
36	W2	308.62	710.47	30.00	30.00	270.00
37	W2	308.62	532.98	30.00	30.00	270.00
38	W2	308.62	355.73	30.00	30.00	270.00
39	W2	268.36	183.30	30.00	30.00	270.00
40	W2	273.62	833.47	30.00	30.00	270.00

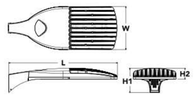


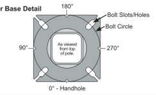
Plan View

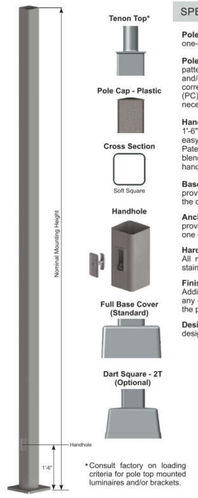
ARTIC COLD STORAGE
OXNARD, CA
SITE PLAN
061220

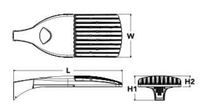
Designer
STEVE DOMINGUEZ
Tel 701-8156
6/15/2015
Scale
Not to Scale
Drawing No.
Summary

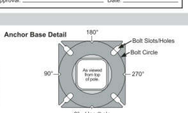












D-Series Size 1

LED Area Luminaire

Catalog Number

Notes

Type

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

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4 P7 P2 P5 P8 P3 P6 P9 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2] LCCO Left corner cutoff[2] RCCO Right corner cutoff[2]	MVOLT[3] 120[4] 208[4] 240[4] 277[4] 347[4] 480[4]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[5] RPUMBA Round pole universal mounting adaptor[5] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[6]

Control options		Other options	Finish (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled[7] PIRHN Network, high/low motion/ambient sensor[8] PER NEMA twist-lock receptacle only (controls ordered separate)[9] PER5 Five-pin receptacle only (controls ordered separate)[9,10] PER7 Seven-pin receptacle only (controls ordered separate)[9,10] DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[11] DS Dual switching[12,13,14]	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[15,16] PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[15,16] PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[15,16] PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[15,16] FAO Field adjustable output[16]	**Shipped installed** HS House-side shield[17] SF Single fuse (120, 277, 347V)[4] DF Double fuse (208, 240, 480V)[4] L90 Left rotated optics[1] R90 Right rotated optics[1] **Shipped separately** BS Bird spikes[18] EGS External glare shield[18]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

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DSX1-LED
Rev. 11/25/19
Page 1 of 8

D-Series Size 1
LED Area Luminaire
EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD
DSX1-LED Rev. 11/25/19 Page 1 of 8

D-Series Size 1
LED Area Luminaire
EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD
DSX1-LED Rev. 11/25/19 Page 1 of 8

D-Series Size 1
LED Area Luminaire
EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD
DSX1-LED Rev. 11/25/19 Page 1 of 8

valmont STRUCTURES

DS330

Fatigue Resistant
Soft Square Steel Post

Job Name:
Job Location - City: State:
Product: DS330 Quote:
Client Name:
Created By: Date:
Customer Approval: Date:

*Consult factory on loading criteria for pole top mounted luminaires and/or brackets.

SPECIFICATIONS

Pole Shaft - The pole shaft is fabricated from hot rolled welded steel tubing of one-piece construction with a minimum yield strength of 55 KSI.

Pole Top – A removable pole cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies. For top mount luminaire and/or bracket consult the factory. Consult the luminaire manufacturer for correct tenon size or drill pattern. Other pole top options include pole cap only (PC) or plain top (PL) which is typical when the pole top diameter matches the necessary slip fit dimensions.

Handhole – A reinforced handhole with grounding provision is provided at 1'-6" from the base end of the pole assembly. Each handhole includes an easy to install, self-contained Swing Latch handhole cover assembly. U.S. Patent Swing Latch cover is fabricated from durable polycarbonate/ABS blend plastic. All pole assemblies are provided with a 2.50" x 5.00" rectangular handhole. Handhole dimensions are nominal.

Base Cover – A two-piece full base cover fabricated from ABS plastic is provided with each pole assembly. Additional base cover options, including the dart square (2T) cast aluminum cover, are available upon request.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Hardware - All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

Finish - Standard finishes are either Galvanized (GV) or Finish Painted (FP). Additional finish options including Finish Paint over Galvanizing (FPGV) or any of the V-PRO™ Finish Coating Systems are available upon request. See the product ordering code for color options.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

SPC7207 12/17 valmontstructures.com carries the most current spec information and supersedes these guidelines

VALMONT INDUSTRIES, INC. 28800 IDA STREET, PO BOX 358 - VALLEY, NE 68064 USA 800.825.6668 VALMONTSTRUCTURES.COM

DS330

Fatigue Resistant
Soft Square Steel Post

valmont STRUCTURES

Job Name:
Job Location - City: State:
Product: DS330 Quote:
Client Name:
Created By: Date:
Customer Approval: Date:

ANCHORAGE DATA

POLE		BASE PLATE				ANCHOR BOLTS		
POLE BASE SQUARE (IN)	WALL THK (GA)	BOLT CIRCLE DIA (IN)	BOLT CIRCLE ± (IN)	SQUARE (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)
4.00	11	8.50	0.50	8.25	0.750	0.75 x 17.00 x 3.00	3.50	0.25
4.00	7	8.50	0.50	8.25	0.875	0.75 x 17.00 x 3.00	3.63	0.25
5.00	11	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75	0.25
5.00	7	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75	0.25
6.00	7	12.00	1.00	12.50	1.000	1.00 x 36.00 x 4.00	4.25	0.25

Anchor Base Detail

DESIGNATION,LOAD AND DIMENSIONAL DATA

	DESIGN INFORMATION						POLE DIMENSIONS[3]				DESIGNATION
	80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST						
NOMINAL MOUNTING HEIGHT	MAX EPA[1] (SQFT)	MAX WEIGHT[1] (LBS)	MAX EPA[1] (SQFT)	MAX WEIGHT[1] (LBS)	MAX EPA[1] (SQFT)	MAX WEIGHT[1] (LBS)	SHAFT BASE SQUARE[3] (IN)	SHAFT TOP SQUARE (IN)	WALL THK (GA)	STRUCTURE WEIGHT[2] (LBS)	
10'-0"	30.6	765	23.8	595	18.9	473	4.00	4.00	11	75	400Q100
12'-0"	24.4	610	18.8	470	14.8	370	4.00	4.00	11	90	400Q120
14'-0"	19.9	498	15.1	378	11.7	293	4.00	4.00	11	100	400Q140
16'-0"	15.9	398	11.8	295	8.9	223	4.00	4.00	11	115	400Q160
18'-0"	12.6	315	9.2	230	6.7	168	4.00	4.00	11	125	400Q180
20'-0"	9.6	240	6.7	167	4.5	150	4.00	4.00	11	140	400Q200
	17.7	443	12.7	343	9.4	235	5.00	5.00	11	185	500Q200
	28.1	703	21.4	535	16.2	405	5.00	5.00	7	265	500W200
25'-0"	4.8	150	2.6	100	1.0	50	4.00	4.00	11	170	400Q250
	10.8	270	7.7	188	5.4	135	4.00	4.00	7	245	400W250
	9.8	245	6.3	157	3.7	150	5.00	5.00	11	225	500Q250
	18.5	463	13.3	333	9.5	238	5.00	5.00	7	360	500W250
30'-0"	6.7	168	4.4	110	2.6	65	4.00	4.00	7	291	400W300
	4.7	150	2.0	50	N/A	N/A	5.00	5.00	11	265	500Q300
	10.7	267	6.7	167	3.9	100	5.00	5.00	7	380	500W300
	19.0	475	13.2	330	9.0	225	6.00	6.00	7	520	600W300
35'-0"	5.9	150	2.5	100	N/A	N/A	5.00	5.00	7	440	500W350
	12.4	310	7.6	190	4.2	105	6.00	6.00	7	540	600W350
40'-0"	7.2	180	3.0	75	N/A	N/A	6.00	6.00	7	605	600W400

1. Maximum EPA (Effective Projected Area) and weight values are based on side mounted fixtures only. Consult factory on loading criteria for pole top mounted luminaires and/or brackets. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
2. Structure weight is a nominal value which includes the pole shaft and base plate only.
3. Belled-bottom will have reduced thickness due to the cold-working process. However, the belled-bottom meets or exceeds the structural capacity of the original square section. In addition, the rounded section provides better fatigue resistance.

PRODUCT ORDERING CODES

MODEL	DESIGNATION	FIXTURE MOUNTING	FINISH SYSTEM	STANDARD COLOR OPTIONS	BASE COVER	ANCHOR BOLTS	SUPPLEMENTAL INFO
DS330	400Q200						
	Select Correct Designation from the Load and Dimensional Data Chart.	**Drill Mounting (See Orientation)** D1 = (1) Drilling @ 270° D2 = (2) Drillings @ 90° & 270° D4 = (4) Drillings @ 0°, 90°, 180°, & 270° D5 = (2) Drillings @ 180° & 270° D6 = (3) Drillings @ 90°, 180°, & 270° **Tenon Mounting** P2 = 2.38" OD x 4" tenon P4 = 4.00" OD x 6" tenon P5 = 2.88" OD x 4" tenon P6 = 2.88" OD x 5" tenon P7 = 2.38" OD x 5" tenon P9 = Special Size (Specify) **Other Options** PC = Pole Cap PL = Plain Top (No Cap)	GV = Galvanized FP = Finish Painted -----OPTIONAL----- FPGV = Finish Paint over Galvanizing VP30 = V-PRO™ 30 System VP32 = V-PRO™ 32 System VP53 = V-PRO™ 53 System VP54 = V-PRO™ 54 System VP57 = V-PRO™ 57 System VP100 = V-PRO™ 100 System VP105 = V-PRO™ 105 System	GV = Galvanized BK = Black DB = Dark Bronze MB = Medium Bronze WH = White LG = Light Gray CB = Bronze DG = Dark Green ST = Sandstone HTG= Hunter Green SG = Slate Gray SL = Silver SC = Special Color (Specify)	FBC = Full Base Cover -----OPTIONAL----- 2T = Square Dart Cover	AB = With Anchor Bolts LAB = Without Anchor Bolts	

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VALMONT INDUSTRIES, INC. 28800 IDA STREET, PO BOX 358 - VALLEY, NE 68064 USA 800.825.6668 VALMONTSTRUCTURES.COM

valmont STRUCTURES
DS330
Fatigue Resistant
Soft Square Steel Post
SPECIFICATIONS
VALMONT INDUSTRIES, INC. 28800 IDA STREET, PO BOX 358 - VALLEY, NE 68064 USA 800.825.6668 VALMONTSTRUCTURES.COM

DS330
Fatigue Resistant
Soft Square Steel Post
valmont STRUCTURES
ANCHORAGE DATA
DESIGNATION,LOAD AND DIMENSIONAL DATA
PRODUCT ORDERING CODES
VALMONT INDUSTRIES, INC. 28800 IDA STREET, PO BOX 358 - VALLEY, NE 68064 USA 800.825.6668 VALMONTSTRUCTURES.COM

ARTIC COLD STORAGE
OXNARD, CA
SITE PLAN
121719

Designer
Michael Blackmon
805-937-8676
Date
XX/XX/2018
Scale
Not to Scale
Drawing No.

Summary

2 of 3

D-Series Size 1

LED Area Luminaire

Catalog Number

Notes

Type

TO FIX: Click Ctrl and Alt keys when Title page is in use, click Ctrl key when Header or Footer is in use.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)

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A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4 P7 P2 P5 P8 P3 P6 P9 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2] LCCO Left corner cutoff[2] RCCO Right corner cutoff[2]	MVOLT[3] 120[3] 208[3] 240[3] 277[3] 347[3] 480[3]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[7] RPUMBA Round pole universal mounting adaptor[7] **Shipped separately** KMAR DDBXD U Mast arm mounting bracket adaptor (specify finish)[7]

Control options	Other options	Finish (required)
Shipped installed **NLTAIR2** nLIGHT AIR generation 2 enabled[7] **PIRHN** Network, high/low motion/ambient sensor[8] **PER** NEMA twist-lock receptacle only (controls ordered separately)[4,9] **PER5** Five-pin receptacle only (controls ordered separately)[4,9] **PER7** Seven-pin receptacle only (controls ordered separately)[4,9] **DMG** 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[7] **DS** Dual switching[12,13,14,15]	**PIR** High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[12,14] **PIRH** High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[12,14] **PIR1FC3V** High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[12,14] **PIRH1FC3V** Hi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[12,14] **FAO** Field adjustable output[16] **Shipped installed** **HS** House-side shield[17] **SF** Single fuse (120, 277, 347V)[7] **DF** Double fuse (208, 240, 480V)[7] **LWR** Left retained optics[7] **RWR** Right retained optics[7] **Shipped separately** **BS** Bird spikes[18] **EGS** External glare shield[18]	**DDBXD** Dark bronze **DBLXD** Black **DNAXD** Natural aluminum **DWHXD** White **DDBTXD** Textured dark bronze **DBLBXD** Textured black **DNATXD** Textured natural aluminum **DWHGXD** Textured white

D-Series Size 1

LED Area Luminaire

Catalog Number

Notes

Type

TO FIX: Click Ctrl and Alt keys when Title page is in use, click Ctrl key when Header or Footer is in use.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4 P7 P2 P5 P8 P3 P6 P9 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2] LCCO Left corner cutoff[2] RCCO Right corner cutoff[2]	MVOLT[3] 120[3] 208[3] 240[3] 277[3] 347[3] 480[3]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[7] RPUMBA Round pole universal mounting adaptor[7] **Shipped separately** KMAR DDBXD U Mast arm mounting bracket adaptor (specify finish)[7]

Control options	Other options	Finish (required)
Shipped installed **NLTAIR2** nLIGHT AIR generation 2 enabled[7] **PIRHN** Network, high/low motion/ambient sensor[8] **PER** NEMA twist-lock receptacle only (controls ordered separately)[4,9] **PER5** Five-pin receptacle only (controls ordered separately)[4,9] **PER7** Seven-pin receptacle only (controls ordered separately)[4,9] **DMG** 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[7] **DS** Dual switching[12,13,14,15]	**PIR** High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[12,14] **PIRH** High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[12,14] **PIR1FC3V** High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[12,14] **PIRH1FC3V** Hi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[12,14] **FAO** Field adjustable output[16] **Shipped installed** **HS** House-side shield[17] **SF** Single fuse (120, 277, 347V)[7] **DF** Double fuse (208, 240, 480V)[7] **LWR** Left retained optics[7] **RWR** Right retained optics[7] **Shipped separately** **BS** Bird spikes[18] **EGS** External glare shield[18]	**DDBXD** Dark bronze **DBLXD** Black **DNAXD** Natural aluminum **DWHXD** White **DDBTXD** Textured dark bronze **DBLBXD** Textured black **DNATXD** Textured natural aluminum **DWHGXD** Textured white

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D-Series Size 1

LED Area Luminaire

Catalog Number

Notes

Type

TO FIX: Click Ctrl and Alt keys when Title page is in use, click Ctrl key when Header or Footer is in use.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4 P7 P2 P5 P8 P3 P6 P9 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2] LCCO Left corner cutoff[2] RCCO Right corner cutoff[2]	MVOLT[3] 120[3] 208[3] 240[3] 277[3] 347[3] 480[3]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[7] RPUMBA Round pole universal mounting adaptor[7] **Shipped separately** KMAR DDBXD U Mast arm mounting bracket adaptor (specify finish)[7]

Control options	Other options	Finish (required)
Shipped installed **NLTAIR2** nLIGHT AIR generation 2 enabled[7] **PIRHN** Network, high/low motion/ambient sensor[8] **PER** NEMA twist-lock receptacle only (controls ordered separately)[4,9] **PER5** Five-pin receptacle only (controls ordered separately)[4,9] **PER7** Seven-pin receptacle only (controls ordered separately)[4,9] **DMG** 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[7] **DS** Dual switching[12,13,14,15]	**PIR** High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[12,14] **PIRH** High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[12,14] **PIR1FC3V** High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[12,14] **PIRH1FC3V** Hi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[12,14] **FAO** Field adjustable output[16] **Shipped installed** **HS** House-side shield[17] **SF** Single fuse (120, 277, 347V)[7] **DF** Double fuse (208, 240, 480V)[7] **LWR** Left retained optics[7] **RWR** Right retained optics[7] **Shipped separately** **BS** Bird spikes[18] **EGS** External glare shield[18]	**DDBXD** Dark bronze **DBLXD** Black **DNAXD** Natural aluminum **DWHXD** White **DDBTXD** Textured dark bronze **DBLBXD** Textured black **DNATXD** Textured natural aluminum **DWHGXD** Textured white

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DSX1-LED
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WST LED

Architectural Wall Sconce

Catalog Number

Notes

Type

TO FIX: Click Ctrl and Alt keys when Title page is in use, click Ctrl key when Header or Footer is in use.

Specifications

Luminaire

Height: 6-1/2" (21.59 cm)

Width: 12" (43.18 cm)

Depth: 10-3/16" (25.9 cm)

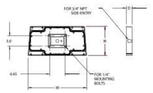
Weight: 20 lbs (9.1 kg)

Optional Back Box (PBBW)

Height: 8.49" (21.56 cm)

Width: 17.01" (43.27 cm)

Depth: 1.70" (4.30 cm)

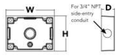


Optional Back Box (BBW)

Height: 4" (10.2 cm)

Width: 5-1/2" (14.0 cm)

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



Capable Luminaire

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

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

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

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED

Series	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT[1] 120[1] 208[1] 240[1] 277[1] 347[1] 480[1]	**Shipped included** (blank) Surface-mounting bracket **Shipped separately** BBW Surface-mounted back box[2] PBBW Premium surface-mounted back box[2]

Options			Finish (required)
NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights[3,6] **NLTAIR2 PIRH** nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights[3,6] **PE** Photoelectric cell, button type[7] **PER** NEMA twist-lock receptacle only (controls ordered separate)[8] **PER5** Five-wire receptacle only (controls ordered separate)[8] **PER7** Seven-wire receptacle only (controls ordered separate)[8] **PIR** Motion/Ambient Light Sensor, 8-15' mounting height[9,6] **PIR1FC3V** Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[10] **PIRH** 180° motion/ambient light sensor, 15-30' mounting height[9,6] **PIRH1FC3V** Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[10] **SF** Single fuse (120, 277, 347V)[1] **DF** Double fuse (208, 240, 480V)[1] **DS** Dual switching[7] **DMG** 0-10V dimming extend out back of housing for external control (control ordered separate)[8] **E7WH** Emergency battery backup, Non CEC compliant (7W)[11]	**E7WC** Emergency battery backup, CA Title 20 Noncompliant (cold, 7W)[11,12] **E7WHR** Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W)[11,16] **E20WH** Emergency battery pack 18W constant power, Certified to CA Title 20 MAID MID[11] **E20WC** Emergency battery pack -20°F, 18W constant power, Certified to CA Title 20 MAID MID[11,12] **E23WHR** Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W)[11,16] **LCE** Left side conduit entry[17] **RCE** Right side conduit entry[17] **Shipped separately** **RBPW** Retrofit back plate[1] **VG** Vandal guard[1] **WG** Wire guard[1]	**DDBXD** Dark bronze **DBLXD** Black **DNAXD** Natural aluminum **DWHXD** White **DSSTXD** Sandstone **DDBTXD** Textured dark bronze **DBLBXD** Textured black **DNATXD** Textured natural aluminum **DWHGXD** Textured white **DSSTXD** Textured sandstone

Accessories

Ordered and shipped separately.

WSTA/PBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Specify fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
3. Also available as a separate accessory; see accessories information.
4. Top conduit entry standard.
5. Not available with VG or WG. See PER Table.
6. Reference Motion Sensor table.
7. Need to specify 120, 208, 240 or 277 voltage.
8. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
9. Not available with Emergency options, PE or PER options.
10. This option not available with standalone or networked sensors/controls.
11. Not available with 347/480V.
12. Battery pack rated for -20° to 40°C.
13. Comes with PBBW.
14. Warranty period is 3 years.
15. Not available with BBW.
16. Must order with fixture; not an accessory.

Emergency Battery Operation

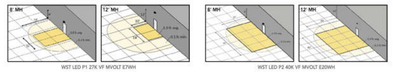
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16.

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH

WST LED P2 40K VF MVOLT E20WH

ARTIC COLD STORAGE
OXNARD, CA
SITE PLAN
121719

Designer
Michael Blackmon
805-937-8676
Date
12/9/2019
Scale
Not to Scale
Drawing No.

Summary