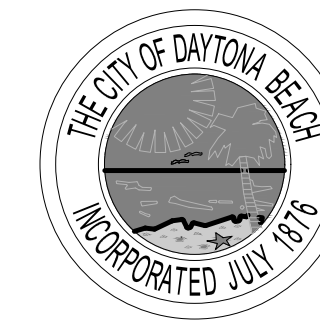


# HENRY LEE PARK IMPROVEMENTS

THE CITY OF DAYTONA BEACH



PUBLIC WORKS DEPARTMENT  
TECHNICAL SERVICES

950 BELLEVUE AVENUE  
DAYTONA BEACH, FL 32114

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CITY MANAGER  
PUBLIC WORKS DIRECTOR  
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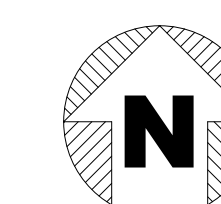
INDEX OF DRAWINGS	SHEET
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<b>ARCHITECTURAL</b>	
SITE PLAN	A1.2
PAVILION FLOOR PLAN + RCP	A2.1
PAVILION DETAILS	A2.2
<b>STRUCTURAL</b>	
GENERAL STRUCTURAL NOTES	S-001
PLANS, SECTIONS, AND DETAILS	S-101

## PROJECT LOCATION



## VICINITY MAP

SCALE: NTS



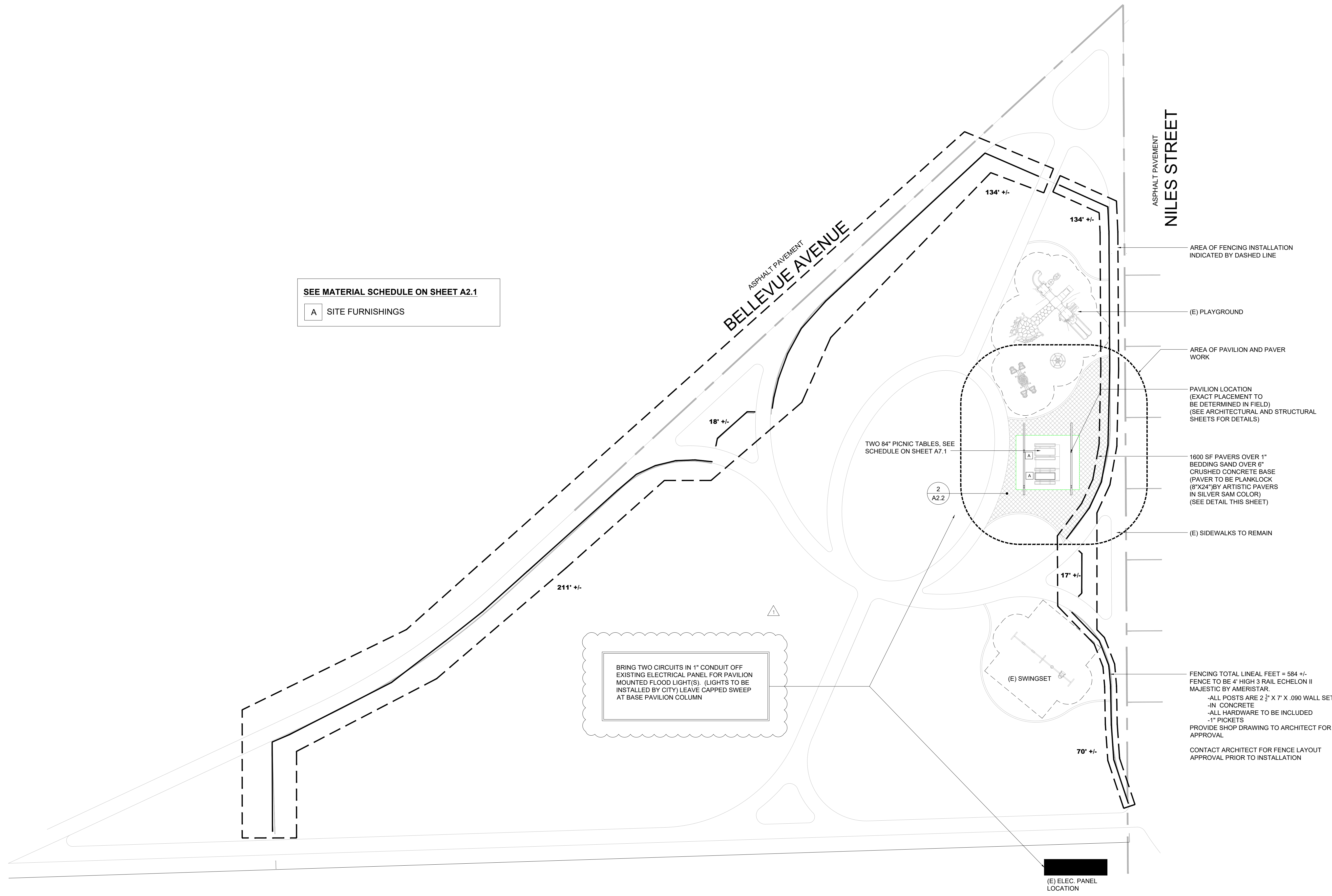
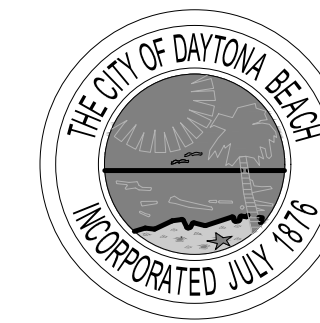
ISSUE	DATE
BID SET	9.26.19
ADDENDUM 1	11.6.19

**PAVILION,  
PAVERS, AND  
FENCING FOR  
HENRY LEE  
PARK**

701 BELLEVUE ROAD  
DAYTONA BEACH, FL  
32114

SCALE: AS NOTED  
DRAWN: BCC  
CHECKED: BCC  
PROJECT NO: 2019-010

# A0.1



SEE MATERIAL SCHEDULE ON SHEET A2.1  
A SITE FURNISHINGS

BRING TWO CIRCUITS IN 1" CONDUIT OFF EXISTING ELECTRICAL PANEL FOR PAVILION MOUNTED FLOOD LIGHT(S). (LIGHTS TO BE INSTALLED BY CITY) LEAVE CAPPED SWEEP AT BASE PAVILION COLUMN

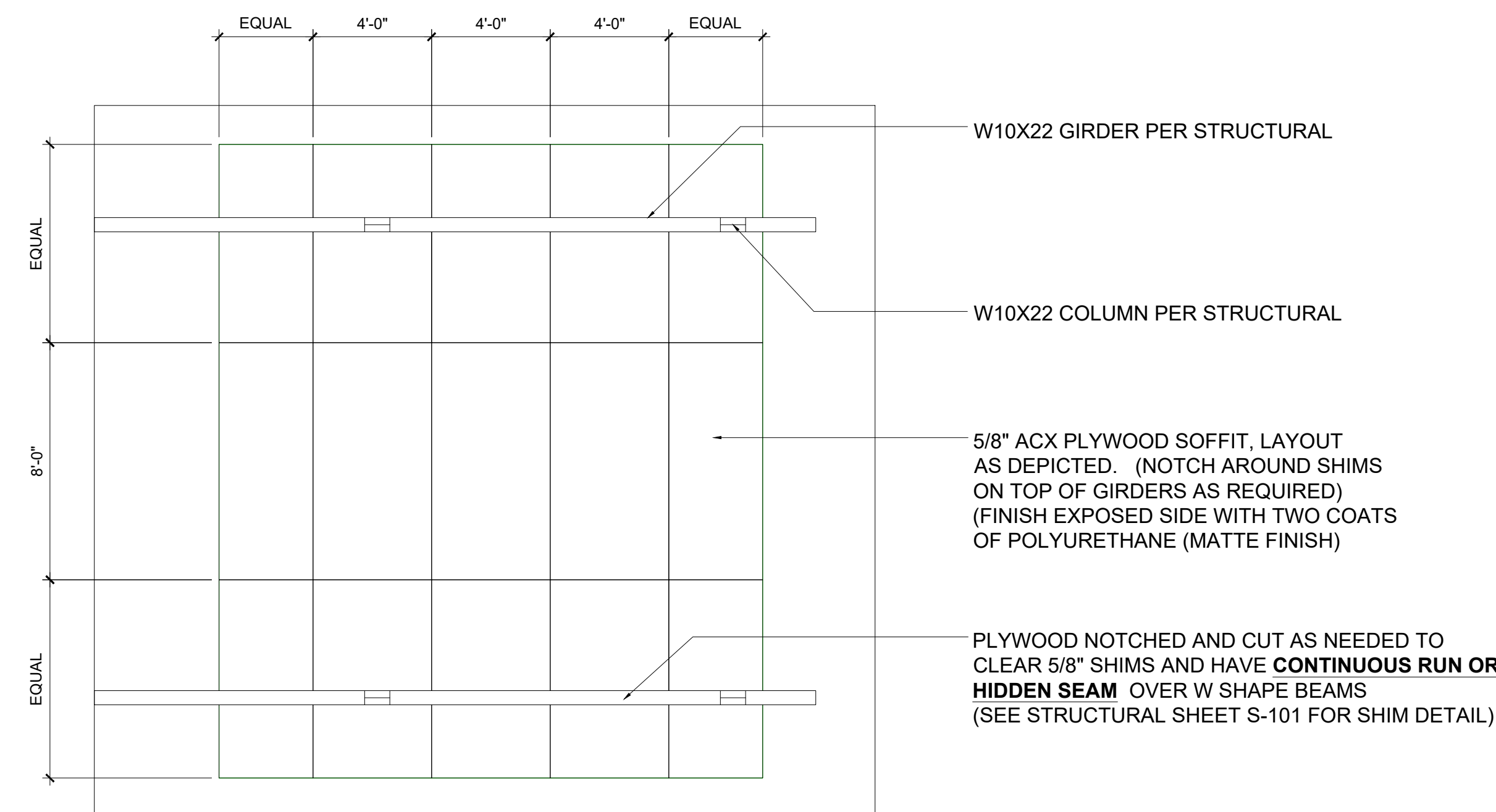
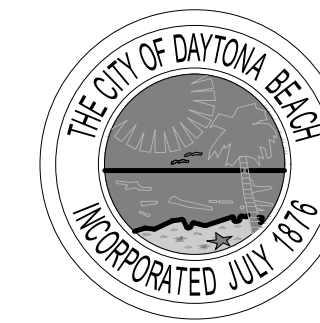
- AREA OF FENCING INSTALLATION INDICATED BY DASHED LINE
- (E) PLAYGROUND
- AREA OF PAVILION AND PAVER WORK
- PAVILION LOCATION (EXACT PLACEMENT TO BE DETERMINED IN FIELD) (SEE ARCHITECTURAL AND STRUCTURAL SHEETS FOR DETAILS)
- 1600 SF PAVERS OVER 1" BEDDING SAND OVER 6" CRUSHED CONCRETE BASE (PAVER TO BE PLANKLOCK (8"X24")BY ARTISTIC PAVERS IN SILVER SAM COLOR) (SEE DETAIL THIS SHEET)
- (E) SIDEWALKS TO REMAIN
- TWO 84" PICNIC TABLES, SEE SCHEDULE ON SHEET A7.1
- (E) SWINGSET
- FENCING TOTAL LINEAL FEET = 584 +/-  
FENCE TO BE 4' HIGH 3 RAIL ECHELON II MAJESTIC BY AMERISTAR.  
-ALL POSTS ARE 2 1/2" X 7' X .090 WALL SET  
-IN CONCRETE  
-ALL HARDWARE TO BE INCLUDED  
-1" PICKETS  
PROVIDE SHOP DRAWING TO ARCHITECT FOR APPROVAL  
CONTACT ARCHITECT FOR FENCE LAYOUT APPROVAL PRIOR TO INSTALLATION
- (E) ELEC. PANEL LOCATION

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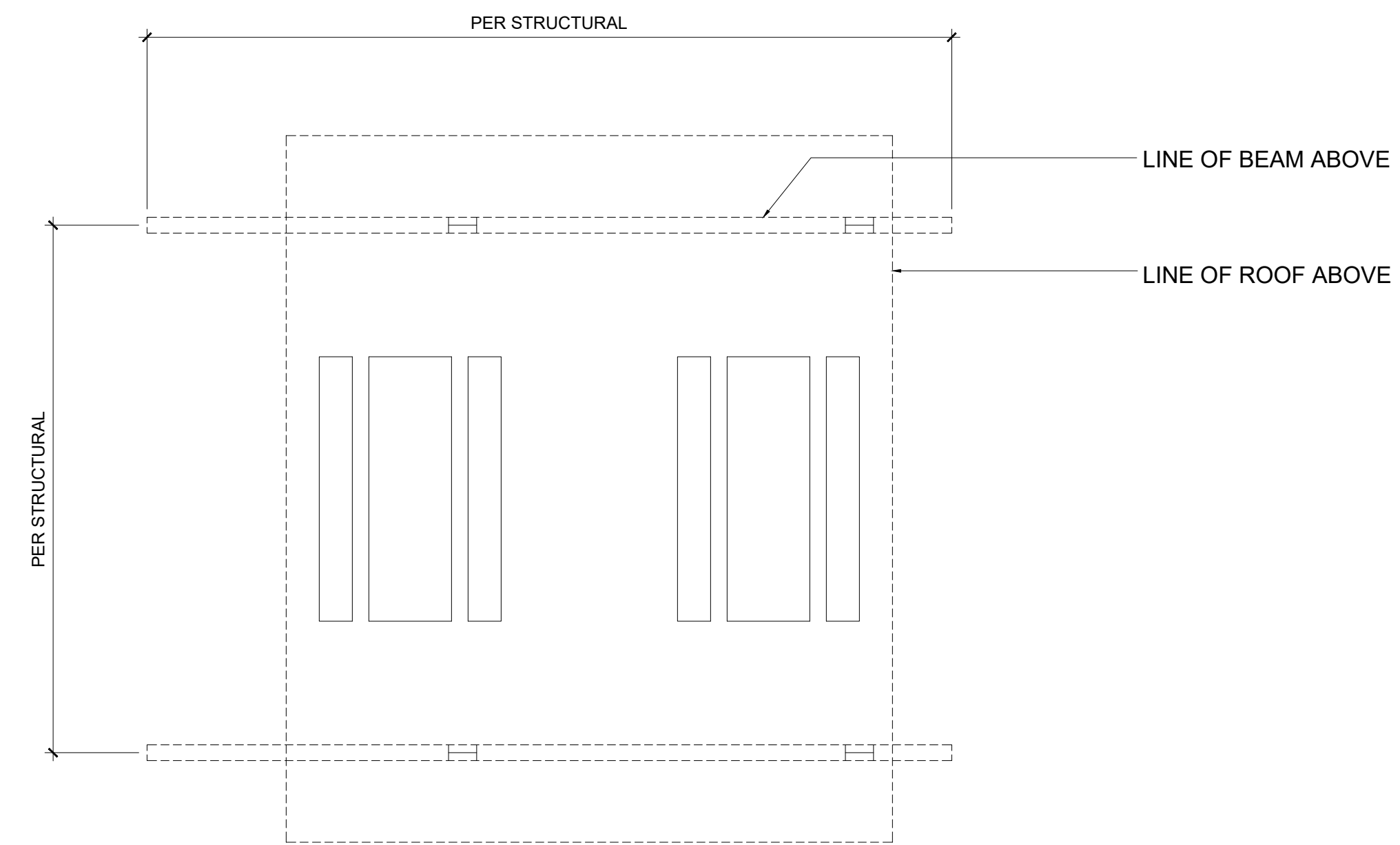
SCALE:	AS NOTED
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**PAVILION REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"

**REFLECTED CEILING PLAN NOTES**

1. ALIGN PLYWOOD FOR CONSISTENT SCREW PATTERN AS NEEDED
2. SELF TAPPING TAPERED HEAD S.S. #10 SCREWS TO BE USED TO FASTEN PLYWOOD SOFFIT

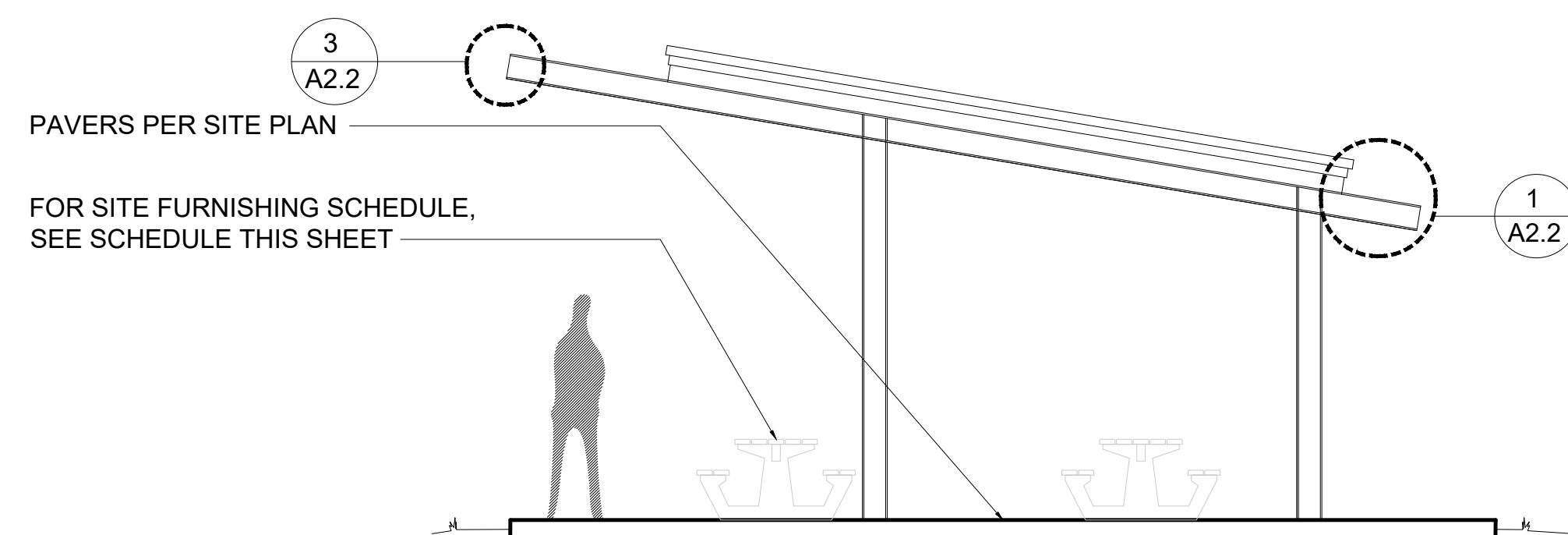


**PAVILION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

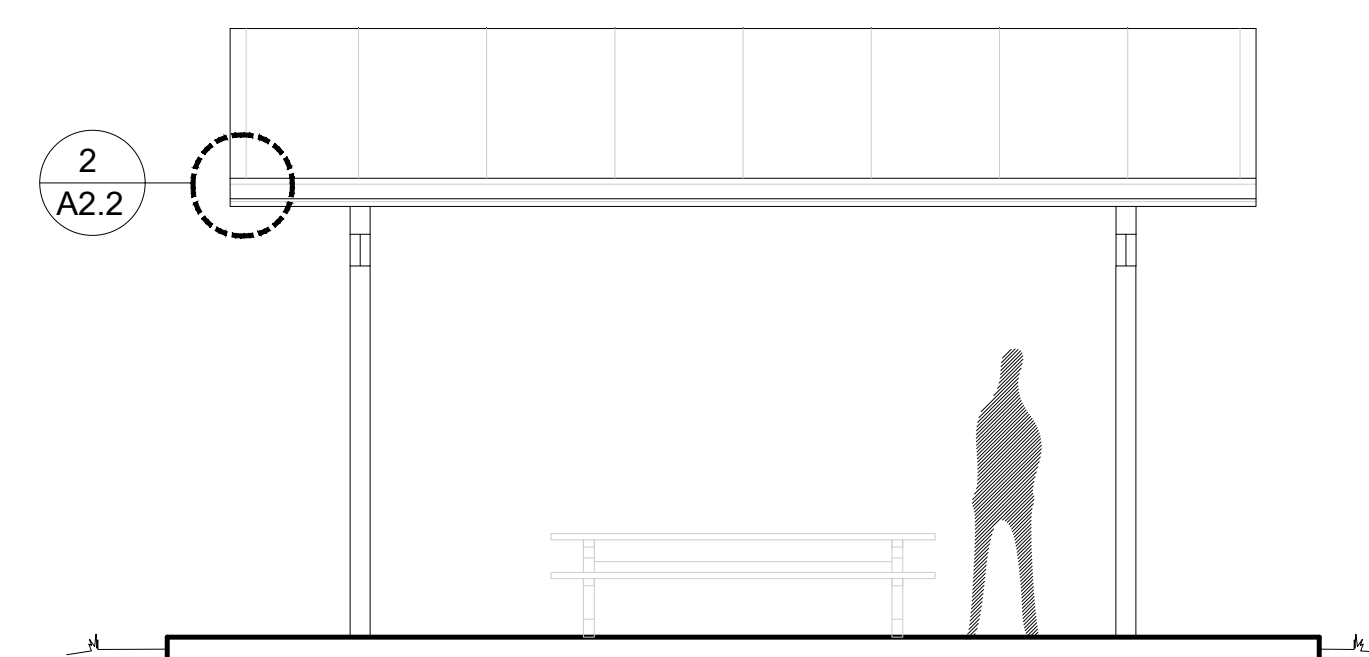
**FLOOR PLAN NOTES**

1. FOR FLOOR PLAN DIMENSIONS REFER TO SHEET S101

ISSUE	DATE
BID SET	9.26.19



**2 PAVILION ELEVATION**  
1/4" = 1'-0"



**1 PAVILION ELEVATION**  
1/4" = 1'-0"

**PAVILION, PAVERS, AND FENCING FOR HENRY LEE PARK**

701 BELLEVUE ROAD  
DAYTONA BEACH, FL  
32114

**SITE FURNISHING SCHEDULE**

MARK	MANUFACTURER	PRODUCT/DESCRIPTION	QUANTITY	FINISH	REMARKS
A	WASAU	TF3212 (84" VERSION)	2	G23 GRAY	ALL BENCHES AND TABLES TO BE FASTENED PER MANUFACTURERS SPECIFICATIONS

NOTE: BEFORE MOUNTING ANY SITE FURNISHING AND EQUIPMENT, PLEASE CONTACT ARCHITECT FOR LAYOUT APPROVAL

**PAVILION FINISH SCHEDULE**

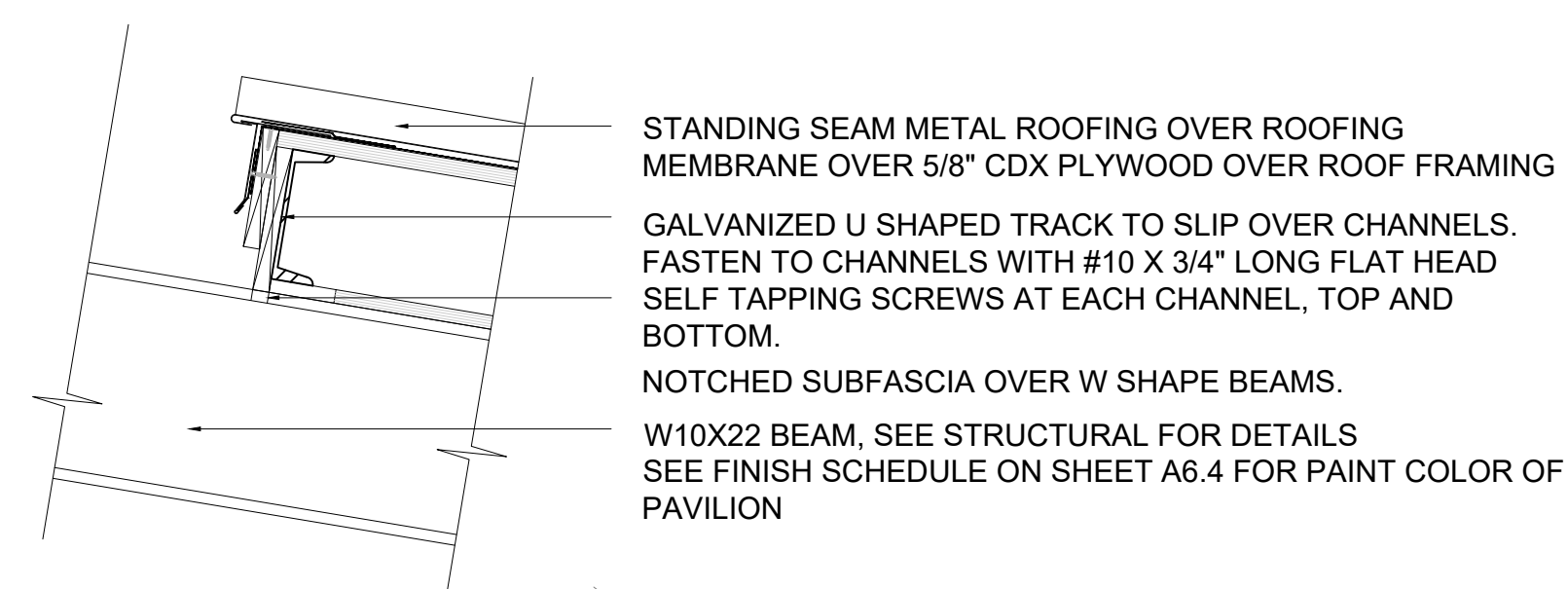
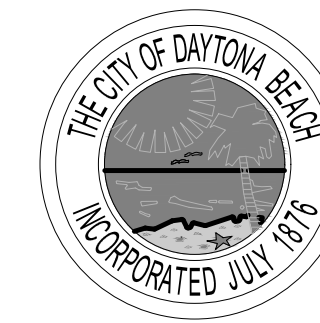
LOCATION	PAINT COLOR	PRODUCT/DESCRIPTION
PAVILION COLUMNS	PT-1	DURATION MATTE (SHERWIN WILLIAMS)
PAVILION EXPOSED PLYWOOD SOFFIT	PT-2	SATIN SHEEN
PAVILION FLOORING AND ADJACENT PATIO AREAS	PV-1	

MATERIAL LEGEND NOTES:

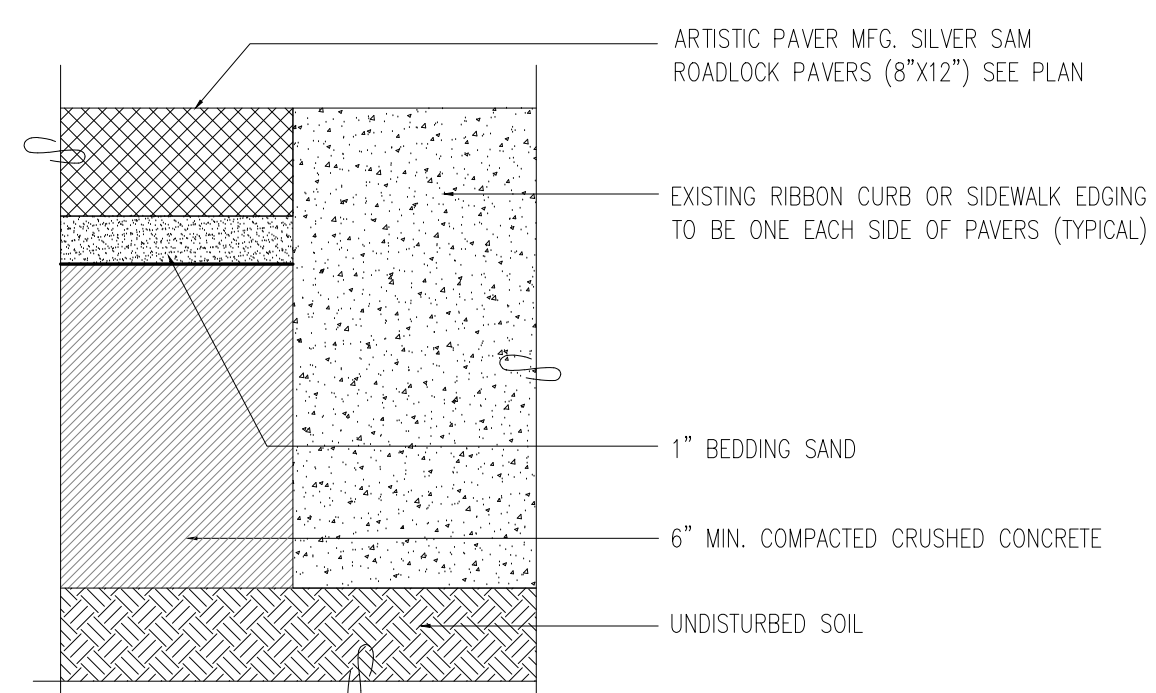
- PT-1 SHERWIN WILLIAMS DURATION ALABASTER #SW7008 MATTE (INTERIOR) MATTE (EXTERIOR) OR APPROVED EQUAL
- PT-2 OSMO OIL CLEAR UV PROTECTION (SATIN SHEEN) OR APPROVED EQUAL
- PV-1 PAVER TO BE PLANKLOCK (8"x24")BY ARTISTIC PAVERS IN SILVER SAM COLOR

SCALE:	AS NOTED
DRAWN:	BCC
CHECKED:	BCC
PROJECT NO:	2019-010

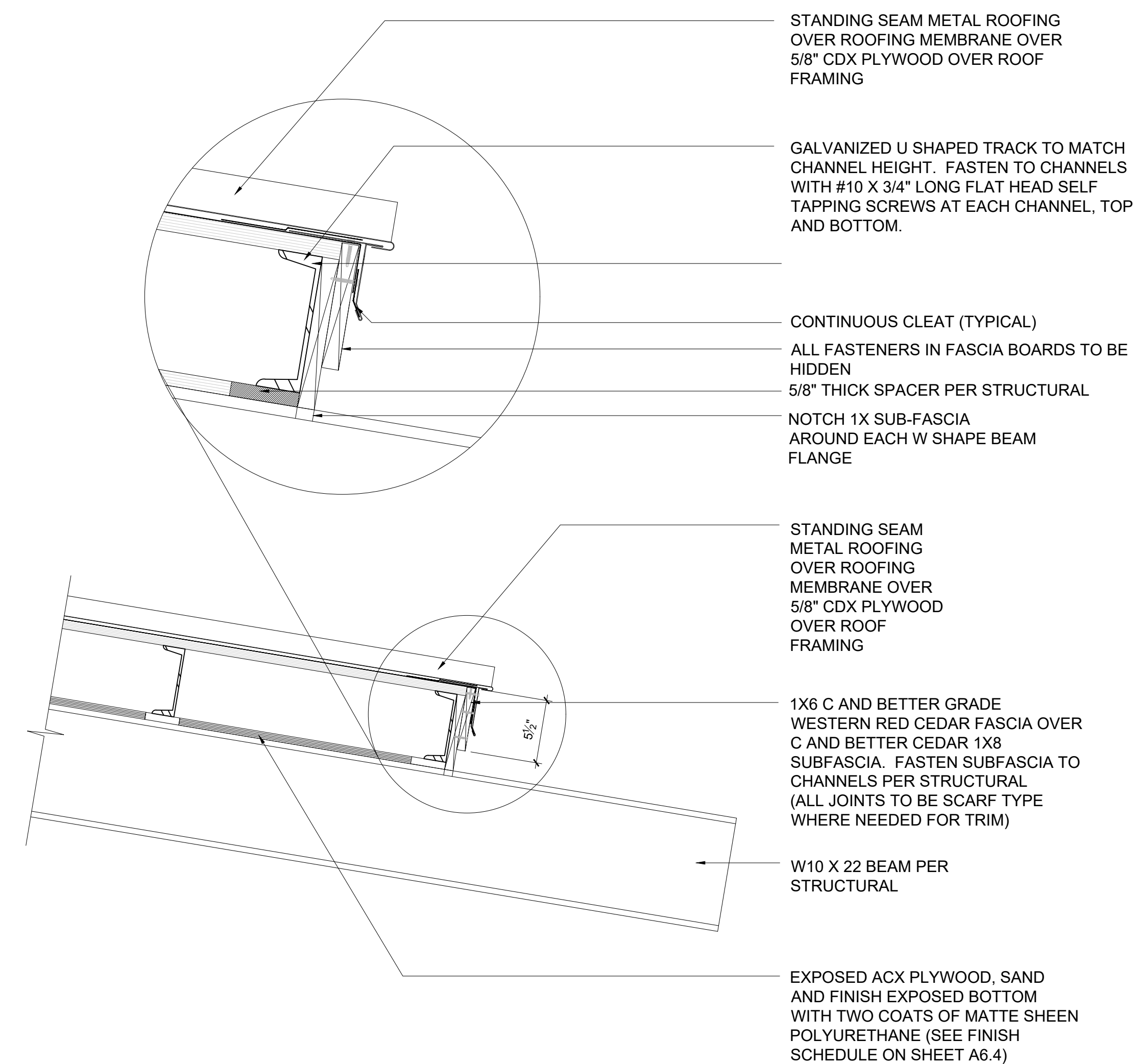
**A2.1**



**3** ROOF EDGE UPPER DETAIL  
SCALE: 1-1/2" = 1'-0"



**2** PAVER DETAIL  
SCALE: 3" = 1'-0"



**1** ROOF EDGE LOWER DETAIL  
SCALE: 1-1/2" = 1'-0"

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# DESIGN SPECIFICATIONS

- DESIGN IS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2017.
- MINIMUM 28 DAY CONCRETE CYLINDER STRENGTH SHALL BE:
  - FOOTINGS AND SLAB ON GRADE 3000 PSI
  - OTHERS 3000 PSI
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
- STRUCTURAL STEEL W-SHAPES SHALL CONFORM TO ASTM A992 GRADE 50.
- STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, AND OTHER ROLLED MEMBERS SHALL CONFORM TO ASTM A36.
- ANCHOR RODS SHALL BE ASTM F1554 GRADE 36.
- ASSUMED BEARING CAPACITY FOR SPREAD FOOTINGS IS 2000 PSF.
- DESIGN LOADS:
  - MINIMUM ROOF LIVE LOAD 20 PSF
  - LIVE LOAD REDUCTION PER FBC 2017 SECTION 1607.10 IS INCLUDED
  - WIND LOAD (ASCE 7-10) OCCUPANCY CATEGORY II, BASIC WIND SPEED V = 148 MPH, EXPOSURE B, INTERNAL PRESSURE COEFFICIENT GCp = 0.0
- ALL STRUCTURAL FRAMING AND CONNECTIONS HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE STRUCTURAL FRAMING AND CONNECTIONS FOR ADEQUACY DURING THE ERECTION AND CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND JOB SITE SAFETY.

# GENERAL NOTES

# EARTHWORK

- PROOF ROLL THE BUILDING SITE TO LOCATE ANY UNFORESSEEN SOFT AREAS. ANY SOFT AREAS SHALL BE EXCAVATED AND REPLACED WITH CLEAN FILL. A DENSITY OF AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE FOR A DEPTH OF 2 FEET IS REQUIRED UNDER THE NEW SLAB ON GRADE.
- ALL FILL SHALL BE CLEAN SAND AND FREE OF ORGANIC MATERIALS. COMPACT FILL IN 12 INCH (UNCOMPACTED THICKNESS) LIFTS TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE.

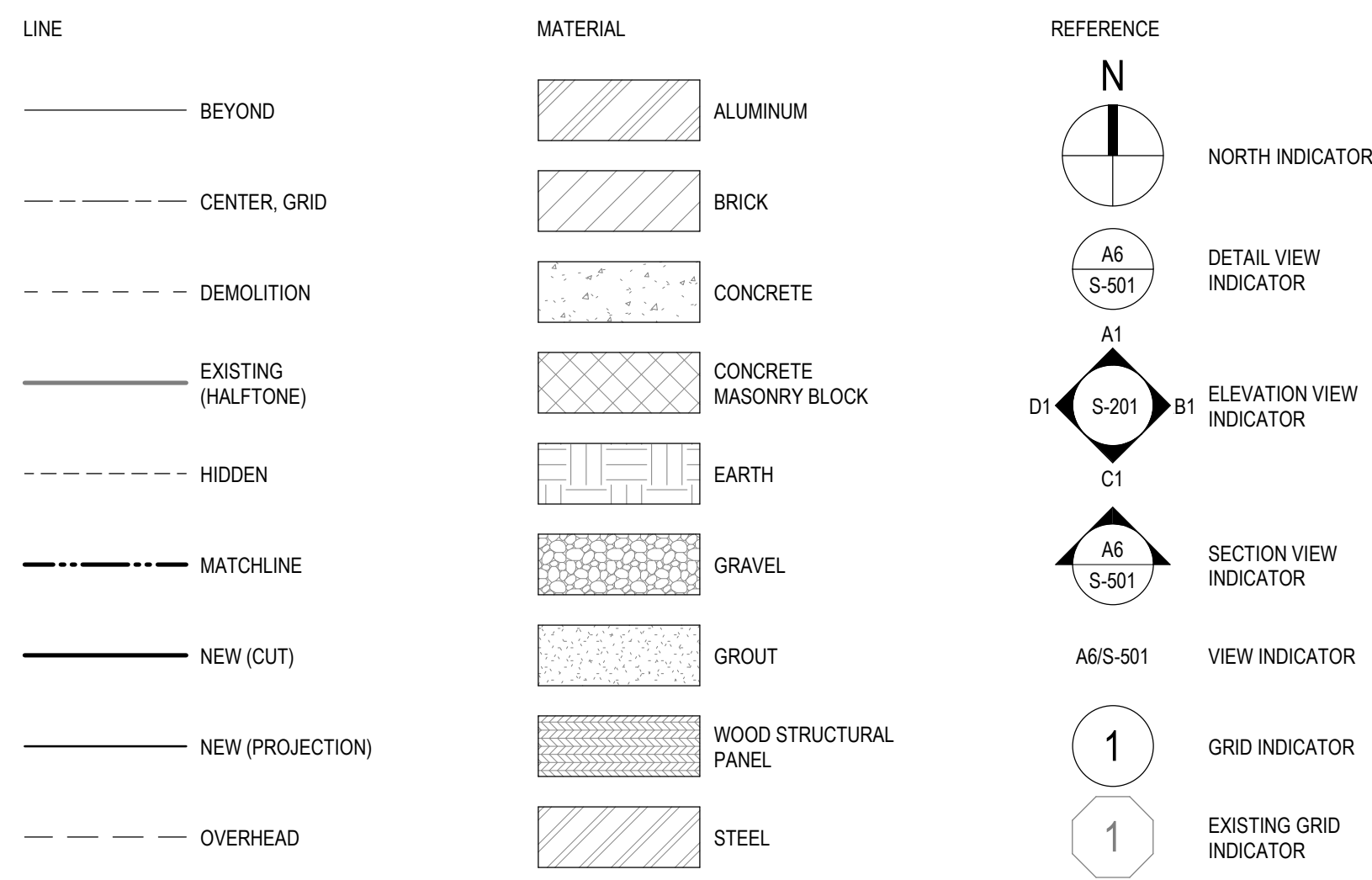
# CONCRETE

- FORMWORK SHALL BE DESIGNED IN ACCORDANCE WITH THE ACI 'MANUAL OF CONCRETE PRACTICE', LATEST EDITION.
- REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACI 'MANUAL OF CONCRETE PRACTICE', LATEST EDITION, UNLESS OTHERWISE NOTED.
- LAP ALL WALL BARS 36 DIAMETERS LESS OTHERWISE DETAIL.
- CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE', ACI 318-14.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO PLACING CONCRETE.
- DO NOT PLACE OR CUT HOLES IN CONCRETE SLABS, BEAMS, WALLS OR COLUMNS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- WATER TO CEMENT RATIO SHALL BE EQUAL OR LESS THAN 0.5.
- EXTERIOR EXPOSED CONCRETE SHALL BE AIR-ENTRAINED. AIR CONTENT SHALL BE 5 PERCENT (+/- 1/2 PERCENT).
- PIPES AND CONDUITS EMBEDDED IN OR PASSING THROUGH STRUCTURAL MEMBERS MUST BE APPROVED BY THE STRUCTURAL ENGINEER. PIPES AND CONDUITS EMBEDDED IN CONCRETE SHALL NOT BE LARGER THAN 2 INCHES IN OUTSIDE DIAMETER AT THEIR WIDEST POINT OR FITTING OR 1/3 OF THE THICKNESS OF THE SLAB, BEAM OR WALL.
- ELECTRICAL CONDUIT OR PIPES EMBEDDED IN OR PASSING THROUGH SLABS, BEAMS OR WALLS SHALL BE LOCATED AND PLACED SO THAT:
  - THEY ARE NOT CLOSER THAN THREE DIAMETERS ON CENTER.
  - THE CONCRETE COVER IS NOT LESS THAN 2 INCH.
  - THEY RUN BETWEEN REINFORCING AND DO NOT DISPLACE IT IN ANY MANNER.
- ALUMINUM CONDUITS SHALL NOT BE PLACED IN CONCRETE.
- PROPER CURING PROCEDURES SHALL BE USED FOR SLAB ON GRADE TO PREVENT CURLING.
- CALCIUM CHLORIDE SHALL NOT BE USED IN CONCRETE MIXES.

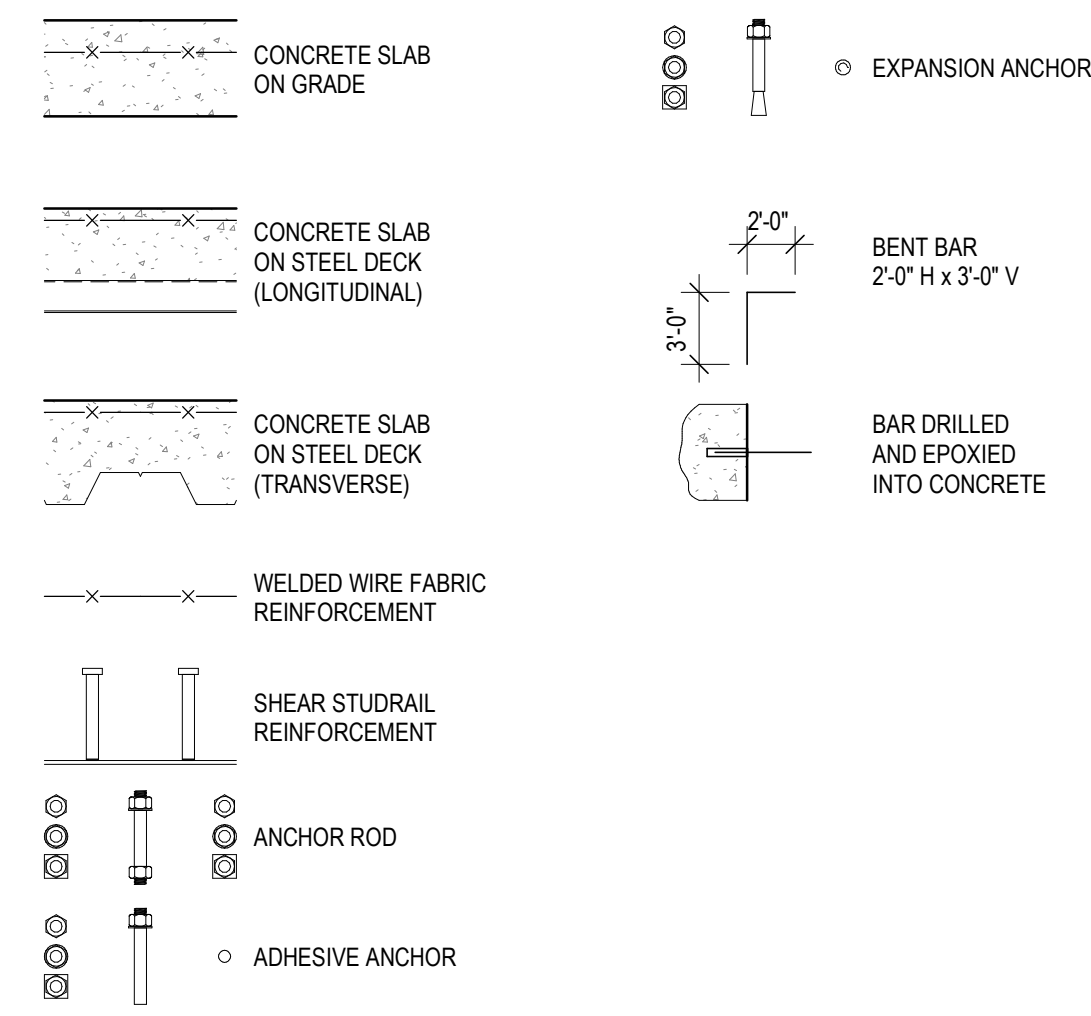
# STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC 'STEEL CONSTRUCTION MANUAL', THIRTEENTH EDITION, AND THE AISC 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES', JUNE 15, 2016 EDITION.
- STEEL DECK FABRICATION AND ERECTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE STEEL DECK INSTITUTE.
- ALL WELDING SHALL COMPLY WITH AWS D11 USING E70XX ELECTRODES. ALL WELDING TO BE DONE BY AWS PREQUALIFIED WELDERS, CERTIFIED FOR WELDS MADE. PROVIDE CONTINUOUS MINIMUM SIZED WELDS PER AISC REQUIREMENTS, UNLESS NOTED OTHERWISE.
- THE MINIMUM SIZE OF FILLET WELDS SHALL BE AS SPECIFIED IN TABLE J2.4 IN THE AISC 'STEEL CONSTRUCTION MANUAL'.
- MINIMUM STRENGTH OF WELDED CONNECTIONS, UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL SHOP AND FIELD WELDS SHALL DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER OF ELEMENT JOINED. ALL MEMBERS WITH MOMENT CONNECTIONS, NOTED ON THE DRAWINGS, SHALL BE WELDED TO DEVELOP THE FULL FLEXURAL CAPACITY OF THE MEMBER, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- COLUMN BASE PLATES SHALL HAVE OVERSIZED HOLES WITH PLATE WASHERS (MINIMUM 3/8-INCH THICK) PROVIDED WITH ANCHOR RODS.
- GROUT UNDER BASE PLATES IN ACCORDANCE WITH THE 'AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES', JUNE 15, 2016 EDITION.
- CLEAN, PREPARE, AND SHOP PRIME EXTERIOR EXPOSED STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH SSPC STANDARDS SP-1 AND SP-6.
- WHILE THE DESIGN DOCUMENTS MAY REFERENCE OSHA, THEY ARE NOT INTENDED TO SPECIFICALLY IDENTIFY ALL APPLICABLE OSHA REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND COMPLY WITH ALL APPLICABLE OSHA REQUIREMENTS.
- ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED.

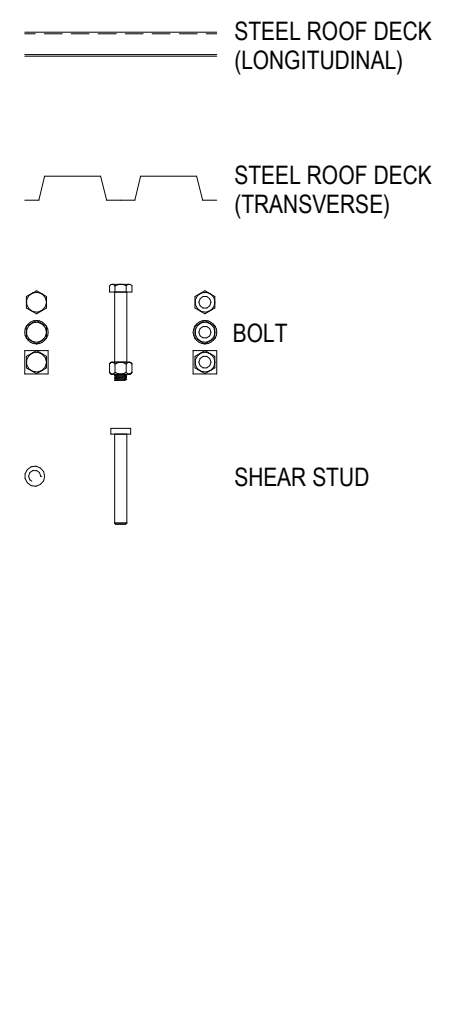
# SYMBOL LEGEND



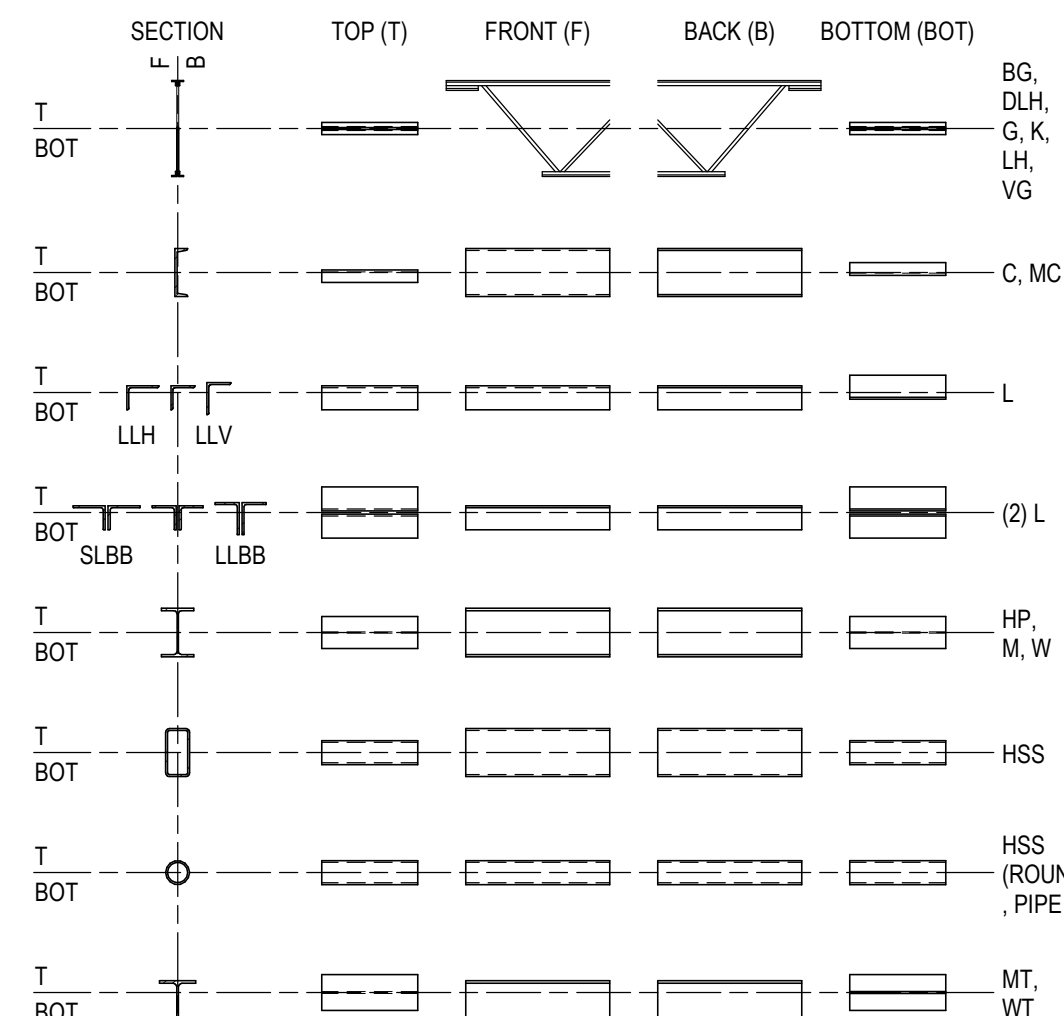
# CONCRETE LEGEND



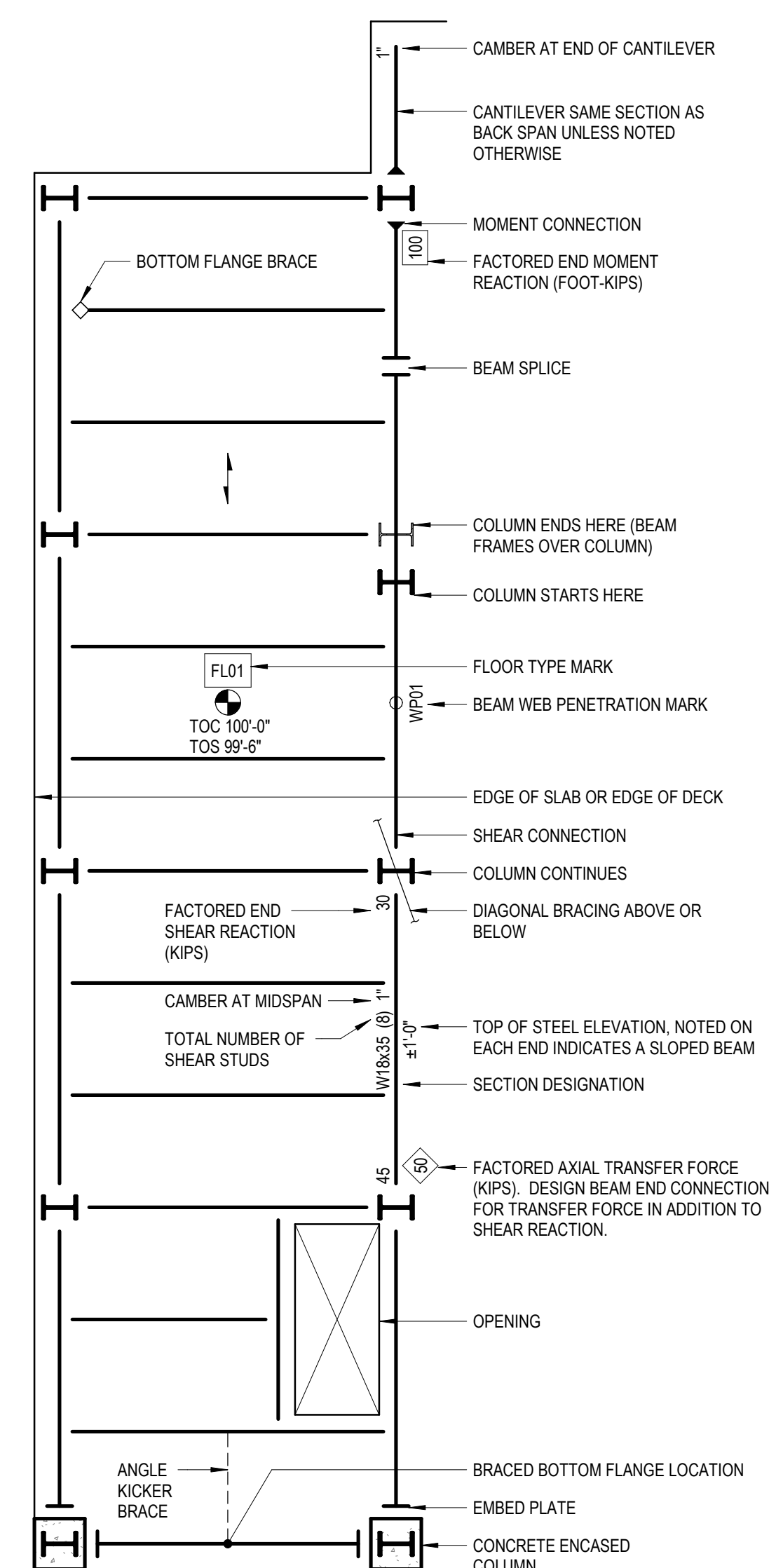
# STEEL LEGEND



# STEEL SHAPES LEGEND



# STEEL FRAMING PLAN LEGEND



# GENERAL WALL (FASCIA) ELEVATION

DESIGN WIND PRESSURE, PSF						DESCRIPTION	
AREA	EFFECTIVE WIND AREA, SF						
	≤ 9	> 9, ≤ 36	> 36				
1	+46.9	-43.5	+46.9	-43.5	-46.9	-43.5	ROOF OR SOFFIT INTERIOR ZONE
2	+70.3	-65.5	+70.3	-65.5	+69.9	-65.5	END ZONE REGION OF THE ROOF OR SOFFIT SURFACE LOCATED WITHIN 3'-3" OF THE BUILDING PERIMETER
3	+93.8	-116.2	+70.3	-65.5	+69.9	-65.5	END ZONE REGION OF THE ROOF OR SOFFIT SURFACE LOCATED WITHIN 3'-3" OF THE BUILDING CORNER
4 (+)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	WALL INTERIOR ZONE
4 (-)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	
5 (+)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	END ZONE REGION OF THE WALL SURFACE LOCATED WITHIN 3'-0" OF THE BUILDING CORNER
5 (-)	+50.1	-50.1	+50.1	-50.1	+50.1	-50.1	

- NOTES:
- WIND PRESSURES SHOWN ARE FACTORED LOADS OBTAINED VIA ASCE 7-10. MULTIPLY BY 0.6 TO CALCULATE SERVICE LOADS.
  - NEGATIVE PRESSURES ACT AWAY FROM COMPONENT SURFACE. POSITIVE PRESSURES ACT TOWARD COMPONENT SURFACES.

# WIND PROVISIONS FOR COMPONENTS AND CLADDING TABLE

12" = 1'-0"

# SHEET INDEX

- S-001 GENERAL NOTES AND INFORMATION
- S-101 PLANS AND SECTION AND DETAILS



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CLIENT:

CITY OF DAYTONA BEACH, FL

PROJECT TITLE:

HENRY LEE PARK PAVILION

701 BELLEVUE AVENUE  
DAYTONA BEACH, FL 32114

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 2019-4103.01

DATE: 10/16/2019

DRAWN BY: HQ

CHECKED BY: SDH

APPROVED BY: SDH

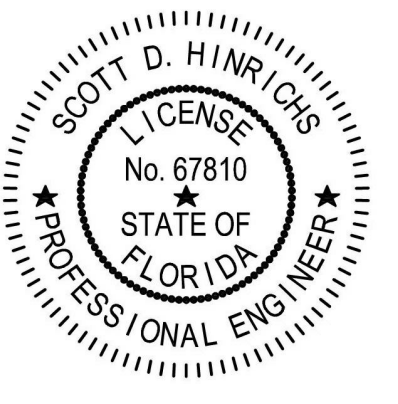
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SHEET TITLE:

GENERAL NOTES AND INFORMATION

SHEET NUMBER:

S-001



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