

KEY PLAN

REVISION LIST

#	DATE	ISSUE
01	01/26/22	LAND USE - SITE
01	01/31/22	LAND USE - BAR

DATE: 01/31/22

PROJECT #: 20-291

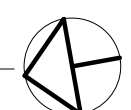
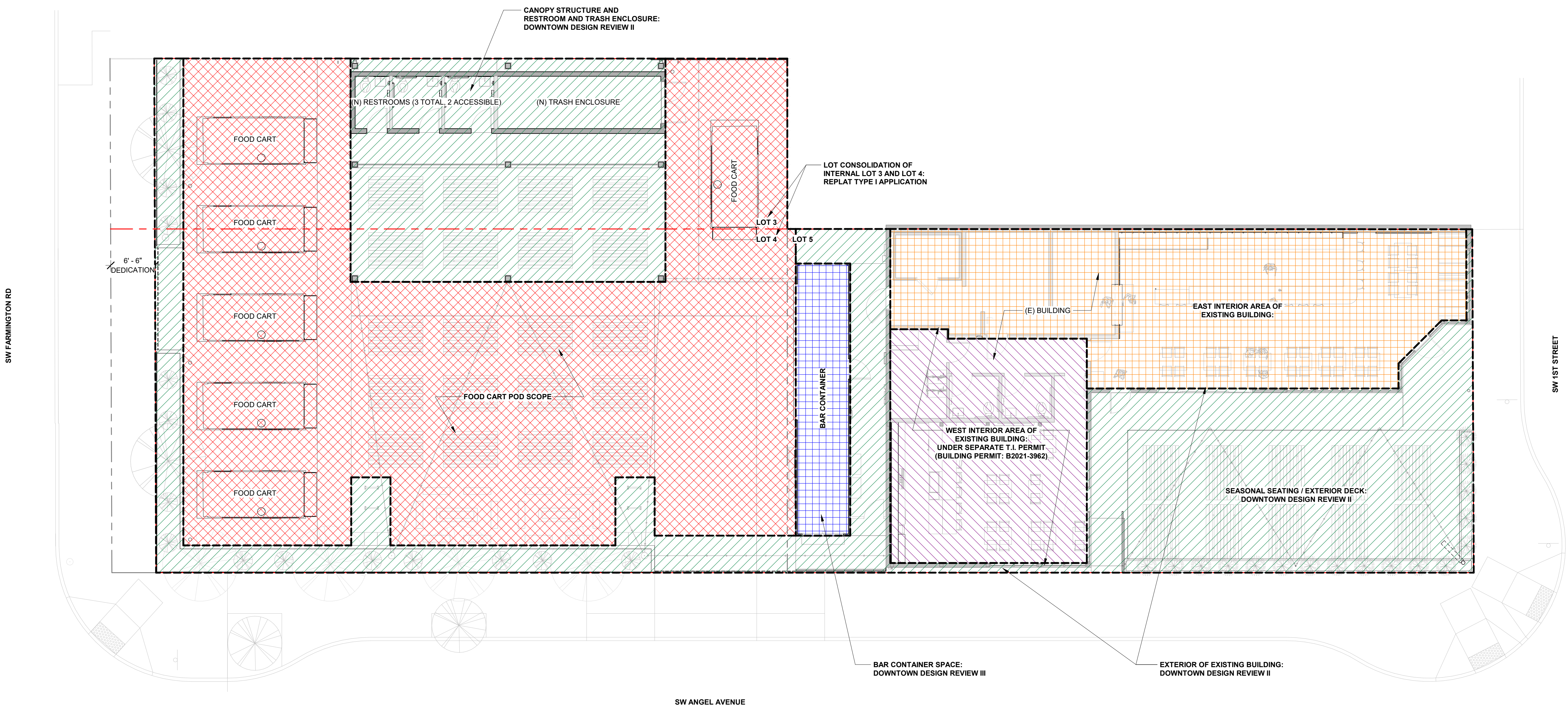
A0.01

SITE PLAN - LAND USE
REVIEW SCOPES

DESIGN DEVELOPMENT

LEGEND - DELINEATION OF REVIEW SCOPES

-  FOOD CART POD
-  SITE - DOWNTOWN DESIGN REVIEW II
-  BAR CONTAINER - DOWNTOWN DESIGN REVIEW III ← UNDER THIS PERMIT
-  EXISTING BUILDING: WEST INTERIOR
-  EXISTING BUILDING: EAST INTERIOR
-  INTERNAL LOT CONSOLIDATION / REPLAT



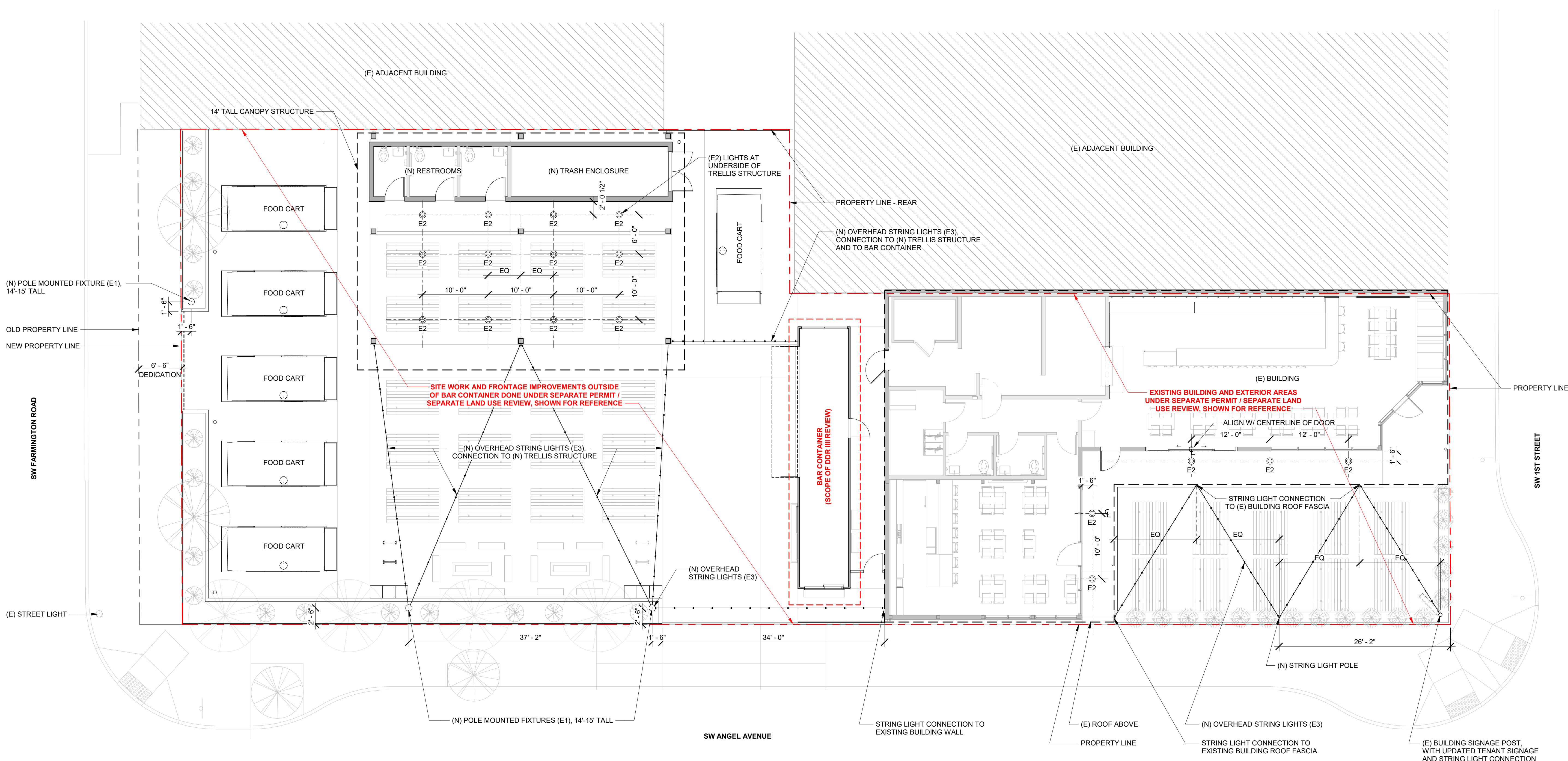
LIGHT FIXTURE SCHEDULE:

DESIGNATION	LOCATION	BRAND & MODEL	FIXTURE TYPE	HEIGHT	FIXT/LIGHT	WATTAGE	LAMP TYPE	FINISH	NOTES
E1	SITE PERIMETER	OMERO MRP LED AREA LUMINAIRE	POST MOUNTED DOWNLIGHT	14' TO 15' TALL POST	1 LUMINAIRE W/42 LEDs	75 - 151 W	LED	BLACK (STANDARD)	- FIXTURE TO HAVE CUTOFF TO PREVENT SPREAD BEYOND PROPERTY LINE. - POLE TO BE PAINTED/FINISHED IN NON-REFLECTIVE COLOR AS REQUIRED BY COB.
E2	UNDER CANOPY, BUILDING SOFFITS	MPT2-RT MONOPOINT SURFACE MOUNT 2-1/2" LED	CEILING MOUNT DOWNLIGHT	VARIES, CEILING MOUNTED	1 LUMINAIRE	9.7 - 15.0 W	LED	BLACK, OR OIL-RUBBED BRONZE (STANDARD)	
E3	THROUGHOUT SITE, (E) BUILDING PATIO	PRIMUS LIGHTING LED DECOSTRING SERIES	STRING LIGHTS	AT SITE EXTERIOR: 11' A.F.G. AT PATIO DECK: 9' - 3" A.F.F., VERIFY WITH FASCIA HEIGHT	LAMPS AT 24" O.C.	1.5 W S14 FILAMENT STYLE FROSTED BULBS	LED	OIL-RUBBED BRONZE (STANDARD)	- STRING LIGHT SYSTEM ON AIRCRAFT CABLE, 6' - 8" MIN CLEAR HEIGHT THROUGHOUT.

NOTES:

1. ALTERNATES CONSIDERED FOR EACH LIGHT FIXTURE TYPE - SCHEDULE SHOWS DESIGN INTENT LIGHT FIXTURES FOR REFERENCE ONLY, FINAL FIXTURES TO BE CONFIRMED.
2. SEE LIGHTING CUTSHEETS FOR ADDITIONAL INFORMATION.

LIGHT FIXTURES UNDER SEPARATE LAND USE PERMIT, SCHEDULE AND CUTSHEETS INCLUDED FOR REFERENCE



1 SITE LIGHTING PLAN
1/8" = 1'-0"

KEY PLAN

REVISION LIST

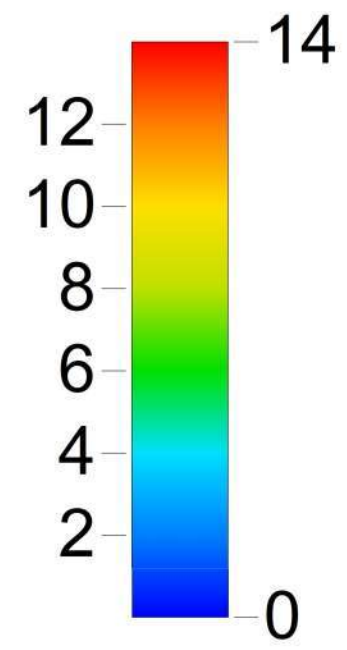
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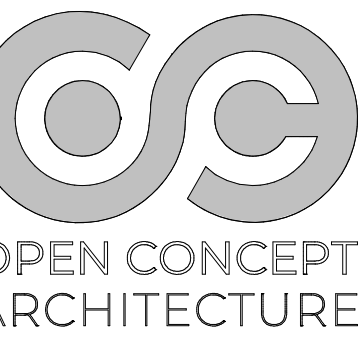
SHEET SIZE: 22" x 34"

Global Illuminance (fc)

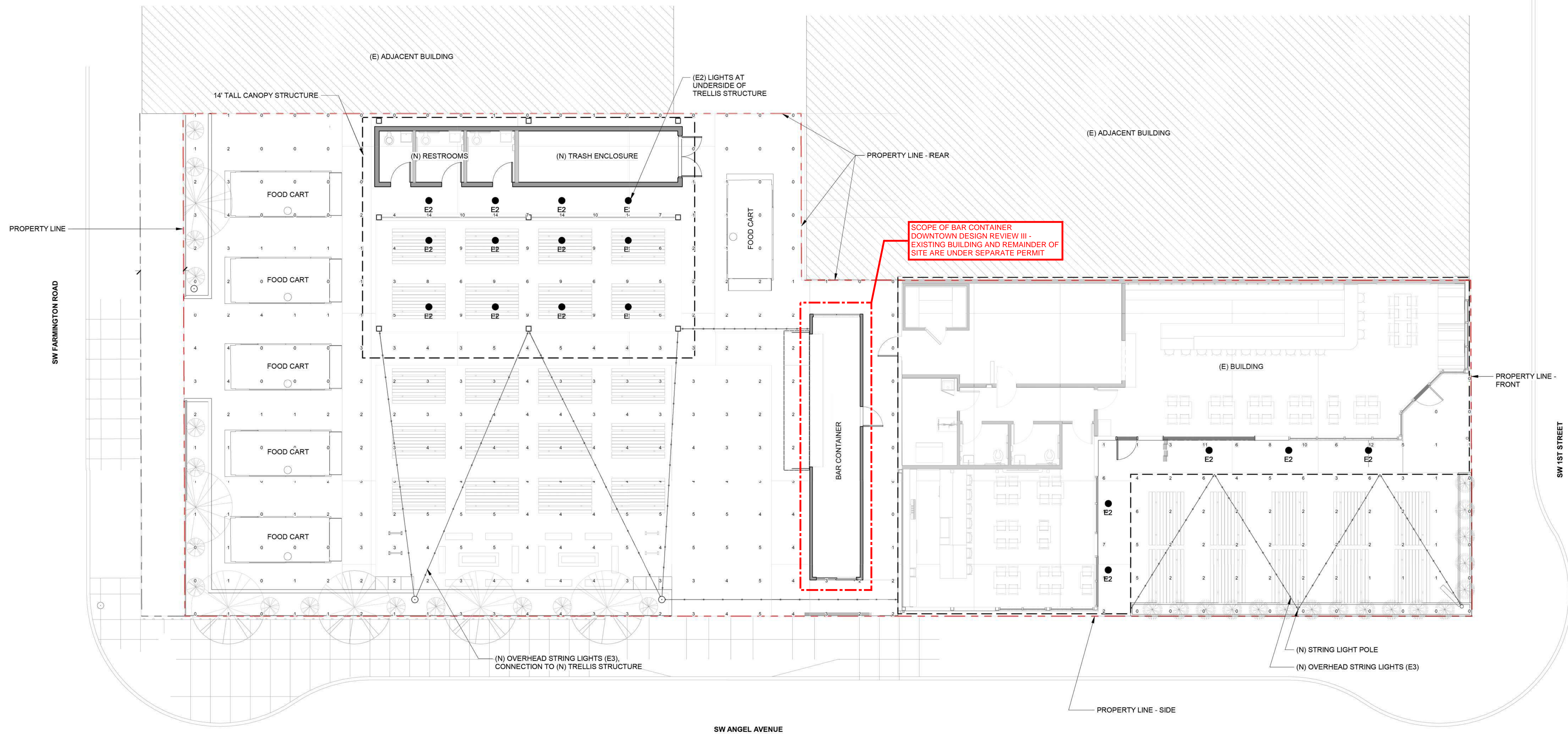


ElumTools
Default
Analysis

NOTE: PHOTOMETRICS SHOWN ON THIS PLAN ARE FOR INTERNAL SITE LIGHTING ONLY (EXTERNAL STREET LIGHTING NOT INCLUDED)



OPEN CONCEPT ARCHITECTURE
201 NW 21ST STREET
PORTLAND, OREGON 97209



BREAKSIDE BREWERY - FARMINGTON

12675 SW 1ST ST.
BEAVERTON, OR 97005

LAND USE - SITE DDR II & FOOD CART POD

KEY PLAN

REVISION LIST

#	DATE	ISSUE
01	01/26/22	LAND USE - SITE
02	01/31/22	LAND USE - BAR

DATE: 01/31/22

PROJECT #: 20-291

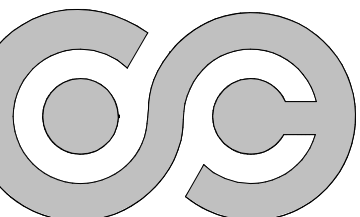
1 SITE LIGHTING PHOTOMETRICS
1/8" = 1'-0"

A0.04

SITE PLAN - SITE LIGHTING PHOTOMETRICS

DESIGN DEVELOPMENT

1/25/2022 8:25:39 PM



OPEN CONCEPT ARCHITECTURE

201 NW 21ST STREET
PORTLAND, OREGON 97209



BREAKSIDE BREWERY - FARMINGTON

12675 SW 1ST ST.
BEAVERTON, OR 97005

LAND USE - BAR CONTAINER

KEY PLAN

REVISION LIST

#	DATE	ISSUE
1	01/31/22	LAND USE - BAR

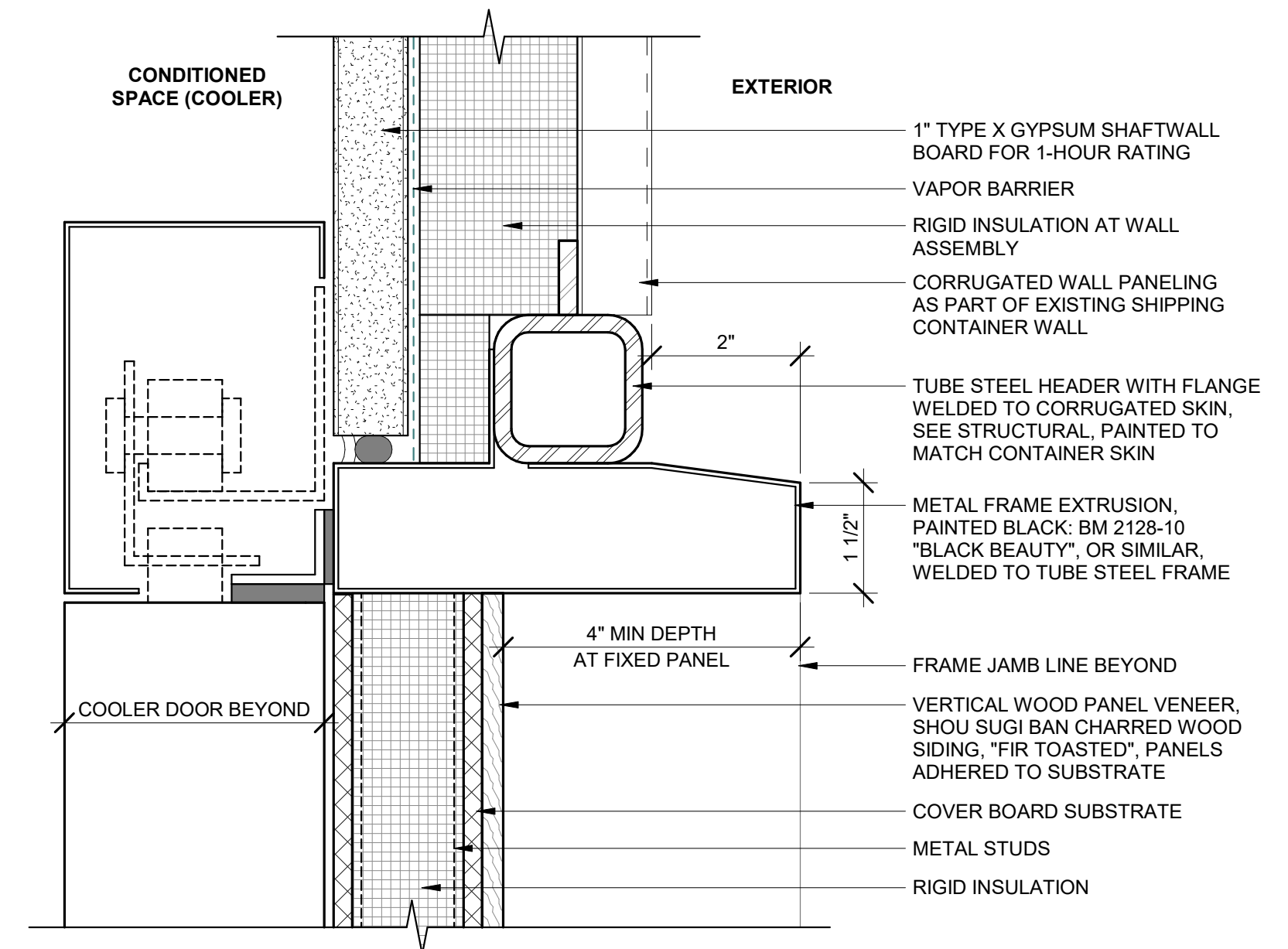
DATE: 01/31/22

PROJECT #: 20-291

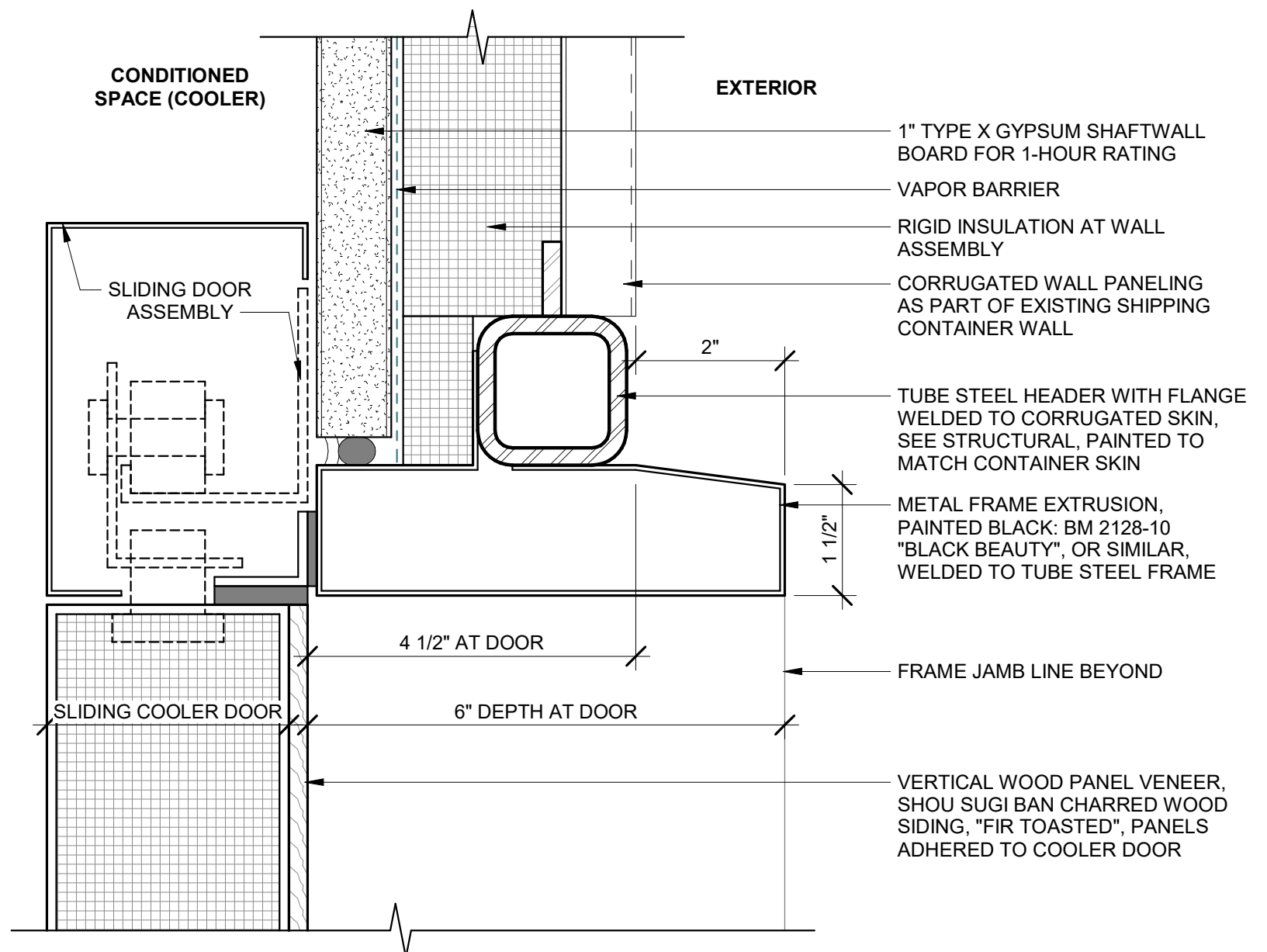
A5.13

ENLARGED PLANS & ELEVATIONS - BAR CONTAINER

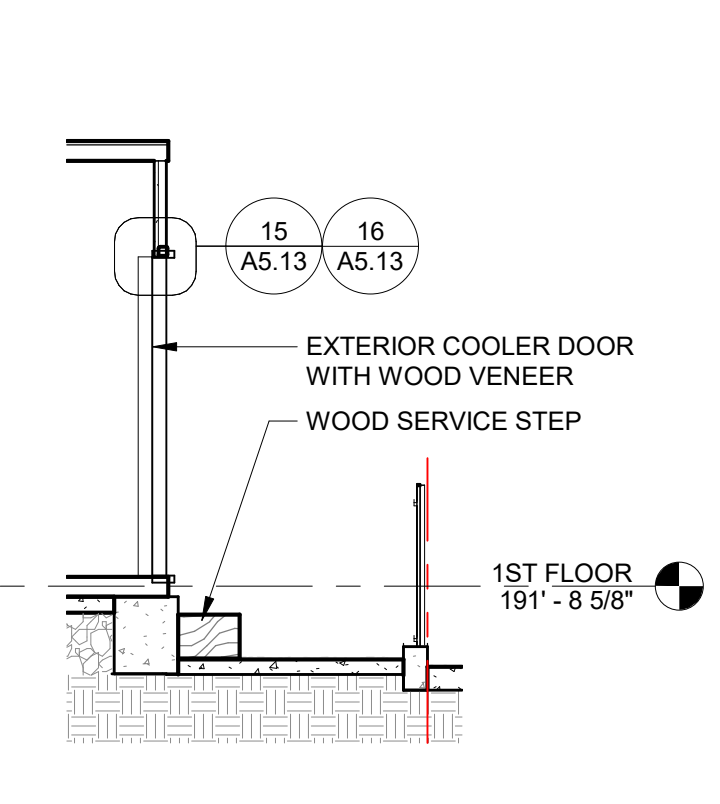
DESIGN DEVELOPMENT



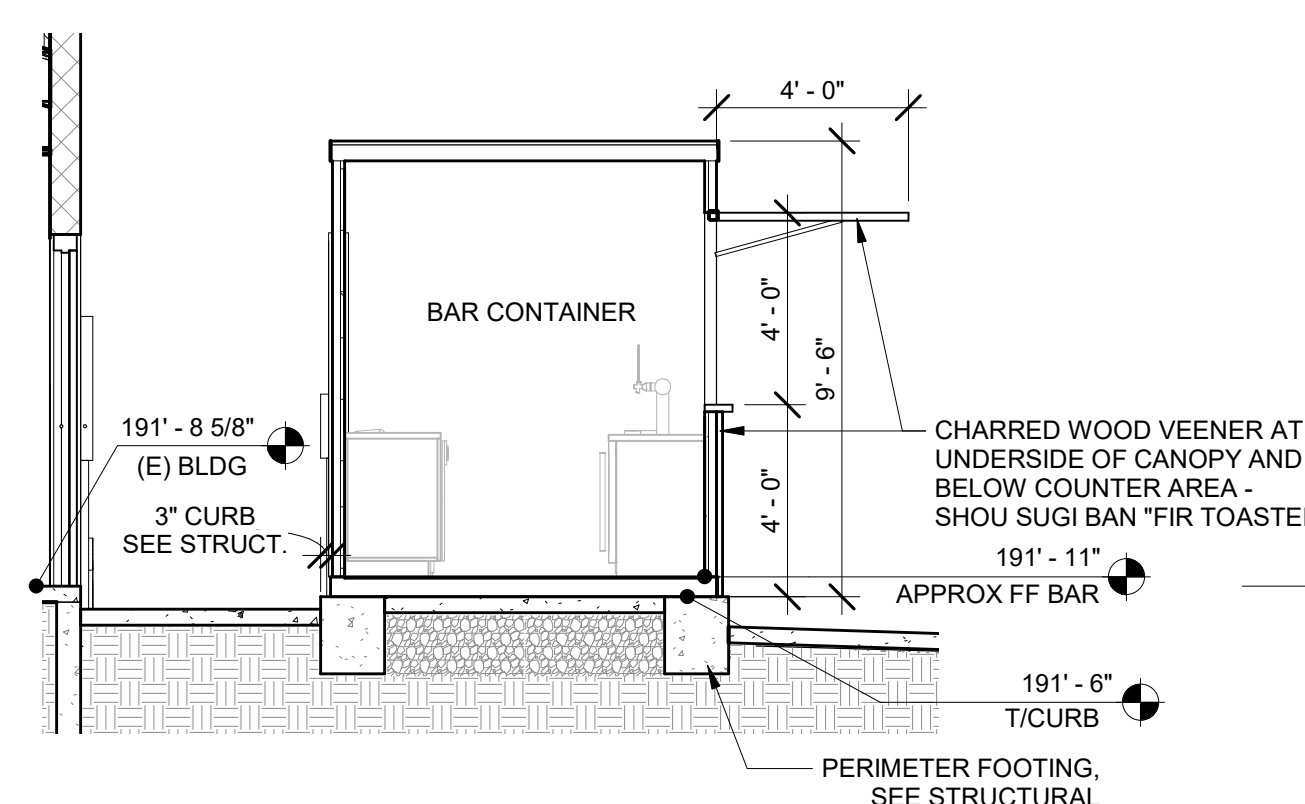
16 EXTERIOR DOOR - HEADER @ PANEL
1/4" = 1'-0"



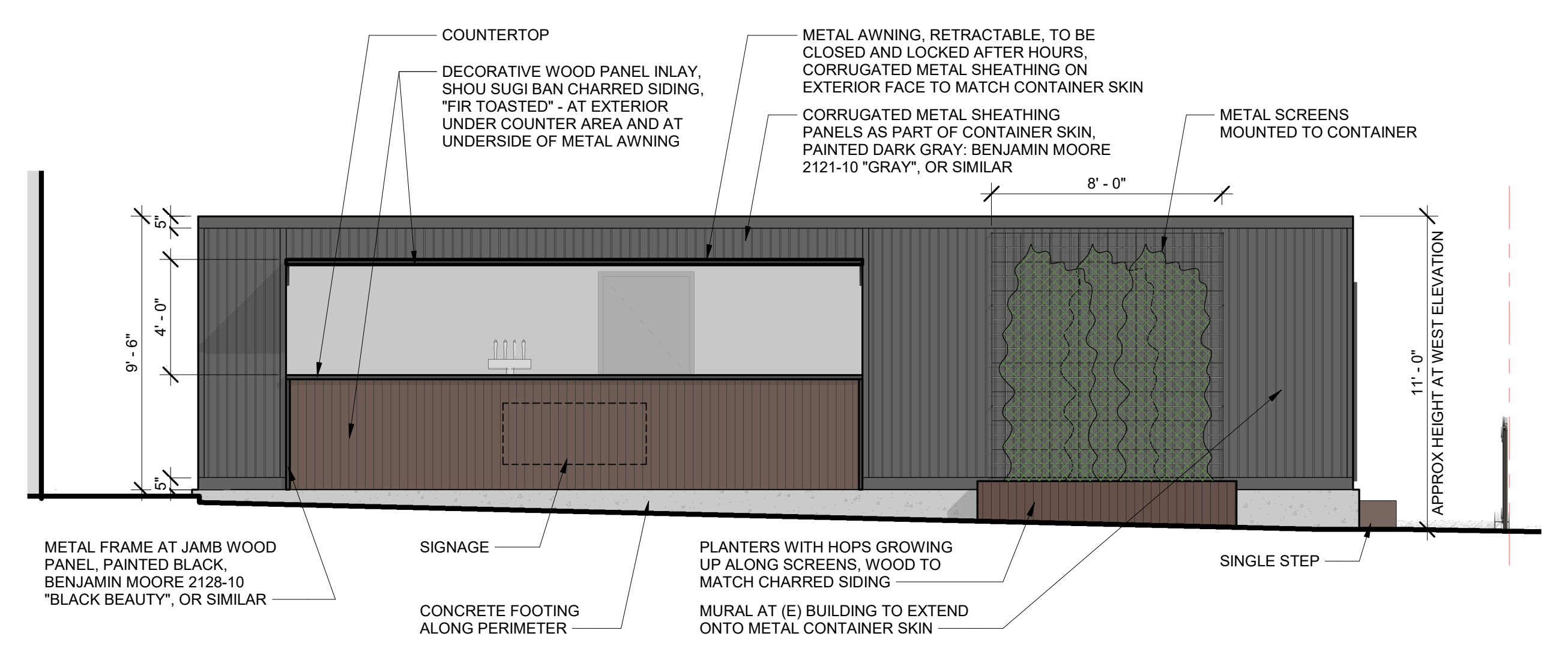
15 EXTERIOR DOOR - HEADER @ DOOR
1/4" = 1'-0"



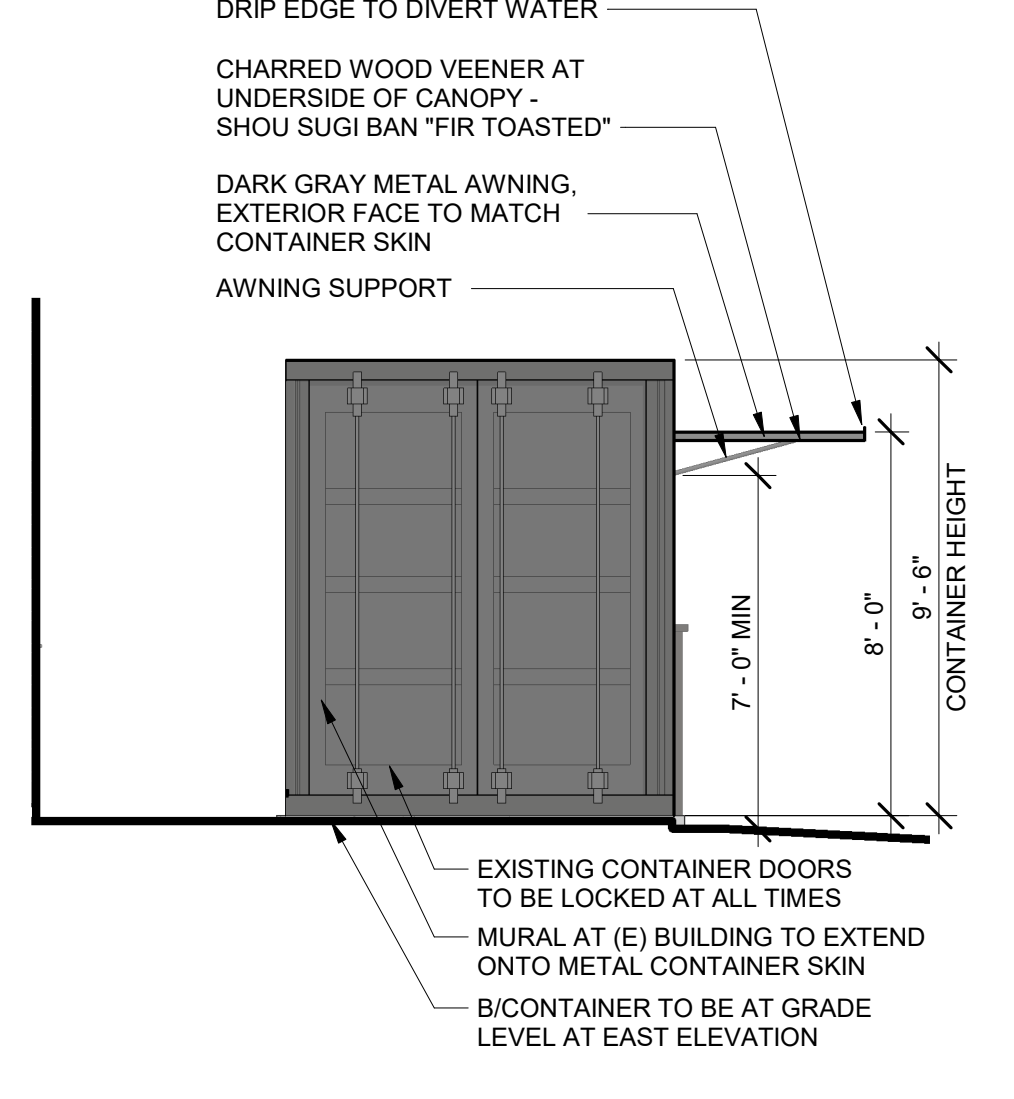
13 BAR CONTAINER SECTION N-S
1/4" = 1'-0"



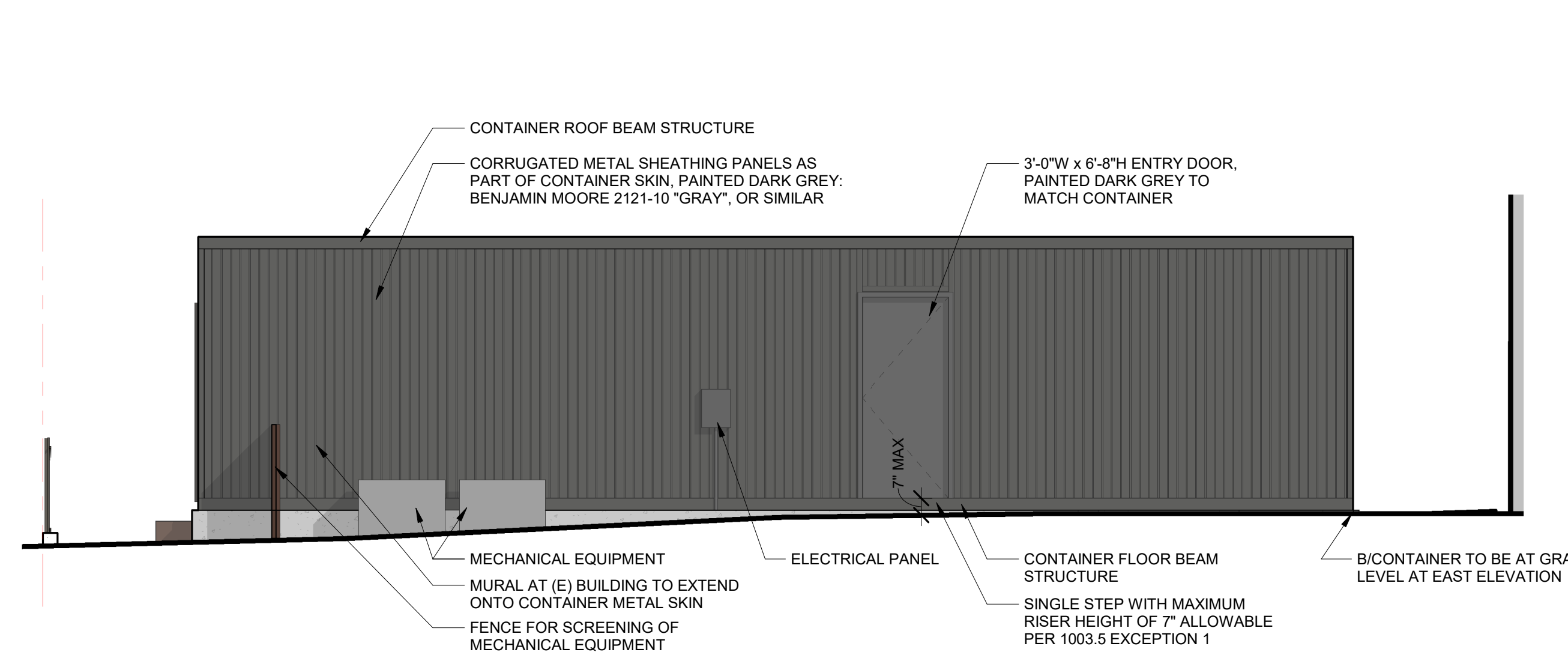
12 BAR CONTAINER SECTION E-W
1/4" = 1'-0"



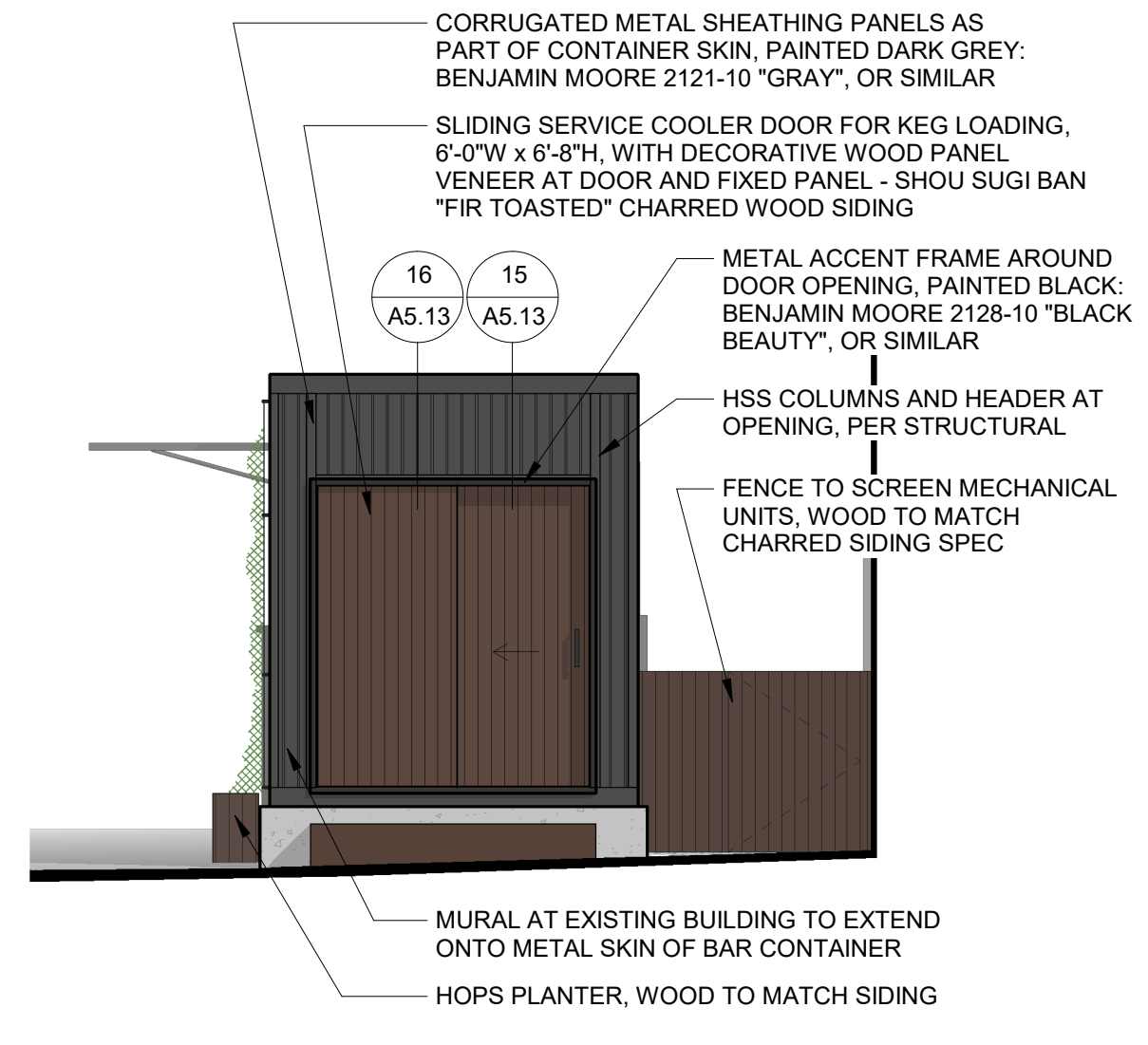
4 BAR CONTAINER - NORTH ELEVATION
1/4" = 1'-0"



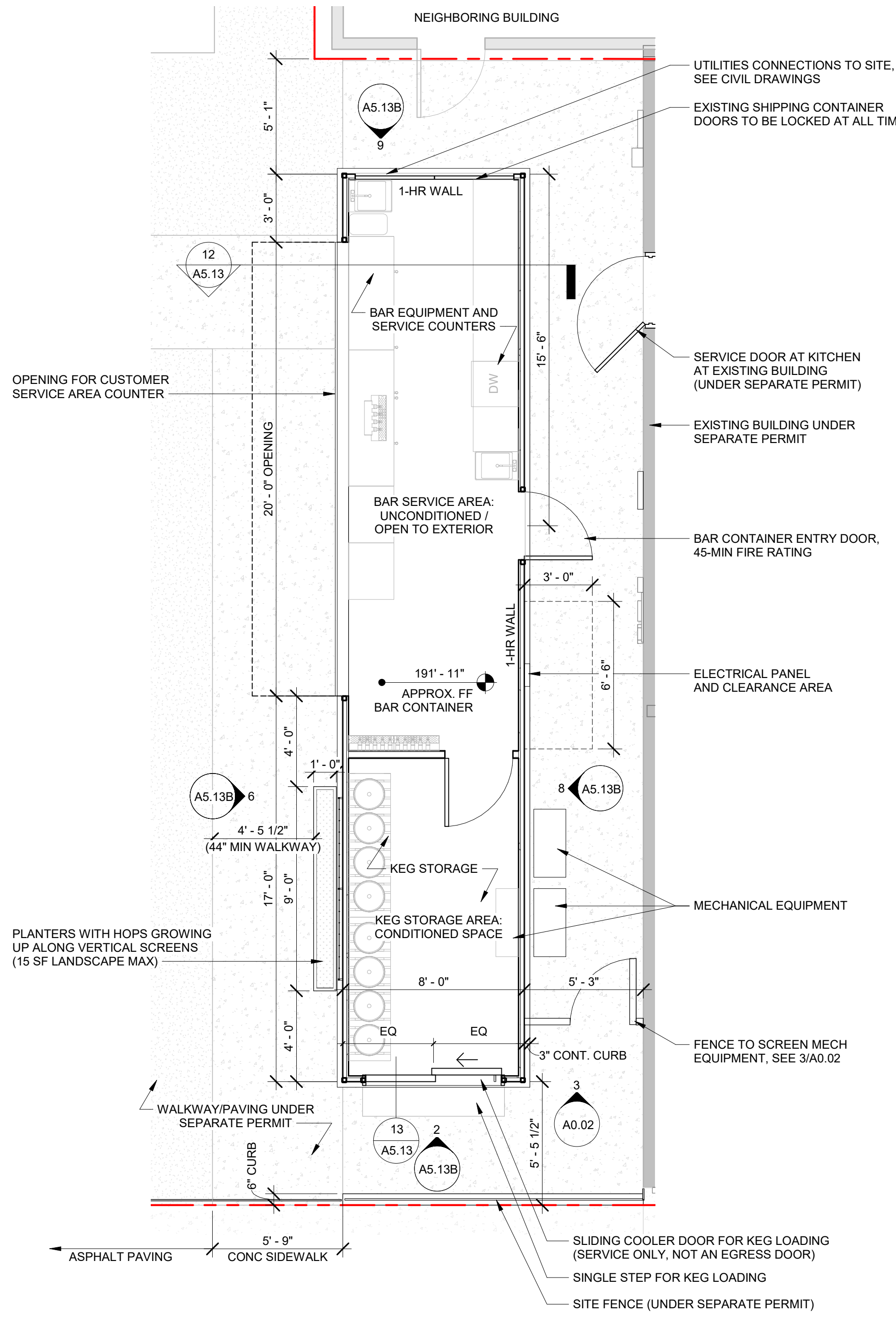
3 BAR CONTAINER - EAST ELEVATION
1/4" = 1'-0"



6 BAR CONTAINER - SOUTH ELEVATION
1/4" = 1'-0"



5 BAR CONTAINER - WEST ELEVATION
1/4" = 1'-0"



1 FLOOR PLAN - BAR CONTAINER
1/4" = 1'-0"

SHEET SIZE: 22" x 34"

3/11/2022 11:14:07 AM

PRELIMINARY
 NOT FOR
 CONSTRUCTION

BREAKSIDE - FARMINGTON
 12675 SW 1ST ST.
 BEAVERTON, OR 97005
 Owner

KEY PLAN

REVISION LIST

NO.	DATE	DESCRIPTION

DATE: 01/26/22

DRAWN: EME

CHECKED: EME

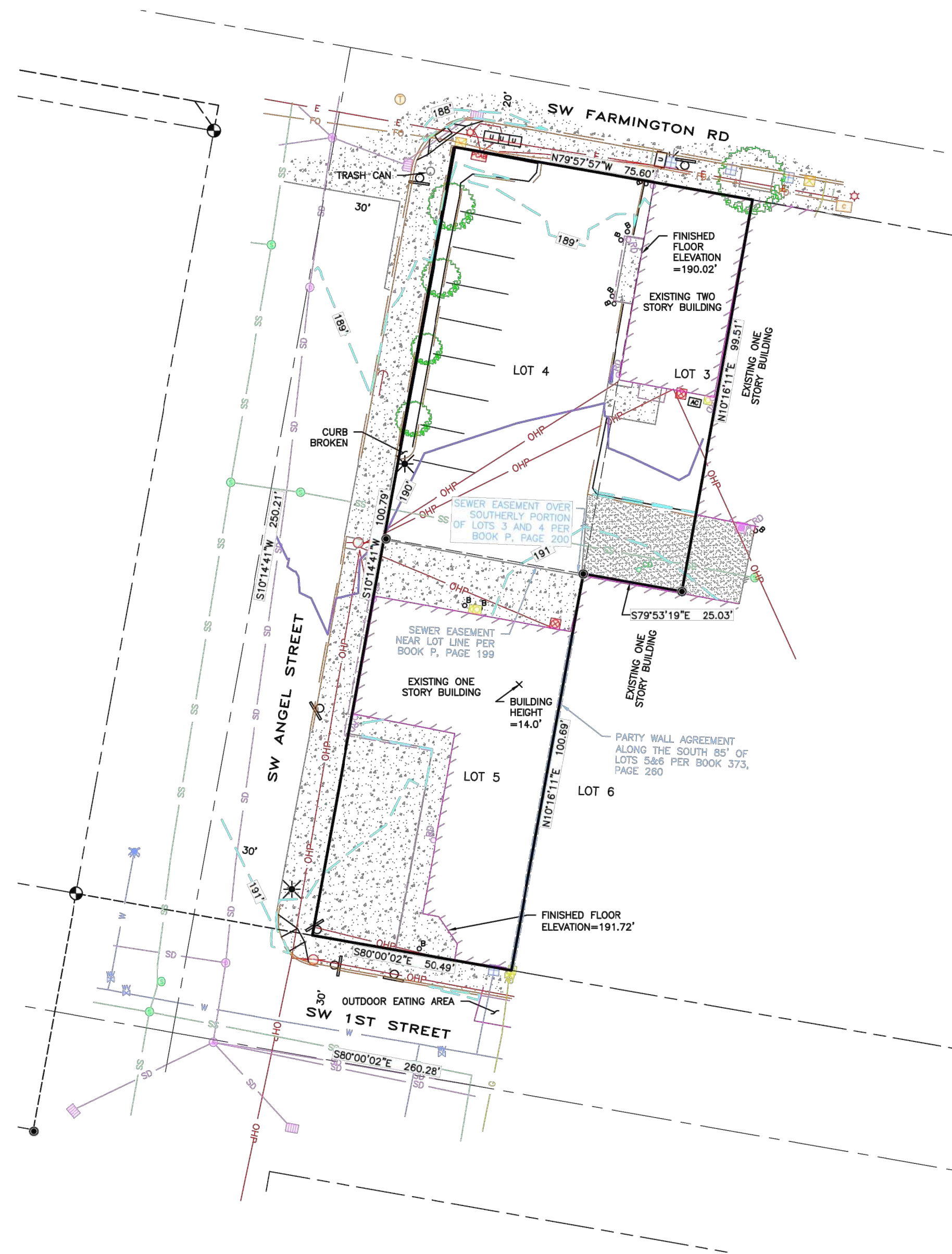
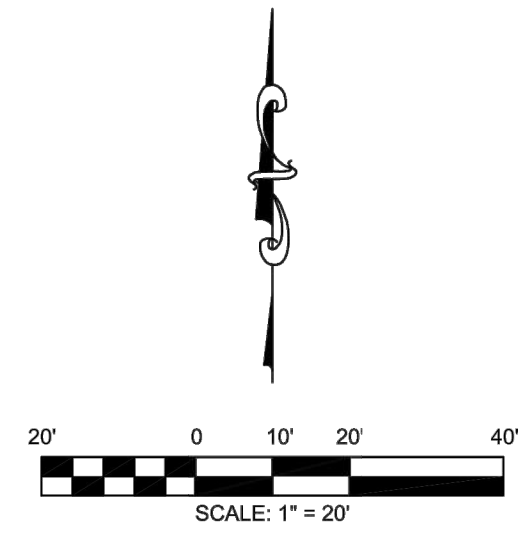
PROJECT #: 21-C012

C01.0

EXISTING CONDITIONS

DESIGN REVIEW

TOPOGRAPHIC SURVEY
 LOCATED IN THE NORTHEAST 1/4 OF SECTION 16,
 TOWNSHIP 1 SOUTH, RANGE 1 WEST OF THE WILLAMETTE
 MERIDIAN, CITY OF BEAVERTON, WASHINGTON COUNTY, OREGON



LEGEND:

	BUILDING		SIGN
	BUILDING OVERHANG		A/C UNIT
	BUILDING DECK		BOLLARD
	PARKING STRIPES		TREE - DECIDUOUS
	FLOW LINE CURB		POWER METER
	EXTRUDED CURB		POWER POLE
	STANDARD CURB		LIGHT-LAMP POST
	EDGE OF PAVEMENT		GUY ANCHOR
	EDGE OF CONCRETE		POWER CABINET
	EDGE OF GRAVEL		SANITARY SEWER CLEANOUT
	WATER		SANITARY SEWER MANHOLE
	STORM SEWER		STORM AREA DRAIN
	GAS		STORM CATCH BASIN
	ELECTRIC		STORM MANHOLE
	OVERHEAD POWER		STORM ROOF DRAIN
	SANITARY SEWER		GAS VALVE
	FIBER OPTIC		GAS METER
	BUILDING HATCH		TELEPHONE MANHOLE
	CONCRETE HATCH		COMMUNICATION VAULT
	GRAVEL HATCH		UNKNOWN VAULT
	MAJOR CONTOUR		
	MINOR CONTOUR		

NOTES:

- THE LOCATION OF EXISTING UNDERGROUND UTILITY FACILITIES SHOWN HEREON ARE BASED ON LOCATE MARKS REQUESTED FOR THIS SURVEY PER ONE CALL PUBLIC LOCATE TICKET 21030741. THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES BY THE RESPECTIVE UTILITY OWNERS, NOR FOR THE EXISTENCE OF BURIED OBJECTS WHICH ARE NOT SHOWN ON THE PLAN. ALL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- FIELD WORK WAS COMPLETED ON FEBRUARY 18, 2021.

HORIZONTAL DATUM (BASIS OF BEARINGS):

OREGON NORTH STATE PLANE COORDINATE SYSTEM NAD 83 (2011)
 BASED ON GPS OBSERVATIONS
 DISTANCES SHOWN HEREON ARE GROUND DISTANCES, INTERNATIONAL FEET.

VERTICAL DATUM:

BASED ON WASHINGTON COUNTY BENCHMARK (BM) 386, WITH AN ELEVATION OF 176.875 FEET. A BRASS DISK MARKED "G 653 1973" BM SET ON CANYON ROAD 0.4 MILES WEST OF HWY 217 BETWEEN S.W. LOMBARD AVE. & S.W. 117TH AVE. ON SOUTHEAST CORNER OF AN 8' X 8' CONCRETE BOX CULVERT 5 FEET SOUTH OF CURBLINE OF S.W. CANYON RD. EAST SIDE OF BEAVERTON CREEK AT SOUTHSIDE OF GUARD RAIL.

UTILITY NOTE:

THE LOCATION OF EXISTING UNDERGROUND UTILITY FACILITIES SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS BETWEEN UTILITY STRUCTURES WITHIN THE PROJECT AREA. THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES BY THE RESPECTIVE UTILITY OWNERS/BUILDERS, NOR FOR THE EXISTENCE OF BURIED OBJECTS WHICH ARE NOT SHOWN ON THE PLAN. DUE TO THE HAZARDOUS NATURE AND APPLICABLE OSHA REQUIREMENTS REGARDING CONFINED SPACES, IT IS S&F LAND SERVICES POLICY TO NOT SEND FIELD STAFF INTO UTILITY MANHOLES OR CONFINED SPACES TO RETRIEVE DEPTH AND SIZE INFORMATION. INFORMATION SHOWN HEREON IS SUBJECT TO AN UNCERTAINTY IN ACCURACY DEPENDING ON DEPTH, SIZE, FLOW, AND CONSTRUCTION OF MANHOLES. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITY LINES BETWEEN STRUCTURES.

 PORTLAND, VANCOUVER, BEND, SEASIDE 521 NORTHWEST HARRISMAN STREET, BEND, OR 97703 (541) 797-0954 WWW.SFLANDS.COM EMAIL: INFO@SFLANDS.COM		SURVEY FOR: BREAKSIDE BEAVERTON		REGISTERED PROFESSIONAL LAND SURVEYOR OREGON JUNE 13, 2008 CHRISTOPHER C. SHERBY 74502PLS RENEWS 6/30/22
		LOCATED IN THE NE 1/4 OF SEC. 16, T1S, R1W CITY OF BEAVERTON, WASHINGTON COUNTY, OREGON		
DATE: FEB. 23, 2021	JOB NO.: 2021-339-01	FIELD: AM	DRAWN: TLB	CHECKED: CCS

NOT TO SCALE

Received
 Planning Division
 3/11/2022

SHEET SIZE: 22" x 34"

SHEET NOTES

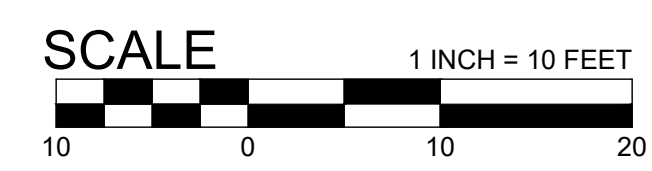
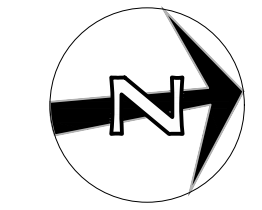
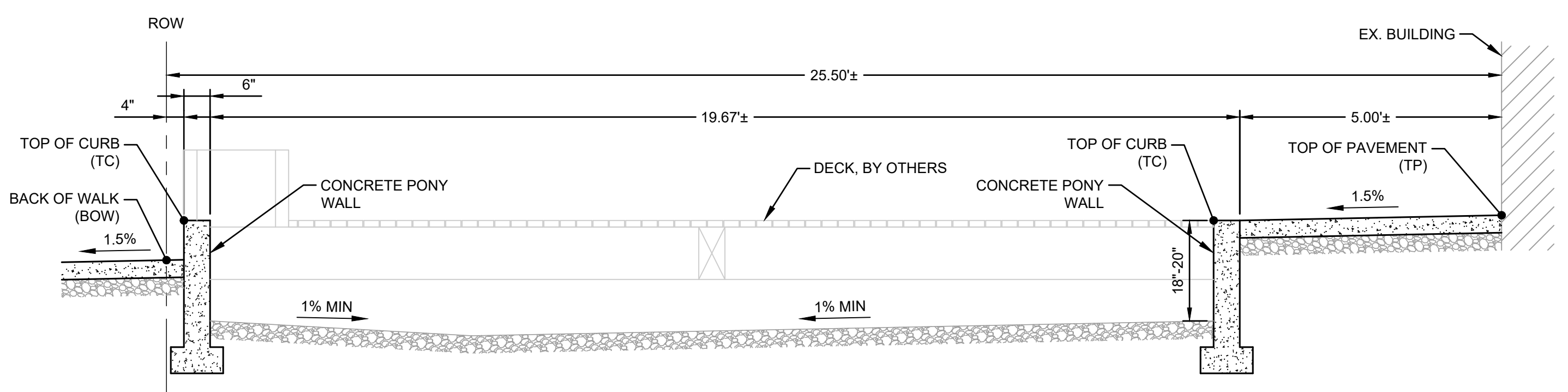
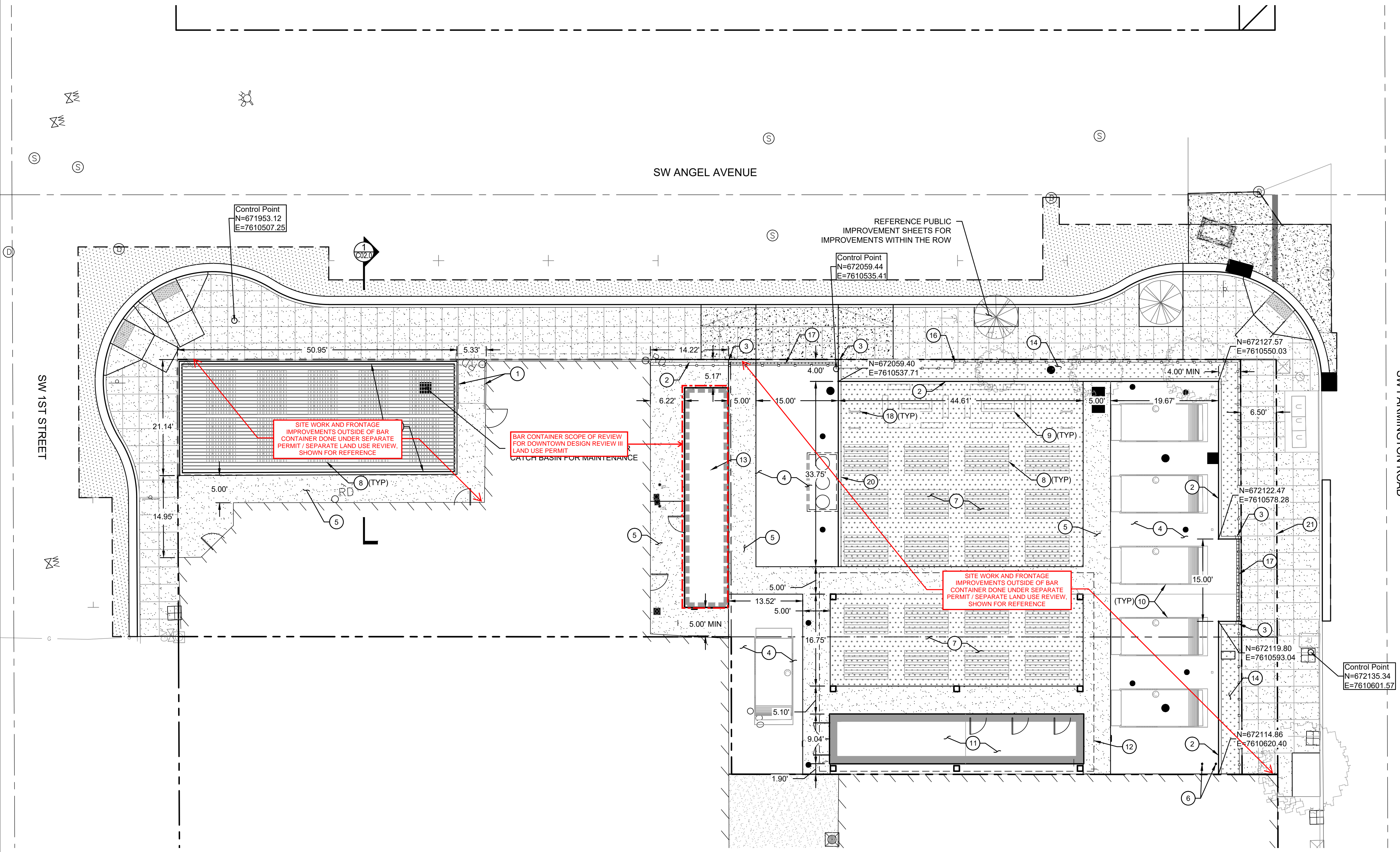
1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF WALL.
2. ALL SIDEWALK PAVEMENT JOINTS SHALL BE CONSTRUCTED PER DETAIL X/C5.X.
3. RIGHT-OF-WAY IMPROVEMENTS PER SHEETS C05.0 TO C05.3

KEY NOTES

- 1 RAILING, SEE ARCHITECTURAL PLANS
- 2 STANDARD CURB
- 3 CURB ENDING
- 4 ASPHALT PAVEMENT
- 5 CONCRETE SIDEWALK
- 6 BOLLARD
- 7 SYNTHETIC TURF, BY OTHERS
- 8 TABLES, BY OTHERS
- 9 GAS PIT, BY OTHERS
- 10 FOOD CARTS, BY OTHERS
- 11 RESTROOM AND TRASH BUILDING, BY OTHERS
- 12 PAVILION, SEE STRUCTURAL PLANS
- 13 SHIPPING CONTAINER, UNDER SEPARATE PERMIT
- 14 LANDSCAPING, BY OTHERS
- 15 CONCRETE PONY WALL
- 16 FENCE, SEE ARCHITECTURAL PLANS
- 17 SLIDE GATE, SEE ARCHITECTURAL PLANS
- 18 BIKE RACKS, SEE ARCHITECTURAL PLANS
- 19 DECK, SEE ARCHITECTURAL PLANS
- 20 FLUSH CURB (0" EXPOSURE)
- 21 OLD PROPERTY LINE

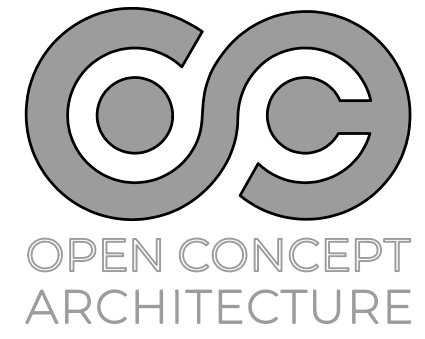
SHEET LEGEND

- PROPERTY LINE
- CONCRETE SIDEWALK
- STANDARD ASPHALT PAVEMENT
- SYNTHETIC TURF
- LANDSCAPING
- DECKING



6/18/2021 2:25:46 PM

SHEET SIZE: 22" x 34"



OPEN CONCEPT ARCHITECTURE
201 NW 21ST STREET
PORTLAND, OREGON 97209



RENEWS: 12/31/23

PRELIMINARY
NOT FOR
CONSTRUCTION

BREAKSIDE - FARMINGTON
12675 SW 1ST ST.
BEAVERTON, OR 97005
Owner



KEY PLAN

REVISION LIST	DATE

DATE: 01/26/22

DRAWN: EME

CHECKED: EME

PROJECT #: 21-C012

C03.0

GRADING PLAN

DESIGN REVIEW

SHEET NOTES

- SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.
- LANDINGS ON ACCESSIBLE ROUTES SHALL NOT EXCEED 2% IN ANY DIRECTION.
- ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG).
- ALL ADA COMPLIANT WALKWAYS FROM ACCESSIBLE UNITS ARE DESIGNED TO NOT REQUIRE HANDRAILS.
- TOP OF CONCRETE OUTSIDE EXISTING BUILDING DOOR = FF ELEV. MINUS 0.02' SLOPE.

KEY NOTES

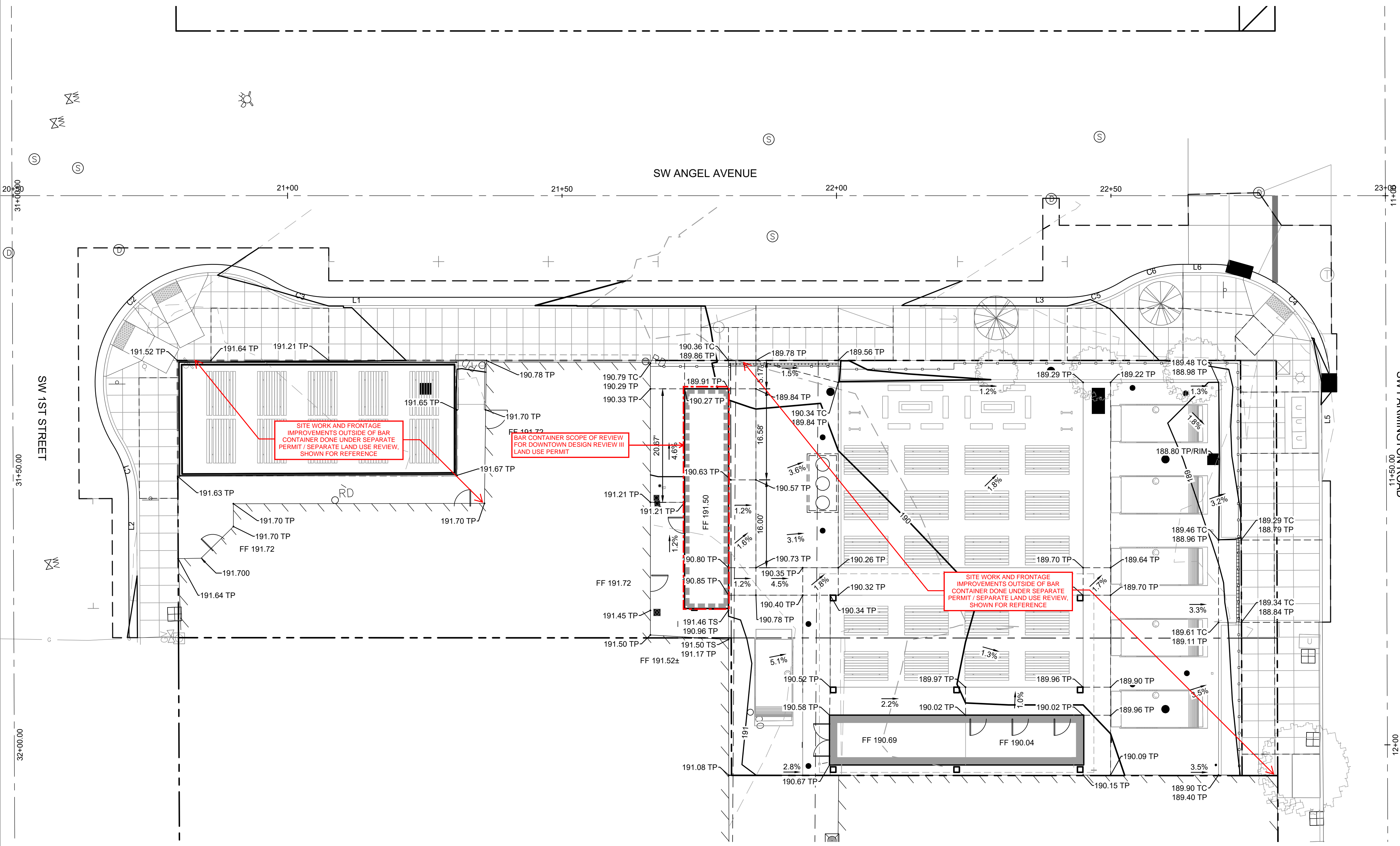
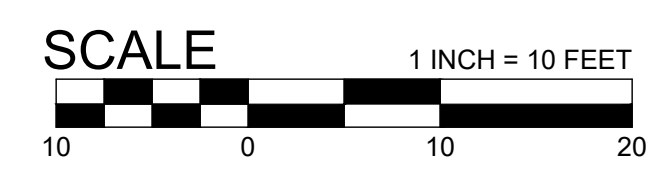
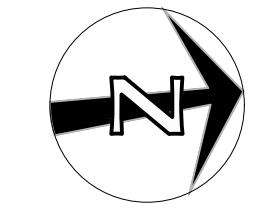
- RAMP NOT ADA ACCESSIBLE ROUTE.

GRADING LABEL LEGEND

CALLOUT	DESCRIPTION
X.X%	GRADING SLOPE AND DIRECTION (DOWNHILL)
XX.XX XX	SPOT ELEVATION DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG
BOS	BOTTOM OF SWALE
BOW	BACK OF WALK
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
EG	EXISTING GRADE
FF	FINISHED FLOOR
FL	FLOW LINE
G	GUTTER
HP	HIGH POINT
LP	LOW POINT
RIM	RIM OF STRUCTURE
TC	TOP OF CURB
TG	TOP OF GROUND
TP	TOP OF PAVEMENT
TS	TOP OF STEP
TW	TOP WALL

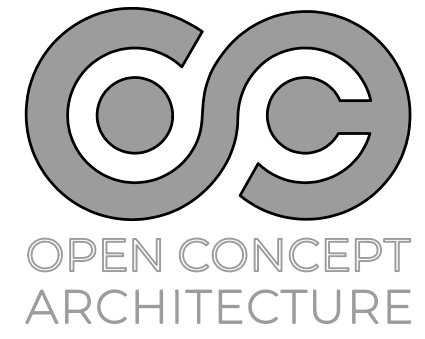
SHEET LEGEND

	DRAINAGE FLOW DIRECTION
	GRADE BREAK
	EX. CONTOUR MINOR
	EX. CONTOUR MAJOR
	CONTOUR MINOR (FG)
	CONTOUR MAJOR (FG)



6/18/2021 2:25:46 PM

SHEET SIZE: 22" x 34"



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PORTLAND, OREGON 97209



RENEWS: 12/31/23
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BREAKSIDE - FARMINGTON
12675 SW 1ST ST.
BEAVERTON, OR 97005
Owner



KEY PLAN

REVISION LIST

NO.	DESCRIPTION	DATE

DATE: 01/26/22
DRAWN: EME
CHECKED: EME
PROJECT #: 21-C012

C04.0
UTILITY PLAN - SEWER
AND WATER
DESIGN REVIEW

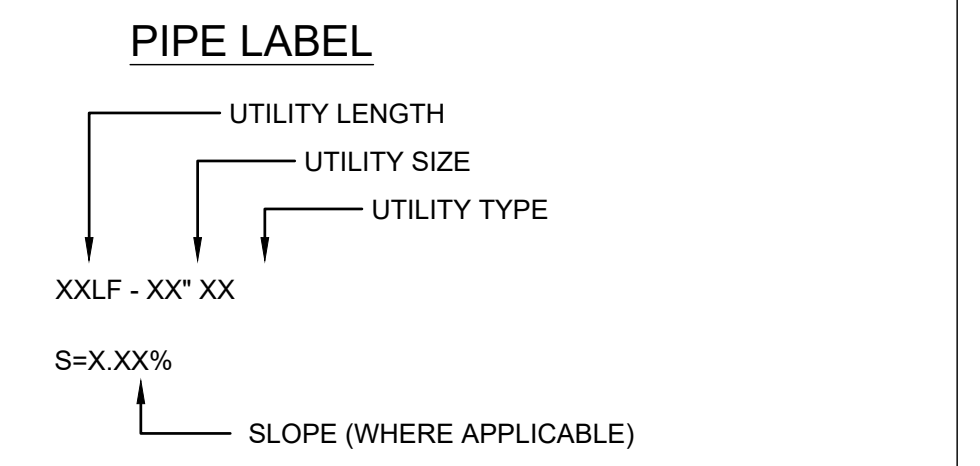
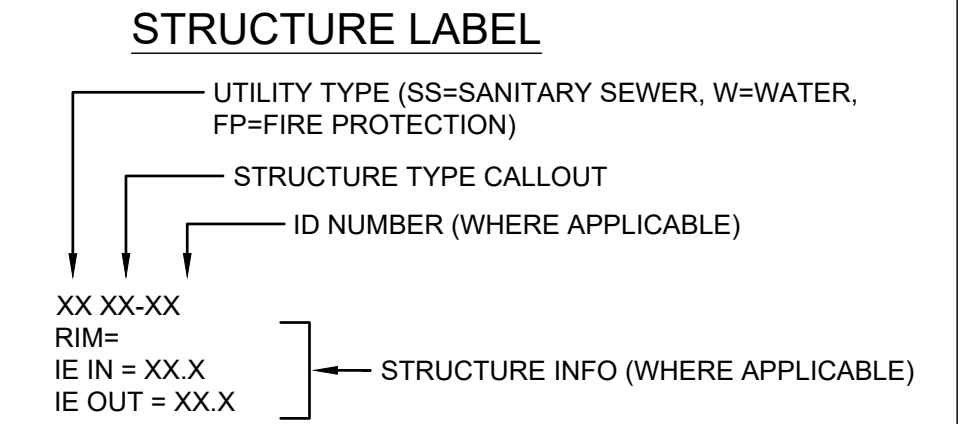
SHEET NOTES

- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL X/C5.X.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE.
- INSTALL TRUST BLOCK ON FIRE AND WATER LINES PER DETAIL X & X/CX.X.
- CONTRACTOR TO COORDINATE GAS CONNECTION TO EACH FOOD CART.

KEY NOTES

- COORDINATE WATER SERVICE POINT OF CONNECTION TO EXISTING 1-1/2" WATER METER. COORDINATE WITH CITY OF BEAVERTON.
- COORDINATE WATER SERVICE POINT OF CONNECTION TO EXISTING 3/4" WATER METER. COORDINATE WITH CITY OF BEAVERTON.
- FIELD VERIFY LOCATION AND IE OF EXISTING 8" SANITARY SEWER MAIN. CONNECT PROPOSED LATERAL TO MAIN WITH PVC GASKETED SADDLE.

UTILITY LABEL LEGEND

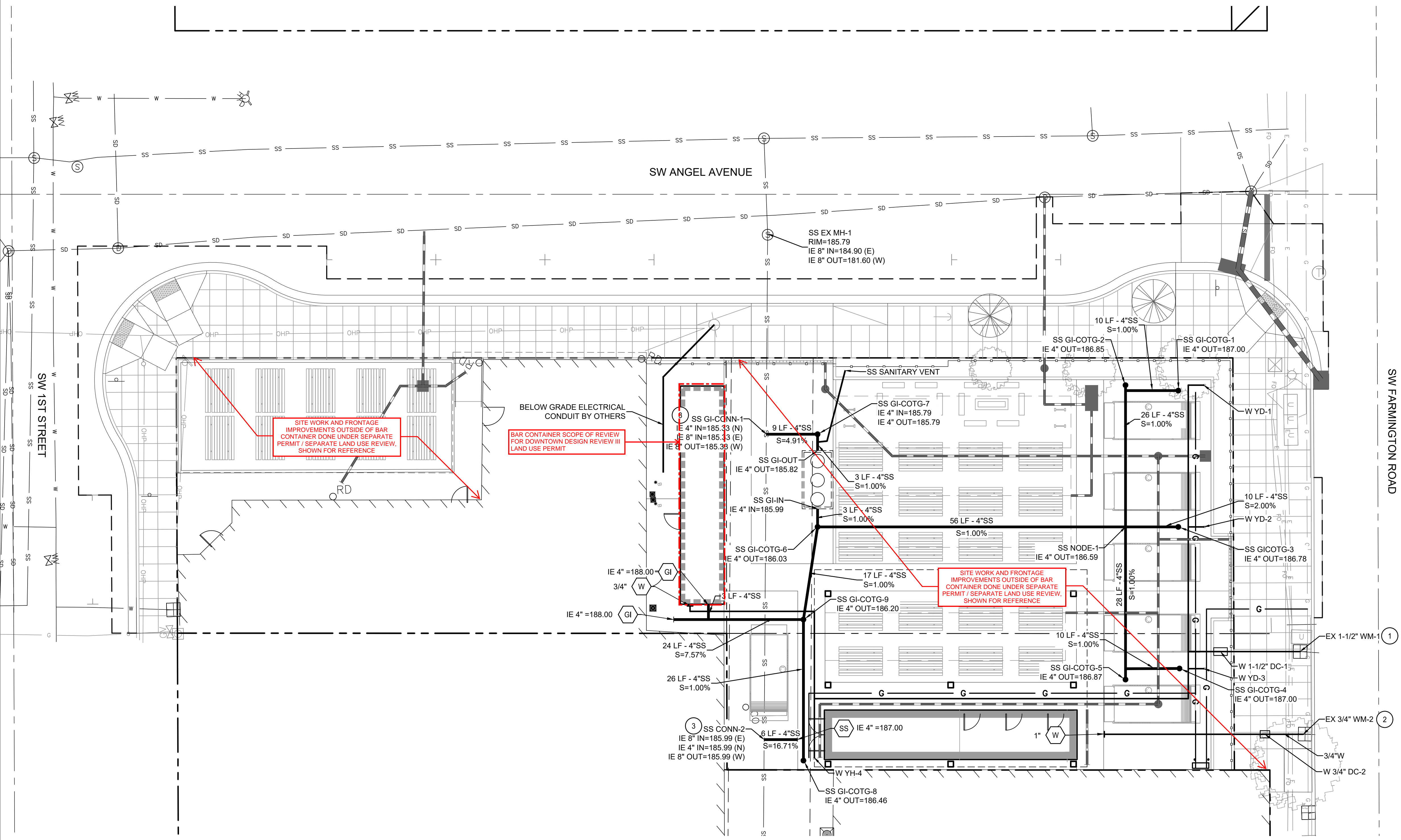
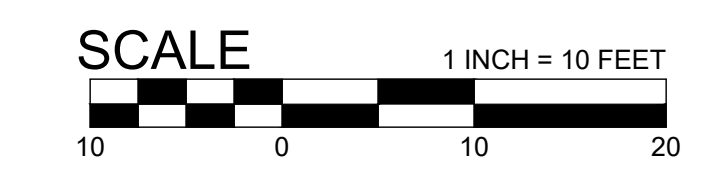
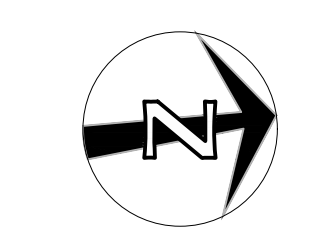


STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
BEND	BEND, USE FITTING IF APPLICABLE	
BWV	BACKWATER VALVE	
CB	CATCH BASIN	
CO	CLEANOUT TO GRADE CONNECTION	
CONN	CONNECTION	
FDC	FIRE DEPARTMENT CONNECTION	
FH	FIRE HYDRANT	
GI	GREASE INTERCEPTOR	
GV	GATE VALVE	
TD	TRENCH DRAIN	
TEE	TEE CONNECTION	
WQCB	WATER QUALITY CATCH BASIN	
WYE	WYE CONNECTION	
YD	YARD HYDRANT	

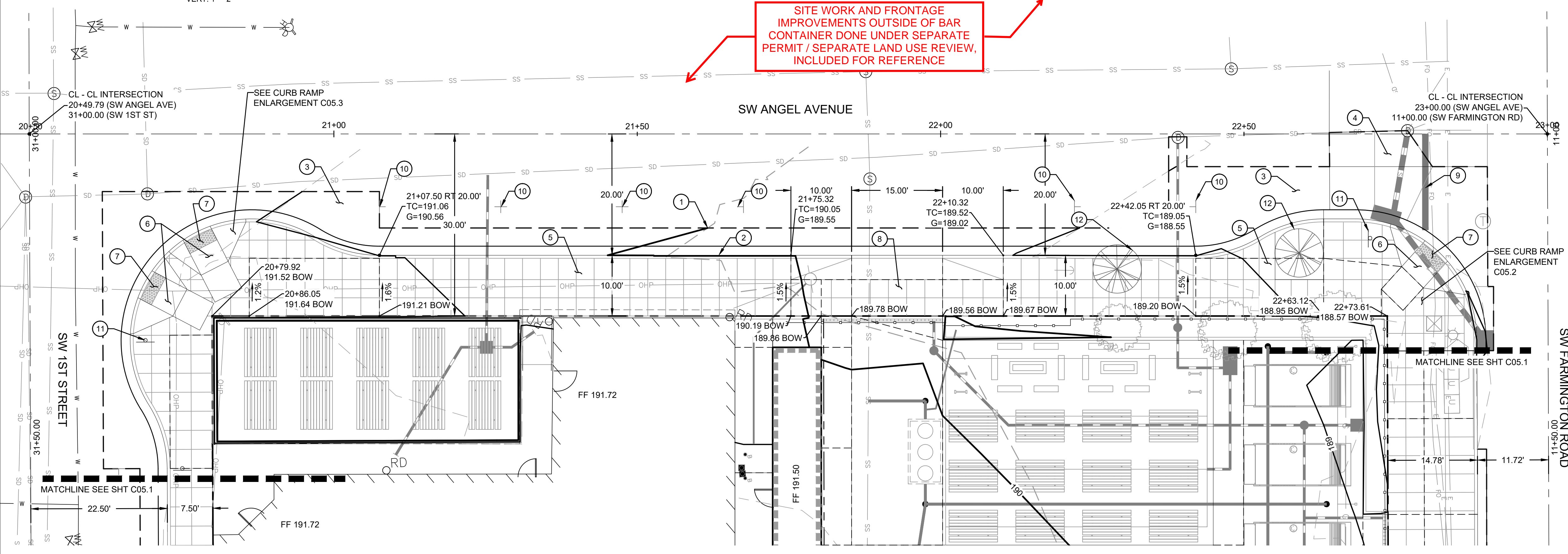
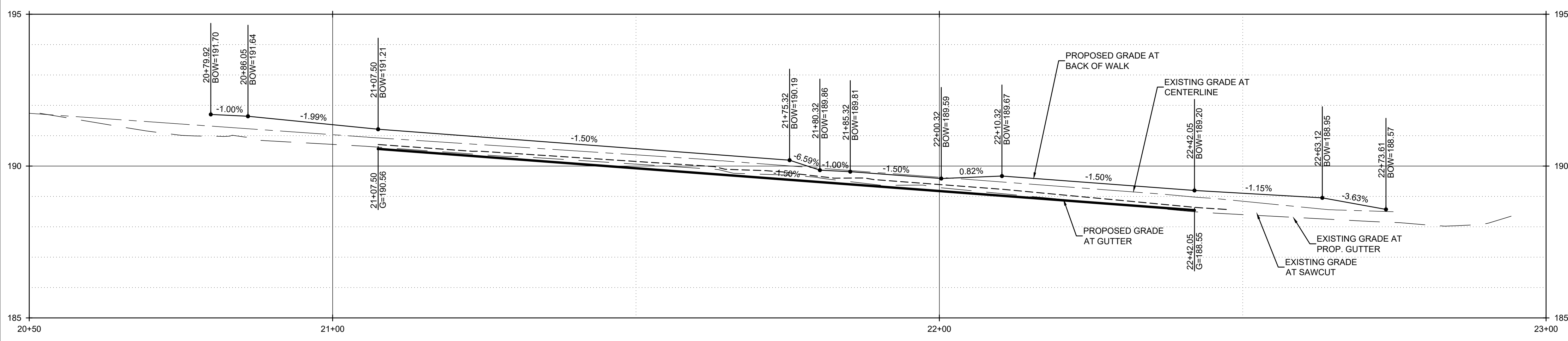
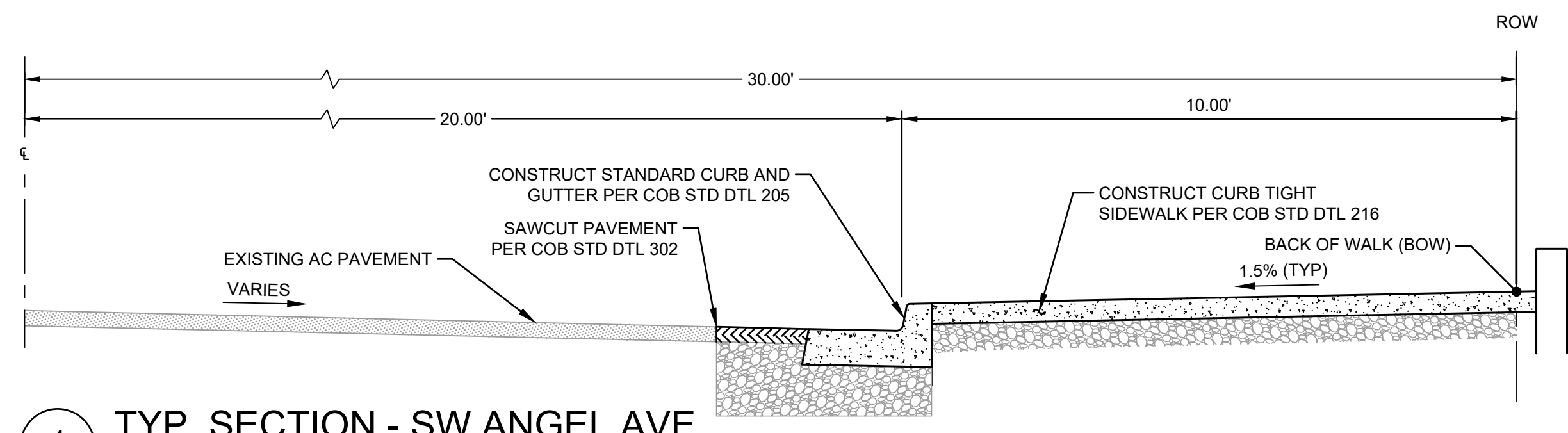
SHEET LEGEND

- DC DOUBLE CHECK VAULT
- G CONNECT TO GAS METER. CONTRACTOR TO COORDINATE WITH GAS COMPANY. SEE PLUMBING FOR CONTINUATION.
- GI CONNECT TO GREASE INTERCEPTOR LINE. CONTRACTOR TO COORDINATE WITH PLUMBING PLANS FOR CONTINUATION.
- SS CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.
- W CONNECT TO COLD WATER SYSTEM. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.
- !! UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.



6/18/2021 2:25:46 PM

SHEET SIZE: 22" x 34"



SITE WORK AND FRONTAGE IMPROVEMENTS OUTSIDE OF BAR CONTAINER DONE UNDER SEPARATE PERMIT / SEPARATE LAND USE REVIEW, INCLUDED FOR REFERENCE

SHEET NOTES

- SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.

KEY NOTES

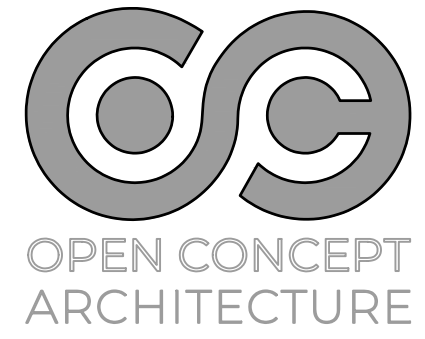
- SAWCUT LINE
- CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- CURB RAMP
- DETECTABLE WARNING
- DRIVEWAY
- STOP BAR
- PARKING STRIPING
- STOP SIGN
- STREET TREE

GRADING LABEL LEGEND

CALLOUT	DESCRIPTION
X.X%	GRADING SLOPE AND DIRECTION (DOWNHILL)
XX.XX XX	SPOT ELEVATION DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG
BOS	BOTTOM OF SWALE
BOW	BACK OF WALK
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FF	FINISHED FLOOR
FL	FLOW LINE
G	GUTTER
HP	HIGH POINT
LP	LOW POINT
RIM	RIM OF STRUCTURE
TC	TOP OF CURB
TG	TOP OF GROUND
TP	TOP OF PAVEMENT
TS	TOP OF STEP
TW	TOP WALL

SHEET LEGEND

	DRAINAGE FLOW DIRECTION
	GRADE BREAK
	EX. CONTOUR MINOR
	EX. CONTOUR MAJOR
	CONTOUR MINOR (FG)
	CONTOUR MAJOR (FG)



201 NW 21ST STREET
PORTLAND, OREGON 97209



RENEWS: 12/31/23

PRELIMINARY
NOT FOR
CONSTRUCTION

BREAKSIDE - FARMINGTON
12675 SW 1ST ST.
BEAVERTON, OR 97005
Owner



KEY PLAN

REVISION LIST

NO.	DESCRIPTION	DATE

DATE: 01/26/22

DRAWN: EME

CHECKED: EME

PROJECT #: 21-C012

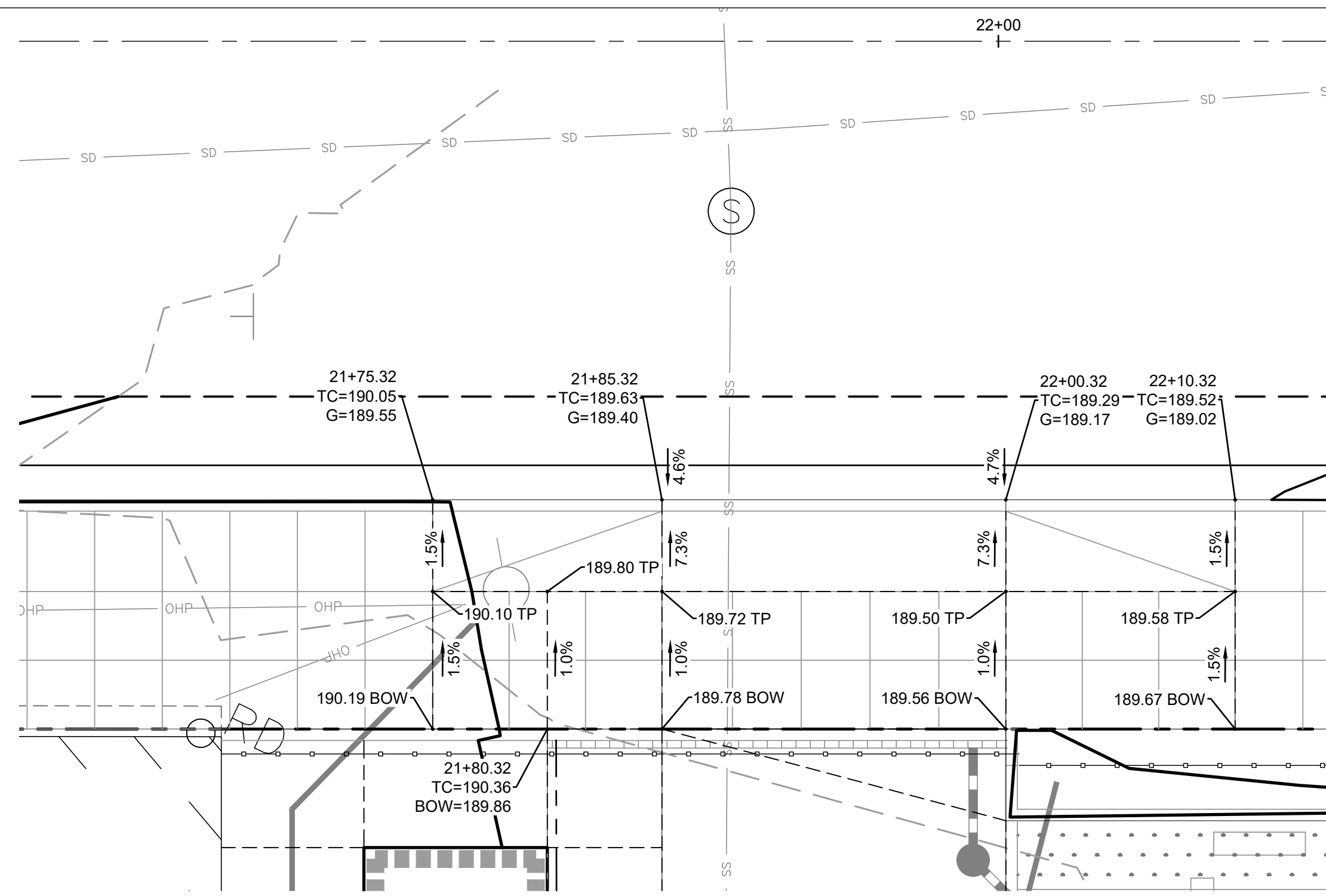
C05.0

PUBLIC STREET - ANGEL STREET

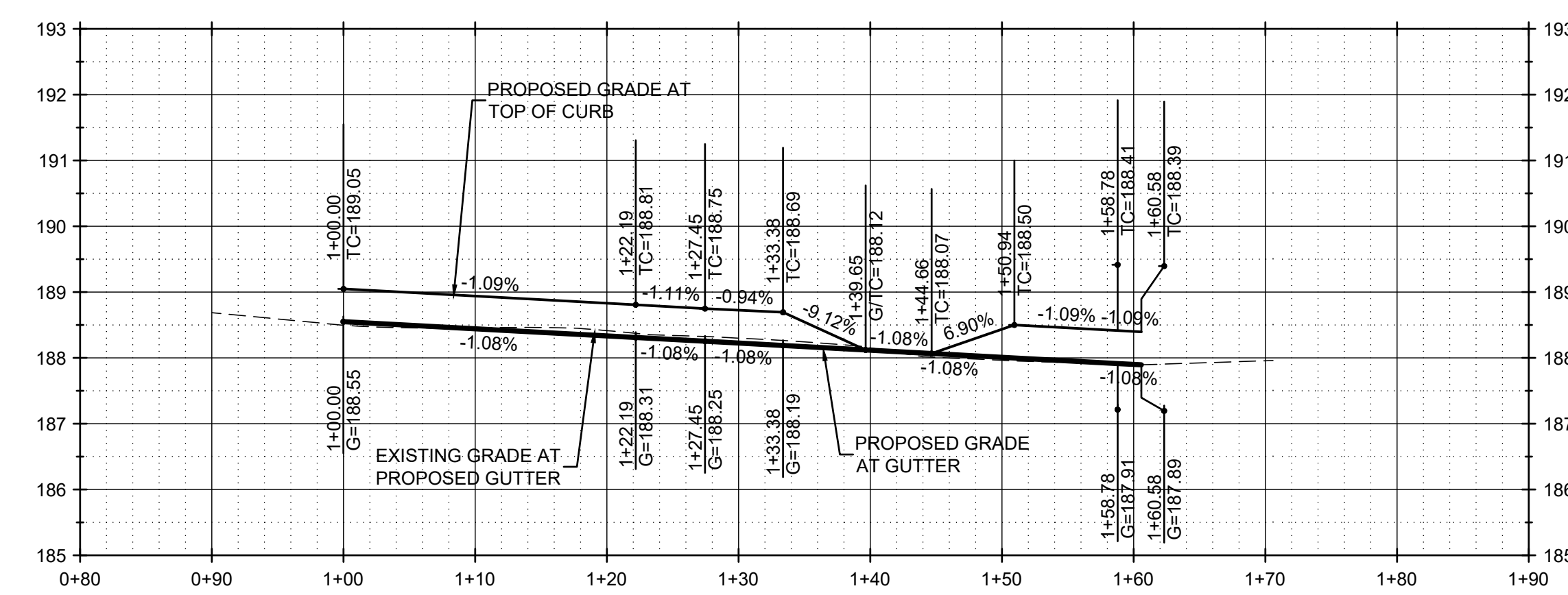
DESIGN REVIEW

6/18/2021 2:25:46 PM

SHEET SIZE: 22" x 34"

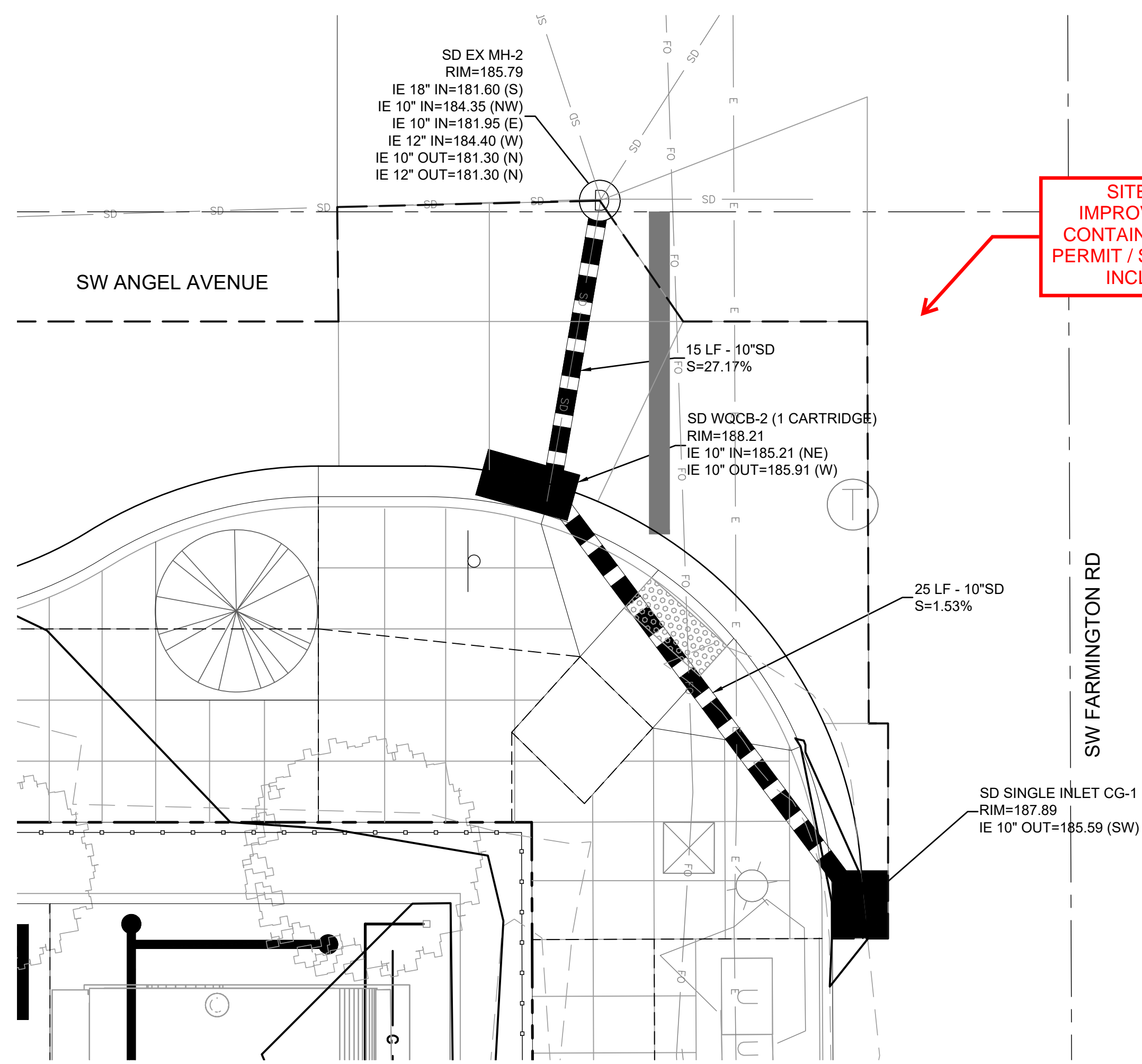


PLAN - ANGEL AVENUE DRIVEWAY ENLARGEMENT
 SCALE: 1" = 5'



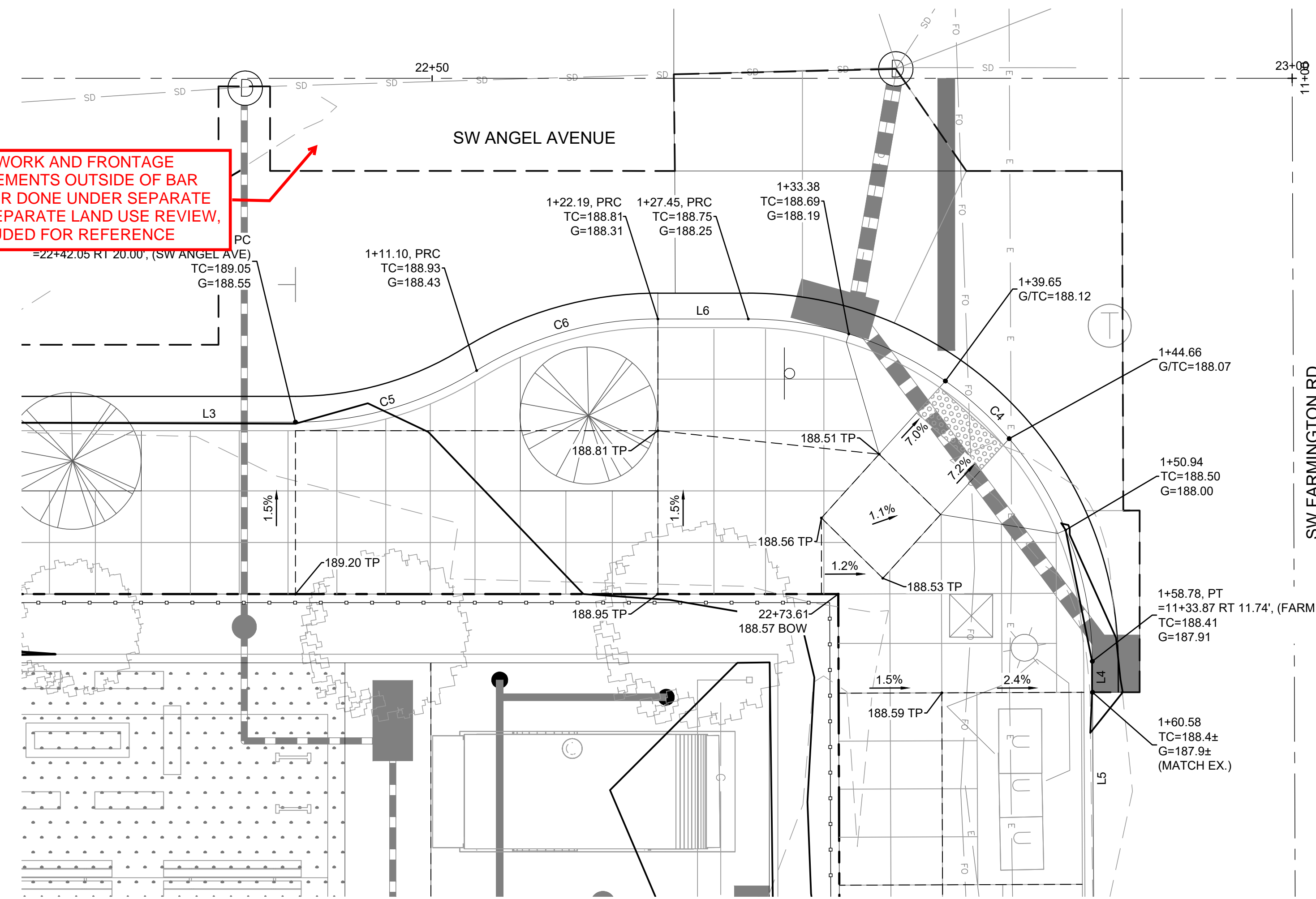
PROFILE - CORNER RAMP #1 ENLARGEMENT
 SCALE: HORZ: 1" = 10'
 VERT: 1" = 2'

CR - ANGEL-FARMINGTON			
NUMBER	LENGTH	RADIUS	DELTA
L3	10.00'		N10° 14' 40.52"E
C5	11.096'	20.000'	031°47'18"
C6	11.096'	20.000'	031°47'18"
L6	5.257'		N10° 14' 40.52"E
C4	31.326'	20.000'	089°44'35"
L4	1.804'		S80° 00' 44.24"E
L5	10.000'		S80° 04' 09.56"E



PLAN - STORMWATER ENLARGEMENT
 SCALE: 1" = 5'

SITE WORK AND FRONTAGE IMPROVEMENTS OUTSIDE OF BAR CONTAINER DONE UNDER SEPARATE PERMIT / SEPARATE LAND USE REVIEW, INCLUDED FOR REFERENCE



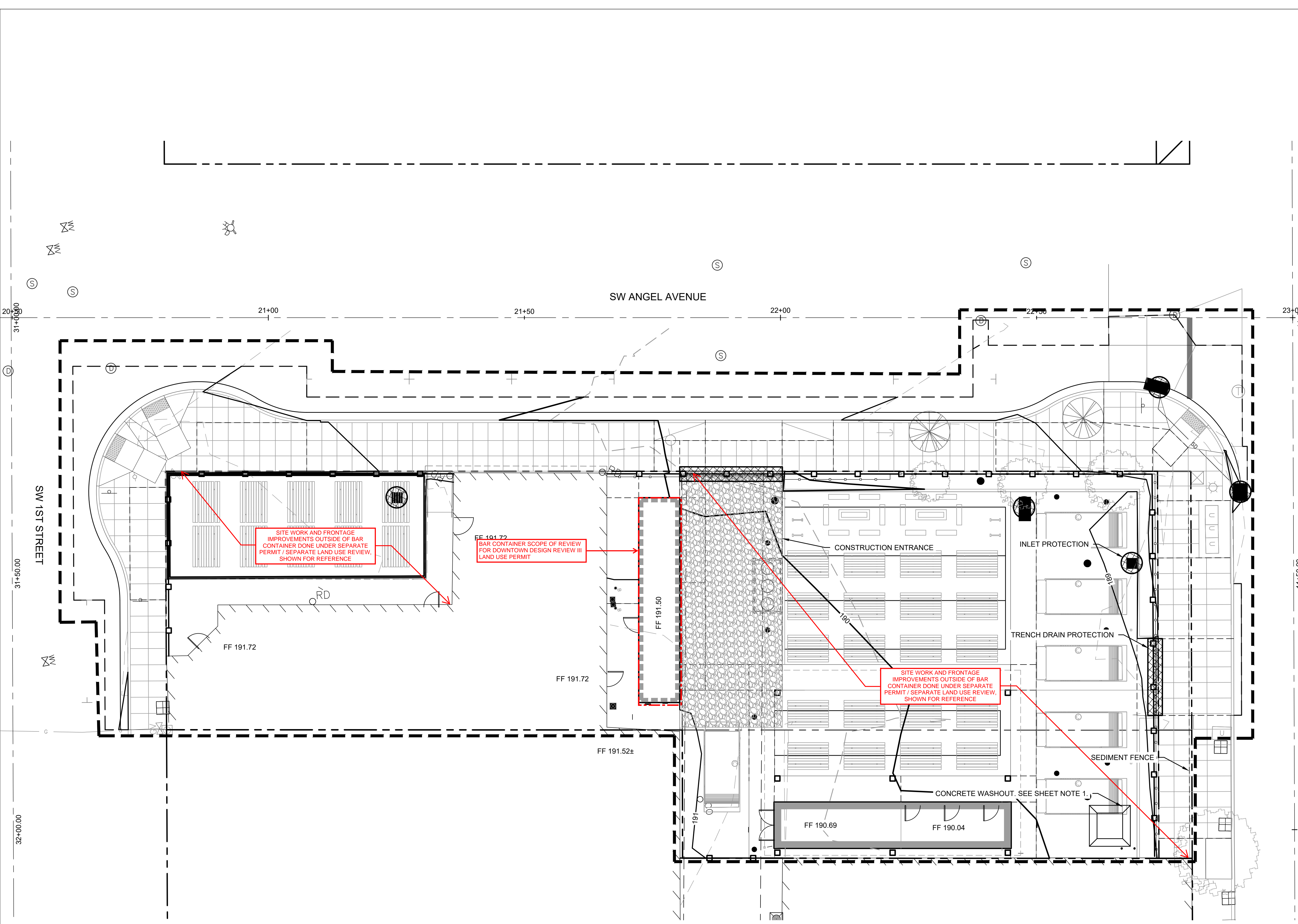
PLAN - CORNER RAMP #1 ENLARGEMENT
 SCALE: 1" = 5'



6/18/2021 2:25:46 PM

SHEET SIZE: 22" x 34"

6/18/2021 2:25:46 PM



SHEET NOTES

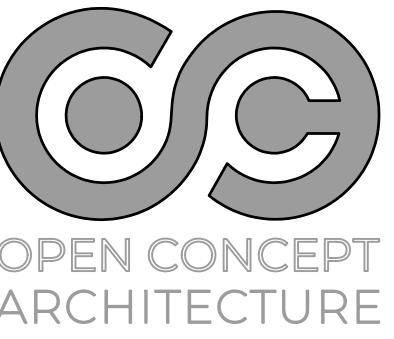
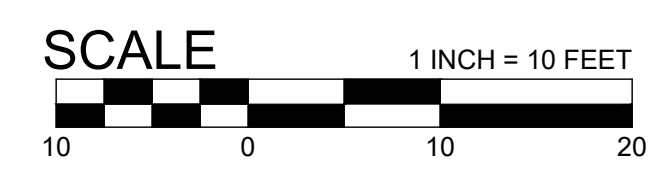
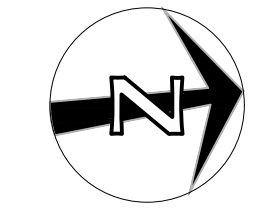
- APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE WORK SITE. THE CONTRACTOR SHALL USE ALL AVAILABLE MEANS TO ACHIEVE THIS RESULT.
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND PERMANENT VEGETATION/LANDSCAPING IS ESTABLISHED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

SHEET LEGEND

	PROPERTY LINE
	EX. CONTOUR MINOR
	EX. CONTOUR MAJOR
	PROP. CONTOUR MINOR
	PROP. CONTOUR MAJOR
	SEDIMENT CONTROL FENCE. PLACE AT PROPERTY LINES, UNO (SHOWN OFFSET FOR CLARITY).
	EXTENT OF WORK
	INLET PROTECTION
	TRENCH DRAIN PROTECTION
	CONSTRUCTION ENTRANCE

SHEET NOTES

- CONTRACTOR SHALL PROVIDE (1) 300 GALLON CAPACITY 7'x7'x14" PORTABLE CONCRETE WASHOUT "ECO-PAN". CONTACT JAIME SHEARER AT (503) 209-3204. CONCRETE WASHOUT TO BE PICKED UP BY ECO-PAN AND RECYCLED OFF SITE.



201 NW 21ST STREET
PORTLAND, OREGON 97209



RENEWS: 12/31/23

PRELIMINARY
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BREAKSIDE - FARMINGTON
12675 SW 1ST ST.
BEAVERTON, OR 97005
Owner



KEY PLAN

REVISION LIST

NO.	DESCRIPTION	DATE

DATE: 01/26/22

DRAWN: EME

CHECKED: EME

PROJECT #: 21-C012

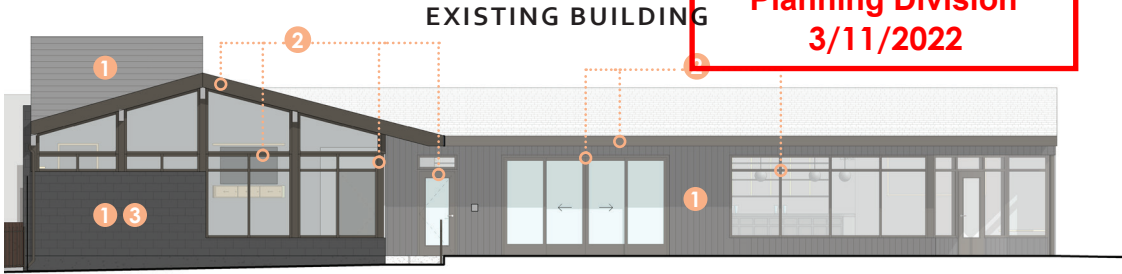
C07.0

EROSION CONTROL PLAN

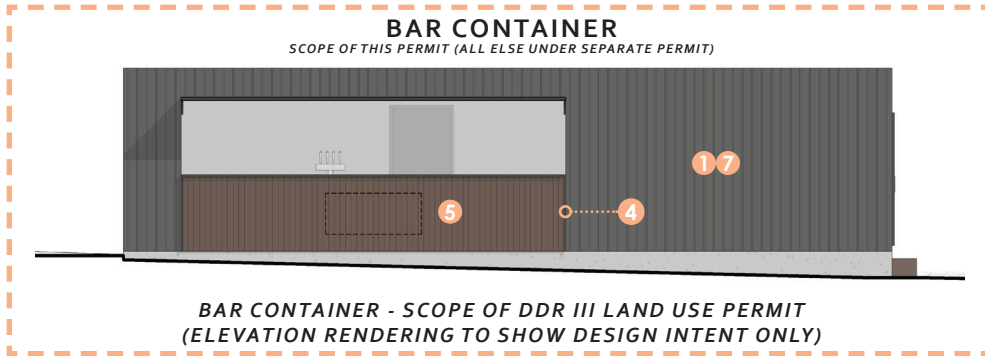
DESIGN REVIEW

MATERIALS BOARD

Received
Planning Division
3/11/2022



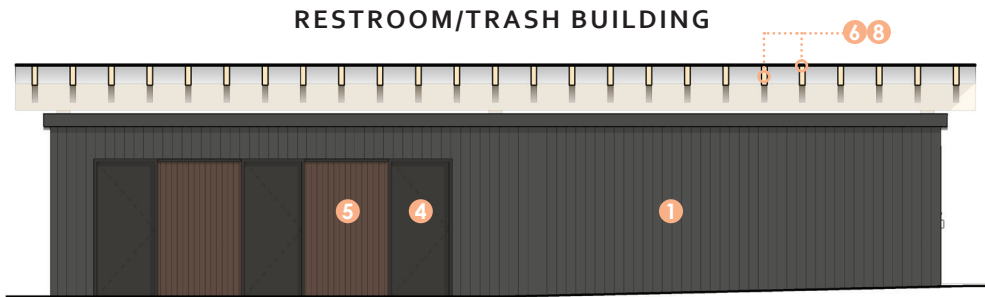
EXISTING BUILDING



BAR CONTAINER

SCOPE OF THIS PERMIT (ALL ELSE UNDER SEPARATE PERMIT)

BAR CONTAINER - SCOPE OF DDR III LAND USE PERMIT
(ELEVATION RENDERING TO SHOW DESIGN INTENT ONLY)



RESTROOM/TRASH BUILDING



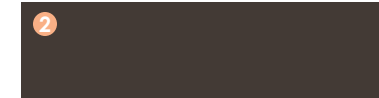
EXTERIOR CANOPY

FINISHES

EXISTING BUILDING



Exterior Paint - Dark Gray
BM - 2121-10 "Gray", or sim.



Exterior Paint Accent - Dark Bronze
BM - 2116-10 "Night Shade", or sim.

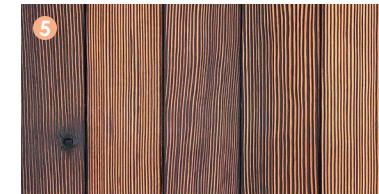


Wall Mural
By Commissioned Artist

BAR CONTAINER



Exterior Paint - Dark Gray
BM - 2121-10 "Gray", or sim.



Charred Wood Accent
Shou Sugi Ban - "Fir Toasted"



Bar Container
Shipping container structure

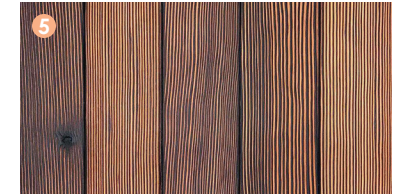
RESTROOM/TRASH BLDG



Exterior Paint - Dark Gray
BM - 2121-10 "Gray", or sim.

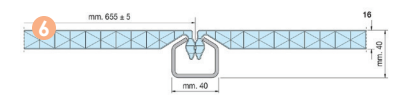


Exterior Paint Accent - Black
BM - 2128-10 "Black Beauty", or sim.



Charred Wood Accent
Shou Sugi Ban - "Fir Toasted"

EXTERIOR CANOPY



Polycarbonate Roof Panel
Typical Assembly Detail



Canopy Roof Panels
Translucent polycarbonate panels



Glulam Structure
Douglas Fir, oil-based clear coat



MRP LED LED Area Luminaire

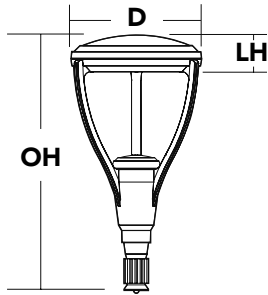


Buy American

**Received
Planning Division
3/11/2022**

Specifications

EPA:	1.125 ft ² (0.105 m ²)
Luminaire Height:	6-3/8" (16.2 cm)
Overall Height:	32" (81.3 cm)
Diameter:	18" (45.7 cm)
Weight (max):	37.5 lbs (17 kg)



TYPE E1

Catalog Number

Notes

Type

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

A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**¹

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

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

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: MRP LED 42C 700 40K SR5 MVOLT DDBXD

MRP LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	
MRP LED	42C	42 LEDs (one engine)	350 350mA	30K 3000K	SR2 Type II	MVOLT ¹ 277 ²	Shipped included (blank) Fits 4" OD round pole Shipped separately ³ MRPT20 2-3/8" tenon slipfitter MRPT25 2-7/8" tenon slipfitter	
			530 530mA	40K 4000K	SR3 Type III	120 ² 347 ²		Shipped separately ³ MRPT30 3-1/2" tenon slipfitter
			700 700mA	50K 5000K	SR4 Type IV	208 ² 480 ²		MRPF3 3" OD round pole adapter
			1000 1000mA (1A)		SR5 Type V	240 ²		MRPF5 5" OD round pole adapter ⁴

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (control ordered separate) PER5 Five-wire receptacle only (control ordered separate) ⁵ PER7 Seven-wire receptacle only (control ordered separate) ⁵	PNMTDD3 Part night, dim till dawn ⁶ PNMT5D3 Part night, dim 5 hrs ⁶ PNMT6D3 Part night, dim 6 hrs ⁶ PNMT7D3 Part night, dim 7 hrs ⁶	SF Single fuse (120, 277, 347V) ² DF Double fuse (208, 240, 480V) ² DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

ALL LIGHTING IS UNDER A SEPARATE LAND USE PERMIT - CUTSHEETS INCLUDED FOR REFERENCE



Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ⁷
DSHORT SBK U	Shorting cap ⁷
MRPT20 DDBXD U	2-3/8" tenon slipfitter (specify finish)
MRPT25 DDBXD U	2-7/8" tenon slipfitter (specify finish)
MRPT30 DDBXD U	3-1/2" tenon slipfitter (specify finish)
MRPT35 DDBXD U	4" tenon slipfitter (specify finish)
MRPF3 DDBXD U	3" OD round pole adapter (specify finish)
MRPF5 DDBXD U	5" OD round pole adapter (specify finish) ³

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

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 2 Single 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 at left.
- 4 Maximum pole wall thickness is 0.156".
- 5 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
- 6 Dimming driver standard. Not available with 347V, 480V, SF, DF, PER5 or PER7.
- 7 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Performance Data

Lumen Output

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

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
42C (42 LEDs)	530	75W	SR2	5,456	1	2	1	73	6,605	1	2	1	88	6,671	1	2	1	89
			SR3	5,436	1	1	1	72	6,581	1	1	2	88	6,647	1	1	2	89
			SR4	5,399	1	1	1	72	6,537	1	1	2	87	6,602	1	1	2	88
			SR5	5,748	3	1	3	77	6,959	3	1	3	83	7,029	3	1	3	94
	700	100W	SR2	6,630	1	2	1	66	8,026	2	2	2	80	8,106	2	2	2	81
			SR3	6,605	1	1	2	66	7,997	1	2	2	80	8,077	1	2	2	81
			SR4	6,561	1	1	2	66	7,943	1	2	2	79	8,022	1	2	2	80
			SR5	6,985	3	1	3	70	8,456	3	2	3	85	8,541	3	2	3	85
	1000	151W	SR2	8,165	2	2	2	54	9,885	2	2	2	65	9,983	2	2	2	66
			SR3	8,135	1	2	2	54	9,848	2	2	2	65	9,947	2	2	2	66
			SR4	8,080	2	2	2	54	9,782	2	2	2	65	9,880	2	2	2	65
			SR5	8,602	3	2	3	57	10,414	4	2	4	70	10,518	4	2	4	70

PER Table

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

✓ Recommended

⊘ Will not work

⚠ Alternate

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

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **MRP LED 42C 700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85

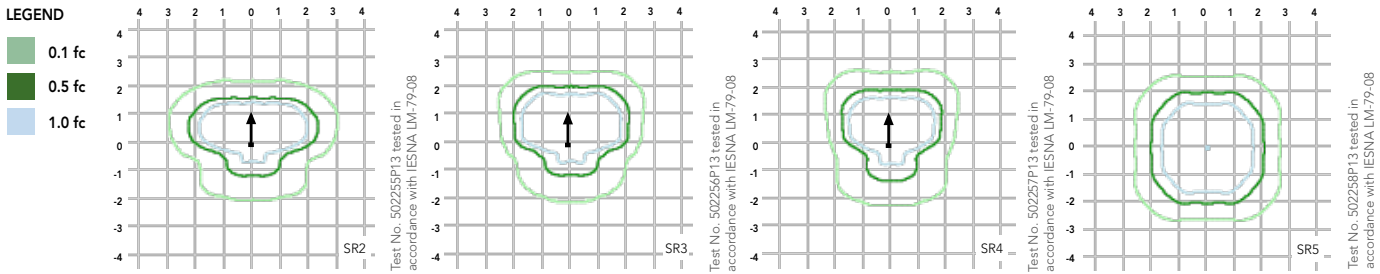
TYPE E1

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [MRP LED hom](#)

TYPE E1

Isofootcandle plots are considered to be representative of available optical distributions.



Part Night Controls

Part-Night controls are simple, energy-saving devices that allow luminaires dim during the late-night hours without the need of additional control circuits or wireless signals. With this luminaire-embedded device, the luminaires operate at full light output beginning at dusk (when turned on by the photocell or time clock), but then automatically reduce the light output (typically to 30%) for a period during the late-night hours when occupancy is lowest. The part-night device can keep the luminaire in energy-saving mode until dawn when the external photocell/timeclock switches off the luminaire, or it can be programmed for a shorter period, allowing early-morning occupants to enjoy full light output.

A luminaire with a factory-installed part-night device is easy to install as there no additional wires and no required commissioning.

Luminaires equipped with part-night devices require some dusk to dawn control in order to operate correctly. This on-at-dusk and off-at-dawn capability may be in the form of a branch circuit photocontrol or astrological timeclock, or it could be a local photocontrol in the luminaire itself. Without dusk to dawn controls, the part-night will become disabled and the luminaire will remain on at 100%.

Available configurations are as follows:

PNMTDD3	Dims mid-way through the night	Remains dimmed until dawn	Dimmed at 30%
PNMT5D3	Dims mid-way through the night	Remains dimmed for 5 hours	Dimmed at 30%
PNMT6D3	Dims mid-way through the night	Remains dimmed for 6 hours	Dimmed at 30%
PNMT7D3	Dims mid-way through the night	Remains dimmed for 7 hours	Dimmed at 30%

The part-night device uses an algorithm which averages the durations of the last three dusk-to-dawn periods (length of time the luminaire was powered) and divides it in half to determine the mid-point of the night. This accounts for seasonality and specific environmental elements that might affect the lighting in the specific locations. The luminaire may operate at full power for the first three nights in order to calibrate.

FEATURES & SPECIFICATIONS

INTENDED USE

Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION

Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast top access doorframe has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

FINISH

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

OPTICS

Precision acrylic refractive optics for optimum light distribution through the flat glass lens. Light engines are available in standard 3000K (70 CRI) or optional 4000K (70 CRI) or 5000K (70 CRI) configurations.

ELECTRICAL

Light engine consists of 42 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Multiple options and accessories are available for other mounting needs.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient. **U.S. Patent No. D556,357.**

BUY AMERICAN

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

WARRANTY

5-year limited warranty. 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.



Type: E2

MPT2-RT MONOPOINT | LED SURFACE MOUNT 2-1/2" CANOPY

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # MPT2-RT- - - 6- / - / -	

PRODUCT FEATURES

Monopoint – Surface Mount 2-1/2" Canopy

- Die-cast aluminum construction with 2-1/2" SQUARE or ROUND canopy for remote mounted LED driver.
- Features integrated snoot with 1/2" beveled regress for glare control.
- 6-1/4" Overall length. Ceiling or wall mountable.
- Available in many designer finishes including: **WH**-White, **SA**-Satin Aluminum, **OB**-Oil-Rubbed Bronze, and **BK**-Black.
- Rotates 320° and tilts 110°.
- UL damp listed (covered ceiling/wall applications). Not for wet locations.

LED Options

- **HI** 3000K 92+ CRI White LED. Minimum 2-Step color binning.
 - **HI-2** 3000K 92+ CRI White LED. Minimum 2-Step color binning. Note: For use with 10° optic option only.
 - **WD** 3000-1800K 97+ CRI Warm Dim LED. Minimum 3-Step color binning.
 - **WD-2** 2800-2200K 95+ CRI Warm Dim LED. Minimum 3-Step color binning.
 - Optic options include: 10°, 15°, 25°, and 40°. Note: 10° optic option for use with **HI-2** LED option only.
- Note: To ensure fixture to fixture color consistency, use of the same LED option with adjacent fixtures is recommended.

Optical Accessories (Optional)*

- **HEX** - Hex-cell louver
 - Field interchangeable beam enhancing lenses include: **NSP**-Narrow Softening, **NFL**-Medium Softening, **FL**-Wide Softening, **WFL**-Extra Wide Softening, and **LS**-Linear Spread. See Page 2 for details.
 - Field interchangeable color filtering lenses include: **CF24**-2400°K, **CF27**-2700°K, & **CF35**-3500°K.
- *Up to three optical accessories can be accommodated.

Dimming Options

- **LU1R-M2** Remote Lutron Hi-lume **LTEA2W** 1% 2-wire LED driver (120 V forward phase only). 120v/60Hz input.
- **LU2R-M2** Remote Lutron Hi-lume **LDE1** 1% EcoSystem LED driver with Soft-on, Fade-to-Black. 120-277v/60Hz input.

Note: Remote mounted LED driver can be mounted up to 100ft from fixture using 12AWG Class 2 stranded wire. See wire length table.

Maximum Driver-to-LED Light Engine Wire Length		
Driver Model		Wire Gauge
LU1R/LU2R-700 +	LU1R/LU2R-1000 +	
LU1R/LU2R-1000-WD	LU1R-1400	
8 ft (2.5 m)	4 ft (1.2 m)	24 AWG (0.2 mm ²)
13 ft (4 m)	6 ft (1.8 m)	22 AWG (0.34 mm ²)
20 ft (6 m)	10 ft (3 m)	20 AWG (0.5 mm ²)
30 ft (9 m)	15 ft (4.5 m)	18 AWG (0.75 mm ²)
35 ft (10.5 m)	25 ft (7.5 m)	16 AWG (1.5 mm ²)
50 ft (15 m)	40 ft (12 m)	14 AWG (2.5 mm ²)
100 ft (30 m)	60 ft (18 m)	12 AWG (4.0 mm ²)

Wire Type: Stranded Class 2 wire (supplied by others)

Output

- **700** Low output. Delivers up to 840 lumens.
- **1000** Standard output. Delivers up to 1088 lumens.
- **1000-WD** Standard output - Warm Dimming. Delivers up to 875 lumens.
- **1400** High output. Delivers up to 1108 lumens.

For photometric files in PDF and IES formats, see 8lighting.com/mp12-series

Ambient temperatures adjacent to fixture should not exceed 40°C (104°F) during normal operation. Ambient temperatures adjacent to remote mounted drivers should not exceed 25°C (77°F).

JA8-2019 CA Title 24 Compliant.

DUNDEE BUNKER

Construction Documents

July 30, 2021



526 Portal Street
Cotati, CA 94931
USA
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www.8lighting.com

All No. 8 Lighting fixtures and components are UL/CSA listed. No. 8 Lighting trims and lamp modules are protected by one or more U.S. Patents. No. 8 Lighting reserves the right to change details of design, materials, and finish.

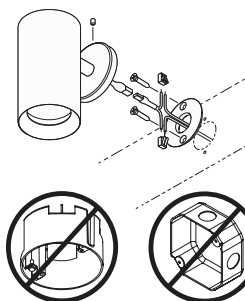
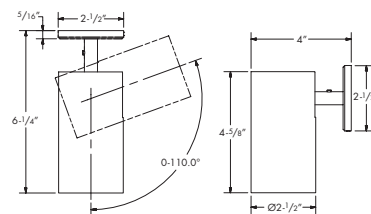
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Doc # 91202-12.3



MPT2-RT-S



MPT2-RT-R



INSTALLATION NOTE:

Must attach to suitable blocking to support the installation. Allow sufficient space for low voltage connections at back of fixture canopy. Fixture does not install to a JBox or standard mud ring.



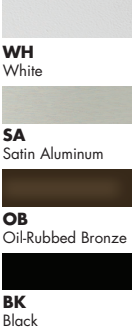


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Construction Documents
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PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

MPT2-RT- **6** /

MONOPOINT SURFACE MOUNT	LED OPTIONS	OVERALL LENGTH*	FINISH	OPTIC OPTIONS	OPTICAL ACCESSORIES	DIMMING OPTIONS	OUTPUT
MPT2-RT-S 2-1/2" Square Canopy  MPT2-RT-R 2-1/2" Round Canopy 	HI 3000K White LED HI-2* 3000K White LED WD† 3000-1800K Warm Dim LED WD-2† 2800-2200K Warm Dim LED *For use with 10° optic only. Available in low and standard outputs only. †Available in standard output only	6 *Nominal dimension (in inches). Actual overall length is 1/4" greater.	 WH White SA Satin Aluminum OB Oil-Rubbed Bronze BK Black	10* 10° Very Narrow Spot 15 15° Narrow Spot 25 25° Narrow Flood 40 40° Flood *For use with HI-2 LED only	HEX Hex-cell louver NSP Narrow softening lens NFL Medium softening lens FL Wide softening lens WFL Extra wide softening lens LS Linear spread lens CF24 2400K color filtering lens CF27 2700K color filtering lens CF35 3500K color filtering lens	LU1R-M2 Lutron Remote Mounted Hi-Lume Forward-Phase 1% Dimming LU2R-M2 Lutron Remote Mounted Hi-Lume 1% EcoSystem Dimming	700 Low output 1000 Standard output 1000-WD Standard output – warm dimming 1400* High output *Not available w/ LU2R-M2 dimming option

One field interchangeable optic included standard. Up to three optical accessories can be accommodated.
Warranty All No. 8 Lighting products are by a 5 year limited warranty. For specific warranty details and limitations, see 8lighting.com/resources-downloads

OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

OPTICAL OPTIONS	BEAM ENHANCING LENS (OPTIONAL)*				
	+ NSP	+ NFL	+ FL	+ WFL	+ LS
10° Very Narrow Spot	14°	27°	46°	71°	14 x 52°
15° Spot	20°	27°	42°	61°	19 x 47°
25° Narrow Flood	27°	34°	47°	67°	26 x 52°
40° Flood	41°	42°	56°	68°	36 x 57°
<i>Lumen Multiplier</i>	<i>0.93</i>	<i>0.87</i>	<i>0.88</i>	<i>0.82</i>	<i>0.89</i>

*Beam enhancing lens used in combination with 10°, 15°, 25°, or 40° optic to achieve desired beam spread

MPT2-RT PERFORMANCE SUMMARY

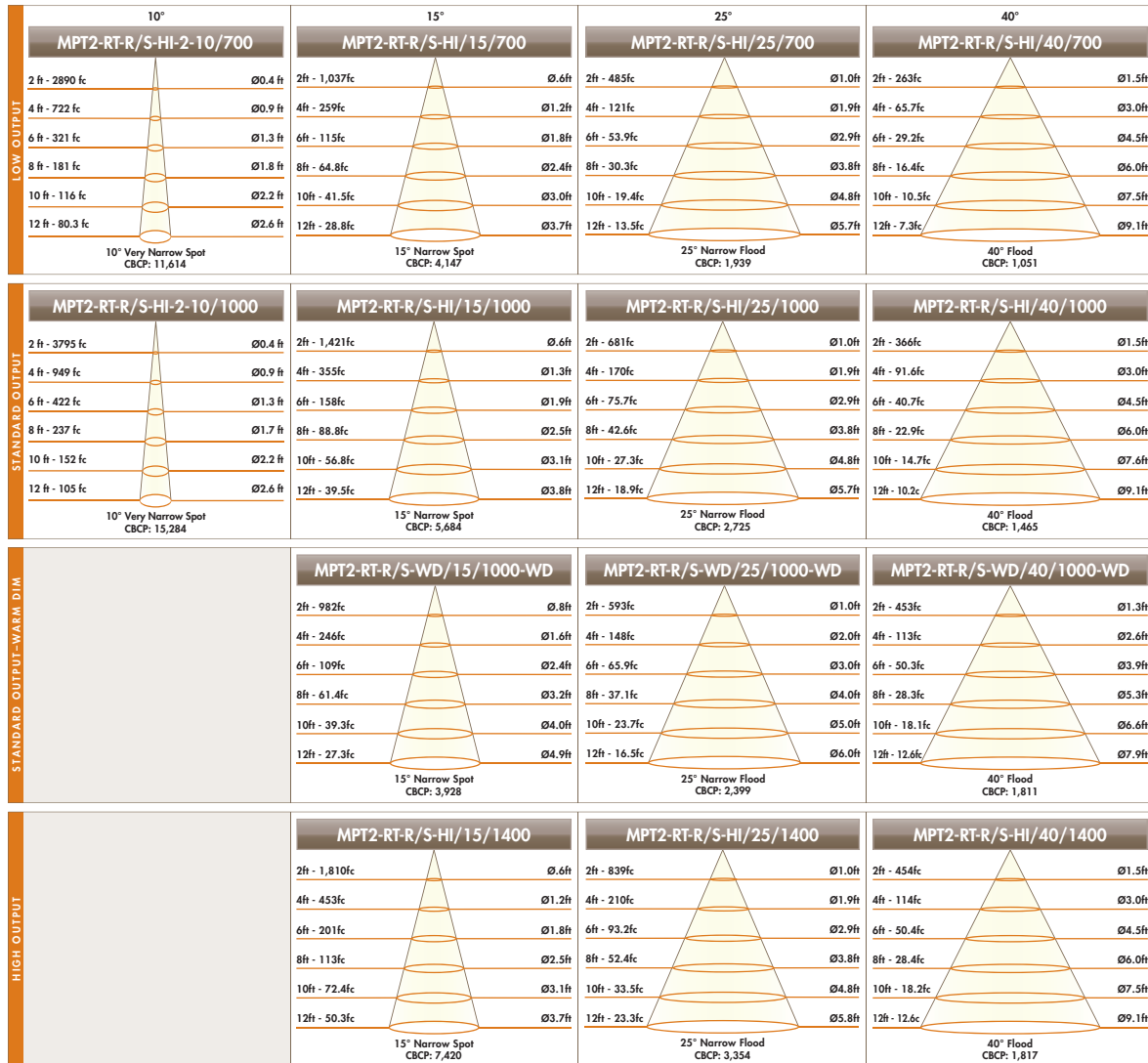
LED	Output	CCT	CRI	Delivered Lumens	System Wattage	Delivered LPW	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
HI-2	700	3000	93+	840	9.7	87	94	96	98	94	94	96	93	83	62	91	95	83	94	98
HI-2	1000	3000	93+	1088	13.9	78	94	96	98	94	94	96	93	83	62	91	95	83	94	98
HI	700	3000	92+	549-634	9.3	59-64	94	97	99	94	93	97	93	83	61	92	95	83	95	99
HI	1000	3000	92+	770-890	14.5	53-62	93	97	100	93	93	97	92	82	59	92	95	83	94	99
HI	1400	3000	92+	952-1108	20.7	46-54	93	97	99	92	93	97	91	80	56	93	93	83	94	100
WD	1000-WD	3000-1800	97+	754-875	15.0	51-59	99	99	96	99	99	97	98	96	90	96	97	83	100	97
WD-2	1000-WD	2800-2200	95+	731-849	15.0	49-57	98	97	96	96	99	93	90	86	74	96	96	87	99	99



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MPT2-RT SERIES CONE OF LIGHT DIAGRAMS

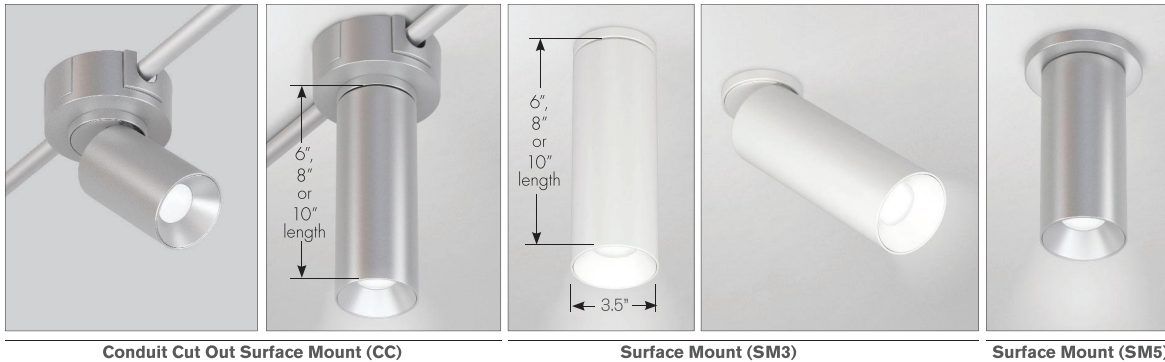


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Construction Documents
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CONFIGURABLE SPEC SHEETS COMING SOON

BeveLED Mini® Cylinder - CMRA Round Adjustable



ROUND ADJUSTABLE CYLINDER PERFORMANCE DATA

LED COLOR CHOICES

DELIVERED* PERFORMANCE:	Classic White X3 LED			Classic White X1 LED 15° optic		Warm Glow Dimming		Color Select	
	9W	15W	20W	15W	15W	20W	12W	18W	
Source Lumens:	1175	1825	2475	1500	1350	1800	925	1200	
Lumens Per Watt:	102	102	97	53	68	66	65	57	
Delivered Lumens:	925	1425	1950	750	1025	1375	775	1050	

*Based on 3000K, 80+ CR. Performance varies for each specific beamspread and color temperature. See IES files for exact values at usalighting.com.

CORRELATED COLOR TEMPERATURE MULTIPLIER

	Classic White X3 LED												Classic White X1 LED 15° optic							
	2700K			3000K			3500K			4000K			2700K	3000K	3500K	4000K				
Color Rendering Index:	80+	90+	95+	80+	90+	95+	80+	90+	95+	80+	90+	95+	80+	90+	95+	80+	90+	95+		
Multiplier for Lumen	0.96	0.81	0.70	1.00	0.86	0.74	1.03	0.88	0.79	1.06	0.81	0.81	0.93	0.81	1.00	0.87	1.07	0.87		

	Warm Glow Dimming				Color Select					
	2700K	3000K	2200K	2700K	3000K	3500K	4000K	5000K	6000K	
Color Rendering Index:	80+	90+	80+	90+	80+	80+	80+	80+	80+	80+
Multiplier for Lumen	1.00	0.78	1.00	0.83	0.92	0.97	1.00	1.03	1.05	1.10



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BeveLED Mini® Cylinder - CMRA Round Adjustable

FIXTURE DIMENSIONS

ADJUSTABLE TILT SET TO 0°



SM3
Mounting
Shown

ADJUSTABLE TILT SET TO 45°

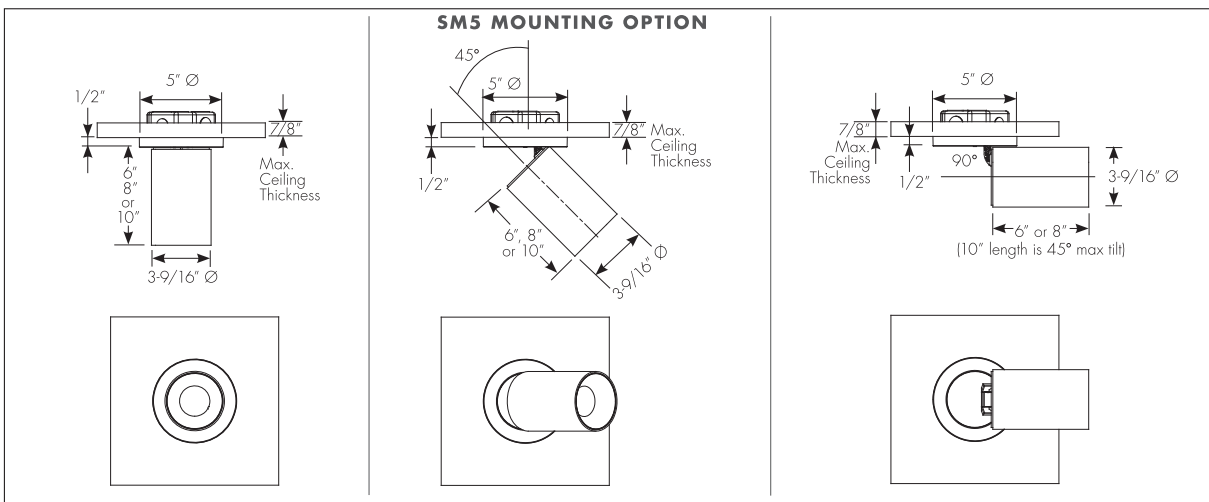
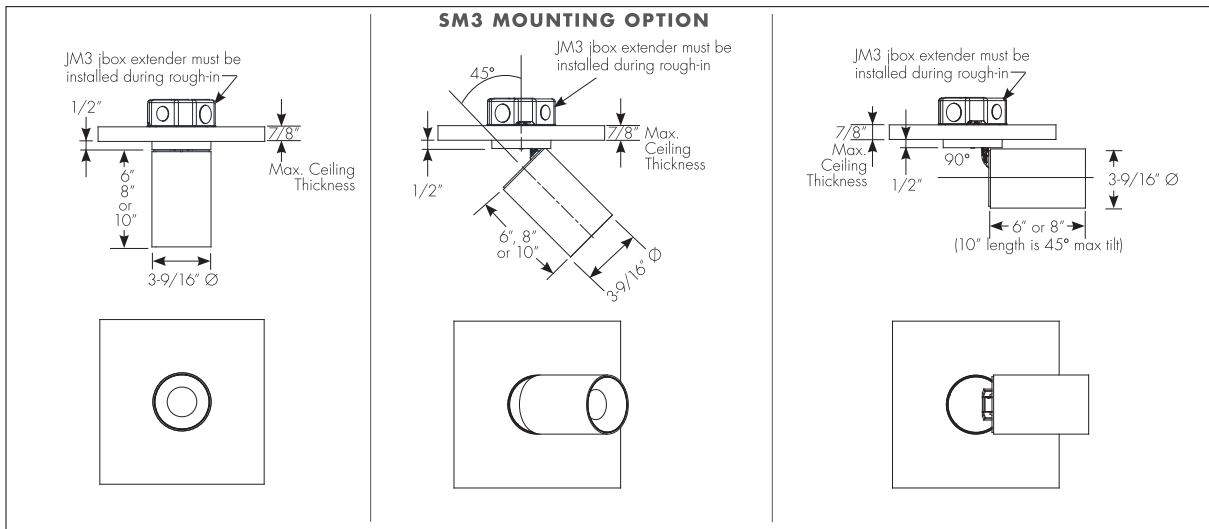


SM3 Mounting
Shown

ADJUSTABLE TILT SET TO 90°



SM3 Mounting Shown



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BeveLED Mini® Cylinder - CMRA Round Adjustable

FIXTURE DIMENSIONS

ADJUSTABLE TILT SET TO 0°

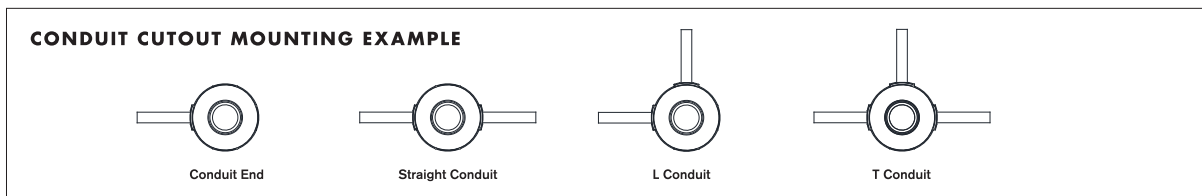
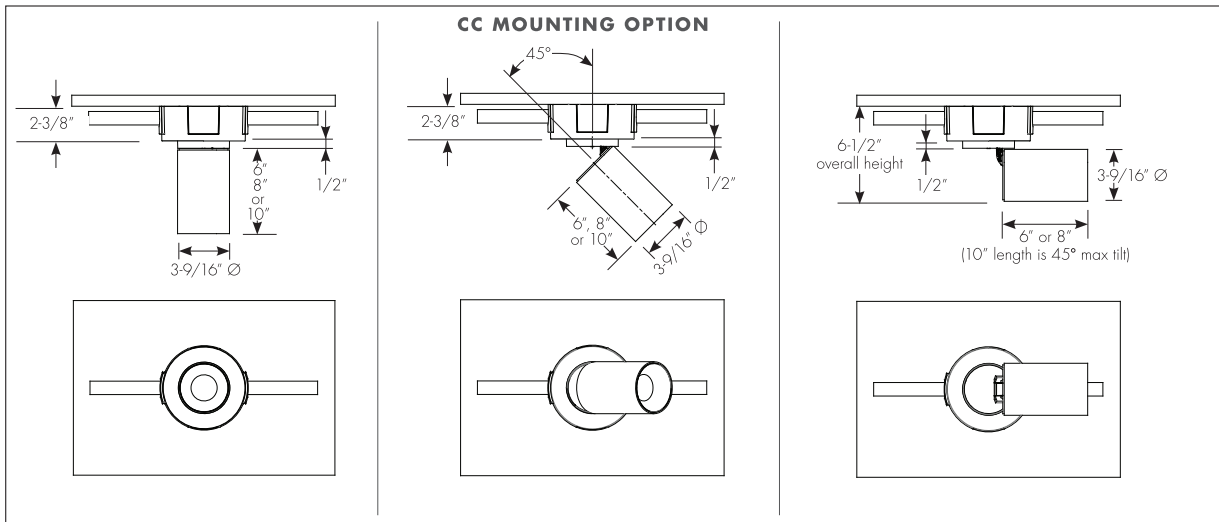


CONDUIT CUTOUT SURFACE MOUNT (CC)

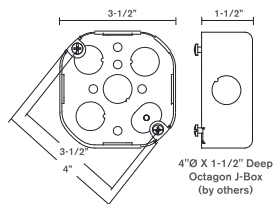
ADJUSTABLE TILT SET TO 45°



ADJUSTABLE TILT SET TO 90°



4" OCTAGONAL JUNCTION BOX



KEY COVER DETAIL

SOLID COVER KEY



3 provided with each Conduit Cutout Canopy

CONDUIT CUTOUT KEY



3 provided with each Conduit Cutout Canopy

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Revised 06/10/2021



Type: E2

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Construction Documents
July 30, 2021

USAI[®]
Lighting

BeveLED Mini[®] Cylinder - CMRA Round Adjustable

SPECIFICATIONS

FIELD REPLACEABLE LED LIGHT ENGINE

Light engine is serviceable with a Phillips screwdriver. All USAI Lighting light engines feature industry-leading color consistency.

BODY

3-9/16"Ø extruded aluminum body available in a 6", 8" or 10" length tilts from a pivot point attached to a 1/2" or 9/16" tall canopy. Cylinder body and canopy are available in a variety of powder coated paint finishes. Custom colors also available (provide RAL #).

ADJUSTMENT

Toolless 362° rotation, with the tilt angle able to be set at a fixed angle with a ratcheting mechanism. 6" and 8" lengths can tilt from 0° to 90°. The 10" length cylinder is limited to a maximum tilt angle of 45°.

SURFACE MOUNT

Surface mount is provided with all hardware included for mounting to standard recessed 4" octagonal junction box. Installation is completed with no visible hardware. If SM3 mounting option is specified, a 3-9/16" Ø x 1/2" tall canopy is provided with adjustable cylinder in same finish as body finish specified. A junction box extender accessory (JM3) is required to complete the installation of the SM3 canopy, which must be installed during rough-in and prior to hanging drywall or ceiling substrate. The thickness of ceiling substrate material is limited to 7/8" maximum when using the SM3 mounting with JM3 extender. If SM5 mounting option is specified, a 5" Ø x 1/2" tall canopy is provided in body finish specified. SM5 canopy requires no accessories and can be installed after ceiling substrate.

CONDUIT CUTOOUT CANOPY

If Conduit Cutout Canopy is specified (CC option) a 5-13/16" Ø round x 2-3/8" deep canopy is provided for mounting to standard 4" octagonal surface mounted junction box. Conduit cutout canopy has 4 keyslots, one in each side, and ships with three conduit cutout keys and three solid cover keys which are field interchangeable and can be configured to accommodate any ceiling layout using 1/2" or 3/4" conduit. Conduit cutout canopy is provided in finish, matching cylinder body finish specified. If a different canopy color is desired, please contact factory.

FIELD REPLACEABLE INTEGRAL DRIVER

100%-1% solid state electronic constant current dimming driver with a high power factor is provided standard. All integral dimming drivers are located within the cylinder body and are serviceable from below the ceiling. Some on-time delay may be experienced depending on control system used. All dimming drivers comply with IEEE C62.41 surge protection.

REMOTE LOCATION DRIVER

BeveLED Mini Cylinder is available for use with remotely located driver. Driver is provided separately for remote location on site, enclosure to be provided by others. Remote dimming driver power supply option must be clearly specified in the "RP" table. Remote power supplies require enclosures by others that meet local codes and must be located in an accessible service panel within 100ft of the light fixture; see remote driver table below for coordination of enclosure sizes and wire gauges required. All dimming drivers comply with IEEE C62.41 surge protection.

Remote Power Supply Requirements and Wiring Diagram

enclosure sizes and wire gauge with **1 fixture** per power supply.

Remote Power Supply Dimming Option	Wire Gauge Required*	Minimum Enclosure Size Required (by others)	
		RP Only	RP with EM Option**
UNV-D4A Lutron ECO, 0.1% (1)	14/12	6.25" W x 4" L x 2" H	14.5" W x 6.5" L x 3" H
UNV-D4H Lutron H ECO, 1% fade (1, 2)			
UNV-D4P Lutron ECO, 1%			
UNV-D6A EldoLED 0-10V, 1%	18/16		
UNV-D6B EldoLED 0-10V, 1%			
UNV-D6E EldoLED 0-10V, 1%			
UNV-D6F EldoLED 0-10V, 1%			
UNV-D7 EldoLED DALI, 0.1%	14/12		
UNV-D28 EldoLED DMX, 0.1% (2)			
120V-D3 Lutron 2-wire phase, 1%	14/12	5.75" W X 2.625" L x 2" H	
120V-D19 Hatch 2-wire phase, 1% (1)	14/12		

¹ Not available for Warm Glow ² Not available for 9W

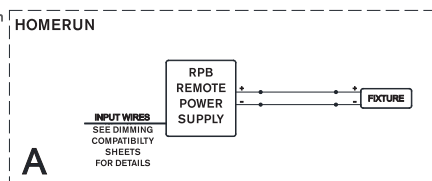
Not all dimming options are available with all LED light engine options. See RP ordering table for details.

* Wire gauge 14/12 = Maximum distance from light fixture to remote power supply is 100' using 12 gauge wire, 50' using 14 gauge wire.

* Wire gauge 18/16 = Maximum distance from light fixture to remote power supply is 100' using 16 gauge wire, 50' using 18 gauge wire.

** Emergency battery remote power supplies cannot be located any more than 50 feet from light fixture.

Note: All light fixtures must be wired in homeruns per wiring diagram here:



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Revised 06/10/2021



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USAI[®]
Lighting

BeveLED Mini[®] Cylinder - CMRA Round Adjustable

SPECIFICATIONS (continued)

FIXTURE WEIGHT

Cylinder weighs 4 lbs

WARRANTY

Based on IESNA LM80-2008, BeveLED Mini Cylinder has a 50,000 hour rated life at 70% lumen maintenance (L70). USAI Lighting Warranty covers replacement parts for 5 years from date of shipment. Warranty is void if USAI Cylinder is used with any power supply other than that which is provided by USAI.

LISTINGS

Dry/Damp, NRTL/CSA-US tested to UL standards. IBEW union made.



NOTES

- Ambient temperatures at fixture location should not exceed 40°C during normal operation.
- For interior use only

PHOTOMETRICS

Consult factory or website for IES files. Tested in accordance with IESNA LM79-2008.

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Construction Documents
July 30, 2021

DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D3 / DIML3

DIMMING DRIVER WIRING SCHEMES:

NOTES:

Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

**IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS**

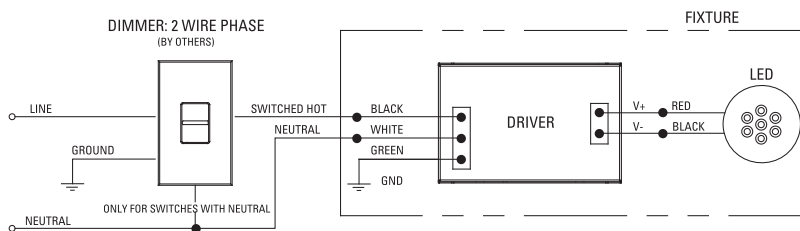
1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D3 / DIML3 LED: Lutron Hi-Lume A-Series 2 Wire Fwd Phase (with neutral) / LED Dimming Driver Wiring (Dims down to 1%) 120V

D3 / DIML3 Dimmer Compatibility Chart					
Manufacturer	Product	Part Number	Dimmed Light Output Range	Qty Fixtures Per Dimmer*	
				39W and Less	40W - 80W
120V Only					
ETC	Sensor+ Cabinet	ELV10	100% - 1%	1 - 26	1 - 13
ETC	Unison DRd Cabinet	ELV10	100% - 1%	1 - 26	1 - 13
Lutron	Maestro Wireless® 600W dimmer	MRF2-6ND-120-	100% - 1%	1 - 8	1 - 4
Lutron	Maestro Wireless® 1000W dimmer	MRF2-10ND-120-	100% - 1%	1 - 13	1 - 6
Lutron	HomeWorks® QS adaptive dimmer	HQRD-6NA-	100% - 1%	1 - 8	1 - 4
Lutron	HomeWorks® QS 600W dimmer	HQRD-6ND-	100% - 1%	1 - 8	1 - 4
Lutron	HomeWorks® QS 1000 W dimmer	HQRD-10ND-	100% - 1%	1 - 13	1 - 6
Lutron	Caseta Wireless® Pro 1000W dimmer	PD-10NXD-	100% - 1%	1 - 13	1 - 6
Lutron	Stanza® dimmer	SZ-6ND-	100% - 1%	1 - 8	1 - 4
Lutron	RadioRA® 2 adaptive dimmer	RRD-6NA-	100% - 1%	1 - 8	1 - 4
Lutron	RadioRA® 2 1000 W dimmer	RRD-10ND-	100% - 1%	1 - 6	1 - 3
Lutron	myRoom DIN power module	MQSE-4A1-D	100% - 1%	1 - 6	1 - 3
Lutron	HomeWorks® QS wallbox power module	HQRJ-WPDM-6D-120-	100% - 1%	1 - 26	1 - 13
Lutron	Homeworks® DIN power module	LQSE-4A1-D	100% - 1%	1 - 6	1 - 3
Lutron	HomeWorks® wallbox power module	HWI-WPDM-6D-120	100% - 1%	1 - 26	1 - 13
Lutron	GRAFIK Eye® QS control unit	QSGR-, QSGRJ-	100% - 1%	1 - 26	1 - 13
Lutron	GRAFIK Eye® 3000 control unit	GRX-3100-, GRX-3500-	100% - 1%	1 - 26	1 - 13
Lutron	RPM-4U module	HW-RPM-4U-120, LP-RPM-4U-120	100% - 1%	1 - 26	1 - 13
Lutron	RPM-4A module	HW-RPM-4A-120, LP-RPM-4A-120	100% - 1%	1 - 26	1 - 13
Lutron	GP dimming panels	Various	100% - 1%	1 - 26	1 - 13
Lutron	Ariadni CL 250W dimmer	AYCL-253P-	100%-1%	1 - 8	1 - 4
Lutron	Divi CL 250W dimmer	DVCL-253P-, DVSCCL-253P-	100%-1%	1 - 8	1 - 4
Lutron	Grafik T CL or RF CL dimmer	GT-250M-, GTJ-250M-	100%-1%	1 - 8	1 - 4
Lutron	Nova T CL 250W dimmer	NTCL-250-	100%-1%	1 - 10	1 - 5

* NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

**D3 / DIML3
2 WIRE PHASE DIMMING**



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DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D4A / DIML4A and D4P / DIML4P

DIMMING DRIVER WIRING SCHEMES:

NOTES:

Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

**IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS**

1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

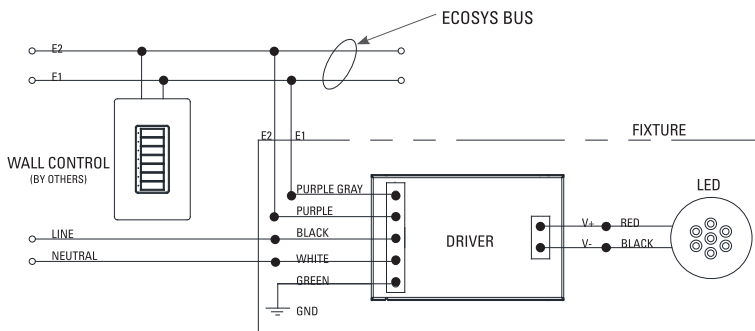
D4A / DIML4A LED: Lutron Hi-Lume Premier EcoSystem LED Driver (Dims down to 0.1%)

D4P / DIML4P LED: Lutron Hi-Lume Premier EcoSystem LED Driver (Dims down to 1%)

D4A / D4P EcoSystem Controls Dimmer Compatibility Chart			
Manufacturer	Product	Part Number	Maximum Quantity Light Fixtures Per Control
120V / 277V			
Lutron	PowPak dimming module	RMJ-ECO32-DV-B	32
		FCJ/FCJS-ECO	3
120V ONLY			
Lutron	Energi Savr Node	QSN-1ECO-S	64
		QSN-2ECO-S	128
	GRAFIK Eye QS/ Homeworks QS control unit	QSGRJ- E, QSGR- E	64
		QP2-...2C	128
	Quantum Hub	QP2-...4C	256
		QP2-...6C	384
		QP2-...8C	512
	HomeWorks QS / myRoom Plus power module	LQSE-2ECO-D	128

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

D4A / DIML4A and D4P / DIML4P EcoSystem CONTROLS



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DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D4H /DIML4H

DIMMING DRIVER WIRING SCHEMES:

NOTES:

Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

**IMPORTANT SAFETY INSTRUCTIONS
- SAVE THESE INSTRUCTIONS**

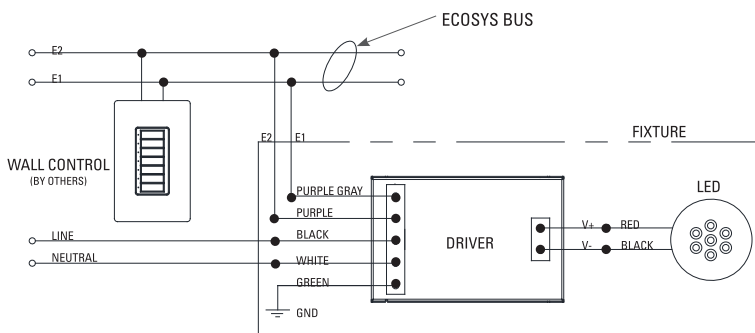
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4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D4H / DIML4H LED: Lutron H Series EcoSystem LED Driver with Fade to Black (dims down to 1%)

D4H / DIML4H EcoSystem Dimmer Compatibility Chart					
Manufacturer	Product	Part Number	Dimmed Light Output Range	Qty Fixtures Per Control*	
				Fixture Wattage	Fixture Wattage
120V / 277V					
Lutron	PowPak dimming module	RMJ-ECO32-DV-B	100%-1%	39W and Less	40W - 80W
Lutron	Energi Savr Node	QSN-1ECO-S, QSN-2ECO-S	100%-1%	1-64	1-32
Lutron	GRAFIK Eye QS (120V ONLY)	QSGRJ- E, QSGR- E	100%-1%	1-64	1-32
Lutron	Quantum	Various	100%-1%	1-64	1-32

* NOTE: Number of fixtures may be higher if wattage is less than maximum values shown. Refer to dimmer manufacturer's documentation for installation instructions and circuit details.

**D4H / DIML 4H
EcoSystem CONTROLS**



Type: E2

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July 30, 2021

DIMMING DRIVER COMPATIBILITY SELECTION GUIDE

D6A / DIML6A and D6E / DIML6E D6B / DIML6B and D6F / DIML6F

IMPORTANT SAFETY INSTRUCTIONS

- SAVE THESE INSTRUCTIONS

1. Keep these instructions in a safe place for future reference.
2. Only qualified electricians in accordance to local codes should install these fixtures.
3. De-energize the electrical circuit at the circuit breaker prior to installation process or servicing.
4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D6A / DIML6A and D6E / DIML6E LED Dimming Compatibility Table

D6A / DIML6A and D6E / DIML6E are linearly programmed dimming drivers for use with the dimming controls listed in the table below.

D6A / DIML6A = EldoLED SOLOdrive 0-10V control dims from 100% to 0.1%

D6E / DIML6E = EldoLED ECOdrive 0-10V control dims from 100% to 1%

D6A / DIML6A and D6E / DIML6E Dimmer Compatibility Chart					
Manufacturer	Product	Part Number	Dimmed Light Output Range	Qty Fixtures Per Dimmer*	
120V & 277V			DIML6A 6E	Refer to manufacturer's dimmer load rating for maximum and minimum fixture quantities per dimmer. Enlighted compatible.	
Lutron	Diva	DVTV/NFTV with PP-20	99% - 0.1%		1%
Lutron	Nova T	NTFTV with PP-20	99% - 0.1%		1%
Lutron	Energi Savr Node	QSN-4T16-S	100% - 0.1%		1%
Lutron	GP Dimming Panels	TVM2 Module	99% - 0.1%		1%
Lutron	Interfaces	GRX-TVI w/ GRX3503	100% - 0.1%		1%
Sensor Switch	nIO	nIO EZ	100% - 0.1%		1%
enlighted	Control Unit	CU-3E-1R	100% - 0.1%	1%	

D6B / DIML6B and D6F / DIML6F LED Dimming Compatibility Table

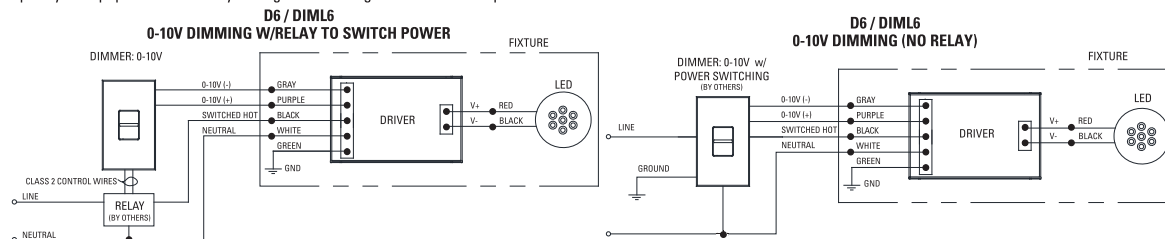
D6B / DIML6B and D6F / DIML6F are logarithmic-programmed dimming drivers for use with the dimming controls listed in the table below.

D6B / DIML6B = EldoLED SOLOdrive 0-10V control dims from 100% to 0.1% D6F / DIML6F = EldoLED ECOdrive 0-10V control dims from 100% to 1%

D6B / DIML6B and D6F / DIML6F Dimmer Compatibility Chart					
Manufacturer	Product	Part Number	Dimmed Light Output Range	Qty Fixtures Per Dimmer*	
120V & 277V			DIML6B 6F	Refer to manufacturer's dimmer load rating for maximum and minimum fixture quantities per dimmer. Enlighted compatible.	
Bush-Jaeger	Electronic potentiometer	2112U-101	100% - 0.1%		1%
Jung	Electronic potentiometer	240-10	100% - 0.1%		1%
Leviton	Illuma Tech dimmer	IP710-DLX	100% - 0.1%		1%
Lightolier (Philips)	Momentum (120V ONLY)	ZP600FAM120	100% - 0.1%		1%
Merten	Electronic potentiometer	5729	100% - 0.1%		1%
Pass & Seymour	Titan	CD4FB-W	100% - 0.1%		1%
Watt Stopper	Miro	DCLV1	100% - 0.1%		1%
Synergy	Wallbox Dimmers	ISD BC	100% - 0.1%		1%
ABB	i-bus	SD/S 2.16.1	100% - 0.1%		1%
Crestron	Modules	GLX-DIMFLV8, GLXP-DIMFLV8	100% - 0.1%		1%
Crestron	Green Light	GLPAC-DIMFLV4-, GLPAC-DIMFLV8-	100% - 0.1%		1%
Crestron	Green Light Power Pack	GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM	100% - 0.1%		1%
Crestron	DIN Rail Analog Output Module	DIN-A08	100% - 0.1%		1%
Crestron	DIN Rail 0-10V Fluorescent Dimmer	DIN-4DIMFLV4	100% - 0.1%		1%
Crestron	iLux 0-10V Dimmer Expansion Module	CLS-EXP-DIMFLV	100% - 0.1%		1%
enlighted	Control Unit	CU-3E-1R	100% - 0.1%		1%

DIMMING DRIVER WIRING SCHEMES:

NOTES: Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.



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I2-264-6 Revised 08/16/2019



Type: E2



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DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D19 / DIML19

DIMMING DRIVER WIRING SCHEMES:

NOTES:

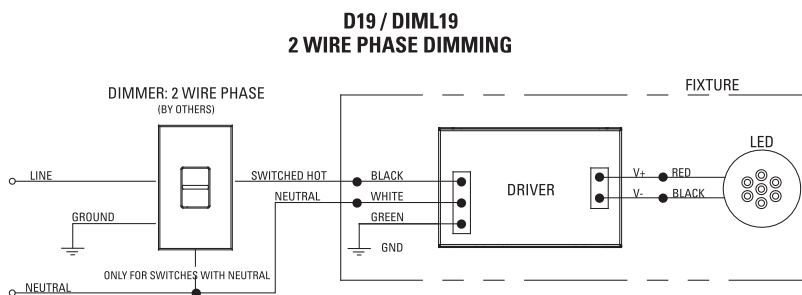
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

IMPORTANT SAFETY INSTRUCTIONS

- SAVE THESE INSTRUCTIONS

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2. Only qualified electricians in accordance with local codes should install these fixtures.
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5. Cap any wires not used separately (not together).

D19 / DIML19 LED: Hatch XTC series or equivalent - Forward and Reverse Phase Dimming Driver.
Dims down to 1% contingent upon dimmer specification and load. 120V only.



D19 / DIML19 Dimmer Compatibility Chart

120V ONLY		
Forward Phase / TRIAC Dimming		
Manufacturer	Product	Qty Fixtures Per Dimmer
Leviton	IPL06-10Z	Use fixture wattage per
	6613-xxx	fixture specification
Lutron	S-600P	sheet to determine
	S-603P	number of fixtures
	DVSC-603P	per dimmer. Max number
	CT-600P	of fixtures is limited by
	CT-603P	dimmer load rating.

120V ONLY		
Reverse Phase / ELV Dimming		
Manufacturer	Product	Qty Fixtures Per Dimmer
Leviton	6615	Use fixture wattage per
	IPE04-xxx	fixture specification
Lutron	NTELV-300	sheet to determine
	NTELV-600	number of fixtures
	SELV-300P	per dimmer. Max number
	SELV-303P	of fixtures is limited by
	DVELV-300P	dimmer load rating.
	DVELV-303P	



Type: E2



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DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D22

DIMMING DRIVER WIRING SCHEMES:

NOTES:

Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

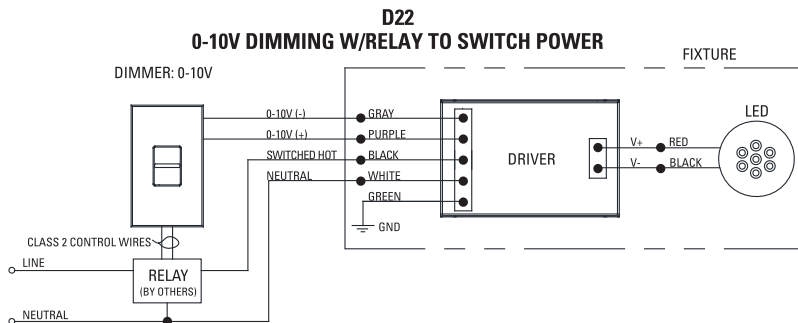
IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

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5. Cap any wires not used separately (not together).

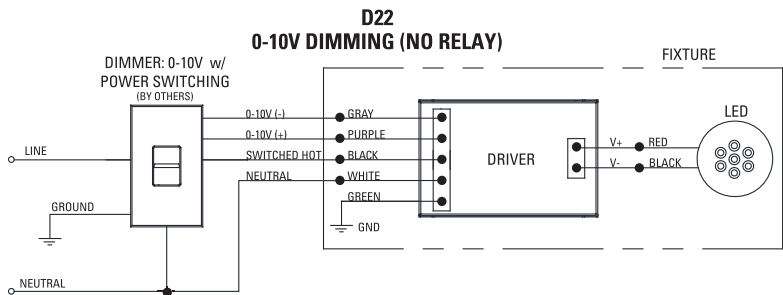
D22 LED: ERP ESS 0-10V Dimming Driver Wiring (Dims down to 1%)

D22 Dimmer Compatibility Chart				
Manufacturer	Product	Part Number	Dimmed Light Output Range	Qty Fixtures Per Dimmer*
120V / 277V				
Crestron	iLux dimmer expansion module	CLS-EXP-DIMFLV	100% - 1%	Use source current per fixture specification sheet to determine number of fixtures per dimmer. Max number of fixtures is limited by dimmer load rating.
Crestron	DIN Rail dimmer	DIN-4DIMFLV4	100% - 1%	
Crestron	DIN Rail analog output module	DIN-A08	100% - 1%	
Crestron	8 Channel dimmer module	GLX-DIMFLV8	100% - 1%	
Crestron	8 Channel dimmer module	GLXP-DIMFLV8	100% - 1%	
Leviton	IllumaTech dimmer	IP710-DLX	100% - 1%	
Lutron	Nova T	NFTV-XX	100% - 1%	
Lutron	Diva	DVTV-XX	100% - 1%	

* NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details.



NOTE:
If switched, non-dimming operation is desired, cap off purple and gray wires individually at installation. Do NOT cap purple and gray wires together.



NOTE:
If switched, non-dimming operation is desired, cap off purple and gray wires individually at installation. Do NOT cap purple and gray wires together.



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12-264-22 Revised 12/18/2019



Type: E2



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DIMMING DRIVER COMPATIBILITY SELECTION GUIDE D22 Continued

DIMMING DRIVER WIRING SCHEMES:

NOTES:

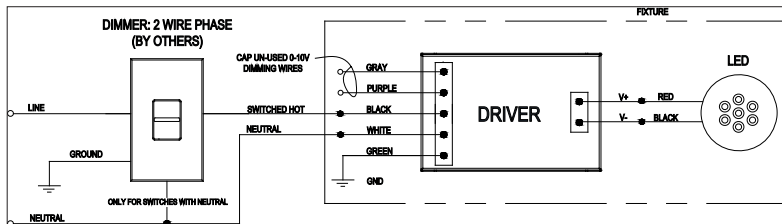
Wiring diagrams are examples of typical installations intended to illustrate the number of wires that must be run to fixture. These diagrams are not intended to specify all equipment necessary for a given dimming circuit. Refer to specific dimmer manufacturer's documentation for details.

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4. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
5. Cap any wires not used separately (not together).

D22 LED: ERP ESS series or equivalent - Forward and Reverse Phase Dimming Driver.
Dims down to 1% contingent upon dimmer specification and load (see compatibility chart below). 120V only.

D22 2 WIRE PHASE DIMMING



D22 Dimmer Compatibility Chart

120V ONLY PHASE DIMMING				
Dimmer Information		Dimming Range		Qty Fixtures
Manufacturer	Product	Maximum	Minimum	Per Dimmer
Cooper	DAL06P	100%	0%	Use fixture wattage per fixture specification sheet to determine maximum number of fixtures per dimmer. Max number of fixtures is limited by dimmer load rating per dimmer specification sheet.
	DLC03P	100%	0%	
	SLC03P	100%	0%	
Leviton	6161	99%	10%	
	6631-2	100%	0%	
	6633-P	100%	0%	
	6673-10W	99%	6%	
	6683-1W	100%	2%	
	IPE04	100%	3%	
	IPI06-1LZ	99%	0%	
Lightolier	VPE06	100%	5%	
	ZP260QEW	99%	3%	
Lutron	CT103P	99%	6%	
	DV600P	99%	3%	
	DVCL-153P	99%	0%	
	DVELV303P	97%	3%	
	FAELV500	99%	7%	
	LG600P	99%	5%	
	MAELV600	99%	7%	
	S600P	99%	1%	
	S-603PG	86%	4%	
	SELV300P	97%	3%	
	TG-600P	99%	13%	
TGCL-153P	99%	2%		



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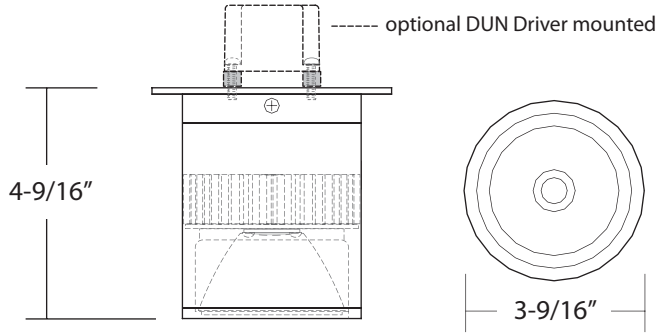
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12-264-22 Revised 12/18/2019



DL340 - 4" ROUND CEILING DOWNLIGHT (IP65) - 1000LM/1500LM SURFACE CEILING OR PENDANT MOUNT



SPECIFICATION

Application: This DL Series covered ceiling mount down light can be used in both interior and outdoor settings. Typical locations are in commercial and retail spaces that require lighting from above. Dark Sky compliant.

Housing: Constructed from a round one piece high grade aluminum extrusion, die cast aluminum top plate, and faceplate with a powder coat finish. Includes COB LED, reflector, LED driver and a mounting plate. Top plate is secured to housing by threads. Mounting plate is secured to top plate with two (2) flat head phillips stainless steel screws and installs onto an electrical junction box. Consult factory for junction box mounting sizes.

Mounting: Fixture includes a mounting bracket for installation directly to a 3-1/2" or 4" octagonal electrical junction-box. Can also be mounted as a 12" - 48" pendant (LPCMDL4).

Faceplate: Round one piece extruded aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by threads.

Reflector Construction: One piece, heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. See ordering guide for delivered lumens.

Dimming: (UE-DUN) UniDim™ dimming option is a universal dimming system that works with most 120V, 3-wire ELV, 2-wire incandescent and 120V/277V, 5-wire 0-10V fluorescent dimmers. (UE-D10) 0-10V dimming works with most 5-wire, 0-10V dimmers. Factory qualified for use with Leviton IP710-DLZ. (-DIN) dimming option smoothly dims down to 5% of initial light output with flicker-free performance. Works with standard 120V incandescent dimmers.

Electrical: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted. Power Factor > 0.90. For cold weather applications (-22°C and above) use -DUN driver option.

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch and plate cover included. (-EMAC) is not wet location rated, and must be mounted in a dry area.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60 degrees C. Doing so will result in reduced lamp life and voided warranty.

Note: Dark Sky compliant.

Listing: ETL / cETL Listed. Suitable for wet location. Assembled in USA. (IP65).

Finish: A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Standard finishes are White, Silver, Basic Bronze, Black. Special order finishes are Light Silver*, Dark Grey*, Metallic Gold* and Metallic Black*.

Beam Spread: Available in Wide Flood, 2° Pencil Beam, Narrow Spot, Spot, Flood and Wall Wash Optic.

LED: Energy efficient Chip-On-Board (COB) Singular LED Light Source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED Source products. Binned with 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K, 1700K*, 2700K, 2700K 97CRI*, 3000K, 3000K 97CRI*, 3500K, and 5000K.

Benefit

- Energy efficient, low glare LED Chip-On-Board light engine
- Beam spreads include NS, SP, FL, WFL and 2° Pencil Beam
- Emergency back up available
- Singular COB Light Source
- 5 year limited warranty

2021.05.26



ORDERING EXAMPLE : DL340B-L15-B20-T17

DL340	FINISH	LUMEN ¹	BEAM SPREAD	DIMMING	LED	OPTIONS
DL340	W :White S :Silver BZ :Basic Bronze B :Black LS :Light Silver* DG :Dark Grey* MG :Metallic Gold* MB :Metallic Black*	Blank :1000lm (15W) -L15 :1500lm (22W)	Blank :Wide Flood -B02 :2° Pencil Beam -B10 :Narrow Spot -B20 :Spot -B45 :Flood -BWV:Wall Wash Optic	Blank :Non-Dimming (120V) UE-DUN :UniDim™ (120V/277V)** UE-D10 :120V/277V 0-10V Dimming -DIN :2-Wire 10% Dimming (120V)	Blank :4000K -T17 :1700K* -T27 :2700K -T27-C97 :2700K, 97CRI* -T30 :3000K -T30-C97 :3000K, 97CRI* -T35 :3500K -T50 :5000K	Blank :None -EMAC :Emergency Back Up -FR :Frosted Lens -JB :Integral Junction Box** -LVR :Hex-Cell Louver*

¹(Blank) 1000lm (15W) color temperature is 80CRI minimum, and is not available in 90 plus CRI. (-L15) 1500lm (22W) is 90CRI minimum with optional 97CRI.

*Special Order. Minimum order, extended lead time may apply. Consult factory. (Finish options 50 piece minimum. 10-12 week lead time)
**DUN Option comes with externally mounted driver. Not for use with Integral Junction Boxes, Flat Junction Boxes or Pendant Systems.

Type: EXTERIOR STRING LIGHTS

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Construction Documents
July 30, 2021

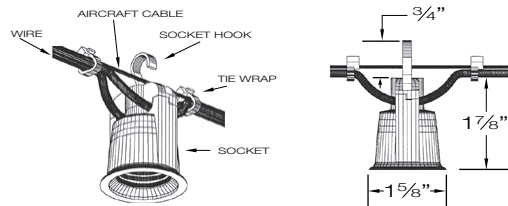


LED – DECOSTRING SERIES

SUSPENDED DECORATIVE STRINGLIGHT SYSTEMS



PROJECT:
TYPE:



SOCKET, WIRE & CABLE DETAILS

Decostrings are a perfect accent lighting solution to add a personal ambience to patios, courtyards, atriums, restaurants, amusement parks and any open area. The "festoon" lighting system is typically strung between two anchorage points with optional intermediary support and electrically fed from one end. The sockets can be either symmetrically spaced or randomly spaced to suit the application. Optional shades, guards and lenses complete the architectural design.

SPECIFICATIONS

LAMPHOLDER	Black phenolic, medium base UL weatherproof with hook for optional mounting.
POWER CORD	12/2 G. Black flexible duplex cable, UV rated for extended outdoor use.
SUPPORT CABLE	3/32" SS aircraft catenary cable supports the system, 980# test. Heavier cable available.
TERMINATION KITS	Heavy duty stainless steel hardware available.
LAMPS	Wet location rated LED and incandescent medium base A, G or S style lamps.
DIMMING	Dimmable to 10% with ELV trailing edge type dimmers.
VOLTAGE	120V system (1920 watts max load). No driver or transformer required.
ACCESSORIES	Optional brass, aluminum and acrylic shades. Consult factory for custom shades.
PHOTOMETRY	Bare lamp and shielded "BUG" rated .IES files available.
CERTIFICATION	ETL listed for permanent damp or wet installations. 2001431 MADE IN THE USA

PART NUMBER

SERIES	SPACING	VOLTS	LAMP	SHADE-FINISH	TERMINATION KIT	LENGTH
DSD DAMP	12 12"O/C	120 120V	SELECT FROM PAGE 3	OPTIONAL	OPTIONAL	SPECIFY
DSW WET	18 18"O/C			SELECT FROM PAGE 4 & 5 OR LEAVE BLANK	STK STANDARD TERMINATION KIT	
	24 24"O/C				LTK LIGHTWEIGHT TERMINATION KIT	
	36 36"O/C				TBK TURNBUCKLE KIT (SEE PAGE 6)	
	48 48"O/C					
	(OTHER, SPECIFY)					




Type: EXTERIOR STRING LIGHTS

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DECOSTRING LAMPS

LED FILAMENT STYLE LAMPS



S14
S14-24/150 – 24K, 1.5W, 150L, CLEAR
S14-27/150 – 27K, 1.5W, 150L, CLEAR
WHITE OR FROSTED – CONSULT FACTORY



VINTAGE LED LAMPS
CONSULT FACTORY



G16.5
G16.5F-24/325 – 24K, 3.5W, 325L, CLEAR
G16.5F-27/325 – 27K, 3.5W, 325L, CLEAR

G16.5F-24/200 – 24K, 2W, 200L, CLEAR
G16.5F-27/200 – 27K, 2W, 200L, CLEAR

WHITE OR FROSTED – CONSULT FACTORY



A15 & A19
CONSULT FACTORY



S14 VARIOUS COLORS
CONSULT FACTORY



G25
CONSULT FACTORY

* ADD "SC" SUFFIX FOR SILICONE COATING (FOOD SERVICE)

* SEE INDIVIDUAL DATA SHEETS FOR COMPLETE LAMP SPECIFICATIONS

* LED LAMPS SPECIFICALLY WET RATED AND DIM DOWN TO 10% WITH A TRAILING EDGE (ELV) DIMMER.

INCANDESCENT LAMPS (OPTIONAL)



LF
A15 CLEAR 120V 25W



LS
S14 CLEAR 120V 11W
COLORS AVAILABLE



LH-C
G16.5 CLEAR 120V 25W
LH-W
G16.5 WHITE 120V 25W



LG
S11 CLEAR 120V 7.5W
COLORS AVAILABLE

FULL SPECIFICATION SHEETS AVAILABLE AT PRIMUSLIGHTING.COM.



Type: EXTERIOR STRING LIGHTS

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DECOSTRING SHADES & GUARDS

DSC7	7" W X 3" H	CONE SHADE	6 OZ	 	
DSC10	10" W X 3" H	CONE SHADE	9 OZ		
DSC12	12" W X 4" H	CONE SHADE	18 OZ		
FINISH: ACID ETCHED BRASS OR POWDER COAT PROVIDES 0/0/0 BUG RATING					
<i>SHOWN: AGED BRASS (AB)</i>					
DSH4	4" W X 1 7/8" H	HAT SHADE	2 OZ	 	
DSH6	6" W X 2 1/4" H	HAT SHADE	4 OZ		
DSH8	8" W X 2 3/4" H	HAT SHADE	6 OZ		
FINISH: ACID ETCHED BRASS OR POWDER COAT FACTORY INSTALLED					
<i>SHOWN: VERDE BRASS (VB)</i>					
DSRW4	4" W X 1 7/8" H	RADIAL WAVE SHADE	2 OZ	 	
DSRW6	6" W X 2 1/4" H	RADIAL WAVE SHADE	4 OZ		
DSRW8	8" W X 2 3/4" H	RADIAL WAVE SHADE	6 OZ		
FINISH: ACID ETCHED BRASS OR POWDER COAT FACTORY INSTALLED					
<i>SHOWN: POWDER COAT BLACK (PCB)</i>					
DST4P	4" W X 6" H	PERFORATED TUBE SHADE	11 OZ	 	
DST6P	6" W X 8" H	PERFORATED TUBE SHADE	22 OZ		
FINISH: ACID ETCHED BRASS OR POWDER COAT					
<i>SHOWN: RAW (RB)</i>					
DST4C	4" W X 6" H	WIRE CAGE TUBE	9 OZ	 	
DST6C	6" W X 8" H	WIRE CAGE TUBE	15 OZ		
FINISH: ACID ETCHED BRASS OR POWDER COAT					
<i>SHOWN: AGED BRASS (AB)</i>					
DSRG	6" W X 5 1/8" H	ROUND SHADE WITH GUARD	9 OZ	 	
FINISH: ACID ETCHED BRASS OR POWDER COAT * DELETE "G" FOR NO GUARD.					
FACTORY INSTALLED					
<i>SHOWN: CUSTOM TEXTURED BRONZE</i>					
DSWG	3 7/8" W X 5 5/8" H	WIRE GUARD	6 OZ	 	
FINISH: CAD PLATED OR POWDER COAT BLACK CAN BE USED WITH CONE SHADE DSC10, DSC12					
<i>SHOWN: POWDER COAT BLACK (PCB)</i>					



Type: EXTERIOR STRING LIGHTS

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DECOSTRING SHADES & GUARDS

DSSLG	3 1/2" W X 4 1/2" H ALUMINUM SQUARE LAMP GUARD	3 OZ			SHOWN: BRUSHED ALUMINIUM (BA)
DSRLG	5" W X 4" H METAL ROUND LAMP GUARD	6 OZ			SHOWN: POWDER COAT SILVER (PCS)
DST3A	3" W X 6" H ACRYLIC TUBE SHADE	8 OZ			SHOWN: OPAL WHITE (O)
DST5A	5" W X 8" H ACRYLIC TUBE SHADE	14 OZ			
DSS8	8" DIAMETER ACRYLIC SPHERE	9 OZ			SHOWN: OPAL WHITE & CLEAR (O & C)
DSS10	10" DIAMETER ACRYLIC SPHERE	16 OZ			
DSS12	12" DIAMETER ACRYLIC SPHERE	22 OZ			
DSQ8	8" DIAMETER ACRYLIC SOFT CUBE SHADE	12 OZ			SHOWN: FROSTED (F)
DSQ10	10" DIAMETER ACRYLIC SOFT CUBE SHADE	20 OZ			
DSQ12	12" DIAMETER ACRYLIC SOFT CUBE SHADE	26 OZ			

SHADES & GUARDS FINISH CODES

RAW & ACID ETCHED FINISHES

	AB – AGED BRASS <i>(MOST POPULAR)</i>
	VB – VERDE BRASS
	RB – RAW BRASS
	BA – BRUSHED ALUM

POWDER COAT FINISHES

	PCW – POWDER COAT WHITE
	PCB – POWDER COAT BLACK
	PCS – POWDER COAT SILVER
	PCC – POWDER COAT (CUSTOM) PROVIDE RAL COLOR

ACRYLIC FINISHES

	O – OPAL WHITE
	C – CLEAR
	F – FROSTED

SHADES & GUARDS FINISH NOTES

- Decostring shades are hand crafted from solid brass or aluminum and feature either chemical etched or powder coat finishes.
- Most shades are shipped separately and attached to cable system with a tool-less keeper ring.
- All shades and guards dimensions are nominal.
- Please contact us for material, finish and shape variations or custom designs.



Type: EXTERIOR STRING LIGHTS

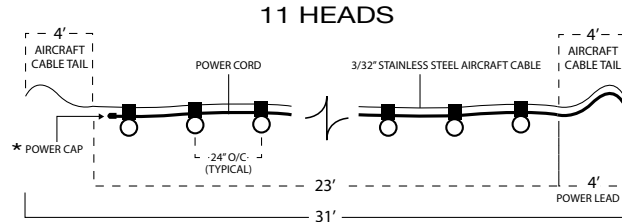
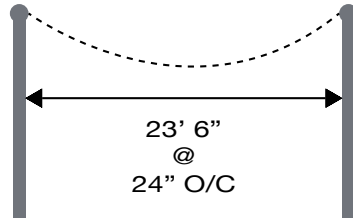
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SPECIFICATIONS & GUIDELINES

Decostrings are ordered and built to specific run lengths and include 4' aircraft cable tails on each end and a 4' power lead on one end for adjustment and make-up. Order the measured length between mounting points rounded down to the nearest foot which allows for ample droop and centering adjustment. See "Installation Guide" for detailed instructions. Estimate dead weight load at 5oz/ft. for most common 24" O/C spacing. A simple straight run example is shown below resulting in a 23' run to order.

Example:



* OPTIONAL: LEADS BOTH ENDS FOR SPLICING

TERMINATION KITS

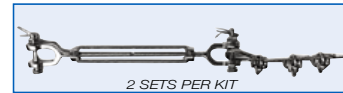
Commercial grade heavy duty stainless steel cable termination kits. System working load 175# using standard *Decostring* 3/32" suspension cable to attach to typically a 1/4" eye or mounting tab (by others). Complete hardware for both cable ends. Order (1) kit per run. Other components available.



STK
STANDARD TERMINATION KIT
For Drooped Suspension | 5/16" Gate



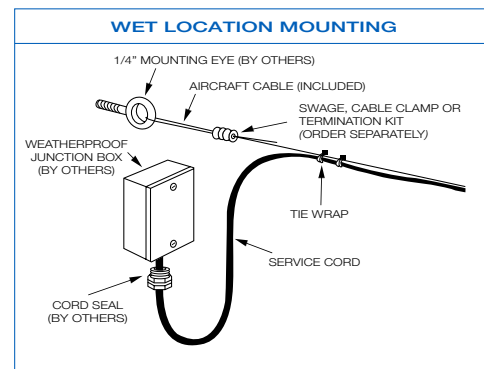
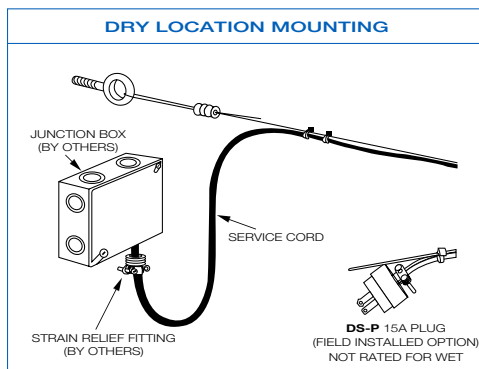
LTK
LIGHTWEIGHT TERMINATION KIT
Maximum Working Load 30 LBS



TBK
TURNBUCKLE KIT
Only for Tensioned Suspension | 7/16" Gate

POWER CONNECTIONS

Decostrings are designed to be permanently installed and hard wired to a junction box. Customary wet location make-up includes a drip loop and mechanical termination to a weatherproof j-box using an appropriate nylon cord grip



Type: EXTERIOR STRING LIGHTS

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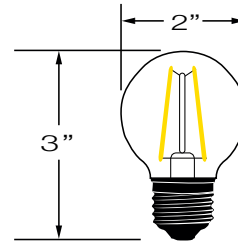


G16.5 FILAMENT LED LAMPS

WET RATED LED LAMPS FOR DECOSTRING & MARQUIS



PROJECT:
TYPE:



SPECIFICATIONS

SOURCE	Filament Style LED
BASE	Medium Base E26
LENS	Clear Glass
VOLTAGE	120V – No Driver Required
DIMMING	100–10% with ELV Type Dimmer (Reverse Phase Cut)
LAMP LIFE	25,000 Hours / 3 Year Limited Warranty
CERTIFICATION	CSA-C-US Wet Location

PERFORMANCE

LED COLOR	WATTS	LUMENS	INCANDESCENT EQUIVALENT
WHITE 2400K	3.5	330	40 WATT
WHITE 2700K	3.5	350	40 WATT
WHITE 2400K	2	200	20 WATT
WHITE 2700K	2	200	20 WATT

PART NUMBER

PLED-G16.5F-3.5W-24K	(3.5W, 2400K, 325 LUMENS)
PLED-G16.5F-3.5W-27K	(3.5W, 2700K, 325 LUMENS)
PLED-G16.5F-2W-24K	(2W, 2400K, 200 LUMENS)
PLED-G16.5F-2W-27K	(2W, 2700K, 200 LUMENS)

SPECIFICATIONS ARE SUBJECT TO CHANGE
DUE TO CONTINUOUS ADVANCES IN TECHNOLOGY
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Type: EXTERIOR STRING LIGHTS

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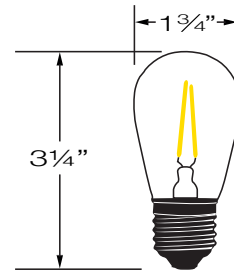


S14 FILAMENT LED LAMPS

WET RATED LED LAMPS FOR DECOSTRING & MARQUIS



PROJECT:	
TYPE:	



SPECIFICATIONS

SOURCE	Filament Style LED
BASE	Medium Base E26
LENS	Clear Glass
VOLTAGE	120V – No Driver Required
DIMMING	100–10% with ELV Type Dimmer (Reverse Phase Cut)
LAMP LIFE	25,000 Hours / 3 Year Limited Warranty
CERTIFICATION	C Wet Location



ALSO AVAILABLE IN A VARIETY OF COLORS
*CONSULT FACTORY FOR AVAILABILITY

PERFORMANCE

LED COLOR	WATTS	LUMENS	INCANDESCENT EQUIVALENT
WHITE 2400K	1.5	150	20 WATT
WHITE 2700K	1.5	150	20 WATT
COLORS	1.0	N/A	11 WATT

PART NUMBER

PLED-S14F-24K-150	(2400K, 150 LUMENS)
PLED-S14F-27K-150	(2700K, 150 LUMENS)
PLED-S14F-B	(BLUE) [CONSULT FACTORY FOR AVAILABILITY]
PLED-S14F-G	(GREEN) [CONSULT FACTORY FOR AVAILABILITY]
PLED-S14F-R	(RED) [CONSULT FACTORY FOR AVAILABILITY]
PLED-S14F-Y	(YELLOW) [CONSULT FACTORY FOR AVAILABILITY]

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Type: X1 / X2

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RL

Reliance Series Thermoplastic LED Exit Sign

DATE:	COMMENTS:
PROJECT	



FEATURES

- Damp location listed
- Super bright, long-life LEDs
- Quick-connect components
- Snap-on canopy for easy installation
- Standard, universal face plates for both single and double face
- Nickel cadmium battery provides 3 hours of emergency operation
- Sealed external momentary test switch and dual-diagnostic LED indicator display AC status and Hi-Charge status
- Self-Test/Self-Diagnostic monitoring available
- Low voltage cut-off prevents battery damage and ensures positive charge acceptance following extended discharge
- Line latch prevents unnecessary discharge of battery during installation — loads will not illuminate until after application of utility power
- 120/277 VAC field-selectable inputs (with the exception of the C1/C2 (dual-circuit) option which requires voltage specification upon ordering)



ORDERING INFORMATION *RL-AC-G-U-BK-MTEBP*

1. SERIES	2. OPERATION	3. ILLUMINATION	4. FACE COUNT	5. FRAME COLOR
RL	-	-	U	-
	AC AC Only EM Ni-Cad Battery Backup	G Green R Red	U Universal	BK Black WH White
6. MOUNTING	7. OPTIONS			
MTEB Universal Mount MPA 12" Pendant Mount MPB 24" Pendant Mount MPC 36" Pendant Mount MPD 48" Pendant Mount	BLANK = NO OPTION SD Self-Diagnostics (EM Only) C1 Dual Circuit (120 VAC) (AC Only) C2 Dual Circuit (277 VAC) (AC Only) CW Custom Wording			

ACCESSORIES; ORDER SEPARATELY

- WG 2 = Wire guard 14.0" X 10.0" X 4.5"
- WG 3 = Wire guard 14.5" X 6.0" X 10.5"
- WG 10 = Wire guard 13.5" X 12.0" X 16.5"



Type: X1 / X2



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RL

Reliance Series Thermoplastic LED Exit Sign



CONSTRUCTION

- UV stabilized, UL94V-O flame retardant, ABS injection-molded thermoplastic

ELECTRICAL

- Input Power (EM): 4.2W Max
- Input Power (AC): 6.4W Max

LETTERS

- 6.0" high; 0.75" stroke

ARROWS

- NFPA-Type, field selectable chevrons

TEMPERATURE RATING

- From 32°F to 122°F

APPROVALS

- UL 924
- CEC Title 20 Compliant
- UL Listed for Damp Location
- NFPA Life Safety Code 101
- NFPA 70 - NEC
- OSHA

WARRANTY

Isolite offers a 3-year limited warranty. For further details, refer to General Warranty and Obligations in the Isolite manual or on our website.

DIMENSIONS

