Vicinty Map

NORTH

THE CITY OF SPARKS

NUGGET EVENTS CENTER FORECOURT

1040 Victorian Ave, Sparks, NV 89431

100% CONSTRUCTION DOCUMENTS

BID # 22/23-009

PWP #WA-2023-077

Issued: September 21, 2022

SET NO. 1

Project Description

Add note:

The Nugget Events Center Forecourt project is located at 1040 Victorian Ave, Sparks, NV , as illustrated. The proposed work scope reflects a comprehensive re-design of the plaza on the south side of the Nugget Events Center.

The Construction Documents package includes landscape architecture, irrigation documents, site lighting, architecture, civil, electrical, mechanical, and structural engineering. Documents for survey and geotechnical are issued under separate packages.

The work contained within these documents consists of the primary elements listed below. Additional detail is provided within Division 1 Specifications - General Requirement, Section 011000 - Summary.

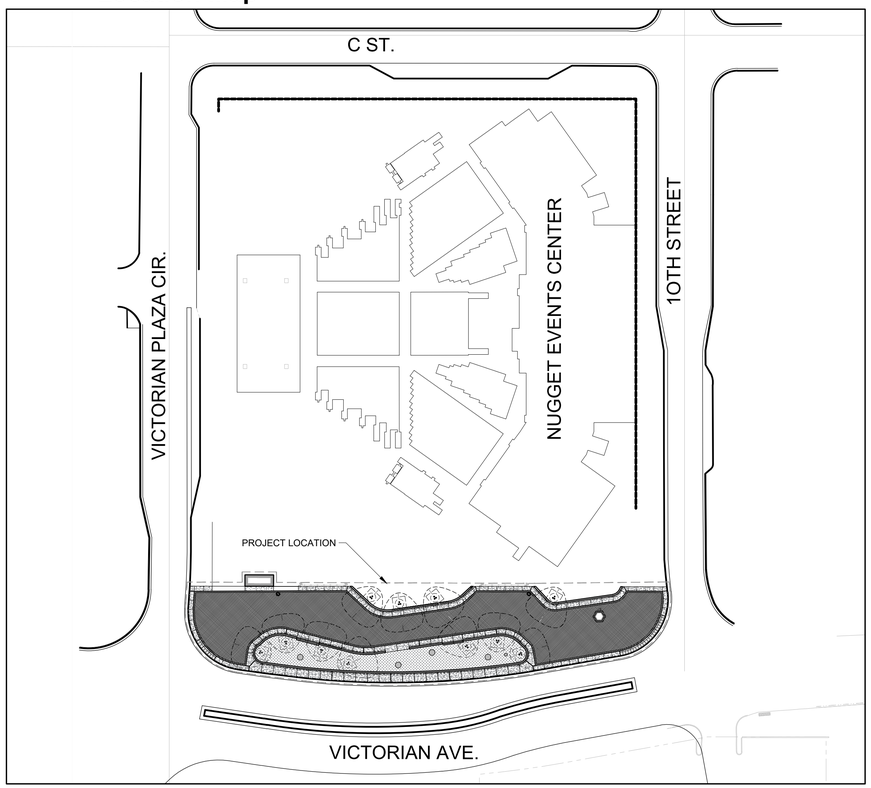
1. Establish required protections to maintain and protect limit of work.
2. Demolish existing pavements and walls, within the project limit of work.
3. Salvage and relocate existing trash receptacles.
4. Salvage existing light poles and speakers and provide to the City.
5. Salvage and relocate existing ticket booth
6. Disconnect and abandon portions of existing electrical service.
7. Provide drainage piping, drainage sumps and inlets.
8. Provide new electrical infrastructure and service for lighting and A/V.
9. Provide new lighting and A/V.
10. Provide shade structures / foundations.
11. Provide precast walls / foundations.
12. Provide concrete flatwork and unit paving.
13. Provide irrigation system.
14. Provide trees, shrubs and ornamental grasses.
15. Provide artificial turf.
16. Coordinate all work with associated disciplines and trades.

Signatures

Jon R. Ericson, PE, P.T.O.E.
City Engineer

Date

Location Map



0 25 50 100
ORIGINAL SCALE: 1"=50'-0"

NORTH

Sheet Index

** Indicates sheet needs to be printed in color.*

Note: As part of this project, the Contractor shall maintain a complete, up-to-date set of all Drawings and Specifications available for review at the construction site by the Owner's Representative and Landscape Architect. In addition, the Contractor shall ensure all installations and coordination by all trades occurs in accordance with the above revisions.

OWNER:
CITY OF SPARKS
431 Prater Way
Sparks, Nevada
Tel: (775) 353-5555

LANDSCAPE ARCHITECT:
DESIGNWORKSHOP
1390 Lawrence Street
Suite 100
Denver, Colorado 80204
Tel: (303) 623-5186

CIVIL ENGINEER:
ODYSSEY ENGINEERING
895 Roberta Lane,
Suite 104
Sparks, Nevada 89431
Tel: (775) 359-3303

IRRIGATION DESIGN:
HINES
323 West Drake Road
Suite 204
Fort Collins, CO 80526
Tel: (970) 282-1800

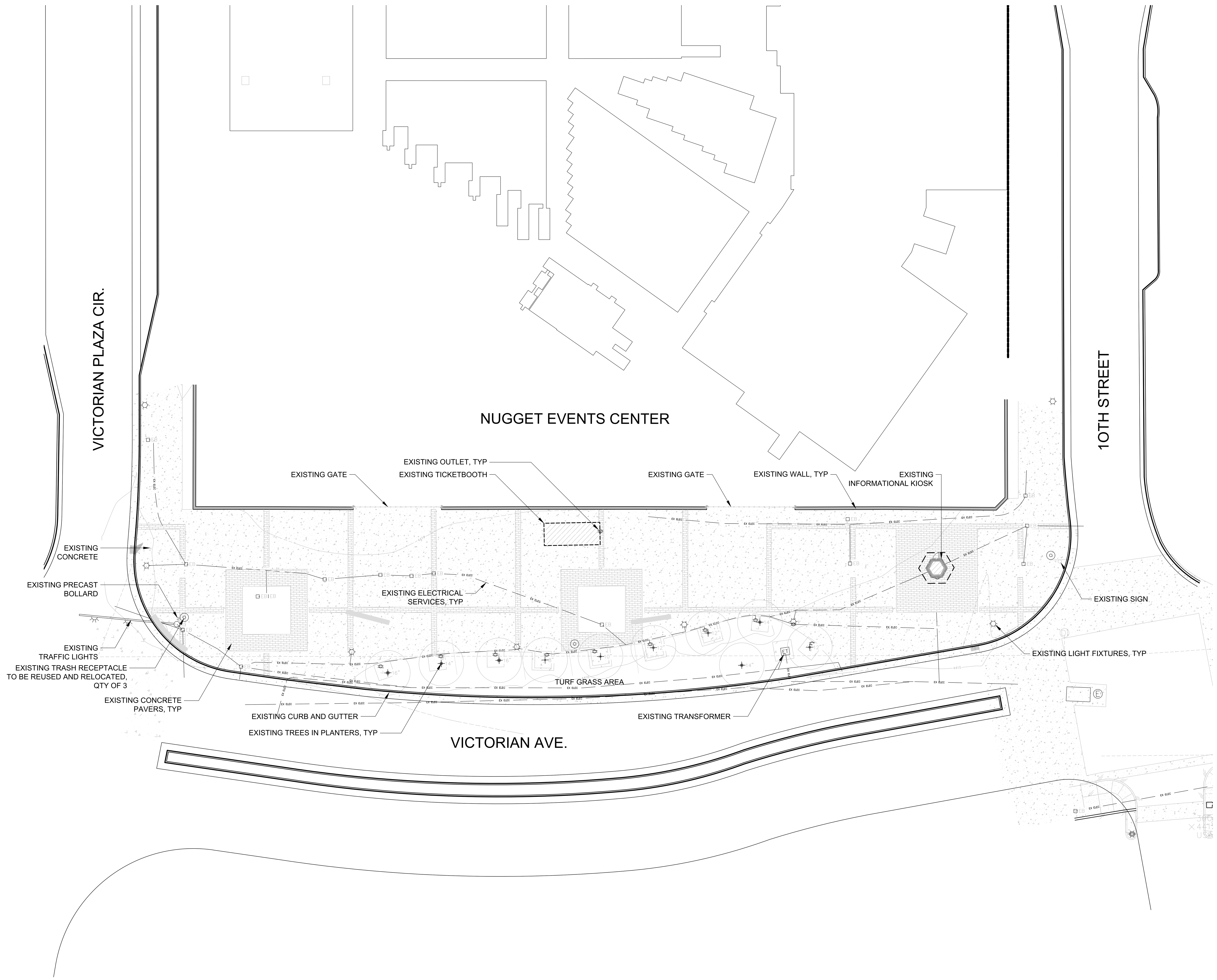
ARCHITECT:
GENSLER
1225 17th Street
Suite 150
Denver, CO 80202
Tel: (303) 595-8585

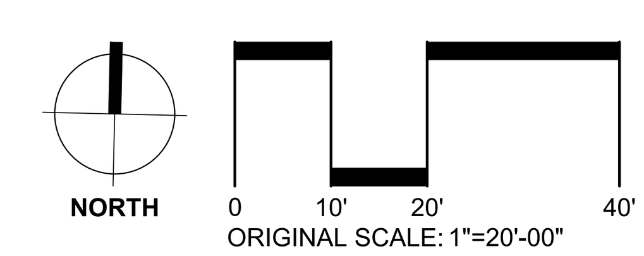
STRUCTURAL ENGINEER:
LINCHPIN
10031 West River Street
Truckee, CA 96161
Tel: (530) 563-6341

ELECTRICAL ENGINEER:
PK ELECTRICAL
4601 DTC Blvd #740,
Denver, CO 80237
Tel: (720) 481-3290

DW Project Number: 6834

Odyssey Engineering, Inc. prepared the survey for this project. It has been reformatted for use in and for preperation of these documents. Contractor shall obtain officially signed copy from Odyssey Engineering, Inc. (895 RObertа Lane, Suite 104 Sparks, Nevada 89431, Phone - (775) 359-3303) and become familiar with it, the existing conditions, and site context prior to construction. All discrepancies should be brought to the attention of the Landscape Architect or Owner's representatives for immediate resolution. Landscape Architect is not responsible for errors or omissions associated with preperation or documentation of survey.





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Facsimile (303) 623-2260

W W W . D E S I G N W O R K S H O P . C O M

NUGGET EVENTS CENTER FORECOURT

THE CITY OF SPARKS

SPARKS, NV

REGISTERED LANDSCAPE ARCHITECT
Steve Noll
510
Expires: June 30, 2021
STATE OF NEVADA

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: AW REVIEWED: MG

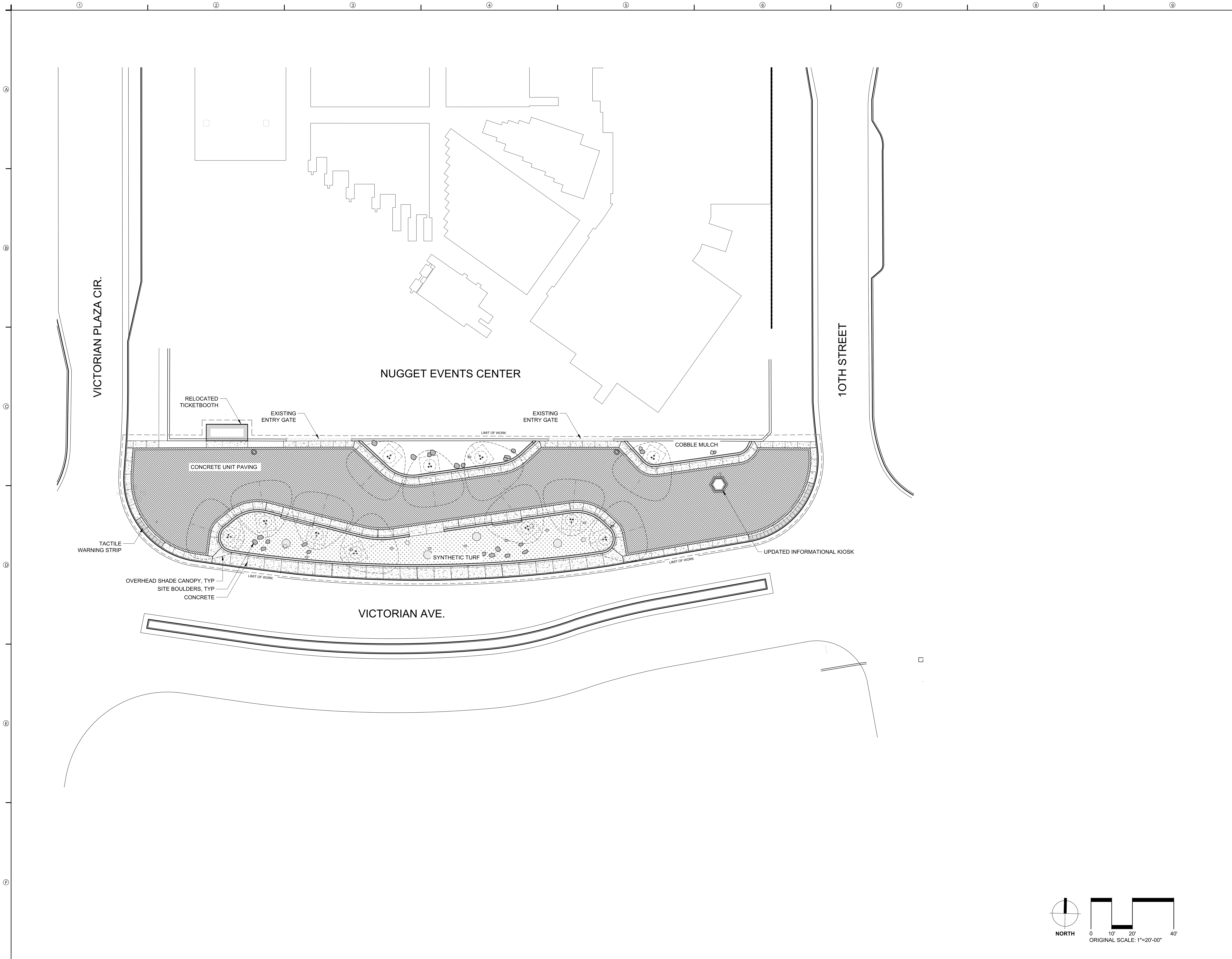
100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

EXISTING CONDITIONS PLAN

SHEET NUMBER

L0-01



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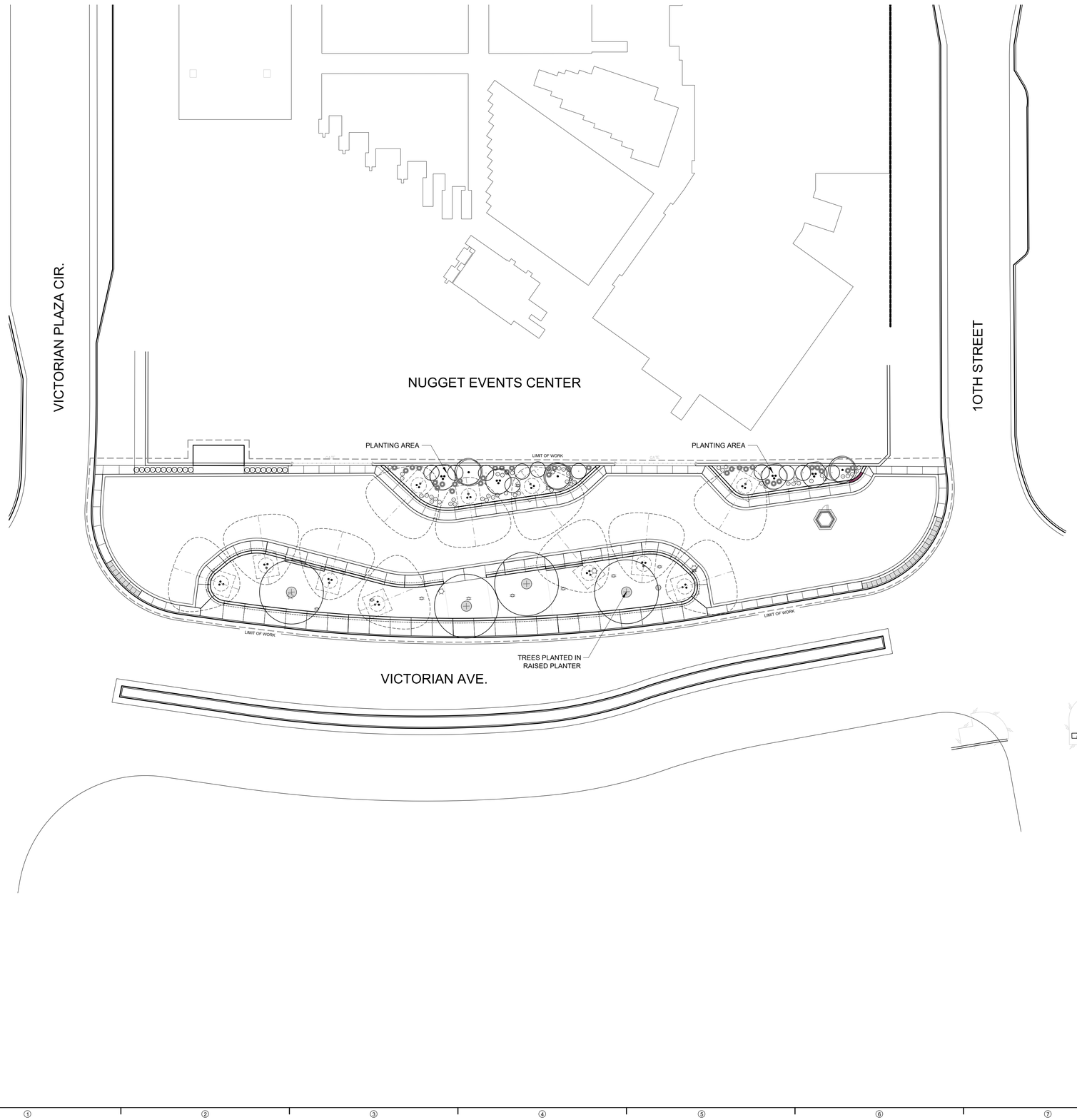
100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

SITE HARDSCAPE REFERENCE PLAN

SHEET NUMBER

L0-02



NORTH

0 10' 20' 40'

ORIGINAL SCALE: 1"=20'-00"

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100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

SITE SOFTSCAPE REFERENCE PLAN

SHEET NUMBER

L0-03

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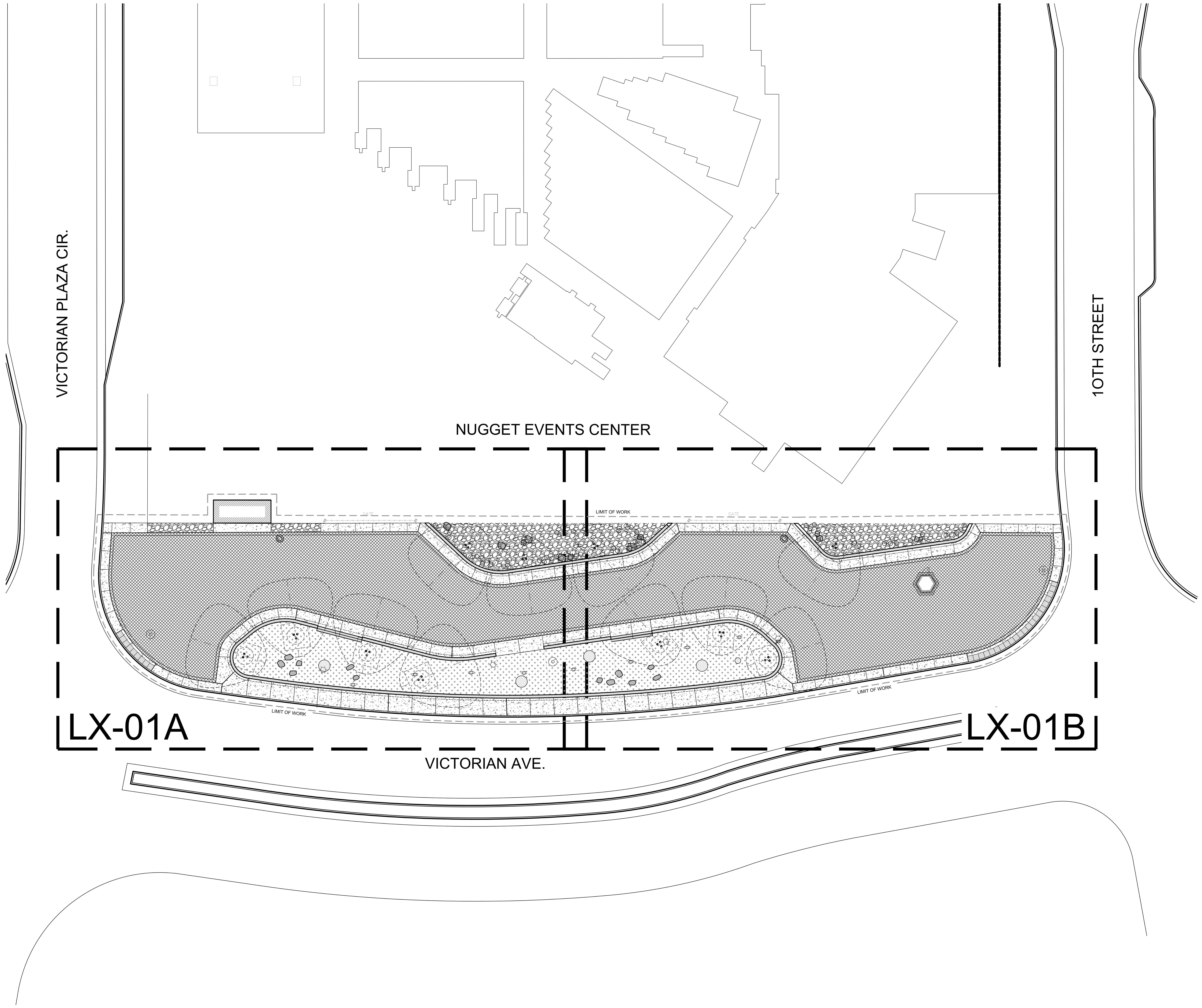

NORTH

0 10' 20' 40'
ORIGINAL SCALE: 1"=20'-00"

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ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: AW REVIEWED: MG

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

SITE REFERENCE KEY PLAN

SHEET NUMBER

L0-04

GENERAL NOTES

1. Odyssey Engineering, Inc. prepared the survey for this project. It has been reformatted for use in and for preparation of these documents. Contractor shall obtain officially signed copy from Odyssey Engineering, Inc. (895 Roberta Lane, Suite 104 Sparks, Nevada 89431, phone - (775) 359-3303) and become familiar with it, the existing conditions and site context prior to construction. All discrepancies should be brought to the attention of the Landscape Architect or Owner's representatives for immediate resolution. Landscape Architect is not responsible for errors or omissions associated with preparation or documentation of survey.
2. Black Eagle Consulting, Inc. prepared the geotechnical investigation and report for this project. It has been referenced during preparation of these documents. Contractor shall obtain officially signed copy from Black Eagle Conculting, Inc. (1345 Capital Boulevard,Suite A Reno, NV, phone - (775) 359-6600) and become familiar with it prior to construction. All discrepancies should be brought to the attention of the landscape architect OR Owner'S Representative for immediate resolution. Design Workshop is not responsible for errors or omissions associated with preparation or documentation of report.
3. Contractor is responsible for determining means and methods for construction. These drawings may indicate a limit of proposed improvements, limits of site demolition, etc. for delineation of expected extents of disturbance, however, final impact shall be determined in the field. Should limits of disturbance exceed boundaries defined in drawings, Contractor shall contact Design Workshop (phone - (303) 623-5186) or owner's representative for resolution.
4. Contractor is responsible for repairing all work disturbed by construction outside of limit lines defined on drawings or through his/her means and methods and General Conditions to a condition acceptable to the owner at no additional cost.
5. Contractor is responsible for protecting all existing conditions, improvements, utilities, etc. to remain. Any damages shall be repaired to a condition acceptable to the owner at no additional cost.
6. Contractor is responsible for maintaining a complete up-to-date set of Drawings and Specifications at the construction site and ensuring the documents are readily available for review by the governing agency.
7. The Drawings and Specifications are complementary to one another and implied to correspond with one another. Any discrepancies should be brought to the attention of the Landscape Architect or owner's representative for immediate resolution.
8. Contact the local underground utility service locator for utility locates and identification prior to commencing work and maintain in field throughout construction unless indicated or directed otherwise.
9. Verify plant protection, stormwater pollution protection plan (SWPPP), existing improvement to remain, and Contractor site control measures are in place prior to commencing with construction. Do not proceed with construction if not in compliance and maintained throughout. Coordinate with Owner's Representative and authorities having jurisdiction as required.

SITE LAYOUT NOTES

1. Layout and dimensions provided on Drawings are based on a combination of stationing and traditional dimensioning (see civil drawings).
2. Verify utility locates, plant protection and stormwater pollution protection plan (SWPPP) measures are in place prior to commencing construction. Do not proceed with construction if not in compliance and maintained throughout.
3. Layout and verify dimensions prior to construction. Field stake all proposed improvements for review and approval by Landscape Architect or owner's representative unless indicated otherwise. Bring discrepancies to the attention of the Landscape Architect or owner's representative for final direction. Landscape Architect or owner's representative reserves right to make field adjustments and layout decisions in field as necessary at no additional cost to owner.
4. Request inspection of field staking by Landscape Architect a minimum of 48 hours in advance of performing any work unless indicated otherwise.
5. For dimensions of buildings refer to the architectural drawings. Copies of these drawings are included herein and are noted "for information only".
6. Written dimensions take precedence over scale. Bring discrepancies to the attention of the Landscape Architect or owner's representative for final direction.
7. Where dimensions are called as "equal," space referenced items equally, measured to their center lines unless otherwise noted.
8. Measurements are to face of building, wall or the fixed site improvement. Dimensions to center lines is indicated.
9. Provide expansion joints where concrete flatwork meets vertical structures such as walls, curbs, steps and building elements.
10. All accessible ramps shall have a minimum clear width of 3'-0" wide unless designated otherwise.

SITE GRADING AND DRAINAGE NOTES

1. Protect existing utilities to remain. Contractor is responsible for all damage to utilities encountered during construction and shall repair at no additional cost to owner.
2. Layout and field stake all proposed landscape grading and drainage improvements for review and approval by Landscape Architect or owner's representative prior to construction unless indicated or directed otherwise.
3. Request inspection of field staking by Landscape Architect or owner's representative a minimum of 24 hours in advance of performing any work unless indicated otherwise.
4. Refer to Civil Engineer's drawings for all design calculations, details, hardscape grading, subsurface piping, overflows/ outfalls, storage basins, erosion control, stormwater pollution protection plans (SWPPP) and connections to site landscape and hardscape drains indicated in drawings unless designated otherwise.

SITE SOILS NOTES

1. Contractor shall coordinate with Owner's Representative for location of stockpile areas for stripped topsoil and planting soil products. Contractor shall ensure area is protected and contamination or disturbance of stored products is not allowed.
2. Contractor shall ensure subgrade is scarified prior to installing planting soil and blend with initial lift or placement of proposed planting soil.
3. Coordinate placement of planting soil with other work, especially utilities. Placement should occur after installation of all hardscape improvements, irrigation system, utilities, etc. and before installation of plants.

LINE SYMBOL LEGEND

PROPOSED		EXISTING
	Property Line	
	Easement Line	
	Setback Line	
	Limit of Work	
	Curb and Gutter	
	Building Wall	
	Roof Overhang	
	Edge of Below Grade Structure	

MATERIALS LEGEND

- CAST-IN-PLACE CONCRETE PAVING
- COBBLE MULCH
- CRUSHED STONE SURFACING
- SYNTHETIC TURF
- CONCRETE UNIT PAVING

SITE LIGHTING NOTES

1. Refer to Design Workshop lighting sheet for information such as exact fixture location, mounting instructions, reference notes, control intent and aiming. Refer to Electrical Engineer's lighting sheet for all power distribution information, controls specification requirements and lighting fixture schedule.
2. The Project's lighting design and attendant light levels are reliant on contribution from City street and intersection lighting. Without this added contribution, light levels dip below I.E.S. "standard of practice" recommendations at the two Plaza corners adjacent to street intersections. See Electrical Engineer's drawings.
3. Control intent plans show fixtures to be switched and/or dimmed together. The control intent plans are meant to be a design aid for the electrical engineer. See electrical engineer's drawings for design load calculations and number of circuits.
4. Electrical contractor to advise lighting designer of conditions in field that conflict with mounting instructions or design intent and await clarification in writing prior to proceeding with installation.
5. Electrical contractor shall have ultimate responsibility for properly matching transformer size to fixtures requiring transformers. Electrical contractor to locate remote transformers and ballasts in owner or Landscape Architect's approved locations that are accessible and as close to fixture as possible. Every effort shall be made by the electrical contractor to properly camouflage remote transformers and ballasts via location and color. In the case of remote low voltage transformers, proper sizing of wire, determined by length of run and amperage required, should be calculated on a case-by-case basis, allowing a voltage drop of no more than 5% at each fixture.
6. Mount continuous fixtures together end to end such that any dead space occurs equally on each end of fixture runs.
7. All dimensions are shown for reference only. Contractor to note relationship of lighting fixtures to adjacent landscape elements on this plan, and retain this relationship when locating fixtures in the field. Where relationships cannot be determined, consult lighting designer or Owner's Representative.
8. Lighting symbols on plans are diagrammatic. Refer to details and specifications for actual dimensions and product information.
9. Lighting pull-boxes, vaults and other in-grade appurtenances shall be flush with adjacent finish grades or surfaces. Notify Landscape Architect if located on a slope greater than 5% for direction.
10. Coordinate with existing and proposed underground utilities. Notify Landscape Architect or Owner's Representative of any conflicts for direction on fixture placement.

LANDSCAPE PLANTING NOTES

1. Refer to Civil Engineer's utility and site grading and drainage plans as required. If actual site conditions vary from what is shown on the plans, contact the Landscape Architect or owner's representative for direction as to how to proceed.
2. Verify locations of pertinent site improvements installed under other sections. If any part of this plan cannot be followed due to site conditions, contact Landscape Architect or owner's representative for instructions prior to commencing work.
3. Exact locations of plant materials shall be approved by the Landscape Architect or owner's representative in the field prior to installation. Stake or otherwise layout all proposed planting for review. Landscape Architect or owner's representative reserves the right to adjust plants to exact location in field.
4. Verify plant counts and square footages. Quantities are provided as Owner information only. If quantities on plant list differ from graphic indications, then graphics shall prevail. If graphics are inconclusive contact Landscape Architect or owner's representative for clarification.
5. Perform excavation in vicinity of underground utilities and existing tree/plant driplines with care and if necessary, by hand. The Contractor bears full responsibility for this work and disruption or damage to utilities and existing trees/plants shall be repaired or replaced immediately at no expense to the Owner.
6. Trees/plants shall bear same relation to finished grade as it bore to existing in place of growth. However, at no point shall it be less than 1 inch above adjacent finish grade.
7. Trees shall be planted a minimum of 10 feet from face of building, except as approved by Landscape Architect or owner's representative.
8. Shrubs shall be planted a minimum of 3 feet from face of building and a minimum of 12 inches, or as indicated, from edge of pavement or on-center, except as approved by Landscape Architect or Owner's Rep.
9. Provide matching forms and sizes for plant materials within each species and size designated on the drawings.
10. Prune newly planted trees only as directed by Landscape Architect or owner's representative.
11. Finish grades of planting areas and lawns shall be flush and meet smoothly and evenly with adjacent paving, providing positive drainage. Shovel V-cut edges shall be provided at planting area transitions to adjacent pavement as indicated to allow for mulch installation.

SYMBOL LEGEND

- Salvaged and Relocated Trash Receptacle
- Precast Seat Wall
- Tactile Warning Strip
- Landscape Boulder
- Shade Structure
- Informational Kiosk

LIGHTING & CONTROL SYMBOL LEGEND

- Adjustable Downlight
- Linear Tape Light
- Poster Panel Backlight
- Surface Mounted Uplight
- Surface Mounted Flood Light
- Ingrade Uplight
- Ingrade Uplight with Half Shield
- 1A/01 — Control Tag Designates Fixture Control Zone

PLANTING LEGEND

- PROPOSED SINGLE-STEM DECIDUOUS TREE
- PROPOSED MULTI-STEM ORNAMENTAL TREE
- PROPOSED ORNAMENTAL ORNAMENTAL TREE
- PROPOSED SHRUB/PERENNIAL
- PROPOSED ORNAMENTAL GRASS

TABLE OF ABBREVIATIONS

APPROX	APPROXIMATE	MH	MANHOLE
ARCH	ARCHITECT	MIN	MINIMUM
AVG	AVERAGE	MISC	MISCELLANEOUS
B&B	BALLED AND BURLAPPED	MTD	MOUNTED
BC	BOTTOM OF CURB	MTL	METAL
BF	BOTTOM OF FOOTING	N	NORTH
BLDG	BUILDING	NIC	NOT IN CONTRACT
BM	BENCHMARK	NO	NUMBER
BOC	BACK OF CURB	NOM	NOMINAL
BR	BOTTOM OF RAMP	NTS	NOT TO SCALE
BRG	BEARING	OC	ON CENTER
BS	BOTTOM OF STEP	OD	OUTSIDE DIAMETER
BW	BOTTOM OF WALL	OPP	OPPOSITE
CAL	CALIPER	PAR	PARALLEL
CAP	CAPACITY	PC	POINT OF CURVATURE
CF	CUBIC FEET	PE	POLYURETHANE
CHAM	CHAMFER	PERF	PERFORATED
CIP	CAST IN PLACE	PED	PEDESTRIAN
CJ	CONTROL JOINT	PI	POINT OF INTERSECTION
CL	CENTER LINE	PL	PROPERTY LINE
CLR	CLEARANCE	PT	POINT, POINT OF TANGENCY
CM	CENTIMETER	PVC	POLYVINYL CHLORIDE
CO	CLEAN OUT	PVMT	PAVEMENT
COMP	COMPACTED	PVR	PAVER
CONC	CONCRETE	QTY	QUANTITY
CONST	CONSTRUCTION	R	RADIUS
CONT	CONTINUOUS	RECEP	RECEPTACLE
CONTR	CONTRACTOR	REF	REFERENCE
CU	CUBIC	REINF	REINFORCE(D)
CY	CUBIC YARD	REM	REMOVE
DBL	DOUBLE	REQ'D	REQUIRED
DF	DIRECTION OF FLOW	REV	REVISION, REVISED
DEG	DEGREE	ROW	RIGHT OF WAY
DEMO	DEMOLISH, DEMOLITION	RT	RIGHT
DIA	DIAMETER	S	SOUTH
DIM	DIMENSION	SAN	SANITARY
DTL	DETAIL	SCH	SCHEDULE
DWG	DRAWING	SD	STORM DRAIN
E	EAST	SEC	SECTION
EA	EACH	SF	SQUARE FOOT (FEET)
EJ	EXPANSION JOINT	SHT	SHEET
EL	ELEVATION	SI	STORM INLET
ELEC	ELECTRICAL	SIM	SIMILAR
ENG	ENGINEER	SNT	SEALANT
EQ	EQUAL	SPECS	SPECIFICATIONS
EQUIP	EQUIPMENT	SQ	SQUARE
EST	ESTIMATE	ST	STORM SEWER
E.W.	EACH WAY	SY	SQUARE YARD
EXIST	EXISTING	STA	STATION
EXP	EXPANSION, EXPOSED	STD	STANDARD
FF	FINISHED FLOOR ELEVATION	STL	STEEL
FG	FINISHED GRADE	STRL	STRUCTURAL
FIN	FINISH	SYM	SYMMETRICAL
FL	FLOW LINE	T&B	TOP AND BOTTOM
FOC	FACE OF CURB	TBC	TOP OF BACK CURB
FT	FOOT (FEET)	TC	TOP OF CURB
FTG	FOOTING	TF	TOP OF FOOTING
GA	GAUGE	THK	THICK
GAL	GALVANIZED	TOC	TOP OF CONCRETE
GC	GENERAL CONTRACT(OR)	TOPO	TOPOGRAPHY
GEN	GENERAL	TSL	TOP OF SLAB
HORIZ	HORIZONTAL	TRAS	TRANSFORMER
HP	HIGH POINT	TR	TOP OF RAMP
HT	HEIGHT	TS	TOP OF STEP
ID	INSIDE DIAMETER	TW	TOP OF WALL
INV	INVERT ELEVATION	TYP	TYPICAL
IN	INCH(ES)	VAR	VARIES
INCL	INCLUDE(D)	VERT	VERTICAL
INL	INLET	VEH	VEHICLE
IRR	IRRIGATION	VOL	VOLUME
JT	JOINT	W/	WITH
LIN	LINEAR	W/O	WITHOUT
LF	LINEAR FEET	WT	WEIGHT
LP	LOW POINT	WL	WEIR LEVEL
LT	LIGHT	WWF	WELDED WIRE FABRIC
MATL	MATERIAL	YD	YARD
MAX	MAXIMUM	@	AT
MEMB	MEMBRANE		

SAMPLE KEYNOTE DRAWING CALLOUT:

SITE DETAIL KEYNOTES:

	DETAIL/ SHEET	RELATED DETAIL	SPEC. SECTION
1.0 PAVEMENTS, RAMPS, CURBS			
1.1 STONE PAVING TYPE 1 - Sand Set w/ Planting Joints	x/ Lx-01	x/ Lx-0x, x/ Lx-0x, x/ Lx-0x	321400

KEYNOTE HEADING (PROPOSED IMPROVEMENT SYSTEM)

KEYNOTE CALL OUT

KEYNOTE (SYSTEM) ITEM AND BRIEF DESCRIPTION

PRIMARY KEYNOTE DETAIL REFERENCE (NUMBER AND SHEET)

ADDITIONAL DETAIL REFERENCES (COMPOSITE SECTIONS / ELEVATIONS, OTHER SECTIONS, ELEVATIONS OR 3D DRAWINGS, AND/OR TRANSITION OR CONNECTION DETAILS)
NOTE: MULTIPLE DETAILS MAY BE REFERENCED

SPECIFICATION REFERENCE (CSI SECTION NUMBER MASTER FORMAT 2004 OR OTHER JURISIDICTIONAL REQUIREMENT)
NOTE: MULTIPLE SPECIFICATIONS MAY BE REFERENCED

THE FOLLOWING LIST OF KEYNOTE HEADINGS (PROPOSED IMPROVEMENT SYSTEMS) HAVE BEEN INCORPORATED WITHIN THIS DRAWING SET:

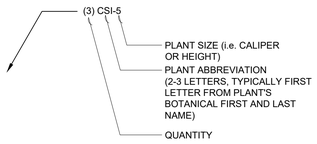
1.0 PAVEMENT, RAMPS, AND CURBS
2.0 JOINTING
3.0 STEPS
4.0 SITE WALLS/EMBANKMENTS
5.0 SITE FURNITURE
6.0 RAILINGS, BARRIERS, AND FENCING
7.0 SITE LIGHTING
8.0 DRAINAGE
9.0 PLANTING AND LANDSCAPE
10.0 MISCELLANEOUS ELEMENTS
11.0 PLANT PROTECTION

NOTE: IF A KEYNOTE HEADING IS NOT INCORPORATED IN PROJECT, A "NOT USED AT THIS TIME" REFERENCE HAS BEEN PROVIDED.

PLANT LIST

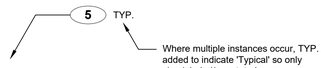
ABBR.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	SPACING	NOTES
DECIDUOUS TREES						
AG-5	*Acer glabrum*	Rocky Mountain Maple	4	5" CAL.	AS SHOWN	B&B, Full Dense Specimens, Strong Central Leader
ORNAMENTAL TREES						
AC-2.5	*Amelanchier canadensis*	Serviceberry	3	2.5" CAL.	AS SHOWN	B&B, Full Dense Specimens, Multi-leader
CL-2.5	*Chilopsis linearis 'bubba'*	Bubba Desert Willow	4	2.5" CAL.	AS SHOWN	B&B, Full Dense Specimens, Multi-leader
SHRUBS						
CM-5	*Chamaebatiaria millefolium*	Fernbush	11	5 GAL	24" O.C.	Full Plants
ORNAMENTAL GRASSES						
SS-1	*Schizachyrium scoparium*	Little Bluestem	15	1 GAL	24" O.C.	24" O.C.
MI-1	*Miscanthus spp.*	Silver Grass	18	1 GAL	24" O.C.	24" O.C.
PERENNIALS						
AM-1	*Chamaebatiaria millefolium*	Fernbush	11	1 GAL	18" O.C.	18" O.C.
HP-1	*Hesperaloe parviflora*	Red Yucca	29	1 GAL	18" O.C.	18" O.C.
NF-1	*Nepeta x faassenii 'walker's low'*	Walker's Low Catmint	9	1 GAL	18" O.C.	18" O.C.

PLANT IDENTIFICATION KEY



NOTE: PLANT ABBREVIATION ON PLANT IDENTIFICATION KEY SHOULD CORRESPOND WITH ABBREVIATION ON PLANT LIST *(i.e. CSI-5 SHOULD REFER TO A CORNUS SERICEA 'ISANTI', 5 GALLON CONTAINER)*

SAMPLE REFERENCE NOTE DRAWING CALLOUT:



"X" REFERENCE NOTES

1 Final location of path to be determined in field under direction of Landscape Architect.

SERIES SPECIFIC REFERENCE NOTE (SUPPLEMENTAL TO KEYNOTES. TYPICALLY DESCRIBES ITEMS TO BE CONSIDERED DURING CONSTRUCTION. MAY REFERENCE A DETAIL OR SPECIFICATION OR BOTH).

NOTE CALL-OUT

NOTE: "X" REFERS TO DRAWING SERIES (i.e. SITE DEMOLITION REFERENCE NOTES). THERE SHOULD BE SPECIFIC REFERENCE NOTES FOR EACH DRAWING SERIES. HOWEVER, SOME NOTES MAY APPEAR ON MULTIPLE SERIES AS APPLICABLE.

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THE CITY OF SPARKS, NV

REGISTERED LANDSCAPE ARCHITECT Steve Noll 510 Expires June 30, 2021 STATE OF NEVADA

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: AW REVIEWED: MG

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

GENERAL INFORMATION

SHEET NUMBER

L0-05

Sep 21, 2022 - 5:14pm
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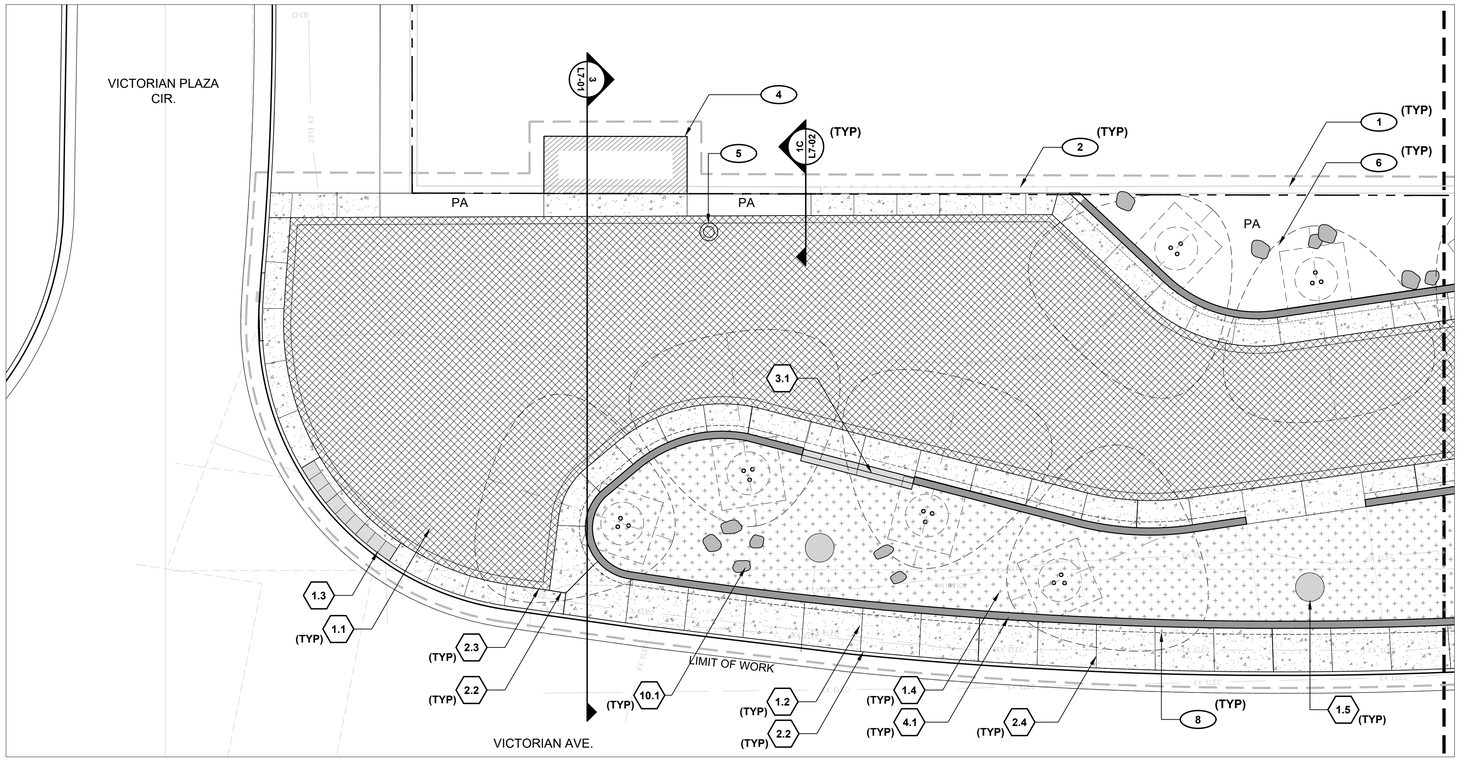
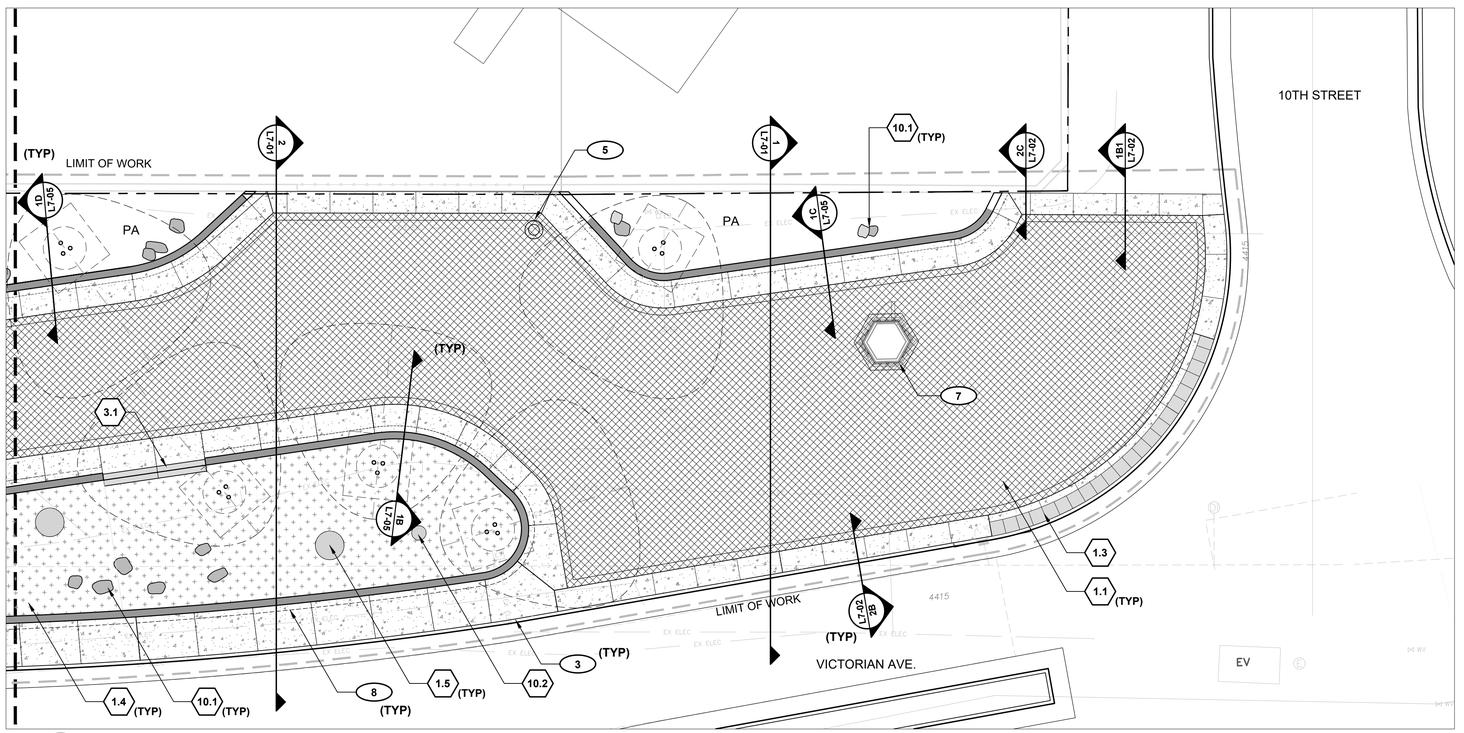


A WEST END OF PLAZA

1" = 10'-0"



B EAST END OF PLAZA

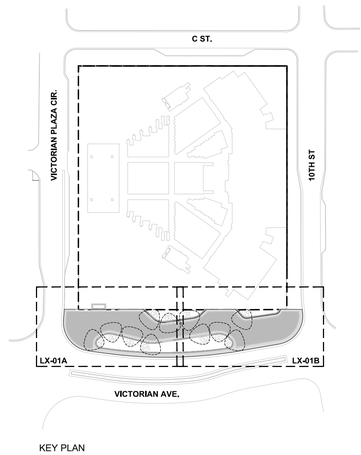
1" = 10'-0"

SITE KEYNOTES:

			DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**				
	1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
	1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
	1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
	1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
	1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**				
	2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
	2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
	2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
	2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
	2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**				
	3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**				
	4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**				
	Not Used at this Time.				
6.0	**RAILINGS, BARRIERS, FENCING**				
	Not Used at this Time.				
7.0	**SITE LIGHTING**				
	Refer to Site Lighting Plan Series.				
8.0	**DRAINAGE**				
	Not Used at this Time.				
9.0	**PLANTING AND LANDSCAPE**				
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings				
10.0	**MISCELLANEOUS ELEMENTS**				
	10.1	Site Boulders	2 / L7-07		044300.13
	10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

SITE MATERIALS REFERENCE NOTES

PA	Planting Area. See Planting Plan.
1	Existing wall to remain. Do not disturb.
2	Existing gate to remain. Do not disturb.
3	Existing curb and gutter to remain. Ref: Civil.
4	Existing Ticket Booth to be relocated. Ref: Architecture & Structural.
5	Existing trash receptacles to be relocated.
6	Proposed canopy shade structure. Ref: Architecture & Structural.
7	Informational Kiosk Pylon. Ref: Architecture.
8	Extents of the seat wall above. Ref: L7 series.
9	Modifications to existing Wall. Ref: Architecture.



KEY PLAN

General Note:
Refer to General Information Sheet L0-05 for General and Series Specific Notes, Legends, Abbreviations, Lists, Schedules

NORTH

0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-00"

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SITE MATERIALS PLAN

SHEET NUMBER

L3-01

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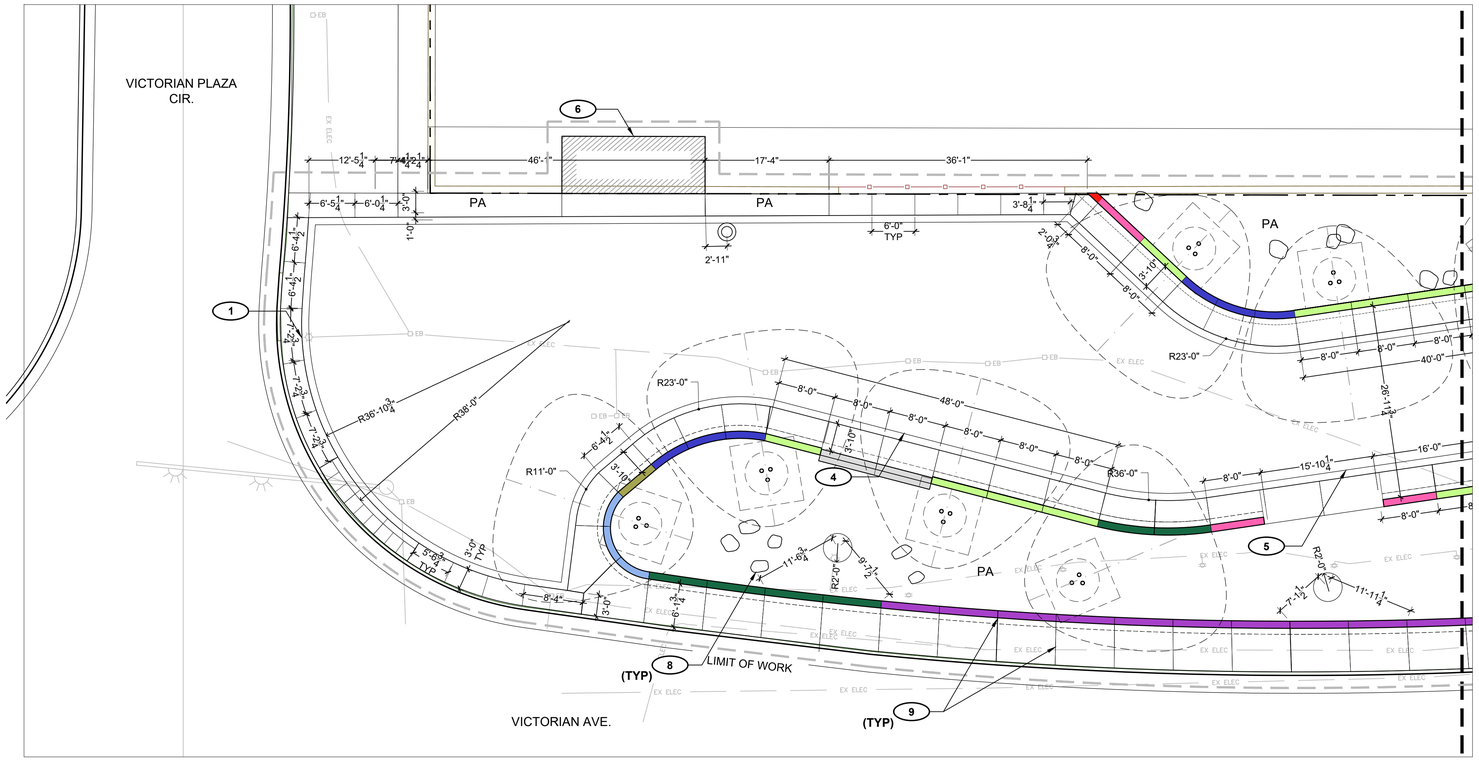
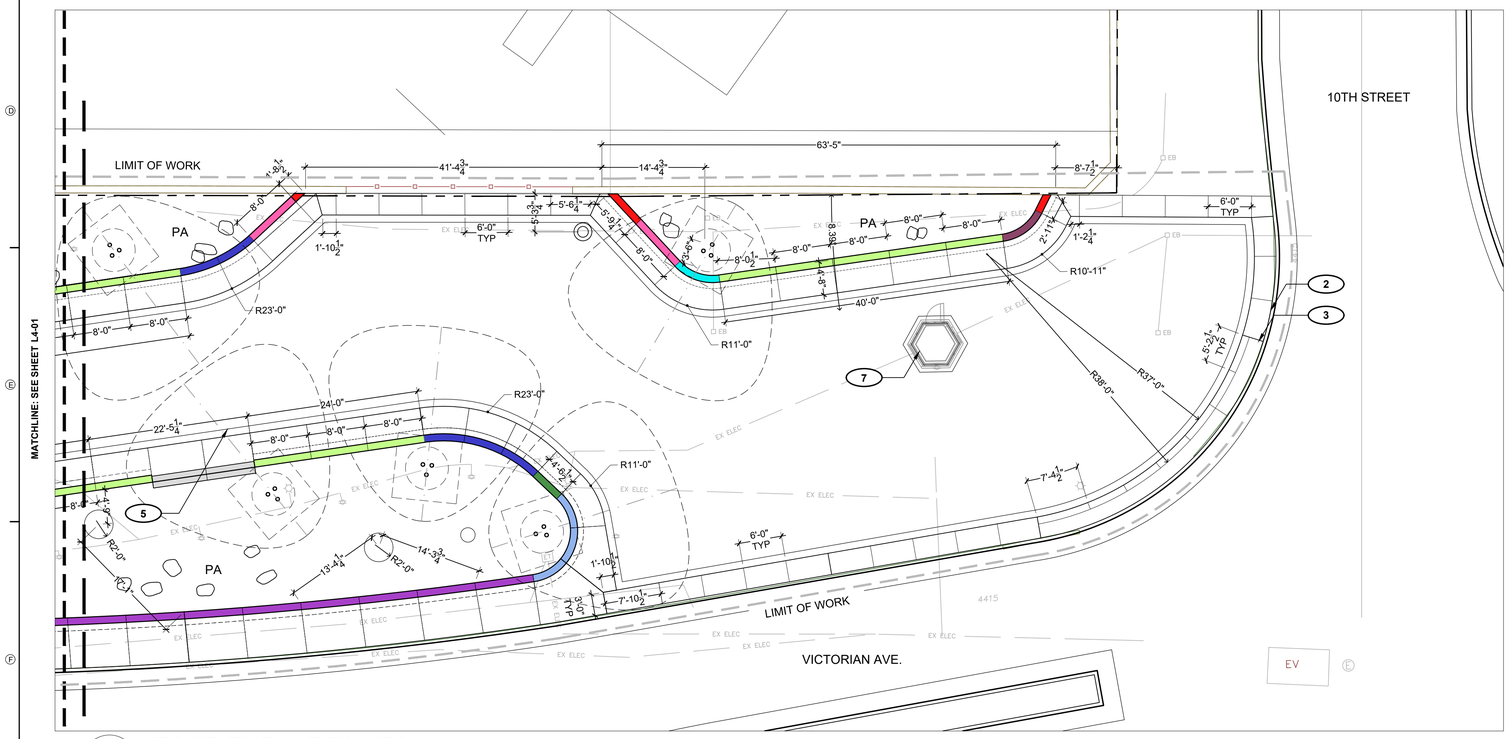


A WEST END OF PLAZA

1" = 10'-0"



B EAST END OF PLAZA

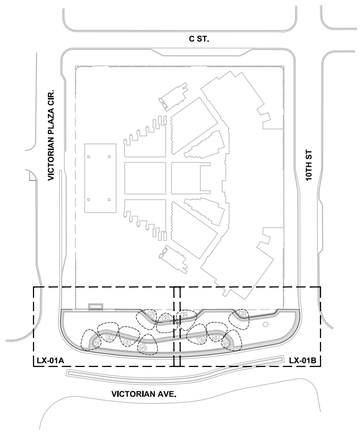
1" = 10'-0"

SITE LAYOUT REFERENCE NOTES

1. Proposed soldier course band shall be kept at full pieces along long edge and cut along wide edge to maintain design intent. Internal Herringbone pattern to be cut to maintain planned pattern and design intent. Refer to L7 series for more information.
2. Concrete paving band to be aligned to existing edge of curb.
3. Tactile paving to be aligned to the existing edge of the curb and centered along ramp.
4. Brickslot drain to be located along the edge of full paver soldier course.
5. Brickslot drain to be aligned to adjacent precast stair.
6. Relocated ticket booth to be aligned to the face of the existing wall's pilaster.
7. To be located at existing kiosk location. Ref: Architecture for informational kiosk layout.
8. Landscape Architect or Owner's Representative to verify location in field.
9. Align cast-in-place concrete paving joints to precast unit joint, typ.

SEAT WALL TYPES LEGEND

- Seat Wall Type 1A
- Seat Wall Type 1B
- Seat Wall Type 1C
- Seat Wall Type 2A
- Seat Wall Type 2B
- Seat Wall Type 2C
- Seat Wall Type 2D
- Seat Wall Type 3
- Seat Wall Type 4: Precast Curb
- Seat Wall Type 5
- Seat Wall Type 6



KEY PLAN

General Note:
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PRINT SHEET IN COLOR

NORTH

0 5' 10' 20'
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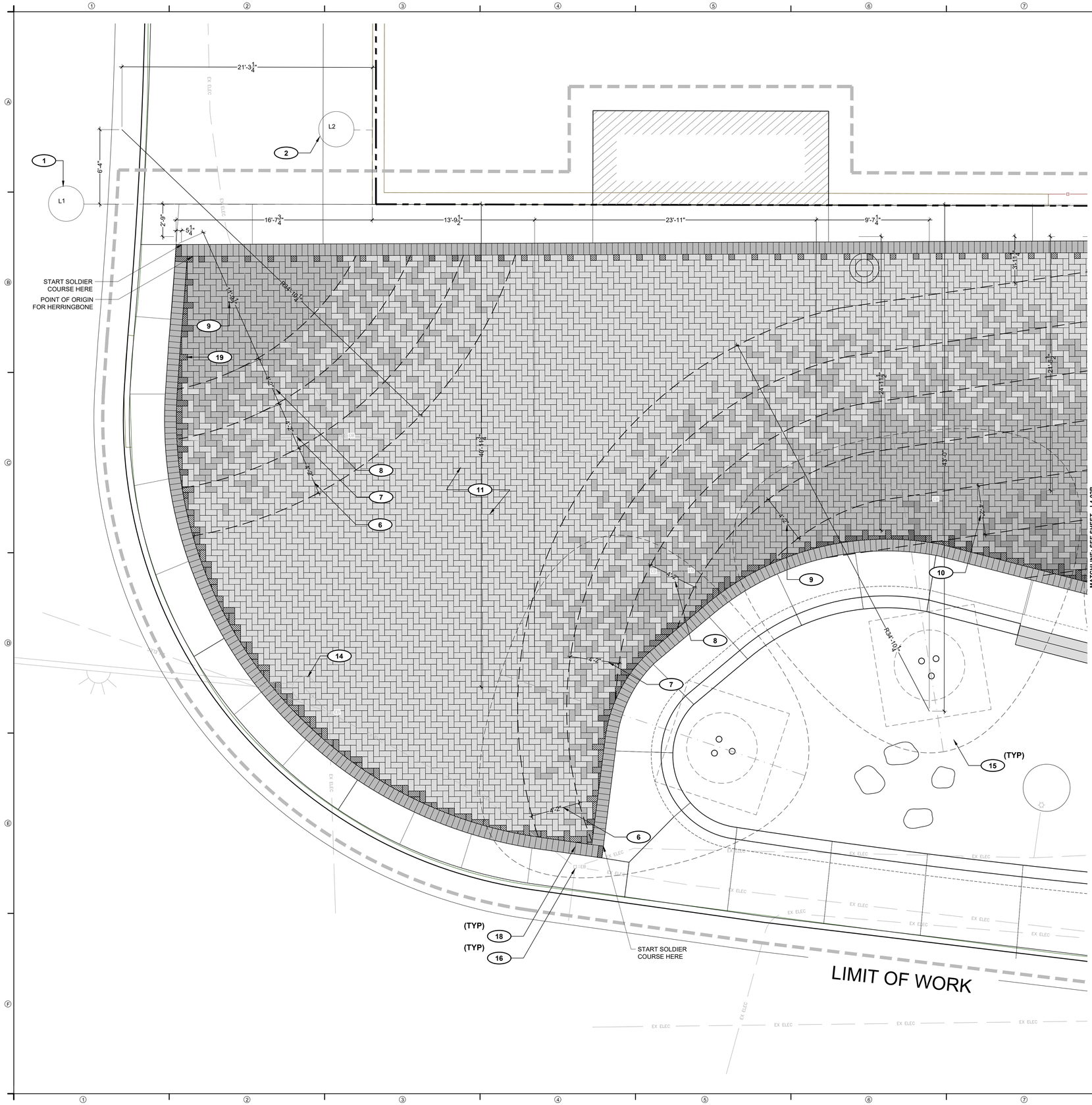
PROJECT NUMBER: 6834

SITE LAYOUT PLAN

SHEET NUMBER

L4-01



PAVING LAYOUT REFERENCE NOTES

1. Baseline L1 is defined along a W-E axis and is the finished surface along the southern face of the existing wall.
2. Baseline L2 is defined along a N-S axis and is the finished surface along the western face of the existing wall.
3. Baseline L3 is defined along a N-S axis and is the finished surface along the edge of the existing gate.
4. Baseline L4 is defined along a N-S axis and is the finished surface along the edge of the existing gate.
5. Baseline L5 is defined along a N-S axis and is the finished surface along the eastern face of the existing wall.
6. Paving pattern layout composition within this band is mixed with 75% Paver Color 1 and 25% Paver Color 2.
7. Paving pattern layout composition within this band is mixed with 50% Paver Color 1 and 50% Paver Color 2.
8. Paving pattern layout composition within this band is mixed with 25% Paver Color 1 and 75% Paver Color 2.
9. Paving pattern layout composition within this band is mostly Paver Color 2 with 5% Paver Color 1.
10. Paving pattern layout composition within this band is mixed with 75% Paver Color 2 and 25% Paver Color 3.
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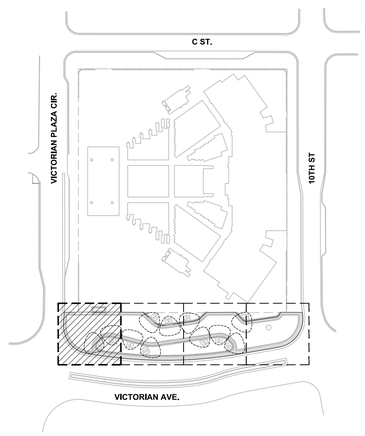
12. Paving pattern layout composition within this band is mixed with 25% Paver Color 2 and 75% Paver Color 3.
13. Paving pattern layout composition within this band is mostly Paver Color 3 with 5% Paver Color 2.
14. Existing Traffic Light
15. Overhead Canopies, Ref: Arch.
16. Electrical Box, Ref: Electrical.
17. Informational Kiosk, Ref: Arch.
18. Surrounding Soldier Course Band
19. Cut pavers to fit with specified joint width. (Ref: 1B/L702)

PAVER LAYOUT LEGEND

- Paver Color #1
- Paver Color #2
- Paver Color #3
- Cut or Ripped Paver (Ref: 1B/L702)



KEY PLAN

NORTH

0 2' 4' 8'

ORIGINAL SCALE: 1/4" = 1'-0"

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ISSUE DATE: 09/21/2022

REVISIONS

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PROJECT NUMBER: 6834

SITE PAVING LAYOUT PLAN ENLARGEMENT

SHEET NUMBER

L4-02A

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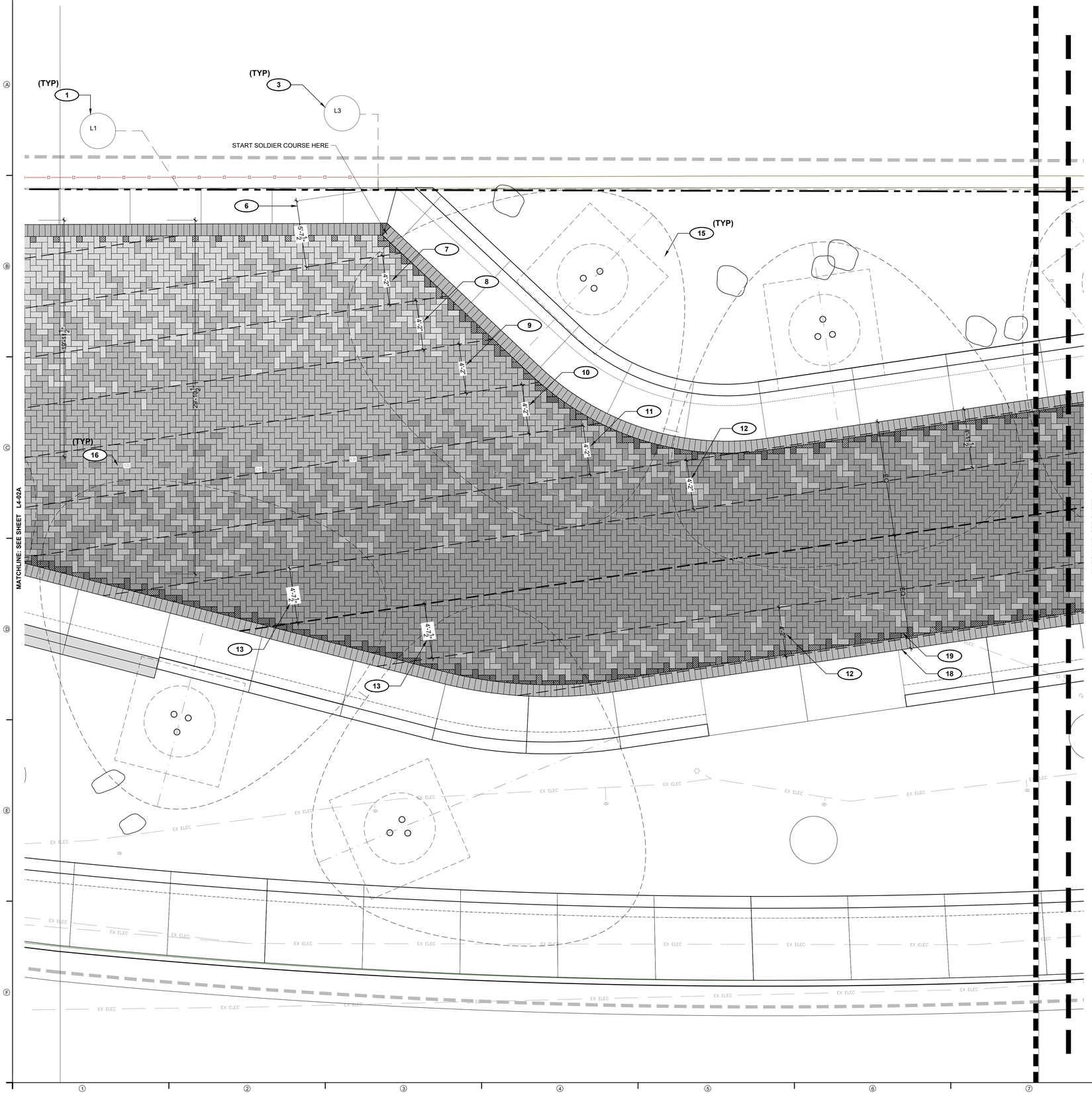

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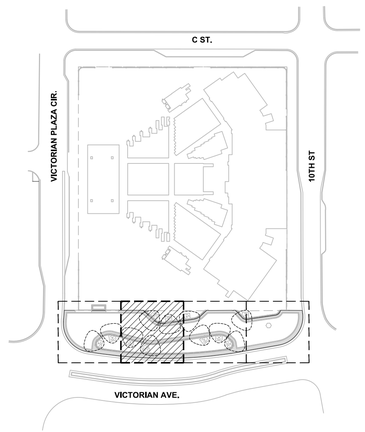
PAVER LAYOUT LEGEND

- Paver Color #1
- Paver Color #2
- Paver Color #3
- Cut or Ripped Paver (Ref: 1B/L702)



KEY PLAN

NORTH

0 2' 4' 8'

ORIGINAL SCALE: 1/4" = 1'-0"

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PROJECT NUMBER: 6834

SITE PAVING LAYOUT PLAN ENLARGEMENT

SHEET NUMBER

L4-02B

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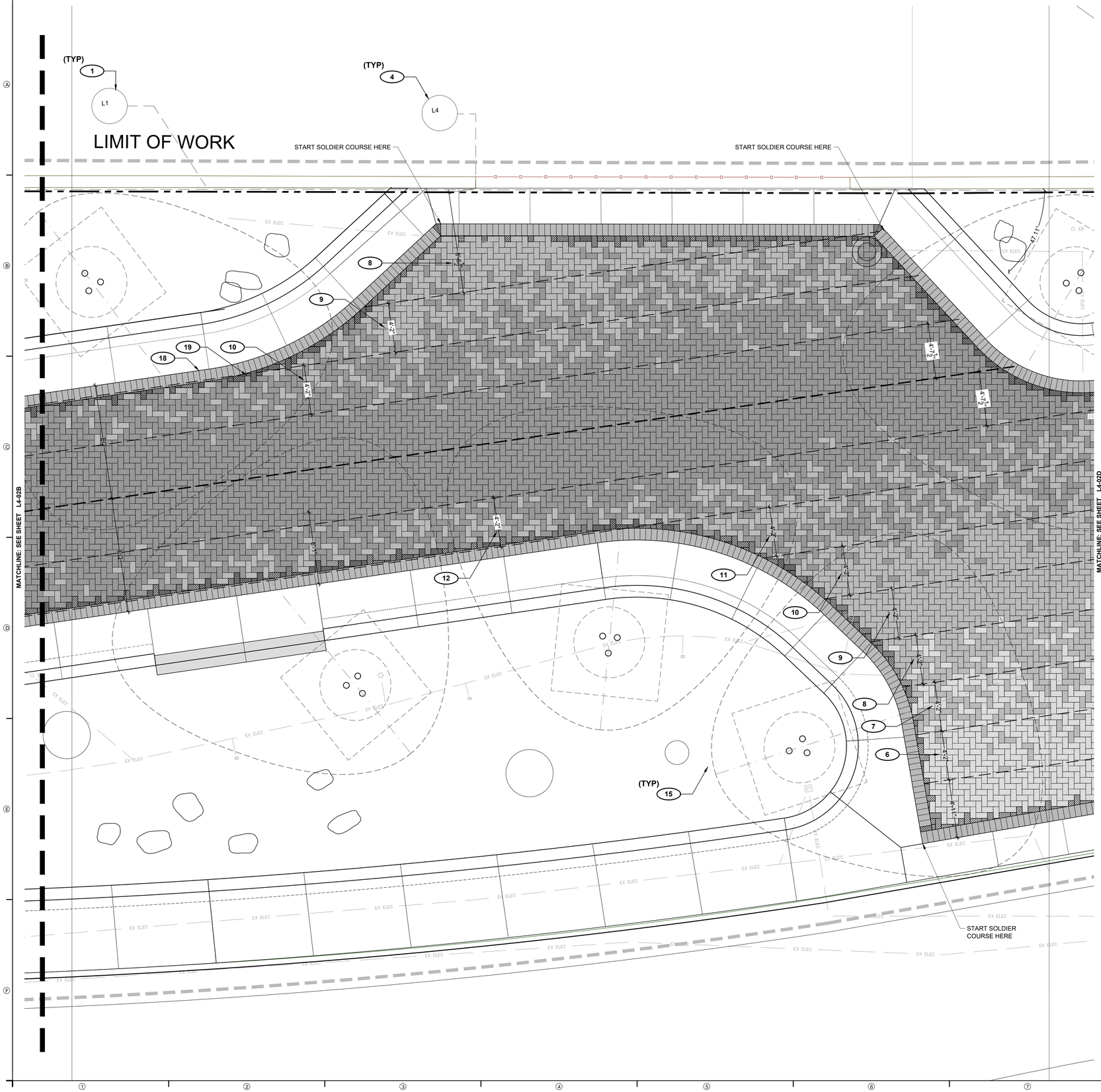

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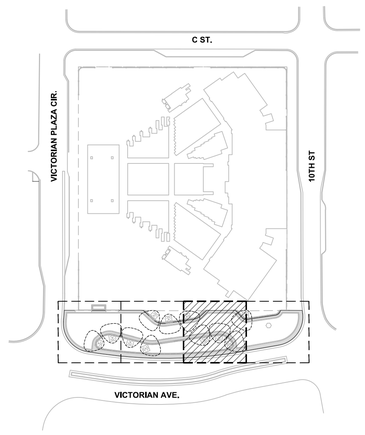
PAVER LAYOUT LEGEND

- Paver Color #1
- Paver Color #2
- Paver Color #3
- Cut or Ripped Paver (Ref: 1B/L702)



KEY PLAN

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PROJECT NUMBER: 6834

SITE PAVING LAYOUT PLAN ENLARGEMENT

SHEET NUMBER

L4-02C

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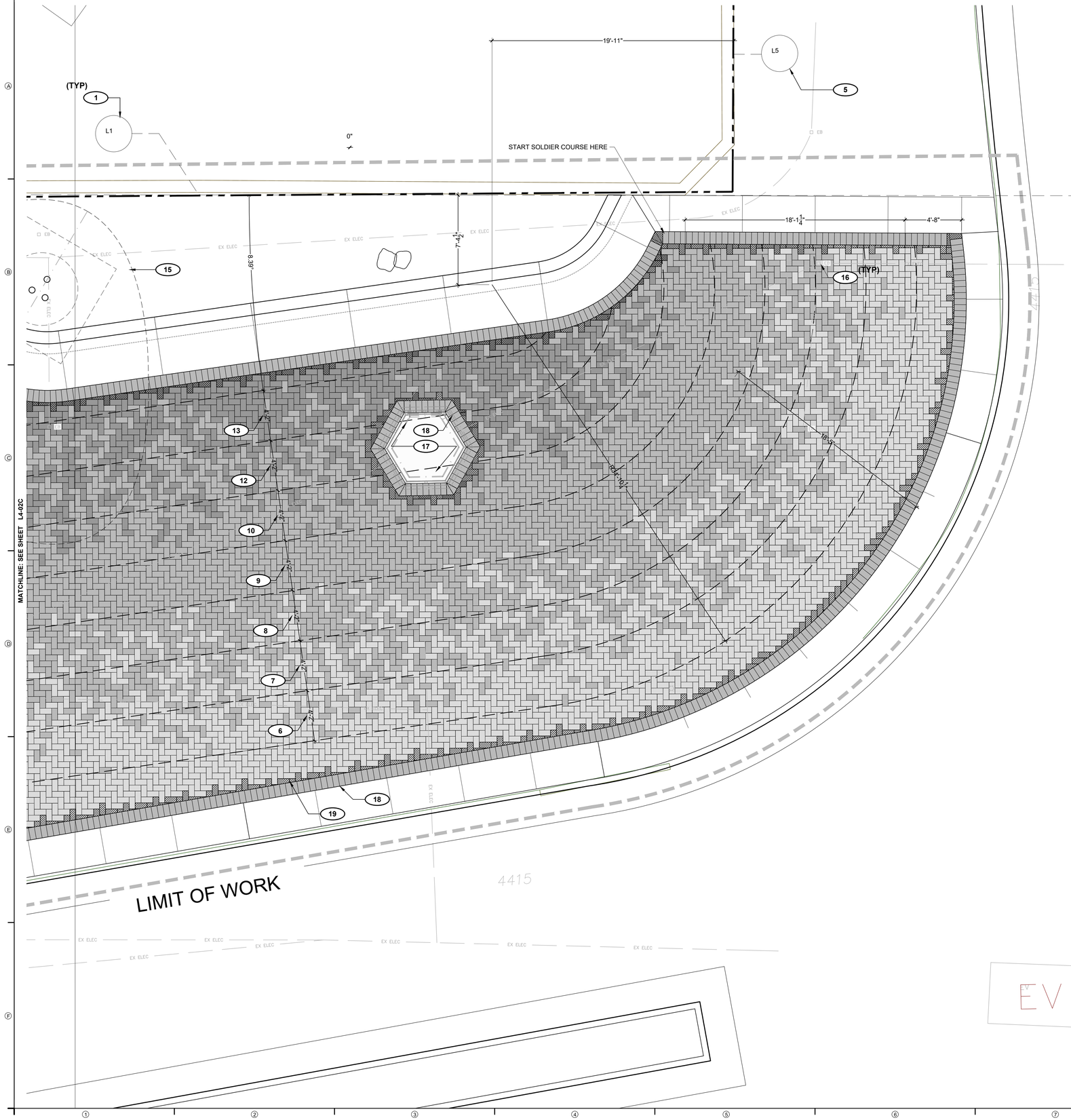

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PAVER LAYOUT LEGEND

░	Paver Color #1
▒	Paver Color #2
▓	Paver Color #3
▨	Cut or Ripped Paver (Ref: 1B/L702)

KEY PLAN

ORIGINAL SCALE: 1/4" = 1'-0"

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SITE PAVING LAYOUT PLAN ENLARGMENT

SHEET NUMBER

L4-02D

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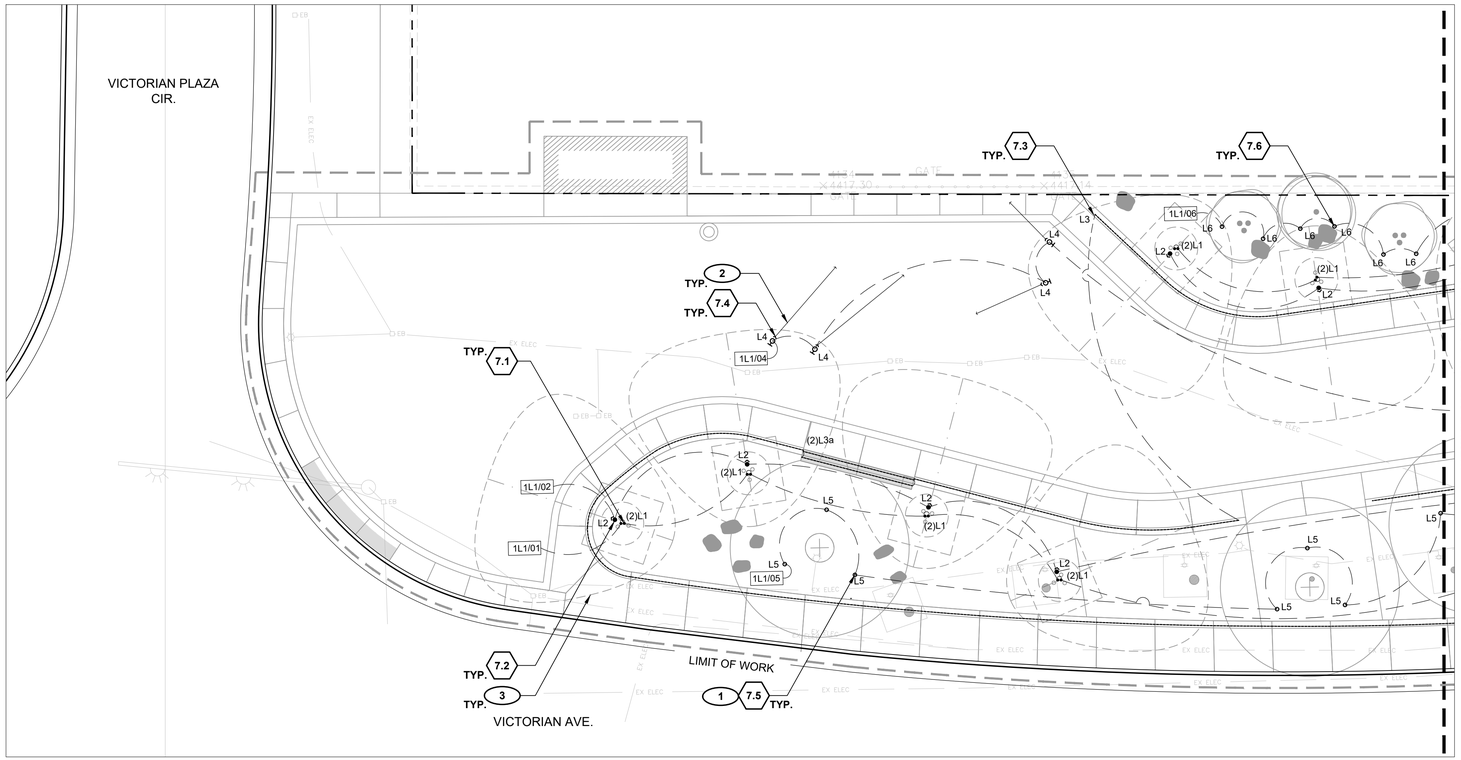
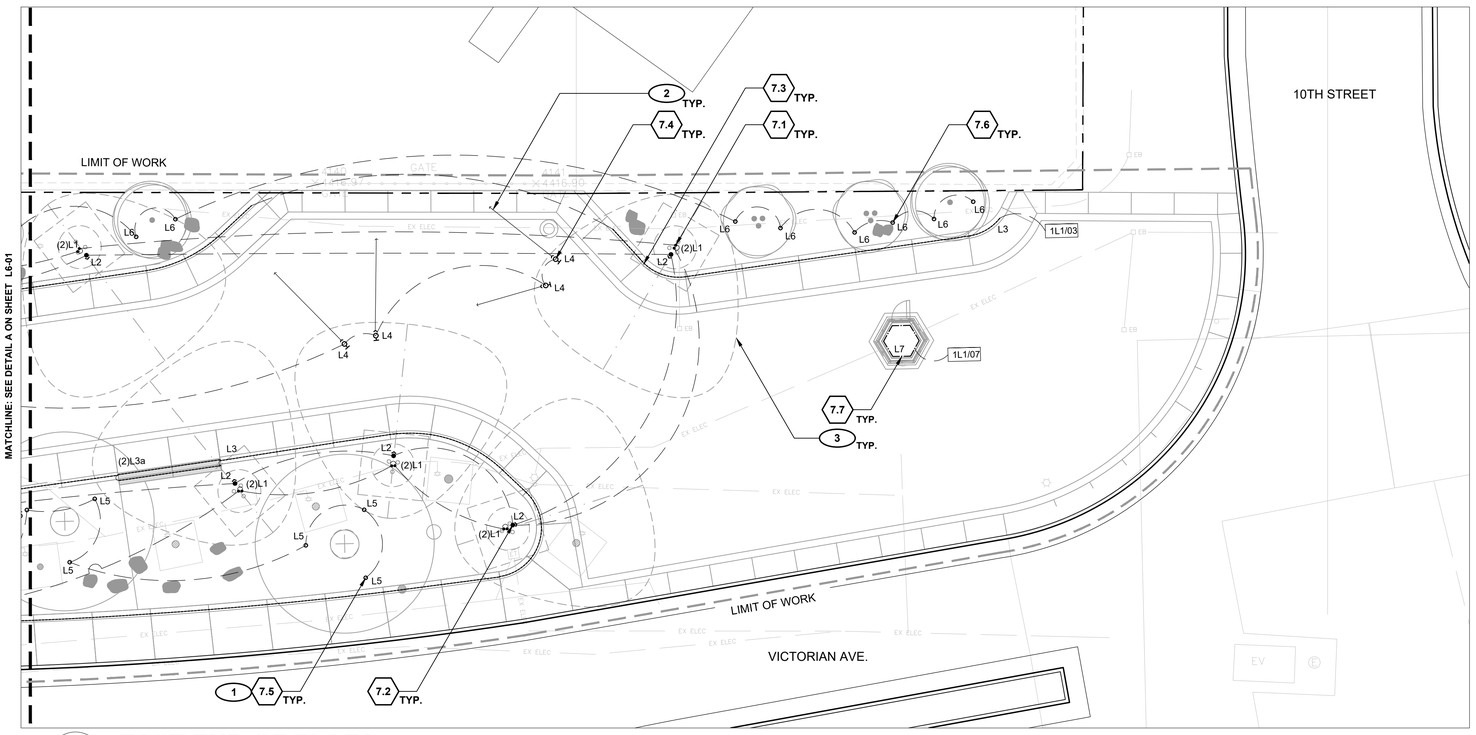


A WEST END OF PLAZA

1" = 10'-0"



B EAST END OF PLAZA

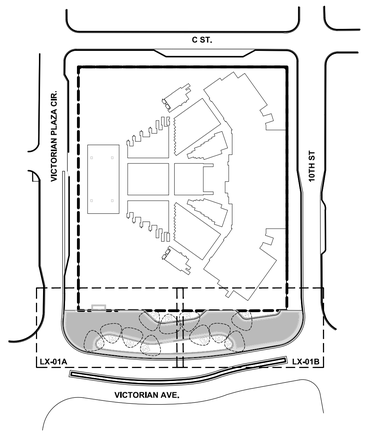
1" = 10'-0"

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
7.0	**SITE LIGHTING**			
7.1	LED RGBW Canopy Lantern:			
	Type L1	Ref: Architecture		265600
7.2	LED RGBW Canopy Uplight:			
	Type L2	Ref: Architecture		265600
7.3	LED RGBW Linear Underbench and Stair Light:			
	Type L3	1 / L7-05		265600
	Type L3a	1 / L7-07		265600
7.4	LED Canopy Mounted Adjustable Downlight:			
	Type L4	Ref: Architecture		265600
7.5	LED Ingrade Uplight:			
	Type L5	1 / L7-08		265600
7.6	LED Stake Mounted Uplight:			
	Type L6	2 / L7-08		265600
7.7	LED Poster Panel Backlight:			
	Type L7	Ref: Architecture		265600

SITE LIGHTING REFERENCE NOTES

1. Type L5 ingrade tree uplights used throughout project are an "Add Alt" option. Contractor to provide service line and j-box for ability to install light fixtures at future date.
2. Contractor to install and aim fixture at ground location as shown by arrow.
3. Shade structure. Ref: Architecture.



KEY PLAN SCALE = 1" = 100'-0"

NOTE:
Refer to General Information Sheet L0-05 for General and Series Specific Notes, Legends, Abbreviations and Lists.

NORTH

0 5' 10' 20'
ORIGINAL SCALE: 1"=10'-00"

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SPARKS, NV

REGISTERED LANDSCAPE ARCHITECT
Steve Noll
510
Expires: June 30, 2023
STATE OF NEVADA

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: AW REVIEWED: MG

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

SITE LIGHTING PLAN

SHEET NUMBER

L6-01

Sep 21, 2022 - 5:16pm
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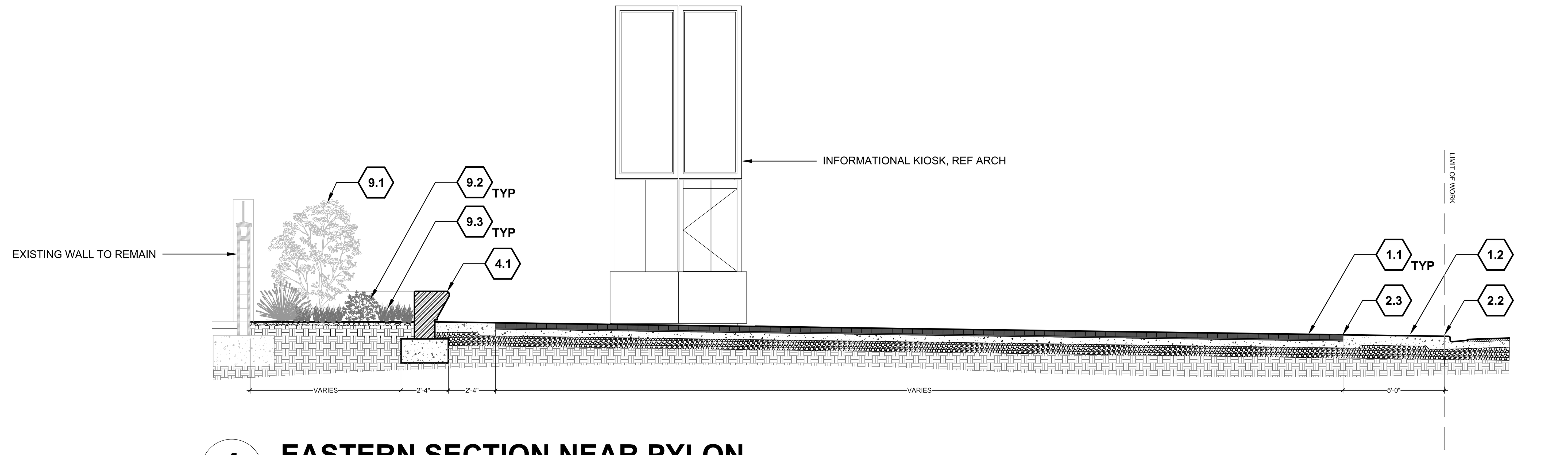
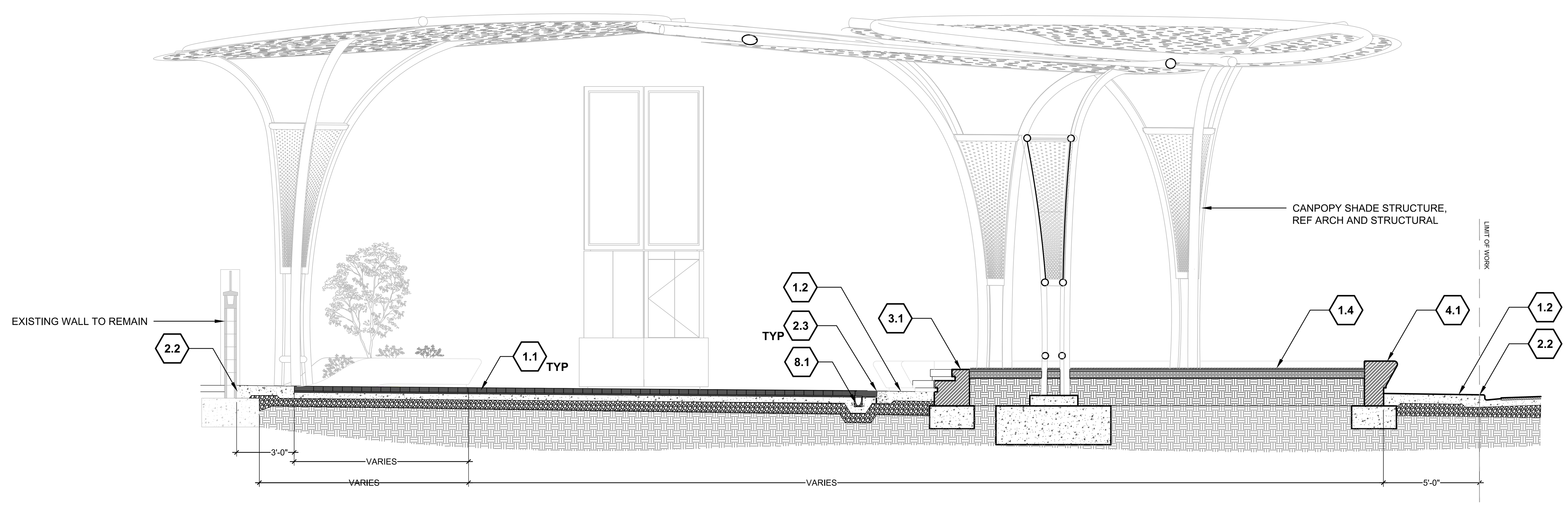


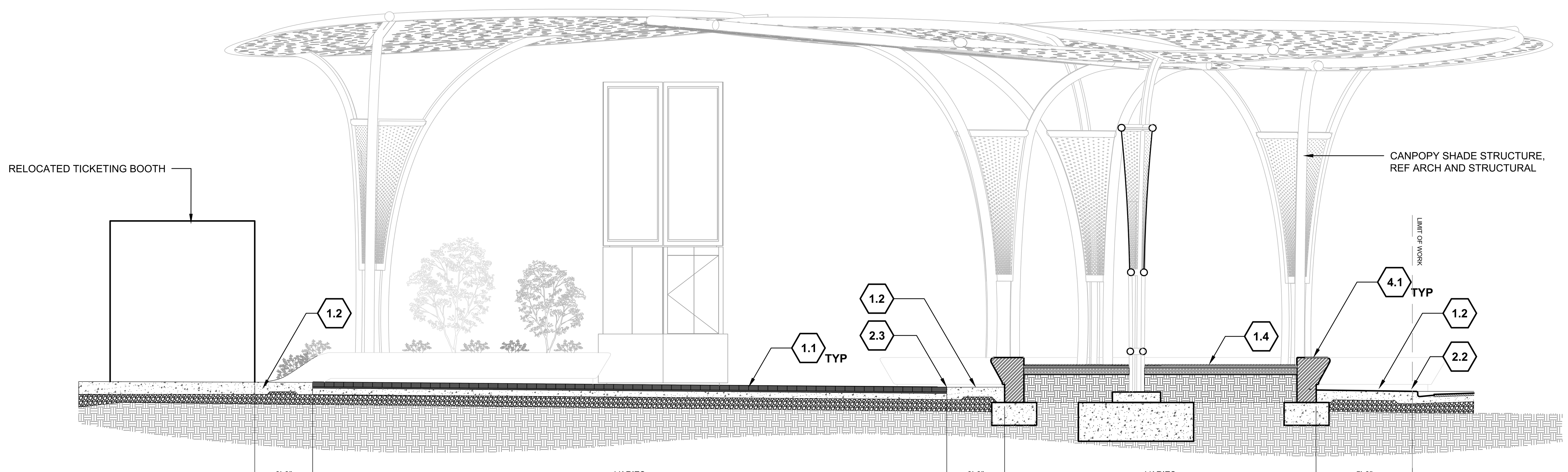
1 EASTERN SECTION NEAR PYLON

1/4" = 1'-0"



2 CENTRAL SECTION THROUGH RAISED PLANTER

1/4" = 1'-0"



3 WESTERN SECTION THROUGH TICKET BOOTH

1/4" = 1'-0"

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**			
2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**			
3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**			
	Not Used at this Time.			
6.0	**RAILINGS, BARRIERS, FENCING**			
	Not Used at this Time.			
7.0	**SITE LIGHTING**			
	Refer to Site Lighting Plan Series.			
8.0	**DRAINAGE**			
	Not Used at this Time.			
9.0	**PLANTING AND LANDSCAPE**			
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings			
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Site Boulders	2 / L7-07		044300.13
10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

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ISSUE DATE: 09/21/2022

REVISIONS

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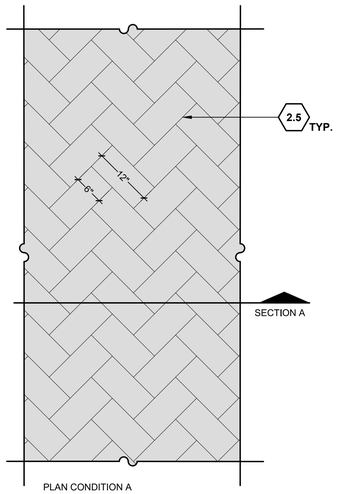
100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

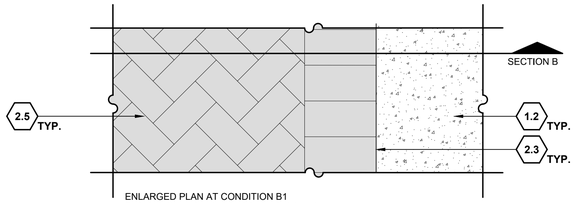
SITE REFERENCE SECTIONS

SHEET NUMBER

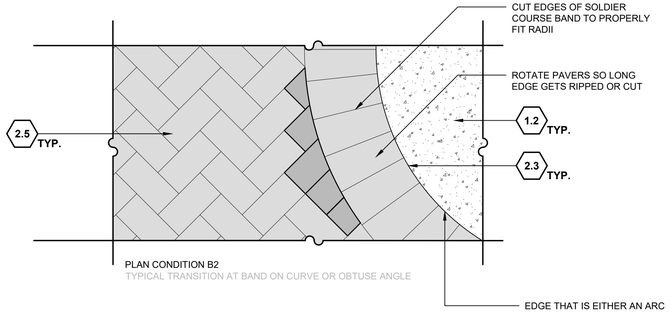
L7-01



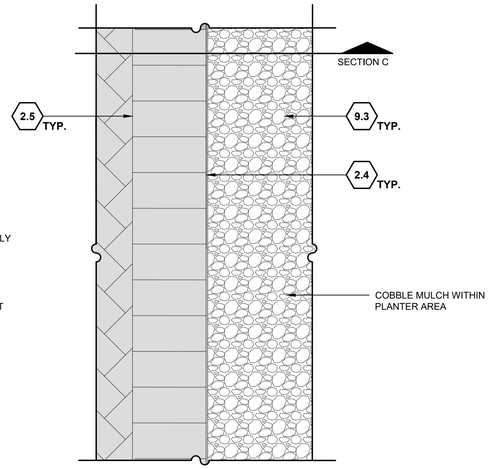
PLAN CONDITION A
TYPICAL HERRINGBONE LAYOUT



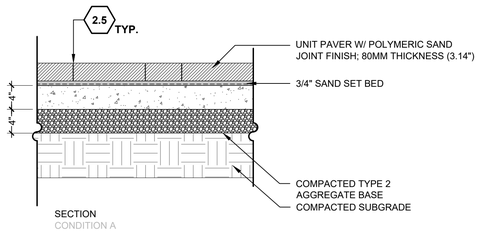
ENLARGED PLAN AT CONDITION B1
TYPICAL TRANSITION AT SOLDIER COURSE BAND



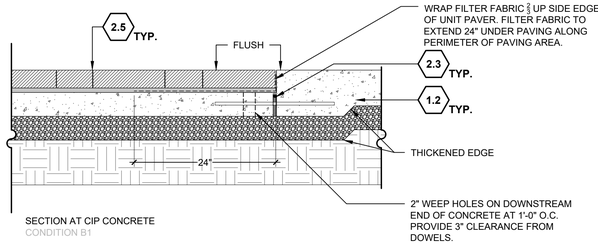
PLAN CONDITION B2
TYPICAL TRANSITION AT BAND ON CURVE OR OBTUSE ANGLE



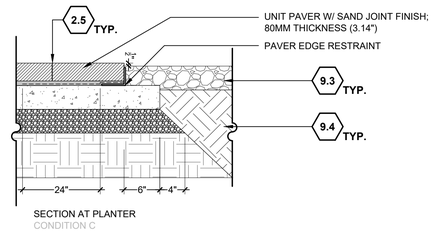
PLAN CONDITION C
TYPICAL PAVER LAYOUT AT PLANTER AREAS



SECTION
CONDITION A



SECTION AT CIP CONCRETE
CONDITION B1

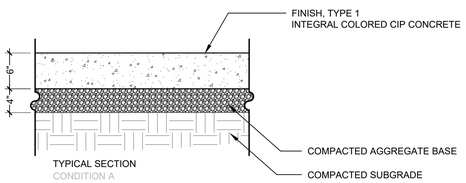


SECTION AT PLANTER
CONDITION C

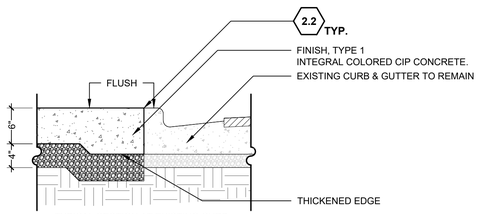
1 PAVING, TYPE 1 (UNIT PAVER)

SEE DRAWING

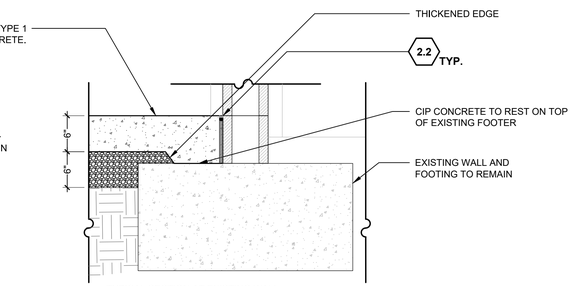
1.1



TYPICAL SECTION
CONDITION A



TYPICAL SECTION AT EXISTING CURB
CONDITION B



TYPICAL SECTION AT EXISTING WALL
CONDITION C

2 PAVING, TYPE 2 (CONC. CIP)

1" = 1'-0"

1.2

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**			
2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**			
3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**			
	Not Used at this Time.			
6.0	**RAILINGS, BARRIERS, FENCING**			
	Not Used at this Time.			
7.0	**SITE LIGHTING**			
	Refer to Site Lighting Plan Series.			
8.0	**DRAINAGE**			
	Not Used at this Time.			
9.0	**PLANTING AND LANDSCAPE**			
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings			
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Site Boulders	2 / L7-07		044300.13
10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

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PROJECT NUMBER: 6834

SITE DETAILS

SHEET NUMBER
L7-02

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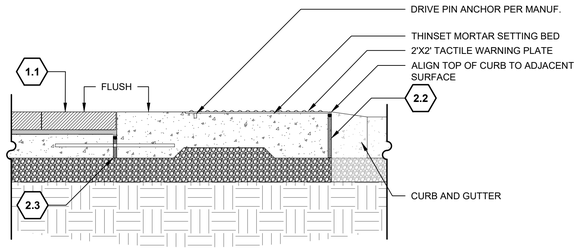
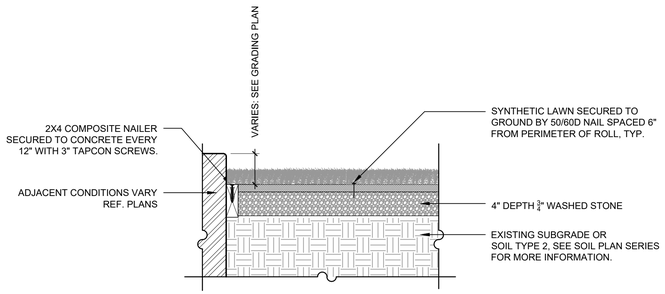


1 PAVING, TYPE 3 (TACTILE STRIP)

1.3

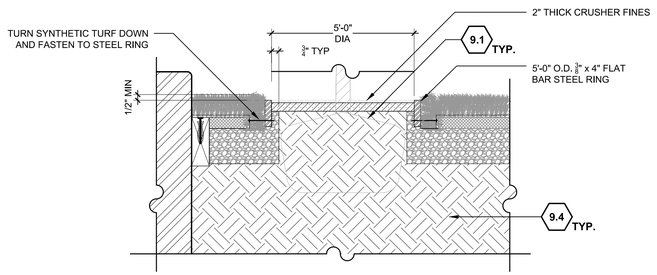
1" = 1'-0"



2 PAVING, TYPE 4 (ARTIFICIAL TURF)

1.4

1" = 1'-0"



3 CRUSHED STONE PAVING

1.5

1/2" = 1'-0"

SITE KEYNOTES:

			DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**				
	1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
	1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
	1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
	1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
	1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**				
	2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
	2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
	2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
	2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
	2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**				
	3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**				
	4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**				
	Not Used at this Time.				
6.0	**RAILINGS, BARRIERS, FENCING**				
	Not Used at this Time.				
7.0	**SITE LIGHTING**				
	Refer to Site Lighting Plan Series.				
8.0	**DRAINAGE**				
	Not Used at this Time.				
9.0	**PLANTING AND LANDSCAPE**				
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings				
10.0	**MISCELLANEOUS ELEMENTS**				
	10.1	Site Boulders	2 / L7-07		044300.13
	10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

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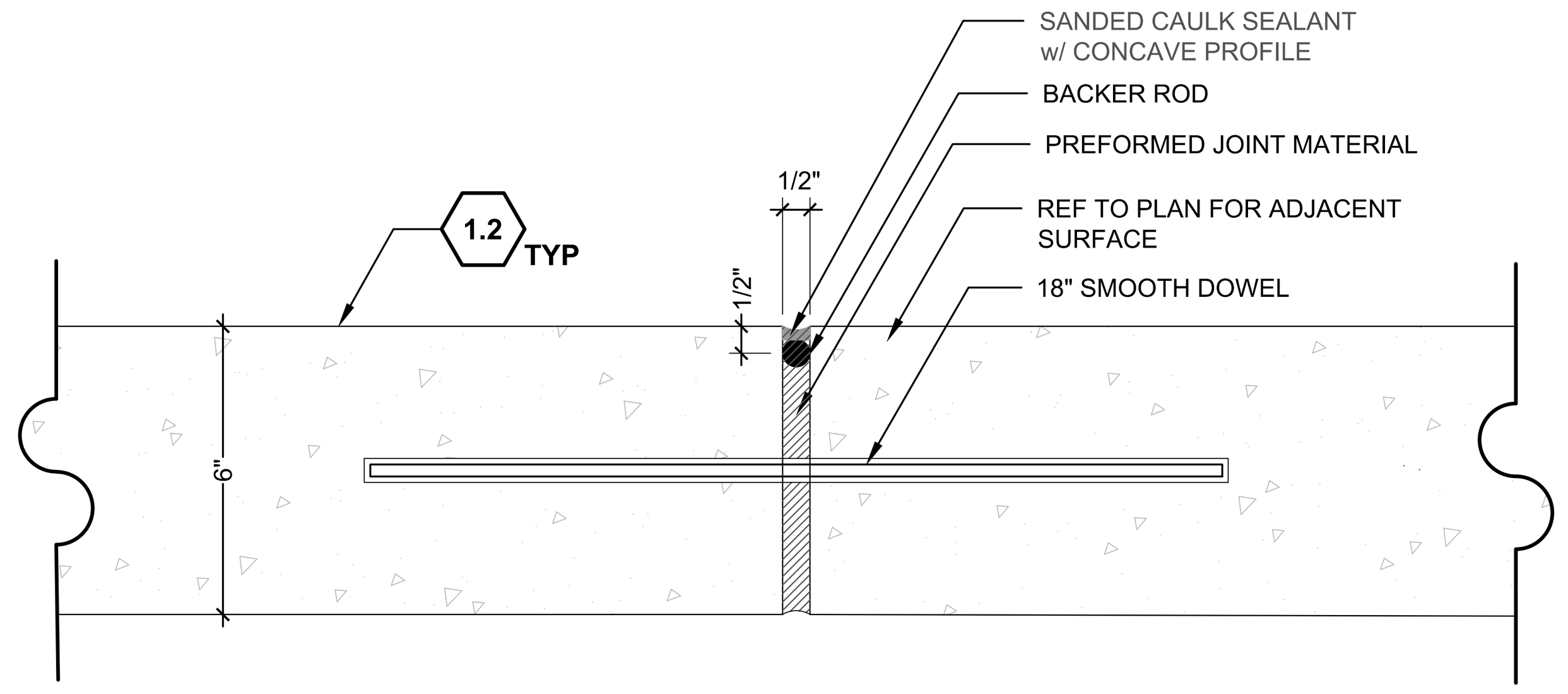
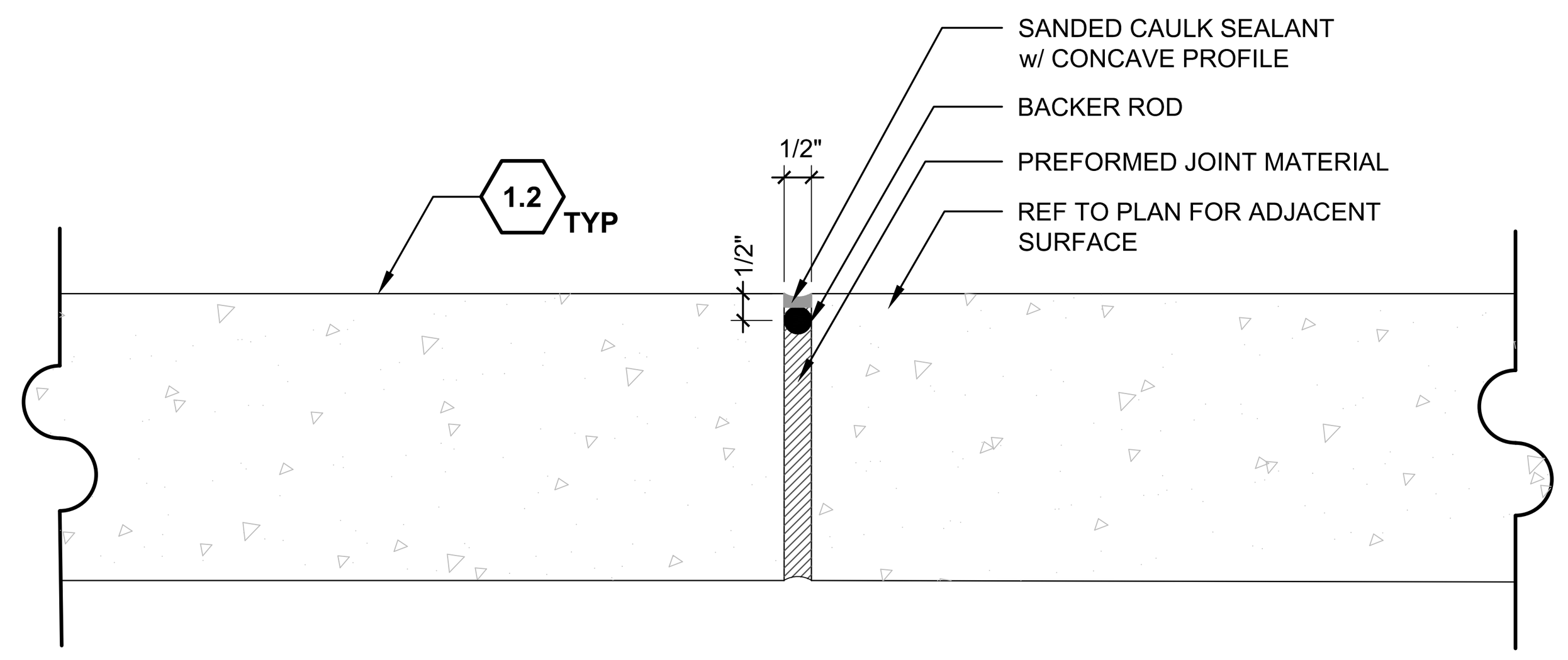
SITE DETAILS

SHEET NUMBER

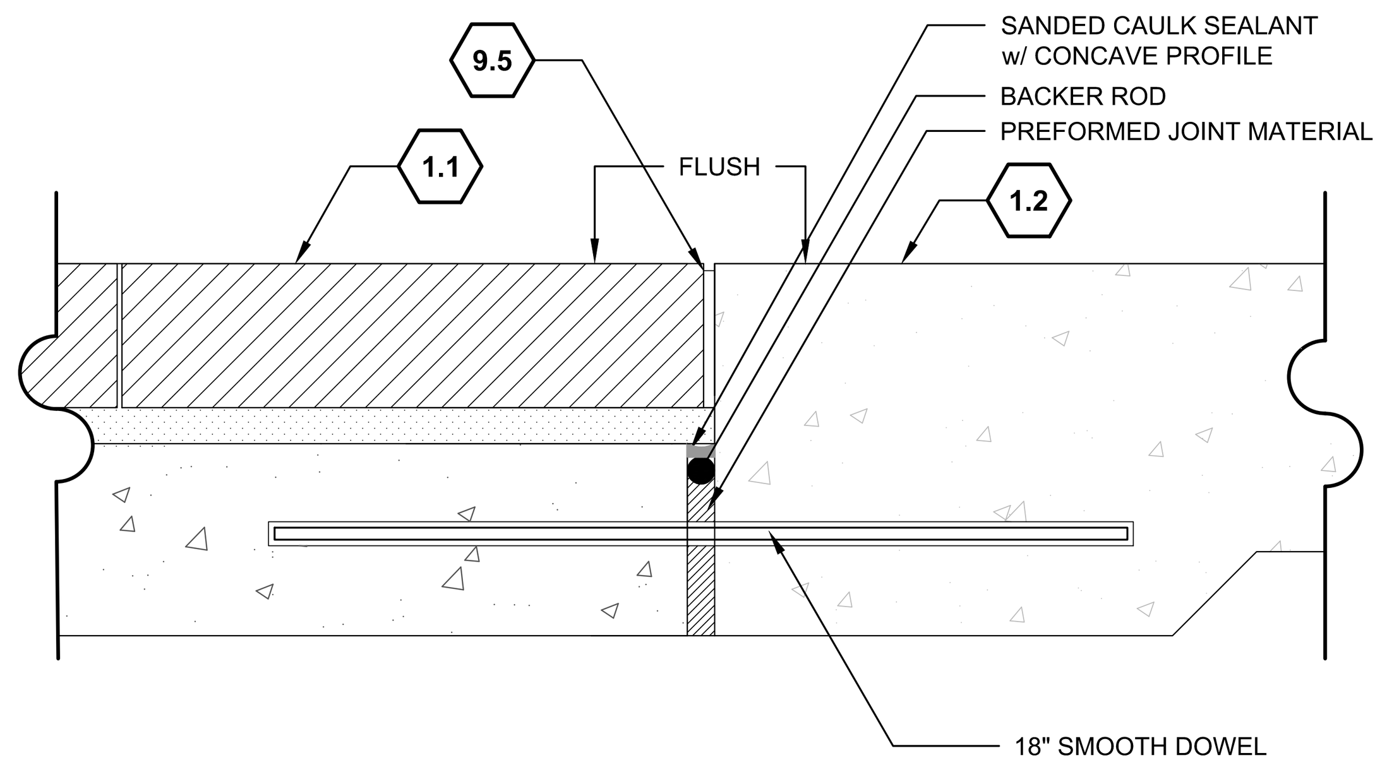
L7-03



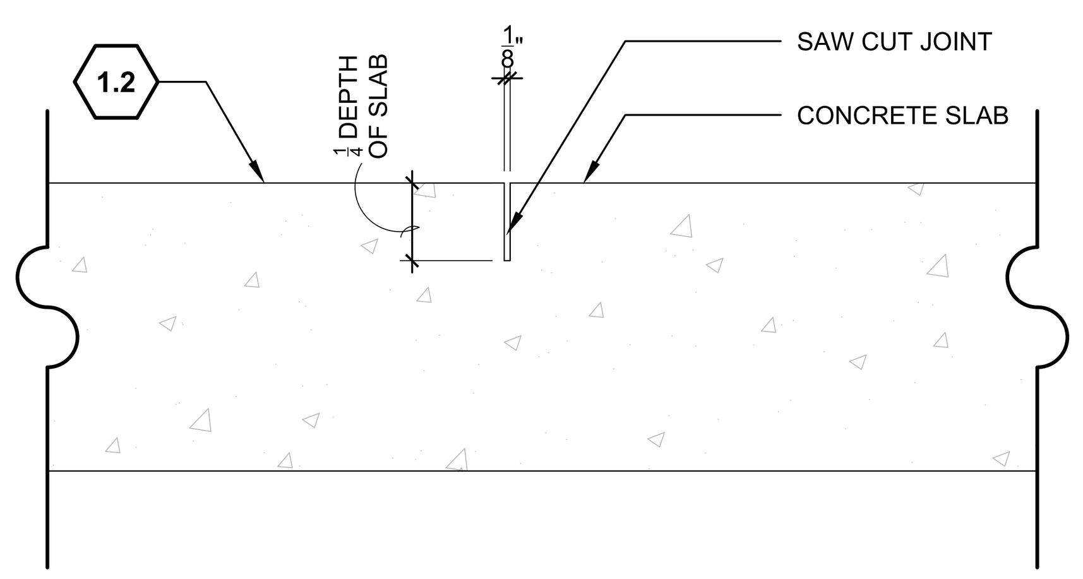
1 EXPANSION JOINT, TYPE 1 (DOWELED)
3" = 1'-0"
2.1



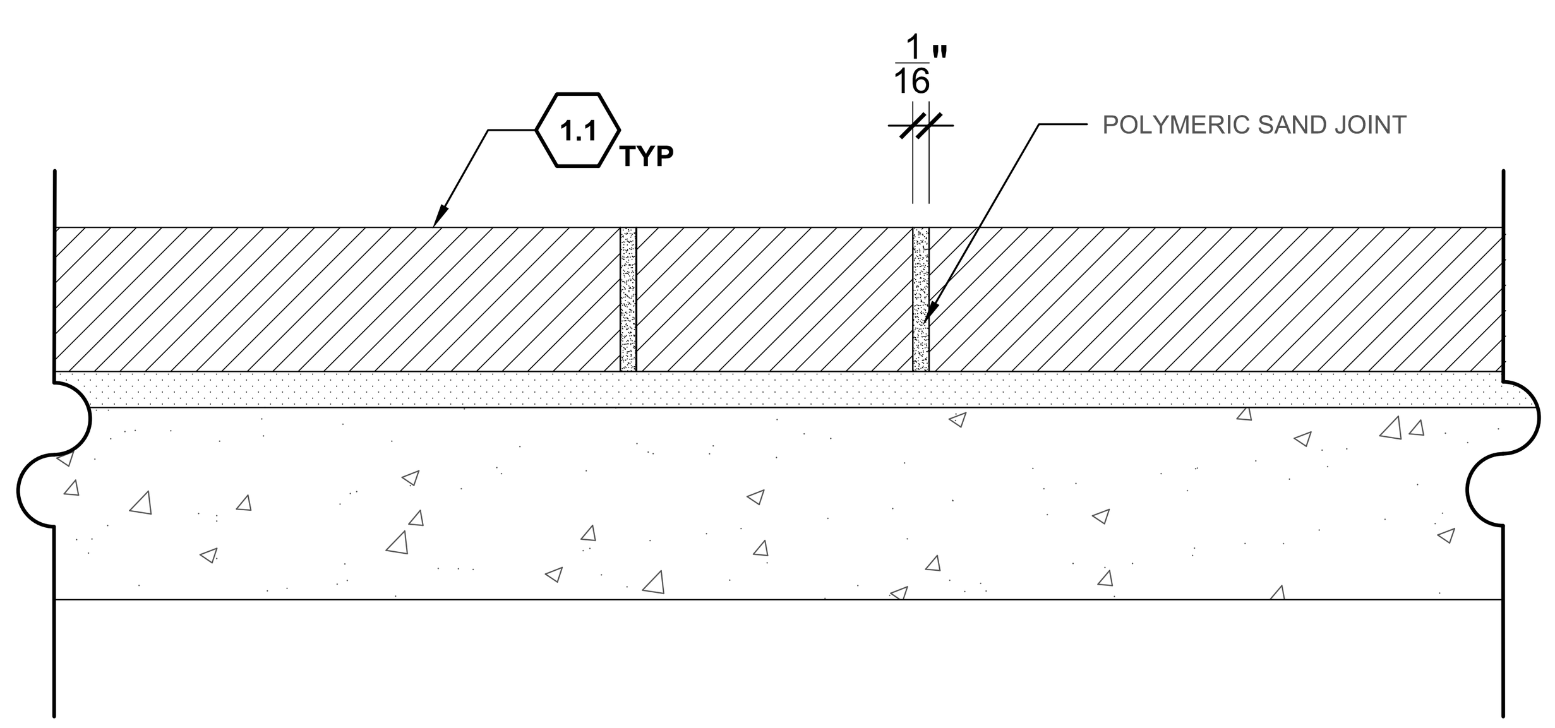
2 EXPANSION JOINT, TYPE 2 (NON-DOWELED)
3" = 1'-0"
2.2



3 EXPANSION JOINT, TYPE 3 (DOWELED PAVER SUBSLAB)
3" = 1'-0"
2.3



4 CONTROL JOINT, TYPE 1 (CONC BAND)
3" = 1'-0"
2.4



5 SAND JOINT, TYPE 1 (UNIT PAVERS)
3" = 1'-0"
2.5

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**			
2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**			
3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**			
	Not Used at this Time.			
6.0	**RAILINGS, BARRIERS, FENCING**			
	Not Used at this Time.			
7.0	**SITE LIGHTING**			
	Refer to Site Lighting Plan Series.			
8.0	**DRAINAGE**			
	Not Used at this Time.			
9.0	**PLANTING AND LANDSCAPE**			
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings			
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Site Boulders	2 / L7-07		044300.13
10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

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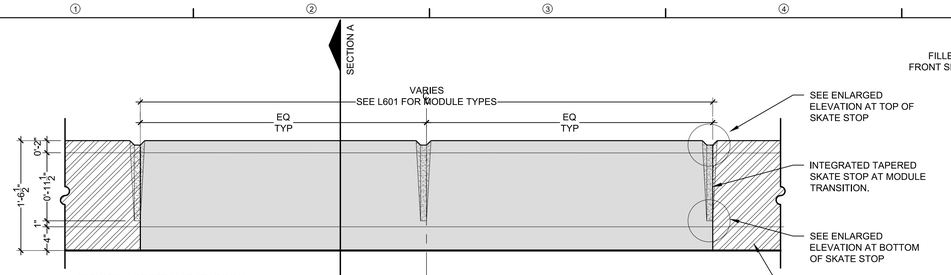
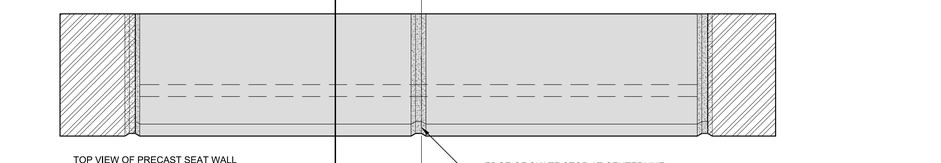
SITE DETAILS

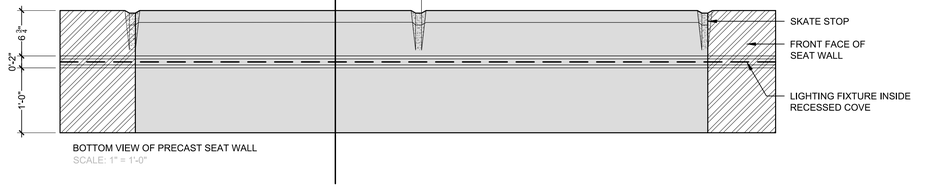
SHEET NUMBER
L7-04



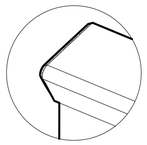
ELEVATION OF PRECAST SEAT WALL
SCALE: 1" = 1'-0"



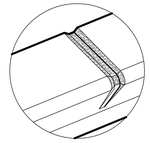
TOP VIEW OF PRECAST SEAT WALL
SCALE: 1" = 1'-0"



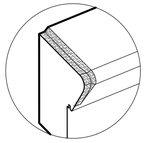
BOTTOM VIEW OF PRECAST SEAT WALL
SCALE: 1" = 1'-0"



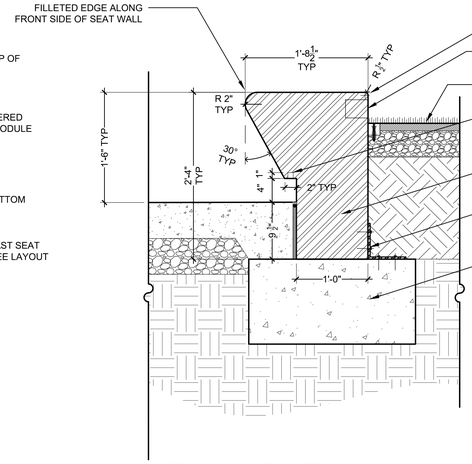
ENLARGED AXON AT SEAT WALL MODULE END
NTS



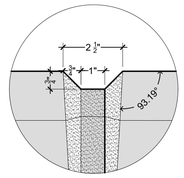
ENLARGED AXON AT SKATE STOP
NTS



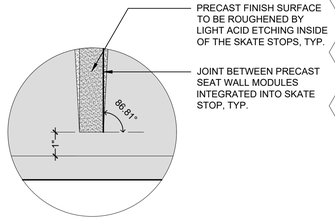
ENLARGED AXON AT SEAT WALL MODULE END
NTS



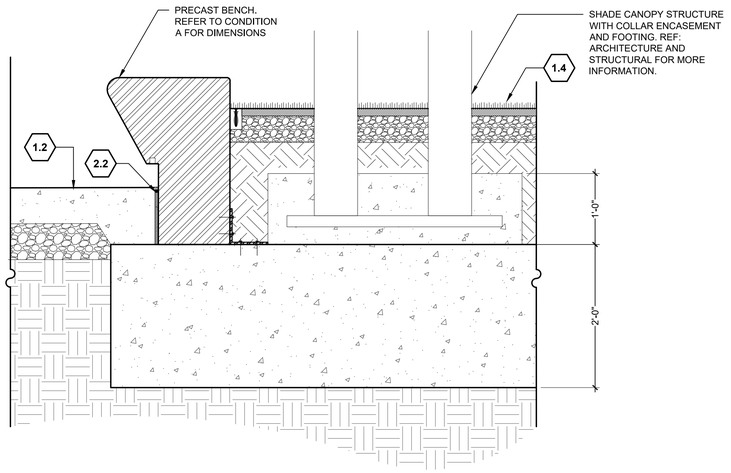
SECTION ALONG RAISED PLANTER
CONDITION A
SCALE: 1" = 1'-0"



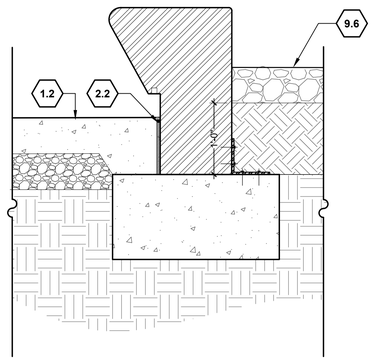
ENLARGED ELEVATION AT SKATE STOP
SCALE: 1/4" = 1'-0"



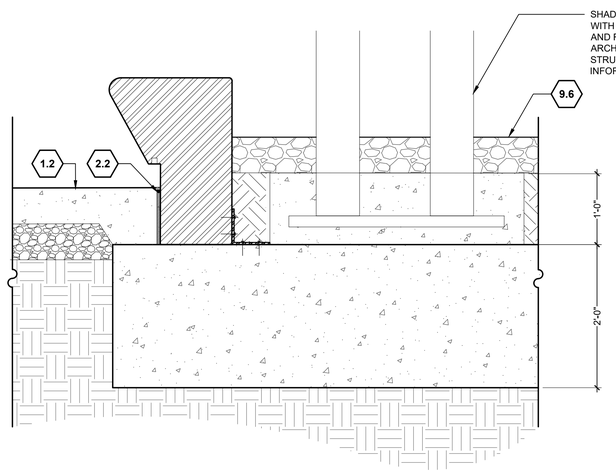
ENLARGED ELEVATION AT MODULE TRANSITION
SCALE: 1/4" = 1'-0"



SECTION ALONG RAISED PLANTER & CANOPY STRUCTURE
CONDITION B
SCALE: 1" = 1'-0"



SECTION ALONG COBBLE MULCH
CONDITION C
SCALE: 1" = 1'-0"



SECTION ALONG COBBLE MULCH & CANOPY STRUCTURE
CONDITION D
SCALE: 1" = 1'-0"

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**			
2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**			
3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**			
	Not Used at this Time.			
6.0	**RAILINGS, BARRIERS, FENCING**			
	Not Used at this Time.			
7.0	**SITE LIGHTING**			
	Refer to Site Lighting Plan Series.			
8.0	**DRAINAGE**			
	Not Used at this Time.			
9.0	**PLANTING AND LANDSCAPE**			
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings			
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Site Boulders	2 / L7-07		044300.13
10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

1 **SEAT WALL, TYPICAL DETAIL**
SEE DRAWING

4.1

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THE CITY OF SPARKS
SPARKS, NV

REGISTERED LANDSCAPE ARCHITECT Steve Noll 510 Expires: June 30, 2021 STATE OF NEVADA

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: AW REVIEWED: MG

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

SITE DETAILS

SHEET NUMBER
L7-05

Sep 21, 2022 - 5:17pm
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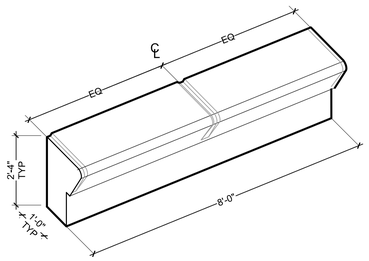
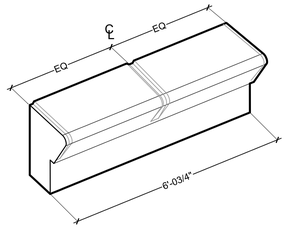
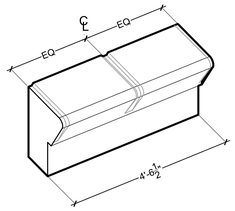


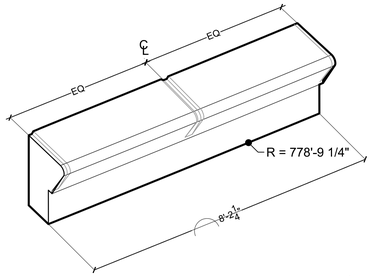
TYPE 1A
TYPICAL STRAIGHT SECTION



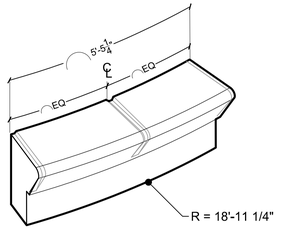
TYPE 1B
STRAIGHT SECTION



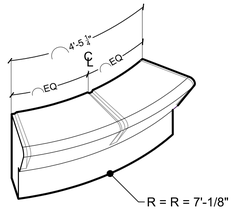
TYPE 1C
STRAIGHT SECTION



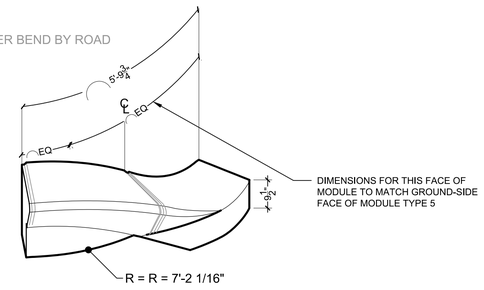
TYPE 2D
TYPICAL OUTER BEND BY ROAD



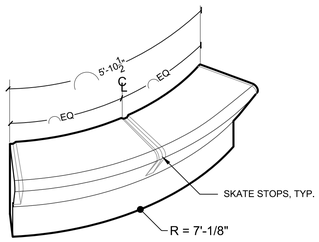
TYPE 2C
20'-0" OUTER BEND



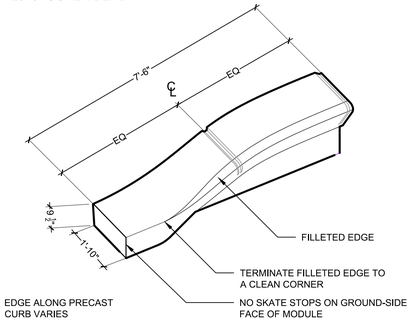
TYPE 2B
7'-0" OUTER BEND #2



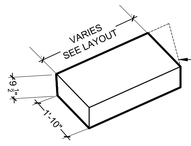
TYPE 6
ROUNDED SECTION
WITH CURVATURE



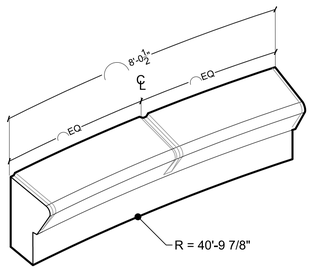
TYPE 2A
7'-0" OUTER BEND #1



TYPE 5
TYPICAL ROUNDED SECTION



TYPE 4
CURB SECTION



TYPE 3
50'-0" INNER BEND

SITE KEYNOTES:

			DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**				
	1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
	1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
	1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
	1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
	1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**				
	2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
	2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
	2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
	2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
	2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**				
	3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**				
	4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**				
	Not Used at this Time.				
6.0	**RAILINGS, BARRIERS, FENCING**				
	Not Used at this Time.				
7.0	**SITE LIGHTING**				
	Refer to Site Lighting Plan Series.				
8.0	**DRAINAGE**				
	Not Used at this Time.				
9.0	**PLANTING AND LANDSCAPE**				
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings				
10.0	**MISCELLANEOUS ELEMENTS**				
	10.1	Site Boulders	2 / L7-07		044300.13
	10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

1 SEAT WALL, TYPE 1 (PRECAST SEAT WALL)

1" = 1'-0"

4.1

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THE CITY OF SPARKS
SPARKS, NV

REGISTERED LANDSCAPE ARCHITECT
Steve Noll
510
Expires June 30, 2021
STATE OF NEVADA

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

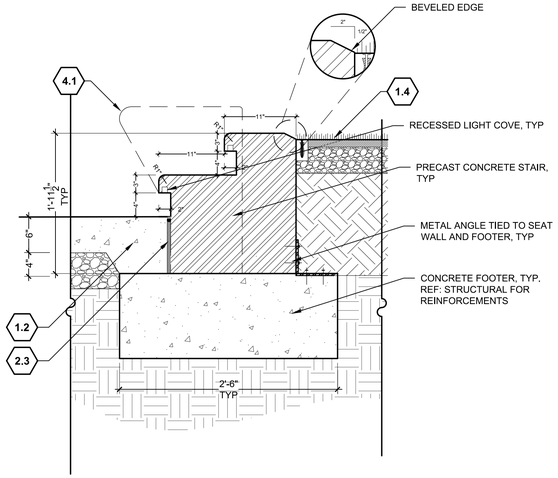
DRAWN: AW REVIEWED: MG

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

SITE DETAILS

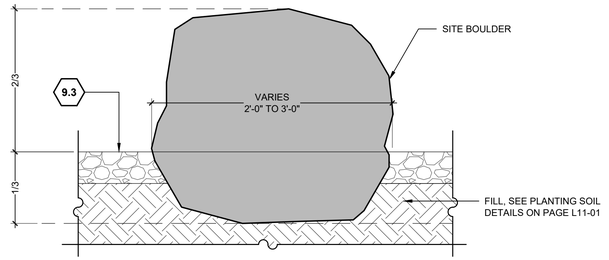
SHEET NUMBER
L7-06



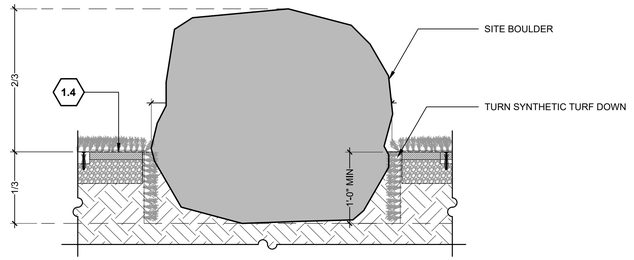
1 STEPS, TYPE 1

3.1

1" = 1'-0"



TYPICAL SECTION AT COBBLE MULCH
CONDITION A

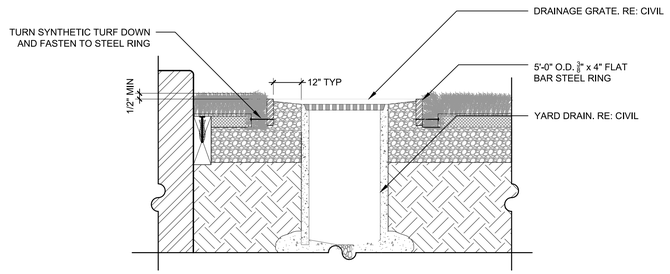


TYPICAL SECTION AT SYNTHETIC TURF
CONDITION B

2 SITE BOULDERS

10.1

1" = 1'-0"



3 TURF AT YARD DRAIN

10.2

1/2" = 1'-0"

SITE KEYNOTES:

			DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**				
	1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
	1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
	1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
	1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
	1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**				
	2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
	2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
	2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
	2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
	2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**				
	3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**				
	4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**				
	Not Used at this Time.				
6.0	**RAILINGS, BARRIERS, FENCING**				
	Not Used at this Time.				
7.0	**SITE LIGHTING**				
	Refer to Site Lighting Plan Series.				
8.0	**DRAINAGE**				
	Not Used at this Time.				
9.0	**PLANTING AND LANDSCAPE**				
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings				
10.0	**MISCELLANEOUS ELEMENTS**				
	10.1	Site Boulders	2 / L7-07		044300.13
	10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

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Steve Noll
510
Expires June 30, 2021
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REVISIONS

#	DATE	DESCRIPTION

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100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

SITE DETAILS

SHEET NUMBER

L7-07

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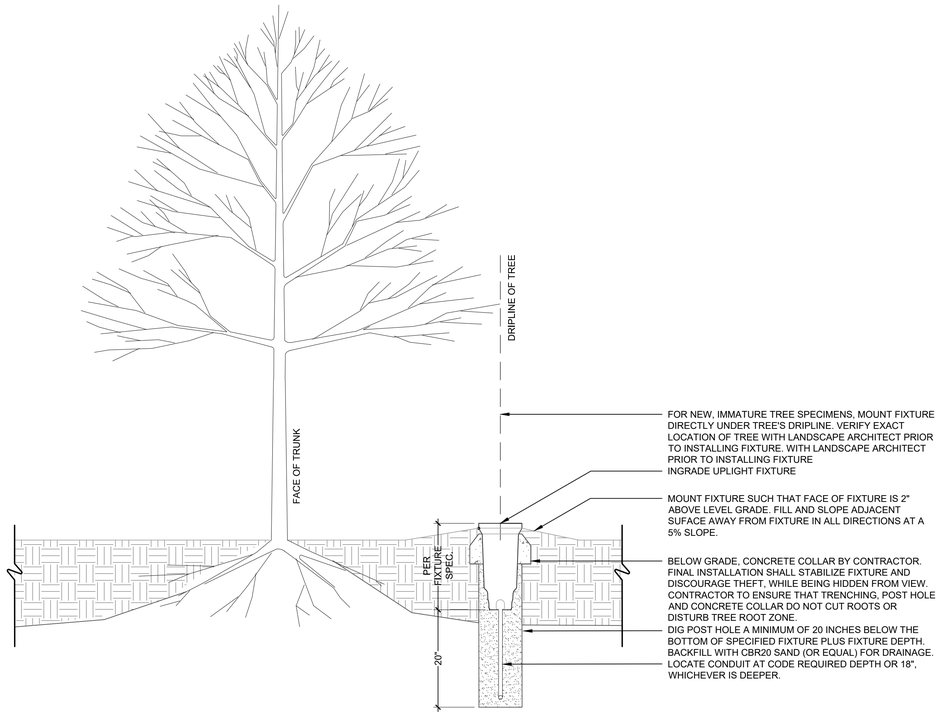
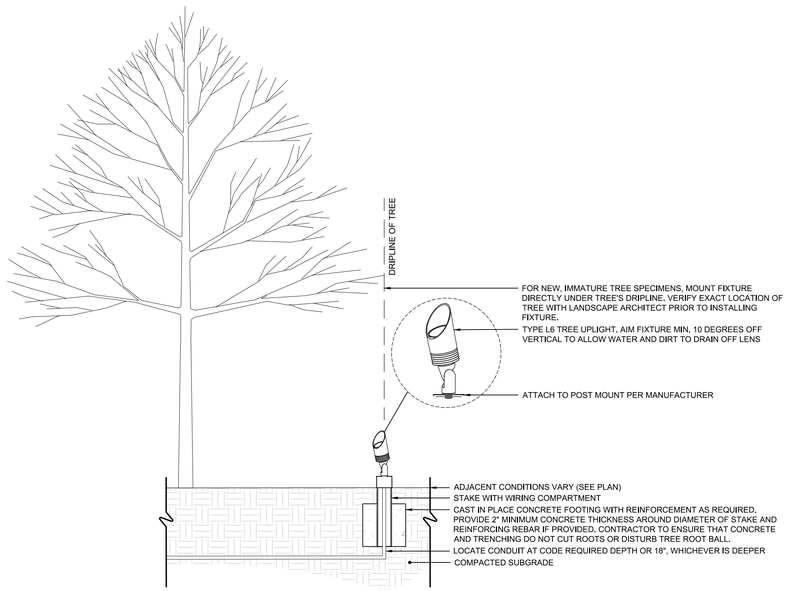


1 LED INGRADE UPLIGHT

1" = 1'-0"

7.5



2 LED STAKE MOUNTED UPLIGHT

1" = 1'-0"

7.6

SITE KEYNOTES:

			DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**				
	1.1	Paving, Type 1 (Concrete Unit Paver)	1A / L7-02	1B,C / L7-02	321400
	1.2	Paving, Type 2 (C.I.P. Concrete)	2A / L7-02	2B,C / L7-02	321316
	1.3	Paving, Type 3 (Tactile Warning Strip)	1 / L7-03	2 / L7-02	321726
	1.4	Paving, Type 4 (Synthetic Turf)	2 / L7-03	1 / L11-01	321813
	1.5	Crushed Stone Paving	3 / L7-03	1 / L11-01	321813
2.0	**JOINTING**				
	2.1	Expansion Joint, Type 1 (Doweled)	1 / L7-04	1 / L7-02	321316
	2.2	Expansion Joint, Type 2 (Non-Doweled)	2 / L7-04	2 / L7-02	321316
	2.3	Expansion Joint, Type 3 (Doweled Paver Subslab)	3 / L7-04	1 / L0-01	321316
	2.4	Control Joint, Type 1 (C.I.P. Concrete)	4 / L7-04	2 / L7-04	321316
	2.5	Sand Joint, Type 1 (Unit Pavers)	4 / L7-04	1 / L7-02	321400
3.0	**STEPS**				
	3.1	Steps, Type 1 (Precast Steps)	1 / L7-07	1 / L7-02	321316
4.0	**SITE WALLS/ EMBANKMENTS**				
	4.1	Seat Wall, Type 1 (Precast Seat Wall)	1A / L7-05	1B,C,D / L7-06	034500
5.0	**SITE FURNITURE**				
	Not Used at this Time.				
6.0	**RAILINGS, BARRIERS, FENCING**				
	Not Used at this Time.				
7.0	**SITE LIGHTING**				
	Refer to Site Lighting Plan Series.				
8.0	**DRAINAGE**				
	Not Used at this Time.				
9.0	**PLANTING AND LANDSCAPE**				
	Refer to Site Tree Planting, and Site Shrub and Groundcover drawings				
10.0	**MISCELLANEOUS ELEMENTS**				
	10.1	Site Boulders	2 / L7-07		044300.13
	10.2	Turf at Yard Drain	3 / L7-07	2 / L7-03	321813

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PROJECT NUMBER: 6834

SITE DETAILS

SHEET NUMBER

L7-08

Sep 21, 2022 - 5:17pm
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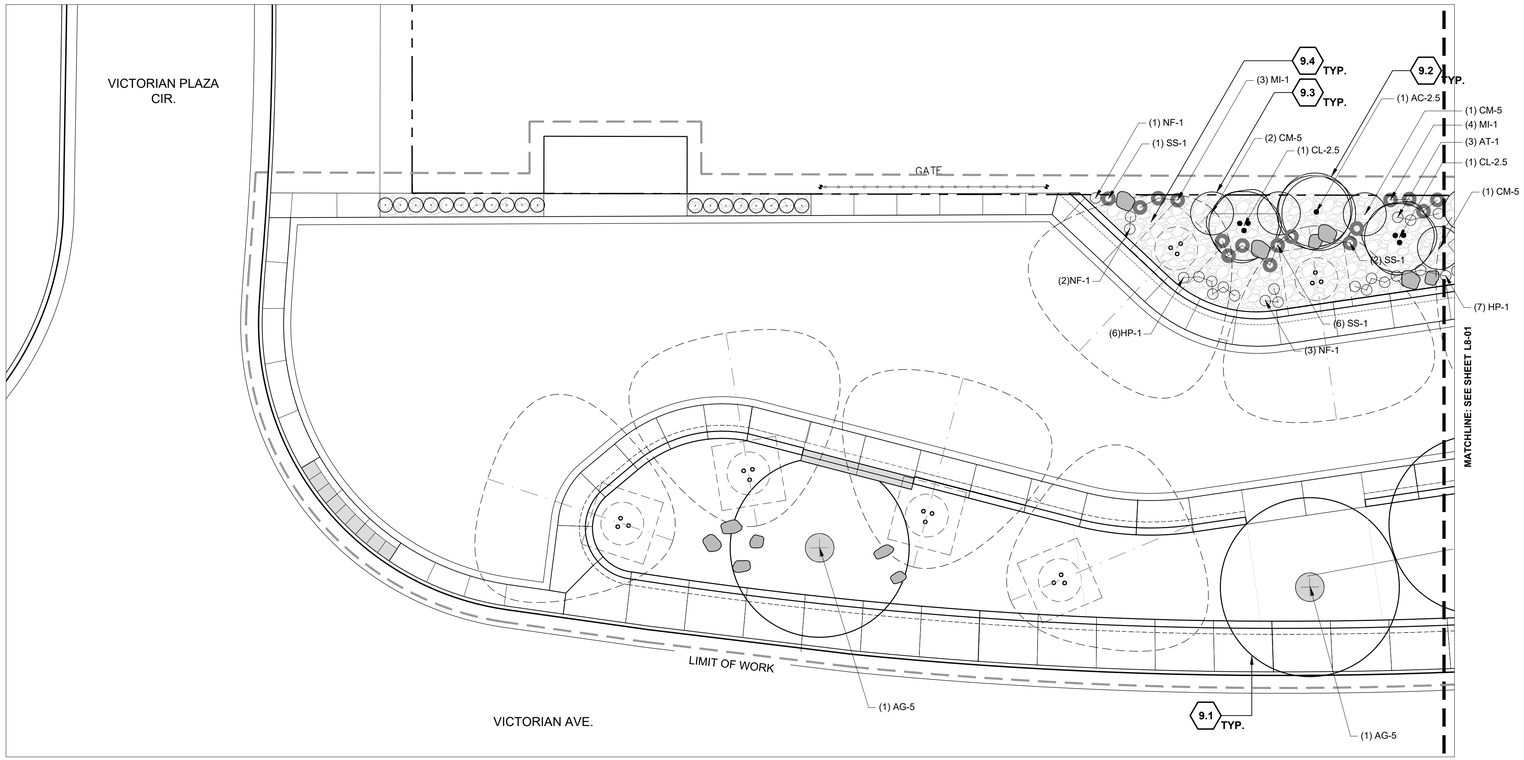
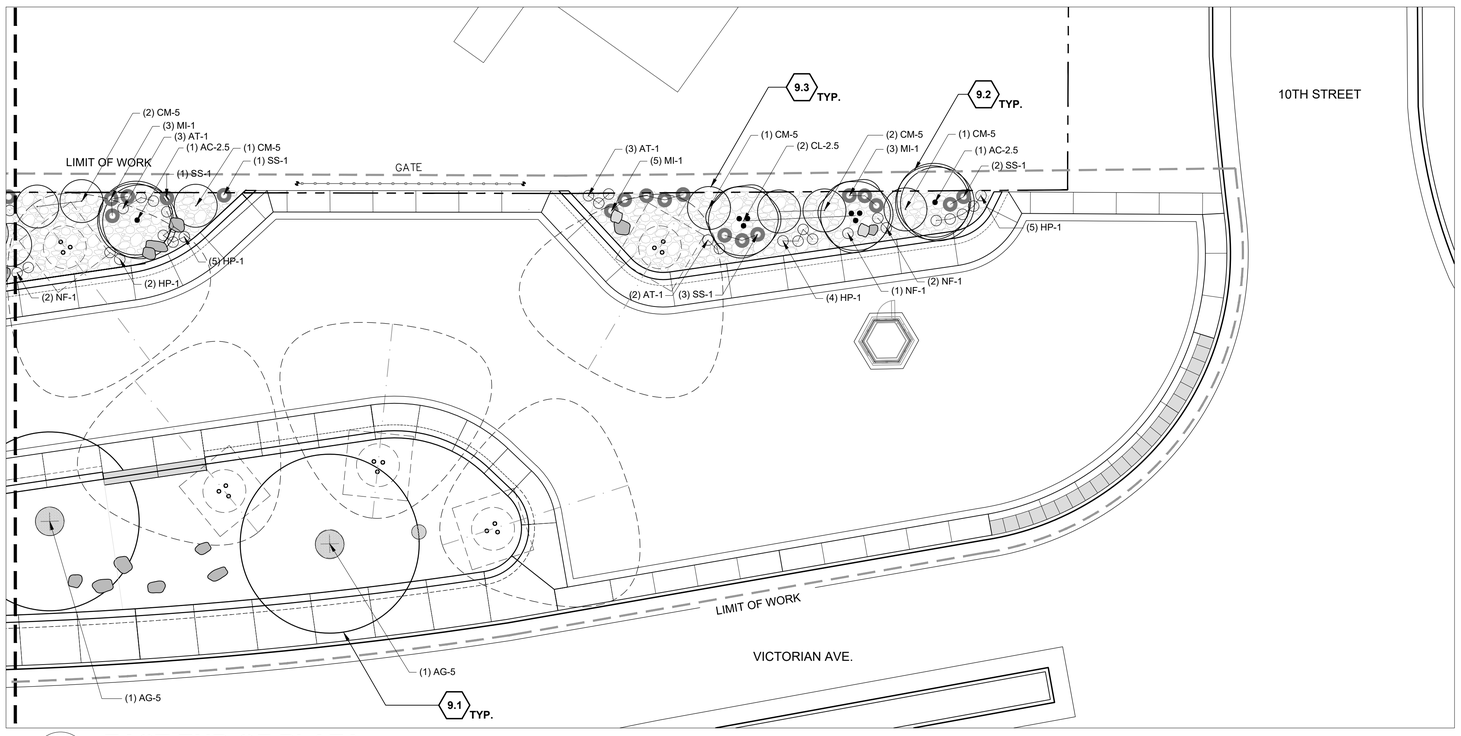


A WEST END OF PLAZA

1" = 10'-0"



B EAST END OF PLAZA

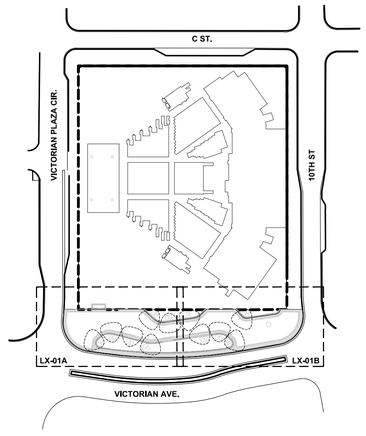
1" = 10'-0"

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree in Artificial Turf	1 / L11-01	2 / L7-03	329200
9.2	Ornamental Tree Planting At Grade	2 / L11-01	5 / L11-01	329200
9.3	Shrub And Ornamental Grass	3 / L11-01		329200
9.4	Planting Soil Type 1 (Perennials & Grasses)	4 / L11-01		329300
9.5	Planting Soil Type 2 (Trees and Shrubs)	5 / L11-01		329300
9.6	Planting Soil Type 3 (Trees @ artificial turf)	5 / L11-01		329300

PLANT LEGEND

ABBR.	BOTANICAL NAME	COMMON NAME	SPACING
DECIDUOUS TREES			
AG-5	*Acer glabrum*	Rocky Mountain Maple	AS SHOWN
ORNAMENTAL TREES			
AC-2.5	*Amelanchier canadensis*	Serviceberry	AS SHOWN
CL-2.5	*Chilopsis linearis 'bubba'*	Bubba Desert Willow	AS SHOWN
SHRUBS			
CM-5	*Chamaebatiaria millefolium*	Fernbush	24" O.C.
ORNAMENTAL GRASSES			
SS-1	*Schizachyrium scoparium*	Little Bluestem	24" O.C.
MI-1	*Miscanthus spp.*	Silver Grass	24" O.C.
PERENNIALS			
AM-1	*Chamaebatiaria millefolium*	Fernbush	18" O.C.
HP-1	*Hesperaloe parviflora*	Red Yucca	18" O.C.
NF-1	*Nepeta x faassenii 'walker's low'*	Walker's Low Catmint	18" O.C.



KEY PLAN

General Note:
Refer to General Information Sheet L0-05 for General and Series Specific Notes, Legends, Abbreviations, Lists, Schedules

NORTH

0 5' 10' 20'
ORIGINAL SCALE: 1"=10'-00"

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THE CITY OF SPARKS

SPARKS, NV

REGISTERED LANDSCAPE ARCHITECT Steve Noll 510 Expires: June 30, 2023 STATE OF NEVADA

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: AW REVIEWED: MG

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

PLANTING PLAN

SHEET NUMBER

L8-01

Sep 21, 2022 - 5:17pm
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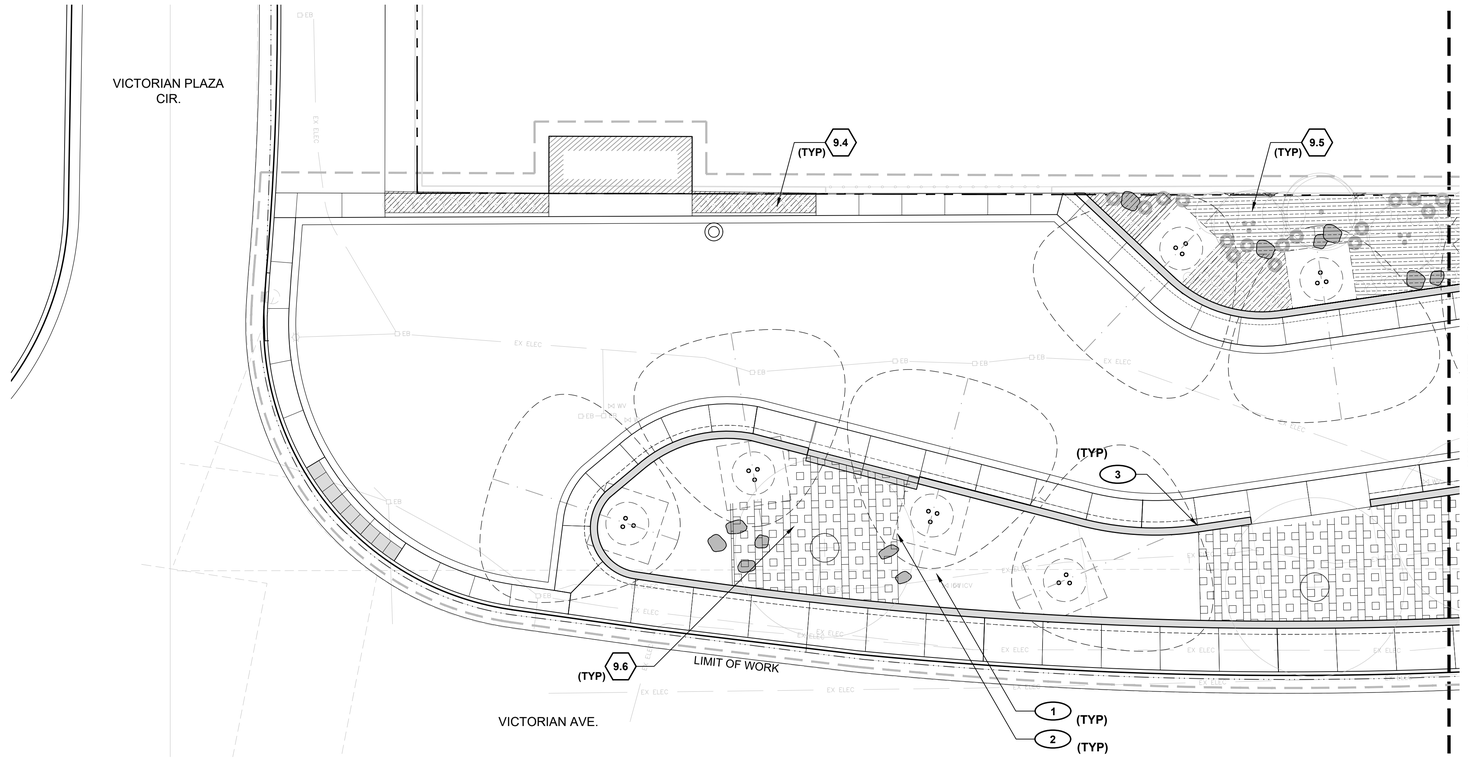
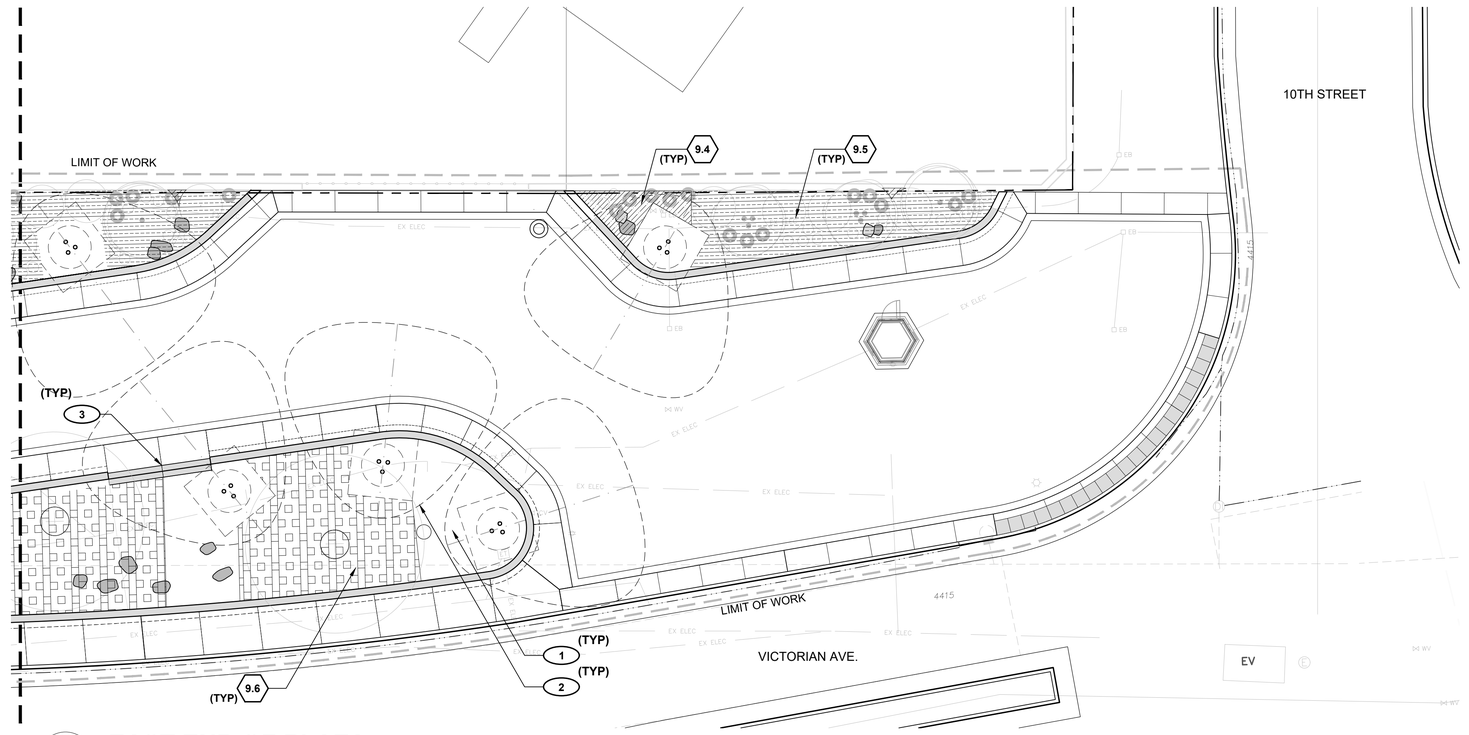


A WEST END OF PLAZA

1" = 10'-0"



B EAST END OF PLAZA

1" = 10'-0"

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
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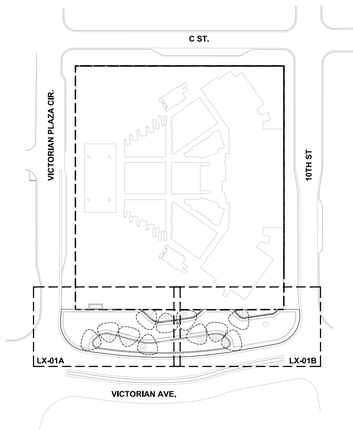
9.6	Planting Soil Type 3 (Trees @ artificial turf)	5 / L11-01		329300

SITE SOILS REFERENCE NOTES

1. The areas within the raised planter and outside of Soil Type 3 shall be native fill.
2. Align soil fill with edge of shade structure footer.
3. Align soil fill with precast module joint.



KEY PLAN SCALE = 1" = 100'-0"

NORTH 0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-00"

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THE CITY OF SPARKS

SPARKS, NV

REGISTERED LANDSCAPE ARCHITECT Steve Noll 510 Expires June 30, 2021 STATE OF NEVADA

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

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PROJECT NUMBER: 6834

SITE SOILS PLAN

SHEET NUMBER

L10-01

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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree in Artificial Turf	1 / L11-01	2 / L7-03	329200
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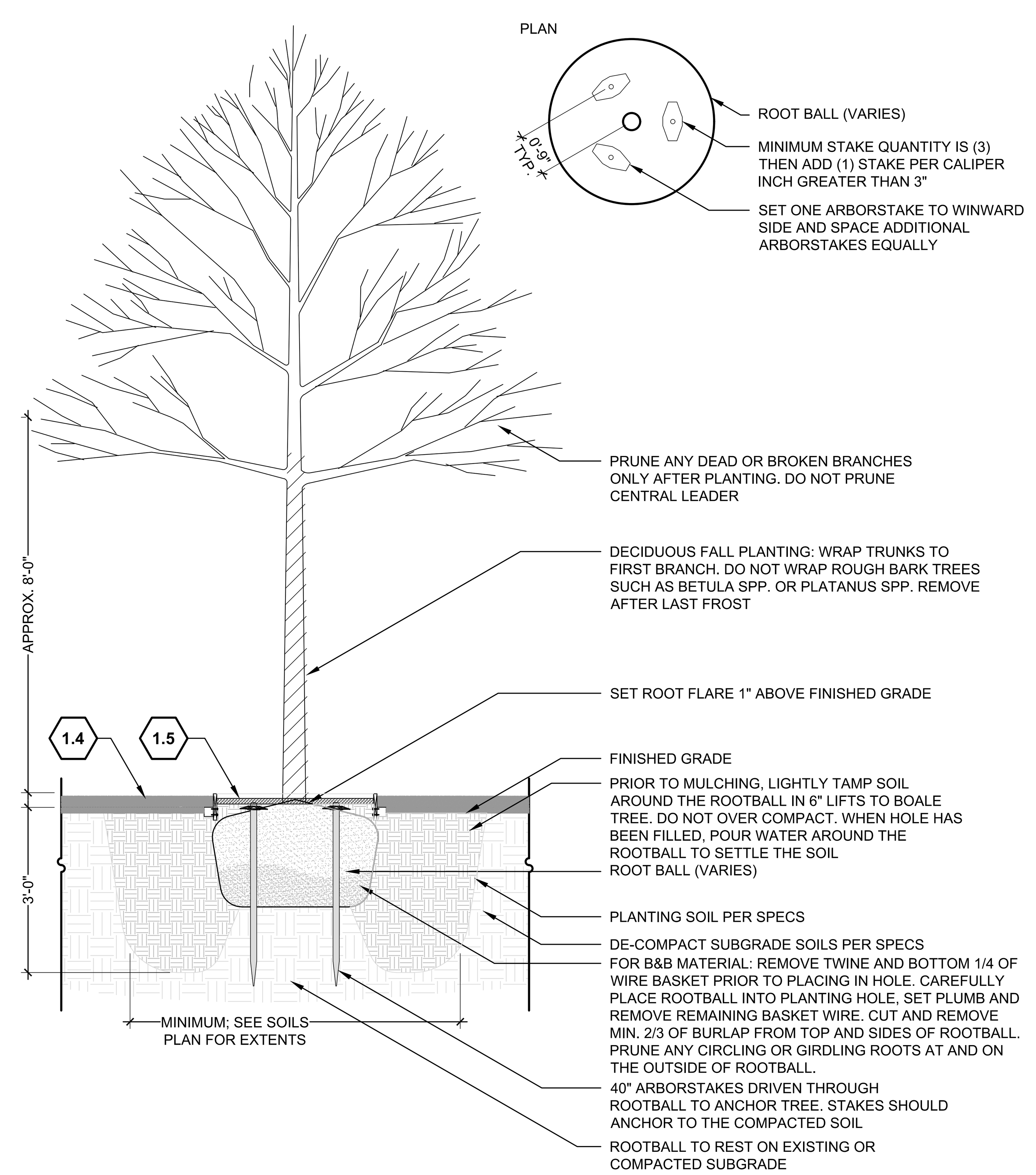
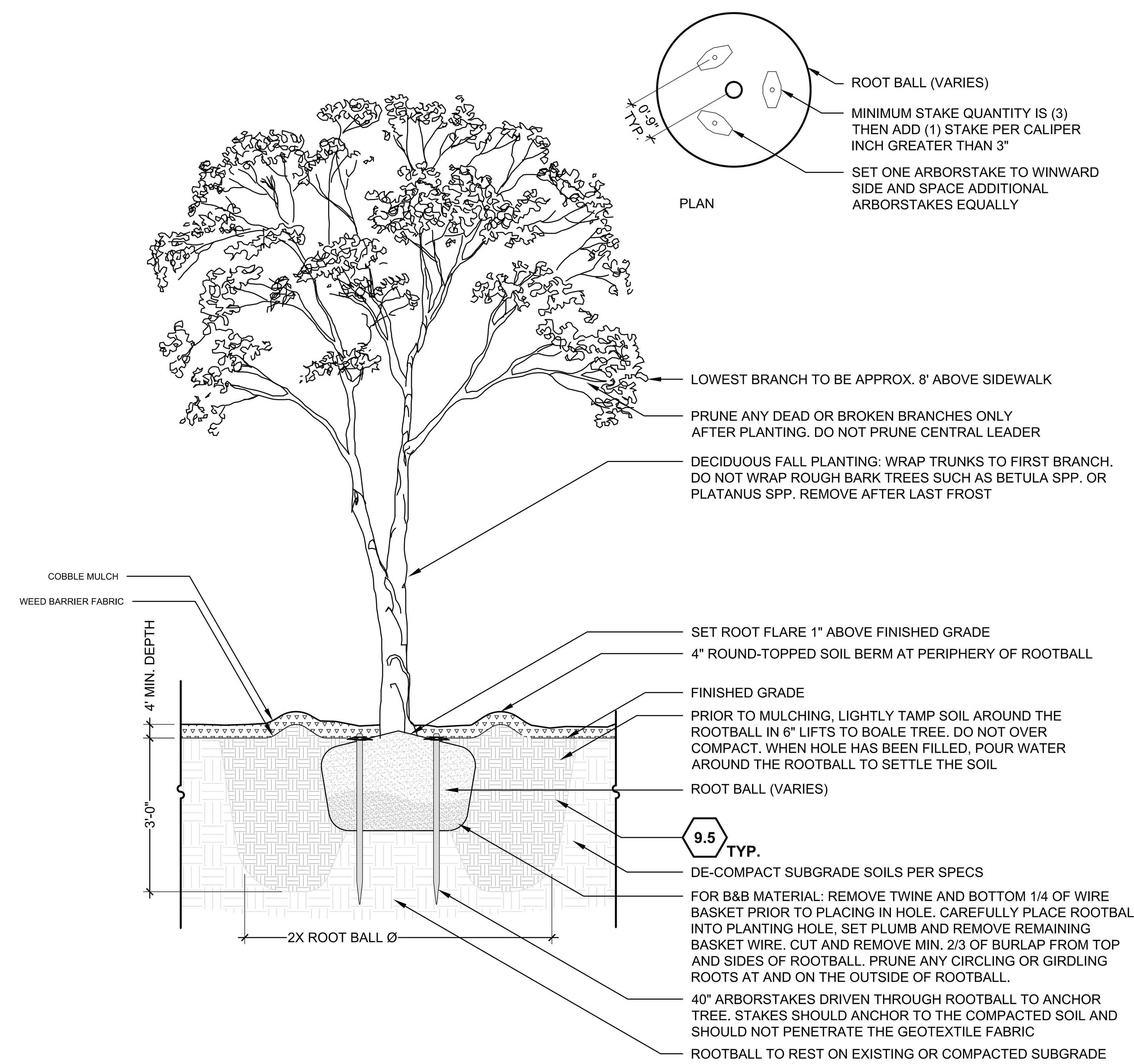


1 DECIDUOUS TREE IN ARTIFICIAL TURF

9.1

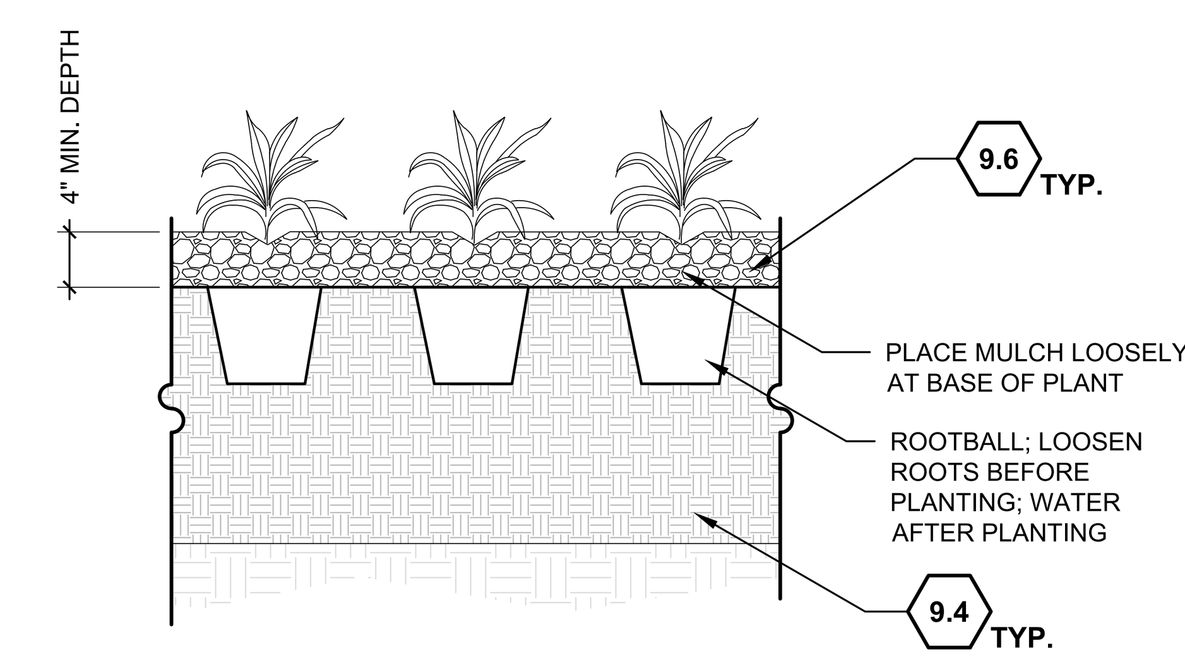
1" = 1'-0"



2 ORNAMENTAL TREE PLANTING AT GRADE

9.2

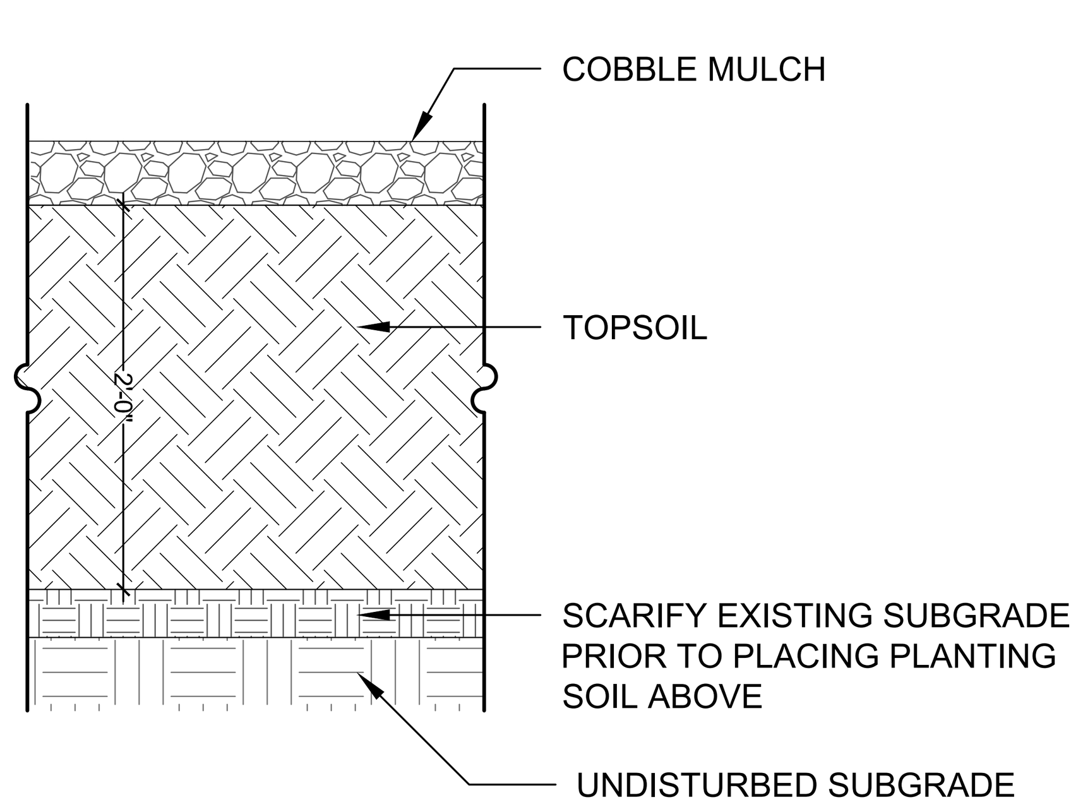
1" = 1'-0"



3 SHRUB & ORNAMENTAL GRASS

9.3

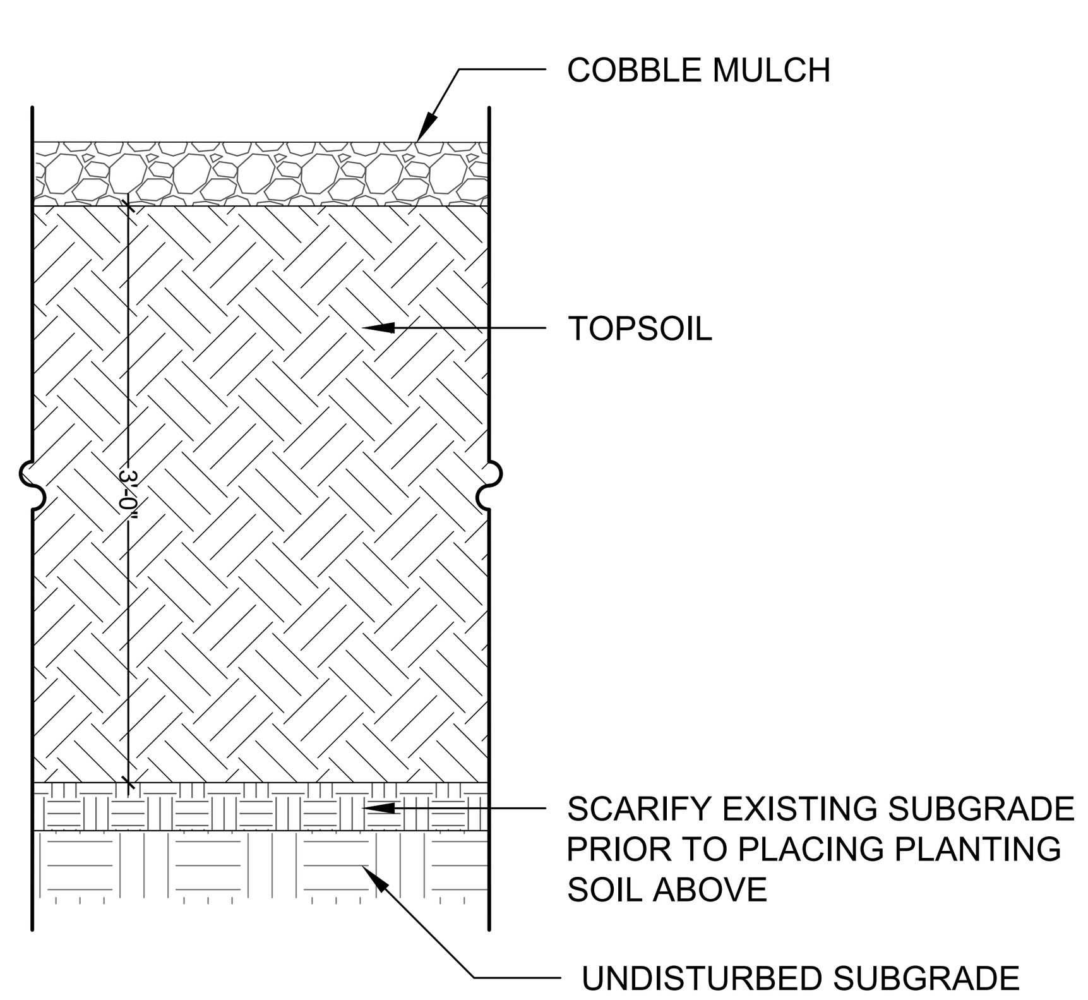
1" = 1'-0"



4 PLANTING SOIL TYPE 1

9.4

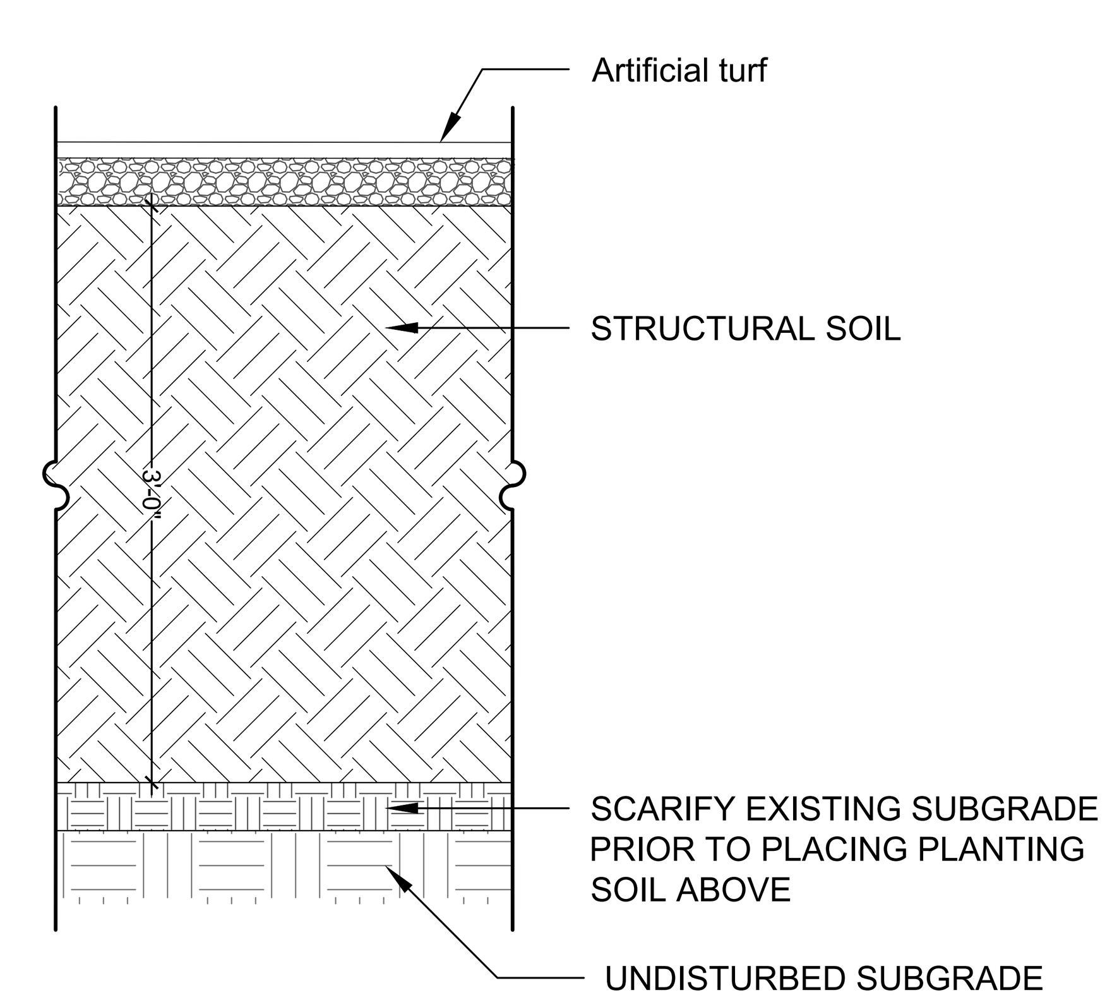
1" = 1'-0"



5 PLANTING SOIL TYPE 2

9.5

1" = 1'-0"



6 PLANTING SOIL TYPE 3

9.5

1" = 1'-0"

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THE CITY OF SPARKS SPARKS, NV

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PROJECT NUMBER: 6834

PLANTING DETAILS

SHEET NUMBER

L11-01

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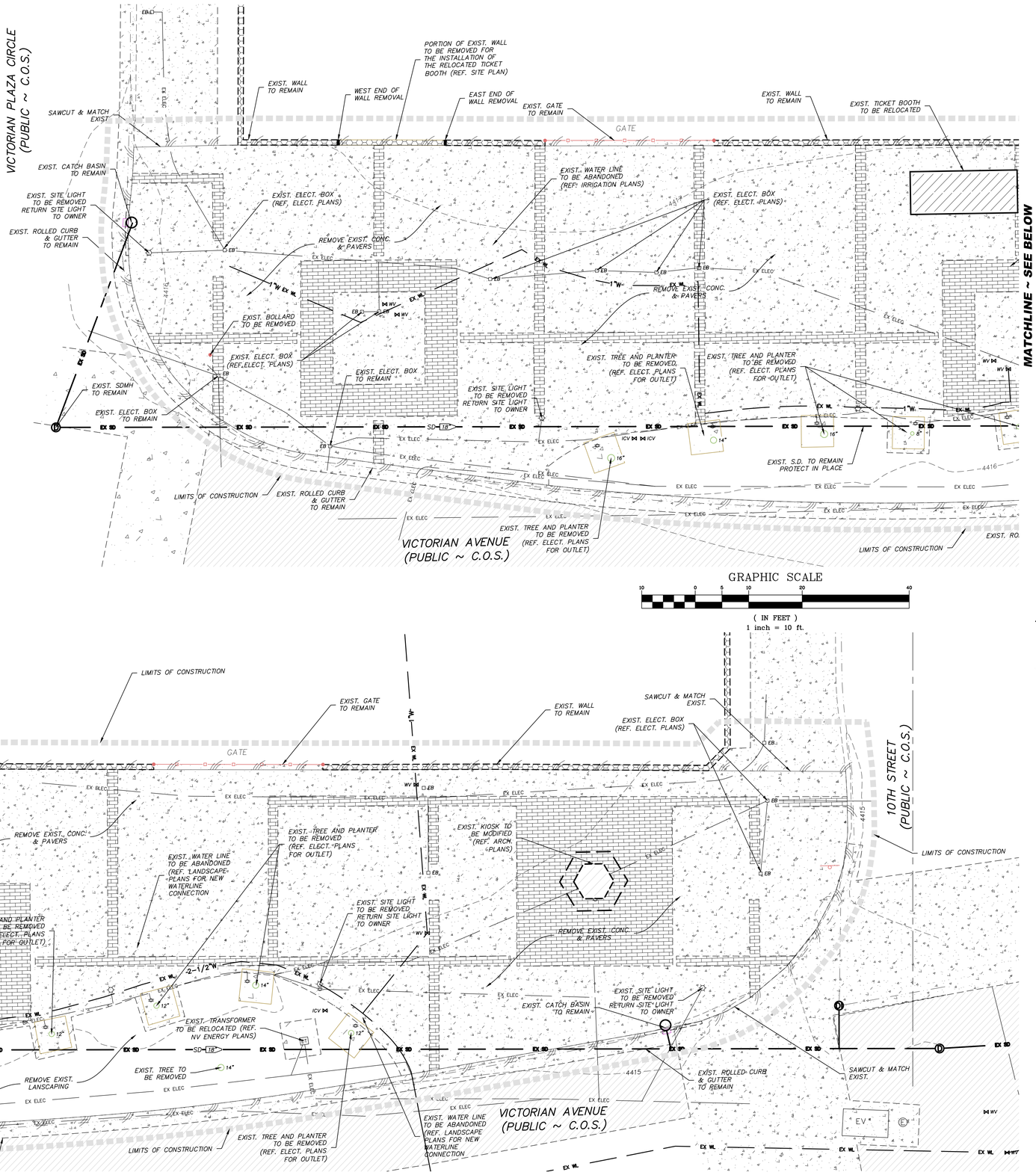

DEMOLITON NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS, AND THE LATEST STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION (AND ANY APPURTENANT SUPPLEMENTS) SPONSORED AN DISTRIBUTED BY RENO, SPARKS, AND WASHOE COUNTY. AND THE GEOTECHNICAL INVESTIGATION ENTITLED "SPARKS FORECOURT, SPARKS, NEVADA" BY BLACK EAGLE CONSULTING, INC., DATED APRIL 8, 2022.
2. THE CONTRACTOR SHALL MAINTAIN A DUST CONTROL PROGRAM, INCLUDING WATERING OF OPEN AREAS. THE CONTRACTOR SHALL ALSO MAINTAIN CONFORMITY WITH SECTION 040.030 OF THE WASHOE COUNTY AIR POLLUTION REGULATIONS.
3. THE CONTRACTOR SHALL VERIFY IN FIELD, ALL ELEVATIONS, DIMENSIONS, FLOW LINES, EXISTING CONDITIONS, AND POINT OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC OR PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES FOR LOCATIONS OR POT-HOLING PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION DEBRIS PER FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.
5. NO MATERIAL OF ANY KIND SHALL BE STOCKPILED, OR CONSTRUCTION EQUIPMENT PARKED ON CONCRETE OR ASPHALT SURFACES MAINTAINED BY THE CITY OF SPARKS.
6. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE TAKEN FROM SURFACE EVIDENCE AND AVAILABLE UTILITY COMPANY RECORDS. ALL UTILITIES SHOULD BE VERIFIED IN THE FIELD. ODYSSEY ENGINEERING INC. ASSUMES NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS OF SUCH RECORDS.
7. THE CONTRACTOR SHALL MAINTAIN AN ON-GOING PROCESS OF REMOVAL OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.
8. LAND GRADING SHALL BE DONE IN A METHOD TO PREVENT DUST FROM TRAVERSING THE PROPERTY LINE.
9. ALL REQUIRED UTILITY SHUT-DOWNS SHALL BE COORDINATED WITH APPROPRIATE UTILITY COMPANY AND OWNERS PERSONNEL.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE, PERMIT AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN IN CONFORMANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN EXISTING B.M.P. IMPROVEMENTS THAT ARE IN PLACE, AND SHALL PROVIDE AND MAINTAIN ADDITIONAL B.M.P.'S AS REQUIRED TO IMPLEMENT HIS S.W.P.P.P.
11. THE CONTRACTOR SHALL OBTAIN AND THE OWNER SHALL PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOR CONSTRUCTION.
12. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE SOILS ENGINEER, NEVADA ENERGY, CITY OF SPARKS, AND THE TRUCKEE MEADOWS WATER AUTHORITY 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
13. ADD 4400 FEET TO ALL TRUNCATED ELEVATIONS.
14. THE NATURAL VEGETATION AND EXISTING LANDSCAPING SHALL BE PRESERVED AS MUCH AS PRACTICAL DURING ROADWAY AND DRAINAGE IMPROVEMENTS CONSTRUCTION UNLESS NOTED OTHERWISE.
15. ANY ACCESS OR UNSUITABLE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF SPARKS REGULATIONS OR IN APPROVED AREAS.

LEGEND:

- EXISTING ASPHALT PAVING
- EXISTING PORTLAND CEMENT CONCRETE
- EXISTING BRICKS
- EXISTING CURB AND GUTTER
- EXISTING POST CURB
- EXISTING MANHOLE
- EXISTING TYPE 4-R CATCH BASIN
- EXISTING TYPE 1 CATCH BASIN
- EXISTING TYPE 3 CATCH BASIN
- SD 12" — EXISTING STORM DRAIN
- SS 8" — EXISTING SANITARY SEWER
- SS 8" — EXISTING SANITARY SEWER LATERAL
- 10"W/4"G — EXISTING WATER AND GAS
- 10"W — EXISTING WATER
- 4"G — EXISTING GAS
- 6"RW — EXISTING RECLAIM IRRIGATION MAIN
- ELECT/TEL — EXISTING UNDERGROUND ELECTRIC/ TELEPHONE
- ELECT — EXISTING UNDERGROUND ELECTRIC
- TEL — EXISTING UNDERGROUND TELEPHONE
- F.H. — EXISTING FIRE HYDRANT
- EXISTING WATER SERVICE
- EXISTING SITE LIGHT
- 4396 — EXISTING CONTOUR
- (E) EXISTING
- 4395.03 EXISTING SPOT ELEVATION
- SAWCUT LINE

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Exp. 12-31-23
CIVIL
No. 28825
9/21/22

ISSUE DATE: 09/21/2022

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PROJECT NUMBER: 6834

CIVIL DEMO PLAN

SHEET NUMBER
C100

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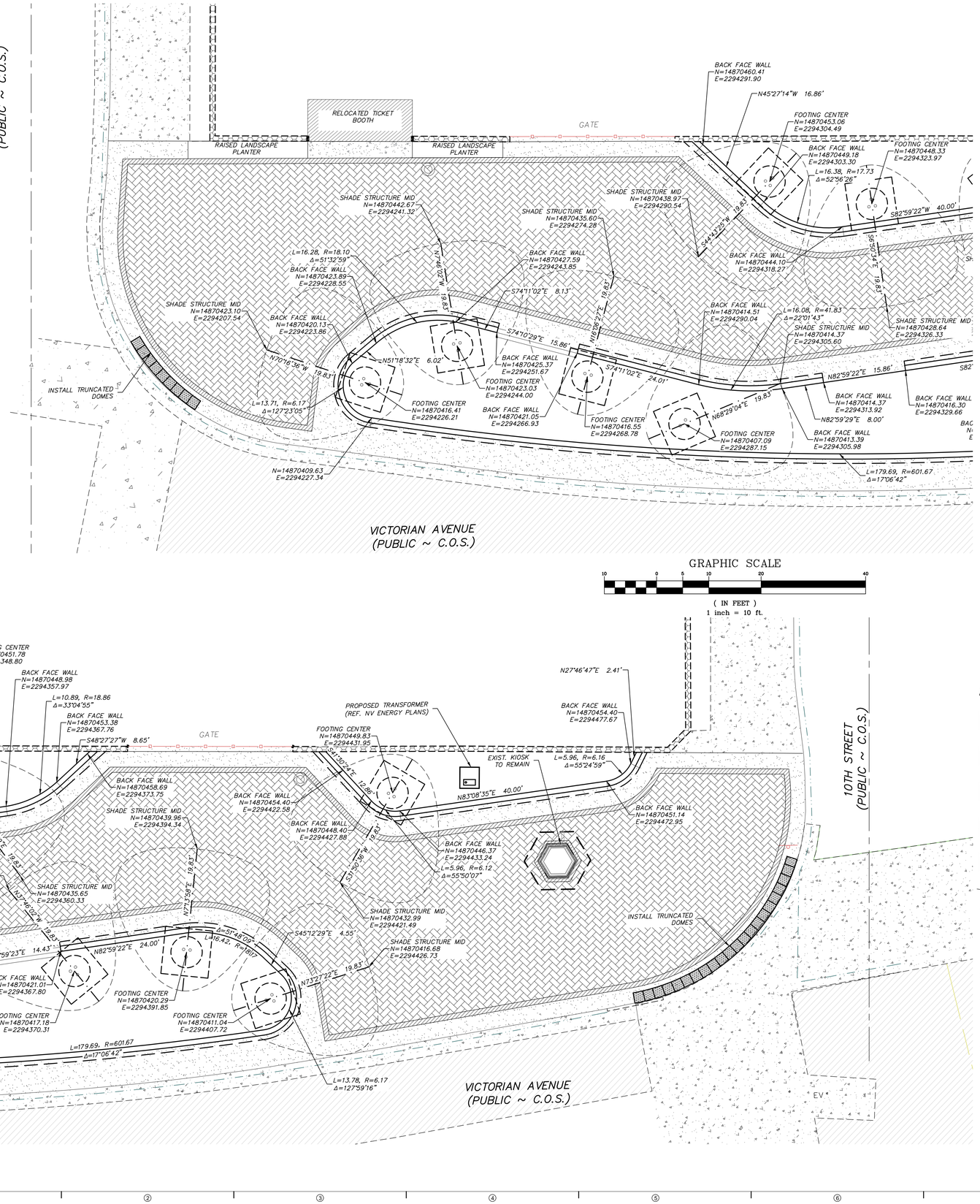

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

SITE NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS, AND THE LATEST STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION (AND ANY APPURTENANT SUPPLEMENTS) SPONSORED AN DISTRIBUTED BY RENO, SPARKS, AND WASHOE COUNTY, AND THE GEOTECHNICAL INVESTIGATION ENTITLED "XXXX" BY XXXX, DATED X.
2. THE CONTRACTOR SHALL VERIFY IN FIELD, ALL ELEVATIONS, DIMENSIONS, FLOW LINES, EXISTING CONDITIONS, AND POINT OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC OR PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES FOR LOCATIONS OR POT-HOLING PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES FOR LOCATIONS OR POT-HOLING PRIOR TO CONSTRUCTION.
4. ALL REQUIRED UTILITY SHUT-DOWNS SHALL BE COORDINATED WITH APPROPRIATE UTILITY COMPANY AND LEGENDS PERSONNEL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE, PERMIT AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN IN CONFORMANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN EXISTING B.M.P. IMPROVEMENTS THAT ARE IN PLACE, AND SHALL PROVIDE AND MAINTAIN ADDITIONAL B.M.P.'S AS REQUIRED TO IMPLEMENT HIS S.W.P.P.P.
6. THE CONTRACTOR SHALL OBTAIN AND THE OWNER SHALL PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOR CONSTRUCTION.
7. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE SOILS ENGINEER, NEVADA ENERGY, CITY OF SPARKS, AND THE TRUCKEE MEADOWS WATER AUTHORITY 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
8. ALL DIMENSIONS ARE TO FRONT FACE OF CURB UNLESS NOTED OTHERWISE.
9. ALL STRIPING AND SIGNAGE SHALL CONFORM TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION.

LEGEND:

- EXISTING ASPHALT PAVING
- EXISTING PORTLAND CEMENT CONCRETE
- A.C. PAVING AREA
- PAVERS
- PORTLAND CEMENT CONCRETE AREA
- 4396 — EXISTING CONTOUR
- **4396** — PROPOSED CONTOUR
- (E) EXISTING
- +4396.03 EXISTING SPOT ELEVATION
- CURB AND GUTTER (DASHED IF EXISTING)
- POST CURB (DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN (DASHED IF EXISTING)
- TYPE 1 CATCH BASIN (DASHED IF EXISTING)
- TYPE 3 CATCH BASIN (DASHED IF EXISTING)
- FF=96.50 ELEVATION @ FINISH FLOOR
- FG=96.00 ELEVATION @ FINISH GRADE
- SG=94.00 ELEVATION @ SUBGRADE
- SD-12" STORM DRAIN (DASHED IF EXISTING)
- SS-8" SANITARY SEWER (DASHED IF EXISTING)
- 10"W/4"G EXISTING WATER AND GAS
- 10"W EXISTING WATER
- 4"G EXISTING GAS
- 6"RW EXISTING RECLAIM IRRIGATION MAIN
- ELECT/TEL EXISTING UNDERGROUND ELECTRIC/ TELEPHONE
- ELECT EXISTING UNDERGROUND ELECTRIC
- TEL EXISTING UNDERGROUND TELEPHONE
- F.H. EXISTING FIRE HYDRANT
- EXISTING WATER SERVICE
- EXISTING SITE LIGHT
- GRADE BREAK
- 2.0% SLOPE IN PERCENT
- 96.43 FG ELEVATION @ FINISH GRADE
- 82.50 TC ELEVATION @ TOP OF CURB
- 96.43 GB ELEVATION @ GRADE BREAK
- 96.43 FL ELEVATION @ FLOW LINE
- SAWCUT LINE
- +4396.45 SPOT ELEVATION EXISTING

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TRAVIS C. PAGE
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No. 28825
9/21/22

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

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100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

CIVIL SITE PLAN

SHEET NUMBER
C200

Sep 20, 2022 - 12:05pm
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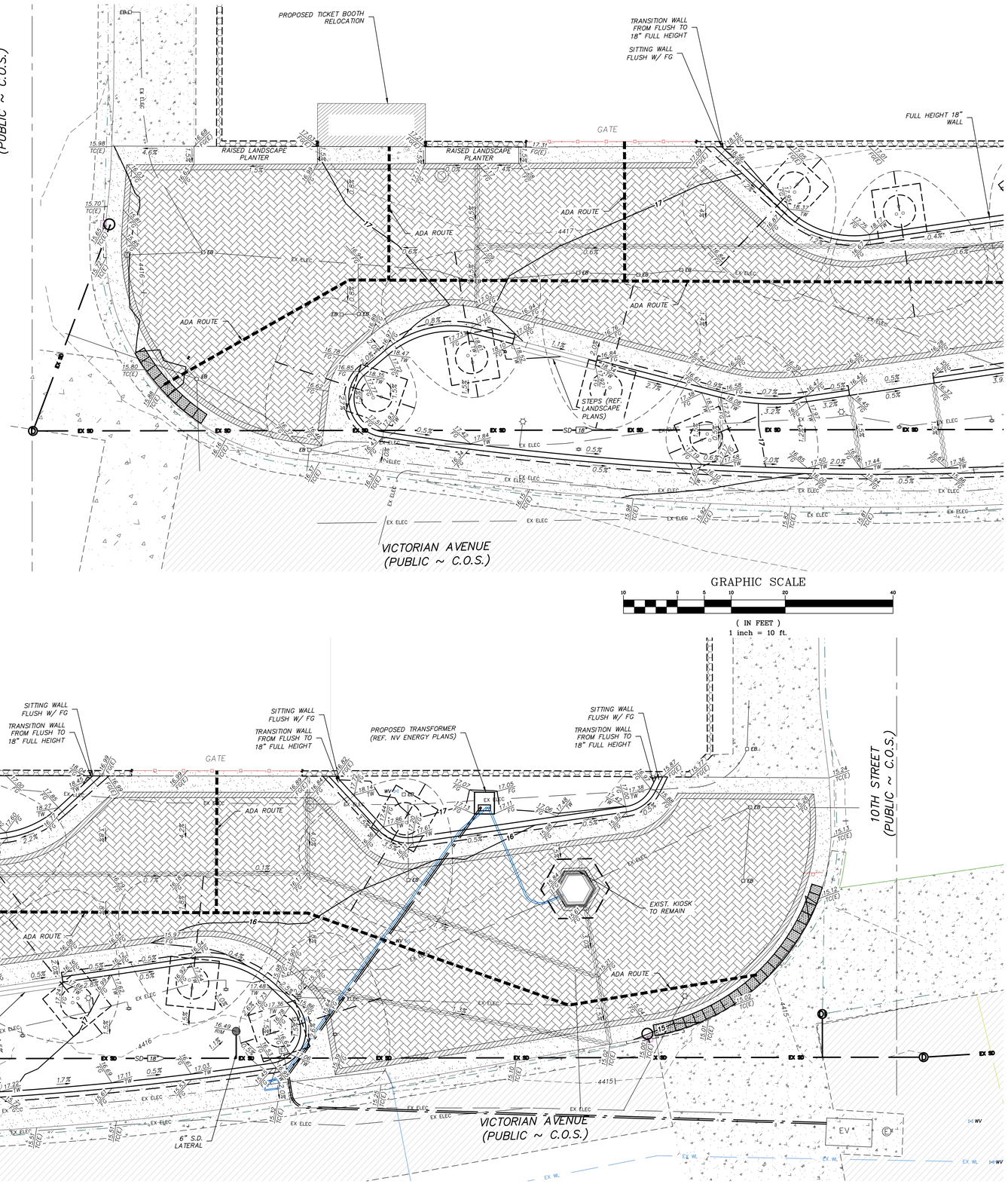

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)

1 inch = 10 ft.

N

Odyssey

1"=10'

TRUCKEE MEADOWS REGIONAL STORMWATER QUALITY NOTES:

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAYS OF THE CITY OF SPARKS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CITY OF SPARKS AND THE TRUCKEE MEADOWS CONSTRUCTION SITE BEST MANAGEMENT PRACTICES HANDBOOK.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO STORMWATER GENERAL PERMIT NVR100000, SECTION 1.B.A.b. (2).
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIST LOCATIONS AND ALL BMPs WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OR SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO STORMWATER GENERAL PERMIT NVR100000, SECTION 1.B.A.g.
5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BE REDUCED BY 50 PERCENT OR MORE.

GRADING NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS, AND THE LATEST STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION (AND ANY APPURTENANT SUPPLEMENTS) SPONSORED AN DISTRIBUTED BY RENO, SPARKS, AND WASHOE COUNTY, AND THE GEOTECHNICAL INVESTIGATION ENTITLED "SPARKS FORECOURT, SPARKS, NEVADA" BY BLACK EAGLE CONSULTING, INC., DATED APRIL 8, 2022.
2. THE CONTRACTOR SHALL MAINTAIN A DUST CONTROL PROGRAM, INCLUDING WATERING OF OPEN AREAS. THE CONTRACTOR SHALL ALSO MAINTAIN CONFORMITY WITH SECTION 040.030 OF THE WASHOE COUNTY AIR POLLUTION REGULATIONS.
3. THE CONTRACTOR SHALL VERIFY IN FIELD, ALL ELEVATIONS, DIMENSIONS, FLOW LINES, EXISTING CONDITIONS, AND POINT OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC OR PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES FOR LOCATIONS OR POT-HOLING PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION DEBRIS PER FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.
5. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE TAKEN FROM SURFACE EVIDENCE AND AVAILABLE UTILITY COMPANY RECORDS. ALL UTILITIES SHOULD BE VERIFIED IN THE FIELD. ODYSSEY ENGINEERING INC. ASSUMES NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS OF SUCH RECORDS.
6. THE CONTRACTOR SHALL MAINTAIN AN ON-GOING PROCESS OF REMOVAL OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.
7. LAND GRADING SHALL BE DONE IN A METHOD TO PREVENT DUST FROM TRAVERSING THE PROPERTY LINE.
8. ALL REQUIRED UTILITY SHUT-DOWNS SHALL BE COORDINATED WITH APPROPRIATE UTILITY COMPANY AND OWNERS PERSONNEL.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE, PERMIT AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN IN CONFORMANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN EXISTING B.M.P. IMPROVEMENTS THAT ARE IN PLACE, AND SHALL PROVIDE AND MAINTAIN ADDITIONAL B.M.P.'S AS REQUIRED TO IMPLEMENT HIS S.W.P.P.P.
10. THE CONTRACTOR SHALL OBTAIN AND THE OWNER SHALL PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOR CONSTRUCTION.
11. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE SOILS ENGINEER, NEVADA ENERGY, CITY OF SPARKS, AND THE TRUCKEE MEADOWS WATER AUTHORITY 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
12. ADD 4400 FEET TO ALL TRUNCATED ELEVATIONS.
13. THE NATURAL VEGETATION AND EXISTING LANDSCAPING SHALL BE PRESERVED AS MUCH AS PRACTICAL DURING SITE IMPROVEMENTS CONSTRUCTION..
14. SLOPES STEEPER THAN 3:1 SHALL BE MECHANICALLY STABILIZED WITH ROCK-RIP.
15. ANY EXCESS OR UNSUITABLE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF SPARKS REGULATIONS OR IN APPROVED AREAS.

LEGEND:

- EXISTING ASPHALT PAVING
- EXISTING PORTLAND CEMENT CONCRETE
- A.C. PAVING AREA
- PAVERS
- PORTLAND CEMENT CONCRETE AREA
- 4396 — EXISTING CONTOUR
- 4396 — PROPOSED CONTOUR
- (E) EXISTING
- +4395.03 EXISTING SPOT ELEVATION
- CURB AND GUTTER (DASHED IF EXISTING)
- POST CURB (DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN (DASHED IF EXISTING)
- TYPE 1 CATCH BASIN (DASHED IF EXISTING)
- TYPE 3 CATCH BASIN (DASHED IF EXISTING)
- FF=96.50 ELEVATION @ FINISH FLOOR
- FG=96.00 ELEVATION @ FINISH GRADE
- SG=94.00 ELEVATION @ SUBGRADE
- SD 12" — STORM DRAIN (DASHED IF EXISTING)
- SS 8" — SANITARY SEWER (DASHED IF EXISTING)
- 10"W/4"G — EXISTING WATER AND GAS
- 10"W — EXISTING WATER
- 4"G — EXISTING GAS
- 6"RW — EXISTING RECLAIM IRRIGATION MAIN
- ELECT/TEL — EXISTING UNDERGROUND ELECTRIC/ TELEPHONE
- ELECT — EXISTING UNDERGROUND ELECTRIC
- TEL — EXISTING UNDERGROUND TELEPHONE
- F.H. EXISTING FIRE HYDRANT
- EXISTING WATER SERVICE
- EXISTING SITE LIGHT
- GRADE BREAK
- 2.0% SLOPE IN PERCENT
- 96.43 FG ELEVATION @ FINISH GRADE
- 82.50 TC ELEVATION @ TOP OF CURB
- 96.43 GB ELEVATION @ GRADE BREAK
- 96.43 FL ELEVATION @ FLOW LINE
- SAWCUT LINE
- +4396.45 SPOT ELEVATION EXISTING

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TRAVIS C. PAGE
Exp. 12-31-23
CIVIL
No. 28825
9/21/22

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

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PROJECT NUMBER: 6834

CIVIL GRADING PLAN

SHEET NUMBER

C300

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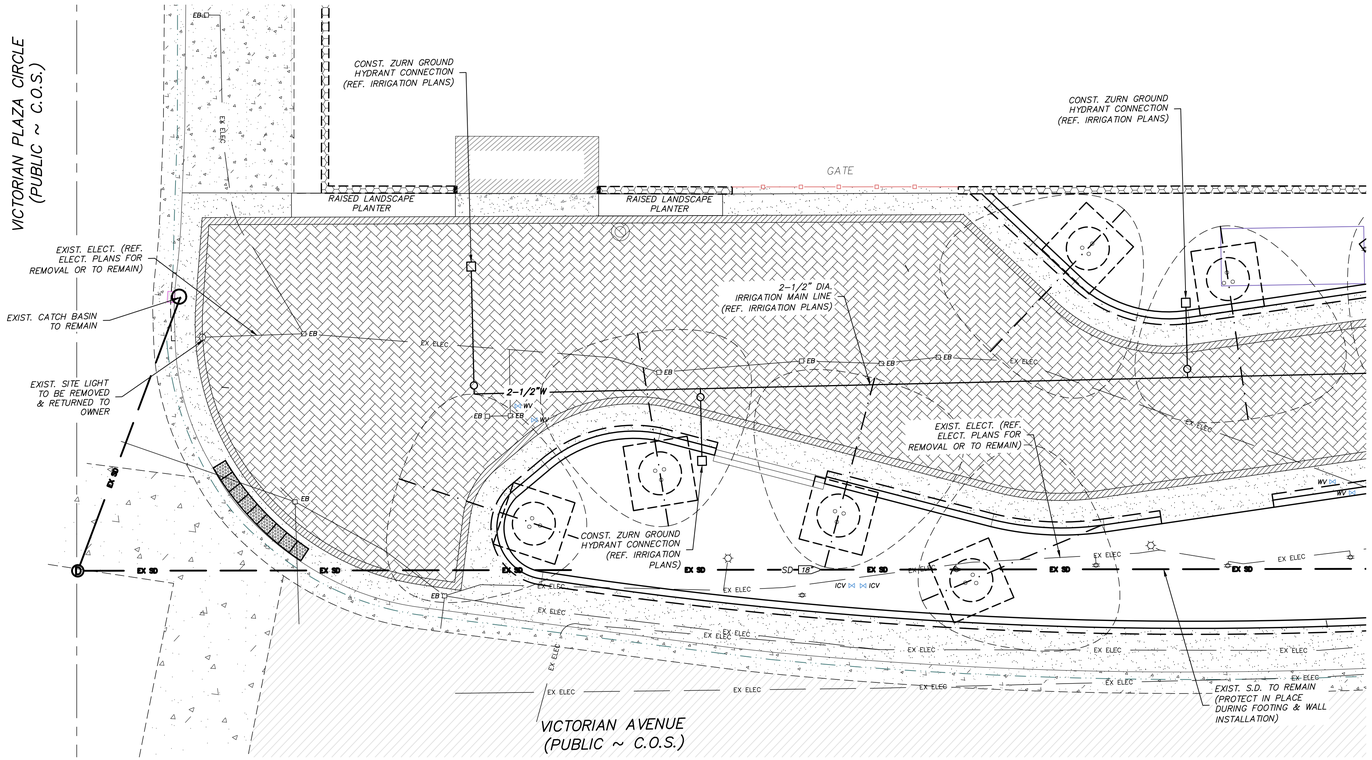
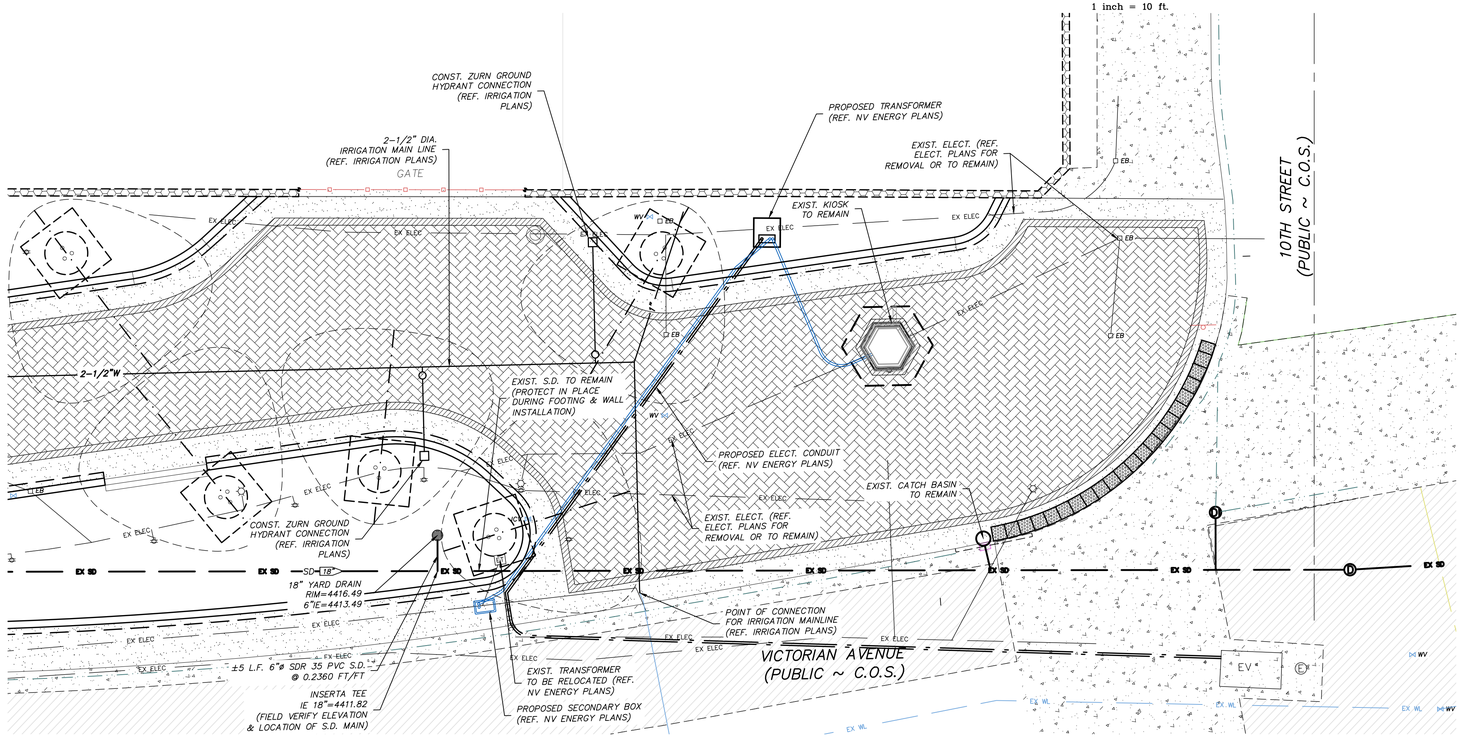
N:\City of Sparks\Sparks Forecourt\Engineering\Source Drawings\Surface\Grading Base ADA Included.dwg



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.



UTILITY NOTES:

1. THE CONTRACTOR SHALL MAINTAIN A DUST CONTROL PROGRAM, INCLUDING WATERING OF OPEN AREAS. THE CONTRACTOR SHALL ALSO MAINTAIN CONFORMITY WITH SECTION 040.030 OF THE WASHOE COUNTY AIR POLLUTION REGULATIONS.
2. THE CONTRACTOR SHALL VERIFY IN FIELD, ALL ELEVATIONS, DIMENSIONS, FLOW LINES, EXISTING CONDITIONS, AND POINT OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC OR PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES FOR LOCATIONS OR POT-HOLING PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION DEBRIS PER FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.
4. NO MATERIAL OF ANY KIND SHALL BE STOCKPILED, OR CONSTRUCTION EQUIPMENT PARKED ON CONCRETE OR ASPHALT SURFACES MAINTAINED BY THE CITY OF SPARKS.
5. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE TAKEN FROM SURFACE EVIDENCE AND AVAILABLE UTILITY COMPANY RECORDS. ALL UTILITIES SHOULD BE VERIFIED IN THE FIELD. ODYSSEY ENGINEERING INC. ASSUMES NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS OF SUCH RECORDS.
6. THE CONTRACTOR SHALL MAINTAIN AN ON-GOING PROCESS OF REMOVAL OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.
7. ALL REQUIRED UTILITY SHUT-DOWNS SHALL BE COORDINATED WITH APPROPRIATE UTILITY COMPANY AND OWNER'S PROJECT REPRESENTATIVE.
8. THE CONTRACTOR SHALL OBTAIN AND THE OWNER SHALL PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOR CONSTRUCTION.
9. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE SOILS ENGINEER, NEVADA ENERGY, CITY OF SPARKS, AND THE TRUCKEE MEADOWS WATER AUTHORITY 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
10. ADD 4400 FEET TO ALL TRUNCATED ELEVATIONS.
11. ALL SEWER MAINS AND LATERALS SHALL BE SDR 35 PVC.
12. A HORIZONTAL SEPARATION OF 10 FEET SHALL BE MAINTAINED BETWEEN WATER AND SANITARY SEWER MAINS. WHERE CROSSINGS ARE NECESSARY, THE WATER LINE SHALL BE ON TOP AND 18" OF CLEARANCE SHALL BE MAINTAINED WHEN POSSIBLE.
13. ANY CONFLICT WITH EXISTING UTILITIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
14. THE CONTRACTOR SHALL COORDINATE WITH NV ENERGY AND TRUCKEE MEADOWS WATER AUTHORITY PRIOR TO INSTALLATION OF ALL POWER, GAS AND WATER.
15. THE WATER SYSTEM INSTALLATION SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO COMPLETE THE SYSTEM IN CONFORMANCE WITH ALL PERTINENT WATER SUPPLY REGULATIONS, AND THE WATER BACKFLOW PREVENTION INSTALLATION REQUIREMENTS AND STANDARDS PROVIDED BY TRUCKEE MEADOWS WATER AUTHORITY. REFERENCE APPROVED TMWA PLANS FOR ACTUAL WATER DESIGN.
16. REFERENCE PLUMBING PLANS FOR COORDINATION OF SEWER, DOMESTIC, AND FIRE CONNECTIONS.
17. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, AND FIRE HYDRANTS AS PER TMWA CONSTRUCTION STANDARDS.
21. THE FIRE LINE SIZE SHOWN ON THE PLANS IS A ESTIMATION OF THE FIRE LINE SIZE FOR THE BUILDING SPRINKLER SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH THE FIE PROTECTION CONTRACTOR PRIOR TO BID TO DETERMINE THE REQUIRED SIZING AND PRICING FOR THE BID. THE FIRE SERVICE SHALL BE STUBBED 1' ABOVE THE FINISH FLOOR ELEVATION BY THE SITE UTILITY CONTRACTOR A WITH TEMPORARY CAP IN FIRE RISER ROOM.
20. THE CONTRACTOR SHALL PROVIDE AN ELECTRIC SERVICE TO THE DOMESTIC WATER SERVICE REDUCED PRESSURE BACKFLOW PREVENTION HOT BOX.
21. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA SAFETY REQUIREMENTS.
22. ALL STORM DRAIN MANHOLE LIDS SHALL BE 24"ø RIMS WITHIN THE CITY OF SPARKS.

N

Odyssey 1"=10'

LEGEND:

- CURB AND GUTTER (DASHED IF EXISTING)
- POST CURB (DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN (DASHED IF EXISTING)
- TYPE 1 CATCH BASIN (DASHED IF EXISTING)
- TYPE 3 CATCH BASIN (DASHED IF EXISTING)
- SD-12" STORM DRAIN (DASHED IF EXISTING)
- SS-8" SANITARY SEWER (DASHED IF EXISTING)
- SS-8" SANITARY SEWER LATERAL (DASHED IF EXISTING)
- 10"W/4"G WATER AND GAS (DASHED IF EXISTING)
- 10"W WATER (DASHED IF EXISTING)
- 4"G GAS (DASHED IF EXISTING)
- 6"RW RECLAIM IRRIGATION MAIN (DASHED IF EXISTING)
- ELECT/TEL UNDERGROUND ELECTRIC/ TELEPHONE (DASHED IF EXISTING)
- ELECT UNDERGROUND ELECTRIC (DASHED IF EXISTING)
- TEL UNDERGROUND TELEPHONE (DASHED IF EXISTING)
- F.H. FIRE HYDRANT
- WATER SERVICE (DASHED IF EXISTING)
- SITE LIGHT
- SAWCUT LINE

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9/21/22

ISSUE DATE: 09/21/2022

REVISIONS

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PROJECT NUMBER: 6834

CIVIL UTILITY PLAN

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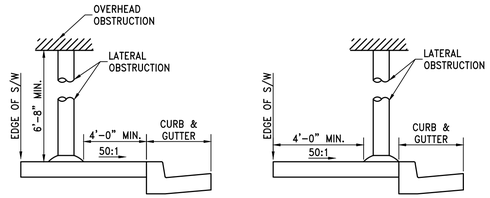
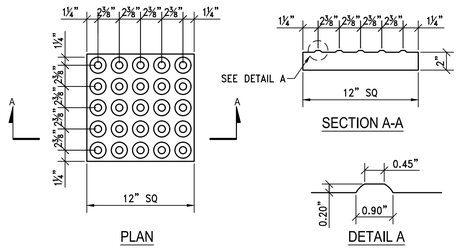


TYPICAL SIDEWALK vs OBSTRUCTION CLEARANCE DETAIL



PLAN

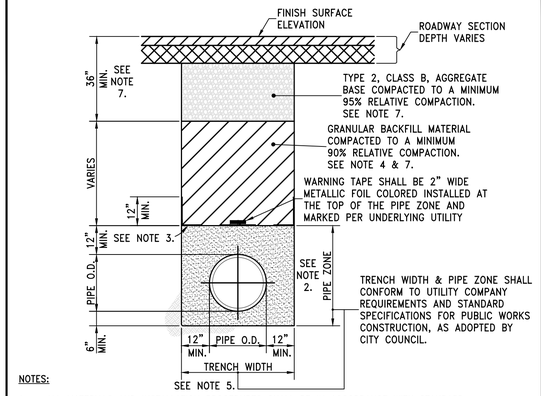
SECTION A-A

DETAIL A

NOTE: FOR DETECTABLE TRUNCATED DOMES APPROVED MATERIALS SEE NOTE 8.

TRUNCATED DOMES DETAIL

1. STORM DRAIN INLETS OR SIMILAR ACCESSES SHALL NOT BE LOCATED IN THE AREA AT THE BASE OF THE CURB RAMP OR LANDING AREA. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, PULL BOXES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL OF THE CITY ENGINEER.
2. NO LIP SHALL BE PERMITTED AT THE CURB RAMP SLOPE TO GUTTER PAN.
3. PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP.
4. ROUGH BROOM TEXTURE ON CURB RAMPS AND WINGS.
5. DETECTABLE WARNING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SHALL BE PLACED ON MIN. SIX (6") INCHES OF P.C.C.
6. ALL SLOPE RATES ARE RELATIVE TO LEVEL AND SHALL COMPLY WITH THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) STANDARDS.
7. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.
8. DETECTABLE WARNING SHALL CONSIST OF PRECAST WETSET TILES WITH MIN. SIZE OF 2' X 2', COLOR YELLOW. APPROVED PRODUCTS INCLUDE: "CASTinTACT 3", "TEKWAY DOME-TILES", "ADA SOLUTIONS", AND "ACCESS TILE". DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITION, OR TURNING SPACE. DETECTABLE WARNING SHALL BE CONSTRUCTED PER MANUFACTURER'S INSTALLATION GUIDELINES AND CONFORM TO ADAAG.
9. CONCRETE REMOVAL SHALL BE TO NEAT SAW CUT LINES
10. AGGREGATE BASE MATERIAL UNDER PEDESTRIAN RAMPS SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.
11. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
12. CONTRACTORS SHALL CORRECT ANY GRADE CONFLICT WITH EXISTING BOXES. THE CITY ENGINEER SHALL MAKE THE FINAL DETERMINATION REGARDING THE DEGREE OF MODIFICATIONS REQUIRED BY THE CONTRACTOR FOR GRADE CONFLICTS BETWEEN EXISTING BOXES AND NEW PEDESTRIAN RAMPS.
13. SIDEWALK AT BOTH SIDES OF RAMP MAY BE RECONSTRUCTED TO MINIMIZE THE GRADE AT A HORIZONTAL DISTANCE TO BE DETERMINED IN THE FIELD, UPON APPROVAL OF THE CITY ENGINEER, SUBJECT TO PROWAG REQUIREMENTS. CURB AT THE BACK OF WALK MAY BE NEEDED. A TRANSITION SECTION OF SIDEWALK MAY BE NECESSARY TO MATCH CROSS SLOPE OF EXISTING SIDEWALK TO PEDESTRIAN RAMP IMPROVEMENTS. TRANSITION SECTIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.



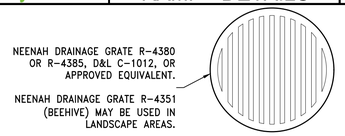
NOTES:

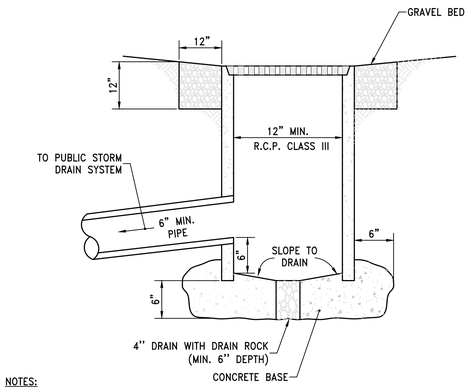
1. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL.
2. BEDDING MATERIAL SHALL CONFORM TO OWNING-UTILITY COMPANY REQUIREMENTS AS APPROVED BY THE CITY OF SPARKS. FOR CITY-OWNED UTILITIES, BEDDING MATERIAL SHALL BE CLASS A OR C, COMPACTED TO MINIMUM 90% RELATIVE COMPACTION. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.
3. CLASS C BEDDING REQUIRES INSTALLATION OF GEOTEXTILE FABRIC BETWEEN PIPE ZONE AND BACKFILL MATERIAL. GEOTEXTILE FABRIC SHALL BE MIRAFI 180N OR APPROVED EQUAL.
4. BACKFILL MATERIAL SHALL BE TYPE 2, CLASS B OR CLASS E AND COMPACTED TO MINIMUM 90% RELATIVE COMPACTION. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.
5. ALL EXCAVATIONS SHALL CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.
6. EXISTING PIPE TO BE ABANDONED SHALL BE GROUT FILLED OR COMPLETELY REMOVED.
7. MINIMUM BACKFILL DEPTH REQUIREMENT IS FOR TRENCHING IN EXISTING PAVED STREETS. TRENCHING FOR NEW DEVELOPMENT WHERE STREETS HAVE NOT YET BEEN CONSTRUCTED, BACKFILL MATERIAL SHALL BE TYPE 2, CLASS B OR CLASS E AND COMPACTED TO MINIMUM 90% RELATIVE COMPACTION. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks PEDESTRIAN RAMP - DETAILS	S-106F
	APPROVED BY: JE | DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks NOTES - PEDESTRIAN RAMP	S-106G
	APPROVED BY: JE | DATE: 3/2021

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks TRENCH EXCAVATION/BACKFILL	S-117
	APPROVED BY: JE | DATE: 1/2020

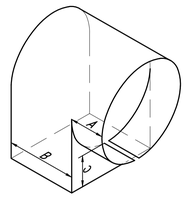




NOTES:

1. YARD DRAIN BASE SHALL BE PORTLAND CEMENT CONCRETE (P.C.C.) AND SHALL HAVE THE FOLLOWING CHARACTERISTICS: 3000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202, AS ADOPTED BY CITY COUNCIL.
2. TO BE OWNED AND MAINTAINED BY PRIVATE DEVELOPMENTS ONLY. NOT TO BE USED IN DRIVEWAYS OR WHERE DRAINAGE ORIGINATES FROM AREAS USED FOR VEHICULAR TRAFFIC.
3. ALL CATCH BASINS, PUBLIC OR PRIVATE, SHALL BE PROVIDED WITH A "SUR-TRAP" OIL/WATER SEPARATOR OR APPROVED EQUAL.
4. 12 INCH WIDE GRAVEL BED AROUND GRATE. NOMINAL AGGREGATE SIZE SHALL BE GREATER THAN GRATE OPENING.
5. SHALL NOT BE USED IN PUBLIC RIGHT-OF-WAY UNLESS OTHERWISE APPROVED BY CITY ENGINEER.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks PRIVATE YARD DRAIN	S-202
	APPROVED BY: JE | DATE: 1/2020



DIMENSIONS			
SIZE	A	B	C
4"	3"	3"	3"
6"	4"	5"	4"
8"	4"	6.5"	4"
10"	4"	8"	4"
12"	5"	10"	4"
15"	6"	10.5"	6.5"

NOTES:

1. ALL CATCH BASINS, PUBLIC OR PRIVATE, SHALL BE PROVIDED WITH A "SUR-TRAP" OIL/WATER SEPARATOR OR APPROVED EQUAL.
2. INSTALL OIL/WATER SEPARATOR WITH THE BOTTOM EDGE PARALLEL TO THE WATER SURFACE AND THE RECTANGULAR OPENING FACING DOWNWARD AND THE CIRCULAR END PLACED INSIDE THE OUTLET PIPE.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks CATCH BASIN OIL/ WATER SEPARATOR	S-208
	APPROVED BY: JE | DATE: 1/2020

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No. 28825
9/21/22

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CIVIL DETAILS

SHEET NUMBER
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APPROXIMATE AREA TO REMOVE CMU.
ESTIMATED LENGTH OF DEMOLITION IS 20 LINEAR FEET, TO BE VERIFIED.
AREA TO BE USED FOR INSTALLATION OF TICKET BOOTH. TICKET BOOTH AND INSTALLATION BY OTHERS.
GRADE BEAM AND FOUNDATION TO REMAIN UNDISTURBED. CITY OF SPARKS TO COORDINATE FINAL SIZE AND LOCATION OF REQUIRED DEMOLITION IN THIS AREA.

EXISTING CMU WALL - DEMOLITION
N.T.S.

EXISTING ROOF DECORATIVE ELEMENTS TO BE REMOVED

EXISTING ROOF STRUCTURE AND ROOFING TO BE REMOVED

EXISTING DECORATIVE TRIM TO BE REMOVED (TYP.)

EXISTING METAL TRIM TO BE REMOVED (TYP.)

EXISTING METAL SIGNAGE PANELS AND ACCESS DOOR TO REMOVED (TYP.)

EXISTING DECORATIVE TRIM TO BE REMOVED

EXISTING PYLON CONCRETE FOUNDATION WALL TO REMAIN

EXISTING VENT TO BE RELOCATED TO EXTERIOR FACE OF NEW GFRC CLADDING

EXISTING DECORATIVE BASE TO BE REMOVED

EXISTING EXTERIOR ELECTRICAL OUTLET TO REMAIN, TO BE RELOCATED FLUSH MOUNTED TO EXTERIOR FACE OF NEW GFRC CLADDING. COORDINATE WITH ELECTRICAL PLANS.

EXISTING PYLON - DEMOLITION
N.T.S.

NOTES:
REMOVE ALL EXTERIOR ELEMENTS.
INTERIOR STUD WALLS AND INTERIOR SHEATHING TO REMAIN.
ALL INTERIOR ELECTRICAL EQUIPMENT TO REMAIN UNDISTURBED

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SPARKS, NV

GERALD L. COOK
No. 5206
9/14/2022
STATE OF NEVADA

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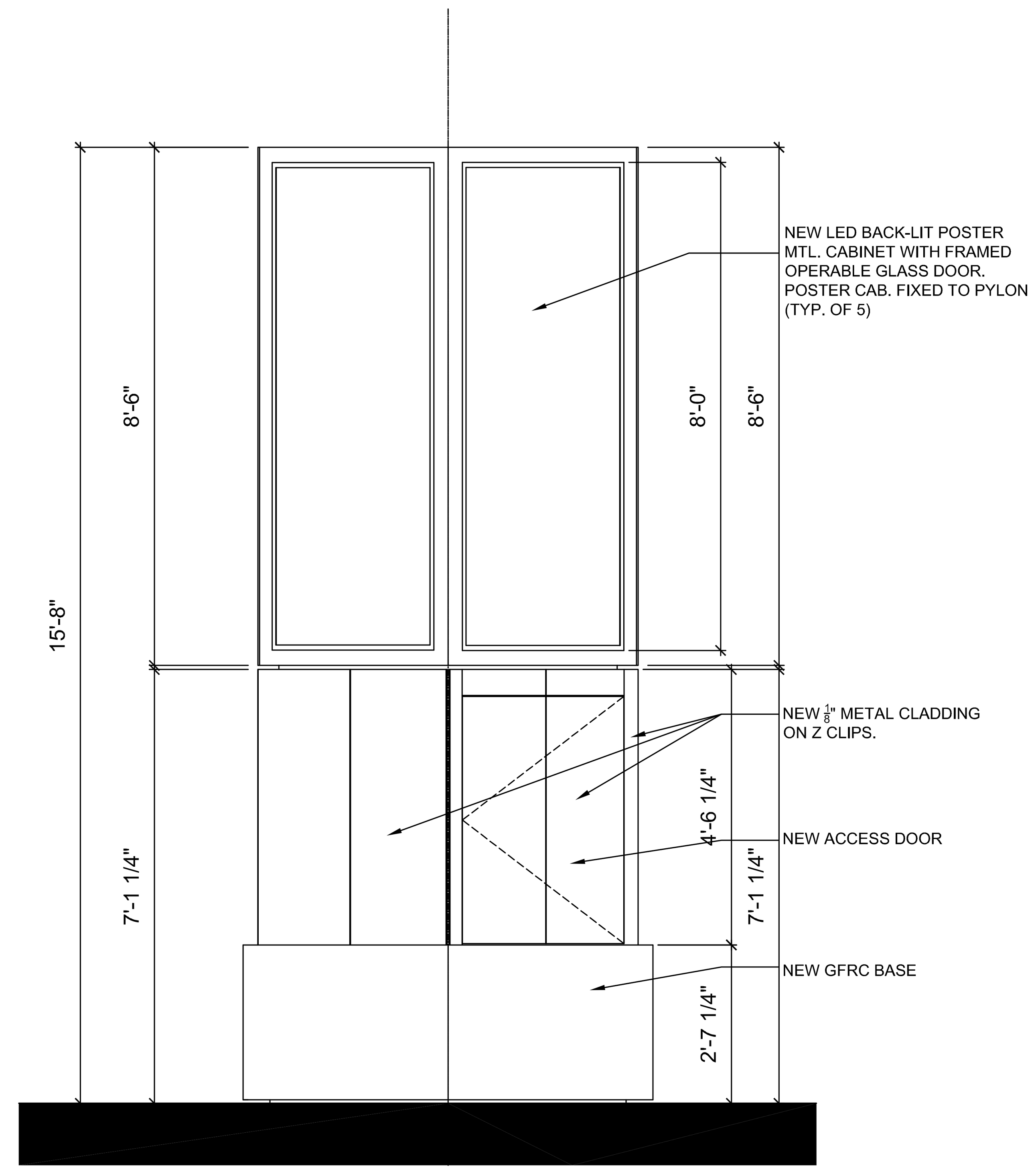
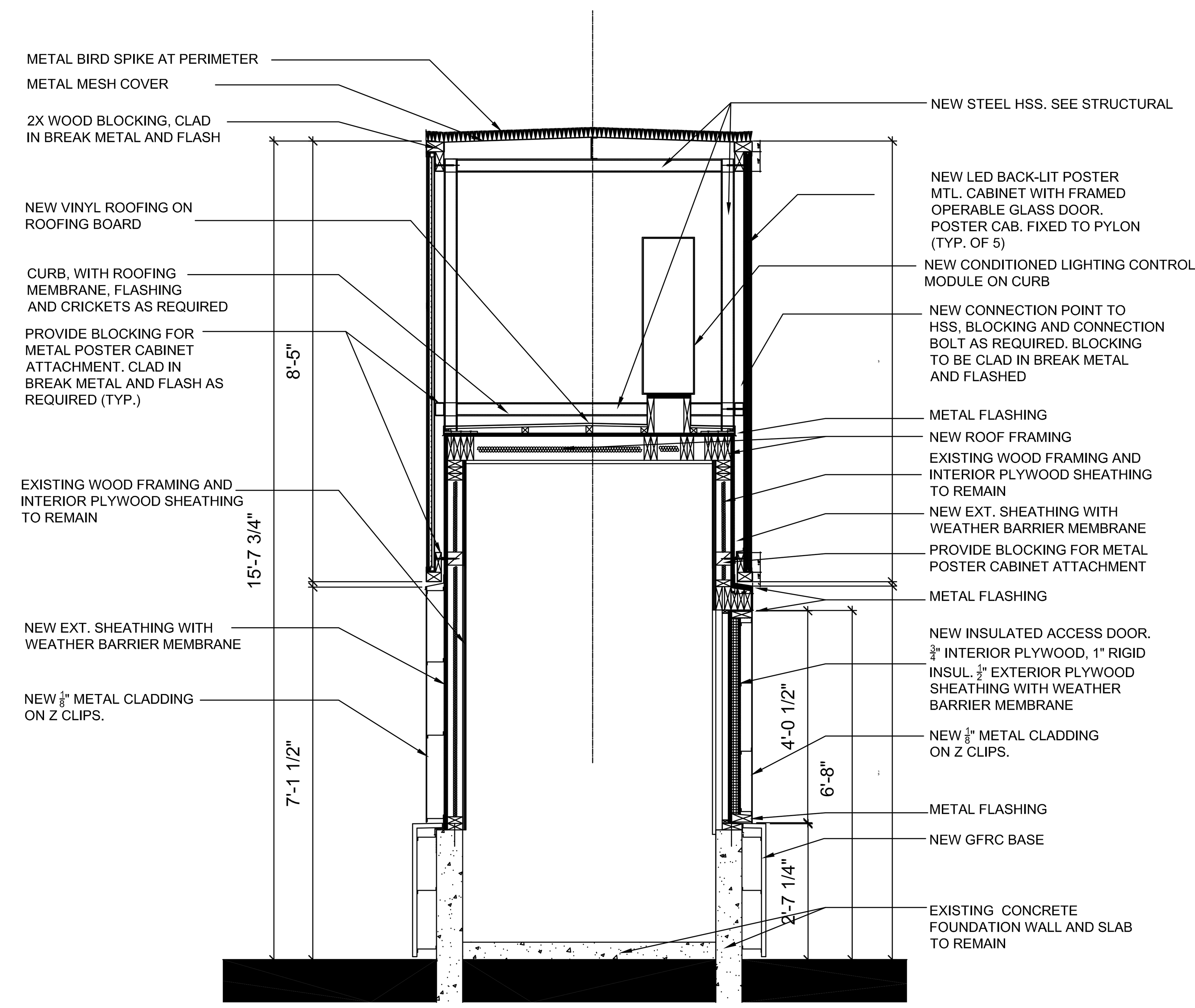


PYLON - ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"



PYLON - SECTION

SCALE: $\frac{1}{2}$" = 1'-0"

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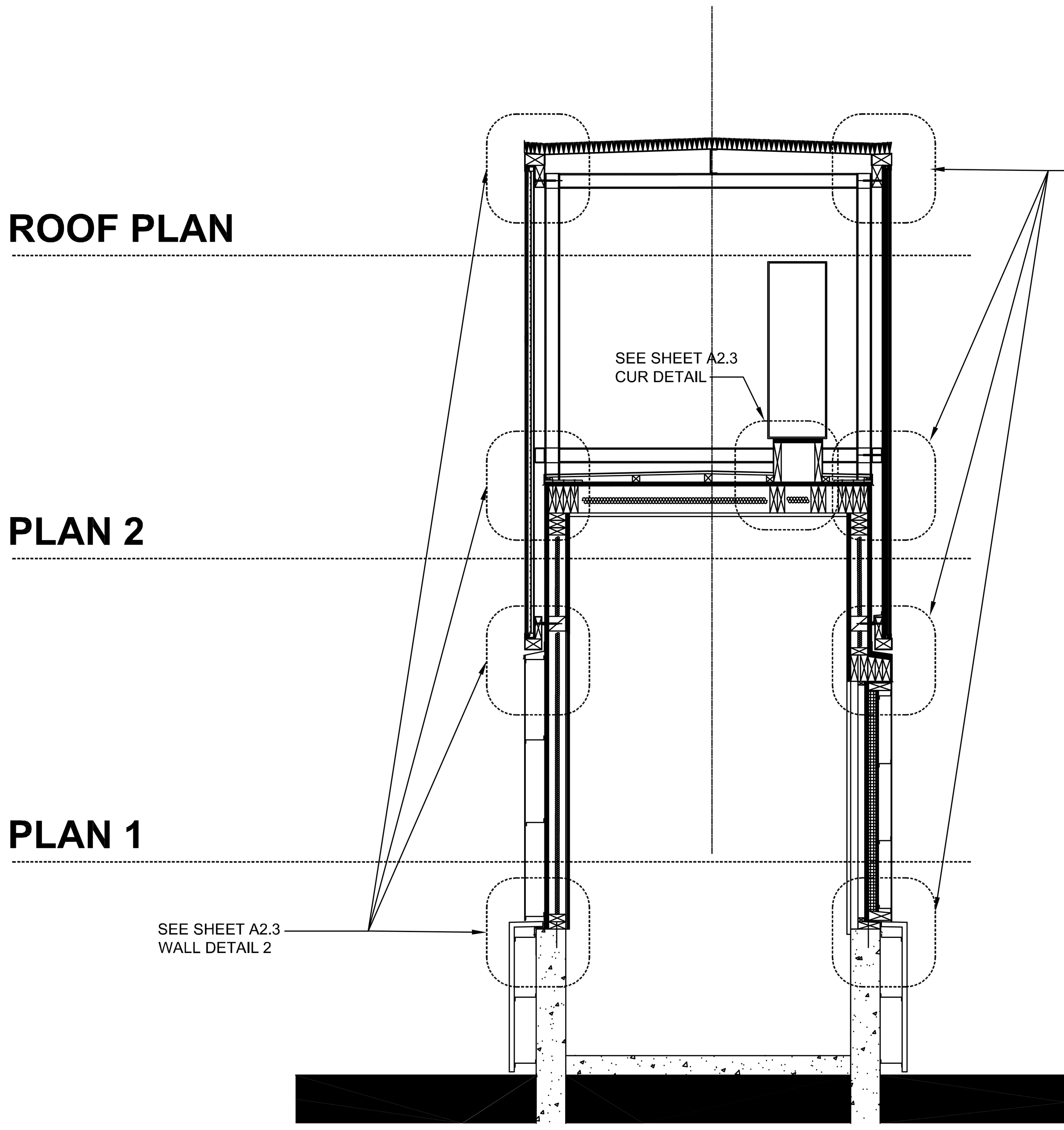
PYLON ELEVATIONS AND SECTION

SHEET NUMBER

A2.1



REFERENCE SECTION
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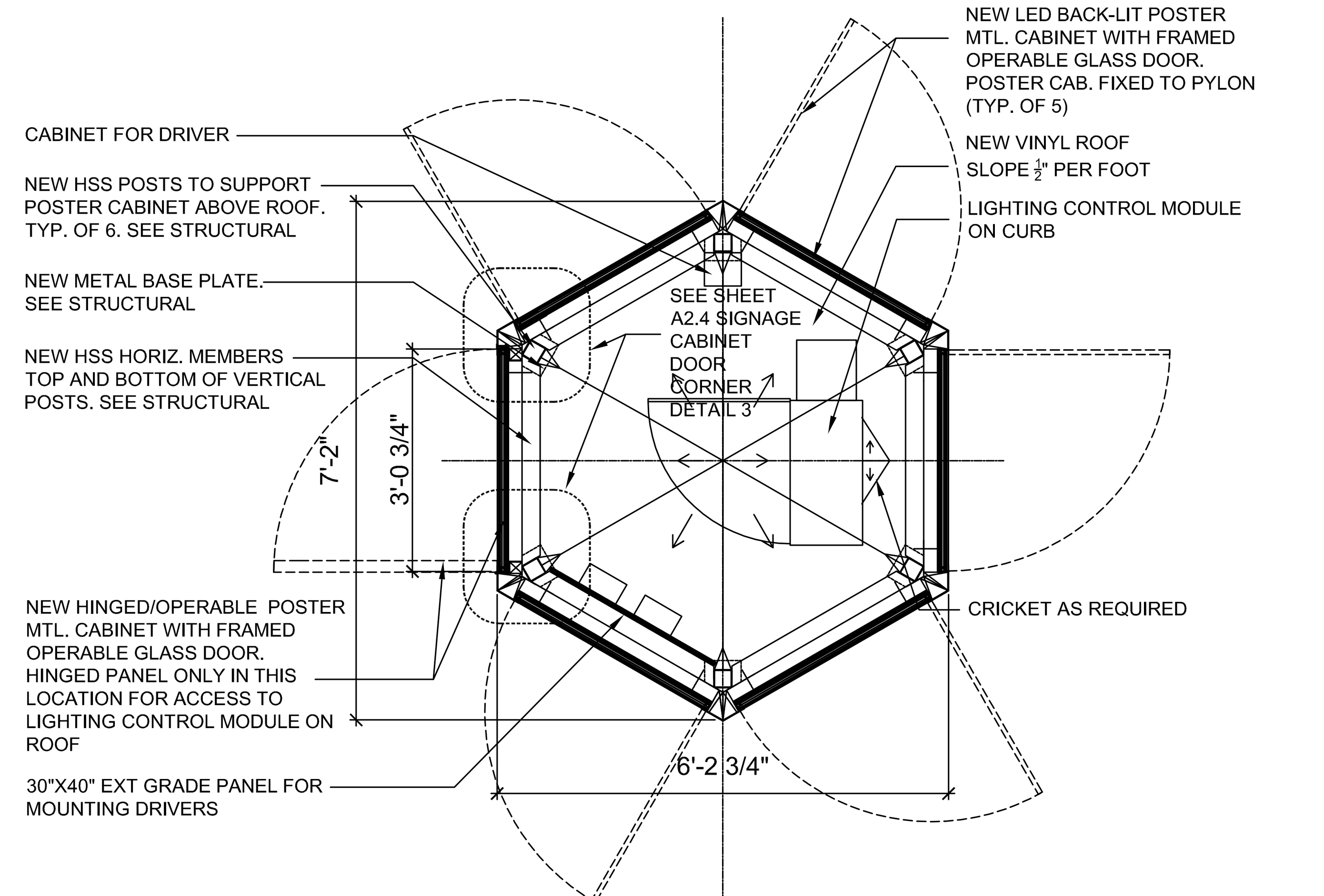

PYLON - ROOF PLAN
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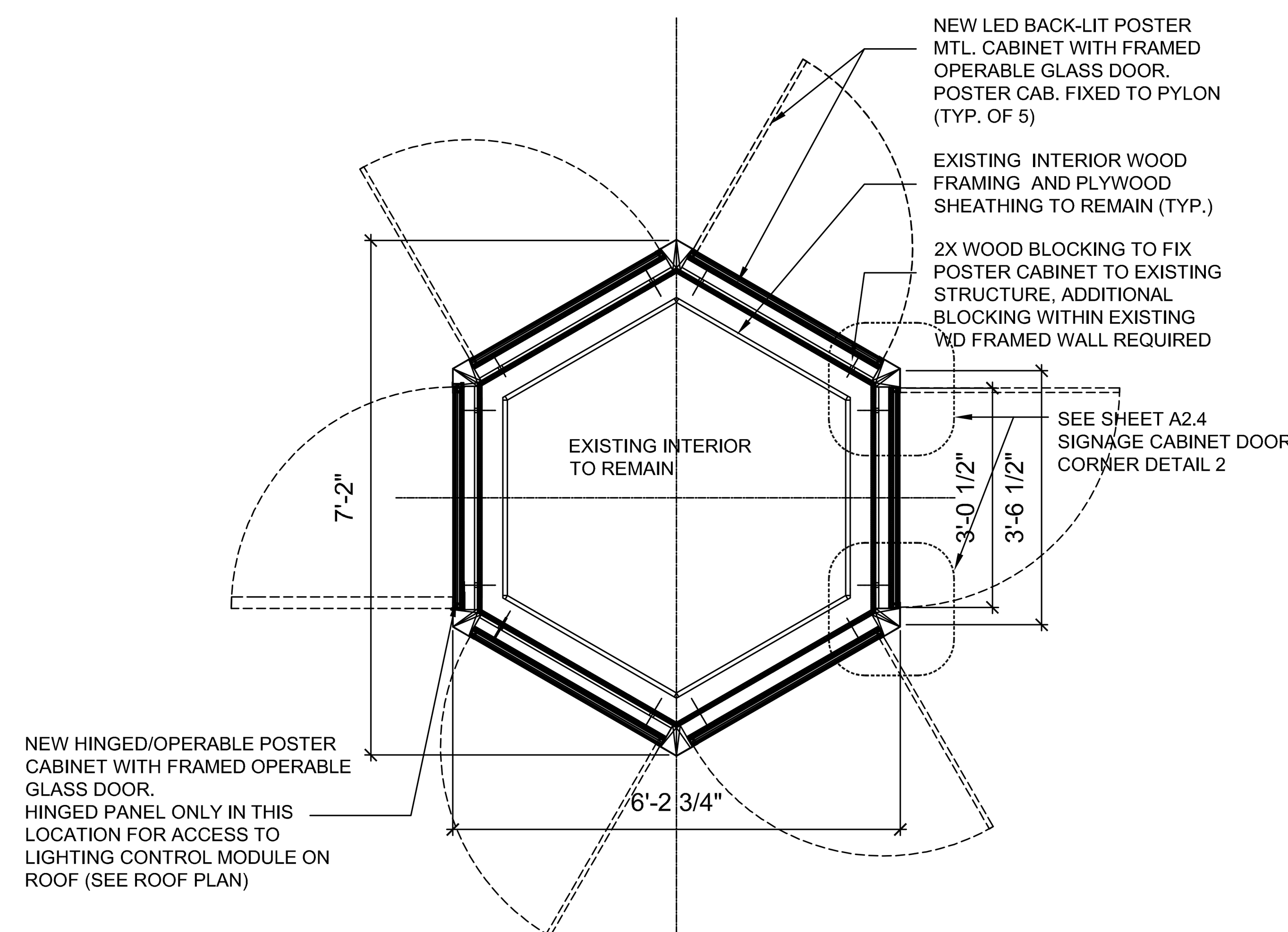

PYLON - PLAN 2
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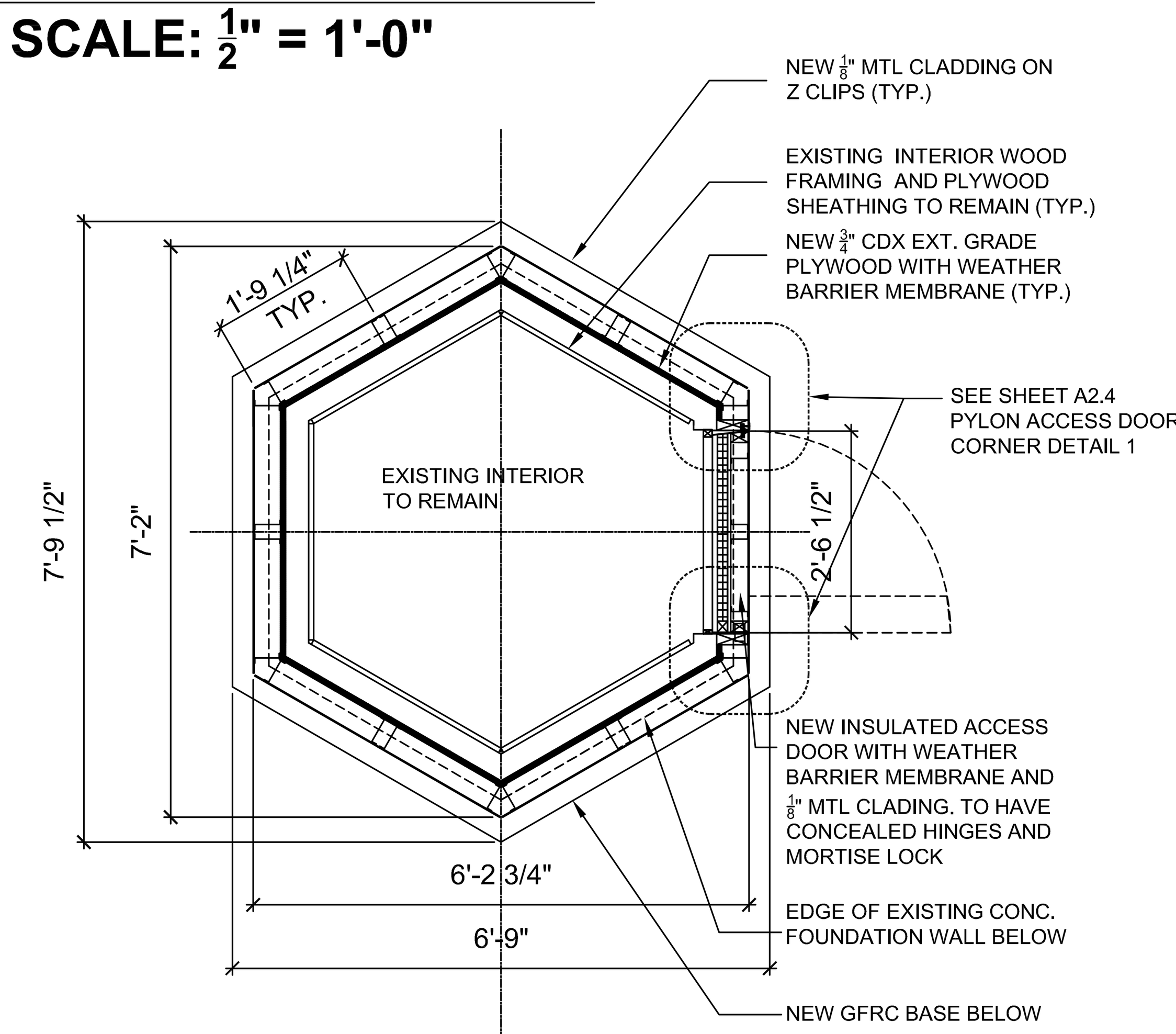

PYLON - PLAN 1
SCALE: ½" = 1'-0"

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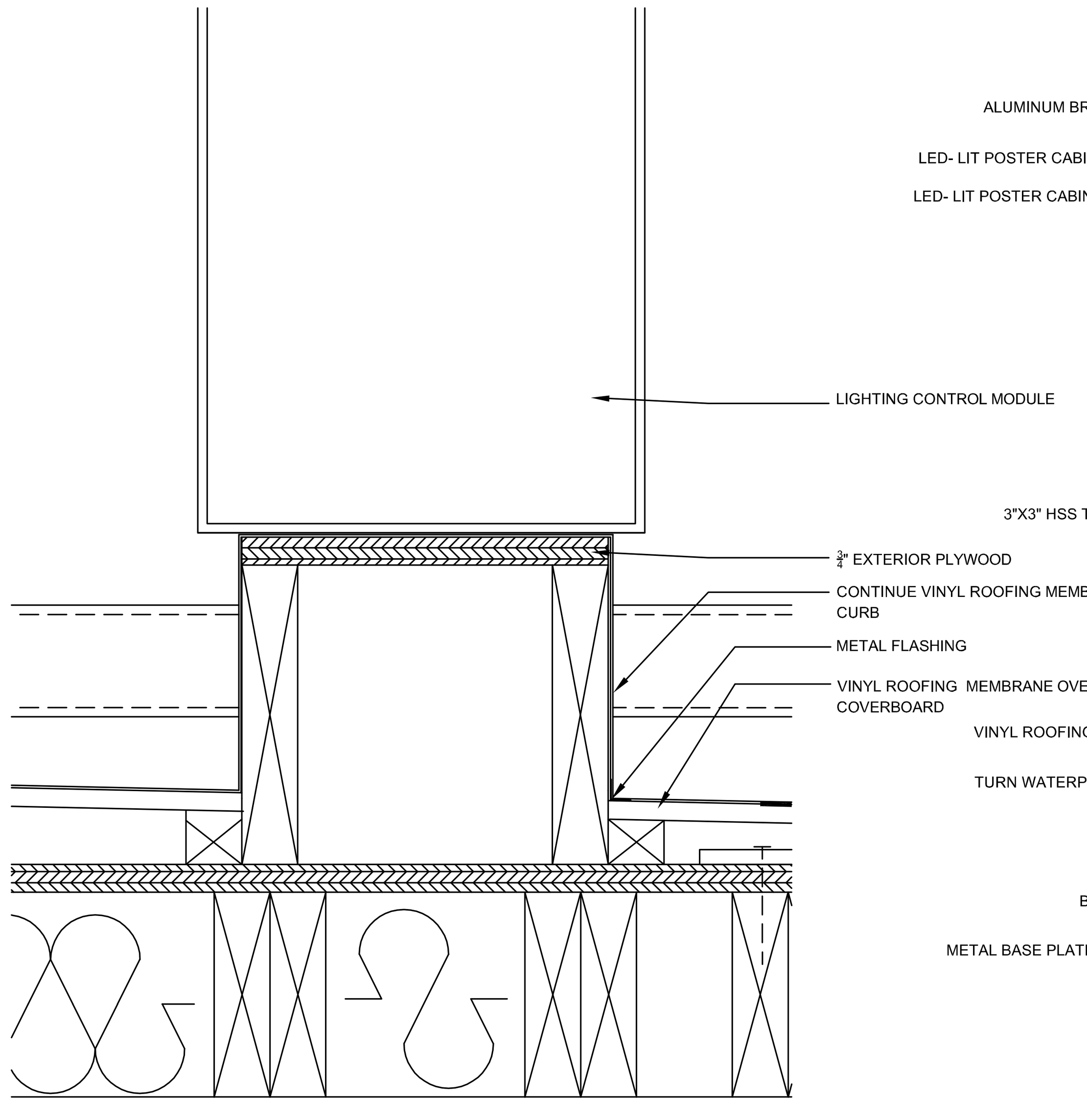
PYLON PLANS

SHEET NUMBER
A2.2



CURB DETAIL - SECTION
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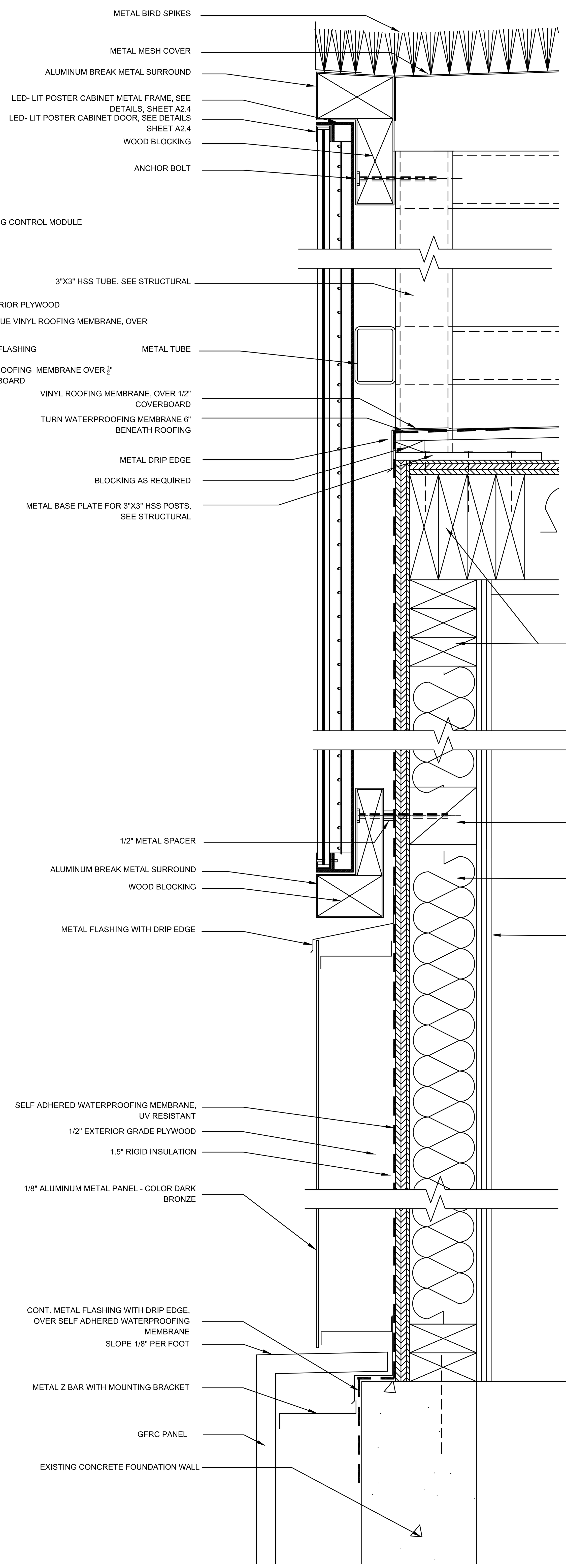

WALL DETAIL 02 - SECTION
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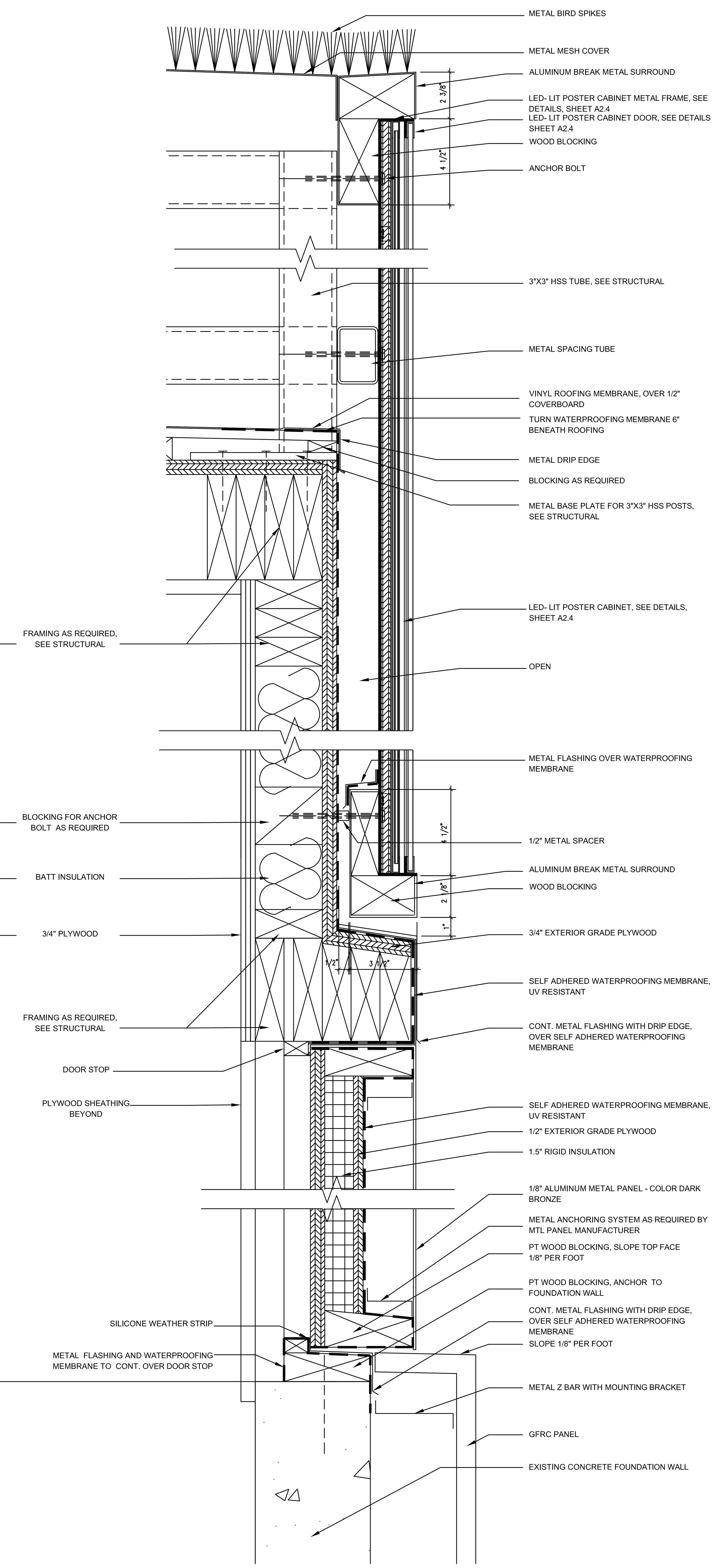

WALL DETAIL 01 - SECTION
SCALE: 3" = 1'-0"

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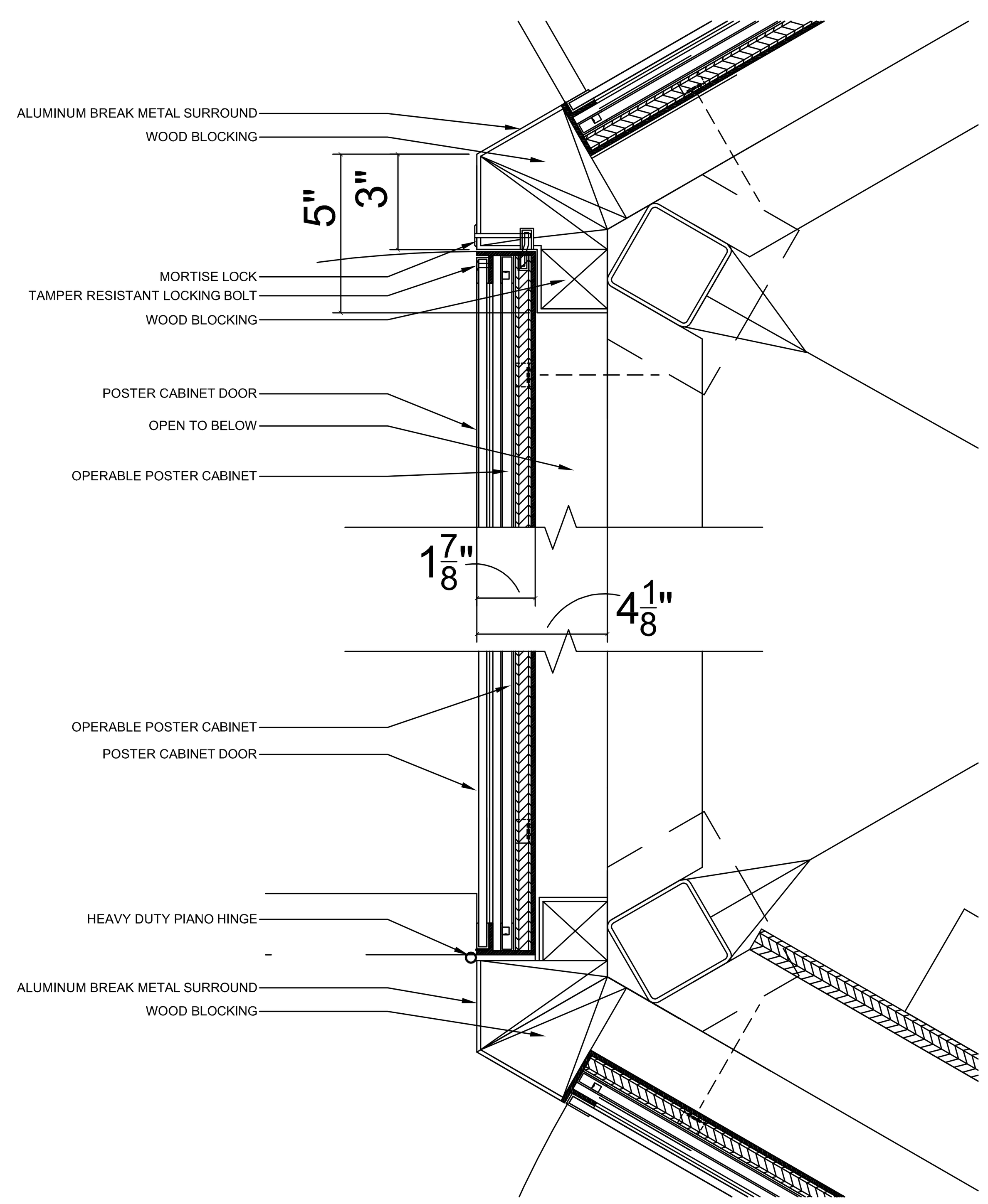
PYLON DETAILS

SHEET NUMBER
A2.3



HINGED/OPERABLE SIGNAGE CABINET DETAIL 3 - PLAN
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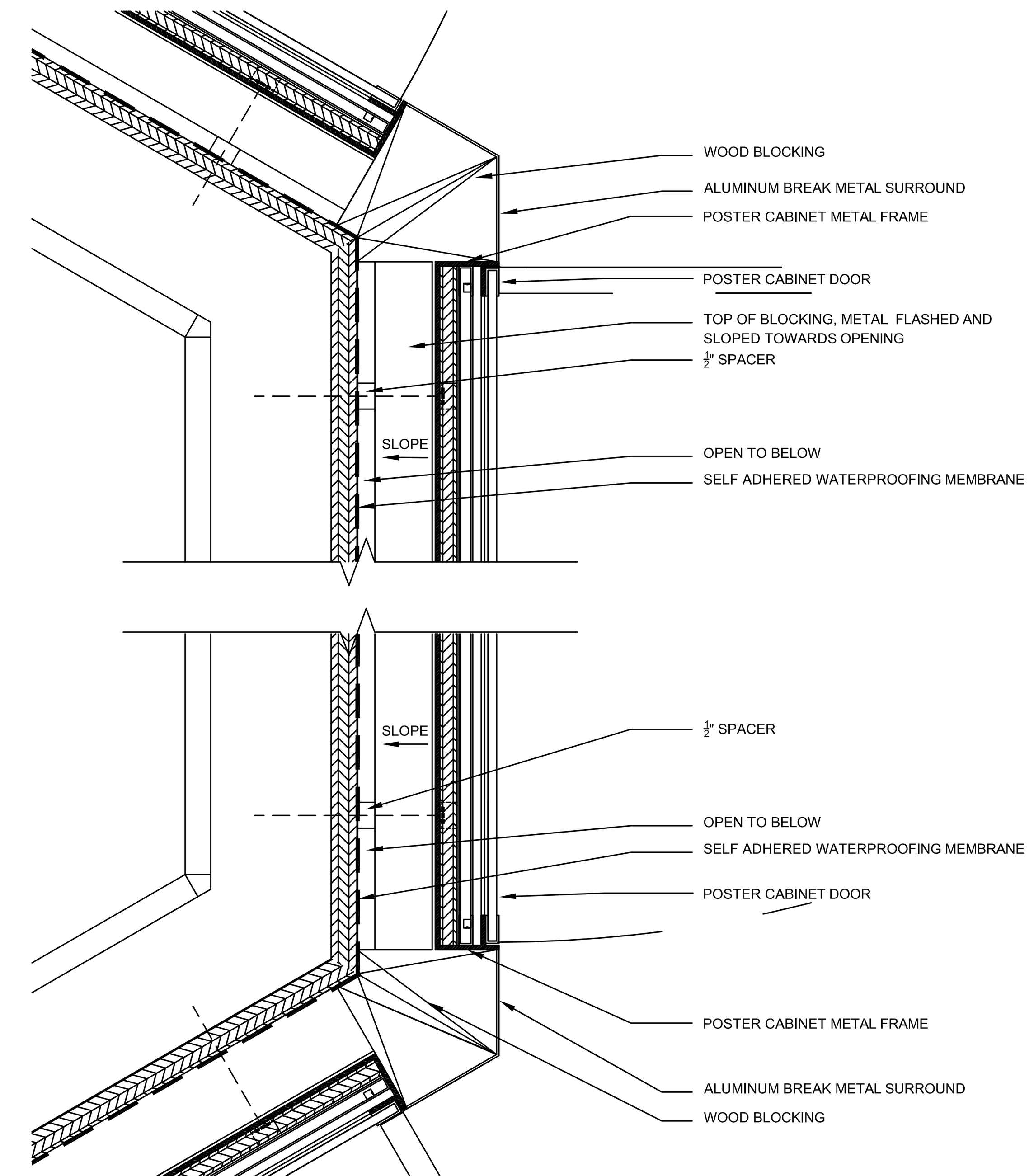

SIGNAGE CABINET CORNER DETAIL 2 - PLAN
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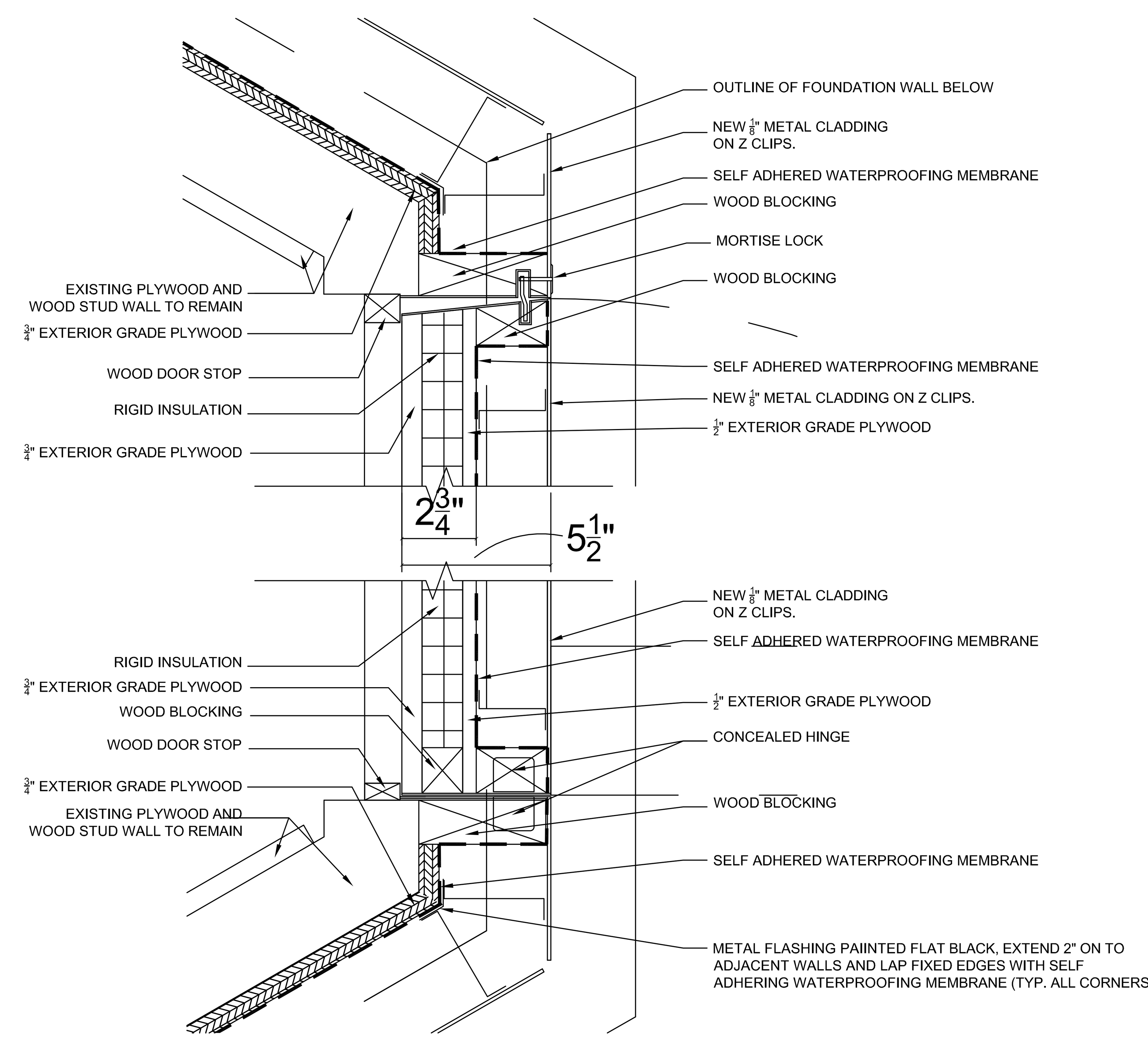

PYLON ACCESS DOOR CORNER DETAIL 1 - PLAN
SCALE: 3" = 1'-0"

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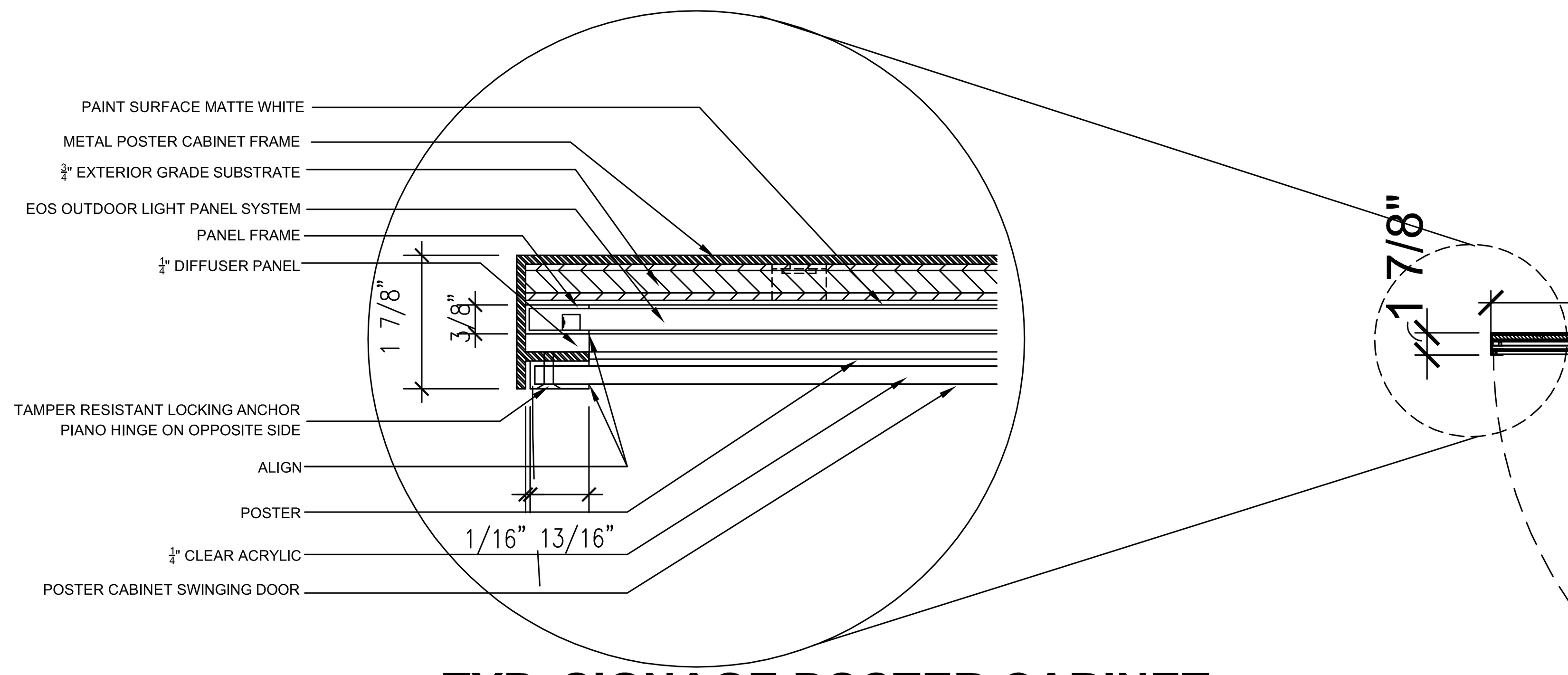
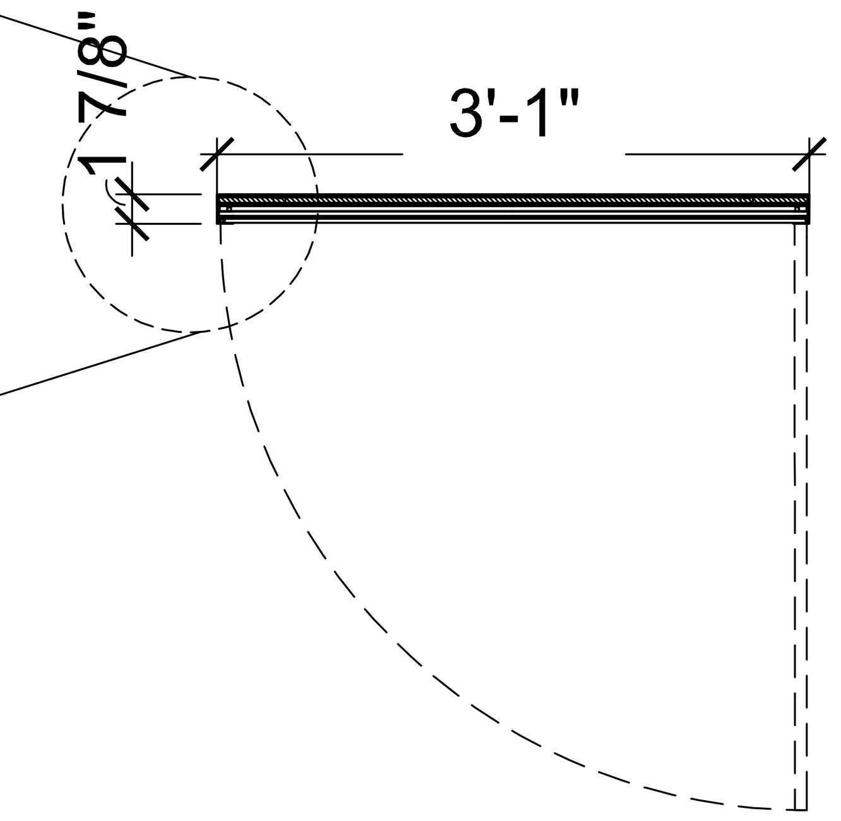
PYLON DETAILS

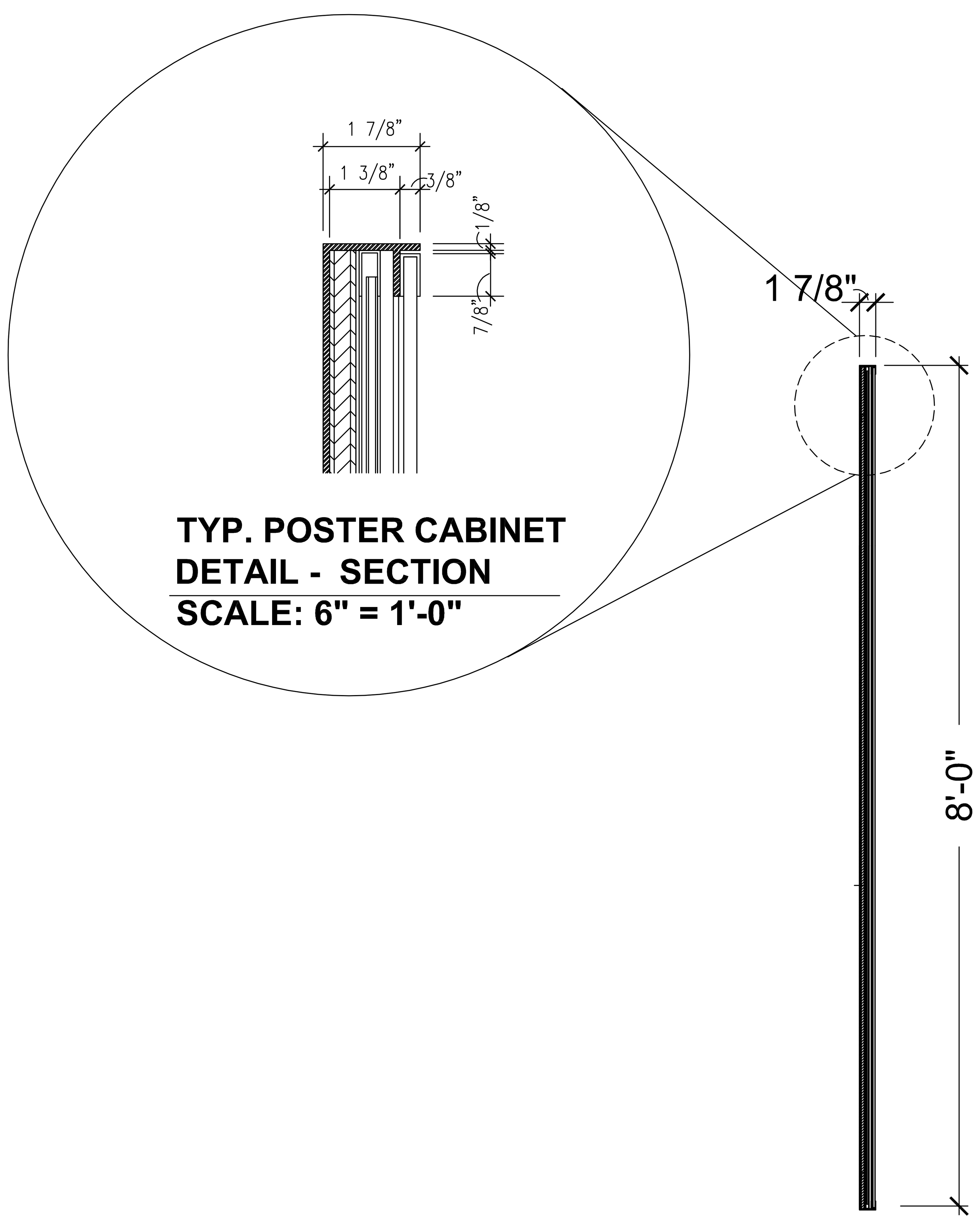
SHEET NUMBER
A2.4



TYP. SIGNAGE POSTER CABINET DETAIL - PLAN
SCALE: 6" = 1'-0"

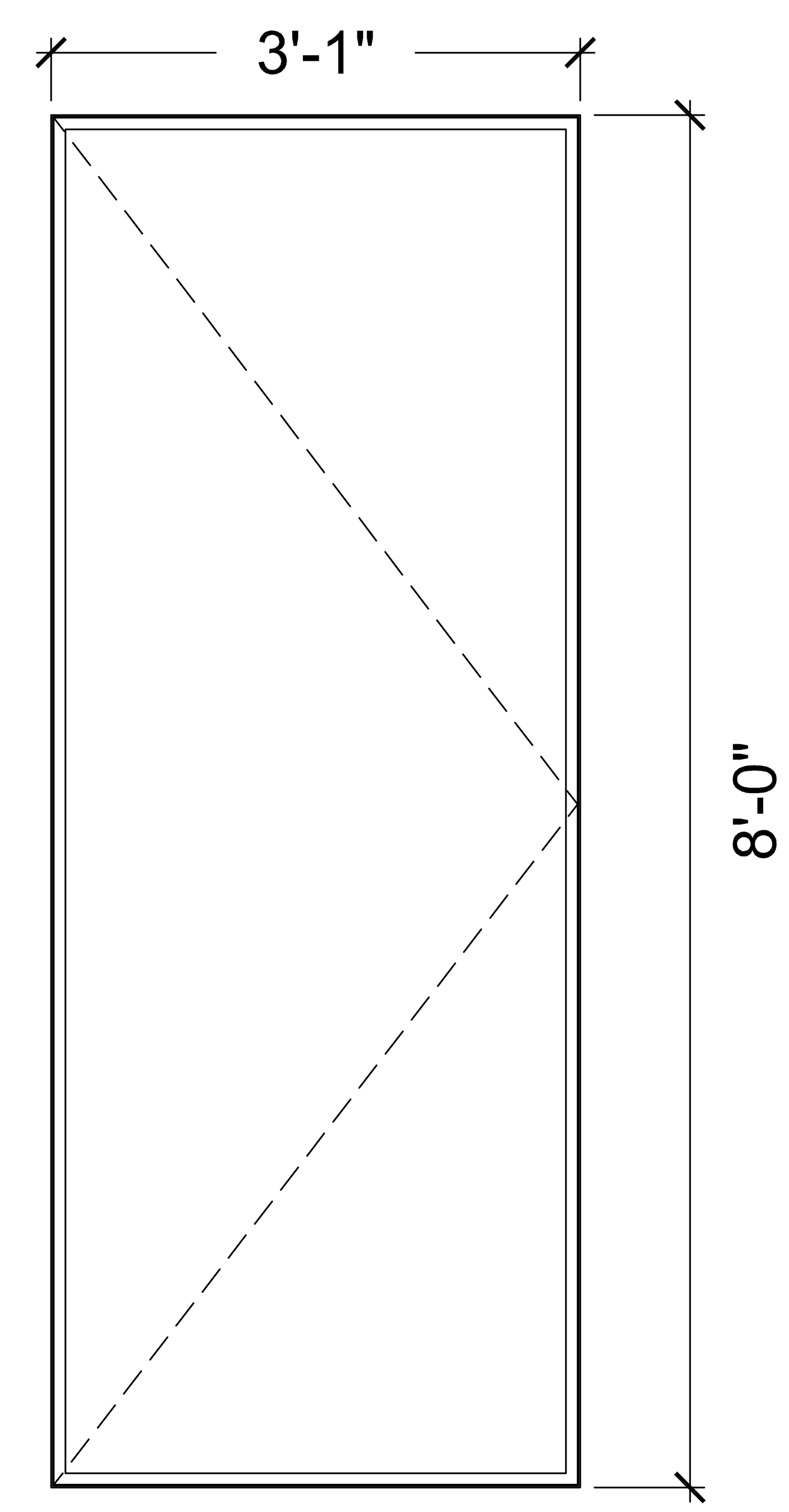


TYP. PYLON POSTER CABINET - PLAN
SCALE: 1" = 1'-0"



TYP. POSTER CABINET DETAIL - SECTION
SCALE: 6" = 1'-0"

TYP. PYLON POSTER CABINET - SECTION
SCALE: 1" = 1'-0"



TYP. PYLON POSTER CABINET - ELEVATION
SCALE: 1" = 1'-0"

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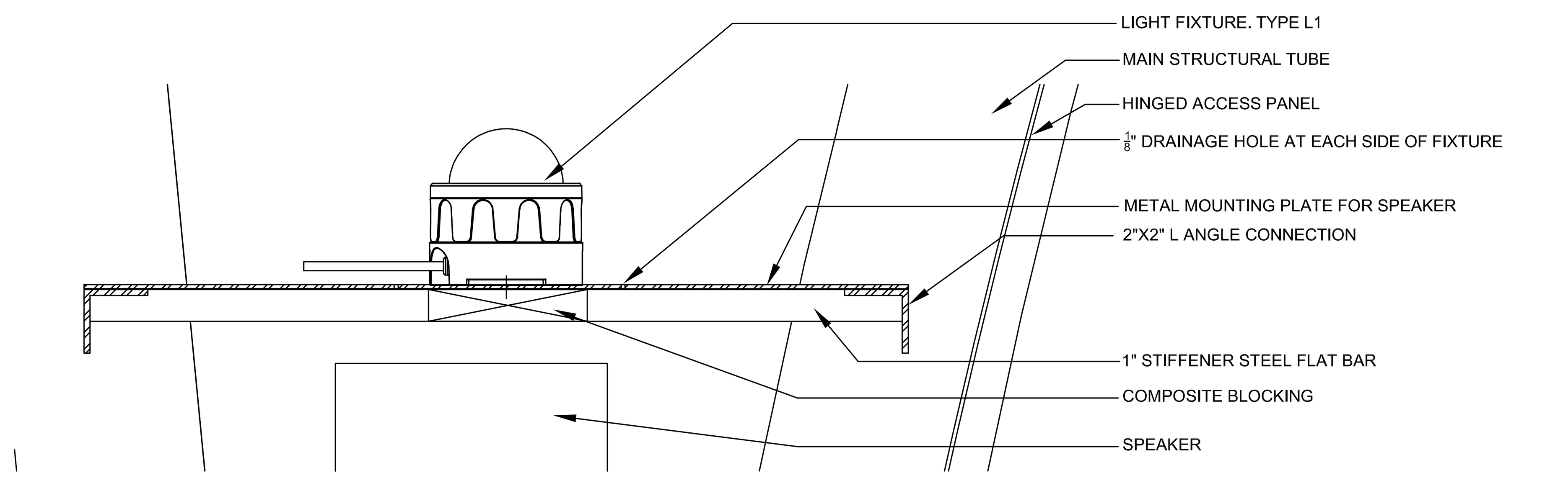
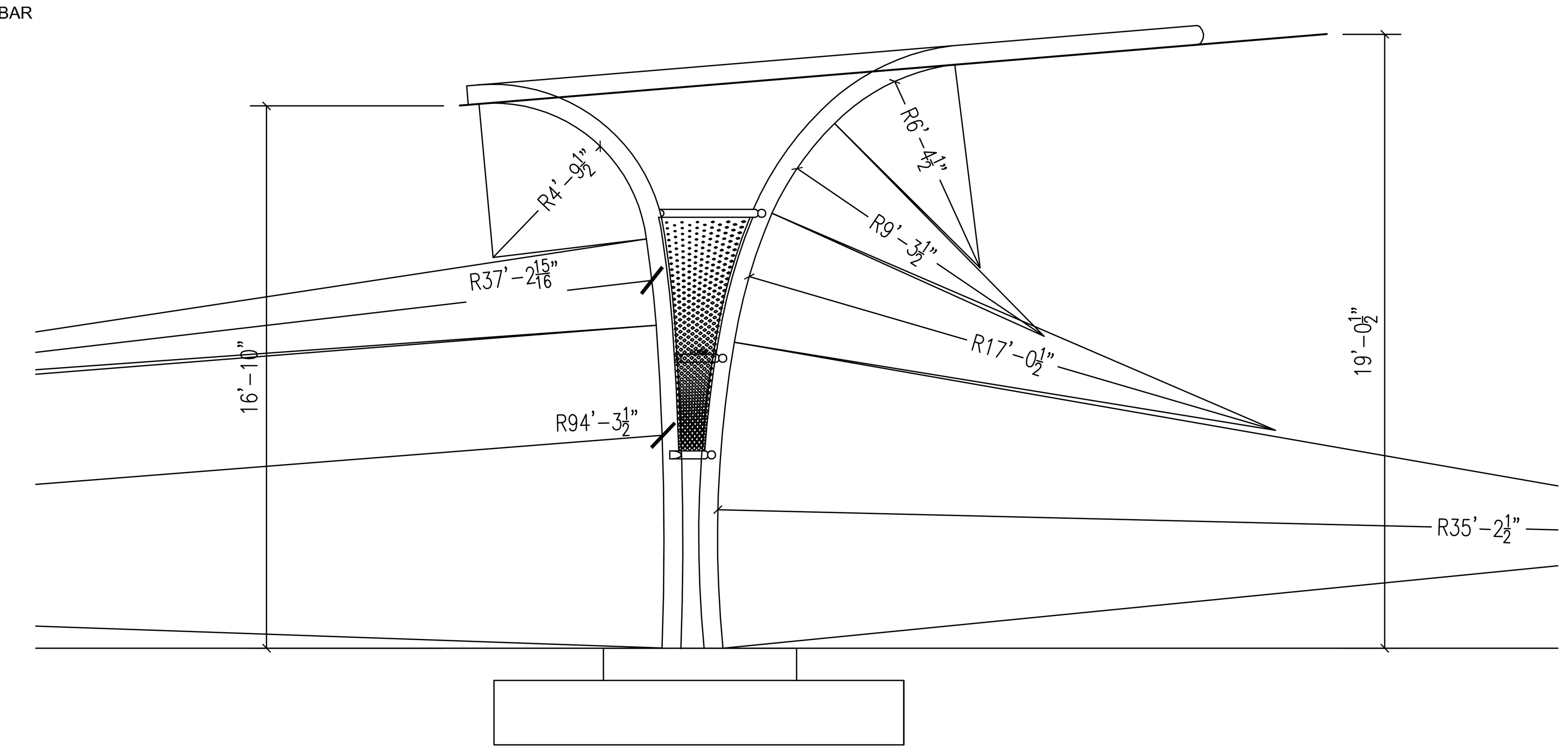
POSTER CABINET DETAILS

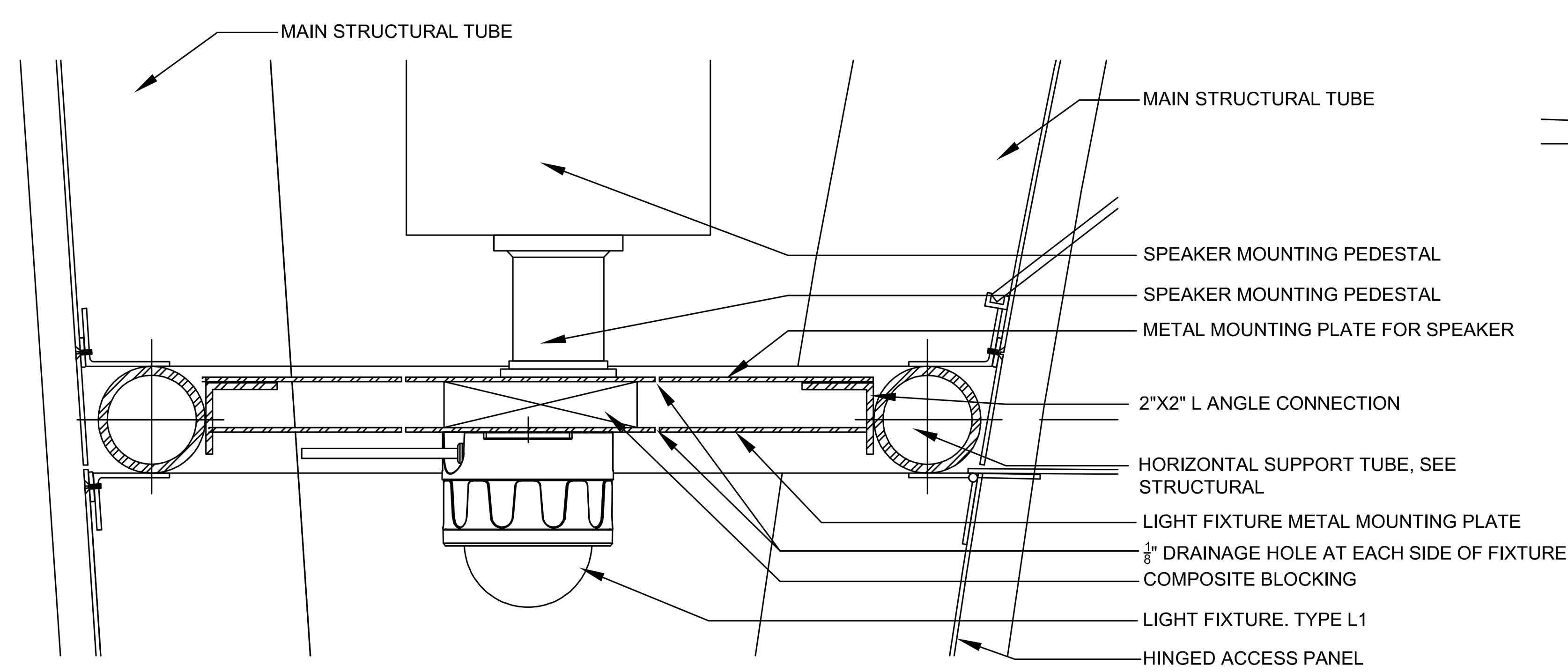
SHEET NUMBER
A2.5



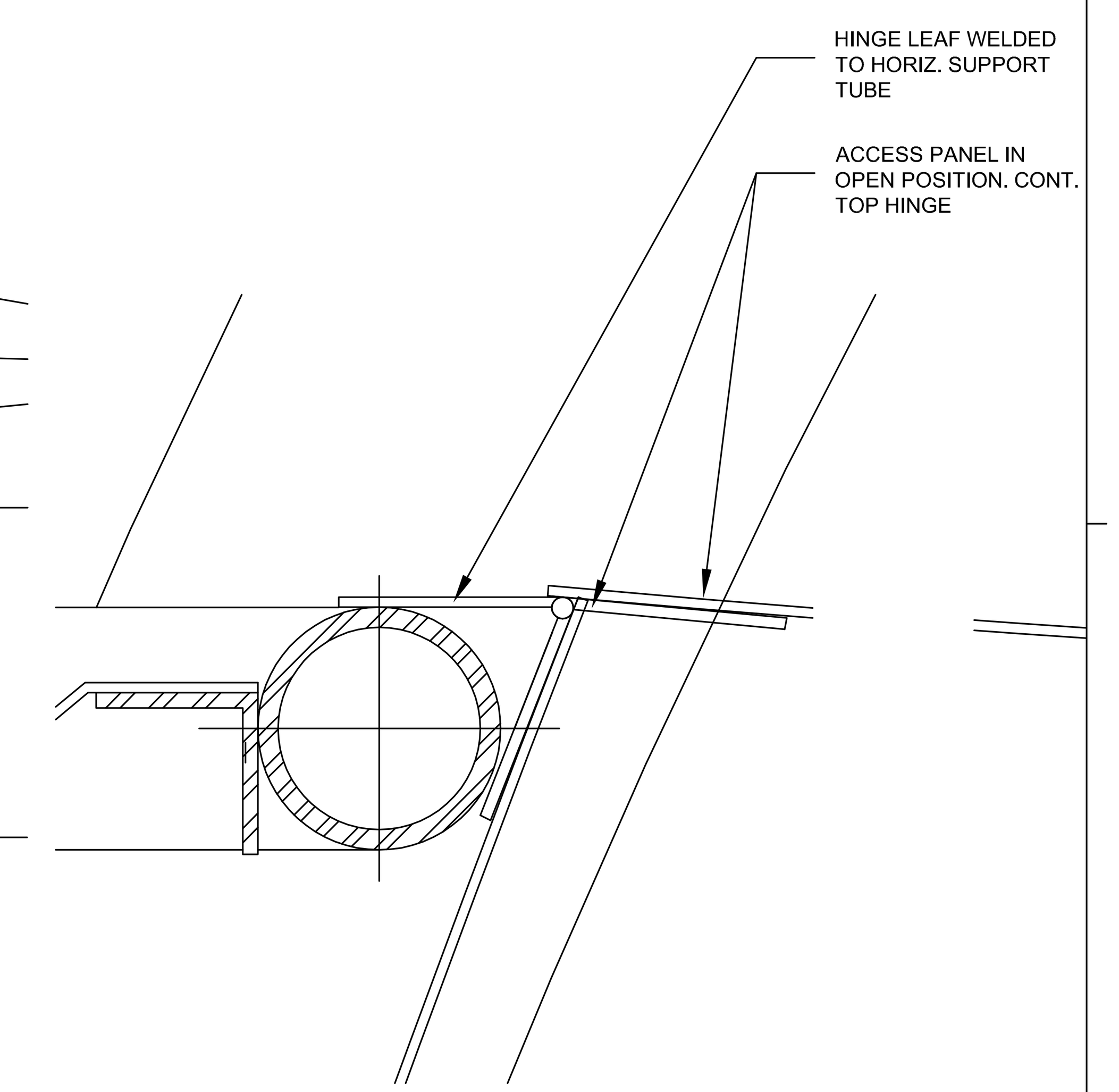
SHADE STRUCTURE UPLIGHT MOUNTING DETAIL
SCALE: 3" = 1'-0"



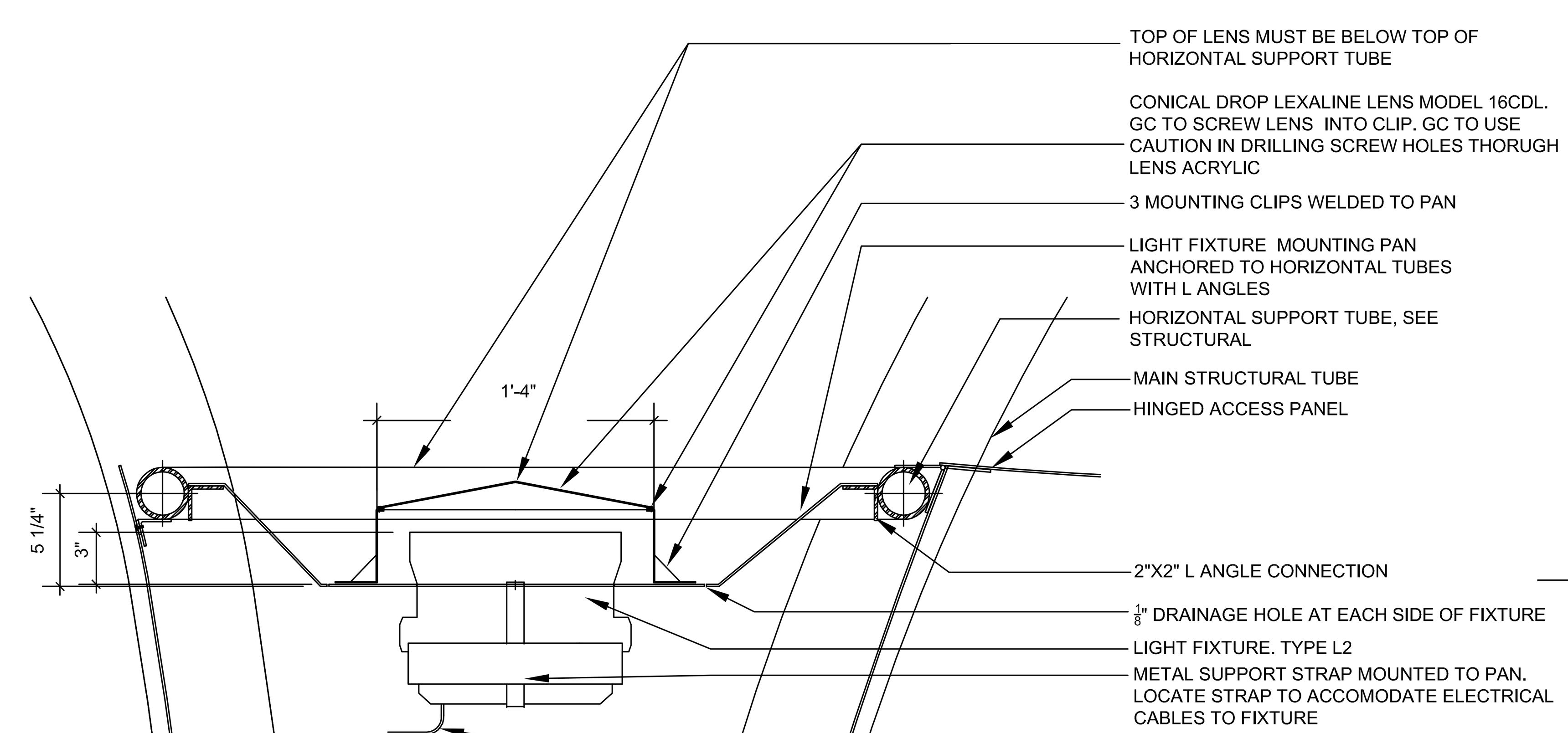
SHADE STRUCTURE - ELEVATION
SCALE: 1/4" = 1'-0"



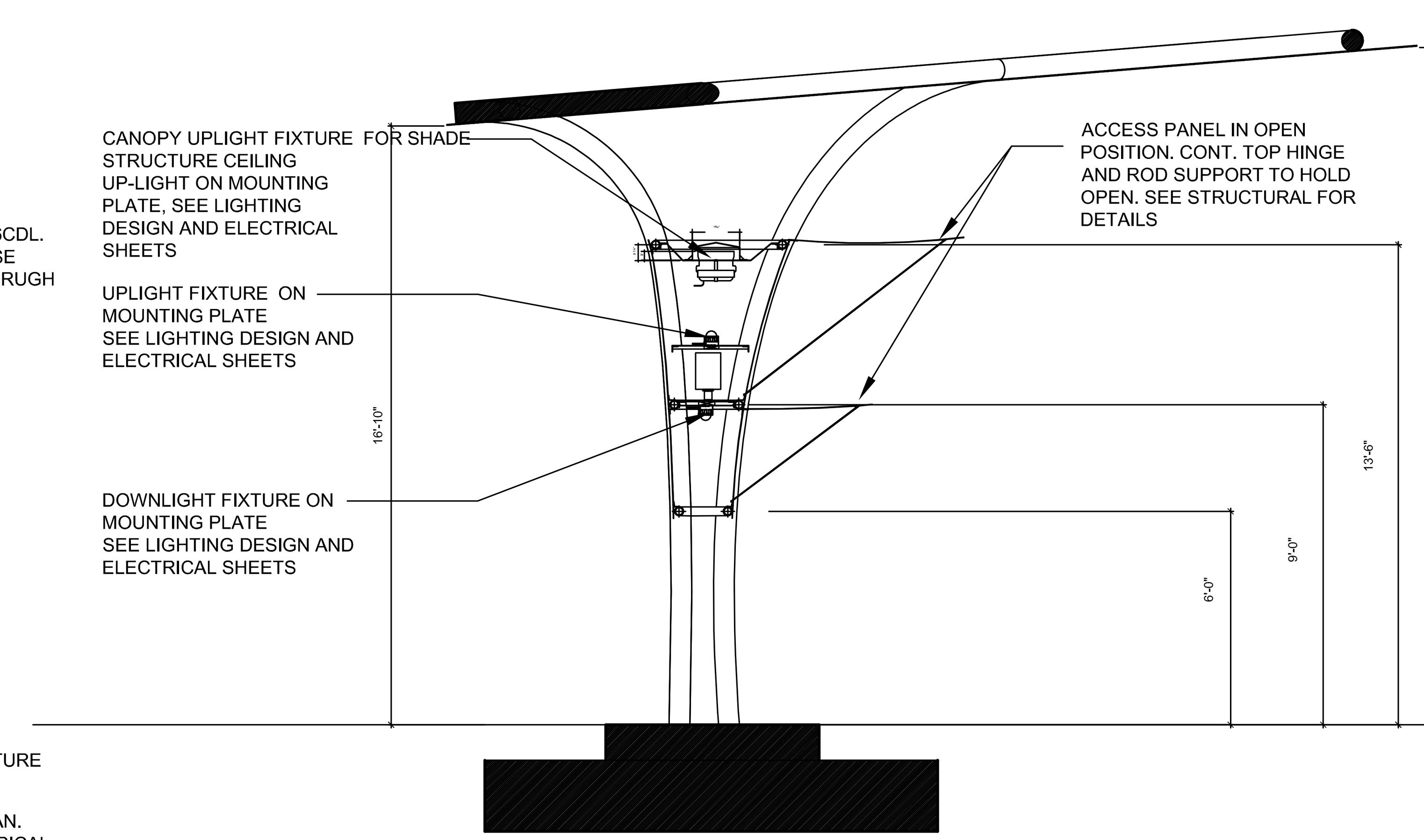
SHADE STRUCTURE DOWNLIGHT MOUNTING DETAIL
SCALE: 3" = 1'-0"



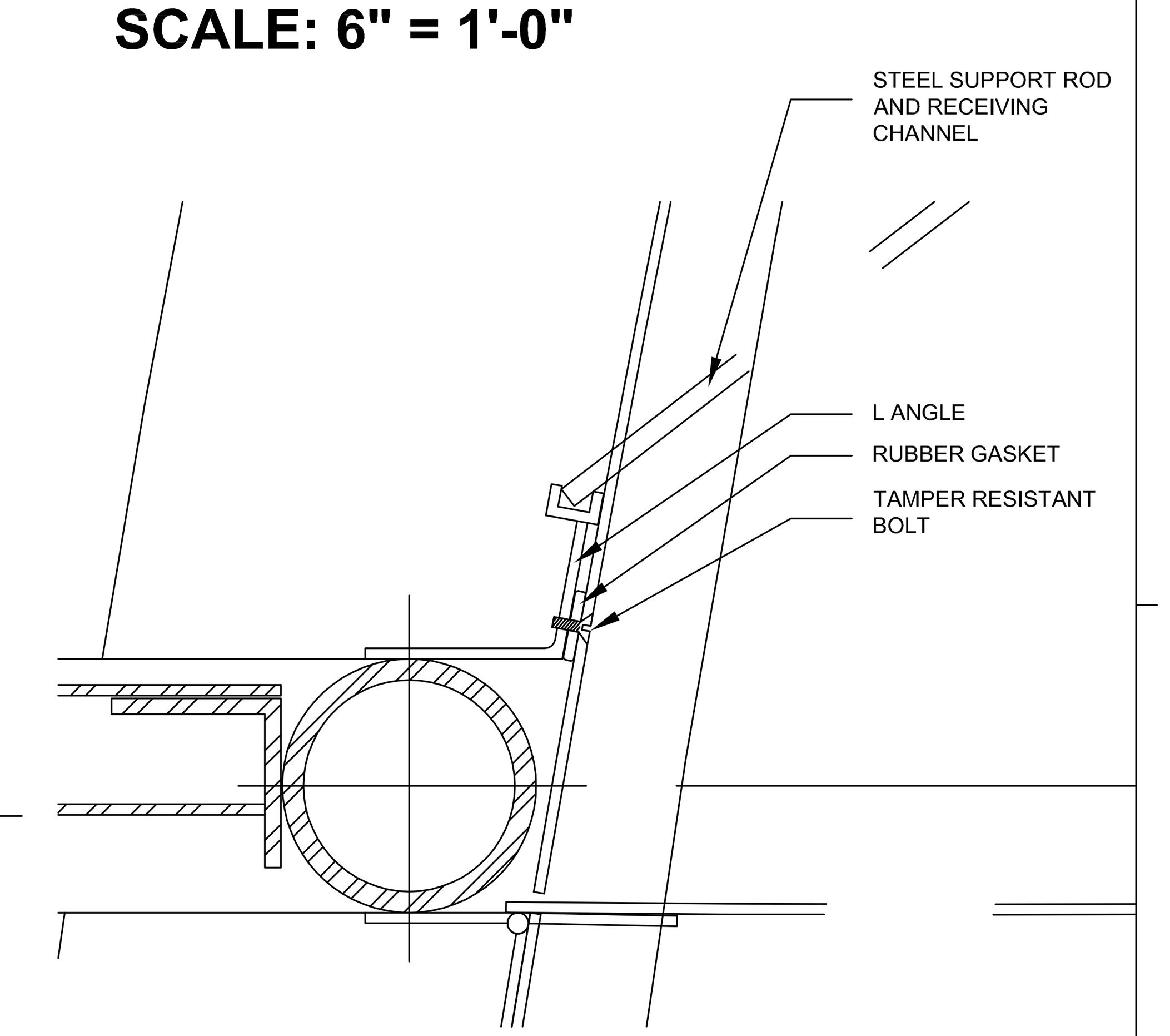
ACCESS PANEL TOP
SCALE: 6" = 1'-0"



CANOPY UPLIGHT MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



SHADE STRUCTURE - SECTION B
SCALE: 1/4" = 1'-0"



ACCESS PANEL BOTTOM
SCALE: 6" = 1'-0"

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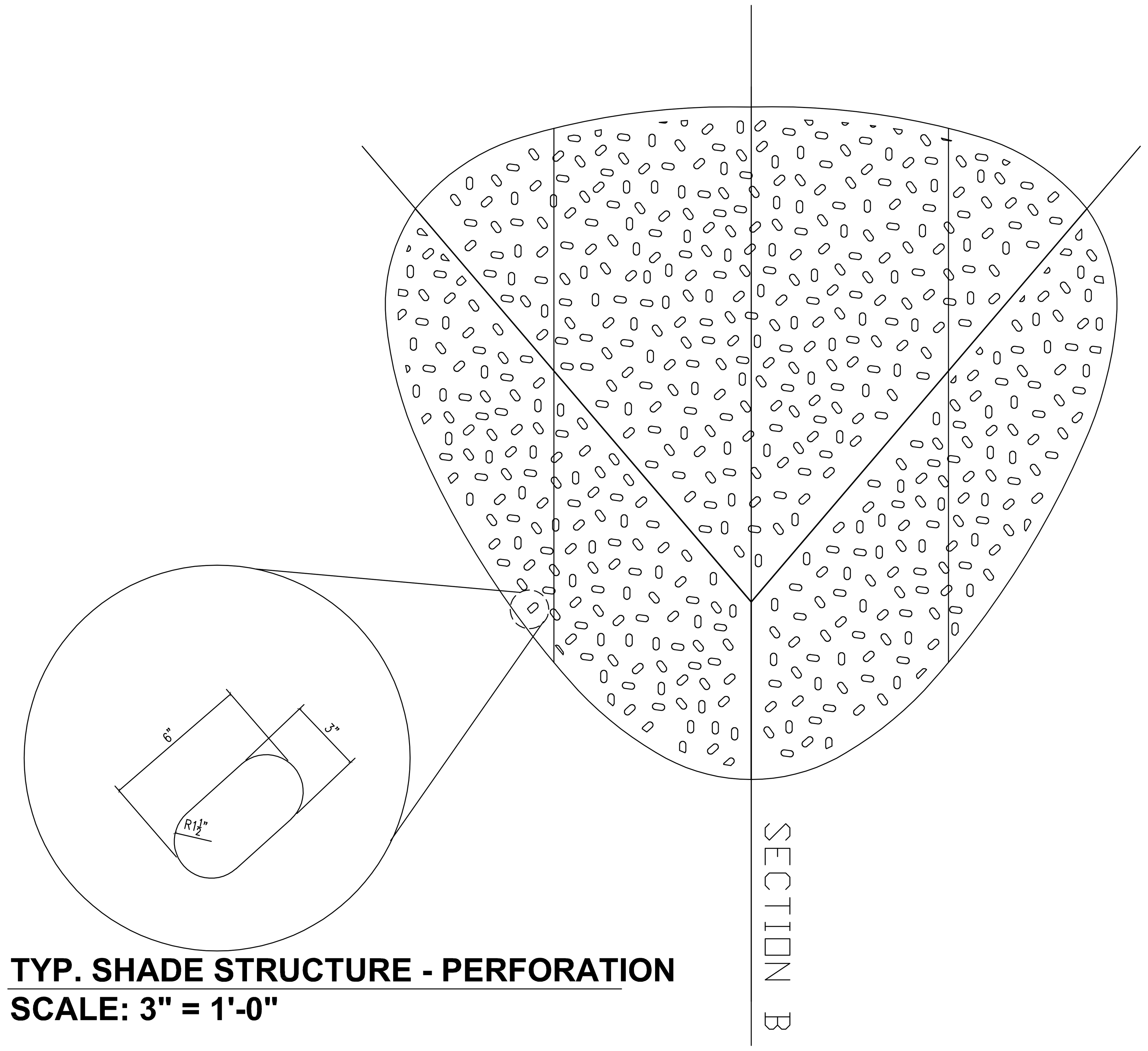
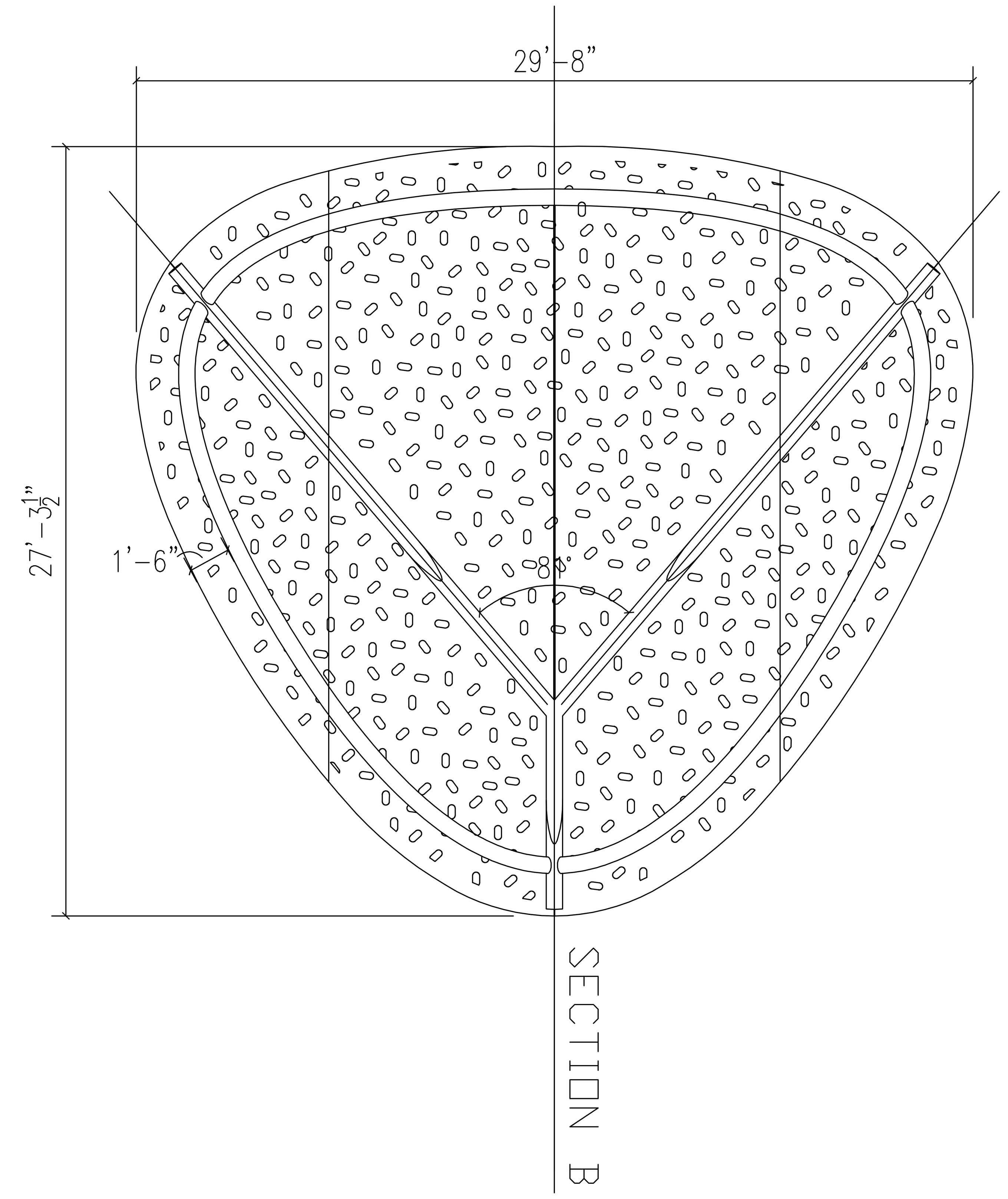
SHADE STRUCTURE ELEVATIONS & SECTION

SHEET NUMBER
A2.6

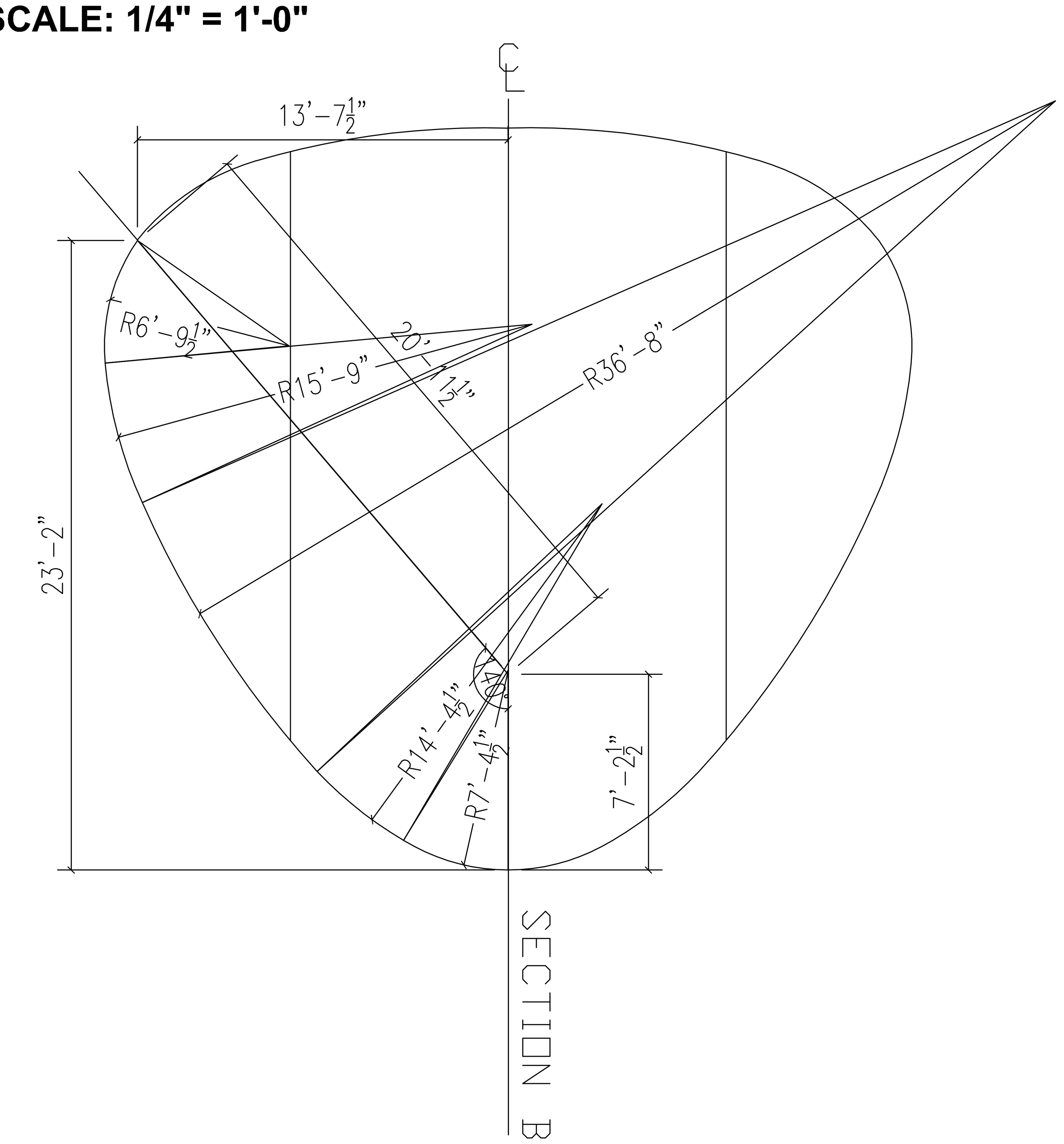


TYP. SHADE STRUCTURE - PERFORATION
SCALE: 3" = 1'-0"

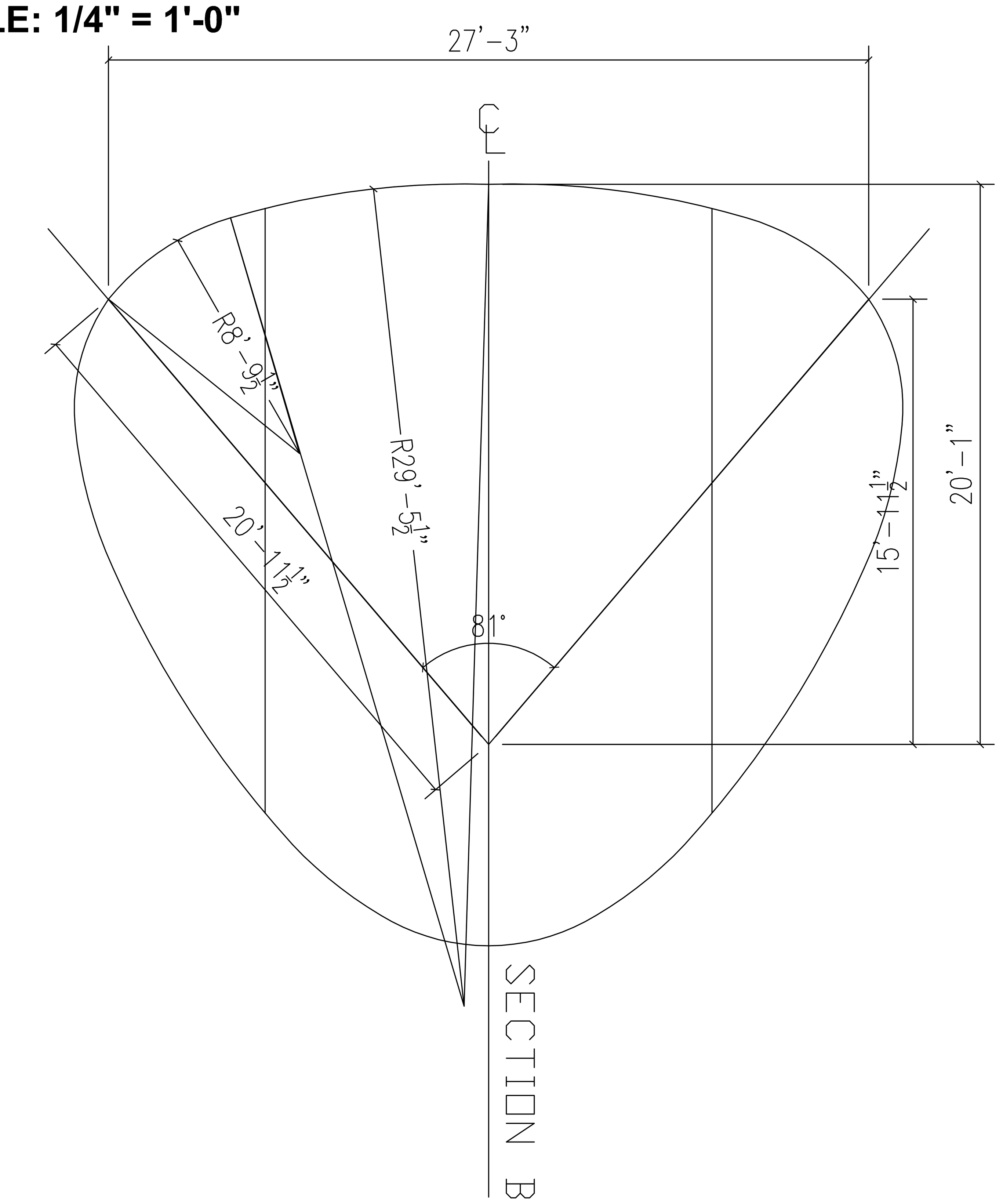
SHADE STRUCTURE - PERFORATIONS PLAN
SCALE: 1/4" = 1'-0"



SHADE STRUCTURE - ROOF PLAN
SCALE: 1/4" = 1'-0"



SHADE STRUCTURE - COMPONENT 2 - PLAN
SCALE: 1/4" = 1'-0"



SHADE STRUCTURE - COMPONENT 1 - PLAN
SCALE: 1/4" = 1'-0"

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SHADE CANOPY PLANS

SHEET NUMBER
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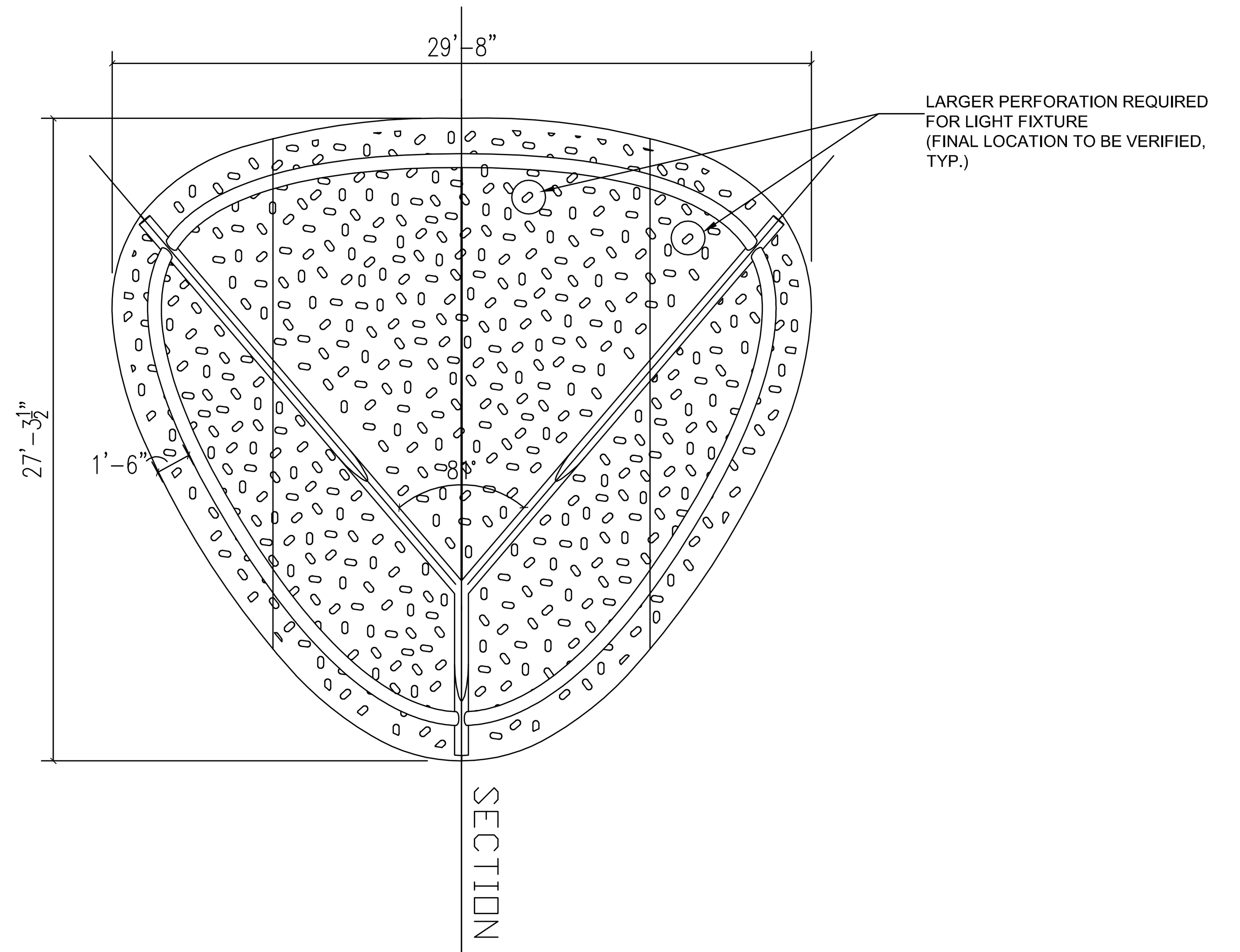
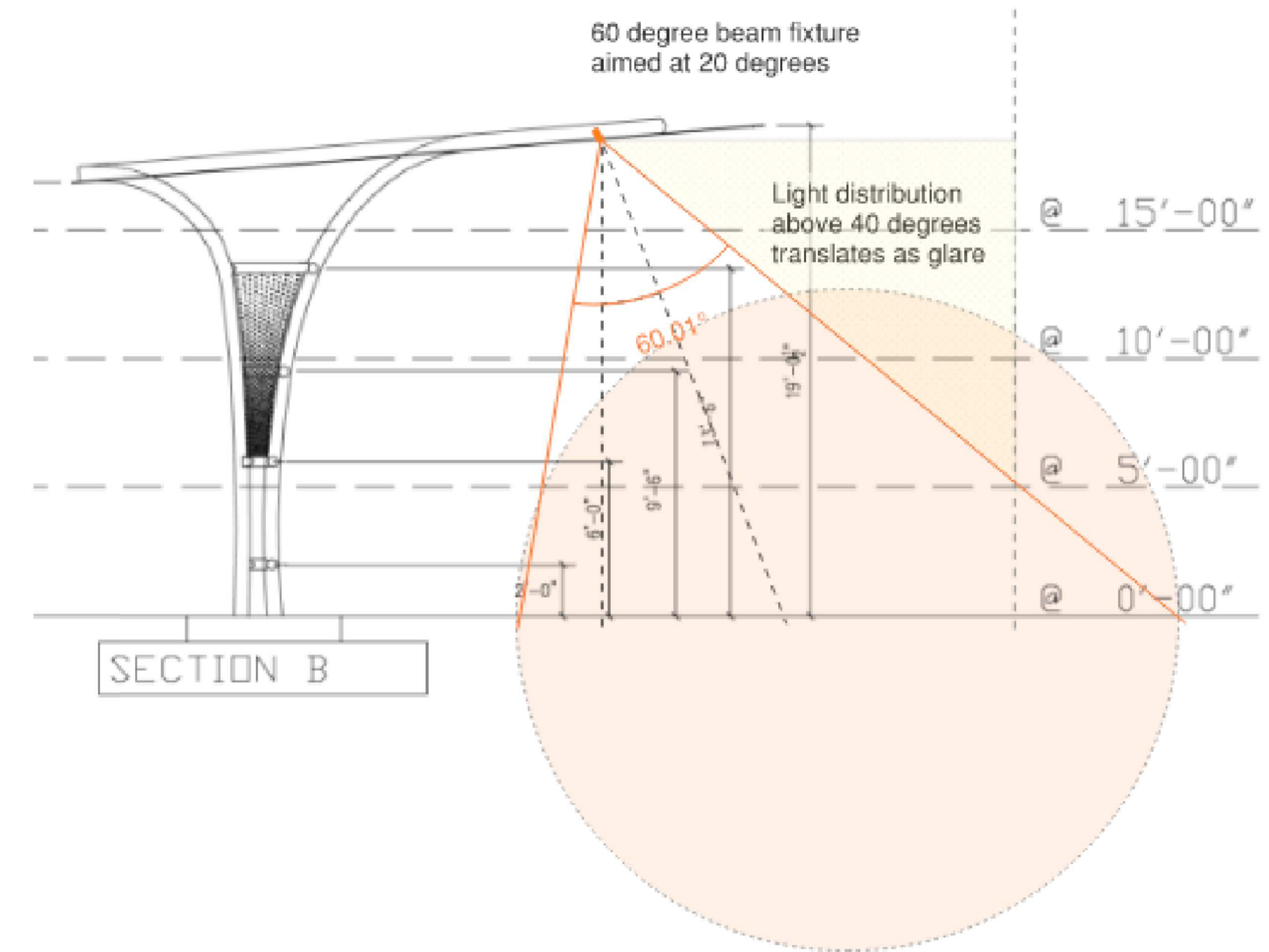
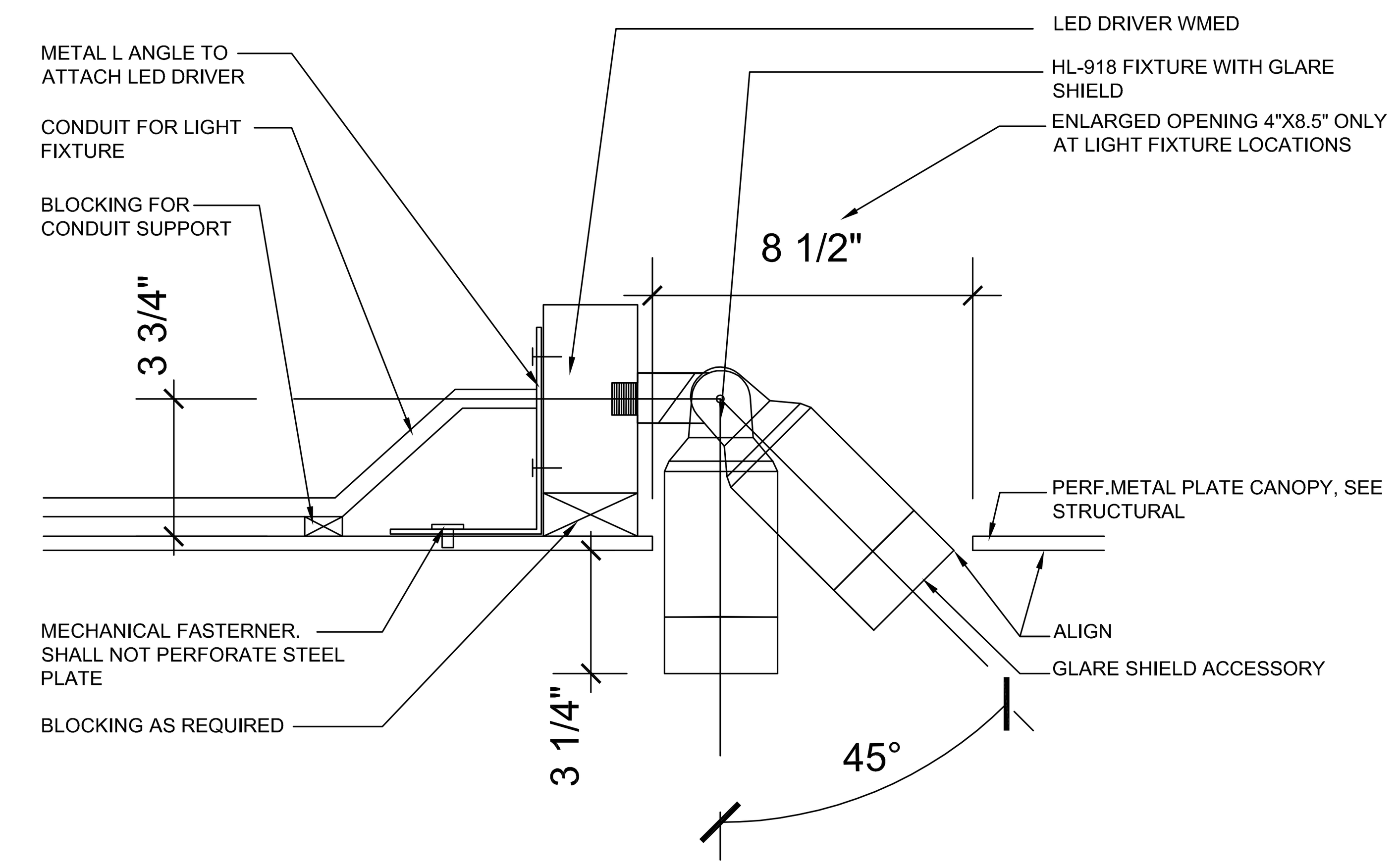


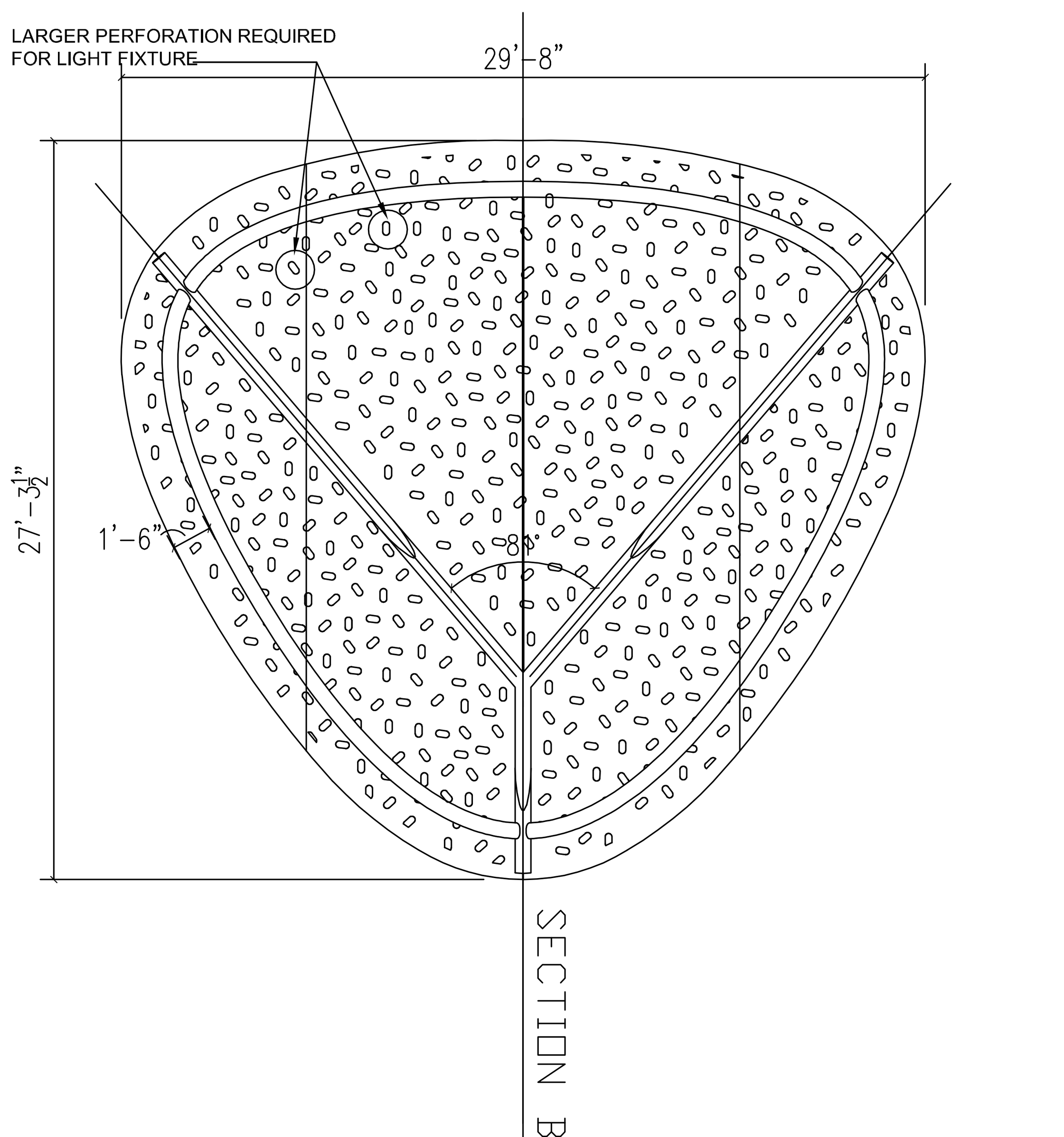
SHADE STRUCTURE #2 - PERFORATIONS PLAN
SCALE: 1/4" = 1'-0"



LIGHT DISTRIBUTION DIAGRAM
N.T.S.



LIGHT FIXTURE DETAIL
3" = 1'-0"



SHADE STRUCTURE #6 - PERFORATIONS PLAN
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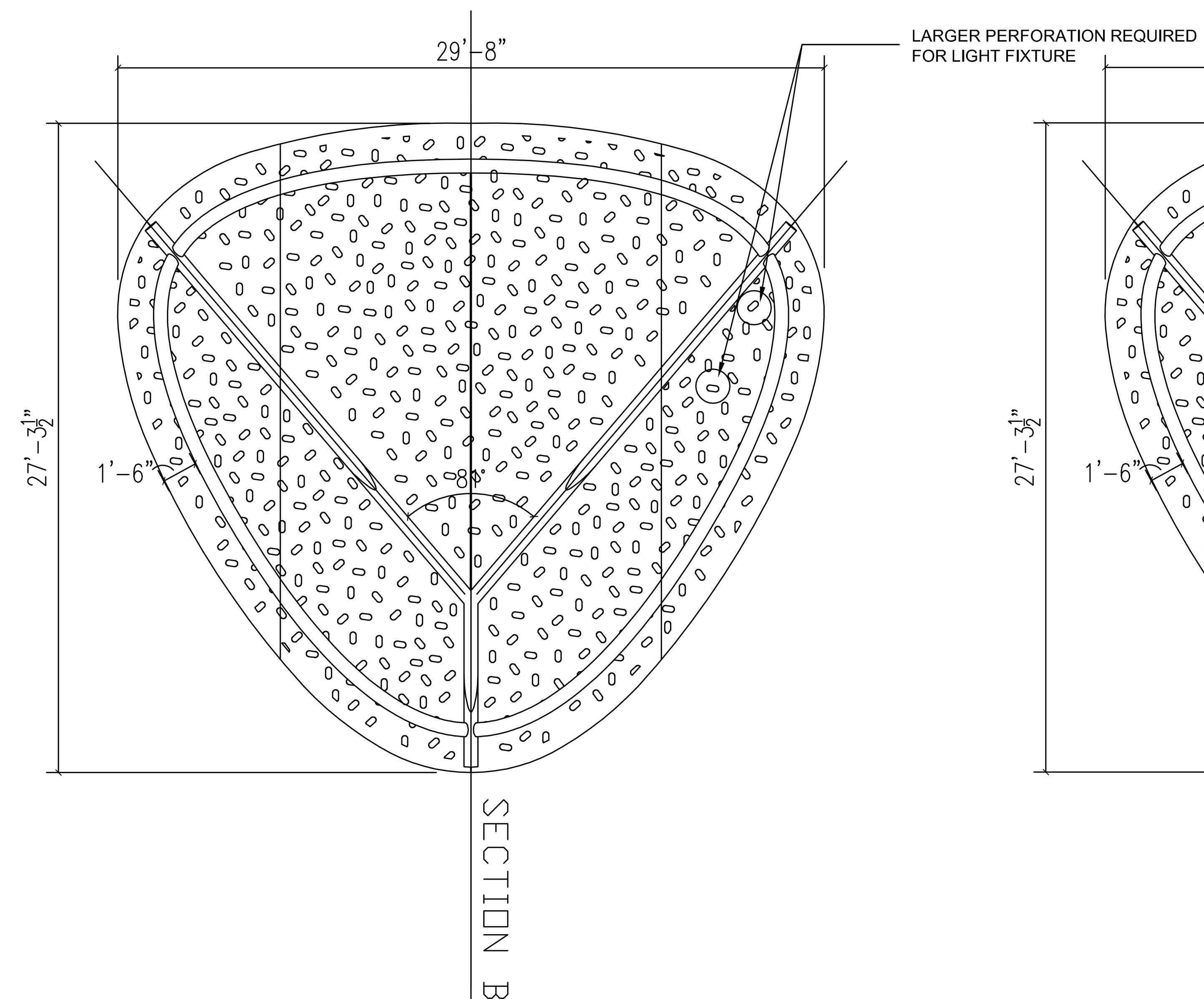
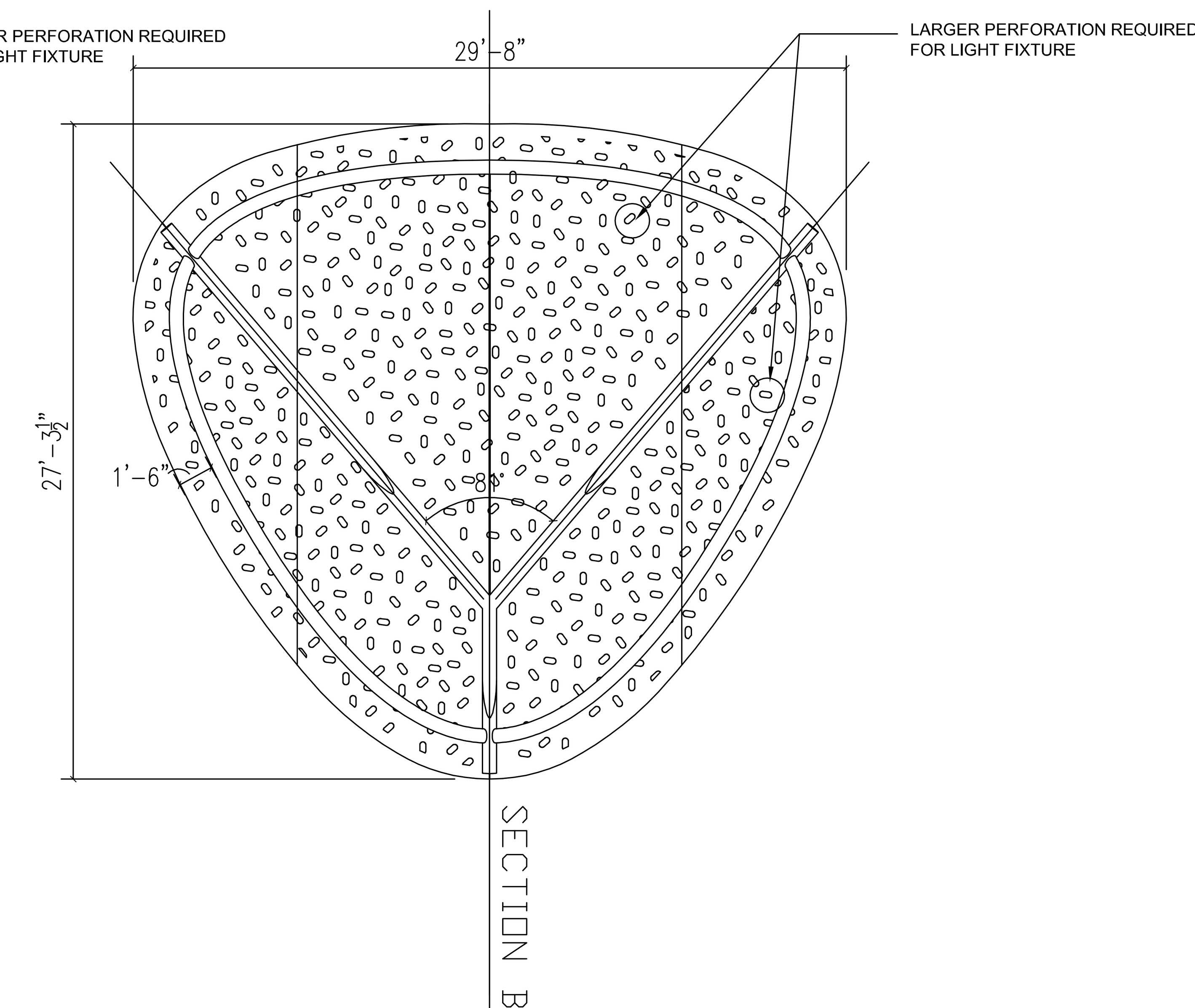
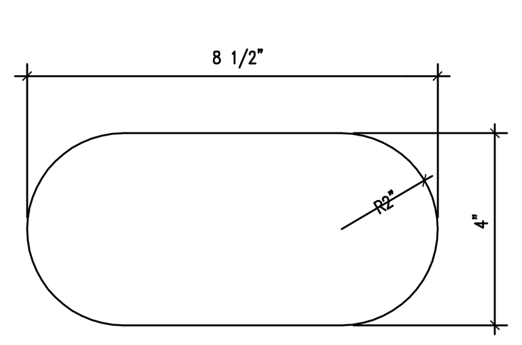


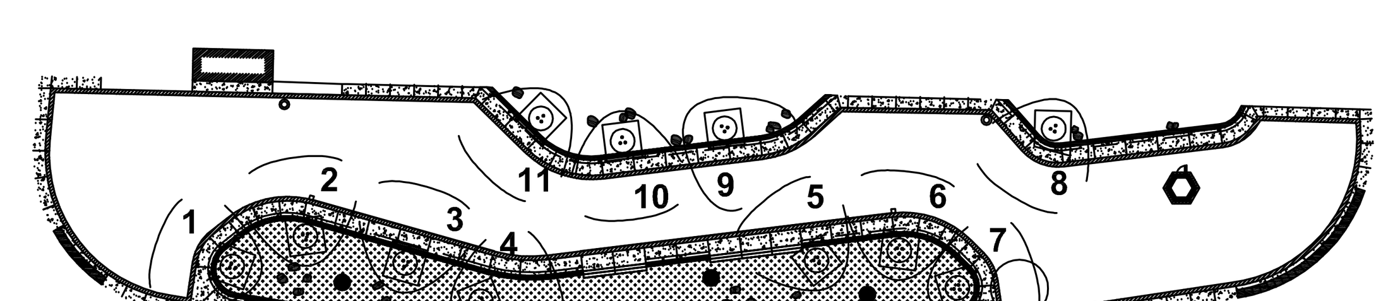
SHADE STRUCTURE #8 - PERFORATIONS PLAN
SCALE: 1/4" = 1'-0"



SHADE STRUCTURE #11 PERFORATIONS PLAN
SCALE: 3/16" = 1'-0"



LARGER PERFORATION DETAIL
SCALE: 3" = 1'-0"



FORECOURT KEY PLAN
SCALE: 1/4" = 1'-0"

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SHADE CANOPY DETAILS

SHEET NUMBER
A2.8

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS, UNLESS WAIVED BY THE BUILDING OFFICIAL (SEE IBC CHAPTER 17).

THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.

DUTIES OF THE SPECIAL INSPECTOR:

a. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED BELOW FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE 2018 IBC.
b. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE EOR, CONTRACTOR, OWNER AND BUILDING OFFICIAL ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE EOR AND THE BUILDING OFFICIAL.
c. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE 2018 IBC.

DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:

a. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH IBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS "STATEMENT OF SPECIAL INSPECTIONS".
b. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.
c. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.

PLEASE SEE THE "SPECIAL INSPECTION SCHEDULE" FOR THE TYPES, EXTENTS AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.

SPECIAL INSPECTION SCHEDULE

AREAS REQUIRING SPECIAL INSPECTION:	FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
FABRICATORS (IBC 1704.2.5)	X		IF FABRICATOR IS APPROVED, ON-SITE INSPECTION IS NOT REQUIRED BUT A CERTIFICATE OF COMPLETION MUST BE PROVIDED TO THE B.O. (IBC 1704.2.5.2)
SOILS (IBC 1705.6)			
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		X	PRIOR TO PLACEMENT OF CONCRETE
EXCAVATION EXTENDS TO PROPER DEPTH AND MATERIALS		X	PRIOR TO PLACEMENT OF COMPACTED FILL OR CONCRETE
CLASSIFICATION AND TESTING OF FILL MATERIALS		X	CHECK CLASSIFICATION AND GRADATIONS AT EACH LIFT, BUT NOT LESS THAN ONCE FOR EACH 10,000 FT² OF SURFACE AREA
VERIFY PROPER FILL MATERIALS, LIFT THICKNESSES, AND IN-PLACE DENSITIES	X		
VERIFY PROPERLY PREPARED SITE AND SUBGRADE		X	PRIOR TO PLACEMENT OF CONCRETE
CONCRETE CONSTRUCTION (IBC 1705.3)			
REINFORCING STEEL PLACEMENT		X	VERIFY SIZE, CLEARANCES, SPLICES, AND PROPER TIES
EMBEDDED BOLTS OR PLATES	X		
VERIFY REQUIRED DESIGN MIX		X	VERIFY MIX DESIGN MEETS STREGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS
CONCRETE PLACEMENT/SAMPLING	X		INCLUDES SAMPLING FOR AIR, SLUMP, STRENGTH, AND TEMPERATURE TECHNIQUES
INSPECT FORMWORK		X	VERIFY SHAPE, LOCATION, AND MEMBER DIMENSIONS
POST-INSTALLED ANCHORS	X		IN ACCORDANCE WITH APPROVED ICC-ES REPORT. PERIODIC INSPECTIONS ALLOWED IF STATED IN ES REPORT
STRUCTURAL STEEL CONSTRUCTION (IBC 1705.2, 1705.11, AND 1705.12)			
PRIOR TO WELDING (TABLE N5.4-1, AISC 360-10):			
VERIFY WELDING PROCEDURES	X		
MATERIAL IDENTIFICATION		X	VERIFY TYPE AND GRADE OF MATERIAL
WELDER IDENTIFICATION		X	VERIFY THERE IS A SYSTEM IN PLACE TO IDENTIFY THE WELDER WHO HAS WELDED A JOINT OR MEMBER.
FIT-UP GROOVE WELDS		X	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING, AND BACKING
ACCESS HOLES		X	VERIFY CONFIGURATION AND FINISH
FIT-UP FILLET WELDS		X	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OR STEEL SURFACES, TACK WELD QUALITY, AND LOCATION
DURING WELDING (TABLE N5.4-2, AISC 360-10):			
USE OF QUALIFIED INSPECTORS		X	VERIFY THAT WELDERS ARE APPROPRIATELY QUALIFIED
CONTROL AND HANDLING OF WELDING CONSUMABLES		X	VERIFY PACKAGING AND EXPOSURE CONTROL
CRACKED TACK WELDS		X	VERIFY WELDING IS NOT OVER A CRACKED TACK WELD
ENVIRONMENTAL CONDITIONS		X	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE
WPS FOLLOWED		X	VERIFY ITEMS SUCH AS WELDING EQUIPMENT SETTINGS, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION
WELDING TECHNIQUES		X	VERIFY INTERPASS AND FINAL CLEANING; EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS
AFTER WELDING (TABLE N5.4-3, AISC 360-10):			
WELDS CLEANED		X	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED
SIZE, LENGTH, AND LOCATION OF WELDS	X		
WELDS MEET VISUAL ACCPETANCE CRITERIA	X		
ARC STRIKES	X		
K-AREA	X		
BACKING AND WELDING TABS REMOVED	X		
REPAIR ACTIVITIES	X		
DOCUMENT ACCEPTANCE/REJECTION OF WELD	X		
NONDESTRUCTIVE TESTING (SECTION N5.5, AISC 360-10):			
CJP WELDS (RISK CATEGORY II)		X	ULTRASONIC TESTING SHALL BE PERFORMED ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN MATERIALS 5/16" THICK OR GREATER. TESTING RATE MUST BE INCREASED IF >5% OF WELDS HAVE UNACCEPTABLE DEFECTS.
ACCESS HOLES (FLANGE > 2")	X		
WELDED JOINTS SUBJECT TO FATIGUE	X		
INSPECTION OF HIGH-STRENGTH BOLTING (SECTION N5.6, AISC 360-10)			
VERIFY MATERIAL CERTIFICATION FOR FASTENERS	X		PRIOR TO BOLTING
INSTALLATION OF BOLTS		X	
DOCUMENT ACCEPTANCE/REJECTION OF BOLTS	X		
OTHER STEEL INSPECTIONS (SECTION N5.7, AISC 360-10, TABLES J8-1 AND J10-1, AISC 341-10):			
STRUCTURAL STEEL DETAILS		X	ALL FABRICATED STEEL AND THEIR CONNECTIONS SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN IN THE APPROVED PLANS
ANCHOR RODS/EMBEDS SUPPORTING STRUCTURAL STEEL		X	SHALL BE ON THE PREMISES DURING THE PLACEMENT OF ANCHOR RODS/EMBEDMENTS. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ELEMENT AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.
REDUCED BEAM SECTIONS (RBS)		X	VERIFY CONTOUR AND FINISH AS WELL AS DIMENSIONAL TOLERANCES (SEE TABLE J8-1 OF AISC 341)
PROTECTED ZONES		X	VERIFY THAT NO HOLES OR UNAPPROVED ATTACHMENTS ARE MADE WITHIN THE PROTECTED ZONE (SEE TABLE J8-1 OF AISC 341)

ABBREVIATIONS

AB	- ANCHOR BOLT
ABV	- ABOVE
ADDL	- ADDITIONAL
ADJ	- ADJACENT
ARCH	- ARCHITECTURAL
AYC	- ALASKAN YELLOW CEDAR
BLKG	- BLOCKING
BLW	- BELOW
BN	- BOUNDARY NAILS
BOS	- BOTTOM OF SHEATHING
BTWN	- BETWEEN
CBC	- CALIFORNIA BUILDING CODE
CJ	- CONSTRUCTION JOINT
CL	- CENTERLINE
COL	- COLUMN
CONC	- CONCRETE
CONT	- CONTINUOUS
CVG	- CONTINUOUS VERTICAL GRAIN
DIAM	- DIAMETER
DF	- DOUGLAS FIR
DFPT	- DOUGLAS FIR PRESSURE TREATED
DL	- DEAD LOAD
DN	- DOWN
E	- EXISTING
EA	- EACH
ELECT	- ELECTRICAL
EN	- EDGE NAIL
ENGR	- ENGINEER
ES	- EACH SIDE
EW	- EACH WAY
FDN	- FOUNDATION
FF	- FINISH FLOOR
FOHC	- FREE OF HEART CORE
FOS	- FACE OF STUD
FRMG	- FRAMING
FS	- FAR SIDE
GA	- GAGE
GALV	- GALVANIZED
GC	- GENERAL CONTRACTOR
GLB	- GLUED LAMINATED BEAM
GYP	- GYPSUM BOARD
HD	- HOLDOWN
HORIZ	- HORIZONTAL
HSS	- HOLLOW STRUCTURAL SECTION
IBC	- INTERNATIONAL BUILDING CODE
INTR	- INTERMEDIATE
INV	- INVERTED
K	- KIPS
KP	- KING POST
KS	- KING STUD
LL	- LIVE LOAD
LLV	- LONG LEG VERTICAL
LLH	- LONG LEG HORIZONTAL
LSL	- LAMINATED STRAND LUMBER
LVL	- LAMINATED VENEER LUMBER
LWT	- LIGHTWEIGHT
MAX	- MAXIMUM
MECH	- MECHANICAL
MFR	- MANUFACTURER
MIN	- MINIMUM
MISC	- MISCELLANEOUS
N	- NEW
NS	- NEAR SIDE
OC	- ON CENTER
OCEW	- ON CENTER EACH WAY
OF	- OUTER FACE
OH	- OPPOSITE HAND
OPNG	- OPENING
PARA	- PARALLEL
PERP	- PERPENDICULAR
PL	- PLATE
PLF	- POUNDS PER LINEAR FOOT
PSF	- POUNDS PER SQUARE FOOT
PSL	- PARALLEL STRAND LUMBER
PT	- PRESSURE TREATED
PW	- PLYWOOD
REINF	- REINFORCEMENT
REQ	- REQUIRED
SCHED	- SCHEDULE
SHTG	- SHEATHING
SIM	- SIMILAR
SMS	- SHEET METAL SCREW
SOG	- SLAB ON GRADE
STAG	- STAGGERED
STD HK	- STANDARD HOOK
STIFF	- STIFFENER
STL	- STEEL
SW	- SHEARWALL
SYM	- SYMMETRICAL
T&B	- TOP & BOTTOM
T&G	- TONGUE AND GROOVED
THRU	- THROUGH
TN	- TOE NAIL
TS	- TUBE STEEL
TYP	- TYPICAL
UNO	- UNLESS NOTED OTHERWISE
VERT	- VERTICAL
VIF	- VERIFY IN FIELD
w/	- WITH
WWF	- WELDED WIRE FABRIC

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GENERAL NOTES

1. UNLESS EXPLICITLY STATED IN THESE CONSTRUCTION DOCUMENTS, BY NOTE OR CLARIFICATION LETTER, THE ENTIRE SCOPE OF WORK REPRESENTED BY THESE DOCUMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

2. THESE CONSTRUCTION DOCUMENTS REPRESENT THE DESIGN INTENT OF THE DESIGN TEAM BASED ON DIMENSIONS OF EXISTING SITE AND/OR FIELD CONDITIONS. ACTUAL CONDITIONS MAY REQUIRE MODIFICATIONS OF THE CONSTRUCTION DETAILS TO ACHIEVE THE DESIGN INTENT. CONTRACTOR SHALL NOTIFY DESIGN TEAM IN WRITING OF ANY DISCREPANCIES RELATED TO EXISTING SITE AND/OR FIELD CONDITIONS PRIOR TO CONTINUING ANY WORK.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RECORD ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONSTRUCTION DOCUMENTS AND TO BRING THEM TO THE ATTENTION OF THE DESIGN TEAM PRIOR TO COMMENCING ANY WORK. ANY DEVIATION FROM THE CONDITIONS SHOWN IN THESE CONSTRUCTION DOCUMENTS SHALL REQUIRE WRITTEN APPROVAL FROM THE DESIGN TEAM.

4. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM PRIOR TO COMMENCING ANY WORK.

5. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY. WORK REQUIRED TO BE DONE BY ONE DOCUMENT AND NOT BY OTHERS SHALL BE DONE AS IF REQUIRED BY ALL.

6. THE CONTRACTOR AND SUBCONTRACTOR SHALL MAKE NO STRUCTURAL SUBSTITUTIONS, CHANGES, OR MODIFICATIONS WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

7. CONTRACTORS AND SUBCONTRACTORS SHALL ENSURE THAT ALL WORK IS PERFORMED IN A PROFESSIONAL AND WORKMANLIKE MANNER BY SKILLED MECHANICS OF THE TRADE. SUBCONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK IN A TIMELY MANNER.

8. UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED, OR OTHERWISE WEAKENED WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER.

COORDINATION NOTES

ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THESE GENERAL NOTES, AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE STRUCTURE HAS BEEN DESIGNED TO RESIST CODE REQUIRED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO JOB SITE SAFETY; ERECTION MEANS, METHODS, AND SEQUENCES; TEMPORARY SHORING, FORMWORK, AND BRACING; USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES. PROVIDE ADEQUATE RESISTANCE TO LOADS ON THE STRUCTURES DURING CONSTRUCTION PER SEI/ASCE STANDARD NO. 37 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION." CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH DESIGN ASPECTS ONLY AND IS NOT INTENDED IN ANY WAY TO REVIEW THE CONTRACTOR'S CONSTRUCTION PROCEDURES.

STANDARDS
ALL METHODS, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION.

CONTRACT DRAWINGS / DIMENSIONS

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. CONSULTANT DRAWINGS BY OTHER DISCIPLINES ARE SUPPLEMENTARY TO ARCHITECTURAL DRAWINGS. REPORT DIMENSIONAL OMISSIONS OR DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL, MECHANICAL, ELECTRICAL OR CIVIL DRAWINGS TO ARCHITECT PRIOR TO PROCEEDING WITH WORK.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON STRUCTURAL PLANS AND DETAILS AND OVERALL LAYOUT OF STRUCTURAL PORTION OF WORK. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED SUCH AS: WALL CONFIGURATIONS (INCLUDING EXACT DOOR AND WINDOW LOCATIONS), ALCOVES, SLAB SLOPES AND DEPRESSIONS, CURBS, ETC. VERTICAL DIMENSIONAL CONTROL IS DEFINED BY ARCHITECTURAL WALL SECTIONS AND BUILDING SECTIONS. STRUCTURAL DETAILS SHOW DIMENSIONAL RELATIONSHIPS TO CONTROL DIMENSIONS DEFINED BY ARCHITECTURAL DRAWINGS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

DESIGN CRITERIA

RISK CATEGORY: II - TABLE 1604.5

VERTICAL LOADS

AREA	DESIGN DEAD LOAD	LIVE LOAD	CONCENTRATED LOADS
ROOF	15 PSF	20 PSF	--

SNOW: FOR SITES OVER 25 PSF.

P_g = 30 PSF (GROUND SNOW LOAD)
$P_f = .7P_gC_eC_tI = 23$ PSF (FLAT ROOF SNOW LOAD)
$I_s = 1.0$, $C_e = 1.0$, $C_t = 1.1$, $C_s = 1.0$

LATERAL FORCES
WIND:
- EXPOSURE CATEGORY = C
- RISK CATEGORY = II
- BASIC WIND SPEED, V = 130 MPH

SEISMIC:
$V = C_sW$
$C_s = S_{DS}/(R/I)$; $0.044\ S_{DS}*I_e < C_s < S_{D1}/((R/I_e)*T)$
- SEISMIC IMPORTANCE FACTOR, $I_e = 1$
- SPECTRAL RESPONSE ACCELERATION $S_s = 1.525$, $S_1 = 0.535$
- SITE CLASS PER TABLE 20-3.1 OF ASCE 7-16 = D
- SPECTRAL RESPONSE COEFFICIENTS: $S_{DS} = 1.017$, $S_{d1} = 0.630$
- SEISMIC DESIGN CATEGORY = D

FOUNDATIONS:

SOIL BEARING PRESSURE: 3500 PSF*
ACTIVE PRESSURE - RESTRAINED: N.A.
ACTIVE PRESSURE - UNRESTRAINED: 37 PCF
PASSIVE RESISTANCE: 450 PCF
COEFFICIENT OF FRICTION: .45
*1/3 INCREASE ALLOWED FOR SEISMIC OR WIND LOADING

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE	(2018 IBC)
2018 NATIONAL DESIGN STANDARD	(2018 NDS)
STEEL CONSTRUCTION MANUAL, 15 ED.	(AISC 15 ED.)

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THE CITY OF SPARKS
SPARKS, NV

PROFESSIONAL ENGINEER STATE OF NEVADA MICHAEL J. WICKLIN No. 19139 Exp: 12-31-23 CIVIL

9-21-22

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

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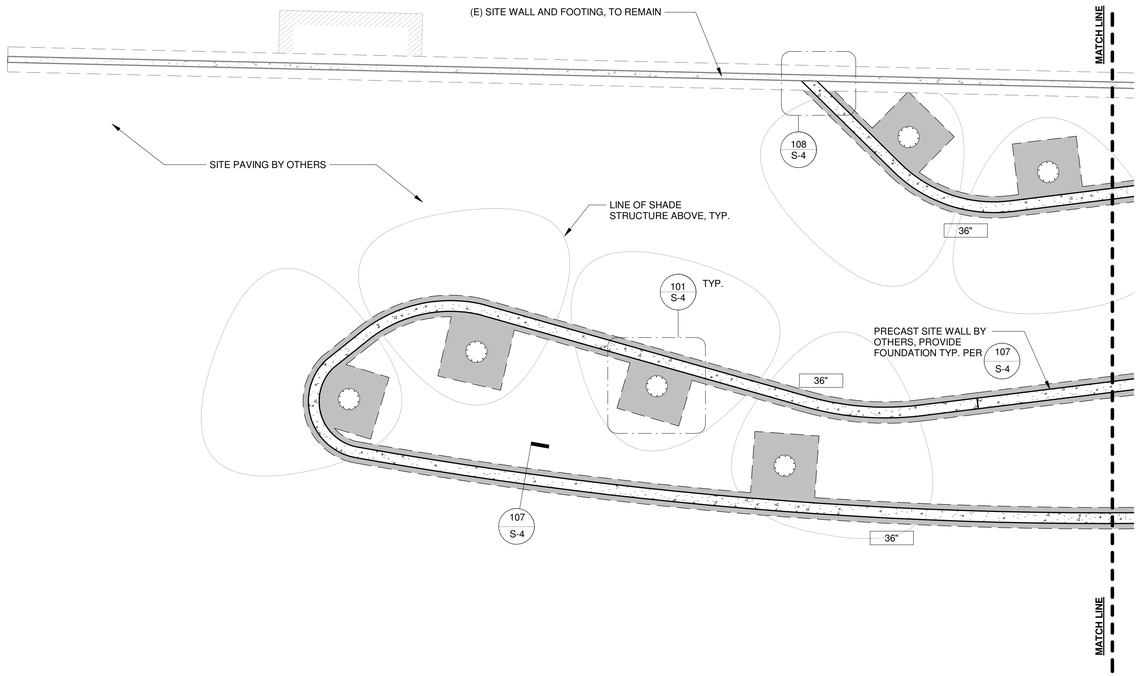
PROJECT NUMBER: 6834

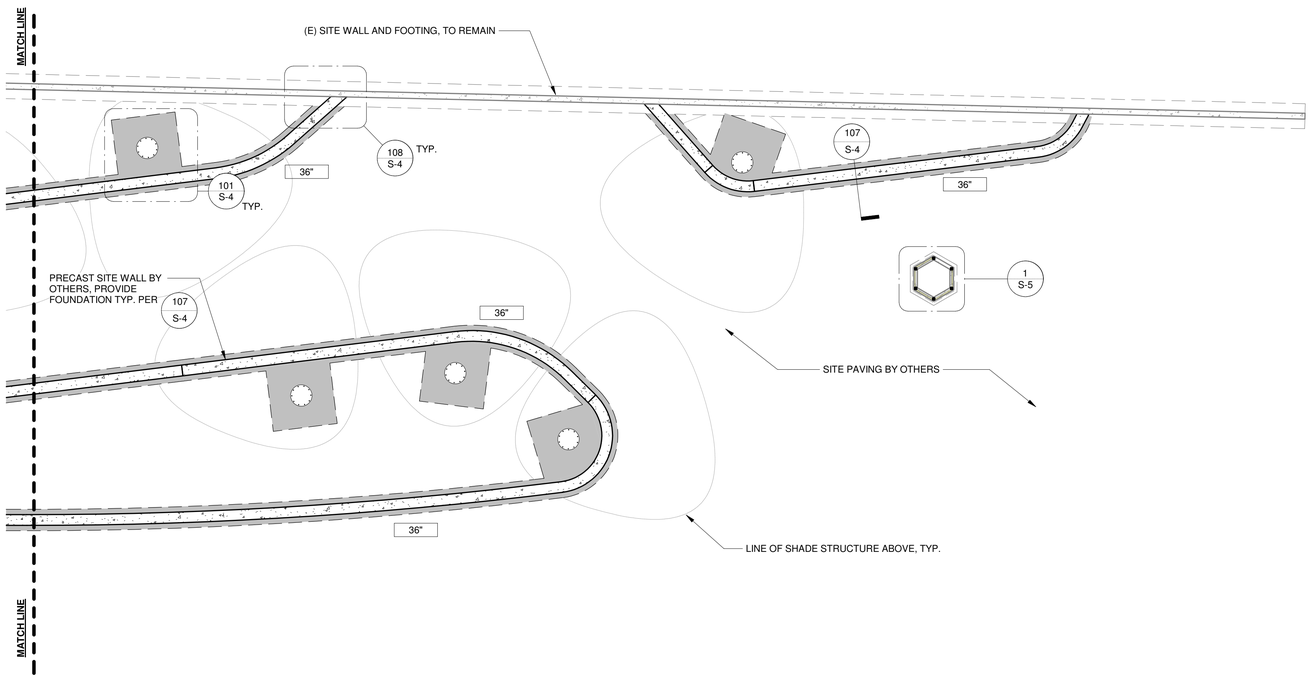
COVER PAGE

SHEET NUMBER

S-1



FOUNDATION PLAN WEST
1" = 10'-0"



FOUNDATION PLAN EAST
1" = 10'-0"

FOUNDATION NOTES

1) SEE TYP NOTES AND DETAILS ON SHEET S-1 FOR ADDITIONAL INFORMATION.

2) SECURE ALL ANCHORS WITHIN FORMWORK PRIOR TO POUR.

3) BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

4) WIDEN/EXTEND FOOTINGS AS REQUIRED TO PROVIDE SUPPORT FOR ANY VENEER SHOWN ON ARCHITECTURAL DRAWINGS.

FOUNDATION LEGEND

##	CONTINUOUS FOOTING PER SCHEDULE (IN)
	NEW FOOTING
	EXISTING FOOTING

CONT. FOOTING SCHEDULE

TYPE	WIDTH	THICKNESS	LINEAL FEET	REBAR
36"	36"	1' - 0"	573' - 1"	(4) #4 CONT.

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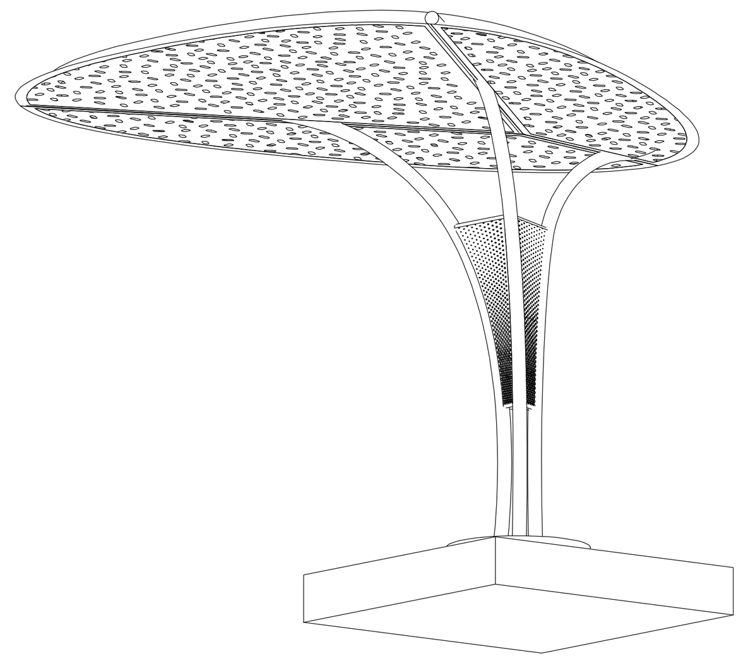
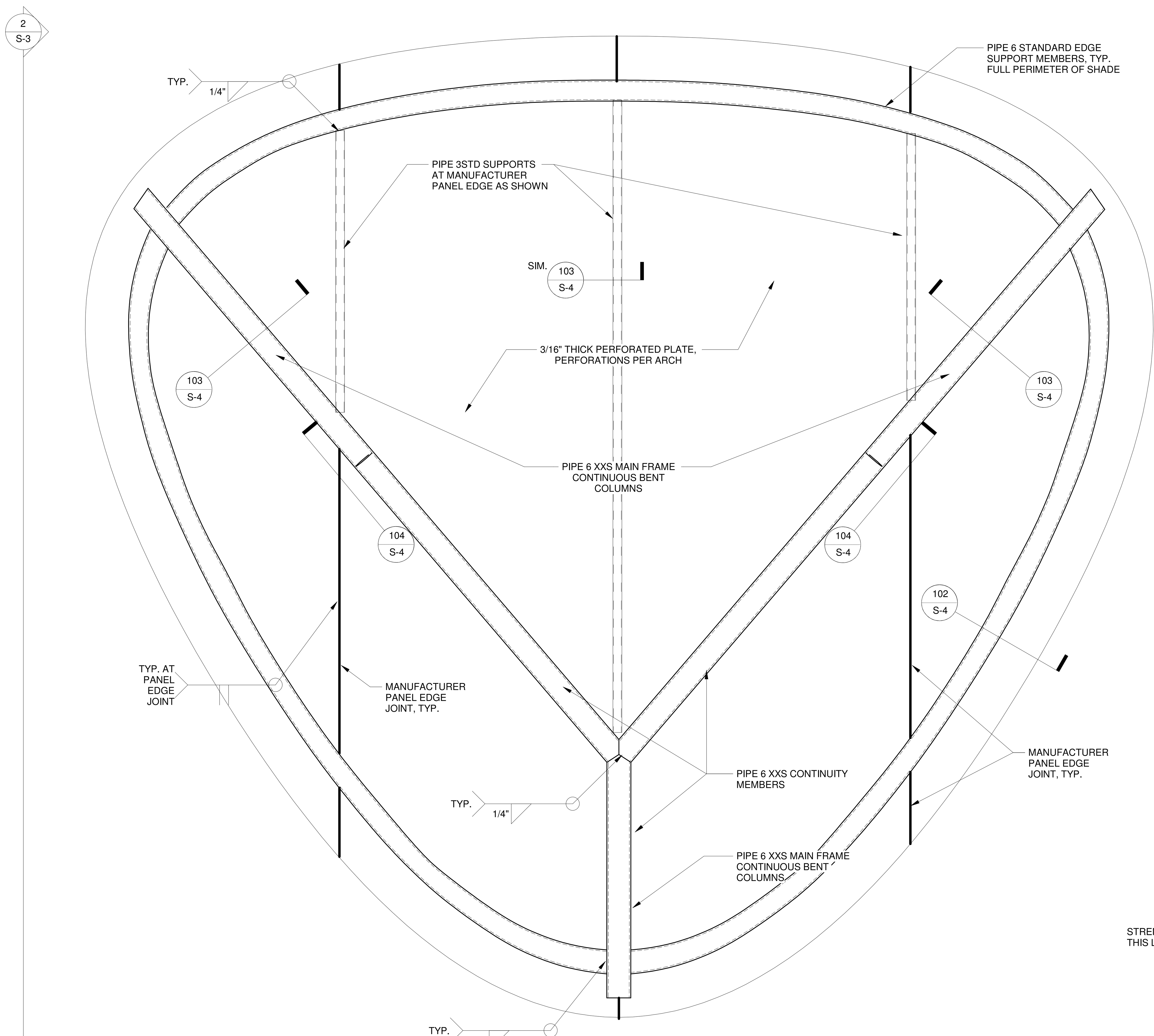
OVERALL PLANS

SHEET NUMBER

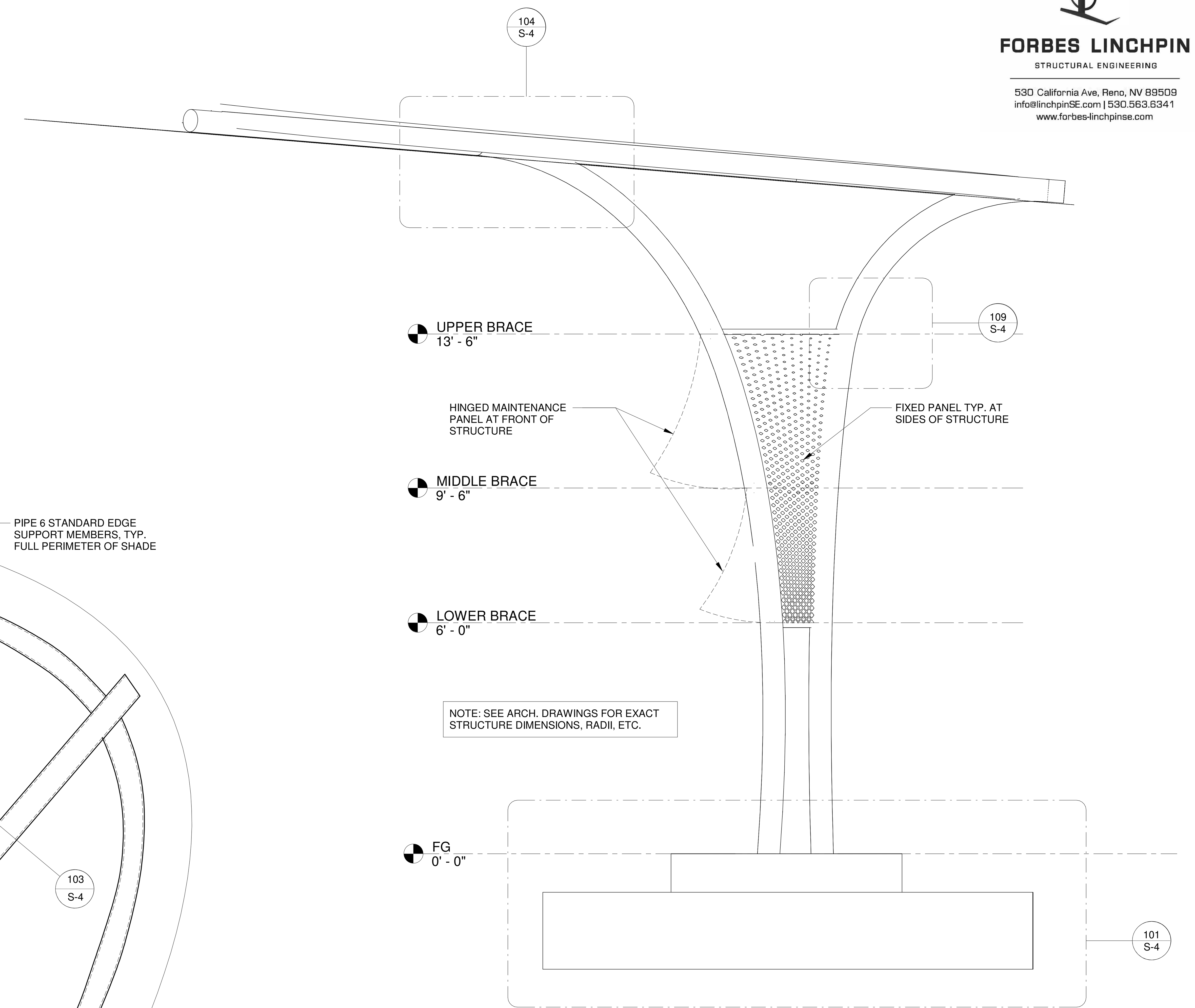
S-2



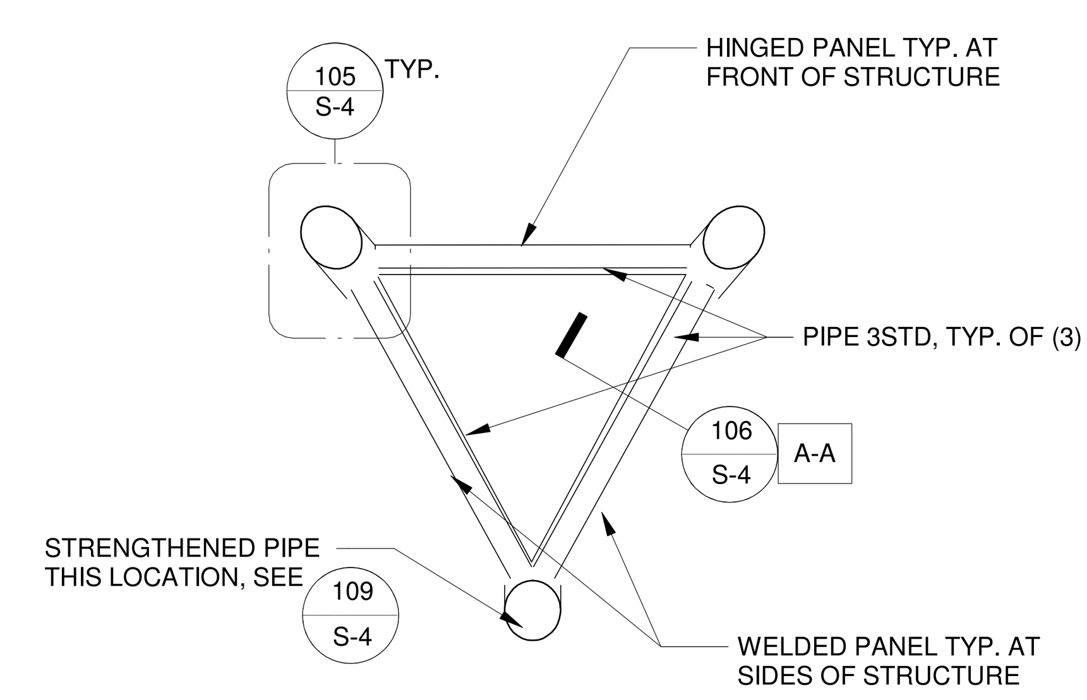
SHADE STRUCTURE ISO



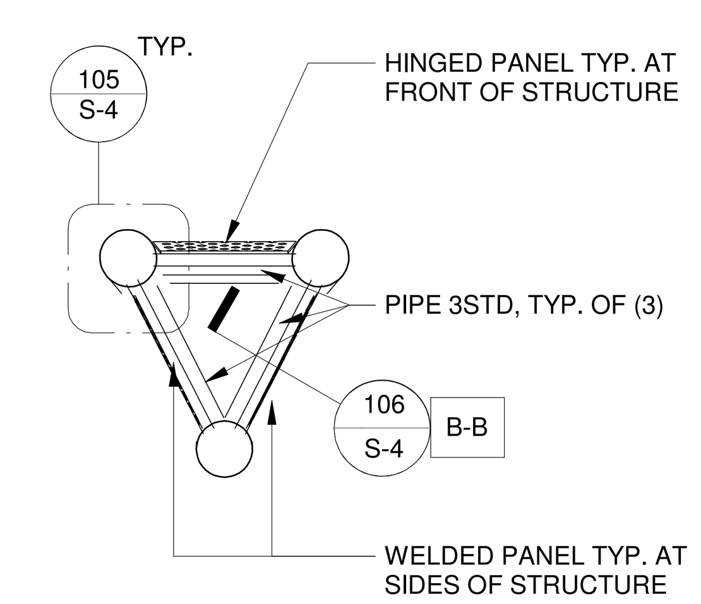
1 SHADE STRUCTURE PLAN VIEW
1/2" = 1'-0"



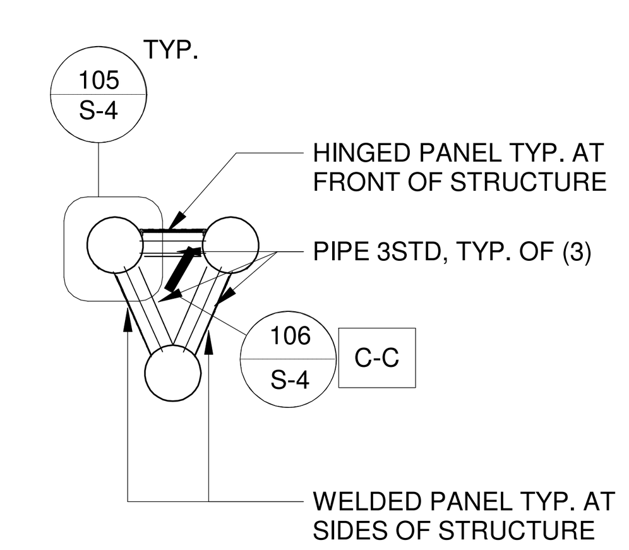
2 SHADE STRUCTURE ELEVATION
1/2" = 1'-0"



3 UPPER BRACE
1/2" = 1'-0"



4 MIDDLE BRACE
1/2" = 1'-0"



5 LOWER BRACE
1/2" = 1'-0"

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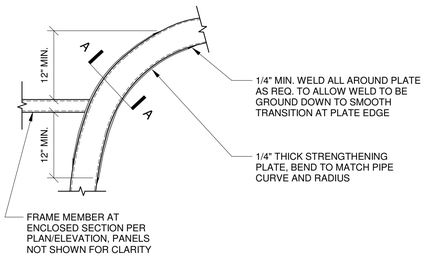
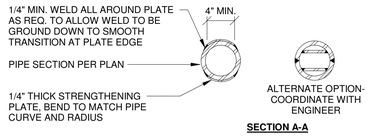
SHADE STRUCTURE PLAN/SECTIONS

SHEET NUMBER
S-3

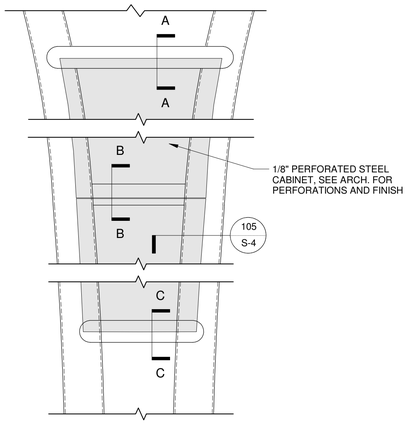




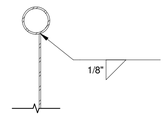
SECTION A-A

SCALE: 1" = 1'-0"

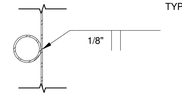
REINFORCED PIPE WALL | 109



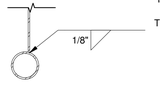
AT WELDED CONDITION (TYP. UNO):



SECTION A-A

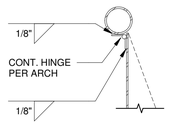


SECTION B-B

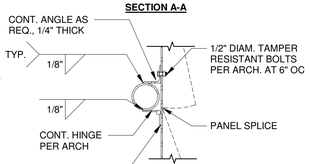


SECTION C-C

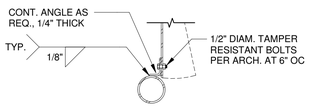
AT HINGED PANEL CONDITION:



SECTION A-A



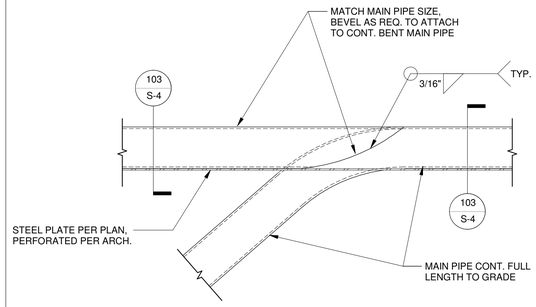
SECTION B-B



SECTION C-C

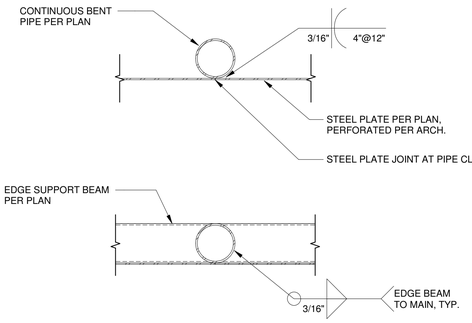
SCALE: 1" = 1'-0"

FRAME AT PERF. PANEL | 106



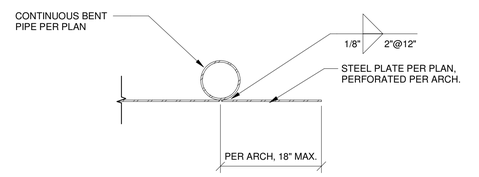
SCALE: 1" = 1'-0"

MAIN PIPE TO BELOW PLATE | 104



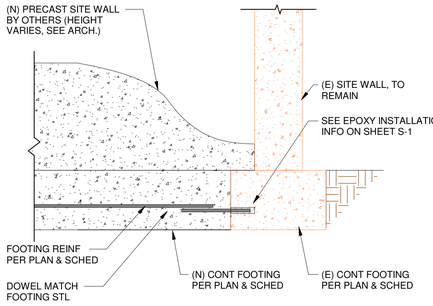
SCALE: 1" = 1'-0"

MAIN PIPE TO PLATE AT SEAM | 103



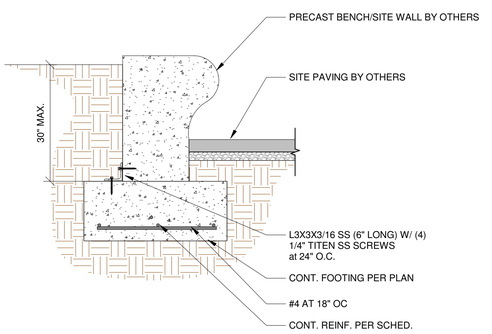
SCALE: 1" = 1'-0"

EDGE SUPPORT PIPE TO PLATE | 102



SCALE: 1" = 1'-0"

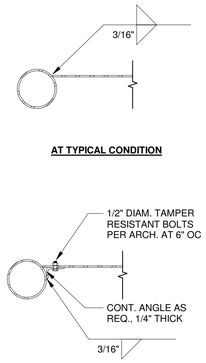
NEW FOOTING DOWEL INTO (E) FOOTING | 108



NOTE: WHERE SHADE STRUCTURE FOOTING CONFLICTS W/ WALL FOOTING, CONSTRUCT SHADE STRUCTURE FOOTING FULLY AND CONTINUE CONT. FOOTING REINF. THROUGH. PRECAST WALL MAY BE ATTACHED TO SHADE STRUCTURE FOOTING AS REQ.

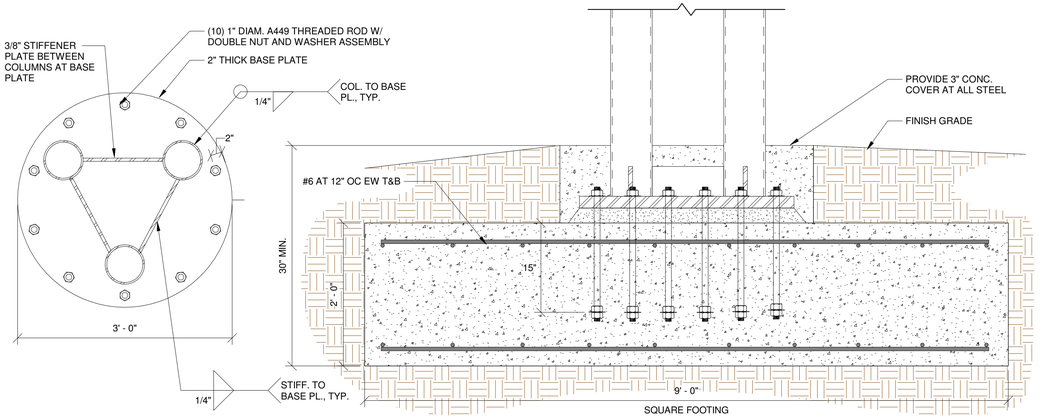
SCALE: 1" = 1'-0"

SITE WALL/BENCH FOOTING | 107



SCALE: 1" = 1'-0"

PERF. PANEL TO MAIN FRAME | 105



SCALE: 1" = 1'-0"

BASE PLATE AND ANCHORAGE | 101

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THE CITY OF SPARKS

SPARKS, NV

9-21-22

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: REVIEWED:

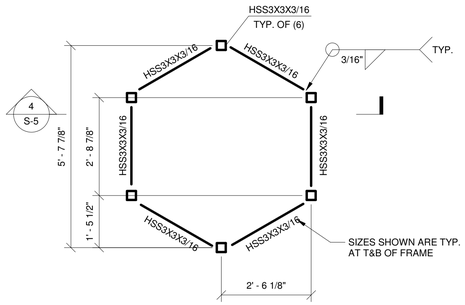
100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

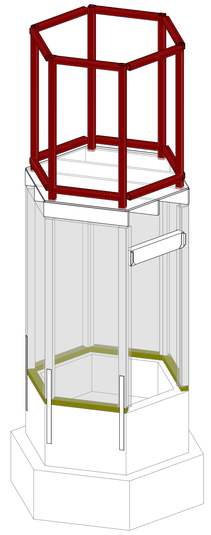
SHADE STRUCTURE DETAILS

SHEET NUMBER

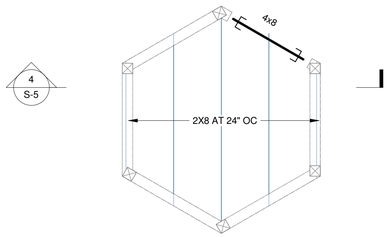
S-4



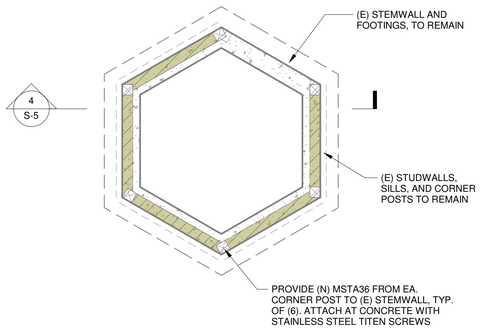
3 MOUNTING FRAME PLAN
1/2" = 1'-0"



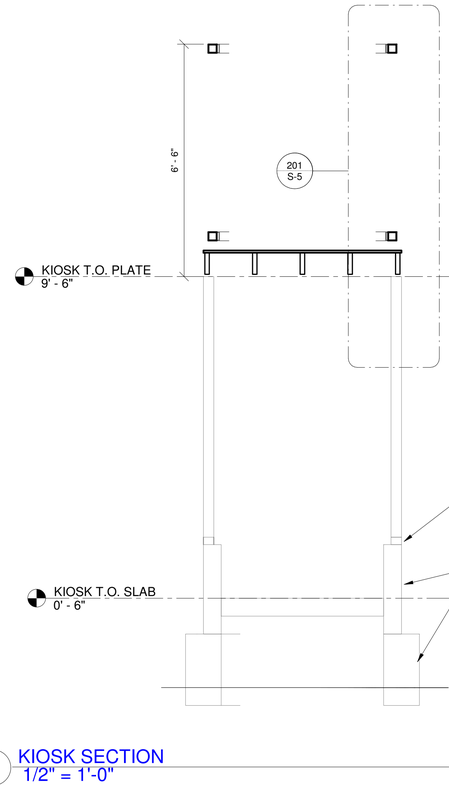
KIOSK ISO



2 KIOSK ROOF FRAMING PLAN
1/2" = 1'-0"



1 KIOSK FOUNDATION PLAN
1/2" = 1'-0"



4 KIOSK SECTION
1/2" = 1'-0"

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ROOF FRAMING NOTES

1) ROOF SHEATHING TO BE 5/8" APA RATED 40/20 W/ 10d (0.148 SHANK DIAMETER) at 6" O.C. BOUNDARY & EDGES AND 12" O.C. FIELD (UNO).

2) ALL BEARING/PERIMETER WALLS - UPPER TOP PLATES TO BE SPLICED 48" MINIMUM AWAY FROM LOWER TOP PLATE SPLICES W/ (12) 16d AT LAP PROVIDE MST37 AT ANY PLATE DISCONTINUITIES (UNO).

3) SEE ADDITIONAL REQUIREMENTS IN STRUCTURAL SPECIFICATIONS SHEET S-001.

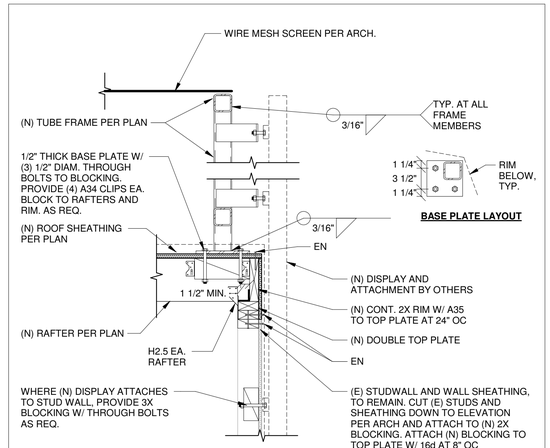
4) ROOF SHEATHING: IN ADDITION TO THE NAILING REQUIREMENTS IN THE WOOD FRAMING SECTION ON SHEET S-001, AND THE SHEAR PLAN, PROVIDE 4" O.C. EDGE NAILING & 6" O.C. FIELD NAILING WHEN WITHIN 5' OF GABLE FASCIA LINES, AND PROVIDE 6" O.C. FIELD NAILING WHEN WITHIN 4' OF RIDGES OR EAVES.

FRAMING LEGEND

- WALLS BELOW FRAMING
- WALLS ABOVE FRAMING
- STEEL BEAM OR RAFTER
- CONCEALED BEAM OR HEADER
- RAFTER

POST , TRIMMER OR COLUMN

- MEMBER SIZE
- MEMBER TYPE: T - TRIMMER, K - KINGSTUD, P - POST
- 6x6 T/K/P OC / -
- ADDITIONAL HARDWARE AT BOTTOM WHERE OCCURS(AT BCO ATTACH TO SILL)
- HARDWARE AT TOP
- POST BELOW FRAMING
- DISCONTINUOUS POST ABV FRAMING



SCALE: 1" = 1'-0"

HSS FRAME TO ROOF | 201

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MICHAEL J. MCKLIN
Exp: 12.31.23
CIVIL
No. 18139

9-21-22

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: REVIEWED:

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

KIOSK PLAN AND DETAILS

SHEET NUMBER

S-5

DRAWING SCHEDULE

SHEET	DESCRIPTION	
E0.1	ELECTRICAL LEGEND & DRAWING SCHEDULE	●
E0.2	PARTIAL ONELINE DIAGRAM	●
E0.3	FIXTURE SCHEDULE, LIGHTING CONTROL DIAGRAMS	●
E0.4	DETAILS & IECC CALCULATIONS	●
E1.0	PHOTOMETRIC CALCULATIONS	●
E1.1	ELECTRICAL DEMOLITION PLANS	●
E1.2	LIGHTING PLANS	●
E1.3	POWER PLANS	●
	TOTAL SHEETS IN ISSUE:	8

ELECTRICAL LEGEND

- PANELBOARD: SURFACE MOUNTED
- PANELBOARD: FLUSH MOUNTED
- SWITCHBOARD OR DISTRIBUTION PANEL
- XF TRANSFORMER
- PULLBOX / VAULT
- MOTOR STARTER
- COMBINATION MOTOR STARTER
- COMBINATION MOTOR STARTER PROVIDED BY OTHERS
- F DISCONNECT SWITCH - FUSIBLE (FUSED PER EQUIP. NAMEPLATE)
- N DISCONNECT SWITCH - NON-FUSIBLE
- DISCONNECT SWITCH PROVIDED BY OTHERS
- VARIABLE FREQUENCY DRIVE
- VARIABLE FREQUENCY DRIVE PROVIDED BY OTHERS
- CB ENCLOSED CIRCUIT BREAKER
- GROUND ROD
- SHUNT TRIP STATION OR EMERGENCY PUSHBUTTON
- M REMOTE METER

NOTES: ALL LIGHTING CONTROL ZONES ARE SHOWN WITH A LOWER CASE LETTER IN THE ZONE DESIGNATION

- S SINGLE POLE SWITCH 48" AFF
- S_3 THREE WAY SWITCH 48" AFF
- S_4 FOUR WAY SWITCH 48" AFF
- S_K KEY OPERATED SWITCH 48"
- S_M MANUAL MOTOR STARTER
- D DIMMER OPERATED SWITCH 48" AFF
- OCCUPANCY SENSOR - WALL MOUNTED 48" AFF
- D 0-10V DIMMING OCCUPANCY SENSOR - WALL MOUNTED 48" AFF - EQUAL TO SENSOR SWITCH WSX-D
- CONTROL STATION
- CONTACTOR OR RELAY
- PC PHOTOELECTRIC CELL (ON ROOF FACING NORTH UNO)
- TC TIMECLOCK

- CONDUIT/RACEWAY IN WALL OR ABOVE CEILING
- CONDUIT/RACEWAY BELOW GRADE OR BELOW FLOOR
- BREAK OR RUN CONTINUES
- —OH— OVERHEAD SERVICE
- — P — PRIMARY
- — S — SECONDARY
- — C — COMMUNICATIONS OR SIGNAL
- — T — TELEPHONE
- —TV— TELEVISION
- — • — LOW VOLTAGE AND/OR CONTROL WIRING
- -✳-✳- EMERGENCY CIRCUIT
- CONDUIT/RACEWAY STUB OUT: MARK AND CAP (SITE)
- CONDUIT/RACEWAY SLEEVE

20	SINGLE POLE CIRCUIT BREAKER
20/2	TWO POLE CIRCUIT BREAKER
20/3	THREE POLE CIRCUIT BREAKER
20A	ARC FAULT CIRCUIT BREAKER
20C	CONTROLLABLE CIRCUIT BREAKER
20G	GFI CIRCUIT BREAKER

E = EQUIPMENT
H = ELECTRIC HEAT
K = KITCHEN EQUIP
L = LIGHTING
M = MOTOR
MI = LARGEST MOTOR
R = RECEPTACLES

- SINGLE RECEPTACLE: 20A, 125V, NEMA 5-20, +18" AFF
- DUPLEX RECEPTACLE: 20A, 125V, NEMA 5-20, +18" AFF
- DUPLEX RECEPTACLE: HALF SWITCHED, +18" AFF
- DUPLEX RECEPTACLE GFI TYPE - 20A, 125V, NEMA 5-20 GFI +18" AFF
- QUAD RECEPTACLE: 20A, 125V, NEMA 5-20, +18" AFF
- ISOLATED GROUND TYPE RECEPTACLE (ORANGE TRIANGLE), 20A, 125V, NEMA 5-20IG, +18" AFF
- COMBO DUAL USB CHARGER / DUPLEX RECEPTACLE, 5.1A, (1) TYPE A & (1) TYPE C USB (3.1, 3.0, 2.0 AND 1.1 COMPATIBLE), 20A, 125V, NEMA 5-20R, +18AFF
- QUAD USB CHARGER, 5.1A, (2) TYPE A & (2) TYPE C USB (3.1, 3.0, 2.0 AND 1.1 COMPATIBLE), +18AFF
- SPECIAL PURPOSE RECEPTACLE: SEE DWGS FOR NEMA CONFIGURATION
- DUPLEX RECEPTACLE: FLOOR MOUNTED
- QUAD RECEPTACLE: FLOOR MOUNTED
- DUPLEX RECEPTACLE: CEILING MOUNTED
- QUAD RECEPTACLE: CEILING MOUNTED
- BLANK GFCI PROTECTIVE DEVICE IN READILY ACCESSIBLE LOCATION (LABEL PROTECTED DEVICES)
- DUPLEX "CLOCK" RECEPTACLE: 125V, NEMA 5-20R, +60" AFF
- X" DEVICE MOUNTED AT NON-STANDARD HEIGHT. IF NO HEIGHT SHOWN VERIFY HEIGHT WITH ARCHITECT
- MULTI-OUTLET ASSEMBLY: SPACING PER DWGS

- DATA / VOICE OUTLET: 18" AFF - 1 VOICE, 1 DATA JACK, 2 BLANKS
- DATA / VOICE OUTLET: FLOOR MOUNTED
- MULTI-OUTLET ASSEMBLY: SPACING PER DWGS
- TELEPHONE OUTLET: 18" AFF
- DATA OUTLET: 18" AFF
- DEVICE MOUNTED AT NON-STANDARD HEIGHT. IF NO HEIGHT SHOWN VERIFY HEIGHT WITH ARCHITECT
- S SPEAKER
- TV TELEVISION OUTLET: 18" AFF (UNO)
- TELEPHONE TERMINAL BOARD (TTB)
- VC VOLUME CONTROL
- GROUNDING BAR

* FIXTURE SCHEDULE HAS PRECEDENCE *

- LENSED TROFFER
- VOLUMETRIC TROFFER
- FLANGED TROFFER
- SURFACE MOUNT TROFFER
- STRIP FIXTURE
- DOWNLIGHT
- WALL PACK
- POLE MOUNT
- EMERGENCY LIGHTING UNIT
- EXIT SIGN FIXTURE - SHADED AREA DENOTES LIGHTED FACE - ARROWS INDICATE DIRECTION
- SHADING INDICATES EGRESS FIXTURE

- T THERMOSTAT (PROVIDED BY MECH. CONTRACTOR UNO)
- J JUNCTION BOX (SIZE AS REQUIRED UNO)
- 3 SHEET NOTE DESIGNATION
- F1 FIXTURE DESIGNATION: F1=TYPE (SEE FIXTURE SCH.)
- 3 REVISION DELTA: NUMBER REPRESENTS REVISION
- 1253 FEEDER DESIGNATION
- AHU 2 EQUIPMENT CONNECTION

- GFI GROUND FAULT INTERRUPTER DEVICE
- M METERING DEVICE
- RM REMOTE METER
- ST SHUNT TRIP DEVICE
- TRANSFORMER
- CURRENT TRANSFORMER
- G GENERATOR
- # MOTOR - # INDICATES HP
- INTERRUPTER SWITCH
- GFI GROUND FAULT RELAY W/ CT OR SENSOR
- FUSE
- CIRCUIT BREAKER
- DRAWOUT CIRCUIT BREAKER
- TRANSFER SWITCH (A=AUTOMATIC, M=MANUAL) # FOR POLES 2, 3 OR 4
- SPD SURGE PROTECTION DEVICE

- NORMALLY OPEN (NO) CONTACT
- NORMALLY CLOSED (NC) CONTACT
- C COIL - VOLTAGE PER CONTROL DIAGRAMS
- X PILOT LIGHT (LED) PUSH-TO-TEST, LETTER INDICATES COLOR (R=RED, G=GREEN, A=AMBER, Y=YELLOW)
- X PILOT LIGHT (LED) NON PUSH-TO-TEST
- THERMAL OVERLOAD
- MAGNETIC OVERLOAD
- PUSH BUTTON NORMALLY OPEN (NO)
- PUSH BUTTON NORMALLY CLOSED (NC)
- O H A HAND-OFF-AUTO (HOA) SELECTOR SWITCH
- LIMIT SWITCH NORMALLY OPEN (NO)
- LIMIT SWITCH NORMALLY CLOSED (NC)
- R PUSH BUTTON ILLUMINATED (LED)

TICS = NO. OF #12 WIRES (UNO) IF MORE THAN TWO WITHIN RACEWAY. GROUNDING CONDUCTOR (NOT SHOWN) ALWAYS REQUIRED.

- ISOLATED GROUNDING CONDUCTOR
- NEUTRAL CONDUCTOR
- PHASE CONDUCTOR(S)

BRANCH CIRCUIT (WHEN TIC MARKS ARE NOT SHOWN) = (1) PHASE, (1) NEUTRAL AND (1) GROUNDING CONDUCTOR

HOMERUN TO PANELBOARD OR DEVICE

HA-(1,3,5,3N)3G HOMERUN CIRCUIT DESIGNATION

- GROUNDING CONDUCTOR
- NEUTRAL CONDUCTOR (N=1, 2N=2 NEUTRALS, 3N=3 NEUTRALS)
- PHASE CONDUCTOR(S)
- PANELBOARD DESIGNATION

HA-(1,3,5)3G HOMERUN CIRCUIT DESIGNATION (3 PHASE CIRCUIT SHOWN)

- GROUNDING CONDUCTOR
- PHASE CONDUCTOR(S)
- PANELBOARD DESIGNATION

A	AMPS
ADA	AMERICANS WITH DISABILITIES ACT
AFC	ABOVE FINISHED CEILING
AFCI	ARC-FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMP INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BKR	BREAKER
C	CONDUIT/RACEWAY
CEC	CALIFORNIA ENERGY COMMISSION
CKT	CIRCUIT
CLG	CEILING
CO	CONDUIT/RACEWAY ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
DB	DISTRIBUTION BOARD
DDC	DIRECT DIGITAL CONTROLLER
DPDT	DOUBLE-POLE, DOUBLE-THROW
DPST	DOUBLE-POLE, SINGLE-THROW
DWG	DRAWING
(E)	EXISTING TO REMAIN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
(F)	FUTURE
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT (STEEL)
FPEN	FUSE PER EQUIP. NAMEPLATE
GFI	GROUND FAULT INTERRUPT
GFR	GROUND FAULT RELAY
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HSKP	HOUSEKEEPING
IMC	INTERMEDIATE METAL CONDUIT
J-BOX	JUNCTION BOX
K	kcmil (BOOK = 300 kcmil)
KVA	KILOVOLT AMPS
KW	KILOWATT
LTG	LIGHTING
IG	ISOLATED GROUND
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MFG	MANUFACTURER
MLO	MAIN LUGS ONLY
MS	MOTOR STARTER
MSB	MAIN SWITCHBOARD
MTS	MANUAL TRANSFER SWITCH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHTLIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NVE	NV ENERGY
P	POLE
PH#	PHASE
PV	PHOTOVOLTAIC
PNL	PANEL
PTC	PV USA TEST CONDITIONS
PWR	POWER
(R)	RELOCATE/RELOCATED
(RR)	REMOVE AND REPLACE
RAC	RIGID ALUMINUM CONDUIT
RFC	RIGID FIBERGLASS CONDUIT
RSC	RIGID STEEL CONDUIT
SE	SERVICE ENTRANCE
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE-POLE, DOUBLE-THROW
SPST	SINGLE-POLE, SINGLE-THROW
STC	STANDARD TEST CONDITIONS
SW	SWITCH
TE	TELECOM
TTB	TELEPHONE TERMINATION BOARD
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UNSW	UNSWITCHED
UPS	UNINTERRUPTED POWER SUPPLY
V	VOLTS
VA	VOLT AMPS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHER PROOF
(X)	EXISTING TO BE REMOVED
XFMR OR XF	TRANSFORMER

NOTE: THIS IS A MASTER SYMBOL LIST. IT MAY BE THAT NOT ALL SYMBOLS SHOWN ARE USED WITHIN THIS SET OF PLANS. HEIGHTS GIVEN ARE TO TOP OF BOX.

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THE CITY OF SPARKS, NV

PROFESSIONAL ENGINEER - STATE OF NEVADA - KAREN D. PURCELL - EXP: 12/31/23 - ELECTRICAL - No 11515 - 09/21/2022

ISSUE DATE: 09/21/2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: REVIEWED:

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

ELECTRICAL LEGEND & DRAWING SCHEDULE

SHEET NUMBER

E0.1

PK Electrical, Inc.
Engineering · Design · Consulting
681 Sierra Rose Drive, Suite B | Reno, NV 89511 | 775.826.9010
4601 DTC Boulevard, Suite 740 | Denver, CO 80237 | 720.481.3290
pkelectrical.com
22028

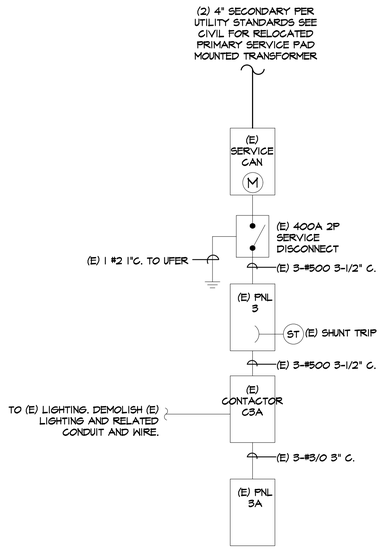
Sep 21, 2022 - 9:23am
K:\2022\22028 - Sparks Pkwy\22028-E0.1.dwg

					PANEL:	(E) 3					LOCATION:		KIOSK
TYPE	DESCRIPTION	LOAD	BKR	CIR	A	B	CIR	BKR	LOAD	DESCRIPTION	TYPE
M1	**CONDITIONED ENCLOSURE**	**840**	20	1	4440		2	50/2	**3600**	**[1] RECEPTACLE**	E
E	**LIGHTING CONTROL PNL**	**100**	20	3		3700	4	X	**3600**	**X**	E
L	**TYPE L3**	**960**	20	5	4560		6	50/2	**3600**	**[1] RECEPTACLE**	E
L	**TYPE L3**	**1274**	20	7		4874	8	X	**3600**	**X**	E
L	**TYPE L3**	**798**	20	9	4398		10	50/2	**3600**	**[1] RECEPTACLE**	E
E	(E) POLICE CAMERA	200	20	11		3800	12	X	**3600**	**X**	E
L	**TYPE L4**	**64**	20	13	64		14	50/2		SPARE	
L	**TYPE L6**	**182**	20	15		182	16	X		X	
L	**TYPE L5**	**240**	20	17	240		18	50/2		SPARE	
	(E) SPARE		20	19		0	20	X		X	
L	**SHADE STRUCTURE LTG**	**1563**	20	21	1563		22	50/2		SPARE	
	(E) SPARE		20	23		0	24	X		X	
	(E) SPARE		30	25	0		26	50/2		SPARE	
	X		X	27		0	28	X		X	
	(E) SPARE		20	29	0		30	50/2		SPARE	
	X		20	31		0	32	X		X	
	(E) SPARE		20	33	0		34	20		(E)	
	X		20	35		0	36	20		(E)	
	(E) SPACE		20	37	0		38	20		(E) SPACE	
	(E) SPACE		20	39		9600	40	200/2	9600	(E) PANEL 3A	E
	(E) SPARE		20	41	8900		42	X	8900	X	E
					24165	22356					

COPPER BUS SIZE:	400	**GROUND:**	STANDARD		**NOTES:**
VOLTAGE:	240	**MOUNTING:**	SURFACE		1) [1] PROVIDE WITH GFCI PROTECTION FOR PERSONEL
PHASE:	1	**ENCLOSURE:**	NEMA 1		2) EXISTING LOADS ARE ESTIMATED
WIRE:	2	**# OF 1-POLE CIRCUITS**	42		3) NEW LOADS ARE SHOWN IN BOLD.
LUGS:	MCB	**CONNECTED KVA:**		46.5	
BREAKER AIC RATING:	(E)	**CONNECTED AMPS:**		193.8	
NEUTRAL:	100%	**NET KVA:**		46.7	
FEEDER OCPD SIZE:	SERVICE	**NET AMPS:**		194.7	

					PANEL:	(E) 3A					LOCATION:		KIOSK
TYPE	DESCRIPTION	LOAD	BKR	CIR	A	B	CIR	BKR	LOAD	DESCRIPTION	TYPE
L	(E) LIGHTING	1000	20	1	1000		2	20		SPARE	
R	(E) RECEPTACLES	500	20	3		500	4	X		SPARE	
	SPARE		20	5	0		6	20		SPARE	
R	**SITE RECEPTACLES**	**900**	20	7		900	8	X		SPARE	
R	**SITE RECEPTACLES**	**900**	20	9	900		10	20		SPARE	
	SPARE		20	11		0	12	X		SPARE	
	SPARE		20	13	1000		14	20	1000	(E) LIGHTS	L
	SPARE		20	15		1000	16	X	1000	(E) LIGHTS	L
	SPARE		20	17	1000		18	20	1000	(E) LIGHTS	L
L	(E) POST 51	1000	20	19		2000	20	X	1000	(E) LIGHTS	L
L	(E) POST 53	1000	20	21	2000		22	20	1000	(E) LIGHTS	L
L	(E) 56, 57, TEL BUS	1000	20	23		2000	24	X	1000	(E) LIGHTS	L
L	(E) 58, 59, 60	1000	20	25	1000		26	20		SPARE	
L	(E) 61, 62, 63	1000	20	27		1000	28	X		SPARE	
L	(E) TRELLIS	1200	20	29	2200		30	20	1000	(E) LIGHTS	L
	(E) SPARE		20	31		1000	32	X	1000	(E) LIGHTS	L
	(E) SPARE		20	33	0		34	20		(E) SPACE	
	(E) SPARE		20	35		0	36	20		(E) SPACE	
L	(E) B1	500	20	37	500		38	20		(E) SPACE	
L	(E) B1	500	20	39		500	40	20		(E) SPACE	
R	(E) KIOSK	200	20	41	200		42	20		(E) SPACE	
					9800	8900					

COPPER BUS SIZE:	200	**GROUND:**	STANDARD		**NOTES:**
VOLTAGE:	240	**MOUNTING:**	SURFACE		1) EXISTING LOADS SHOWN ARE ESTIMATED.
PHASE:	1	**ENCLOSURE:**	NEMA 1		2) NEW LOADS ARE SHOWN IN BOLD.
WIRE:	2	**# OF 1-POLE CIRCUITS**	42		
LUGS:	MCB	**CONNECTED KVA:**		18.7	
BREAKER AIC RATING:	(E)	**CONNECTED AMPS:**		77.9	
NEUTRAL:	100%	**NET KVA:**		18.7	
FEEDER OCPD SIZE:	200	**NET AMPS:**		77.9	



A
E0.2
PARTIAL ONELINE DIAGRAM
SCALE: NONE

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KAREN D. PURCELL
EXP: 12/31/23
ELECTRICAL
No 11515
09/21/2022

ISSUE DATE: 09/21/2022

REVISIONS

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100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

PARTIAL ONELINE DIAGRAM

SHEET NUMBER
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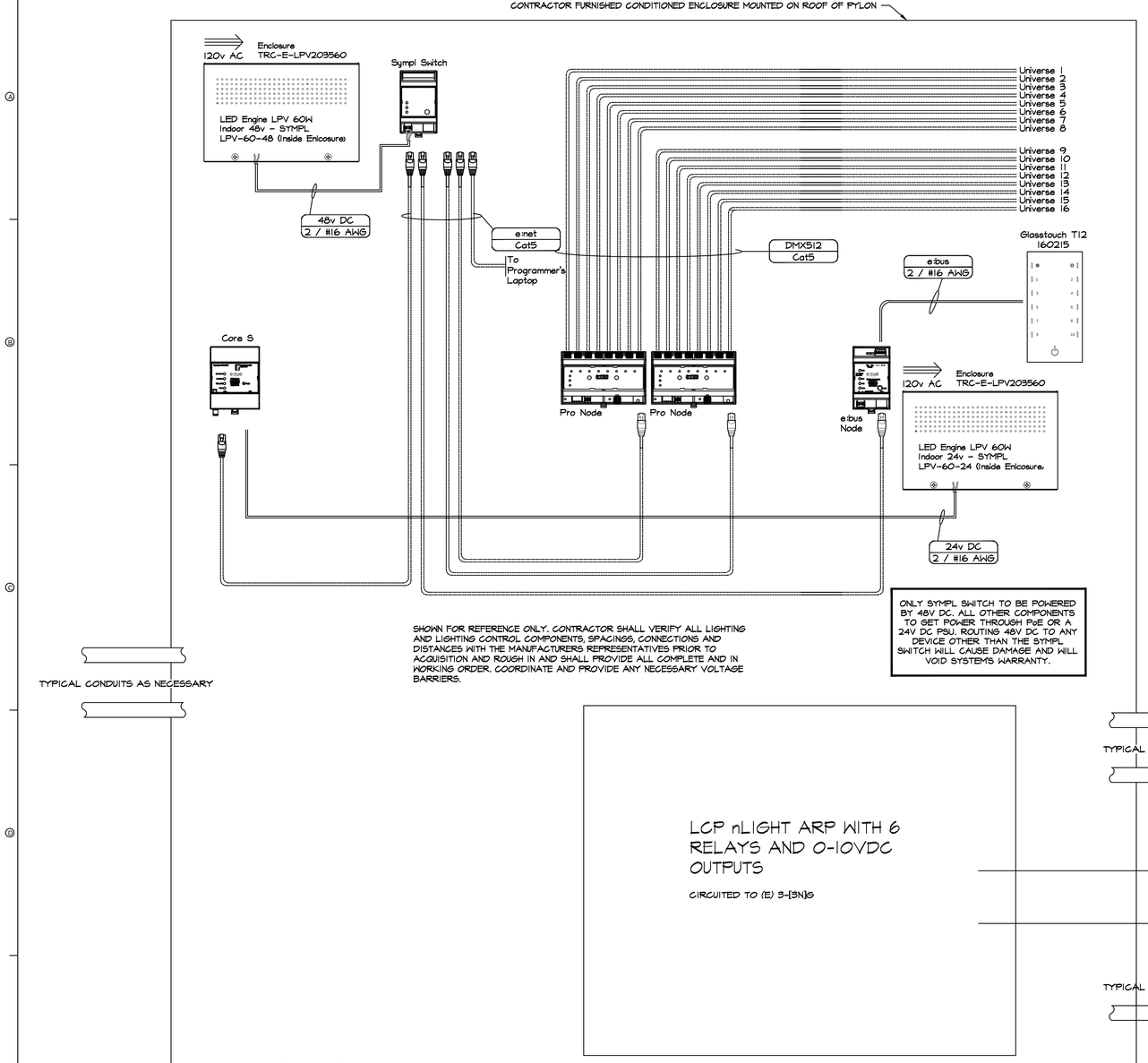

LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE TRIMS, BALLASTS, MOUNTING EQUIPMENT, FITTINGS AND LAMPS AS REQUIRED BY THE SPECIFICATIONS AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION. THIS IS NOT A STANDALONE SCHEDULE AND FIXTURES MUST INCORPORATE ALL WORK INDICATED OR IMPLIED THROUGHOUT THE DRAWINGS AND SPECIFICATIONS.

CONTRACTOR SHALL REFER TO AND SHALL INCLUDE ALL DIRECTION SHOWN AND IMPLIED ON THE LIGHTING DESIGN SHEETS.

SUBSTITUTION: DEFINITIONS

- ◉ OR EQUAL = EQUAL OR SUPERIOR TO SPECIFIED IN ALL RESPECTS WILL BE ALLOWED. ENGINEER'S PRE-BID APPROVAL IS NOT REQUIRED. PROPOSED EQUAL FIXTURES ARE SUBJECT TO REVIEW DURING THE STANDARD SUBMITTAL PROCESS.
- ◉ NO EQUAL = PROVIDE SPECIFIED FIXTURE. SUBSTITUTIONS ARE NOT ALLOWED.
- ◉ SUBJECT TO REVIEW = EQUAL OR SUPERIOR TO SPECIFIED IN ALL RESPECTS MAY BE ALLOWED ONLY WITH ENGINEER'S APPROVAL. ALL SUBSTITUTIONS MUST BE SUBMITTED AS REQUIRED BY SPECIFICATIONS AND ACCOMPANIED WITH POINT BY POINT LIGHTING CALCULATIONS. DETERMINATION OF EQUAL IS ENGINEER'S SOLE DISCRETION.

TYPE	SYMBOL	DESCRIPTION AND MANUFACTURER (SEE ALSO LIGHTING DESIGNERS FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION)
L1 25	◯	HIGH BRIGHTNESS SINGLE PIXEL LED. DMX 512 DAISY CHAIN CONTROL. RGBW. CLEAR LENS WITH 100 DEGREE BEAM SPREAD. IP66. TWO INTEGRAL WHIPS, ONE FOR POWER THE OTHER FOR CONTROL OR AS RECOMMENDED BY MANUFACTURER. LAMP: LED, RGBW, 632 LUMENS. VOLTAGE: 120 MANUFACTURER: OSRAM TRAXON PROPOINT PIXEL SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L2 100	○	LINE POWERED HIGH BRIGHTNESS, RGBW, DMX 512 CONTROL. TEMPERED GLASS COVER. 10 DEGREE BEAM. ALUMINUM HOUSING. IP66. LAMP: LED, RGBW, 4504 LUMENS. VOLTAGE: 120 MANUFACTURER: OSRAM TRAXON AL WASHER AC 50 RGBW 10 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L3 4.4/FT	▮	FLEXIBLE NEON STRIP. DMX 512 CONTROL. HORIZONTAL AND VERTICAL BENDING. 120 DEGREE BEAM ANGLE. IP67. WITH REMOTE POWER SUPPLIES PER 20' RUN. PROVIDE COMPLETE WITH ALL CABLES, CONNECTORS, AND STAINLESS STEEL FLEXIBLE MOUNTING STRIP. COORDINATE CONTROL WITH AND PROVIDE PER MANUFACTURERS INSTRUCTION. LAMP: LED, RGBW, 64 LUMENS/FT VOLTAGE: 120 @POWER SUPPLY MANUFACTURER: OSRAM TRAXON MEDIA PIXEL RIBBON RGBW HB OUTDOOR SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L4 8	⊓	LED SHADE CANOPY MOUNTED ADJUSTABLE DOWNLIGHT SUITABLE FOR EXTERIOR LOCATIONS. WIDE FLOOD DISTRIBUTION, STRAIGHT GLARE SHIELD AND SOFT FOCUS LENS. DIMMABLE LAMP: LED, 3000K, 90+ CRI VOLTAGE: 120 @POWER SUPPLY MANUFACTURER: HEVI LITE HL 418 CUSTOM COLOR BY ARCHITECT 30 WFL H-POD-LED-2X. REMOTE DRIVER HL-RD-L 0-10 SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L5 20	○	LED INGRADE UPLIGHT WITH FLUSH MOUNTED FACEPLATE, INTEGRAL DRIVER, ALUMINUM FINISH. 360 DEGREE ROTATION AND 15 DEGREE VERTICAL ROTATION, 35 DEGREE FLOOD DISTRIBUTION WITH HONEYCOMB BAFFLE. DIMMABLE. LAMP: LED, 1750 LUMENS VOLTAGE: 120 @POWER SUPPLY MANUFACTURER: BK HP2 LED TR X62 FL BLP 11 010 MT(SEE LIGHTING DESIGN AND ARCHITECT FOR ADDITIONAL INFORMATION). SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L6 12	○	LED STAKE MOUNTED UPLIGHT WITH 45 DEGREE SHIELD, ALUMINUM MATERIAL, HONEYCOMB LOUVER, FLOOD 36 DEGREE OPTIC, SUITABLE FOR EXTERIOR USE. POWER PIPE ACCESSORY MOUNT WITH REMOTE DIMMABLE DRIVER. LAMP: LED, XXX LUMENS VOLTAGE: 120 @POWER SUPPLY MANUFACTURER: BK LIGHTING DE-LED-X54-FL-BLP-4-11-A-POWER PIPE-REMOTE DIMMABLE DRIVER *MANUFACTURER TO PROVIDE 90+ CRI LED SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL
L7 5W/FT	④	LED POSTER PANEL BACKLIGHT WITH EDGELIT CONFIGURATION AND 3D ETCHED PATTERNS TO EVENLY DISTRIBUTE LIGHT THROUGHOUT PANEL. EXTERIOR RATED WITH IP65 RATING, 0.4" THICK FRAME AROUND PERIMETER. HIGH OUTPUT, CUSTOM SIZE. (1) 96WATT IP66 0-10VDC DIMMING POWER SUPPLY MOUNTED TO DRIVER BOARD ON TOP OF PYLON PER POSTER PANEL. LAMP: LED, HIGH POWER. 90+CRI VOLTAGE: 24V, 120V @ 0-10VDC DIMMING POWER SUPPLY MANUFACTURER: EOS WP LF WP 24 (CONTRACTOR) 45L 3000 HP YES (CUSTOM) (BY CONTRACTOR) WG 010V SUBSTITUTIONS: ○ OR EQUAL ◉ SUBJECT TO REVIEW ○ NO EQUAL

LIGHTING SYSTEM FOOTCANDLE LEVELS ARE BASED ON THE UTILIZATION OF ASSUMED REFLECTANCES. THE SURFACES ARE USED AS AN INTEGRAL COMPONENT OF THE LIGHTING SYSTEMS. THE REFLECTANCE OF THE SURFACE PAINT COLOR, MATERIAL, AND OTHER SURFACES, DIRECTLY AFFECTS THE DELIVERY OF LIGHT TO THE WORK PLANE, A SIGNIFICANT DROP IN OVERALL LIGHTING LEVELS WILL OCCUR IF REFLECTANCES ARE LOWERED.

LIGHTING CONTROL CABINET DIAGRAM NOTES:

SEQUENCE OF OPERATION:

LCP IS nLIGHT ARP INTENCOB NLT WITH (8) EIGHT SINGLE POLE RELAYS. PROVIDE PHOTOCELL MOUNTED ON ROOF FACING NORTH OR AS PER MANUFACTURERS INSTRUCTIONS AND CONNECT TO LCP. ALSO PROVIDE DIGITAL ASTRONOMICAL TIMECLOCK CONTROL. TIMELOCK TO BE SET TO SHUT LIGHTING OFF AS PER OWNERS DIRECTION. PHOTOCELL SHALL PROHIBIT THE OPERATION OF LIGHTING WHEN SUFFICIENT DAYLIGHT IS PRESENT.

ALL DMX LIGHTING IS FULLY CONRTOLLABLE ON THE HEAD END SYSTEMS.

ALL 0-10VDC DIMMING IS DIMMED BY MANUAL CONTROLS PROVIDED AND LOCATED INSIDE THE PYLON BY THE CONTRACTOR.

TIME CLOCK SETTINGS IS AS PER DIRECTED BY THE OWNER AND LIGHTING DESIGN. REFER TO LIGHTING DESIGN INFORMATION.

CABINET COORDINATION:

CONTRACTOR SHALL LAYOUT ALL EQUIPMENT, CABLES, CONDUIT AND WIRE INSIDE AND OUTSIDE CONDITIONED ENCLOSURE AND SHALL ACCOMMODATE BEND RADIUS' AND ACCESS ETC., WITH THE EQUIPMENT MANUFACTURE(S) AND SHALL COORDINATE ALL EQUIPMENT AND CONDUITS, SIZING, PLACEMENT AND PYLON ROOF AND FOUNDATION PENETRATIONS COMPLETE AND ENCLOSURE IN ACCORDANCE WITH EQUIPMENT REQUIREMENTS AND MANUFACTURES RECOMMENDATIONS.

PROVIDE, CONNECT AND COORDINATE ALL EQUIPMENT INSIDE PYLON TO ACCOMMODATE CODE REQUIRED ACCESS AND EQUIPMENT DIMENSIONAL REQUIREMENTS. ALL SPACING INSIDE PYLON SHALL BE COORDINATED BY THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH CODE.

A / E0.3 PARTIAL LIGHTING CONTROL CABINET DIAGRAM

SCALE: NONE

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FIXTURE SCHEDULE & LIGHTING CONTROL DIAGRAMS

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COMcheck Software Version 4.1.5.3

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	
Project Type:	New Construction
Exterior Lighting Zone	4 (High activity metropolitan commercial district (LZ4))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
area (Plaza area)	10487 ft2	0.14	Yes	1468
			Total Tradable Watts (a) =	2628
			Total Allowed Watts =	2628
			Total Allowed Supplemental Watts (b) =	900

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 900 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

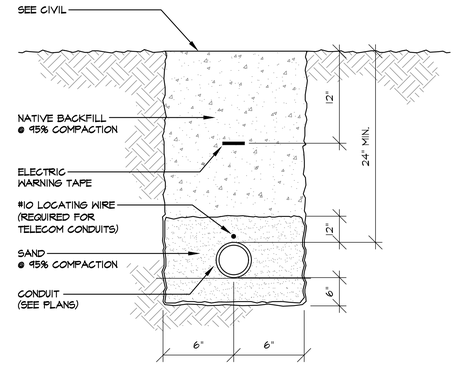
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
area (Plaza area 10487 ft2): Tradable Wattage				
LED 1: L1: SINGLE PIXEL: Other:	1	22	21	458
LED 1: L2: SHADE: Other:	1	11	45	495
LED 1: L3: LINEAR TAPE: Other:	1	314	4	1382
LED 4: L4: SPOT: Other:	1	8	8	64
LED 5: L5: IN-GRADE: Other:	1	6	12	72
LED 6: L6: IN-GRADE STAKE: Other:	1	12	20	240
area (Landscaping 4679 ft2): Tradable Wattage				
area (Walkway < 10 feet wide 1390 ft of walkway length): Tradable Wattage				
			Total Tradable Proposed Watts =	2710

Exterior Lighting PASSES: Design 23% better than code

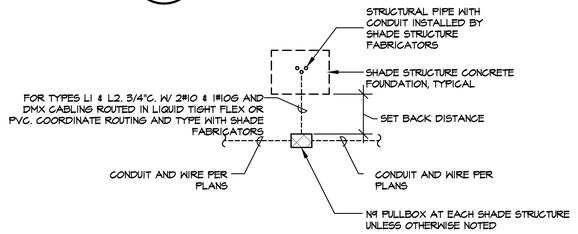
Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Karen Purcell, PE — Name - Title
Signature
9/21/2022 — Date

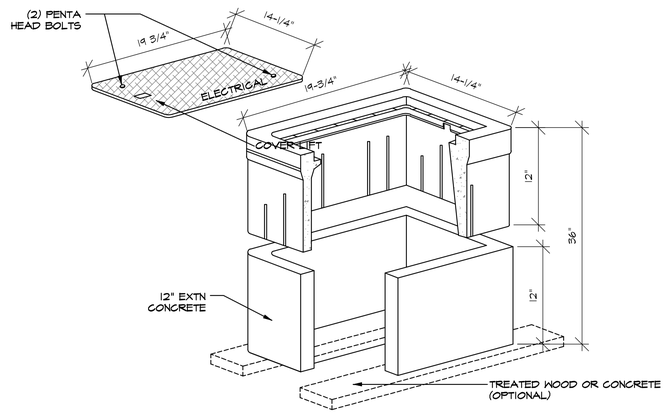


A / E0.4 — TYPICAL 12 IN. TRENCH DETAIL
SCALE: NONE



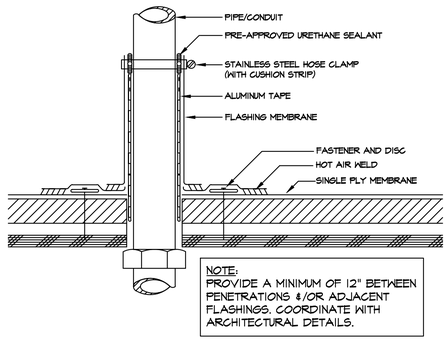
INSALLATION LOCATION	
LOCATION	SETBACK (TO CENTERLINE OF FOUNDATION)
SIDEWALK	18" FROM BACK OF WALK
CURB (W/ NO SIDEWALK)	30" FROM BACK OF CURB
ISLAND OR MEDIAN	CENTER BETWEEN CURBS

B / E0.4 — TYPICAL LIGHTING CONNECTION TO SHADE STRUCTURE
SCALE: NONE



CONTRACTOR SHALL COORDINATE ALL DEVICE LAYOUTS IN BOXES.

D / E0.4 — N-9 BOX CONCRETE
SCALE: NONE



NOTE:
PROVIDE A MINIMUM OF 12" BETWEEN PENETRATIONS &/OR ADJACENT FLASHINGS. COORDINATE WITH ARCHITECTURAL DETAILS.

C / E0.4 — ELECTRICAL ROOF PENETRATION DETAIL
SCALE: NONE

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DETAILS & IECC CALCULATIONS

SHEET NUMBER
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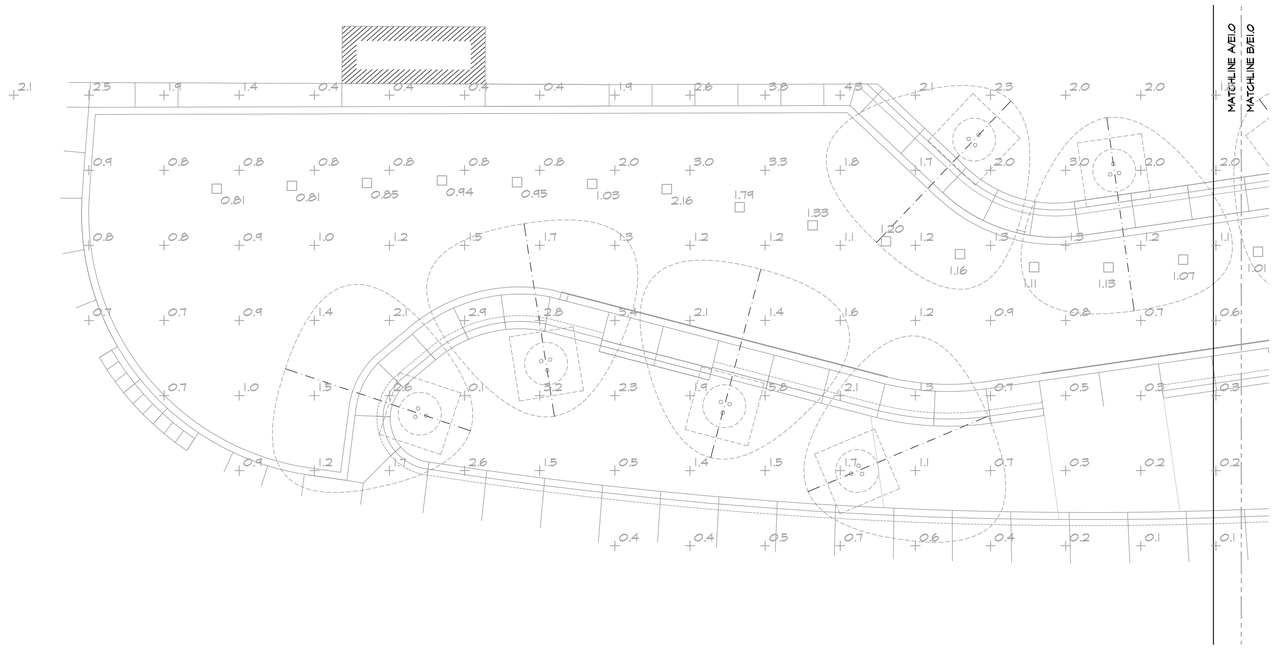

A
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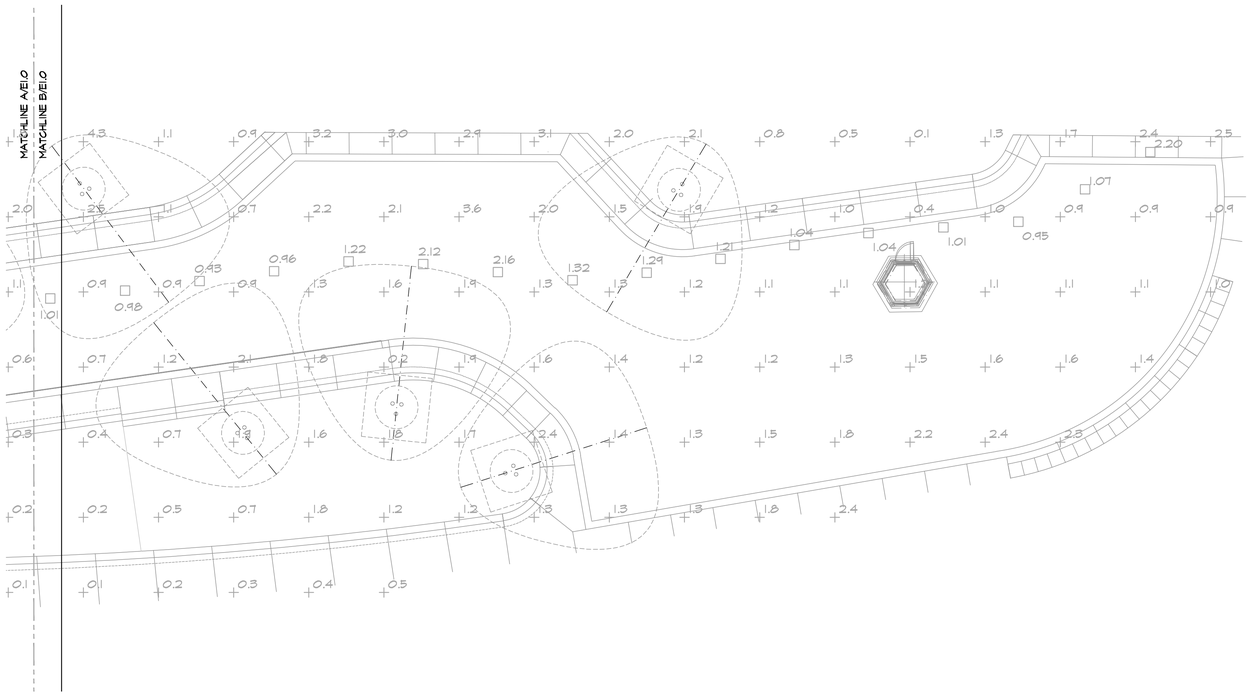
PHOTOMETRIC CALCULATIONS PLAN WEST

SCALE: 1" = 10'-0"



B
E1.0

PHOTOMETRIC CALCULATIONS PLAN EAST

SCALE: 1" = 10'-0"

DISCLAIMER:

1. DRAWING IS NOT TO SCALE. PHOTOMETRIC CALCULATIONS CALCULATIONS HAVE BEEN PERFORMED ACCORDING TO MANUFACTURER STANDARDS. SOME DIFFERENCES BETWEEN MEASURED VALUES AND CALCULATED RESULTS MAY OCCUR DUE TO VARIED CALCULATION METHODS, TESTING PROCEDURES, COMPONENT PERFORMANCE, MEASUREMENT TECHNIQUES AND FIELD CONDITIONS SUCH AS VOLTAGE AND TEMPERATURE VARIATIONS. THESE CALCULATIONS ARE FOR REFERENCE ONLY.
2. LIGHTING SYSTEM FOOTCANDLE LEVELS ARE BASED ON THE UTILIZATION OF ASSUMED REFLECTANCES. THE SURFACES ARE USED AS AN INTEGRAL COMPONENT OF THE LIGHTING SYSTEMS. THE REFLECTANCE OF THE SURFACE PAINT COLOR, MATERIAL, AND OTHER SURFACES, DIRECTLY AFFECTS THE DELIVERY OF LIGHT TO THE WORK PLANE, A SIGNIFICANT DROP IN OVERALL LIGHTING LEVELS WILL OCCUR IF REFLECTANCES ARE LOWERED.
3. ONLY LIGHTING FIXTURES THAT HAS A DIRECT AFFECT ON THE WALKING SURFACE HAVE BEEN USED FOR THIS CALCULATION.
4. ALL CONTRIBUTION FROM EXISTING LIGHTING IS ESTIMATED.

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ELECTRICAL PLANS

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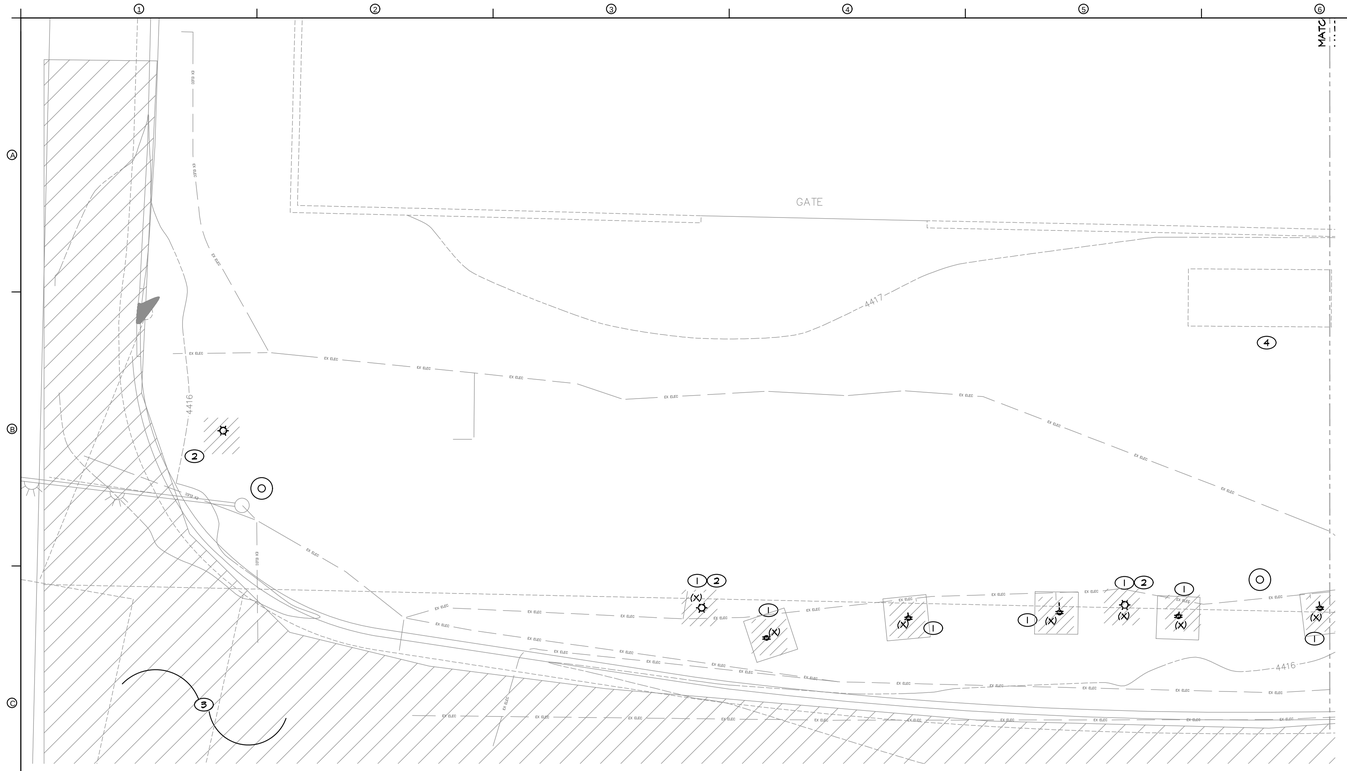
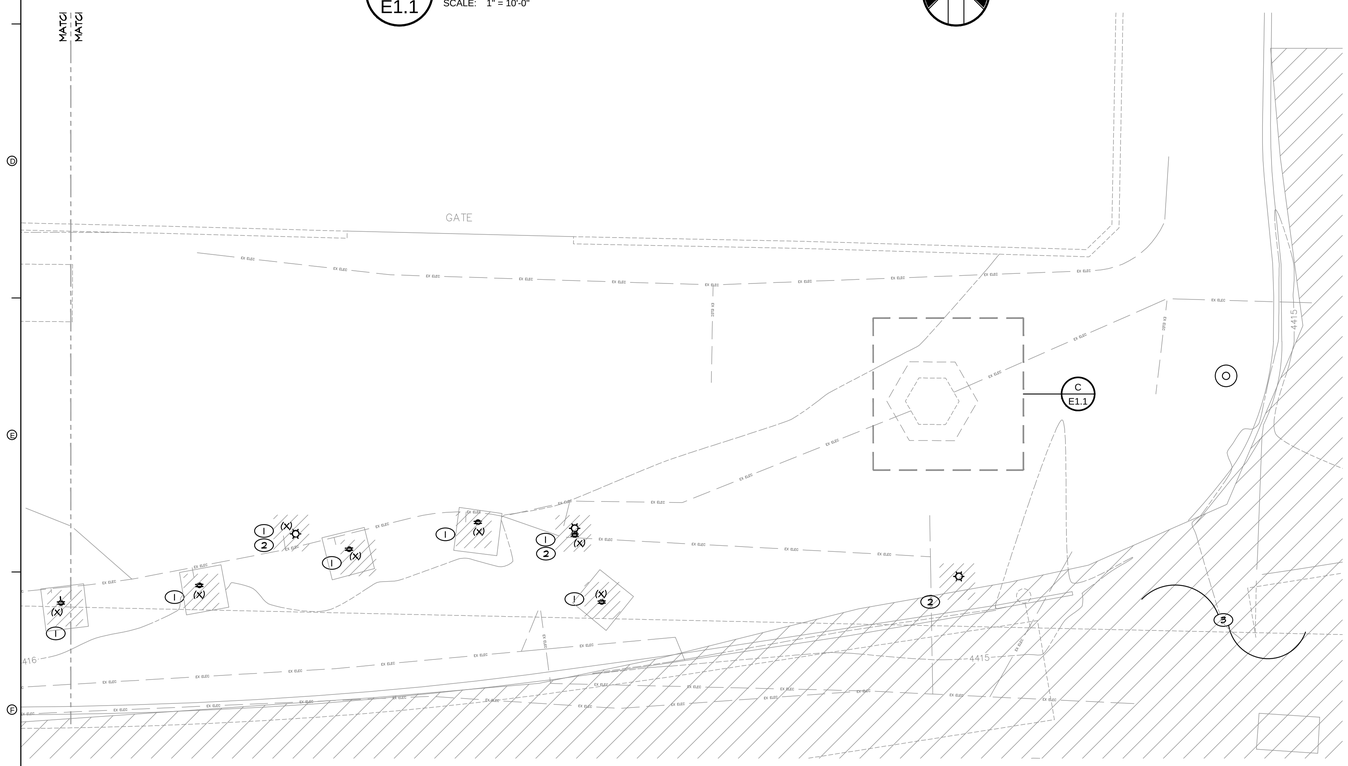


A E1.1 ELECTRICAL DEMOLITION PLAN WEST

SCALE: 1" = 10'-0"



B E1.1 ELECTRICAL DEMOLITION PLAN EAST

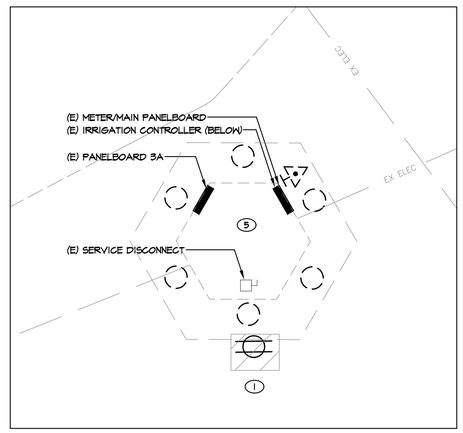
SCALE: 1" = 10'-0"

GENERAL NOTES

1. MAINTAIN EXISTING CIRCUIT CONTINUITY TO EXISTING LIGHTING, DEVICE AND EQUIPMENT TO REMAIN.
2. (X) AND/OR DASHED LINES INDICATE EXISTING EQUIPMENT TO BE REMOVED, (R) AND/OR DASHED LINES INDICATE EXISTING EQUIPMENT TO BE RELOCATED, (E) AND/OR SOLID LINES INDICATE EXISTING EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE.
3. SALVAGEABLE ITEMS REMOVED DURING DEMOLITION SHALL BE OFFERED TO OWNER PRIOR TO DISPOSAL OR REMOVAL FROM SITE.

SHEET NOTES

1. REMOVE EXISTING LIGHTING POLE AND HEADS IN WORK AREA AND DEVICES COMPLETE BACK TO SOURCE PANELBOARD BRANCH. FIELD SURVEY ALL CONDUITS AND WIRE IN AREA OF WORK AND REMOVE THOSE MADE NOT USED. PROTECT IN PLACE EXISTING CONDUIT AND WIRE IN AREA OF WORK SERVING ADJACENT AREAS. RETAIN EXISTING PHOTOCELL CIRCUIT CONTROL AT KIOSK #2.
2. REMOVE AND RETAIN EXISTING LIGHTING FIXTURES AND DEVICES IN AREA OF WORK AND PRESENT TO OWNER FOR ATTIC STOCK. SHOULD OWNER REFUSE THE PRODUCT THE CONTRACTOR SHALL REMOVE AND DISPOSE.
3. THIS AREA OUTSIDE OF AREA OF WORK. MAINTAIN EXISTING CONNECTIVITY TO REMAIN, THE CONTRACTOR SHALL FIELD INVESTIGATE ALL CONDITIONS AND SHALL MAINTAIN ALL EXISTING CIRCUIT CONTINUITY TO ALL CONDUIT AND WIRING FROM AREA OF WORK TO AREA OUTSIDE AREA OF WORK.
4. OUTLINE OF EXISTING TICKET BOOTH NOT IN SCOPE OF WORK.
5. (E) ELECTRICAL EQUIPMENT INSIDE PAVILION ENCLOSURE TO REMAIN.



C E1.1 PYLON DEMOLITION ENLARGED PLAN

SCALE: 1/4"=1'-0"

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ELECTRICAL DEMOLITION PLANS

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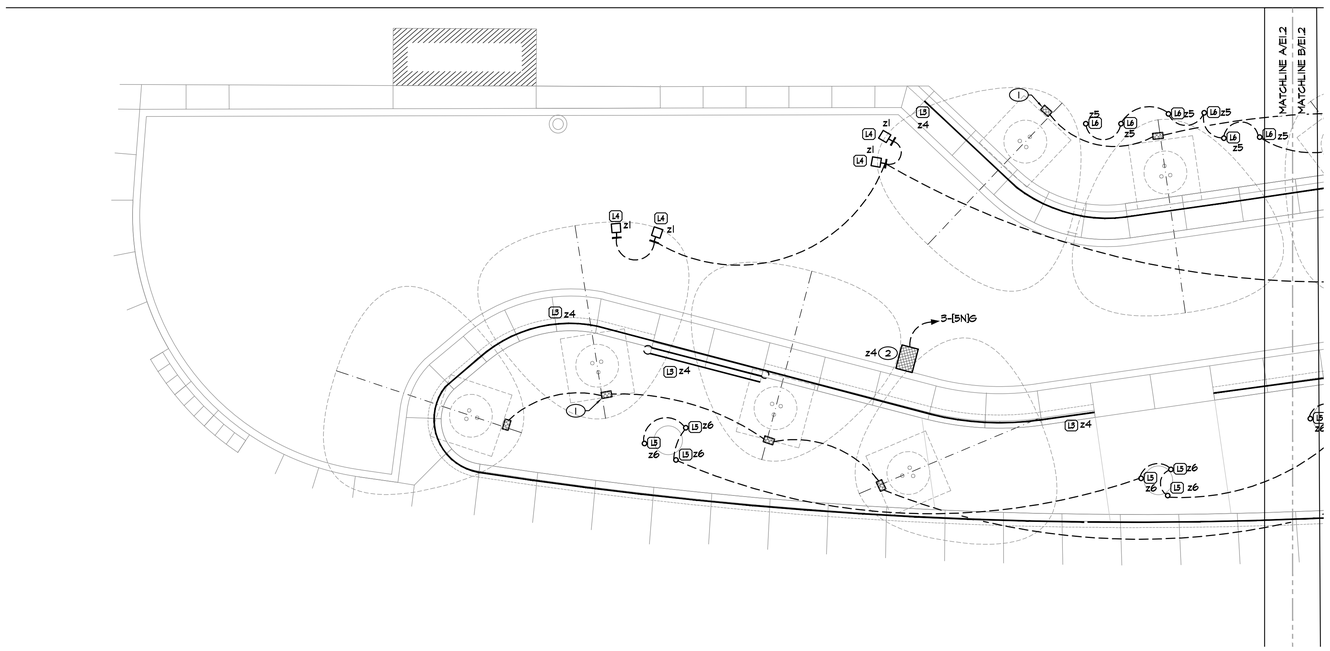
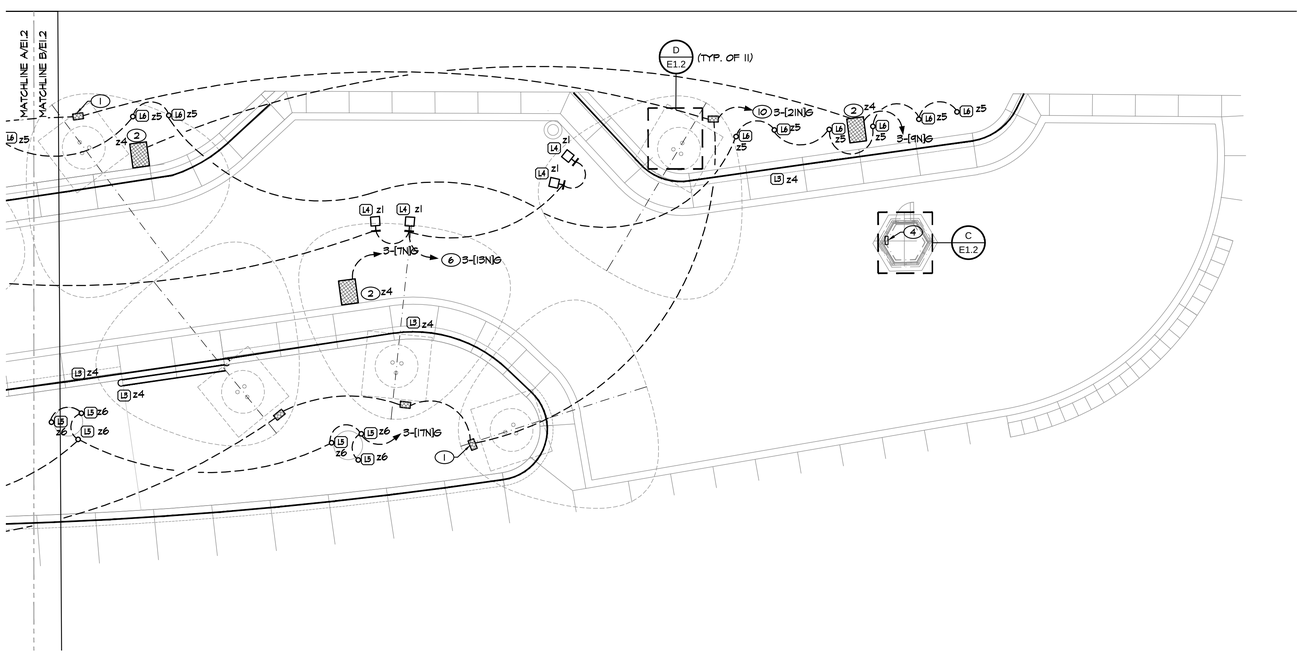


A E1.2 LIGHTING PLAN WEST

SCALE: 1" = 10'-0"



B E1.2 LIGHTING PLAN EAST

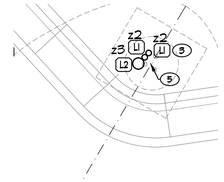
SCALE: 1" = 10'-0"

GENERAL NOTES

1. MAINTAIN EXISTING CONNECTIVITY TO EXITING EQUIPMENT TO REMAIN.
2. CONTRACTOR SHALL FIELD INVESTIGATE ALL EXISTING CONDITIONS AND SHALL PROVIDE ALL SYSTEMS COMPLETE AND IN WORKING ORDER.
3. REFER TO LIGHTING DESIGN SHEET(S) FOR ALL LOCATIONS, AIMING, MOUNTING AND ADDITIONAL INFORMATION.
4. PROVIDE, ROUTE AND COORDINATE ALL LOW VOLTAGE COMPONENTS AND CONNECTIONS FOR COMPLETE AND WORKING SYSTEM(S).

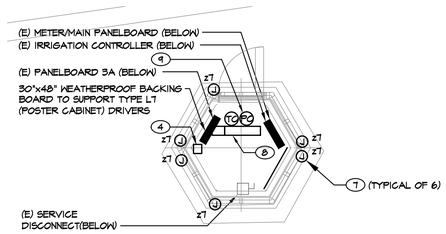
SHEET NOTES

1. N9 BOX TYPICAL. FOR PULL AND WEATHERPROOF SPLICING AS NECESSARY. REFER TO DETAIL DE0.4.
2. 28"X40" CONCRETE IN-GRADE BOX (N40). H-20 STEEL TRAFFIC RATED COVER WITH PENTA HEAD TAMPER RESISTANT BOLTS. LABEL COVER "LIGHTING". TO HOUSE TYPE L3 DRIVERS. CONTRACTOR SHALL LAYOUT DRIVERS IN BOX AND PROVIDE ALL CLEARANCES NECESSARY PRIOR TO STARTING WORK. PROVIDE DRIVER MOUNTING BOARD AND PROVIDE BOX WITH DRAIN HOLE(S). PROVIDE ALL NECESSARY CONDUIT, WIRE AND DMX CABLING BACK TO LIGHTING CONTROL DEVICES ON ROOF OF PYLON. PROVIDE ALL INTERCONNECTIONS, MOUNTING, CABLING, BOXES AND SIZING AS NECESSARY FOR A COMPLETE WORKING SYSTEM. COORDINATE PLACEMENT WITH CIVIL AND LANDSCAPE. TYPICAL ALL.
3. TWO TYPE L1 IN PERFORATED AREA BELOW CANOPY AND ONE TYPE L2 ABOVE PERFORATED AREA AIMED AT BOTTOM OF CANOPY. REFER TO LIGHTING DESIGN SHEETS FOR MOUNTING INFORMATION.
4. STRUT MOUNTED DRIVER CABINET ON ROOF OF PYLON FOR TYPE L4. COORDINATE PLACEMENT AND MOUNTING WITH TEAM PRIOR TO ROUGH IN. REFER TO C/E1.3.
5. (1) 3/4" POWER AND (1) 1-1/2" LIGHTING CONTROL AND SPEAKER CONDUITS INSTALLED IN FABRICATION SHOP. PROVIDE, COORDINATE AND CONNECT IN-GRADE CONDUITS WITH CONDUITS PROVIDED IN STRUCTURE. TYPICAL. CIRCUIT AS SHOWN.
6. #12 AWG FOR ENTIRE RUN. ROUTE CABLE THROUGH LOW VOLTAGE CONDUIT SUPPLIED IN STRUCTURE AND ROUTE WEATHERPROOF ACROSS ACROSS TOP OF SHADE. PROVIDE 0-10VDC DRIVERS MOUNTED INSIDE PYLON TO MANUALLY CONTROL DIMMING. COORDINATE MOUNTING LOCATION INSIDE PYLON WITH EXISTING EQUIPMENT AND OTHER CONTROL COMPONENTS.
7. WEATHER PROOF CONNECTION TO TYPE L7. COORDINATE CONNECTIONS WITH LIGHTING FIXTURE CORD LENGTH AND PLACEMENT.
8. CONDITIONED LIGHTING CONTROL ENCLOSURE. MIER PRODUCT BW-136-ACHT OR EQUAL BY DDB UNLIMITED. ENCLOSURE TEMPERATURES TO BE MAINTAINED BETWEEN 32 AND 104 DEGREES F. CONTRACTOR SHALL COORDINATE PLACEMENT AND INSTALLATION OF ALL COMPONENTS, CONDUITS, WIRING INTERIOR TO CABINET PRIOR TO PURCHASING CABINET. REFER TO A/E0.3 OR ADDITIONAL INFORMATION.
9. PHOTOCELL MOUNTED FACING NORTH.



D E1.2 TYPICAL LIGHTING AT SHADE STRUCTURES

SCALE: 1/8"=1'-0"



C E1.2 PYLON ENLARGED ELECTRICAL PLAN

SCALE: 1/4"=1'-0"

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No 11513
09/21/2022

ISSUE DATE: 09/21/2022

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LIGHTING PLANS

SHEET NUMBER

E1.2

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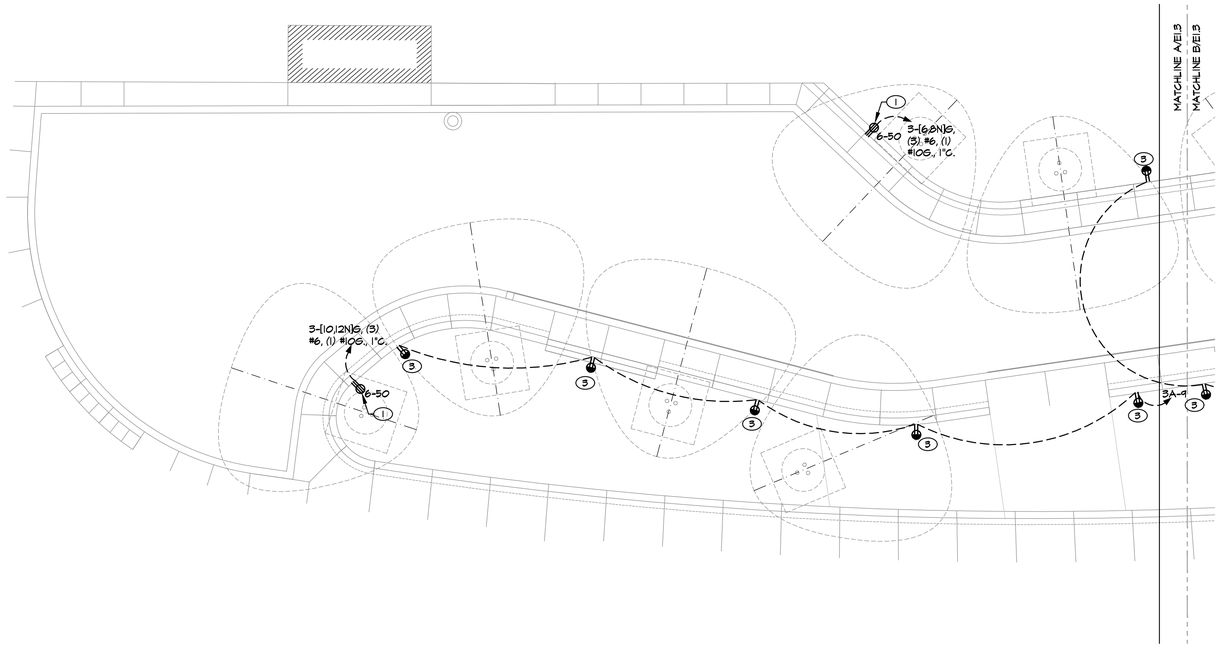
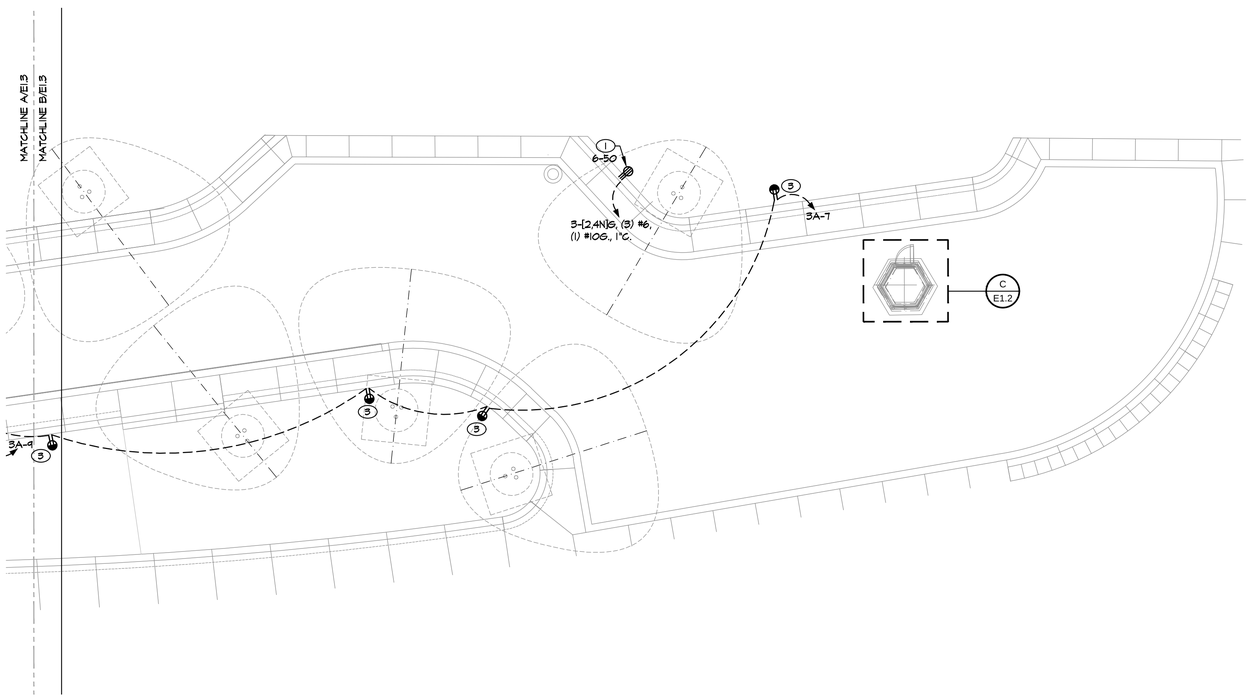


A E1.3 POWER PLAN WEST

SCALE: 1" = 10'-0"



B E1.3 POWER PLAN EAST

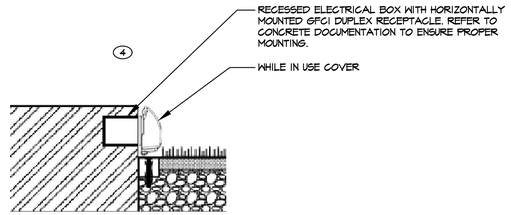
SCALE: 1" = 10'-0"

GENERAL NOTES

1. MAINTAIN EXISTING CONNECTIVITY TO EXITING EQUIPMENT TO REMAIN.
2. CONTRACTOR SHALL FIELD INVESTIGATE ALL EXISTING CONDITIONS AND SHALL PROVIDE ALL SYSTEMS COMPLETE AND IN WORKING ORDER.
3. COORDINATE WITH LANDSCAPE AND CIVIL FOR ALL DEVICE LOCATIONS AND INSTALLATION REQUIREMENTS.

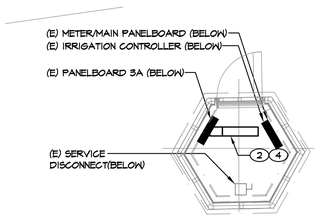
SHEET NOTES

1. 50A RECEPTACLE OF NEMA TYPE SHOWN. REFER TO CONCRETE DETAILS FOR MOUNTING IN SEATING WALL. PROVIDE WITH LOCKING WEATHERPROOF COVER.
2. HEATED AND COOLED NEMA 4X ENCLOSURE MOUNTED TO TOP OF PYLON TO HOUSE LIGHTING CONTROLS. CIRCUIT TO (E) 3-(1N)S. CONDITIONED RANGE TO BE MAINTAINED SHALL BE 32 TO 104 DEGREES F. MINIMUM SIZE 24" X 36" X 12". REFER TO A/EQ.3 FOR CONTROLS TO BE HOUSED IN ENCLOSURE. CONTRACTOR SHALL FIELD FABRICATE LAYOUT OF COMPONENTS PER THE MANUFACTURERS RECOMMENDATIONS.
3. MOUNT RECEPTACLES HORIZONTALLY RECESSED IN CONCRETE WITH LOCKABLE METAL WEATHER PROOF WHILE IN USE COVER. TYPICAL ALL 120 VOLT DUPLEX RECEPTACLES. REFER TO CONCRETE SEATING WALL DETAILS FOR COORDINATION.
4. COORDINATE PLACEMENT OF ALL PYLON ROOF TOP COMPONENTS, WIRING AND RACEWAYS PRIOR TO STARTING WORK. ALL EXTERIOR WORK SHALL BE WEATHERTIGHT.



D E1.3 GRADE MOUNTED GFCI RECEPTACLE (TYP)

SCALE: NTS



C E1.3 PYLON ENLARGED ELECTRICAL PLAN

SCALE: 1/4"=1'-0"

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PROJECT NUMBER: 6834

POWER PLANS

SHEET NUMBER

E1.3

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AV SYSTEM GENERAL NOTES

ITEM	DESCRIPTION
1.	STANDARDS AND CODES: ALL AUDIO / VISUAL (AV) WORK, SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/INFOCOMM STANDARDS, ANSI/TIA/EIA STANDARDS AND THE NATIONAL ELECTRIC CODE (NEC).
2.	CONTRACTOR LICENSING, CERTIFICATION AND EXPERIENCE: THE CONTRACTOR SHALL BE LICENSED BY THE NEVADA STATE CONTRACTORS BOARD. THE AV CONTRACTOR SHALL HAVE A MINIMUM OF FIVE (5) YEARS EXPERIENCE IN THE INSTALLATION AND TESTING OF COMMERCIAL AV SYSTEMS OF SIMILAR SIZE AND SCOPE. THE CONTRACTOR SHALL BE A FIRM NORMALLY ENGAGED IN THE DESIGN, INSTALLATION AND MAINTENANCE OF AV SYSTEMS. THE CONTRACTOR SHALL PROVIDE DETAILS OF AT LEAST THREE (3) PROJECTS OF SIMILAR SIZE AND SCOPE INVOLVING THE DESIGN, INSTALLATION AND TESTING OF AV SYSTEMS WITHIN THE LAST THREE (3) YEARS. NAMES, ADDRESSES AND TELEPHONE NUMBERS OF REFERENCES FOR THE THREE PROJECTS SHALL BE INCLUDED.
3.	GENERAL REQUIREMENTS: PROVIDE A COMPLETE AND OPERATIONAL AUDIO / VISUAL SYSTEM AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, CABLING AND ANCILLARY ITEMS REQUIRED FOR A COMPLETE SYSTEM INCLUDING BUT NOT LIMITED TO SPEAKERS, SPEAKER CABLE, WATERPROOF SPEAKER CABLE SPLICES, ATTENUATORS, CONDUIT AND PULL BOXES, TESTING, ADJUSTING, ETC. INFORMATION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. FIELD VERIFY ALL DIMENSIONS, LOCATIONS, AND LAYOUT. DO NOT SCALE THE PLANS FOR RACEWAY, OUTLET OR EQUIPMENT LOCATIONS.
4.	SUBMITTALS: SUBMIT CUT SHEETS FOR APPROVAL OF ALL AUDIO / VISUAL DEVICES, EQUIPMENT AND CABLING SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.
5.	EXAMINATION OF SITE: BEFORE SUBMITTING A PROPOSAL, THE CONTRACTOR SHALL EXAMINE THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR LACK OF KNOWLEDGE OF ANY SITE CONDITIONS WHICH MAY AFFECT THE WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER BEFORE SUBMITTING A PROPOSAL.
6.	RACEWAY: INSTALL UNDERGROUND RACEWAY AS SHOWN ON THE DRAWINGS. INSTALL NYLON PULL STRING IN ALL CONDUIT.
7.	AUDIO CABLING AND TERMINATIONS: NO SPLICES ARE PERMITTED IN ANY AUDIO/VISUAL CABLING UNLESS EXPLICITLY SHOWN ON THE DRAWINGS. INSTALL CABLE WITH NO VISIBLE DEFECTS INCLUDING KINKS, TWISTS, CUTS, BURNS, ETC. CONTRACTOR SHALL REMOVE AND REPLACE DEFECTIVE CABLES.
8.	MISCELLANEOUS AUDIO/VISUAL CABLING AND JUMPERS: PROVIDE ALL MISCELLANEOUS AV CABLE, PATCH CORDS AND JUMPERS TO INTERCONNECT AV DEVICES AND EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE PROPER CONNECTORS ON EACH END OF THE CABLES TO MATCH THE AUDIO EQUIPMENT AND INPUT PLATE CONNECTIONS INCLUDING PHOENIX, XLR, SPEAKON, RCA, MINI STEREO, HDMI, RJ-45, ETC.
9.	CABLE LABELING, TESTING AND CERTIFICATION: LABEL EACH AV AND NETWORK CABLE AT THE TERMINATION POINT AT EACH END. CABLE ID LABELS SHOULD INDICATE THE FUNCTION AND NUMBER OF EACH CABLE. LABEL EACH CABLE AT INTERMEDIATE PULL POINTS AND PULL BOXES. LABEL EACH AV JUMPER/PATCH CORD LOCATED IN THE AV EQUIPMENT RACK. LABELS SHALL BE SELF-LAMINATING WRAP-AROUND ADHESIVE TYPE WITH LASER PRINTED TEXT. TEST AND CERTIFY ALL CABLING.
10.	SUPERVISION OF WORK: ALL WORK SHALL BE SUPERVISED ON A DAILY BASIS BY A SUPERVISOR HAVING A MINIMUM OF FIVE (5) YEARS EXPERIENCE IN THE INSTALLATION OF COMMERCIAL AV SYSTEMS.
11.	AV SYSTEM CONFIGURATION, TESTING AND COMMISSIONING: CONTRACTOR SHALL INSTALL, CONFIGURE, PROGRAM, INTEGRATE AND TUNE ALL AV EQUIPMENT AND DEVICES SHOWN. TEST, COMMISSION AND DEMONSTRATE THE ENTIRE AV SYSTEM AT THE COMPLETION OF THE PROJECT. TESTING AND COMMISSIONING INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: CONFIRM THE INSTALLATION, MOUNTING AND SUPPORT OF ALL DEVICES AND EQUIPMENT. VERIFY INSTALLATION, TERMINATION AND CONNECTION OF ALL AV AND NETWORK CABLING. VERIFY SWITCHING AND CONTROL OF ALL AUDIO SIGNALS. VERIFY ALL AUDIO LEVELS. VERIFY THE DOCUMENTATION OF ALL EQUIPMENT, DEVICES AND CABLING IN THE AS-BUILT DRAWINGS AND O&M MANUALS.
12.	AS-BUILTS, O&M MANUALS: PROVIDE AS-BUILT DRAWINGS AND O&M MANUALS IN ELECTRONIC PDF FORMAT. PROVIDE TABLE OF CONTENTS FOR ALL EQUIPMENT AND DEVICES.
13.	GUARANTEE / WARRANTY: THE COMPLETE AV SYSTEM INCLUDING LABOR, MATERIAL AND PROGRAMMING SHALL BE GUARANTEED TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION. PROMPTLY REMEDY SUCH DEFECTS AND ANY SUBSEQUENT DAMAGE CAUSED BY THE DEFECTS OR REPAIR THEREOF AT NO EXPENSE TO THE OWNER. SEE SPECIFICATIONS FOR ADDITIONAL WARRANTY REQUIREMENTS.

DRAWING SCHEDULE

SHEET	DESCRIPTION	
T0.1	TELECOM LEGEND, GENERAL NOTES & DRAWING SCHEDULE	●
T1.1	TELECOM DEMOLITION PLAN	●
T2.1	TELECOM NEW WORK PLAN	●
	TOTAL SHEETS IN ISSUE:	3

RACEWAY LEGEND

SYMBOL	DESCRIPTION
———	CONDUIT. SIZE AS INDICATED ON DRAWINGS
– – –	CONDUIT UNDERGROUND OR IN SLAB
———|	CONDUIT STUB OUT WITH BUSHING.
|———|	HORIZONTAL OR VERTICAL SLEEVE WITH BUSHINGS.
———⊙	CONDUIT UP OR DOWN.

SOUND SYSTEM LEGEND

SYMBOL	DESCRIPTION
(S)◁	70 VOLT 50 WATT OUTDOOR RATED 2-WAY LOUDSPEAKER.

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AV	AUDIO / VISUAL
AWG	AMERICAN WIRE GAUGE
CATV	CABLE TV
COAX	COAXIAL CABLE
DEMARC	DEMARCATION POINT
DIA	DIAMETER
FBO	FURNISHED BY OTHERS
(E)	EXISTING
EA	EACH
EMT	ELECTRICAL METALLIC TUBING
EQ	EQUAL
FBO	FURNISHED BY OTHERS
FPD	FLAT PANEL DISPLAY
GND	GROUND
HC	HORIZONTAL CROSS-CONNECT
IC	INTERMEDIATE CROSS-CONNECT
ID	INSIDE DIAMETER
IDC	INSULATION DISPLACEMENT CONNECTOR
IDF	INTERMEDIATE DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
MC	MAIN CROSS-CONNECT
MDF	MAIN DISTRIBUTION FRAME
MM	MULTIMODE FIBER OPTIC CABLE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFE	OWNER FURNISHED EQUIPMENT
OSP	OUTSIDE PLANT
PVC	POLYVINYLCHLORIDE
SM	SINGLEMODE FIBER OPTIC CABLE
TBB	TELCOMMUNICATIONS BONDING BACKBONE
TR	TELECOMMUNICATIONS ROOM
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
WAP	WIRELESS ACCESS POINT
WG	WIRE GUARD
WP	WALL PHONE

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TELECOM LEGEND, GENERAL NOTES & DRAWING SCHEDULE

SHEET NUMBER

T0.1

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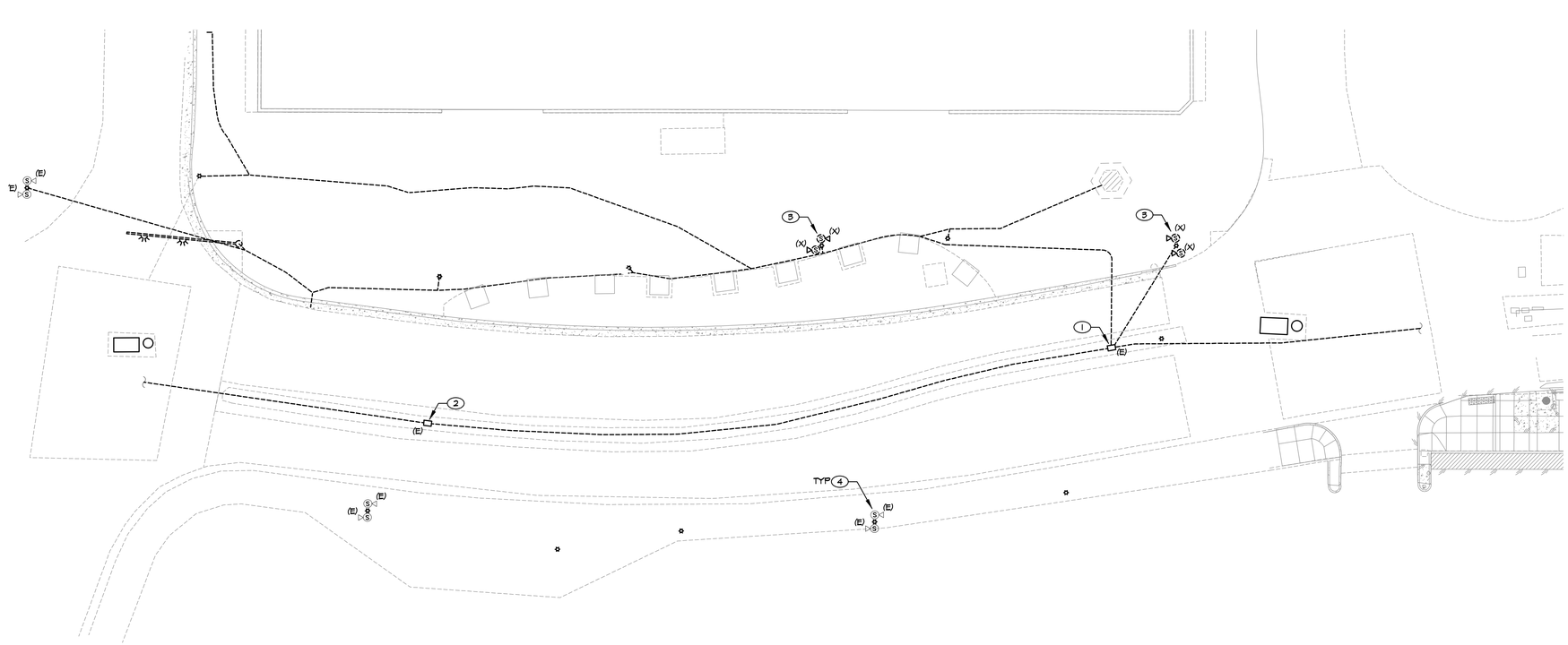
GENERAL NOTES

1. AN EXISTING SOUND CABINET IS LOCATED INSIDE THE THE DEPOT GALLERY BUILDING LOCATED ON THE SOUTH SIDE OF VICTORIAN AVE NEAR PYRAMID WAY. QTY (2) 2-CHANNEL 70V AMPLIFIERS ARE RACK MOUNTED IN THE AV CABINET.
2. QTY (4) 14/2 SPEAKER CABLES (AMPLIFIER CHANNELS 1-4) ARE ROUTED FROM THE AUDIO CABINET TO LIGHT POLE MOUNTED 70V SPEAKERS LOCATED ON BOTH SIDES OF VICTORIAN AVENUE FROM PYRAMID WAY TO VICTORIAN PLAZA CIRCLE (APPROXIMATELY 4 CITY BLOCKS). EACH CITY BLOCK IS SERVED BY ONE AMPLIFIER CHANNEL.
3. EXISTING SPEAKER CABLES ARE ROUTED WITHIN THE STREET LIGHTING CONDUIT INFRASTRUCTURE. SPEAKER CABLES AND STREET LIGHTING ELECTRICAL CONDUCTORS ARE ROUTED TOGETHER IN THE SAME CONDUITS.
4. ALONG THE FORECOURT CITY BLOCK, SPEAKER CABLES ARE ROUTED THROUGH PULL BOXES AND CONDUIT ROUTED DOWN THE CENTER MEDIAN. SPEAKER CIRCUITS BRANCH OFF FROM THE PULL BOXES IN THE CENTER MEDIAN TO FEED LIGHT POLES LOCATED ON BOTH SIDES OF VICTORIAN AVENUE.
5. EXISTING SPEAKERS IN THE FORECOURT PROJECT AREA SHALL BE REMOVED. SPEAKER CABLING SERVING THESE SPEAKERS SHALL BE REMOVED BACK TO THE CENTER MEDIAN PULL BOXES. EXISTING SPEAKER CIRCUITS SHALL BE SPLICED AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR EXISTING SPEAKERS THAT WILL REMAIN.
6. NEW CONDUIT AND 14/2 SPEAKER CABLING SHALL BE INSTALLED FROM THE EXISTING PULL BOXES IN THE CENTER MEDIAN TO SERVE NEW SPEAKERS MOUNTED IN THE FORECOURT SHADE STRUCTURES. NEW SPEAKER CABLING SHALL BE CONNECTED TO THE EXISTING SPEAKER CIRCUIT SERVING THE FORECOURT CITY BLOCK.

SHEET NOTES

1. EXISTING PULL BOX WITH STEEL CHECKER PLATE LID LABELED "DATA".
2. EXISTING PULL BOX WITH STEEL CHECKER PLATE LID LABELED "CONTROLS".
3. DEMO SPEAKERS ON LIGHT POLE AND REMOVE SPEAKER CABLE BACK TO PULL BOX IN CENTER MEDIAN. SPLICE SPEAKER CIRCUIT IN MEDIAN PULL BOX AS REQUIRED TO MAINTAIN SPEAKER CIRCUIT CONTINUITY FOR EXISTING SPEAKERS TO REMAIN.
4. EXISTING SPEAKERS TO REMAIN. MAINTAIN CIRCUIT CONTINUITY TO EXISTING SPEAKERS (TYPICAL).



A T1.1 TELECOM DEMO PLAN

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TELECOM DEMOLITION PLAN

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GENERAL NOTES

1. NEW CONDUIT AND 14/2 SPEAKER CABLING SHALL BE INSTALLED FROM THE EXISTING PULL BOX IN THE CENTER MEDIAN TO SERVE NEW SPEAKERS MOUNTED IN THE FORECOURT SHADE STRUCTURES. NEW SPEAKER CABLING SHALL BE CONNECTED TO THE EXISTING SPEAKER CIRCUIT SERVING THE FORECOURT CITY BLOCK.
2. PROVIDE NYLON PULL STRING IN ALL CONDUITS.
3. SPEAKER CABLING SHALL BE OUTDOOR RATED SUITABLE FOR UNDERGROUND DUCT INSTALLATION. LABEL AND TEST ALL SPEAKER CABLING.

SHEET NOTES

(1) INSTALL 1" U.S. CONDUIT FROM EXISTING PULL BOX IN MEDIAN TO PYLON (FOR FUTURE USE).

(2) INSTALL 1" U.S. CONDUIT BETWEEN ALL SHADE STRUCTURES (TYPICAL).

(3) 70V 50 WATT 2-WAY WEATHER PROOF STAINLESS STEEL SPEAKER MOUNTED INSIDE SHADE STRUCTURE. PROVIDE PAN/TILT STAINLESS STEEL MOUNTING BRACKET. INSTALL 14/2 OUTDOOR RATED SPEAKER CABLE BETWEEN SPEAKERS.

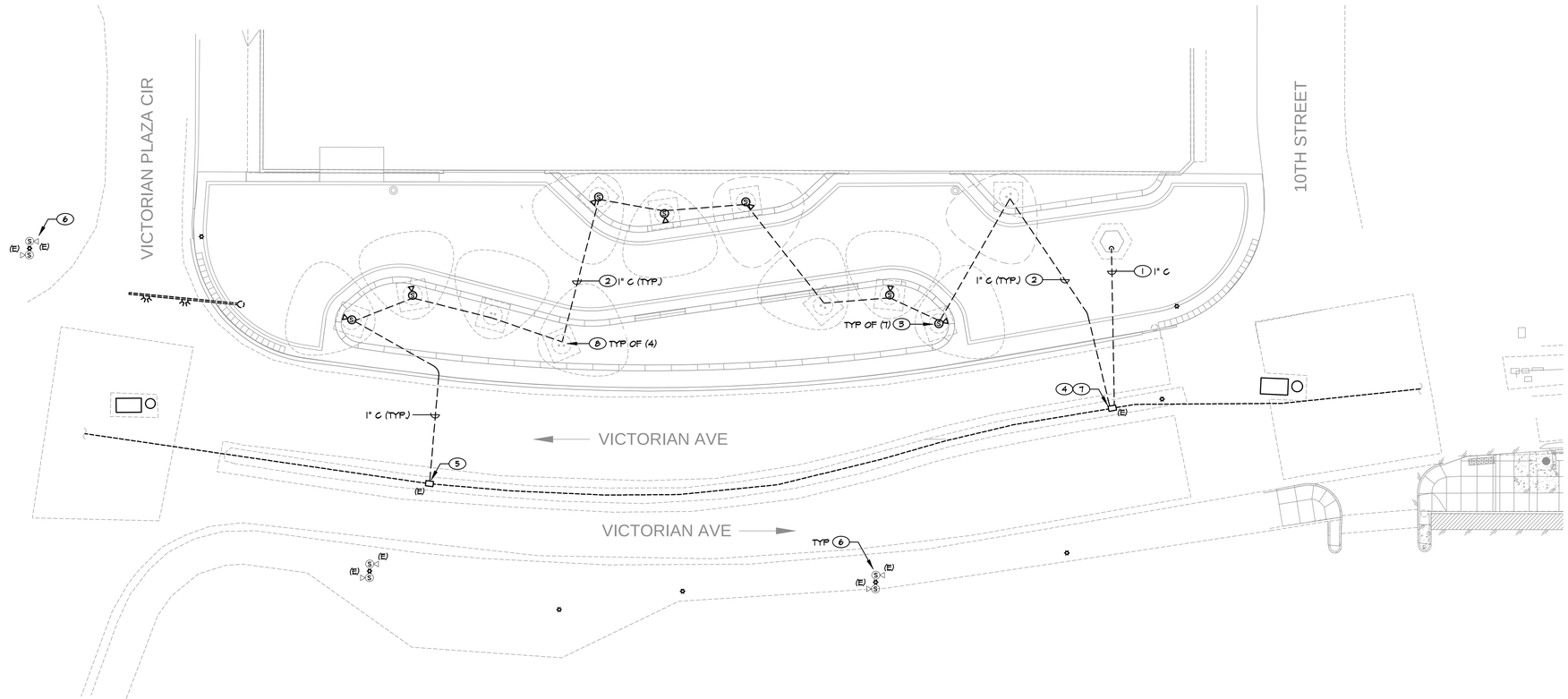
(4) EXISTING PULL BOX WITH STEEL CHECKER PLATE LID LABELED "DATA".

(5) EXISTING PULL BOX WITH STEEL CHECKER PLATE LID LABELED "CONTROLS".

(6) EXISTING SPEAKERS TO REMAIN. MAINTAIN CIRCUIT CONTINUITY TO EXISTING SPEAKERS (TYPICAL).

(7) CONNECT SPEAKER 70V SPEAKER CIRCUIT TO EXISTING SPEAKER CIRCUIT IN PULL BOX LOCATED IN CENTER MEDIAN.

(8) AT SHADE STRUCTURES WITHOUT SPEAKERS, LOOP CABLE THROUGH SHADE STRUCTURE TUBE STEEL SUPPORTS FOR CONNECTION TO FUTURE SPEAKERS.



A T2.1 TELECOM NEW WORK PLAN

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TELECOM NEW WORK PLAN

SHEET NUMBER

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INSTALLATION GENERAL NOTES

1. THE SYSTEM DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM OF 67 PSI (PER CITY PARKS DEPARTMENT), AT A MAXIMUM DISCHARGE OF 12 GPM AT THE 1.5-INCH IRRIGATION POINT-OF-CONNECTION (POC). THE IRRIGATION SYSTEM CONNECTION SHALL CONNECT TO AN EXISTING IRRIGATION MAINLINE. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION.
2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
4. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED, BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
5. THE DRAWINGS ARE DIAGRAMMATIC. THEREFORE, THE FOLLOWING SHOULD BE NOTED:
   - A. ALTHOUGH IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY, INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE.
   - B. TREE AND SHRUB LOCATIONS AS SHOWN ON LANDSCAPE PLANS TAKE PRECEDENCE OVER IRRIGATION EQUIPMENT LOCATIONS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES.
   - C. USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF TEES IN THE BULLNOSE CONFIGURATION, OR USE OF CROSS TYPE FITTINGS IS NOT ALLOWED.
6. PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:
   - A. TWO (2) OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVES.
7. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR. PIPE SLEEVES SHALL BE SIZED TWICE THE NOMINAL SIZE OF THE PIPE PASSING THROUGH.
8. INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
9. THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN TWO IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
10. INSTALL TWO (2) #14 AWG CONTROL WIRES ON STANDARD WIRE SYSTEMS FOR USE AS SPARES. INSTALL SPARE WIRES FROM CONTROLLER LOCATION TO EACH DEAD-END OF MAINLINE. COIL 3 FEET OF WIRE IN VALVE BOX.
11. INSTALL VALVE BOXES WITHIN HARDSCAPED AREAS AS SHOWN PER PLAN. ALL VALVE BOXES INSTALLED WITHIN HARDSCAPE AREAS SHALL HAVE A REINFORCED CONCRETE BODY WITH A CAST IRON OR STEEL COVER.

CONSTRUCTION NOTES

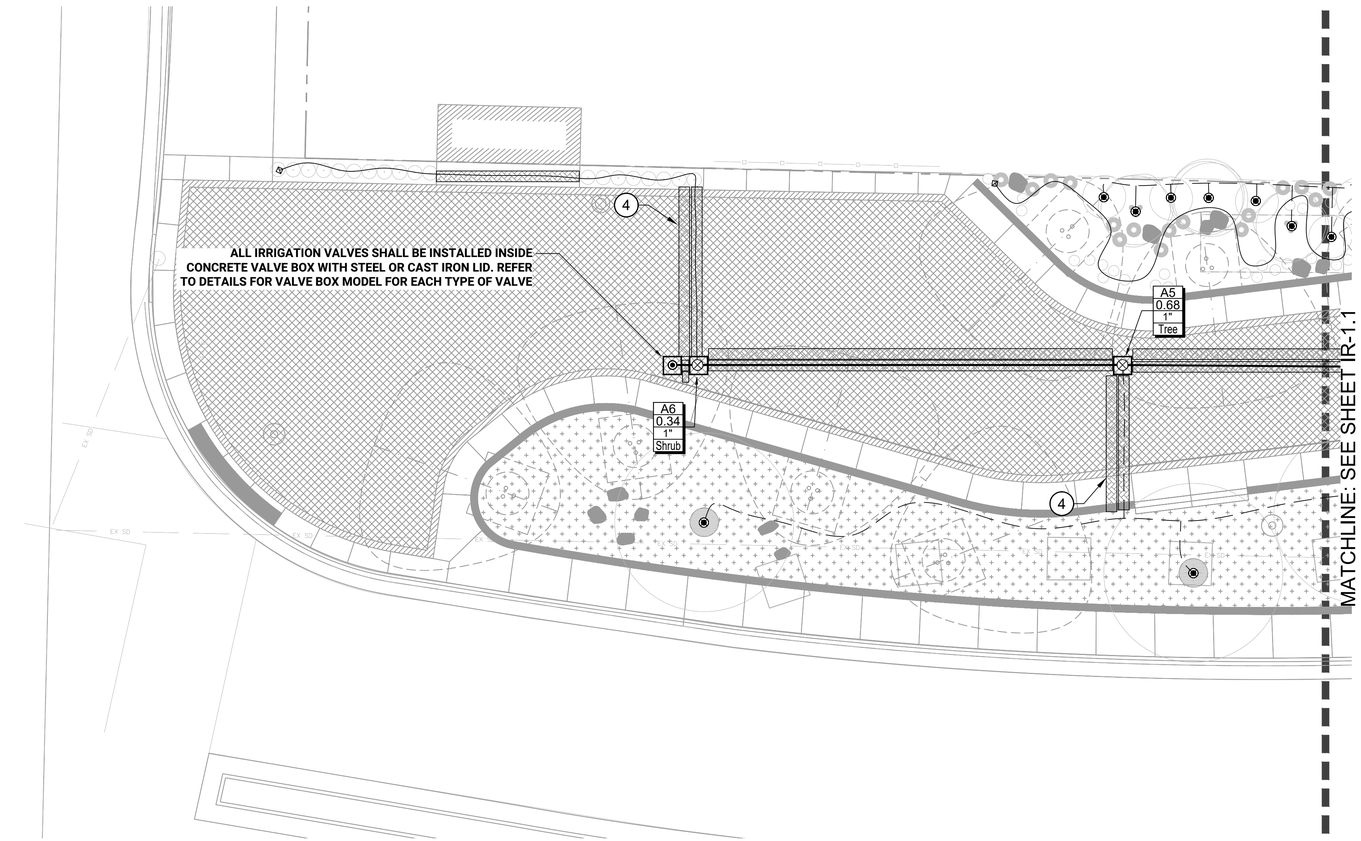
1. THE IRRIGATION SYSTEM POINT-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE EXISTING IRRIGATION MAINLINE AT THE APPROXIMATE LOCATION SHOWN. INSTALL NEW ISOLATION VALVE AND QUICK COUPLER AT THE POC AS INDICATED. FIELD LOCATE EXACT LOCATION OF EXISTING MAINLINE WITH OWNER'S REPRESENTATIVE.
2. REPLACE EXISTING IRRIGATION CONTROLLER WITH NEW IRRIGATION CONTROLLER. WALL MOUNT THE NEW IRRIGATION CONTROLLER AT THE APPROXIMATE LOCATION SHOWN, INSIDE OF KIOSK. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLER IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE. FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.
3. THE EXISTING BACKFLOW PREVENTER SERVING THE NEW IRRIGATION SYSTEM IS LOCATED IN THE EXISTING MEDIAN AT THE APPROXIMATE LOCATION SHOWN. VERIFY THAT EXISTING BACKFLOW PREVENTER IS IN WORKING CONDITION PRIOR TO CONSTRUCTION. INSTALL NEW BACKFLOW ENCLOSURE OVER EXISTING BACKFLOW PREVENTER UNIT, MODEL: GUARDSHACK GS-2. INSTALL NEW CONCRETE PAD AS REQUIRED FOR MOUNTING NEW BACKFLOW ENCLOSURE.
4. INSTALL SPARE 2-INCH CLASS 200 PVC SLEEVE AT THE APPROXIMATE LOCATION SHOWN.

IRRIGATION LEGEND

- SLEEVES: **CLASS 200 PVC**
- POINT-OF-CONNECTION ASSEMBLY
- EXISTING MAINLINE PIPE: FIELD VERIFY EXACT LOCATION AND SIZE
- MAINLINE PIPE: **POLYETHYLENE PIPE RATED AT 200 PSI 1 1/2-INCH SIZE UNLESS OTHERWISE INDICATED**
- LATERAL PIPE TO SHRUB DRIP EMITTERS: **UV RADIATION RESISTANT POLYETHYLENE 3/4-INCH SIZE UNLESS OTHERWISE INDICATED, ROUTING IS DIAGRAMMATIC**
- LATERAL PIPE TO TREE DRIP EMITTERS: **UV RADIATION RESISTANT POLYETHYLENE 3/4-INCH SIZE UNLESS OTHERWISE INDICATED, ROUTING IS DIAGRAMMATIC**
- UNCONNECTED PIPE CROSSING
- REMOTE CONTROL DRIP VALVE ASSEMBLY: **RAIN BIRD XCZ-PRB-100-COM**
- QUICK COUPLING VALVE ASSEMBLY: **RAIN BIRD 5RC**
- ISOLATION GATE VALVE ASSEMBLY: **MUELLER 300 BRASS BALL CURB VALVE**
- EXISTING BACKFLOW PREVENTION ASSEMBLY
- FLUSH CAP ASSEMBLY

A1 / 14 / 1" / Turf
- INDICATES CONTROLLER AND STATION NUMBER
- INDICATES LATERAL DISCHARGE (GPM)
- INDICATES VALVE SIZE (INCHES)
- INDICATES LANDSCAPE APPLICATION

IRRIGATION CONTROLLER UNIT WITH **RAIN BIRD WR2FC RAIN/FREEZE SENSOR AND LNK WIFI COMMUNICATION MODULE CONTACT CITY OF SPARKS PARKS DEPARTMENT FOR FURNISHING CONTROLLER**
- (A) **CONTROLLER A: RAIN BIRD ESP-ME2 CONVENTIONAL WIRE CONTROLLER.**
- -c- IRRIGATION CONTROL WIRES IN CONDUIT OR WITH WARNING TAPE
- INLINE TREE DRIP RING ASSEMBLY: **RAIN BIRD XFS-CV-06-18**



NORTH

0 10 20 30 feet

SCALE: 1" = 10'

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NUGGET EVENTS CENTER FORECOURT

THE CITY OF SPARKS

SPARKS, NV

BRENT C. JEFFERY — CERTIFIED IRRIGATION DESIGNER — 26678 — COMMERCIAL

ISSUE DATE: September 21, 2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: TN REVIEWED: BJ

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

IRRIGATION PLAN

SHEET NUMBER

IR-1.0

INSTALLATION GENERAL NOTES

1. THE SYSTEM DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM OF 67 PSI (PER CITY PARKS DEPARTMENT), AT A MAXIMUM DISCHARGE OF 12 GPM AT THE 1.5-INCH IRRIGATION POINT-OF-CONNECTION (POC). THE IRRIGATION SYSTEM CONNECTION SHALL CONNECT TO AN EXISTING IRRIGATION MAINLINE. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION.
2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
4. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED, BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
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   - C. USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF TEES IN THE BULLNOSE CONFIGURATION, OR USE OF CROSS TYPE FITTINGS IS NOT ALLOWED.
6. PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:
   - A. TWO (2) OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVES.
7. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR. PIPE SLEEVES SHALL BE SIZED TWICE THE NOMINAL SIZE OF THE PIPE PASSING THROUGH.
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11. INSTALL VALVE BOXES WITHIN HARDSCAPED AREAS AS SHOWN PER PLAN. ALL VALVE BOXES INSTALLED WITHIN HARDSCAPE AREAS SHALL HAVE A REINFORCED CONCRETE BODY WITH A CAST IRON OR STEEL COVER.

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IRRIGATION LEGEND

- SLEEVES: **CLASS 200 PVC**
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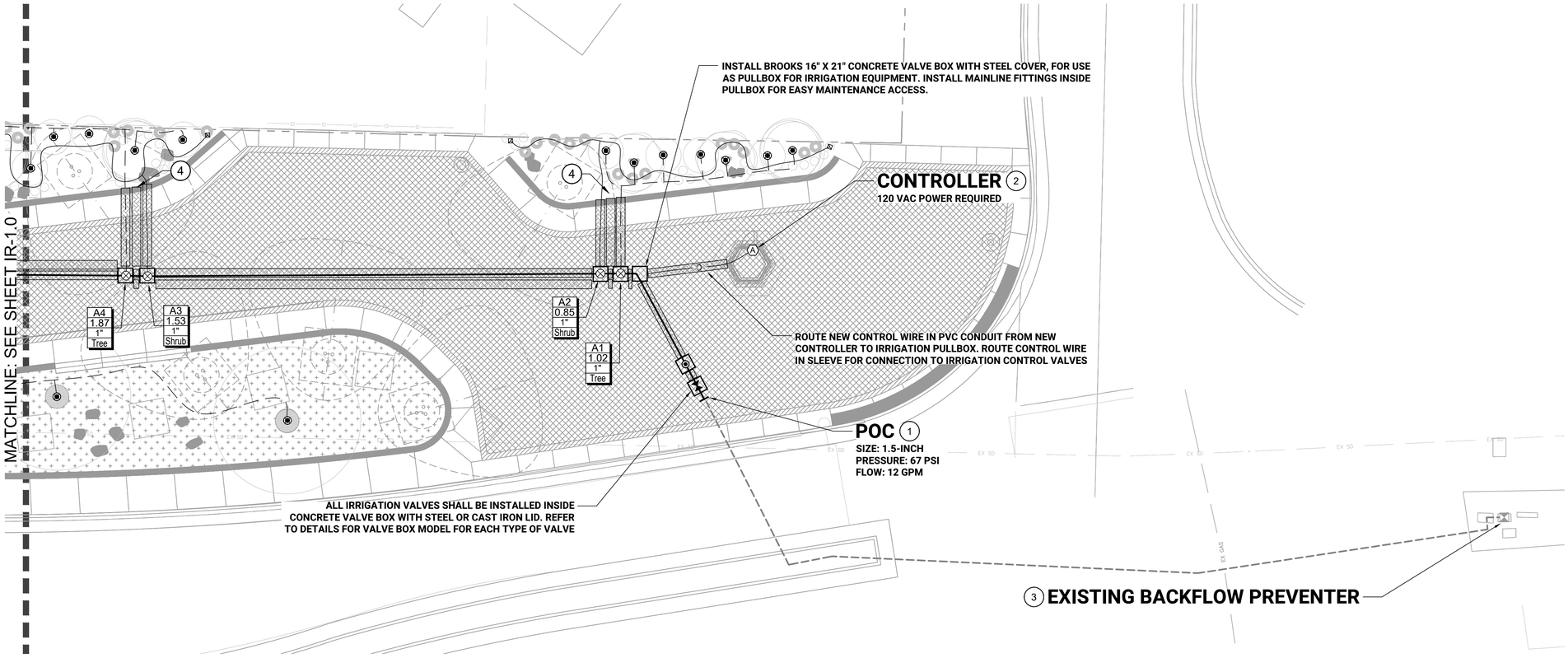

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NUGGET EVENTS CENTER FORECOURT

THE CITY OF SPARKS

SPARKS, NV

BRENT C. JEFFERY CERTIFIED IRRIGATION DESIGNER 26678 COMMERCIAL

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IRRIGATION PLAN

SHEET NUMBER

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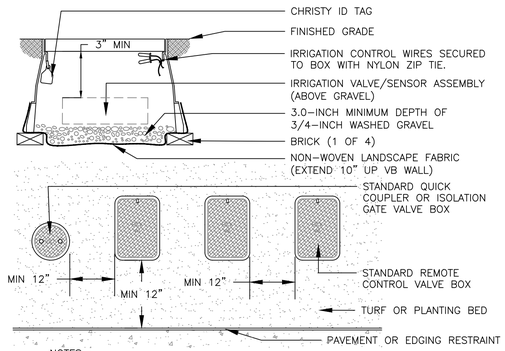
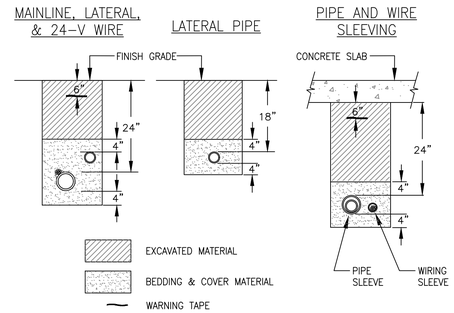


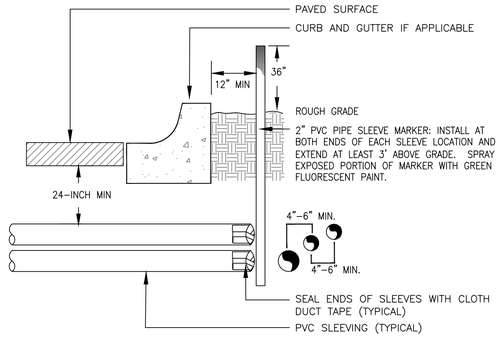
NOTES:
1. INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12–INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
2. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL, BUT AVOID GROUPING MORE THAN THREE (3) STANDARD VALVE BOXES TOGETHER IN A SERIES.
3. ARRANGE GROUPED VALVE BOXES IN RECTANGULAR PATTERNS.

1 TYPICAL VALVE BOX INSTALLATION



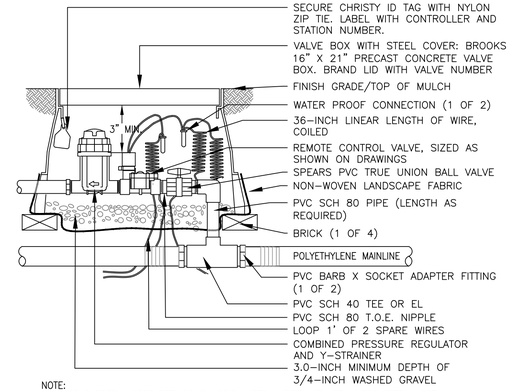
NOTES:
1. SLEEVE ALL PIPE AND WIRE SEPARATELY.
2. ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS."SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.
3. ALL 120–V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. TAPE AND BUNDLE 24–V WIRE EVERY 10' AND PROVIDE LOOSE 20" LOOP AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

2 TYPICAL TRENCHING DETAIL



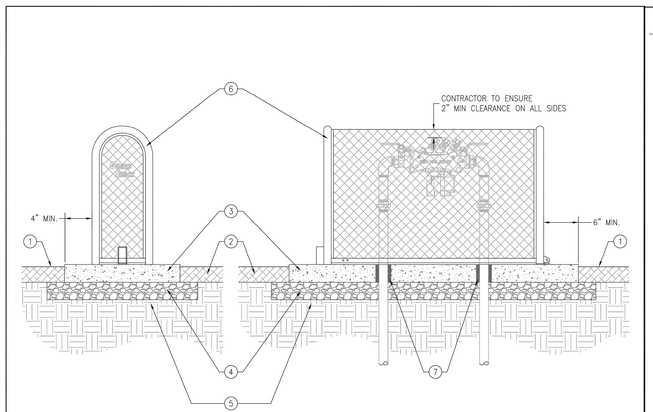
NOTE:
1) ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED.
2) INSTALL SLEEVES IN SIDE–BY–SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.

3 TYPICAL SLEEVING DETAIL



NOTE:
1. USE BARBED INSERT FITTINGS ON DRIP LATERAL PIPE WITH STAINLESS STEEL HOSE CLAMPS. PLACE CLAMPS ON DRIP TUBING DIRECTLY OVER BARBED AREA OF FITTING. PINCH CLAMPS ARE NOT ACCEPTABLE.

4 REMOTE CONTROL DRIP VALVE ASSEMBLY



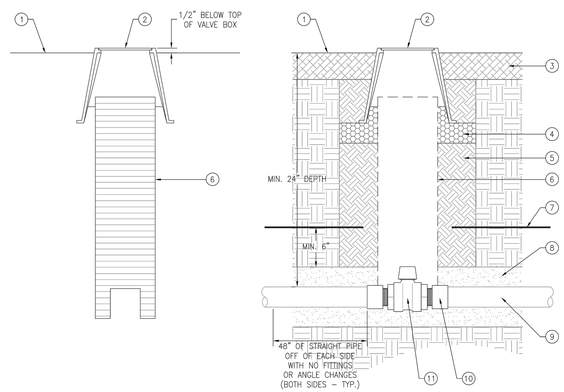
NOTE: CONTRACTOR TO VERIFY SIZE OF THE BACKFLOW ENCLOSURE PRIOR TO PURCHASING TO ENSURE THAT THE BACKFLOW AND ALL COMPONENTS WILL FIT IN THE ENCLOSURE. IF ANY DISCREPANCIES ARE FOUND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER'S REPRESENTATION AT LEAST 72 HOURS PRIOR TO PURCHASING OF THE ENCLOSURE.

ALIGNMENT=ALIGNMENT – (2)
STATION=883+76.84
OFFSET=0.00
NORTHING=14870117.80
EASTING=2294896.59

1. FINISH GRADE (TYP.)
2. GROUND COVER MULCH OR TURF PER LEGEND
3. CONCRETE PAD (4" THICK)
4. COMPACTED TYPE II BASE AGGREGATE (4" DEPTH) COMPACTED TO 95% RELATIVE COMPACTION
5. COMPACTED SUB–GRADE SOILS. COMPACTED TO 90% RELATIVE COMPACTION
6. BACKFLOW ENCLOSURE PER LEGEND
7. INSUL–LOCK SELF SEAL FOAM PIPE INSULATION (TYP.) FOR PIPING THAT IS SET IN CONCRETE.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (TYPICAL) BACKFLOW ENCLOSURE (2" OR LESS)	5
		DRAWN BY: GSJ DATE: 01/2020

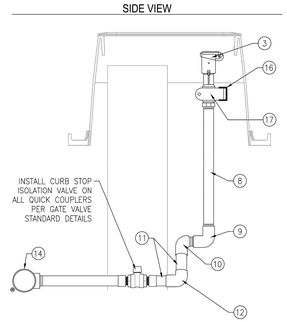
ISOLATION CURB STOP VALVE (2-1/2" MAIN LINE IN SIZE OR LESS)



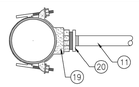
1. FINISH GRADE (TYPICAL)
2. ROUND BOX: CHRISTY F03 10–INCH ROUND CONCRETE VALVE BOX WITH CAST IRON OR STEEL COVER
3. GROUND COVER MULCH OR TURF PER LEGEND
4. DRAIN ROCK BACKFILL MATERIAL: 3/4" DRAIN ROCK (4" MIN DEPTH)
5. COMPACTED NATIVE SOILS PER TRENCHING DETAIL AND SPECIFICATION
6. STAND PIPE: 6" CORRUGATED ADS NON–PERFORATED DRAIN PIPE
7. DETECTABLE WARNING TAPE PER TRENCHING DETAIL AND SPECIFICATION
8. SAND BACKFILL AROUND MAIN LINE (MIN 3" ON ALL SIDES)
9. MAIN LINE PER LEGEND (2" MAIN LINE OR LESS)
10. MAIN LINE FITTING: SCHEDULE 80 MALE ADAPTER
11. BRASS INLINE CURB STOP GATE VALVE (FIP)

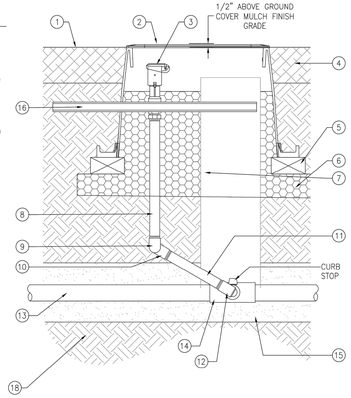
STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (TYPICAL) ISOLATION GATE VALVE (2-1/2" OR LESS)	6
		DRAWN BY: GSJ DATE: 01/2020

SIDE VIEW



FOR C900 MAIN LINE (6" IN SIZE OR GREATER





1. FINISH GRADE (TYP.)
2. VALVE BOX: BROOKS 16" X 21" PRE–CAST CONCRETE VALVE BOX WITH CAST IRON OR STEEL COVER
3. QUICK COUPLER PER LEGEND: 1" BRASS TWO PIECE QUICK COUPLER WITH LOCKING LID
4. GROUND COVER MULCH OR TURF PER LEGEND
5. CONCRETE BRICK OR PAVER
6. 3/4" DRAIN ROCK BACKFILL MATERIAL
7. COMPACTED NATIVE SOIL BACKFILL MATERIAL. COMPACT ALL BACKFILL MATERIAL IN 4" TO 6" LIFTS TO 90% RELATIVE COMPACTION.
8. 1" SCH 80 NIPPLE (LENGTH AS NEEDED FOR FINISH GRADE)
9. SCH 80 ELBOW TxT (90 FITTING)
10. SCH 80 STREET 90 ELBOW TxT
11. 1" SCH 80 NIPPLE (LENGTH AS NEEDED FOR FINISH GRADE)
12. SCH 80 STREET 90 ELBOW TxT
13. MAINLINE PER LEGEND
14. SCH 80 MAIN LINE FITTING PER LEGEND (SEE DETAIL FOR GASKETED MAIN LINE ON THIS SHEET IF APPLICABLE)
15. SAND BACKFILL PER MAIN LINE TRENCHING DETAIL
16. UNI–STRUT CHANNEL BRACKET 3' SECTION (BL B22SH 1–5/8" PERF EC CHANNEL 1)
17. CLAMP (BL BVT162 1–5/8 VIBRA CLAMP A716) CLAMP FOR UNI–STRUT CHANNEL BRACKET. CONTRACTOR TO REMOVE RUBBER GASKET BEFORE INSTALLATION
18. NATIVE SOILS
19. SADDLE FOR C900 MAIN LINE (IF APPLICABLE) 6" IN SIZE OR GREATER
20. SCH 80 BUSHING TxT

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (TYPICAL) QUICK COUPLER	7
		DRAWN BY: GSJ DATE: 01/2020

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BRENT C. JEFFERY CERTIFIED IRRIGATION DESIGNER 22678 COMMERCIAL

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Telephone: 970.282.1800
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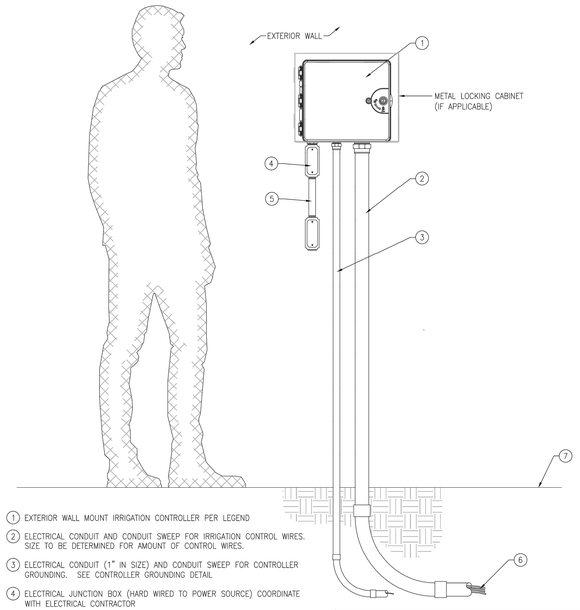
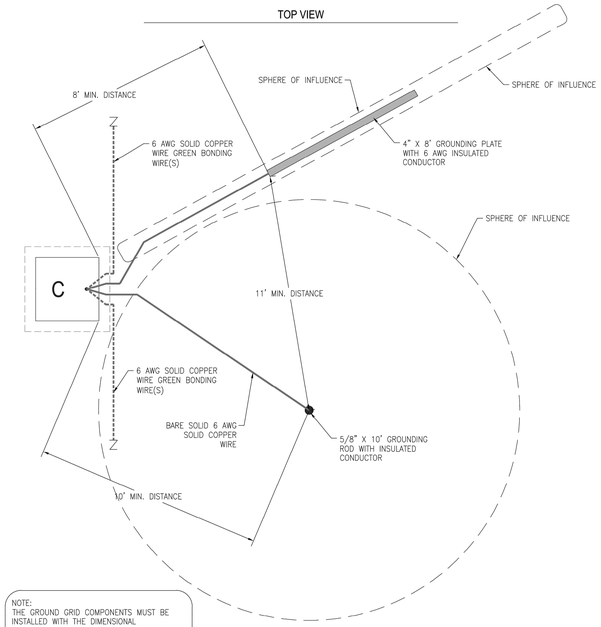


1. EXTERIOR WALL MOUNT IRRIGATION CONTROLLER PER LEGEND
2. ELECTRICAL CONDUIT AND CONDUIT SWEEP FOR IRRIGATION CONTROL WIRES. SIZE TO BE DETERMINED FOR AMOUNT OF CONTROL WIRES.
3. ELECTRICAL CONDUIT (1" IN SIZE) AND CONDUIT SWEEP FOR CONTROLLER GROUNDING. SEE CONTROLLER GROUNDING DETAIL
4. ELECTRICAL JUNCTION BOX (HARD WIRED TO POWER SOURCE) COORDINATE WITH ELECTRICAL CONTRACTOR
5. ELECTRICAL CONDUIT (1" IN SIZE) FOR ELECTRICAL CONNECTION PER ELECTRICAL CONTRACTOR
6. DIRECT BURIAL IRRIGATION CONTROL WIRE PER LEGEND
7. FINISH GRADE

NOTE:
1.) FOR EASE OF INSTALLATION, A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A SPLICE BOX AT THE BASE OF THE CONTROLLER AND TRANSITION THE IRRIGATION CONTROL WIRES INTO A MULTI-STRAND WIRE INTO THE CONTROLLER.
2.) PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS. PROVIDE WRITTEN TEST RESULTS TO THE OWNER'S REP PRIOR TO COMPLETION OF CONSTRUCTION.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks IRRIGATION DETAILS STANDARD (PARKS) WALL MOUNT CONTROLLER	8
	DRAWN BY: GSJ DATE: 01/2020

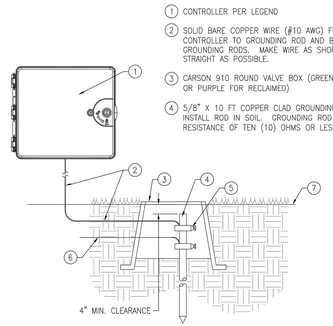
GROUNDING SPHERE OF INFLUENCE



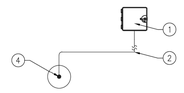
NOTE:
THE GROUND GRID COMPONENTS MUST BE INSTALLED WITH THE DIMENSIONAL RELATIONSHIP SHOWN IN THESE DETAILS. WIRES, CABLES, AND ELECTRONIC EQUIPMENT MUST BE INSTALLED OUTSIDE "THE SPHERE OF INFLUENCE" OF THE GROUNDING ELECTRODES.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks IRRIGATION DETAILS STANDARD (TYPICAL) CONTROLLER GROUNDING - PART 1A	9
	DRAWN BY: GSJ DATE: 01/2020

CONTROLLER GROUNDING (SINGLE ROD)



1. CONTROLLER PER LEGEND
2. SOLID BARE COPPER WIRE (#10 AWG) FROM CONTROLLER TO GROUNDING ROD AND BETWEEN ALL GROUNDING RODS. MAKE WIRE AS SHORT AND STRAIGHT AS POSSIBLE.
3. CARSON 910 ROUND VALVE BOX (GREEN FOR POTABLE OR PURPLE FOR RECLAIMED)
4. 5/8" X 10 FT COPPER CLAD GROUNDING ROD. INSTALL ROD IN SOIL. GROUNDING ROD TO HAVE A RESISTANCE OF TEN (10) OHMS OR LESS.
5. GROUND ROD CLAMP OR WELDS
6. BARE COPPER WIRE (#10 AWG MIN.) BETWEEN GROUNDING RODS.
7. FINISH GRADE



SPHERE OF INFLUENCE:
REFER TO SPHERE OF INFLUENCE DETAIL FOR OFFSET OF ALL WIRES, CABLES AND ELECTRICAL EQUIPMENT LOCATED WITHIN THE GROUNDING SPHERE.

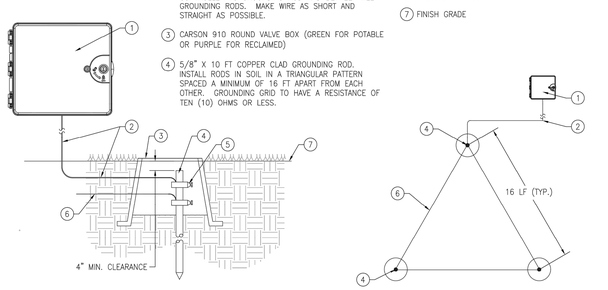
NOTE: CONTRACTOR TO INSTALL SINGLE ROD GROUNDING AND TEST TO SEE IF GROUND RESISTANCE OF 10 OHMS OR LESS IS ACHIEVED. IF 10 OHMS OR LESS IS NOT ACHIEVED INSTALL PER TRIPLE ROD STANDARD DETAIL.

PROVIDE WRITTEN TEST RESULTS TO THE OWNER'S REP PRIOR TO COMPLETION OF CONSTRUCTION.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks IRRIGATION DETAILS STANDARD (TYPICAL) CONTROLLER GROUNDING - PART 1	10
	DRAWN BY: GSJ DATE: 01/2020

CONTROLLER GROUNDING (TRIPLE ROD)

1. CONTROLLER PER LEGEND
2. SOLID BARE COPPER WIRE (#10 AWG) FROM CONTROLLER TO GROUNDING ROD AND BETWEEN ALL GROUNDING RODS. MAKE WIRE AS SHORT AND STRAIGHT AS POSSIBLE.
3. CARSON 910 ROUND VALVE BOX (GREEN FOR POTABLE OR PURPLE FOR RECLAIMED)
4. 5/8" X 10 FT COPPER CLAD GROUNDING ROD. INSTALL RODS IN SOIL IN A TRIANGULAR PATTERN SPACED A MINIMUM OF 16 FT APART FROM EACH OTHER. GROUNDING GRID TO HAVE A RESISTANCE OF TEN (10) OHMS OR LESS.
5. GROUND ROD CLAMP OR WELDS
6. BARE COPPER WIRE (#10 AWG MIN.) BETWEEN GROUNDING RODS.
7. FINISH GRADE



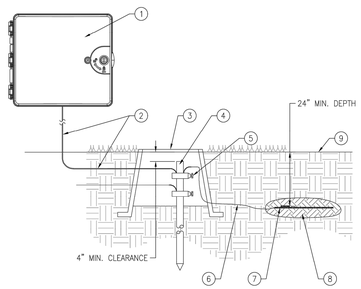
SPHERE OF INFLUENCE:
REFER TO SPHERE OF INFLUENCE DETAIL FOR OFFSET OF ALL WIRES, CABLES AND ELECTRICAL EQUIPMENT LOCATED WITHIN THE GROUNDING SPHERE.

NOTE: CONTRACTOR TO INSTALL TRIPLE ROD GROUNDING AND TEST TO SEE IF GROUND RESISTANCE OF 10 OHMS OR LESS IS ACHIEVED. IF 10 OHMS OR LESS IS NOT ACHIEVED INSTALL PER GROUNDING PLATE STANDARD DETAIL.

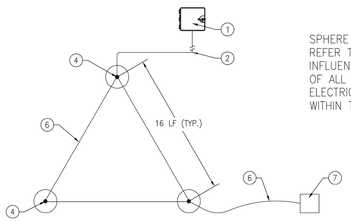
PROVIDE WRITTEN TEST RESULTS TO THE OWNER'S REP PRIOR TO COMPLETION OF CONSTRUCTION.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks IRRIGATION DETAILS STANDARD (TYPICAL) CONTROLLER GROUNDING - PART 2	11
	DRAWN BY: GSJ DATE: 01/2020

CONTROLLER GROUNDING (WITH GROUNDING PLATE)



1. CONTROLLER PER LEGEND
2. SOLID BARE COPPER WIRE (#10 AWG) FROM CONTROLLER TO GROUNDING ROD AND BETWEEN ALL GROUNDING RODS. MAKE WIRE AS SHORT AND STRAIGHT AS POSSIBLE.
3. CARSON 910 ROUND VALVE BOX (GREEN FOR POTABLE OR PURPLE FOR RECLAIMED)
4. 5/8" X 10 FT COPPER CLAD TRIPLE ROD GROUNDING. INSTALL RODS IN SOIL IN A TRIANGULAR PATTERN SPACED A MINIMUM OF 16 FT APART FROM EACH OTHER. GROUNDING GRID TO HAVE A RESISTANCE OF TEN (10) OHMS OR LESS.
5. GROUND ROD CLAMP OR WELDS
6. BARE COPPER WIRE (#6 AWG MIN.) BETWEEN GROUNDING ROD AND GROUNDING PLATE.
7. COPPER GROUNDING PLATE
8. GROUND ENHANCEMENT MATERIAL (IF REQUIRED)
9. FINISH GRADE



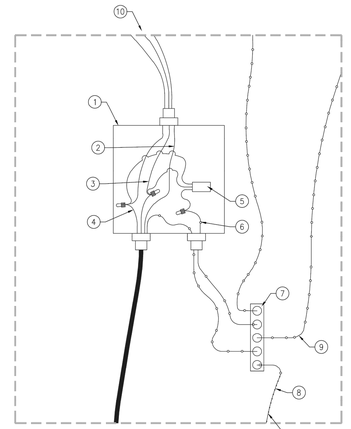
SPHERE OF INFLUENCE:
REFER TO SPHERE OF INFLUENCE DETAIL FOR OFFSET OF ALL WIRES, CABLES AND ELECTRICAL EQUIPMENT LOCATED WITHIN THE GROUNDING SPHERE.

NOTE: IF 10 OHMS OR LESS IS NOT ACHIEVED AFTER COMPLETION/INSTALLATION OF TRIPLE ROD GROUNDING AND GROUNDING PLAT, CONSULT WITH CITY REPRESENTATIVE ON HOW TO PROCEED FOR PROPER GROUNDING.

PROVIDE WRITTEN TEST RESULTS TO THE OWNER'S REP PRIOR TO COMPLETION OF CONSTRUCTION.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks IRRIGATION DETAILS STANDARD (TYPICAL) CONTROLLER GROUNDING - PART 3	12
	DRAWN BY: GSJ DATE: 01/2020

CONTROLLER ELECTRICAL JUNCTION BOX WITH SURGE PROTECTION



1. GRAY WATERPROOF JUNCTION BOX
2. GROUND WIRE (GREEN)
3. COMMON WIRE (WHITE)
4. HOT WIRE (RED)
5. SURGE PROTECTION: ZERO DT 120-1 SURGE PROTECTION FIELD INSTRUMENTATION
6. GROUND WIRE: GROUND WIRE FROM ZERO DT SURGE PROTECTION TO GROUNDING BAR
7. GROUNDING BAR: GE LOAD CENTER GROUND BAR KIT
8. GROUND WIRE: #10 BARE GROUND WIRE FROM GROUNDING BAR TO GROUNDING ROD. INSTALL GROUNDING ROD PER STANDARD DETAIL
9. GROUNDING WIRE: 18 GAUGE GROUND WIRE FROM GROUNDING BAR TO THE CONTROLLER
10. ELECTRICAL TO CONTROLLER

NOTE: CONTRACTOR TO TEST TO SEE IF GROUND RESISTANCE OF 10 OHMS OR LESS IS ACHIEVED. IF 10 OHMS OR LESS IS NOT ACHIEVED INSTALL ADDITIONAL GROUNDING PER STANDARD GROUNDING DETAILS.

PROVIDE WRITTEN TEST RESULTS TO THE OWNER'S REP PRIOR TO COMPLETION OF CONSTRUCTION.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
City of Sparks IRRIGATION DETAILS STANDARD (TYPICAL) CONTROLLER WIRING AT ELECTRICAL CONN.	13
	DRAWN BY: GSJ DATE: 01/2020

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THE CITY OF SPARKS
SPARKS, NV

BRENT C. JEFFERY CERTIFIED IRRIGATION DESIGNER 26678 COMMERCIAL

ISSUE DATE: September 21, 2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: TN REVIEWED: BJ

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

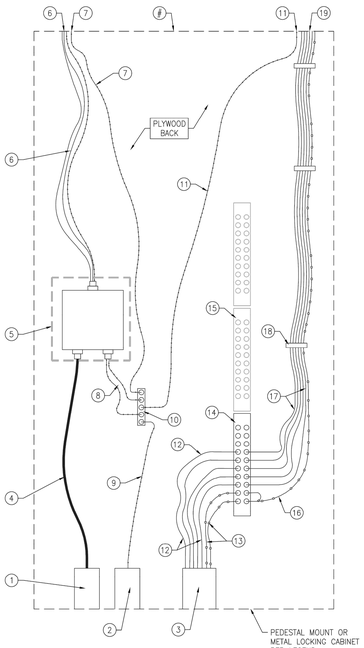
IRRIGATION DETAILS

SHEET NUMBER

IR-2.1

Hines Inc
SITE WATER ENGINEERING SERVICES
323 W. DRAKE RD, SUITE 204
FORT COLLINS, COLORADO 80526
Telephone: 970.282.1800
Web: www.hinesinc.com

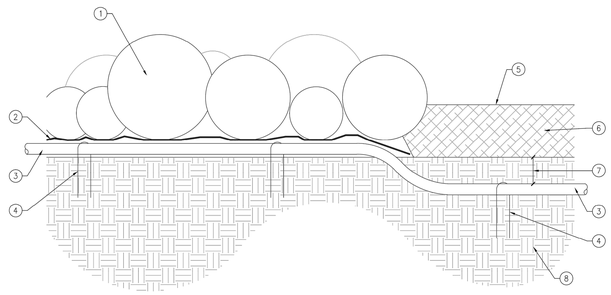
IRRIGATION CONTROL WIRING AT CONTROLLER



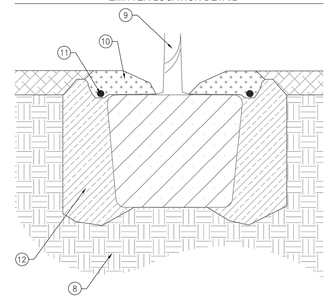
1. ELECTRICAL CONDUIT: 1" GRAY ELECTRICAL CONDUIT FOR POWER TO CONTROLLER
2. ELECTRICAL CONDUIT: 1" GRAY ELECTRICAL CONDUIT FOR GROUNDING WIRE THAT RUNS TO THE CONTROLLER GROUNDING. INSTALL GROUNDING PER STANDARD GROUNDING DETAILS
3. ELECTRICAL CONDUIT: GRAY ELECTRICAL CONDUIT FOR ALL IRRIGATION CONTROL WIRES. SIZE AS NEEDED TO FIT ALL 14 GAUGE CONTROL AND COMMON WIRES
4. ELECTRICAL WIRING: INCOMING POWER TO CONTROLLER
5. GRAY WATERPROOF JUNCTION BOX. INSTALL PER CONTROLLER ELECTRICAL WIRING STANDARD DETAIL WITH ZERO DT SURGE PROTECTION
6. ELECTRICAL WIRING: WIRING FROM JUNCTION BOX TO CONTROLLER. INSTALL PER CONTROLLER ELECTRICAL WIRING STANDARD DETAIL WITH ZERO DT SURGE PROTECTION
7. GROUNDING WIRE: ADDITIONAL GROUNDING FROM CONTROLLER
8. GROUNDING WIRES: GROUNDING FROM CONTROLLER ELECTRICAL JUNCTION BOX AND ZERO DT SURGE PROTECTION PER STANDARD DETAIL
9. GROUNDING WIRE: #10 BARE GROUNDING WIRE FROM GROUNDING BAR TO GROUNDING ROD. INSTALL GROUNDING ROD AND WIRE PER STANDARD DETAILS
10. GROUNDING BAR: GE LOAD CENTER GROUND BAR KIT
11. GROUNDING WIRE: 18 GAUGE GROUND WIRE TO CONTROLLER
12. IRRIGATION CONTROL WIRES: 14 GAUGE IRRIGATION CONTROL WIRES PER LEGEND
13. IRRIGATION COMMON WIRES: SIZE SHALL BE ONE (1X) SIZE LARGER THAN THE CONTROL WIRES OR INSTALL TWO (2) 14 GAUGE COMMON WIRES.
14. TERMINAL BLOCK: TERMINAL BLOCK BARRIER STRIP (H TYPE #22) 20 AMP TERMINAL BLOCK
15. ADDITIONAL TERMINAL BLOCK: CONTRACTOR TO FURNISH AND INSTALL AS MANY TERMINAL BLOCKS AS NEEDED TO ACCOMMODATE ALL IRRIGATION CONTROL AND COMMON WIRES AS SHOWN
16. COMMON WIRE: COMMON WIRE FROM TERMINAL BLOCK TO THE CONTROLLER. THE COMMON WIRE SIZE SHALL BE ONE (1X) LARGER THAN THE SIZE OF THE CONTROL WIRES
17. CONTROL WIRE: 18 GAUGE CONTROL WIRE FROM THE TERMINAL BLOCK TO THE CONTROLLER
18. ZIP TIE: CONTRACTOR TO ZIP TIE ALL WIRES TOGETHER FROM THE TERMINAL BLOCK TO THE CONTROLLER WIRING BLOCK
19. WIRE BUNDLE: IRRIGATION CONTROL WIRES AND COMMON WIRES (TO CONTROLLER)

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (TYPICAL) CONTROLLER WIRING AT CONTROLLER	14
	DRAWN BY: GSJ	DATE: 01/2020

DRIP DISTRIBUTION TUBING DETAIL



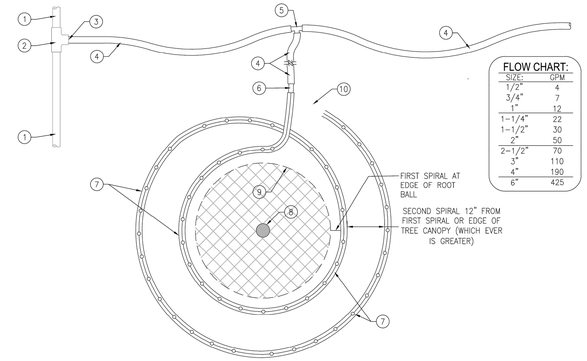
EMITTER LOCATION DETAIL



1. ROCK GROUND COVER MULCH (PER LEGEND) WITH LANDSCAPE FABRIC BENEATH
2. LANDSCAPE FABRIC
3. DRIP 17MM DISTRIBUTION TUBING PER LEGEND
4. LANDSCAPE STAPLES EVERY (+/-) 5 LF ON CENTER
5. FINISH GRADE (TYP.)
6. DECOMPOSED GRANITE GROUND COVER MULCH (DO NOT INSTALL LANDSCAPE FABRIC BENEATH THE DG MULCH)
7. BURY DRIP 17MM DISTRIBUTION TUBING MIN. 3" DEPTH INTO THE NATIVE SOILS UNDER ALL GROUND COVER MULCHES THAT DO NOT HAVE FABRIC BENEATH
8. NATIVE SOILS (TYP.)
9. TYPICAL TREE OR SHRUB PLANTING
10. BARK MULCH IN PLANT WATERING BASINS
11. RAIN BIRD XFS DRIP TUBING: CONTRACTOR TO LOCATED THE INLINE DRIP AT THE EDGE OF THE PLANT ROOTBALL AS SHOWN
12. TREE OR SHRUB PLANTING BACKFILL MATERIAL PER PLANTING STANDARD DETAILS

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (TYPICAL) DRIP, DISTRIBUTION LINE LAYOUT	15
	DRAWN BY: GSJ	DATE: 01/2020

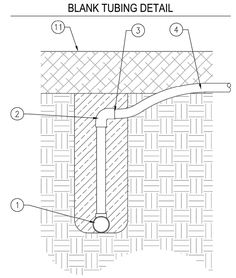
DRIP TREE RING (SPIRAL)



FLOW CHART:

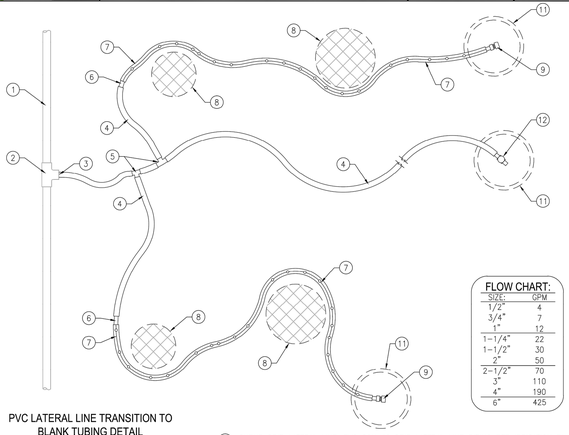
SIZE:	GPM
1/2"	4
3/4"	7
1"	12
1-1/4"	22
1-1/2"	30
2"	50
2-1/2"	70
3"	110
4"	190
6"	425

PVC LATERAL LINE TRANSITION TO BLANK TUBING DETAIL



1. TREE DRIP VALVE LATERAL LINE: PVC SCH 40 DRIP LATERAL LINE PIPING PER IRRIGATION PLAN. INSTALL PER LATERAL LINE TRENCHING STANDARD DETAIL
2. SCH 40 DRIP LATERAL LINE FITTINGS (TYP.)
3. TRANSITION FROM PVC TREE DRIP LATERAL LINE TO RAIN BIRD 17MM XF BLANK TUBING
4. DRIP DISTRIBUTION TUBING: RAIN BIRD 17MM XF BLANK TUBING
5. DRIP FITTINGS: 17MM BARBED INLINE TEE FITTING (TYP.)
6. DRIP FITTINGS: 17MM BARBED INLINE DRIP TUBING FITTINGS (TYP.) DRIP TRANSITION FROM BLANK TUBING TO XFS TUBING – 17MM BARBED FITTING
7. DRIP TREE SPIRAL: RAIN BIRD 17MM XFS DRIP TUBING (0.6 GPH AT 18" SPACING)
8. EDGE OF TREE ROOT BALL (TYPICAL)
9. TRUCK OF TREE (TYPICAL)
10. END OF DRIP RUN: THREADED CAP FLUSHING END CAP (17MM BARB X 1/2" MPT MALE ADAPTER WITH SCH 40 THREADED CAP) PER TREE END OF DRIP RUN STANDARD DETAIL (PARK ONLY)
11. FINISH GRADE (TYPICAL)

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (PARKS) DRIP, TREE RING	16
	DRAWN BY: GSJ	DATE: 01/2020



FLOW CHART:

SIZE:	GPM
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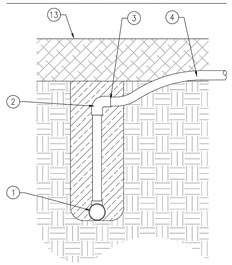
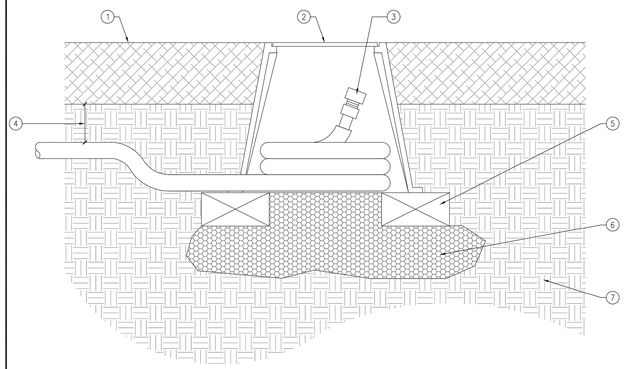
PVC LATERAL LINE TRANSITION TO BLANK TUBING DETAIL



1. SHRUB DRIP LATERAL LINE: PVC SCH 40 DRIP LATERAL LINE PIPING PER IRRIGATION PLAN. INSTALL PER LATERAL LINE TRENCHING STANDARD DETAIL
2. SCH 40 DRIP LATERAL LINE FITTINGS (TYP.)
3. TRANSITION FROM PVC TREE DRIP LATERAL LINE TO RAIN BIRD 17MM XF BLANK TUBING
4. DRIP DISTRIBUTION TUBING: RAIN BIRD 17MM XF BLANK TUBING
5. DRIP FITTINGS: RAIN BIRD 17MM XF BARBED FITTINGS (TYP.)
6. DRIP TRANSITION FROM BLANK TUBING TO XFS TUBING – 17MM BARBED FITTING
7. SHRUB DRIP DISTRIBUTION TUBING: RAIN BIRD 17MM XFS DRIP TUBING (0.6 GPH AT 18" SPACING)
8. EDGE OF SHRUB ROOT BALL (TYPICAL)
9. END OF DRIP RUN: THREADED CAP FLUSHING END CAP (17MM BARB X 1/2" MPT MALE ADAPTER WITH SCH 40 THREADED CAP) PER SHRUB END OF DRIP RUN STANDARD DETAIL
10. END OF DRIP RUN: 17MM BALL VALVE PER SHRUB END OF DRIP RUN STANDARD DETAIL
11. VALVE BOX: STANDARD CARSON 910 (10" ROUND BOX) GREEN FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER
12. FINISH GRADE (TYP.)

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (TYPICAL) DRIP, SHRUB DRIP LINE LAYOUT	17
	DRAWN BY: GSJ	DATE: 01/2020

END OF DRIP RUN (MALE ADAPTER WITH CAP) - PARK ONLY



NOTE: FOR ALL TREES AND SHRUBS LOCATED WITHIN A PARK

1. FINISH GRADE (TYP.)
2. VALVE BOX: CARSON 910 ROUND BOX (GREEN IN COLOR FOR POTABLE WATER AND PURPLE IN COLOR FOR RECLAIMED WATER)
3. END OF DRIP RUN: THREADED CAP FLUSHING END CAP (17MM BARB X 1/2" MPT MALE ADAPTER WITH SCH 40 THREADED CAP) PER TREE END OF DRIP RUN STANDARD DETAIL (PARK ONLY)
4. BURY DRIP POLY DISTRIBUTION TUBING MIN. 3" DEPTH INTO THE NATIVE SOILS UNDER ALL GROUND COVER MULCHES THAT DO NOT HAVE FABRIC BENEATH (I.E. BARK OR DG MULCH)
5. CONCRETE BRICK OR PAVER FOR VALVE BOX SUPPORT
6. DRAIN ROCK BACKFILL MATERIAL: 3/4" DRAIN ROCK SUMP
7. NATIVE SOILS

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION		DRAWING No.
City of Sparks	IRRIGATION DETAILS STANDARD (PARKS) DRIP, END OF DRIP RUN	18
	DRAWN BY: GSJ	DATE: 01/2020

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THE CITY OF SPARKS
SPARKS, NV

BRENT C. JEFFERY CERTIFIED IRRIGATION DESIGNER 26678 COMMERCIAL

ISSUE DATE: September 21, 2022

REVISIONS

#	DATE	DESCRIPTION

DRAWN: TN REVIEWED: BJ

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 6834

IRRIGATION DETAILS

SHEET NUMBER

IR-2.2

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Web: www.hinesinc.com