

TYPE S1

TYPE S2

TYPE S3

TYPE S3A

TYPE S4

[illegible]

Performance Data

Latency Output
 This chart displays the latency output for the 1000th iteration of the test. The x-axis represents the iteration number (0 to 1000), and the y-axis represents the latency in milliseconds (ms). The chart shows a significant increase in latency starting around iteration 400, reaching a peak of approximately 1000 ms around iteration 600, and then stabilizing at a high level (around 800 ms) for the remainder of the test. The legend indicates that the red line represents the 'Latency' output.

Iteration	Latency (ms)
0	100
100	100
200	100
300	100
400	100
500	100
600	1000
700	800
800	800
900	800
1000	800

Pin 1 GND
Pin 2 VCC
Pin 3 VCC

Electrical Characteristics
Typical Values at T_{amb} = 25°C

Symbol	Parameter	Min	Typ	Max
I_F	Forward Current	100	150	200
V_F	Forward Voltage	1.8	2.0	2.2
P_{tot}	Total Power Dissipation	1.5	2.0	2.5
θ_{JA}	Thermal Resistance, Junction to Ambient	10	10	10
T_{jmax}	Junction Temperature	150	150	150

Thermal Characteristics
Typical Values at T_{amb} = 25°C

Symbol	Parameter	Min	Typ	Max
T_{jmax}	Junction Temperature	150	150	150
θ_{JA}	Thermal Resistance, Junction to Ambient	10	10	10
θ_{JC}	Thermal Resistance, Junction to Case	5	5	5
T_{amb}	Ambient Temperature	25	25	25

Optical Characteristics
Typical Values at T_{amb} = 25°C

Symbol	Parameter	Min	Typ	Max
I_v	Viewing Angle	120	120	120
$\theta_{1/2}$	Half Angle	60	60	60
I_{lm}	Luminous Intensity	10	10	10
Φ_v	Beam Angle	120	120	120
Φ_{lm}	Luminous Flux	10	10	10

Photometric Diagrams

Beam profiles plotted against beam diameter (mm) and viewing angle (degrees).

Performance Data

Lumen Ambient Temperature: 80°C Multipulse
Typical Values at T_{amb} = 25°C

Symbol	Parameter	Min	Typ	Max
I_F	Forward Current	100	150	200
V_F	Forward Voltage	1.8	2.0	2.2
P_{tot}	Total Power Dissipation	1.5	2.0	2.5
θ_{JA}	Thermal Resistance, Junction to Ambient	10	10	10
T_{jmax}	Junction Temperature	150	150	150

Electrical Load

Symbol	Parameter	Min	Typ	Max
I_F	Forward Current	100	150	200
V_F	Forward Voltage	1.8	2.0	2.2
P_{tot}	Total Power Dissipation	1.5	2.0	2.5
θ_{JA}	Thermal Resistance, Junction to Ambient	10	10	10
T_{jmax}	Junction Temperature	150	150	150

Projected LED Lumen Maintenance
Typical Values at T_{amb} = 25°C

Symbol	Parameter	Min	Typ	Max
L_{70}	Lumen Maintenance at 70%	100	100	100
L_{80}	Lumen Maintenance at 80%	100	100	100
L_{90}	Lumen Maintenance at 90%	100	100	100
L_{95}	Lumen Maintenance at 95%	100	100	100
L_{98}	Lumen Maintenance at 98%	100	100	100
L_{99}	Lumen Maintenance at 99%	100	100	100
$L_{99.5}$	Lumen Maintenance at 99.5%	100	100	100
$L_{99.9}$	Lumen Maintenance at 99.9%	100	100	100
$L_{99.95}$	Lumen Maintenance at 99.95%	100	100	100
$L_{99.99}$	Lumen Maintenance at 99.99%	100	100	100
$L_{99.995}$	Lumen Maintenance at 99.995%	100	100	100
$L_{99.999}$	Lumen Maintenance at 99.999%	100	100	100
$L_{99.9995}$	Lumen Maintenance at 99.9995%	100	100	100
$L_{99.9999}$	Lumen Maintenance at 99.9999%	100	100	100
$L_{99.99995}$	Lumen Maintenance at 99.99995%	100	100	100
$L_{99.99999}$	Lumen Maintenance at 99.99999%	100	100	100
$L_{99.999995}$	Lumen Maintenance at 99.999995%	100	100	100
$L_{99.999999}$	Lumen Maintenance at 99.999999%	100	100	100
$L_{99.9999995}$	Lumen Maintenance at 99.9999995%	100	100	100
$L_{99.9999999}$	Lumen Maintenance at 99.9999999%	100	100	100
$L_{99.99999995}$	Lumen Maintenance at 99.99999995%	100	100	100
$L_{99.99999999}$	Lumen Maintenance at 99.99999999%	100	100	100
$L_{99.999999995}$	Lumen Maintenance at 99.999999995%	100	100	100
$L_{99.999999999}$	Lumen Maintenance at 99.999999999%	100	100	100
$L_{99.9999999995}$	Lumen Maintenance at 99.9999999995%	100	100	100
$L_{99.9999999999}$	Lumen Maintenance at 99.9999999999%	100	100	100
$L_{99.99999999995}$	Lumen Maintenance at 99.99999999995%	100	100	100
$L_{99.99999999999}$	Lumen Maintenance at 99.99999999999%	100	100	100
$L_{99.999999999995}$	Lumen Maintenance at 99.999999999995%	100	100	100
$L_{99.999999999999}$	Lumen Maintenance at 99.999999999999%	100	100	100
$L_{99.9999999999995}$	Lumen Maintenance at 99.9999999999995%	100	100	100
$L_{99.9999999999999}$	Lumen Maintenance at 99.9999999999999%	100	100	100
$L_{99.99999999999995}$	Lumen Maintenance at 99.99999999999995%	100	100	100
$L_{99.99999999999999}$	Lumen Maintenance at 99.99999999999999%	100	100	100
$L_{99.999999999999995}$	Lumen Maintenance at 99.999999999999995%	100	100	100
$L_{99.999999999999999}$	Lumen Maintenance at 99.999999999999999%	100	100	100
$L_{99.9999999999999995}$	Lumen Maintenance at 99.9999999999999995%	100	100	100
$L_{99.9999999999999999}$	Lumen Maintenance at 99.9999999999999999%	100	100	100
$L_{99.99999999999999995}$	Lumen Maintenance at 99.99999999999999995%	100	100	100
$L_{99.99999999999999999}$	Lumen Maintenance at 99.99999999999999999%	100	100	100
$L_{99.999999999999999995}$	Lumen Maintenance at 99.999999999999999995%	100	100	100
$L_{99.999999999999999999}$	Lumen Maintenance at 99.999999999999999999%	100	100	100
$L_{99.9999999999999999995}$	Lumen Maintenance at 99.9999999999999999995%	100	100	100
$L_{99.9999999999999999999}$	Lumen Maintenance at 99.9999999999999999999%	100	100	100
$L_{99.99999999999999999995}$	Lumen Maintenance at 99.99999999999999999995%	100	100	100
$L_{99.99999999999999999999}$	Lumen Maintenance at 99.99999999999999999999%	100	100	100
$L_{99.999999999999999999995}$	Lumen Maintenance at 99.999999999999999999995%	100	100	100
$L_{99.999999999999999999999}$	Lumen Maintenance at 99.999999999999999999999%	100	100	100
$L_{99.9999999999999999999995}$	Lumen Maintenance at 99.9999999999999999999995%	100	100	100
$L_{99.9999999999999999999999}$	Lumen Maintenance at 99.9999999999999999999999%	100	100	100
$L_{99.99999999999999999999995}$	Lumen Maintenance at 99.99999999999999999999995%	100	100	100
$L_{99.99999999999999999999999}$	Lumen Maintenance at 99.99999999999999999999999%	100	100	100
$L_{99.999999999999999999999995}$	Lumen Maintenance at 99.999999999999999999999995%	100	100	100
$L_{99.999999999999999999999999}$	Lumen Maintenance at 99.999999999999999999999999%	100	100	100
$L_{99.9999999999999999999999995}$	Lumen Maintenance at 99.9999999999999999999999995%	100	100	100
$L_{99.9999999999999999999999999}$	Lumen Maintenance at 99.9999999999999999999999999%	100	100	100
$L_{99.99999999999999999999999995}$	Lumen Maintenance at 99.99999999999999999999999995%	100	100	100
$L_{99.99999999999999999999999999}$	Lumen Maintenance at 99.99999999999999999999999999%	100	100	100
$L_{99.999999999999999999999999995}$	Lumen Maintenance at 99.999999999999999999999999995%	100	100	100
$L_{99.999999999999999999999999999}$	Lumen Maintenance at 99.999999999999999999999999999%	100	100	100
$L_{99.9999999999999999999999999995}$	Lumen Maintenance at 99.9999999999999999999999999995%	100	100	100
$L_{99.9999999999999999999999999999}$	Lumen Maintenance at 99.9999999999999999999999999999%	100	100	100
$L_{99.99999999999999999999999999995}$	Lumen Maintenance at 99.99999999999999999999999999995%	100	100	100
$L_{99.99999999999999999999999999999}$	Lumen Maintenance at 99.99999999999999999999999999999%	100	100	100
$L_{99.999999999999999999999999999995}$	Lumen Maintenance at 99.999999999999999999999999999995%	100	100	100
$L_{99.999999999999999999999999999999}$	Lumen Maintenance at 99.999999999999999999999999999999%	100	100	100
$L_{99.9999999999999999999999999999995}$	Lumen Maintenance at 99.9999999999999999999999999999995%	100	100	100
$L_{99.9999999999999999999999999999999}$	Lumen Maintenance at 99.9999999999999999999999999999999%	100	100	100
$L_{99.99999999999999999999999999999995}$	Lumen Maintenance at 99.99999999999999999999999999999995%	100	100	100
$L_{99.99999999999999999999999999999999}$	Lumen Maintenance at 99.99999999999999999999999999999999%	100	100	100
$L_{99.999999999999999999999999999999995}$	Lumen Maintenance at 99.999999999999999999999999999999995%	100	100	100
$L_{99.999999999999999999999999999999999}$	Lumen Maintenance at 99.999999999999999999999999999999999%	100	100	100
$L_{99.9999999999999999999999999999999995}$	Lumen Maintenance at 99.9999999999999999999999999999999995%	100	100	100
$L_{99.9999999999999999999999999999999999}$	Lumen Maintenance at 99.9999999999999999999999999999999999%	100	100	100
$L_{99.99999999999999999999999999999999995}$	Lumen Maintenance at 99.99999999999999999999999999999999995%	100	100	100
$L_{99.99999999999999999999999999999999999}$	Lumen Maintenance at 99.99999999999999999999999999999999999%	100	100	100
$L_{99.999999999999999999999999999999999995}$	Lumen Maintenance at 99.999999999999999999999999999999999995%	100	100	100
$L_{99.999999999999999999999999999999999999}$	Lumen Maintenance at 99.999999999999999999999999999999999999%	100	100	100
$L_{99.9999999999999999999999999999999999995}$	Lumen Maintenance at 99.9999999999999999999999999999999999995%	100	100	100
$L_{99.9999999999999999999999999999999999999}$	Lumen Maintenance at 99.9999999999999999999999999999999999999%	100	100	100
$L_{99.99999999999999999999999999999999999995}$	Lumen Maintenance at 99.99999999999999999999999999999999999995%	100	100	100
$L_{99.99999999999999999999999999999999999999}$	Lumen Maintenance at 99.99999999999999999999999999999999999999%	100	100	100
$L_{99.999999999999999999999999999999999999995}$	Lumen Maintenance at 99.999999999999999999999999999999999999995%	100	100	100
$L_{99.999999999999999999999999999999999999999}$	Lumen Maintenance at 99.999999999999999999999999999999999999999%	100	100	100
$L_{99.9999999999999999999999999999999999999995}$	Lumen Maintenance at 99.9999999999999999999999999999999999999995%	100	100	100
$L_{99.99}$	Lumen Maintenance at 99.99%	100	100	100
$L_{99.995}$	Lumen Maintenance at 99.995%	100	100	100
$L_{99.99}$	Lumen Maintenance at 99.99%	100	100	100
$L_{99.995}$	Lumen Maintenance at 99.995%	100	100	100
$L_{99.999}$	Lumen Maintenance at 99.999%	100	100	100
$L_{99.9995}$	Lumen Maintenance at 99.9995%	100	100	100
$L_{99.99}$	Lumen Maintenance at 99.99%	100	100	100
$L_{99.995}$	Lumen Maintenance at 99.995%	100	100	100
$L_{99.999}$	Lumen Maintenance at 99.999%	100	100	100
$L_{99.9995}$	Lumen Maintenance at 99.9995%	100	100	100
$L_{99.99}$	Lumen Maintenance at 99.99%	100	100	100
$L_{99.995}$	Lumen Maintenance at 99.995%	100	100	100
$L_{99.999}$	Lumen Maintenance at 99.999%	100	100	100
$L_{99.9999999999999999999999999999999$				

[illegible]

☐	☐	☐	☐
PAUL STRESING ASSOCIATES, INC.			
☐	☐	☐	☐
1617 MAIN STREET ALACHUA, FLORIDA 32615 E-MAIL: paul@stresingassociates.com			
TELEPHONE: (386) 462-6407 FAX (386) 462-6409 REGISTRATION NO. AR0013985 • CA. NO. AA0003377			

LEGACY PARK MULTI-PURPOSE CENTER & RELATED FACILITIES

DATE: 2/25/16
 REVISIONS
 ITEM: SITE COMMENT REVISIONS

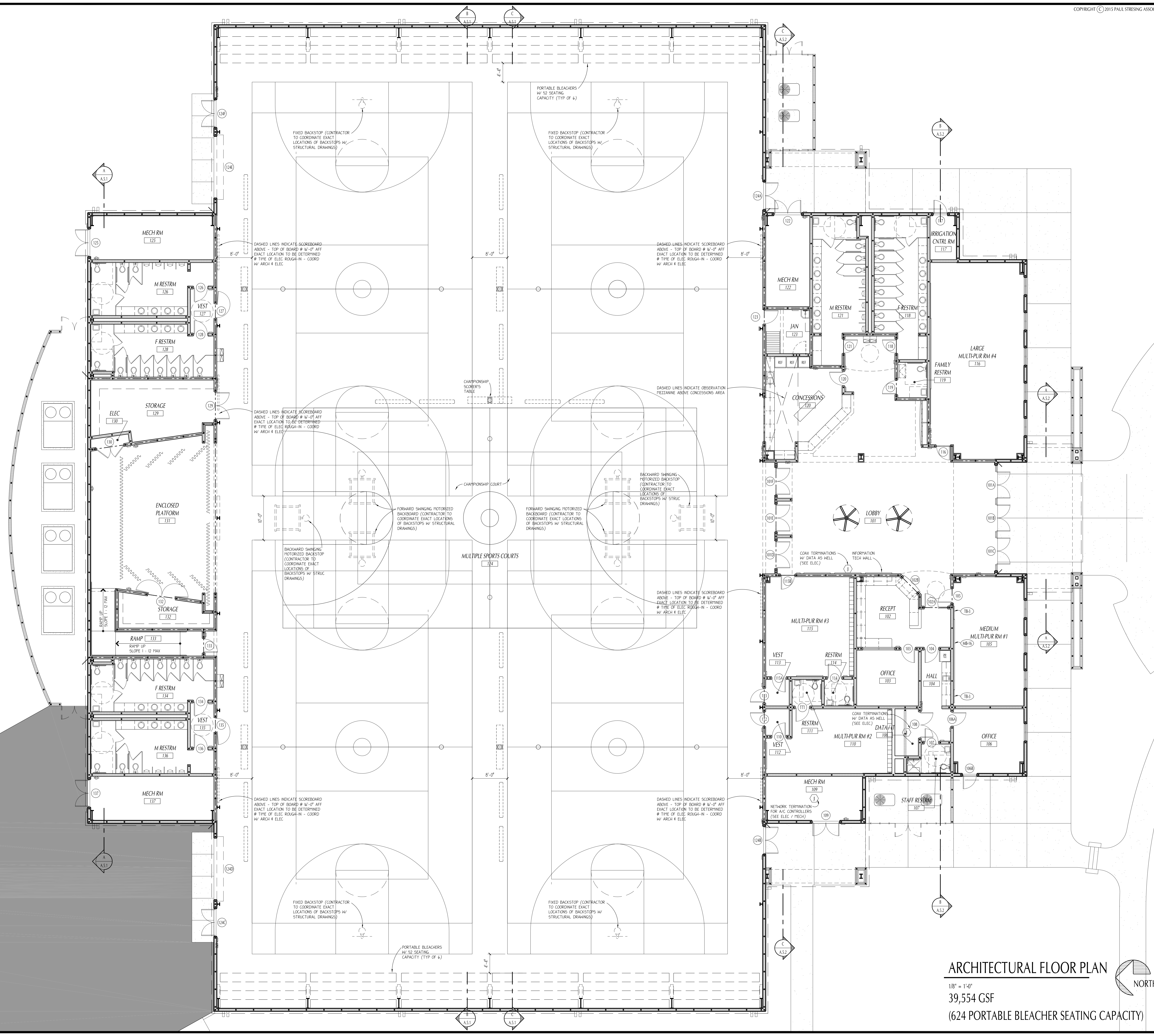
FL # 40193

SHEET NO.

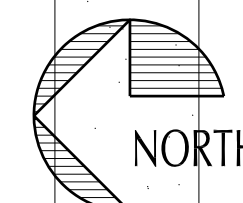
E6.5

Q:\ACTIVE PROJECTS\15-640 LEGACY PARK\15-640_LEGACY PARK\15-640_A3.2.dwg 2/10/2016 10:11:34 AM

ANY MODIFICATIONS TO THESE PLANS OR RE-USE OF THESE PLANS MUST BE APPROVED BY AND SIGNED BY THE ARCHITECT



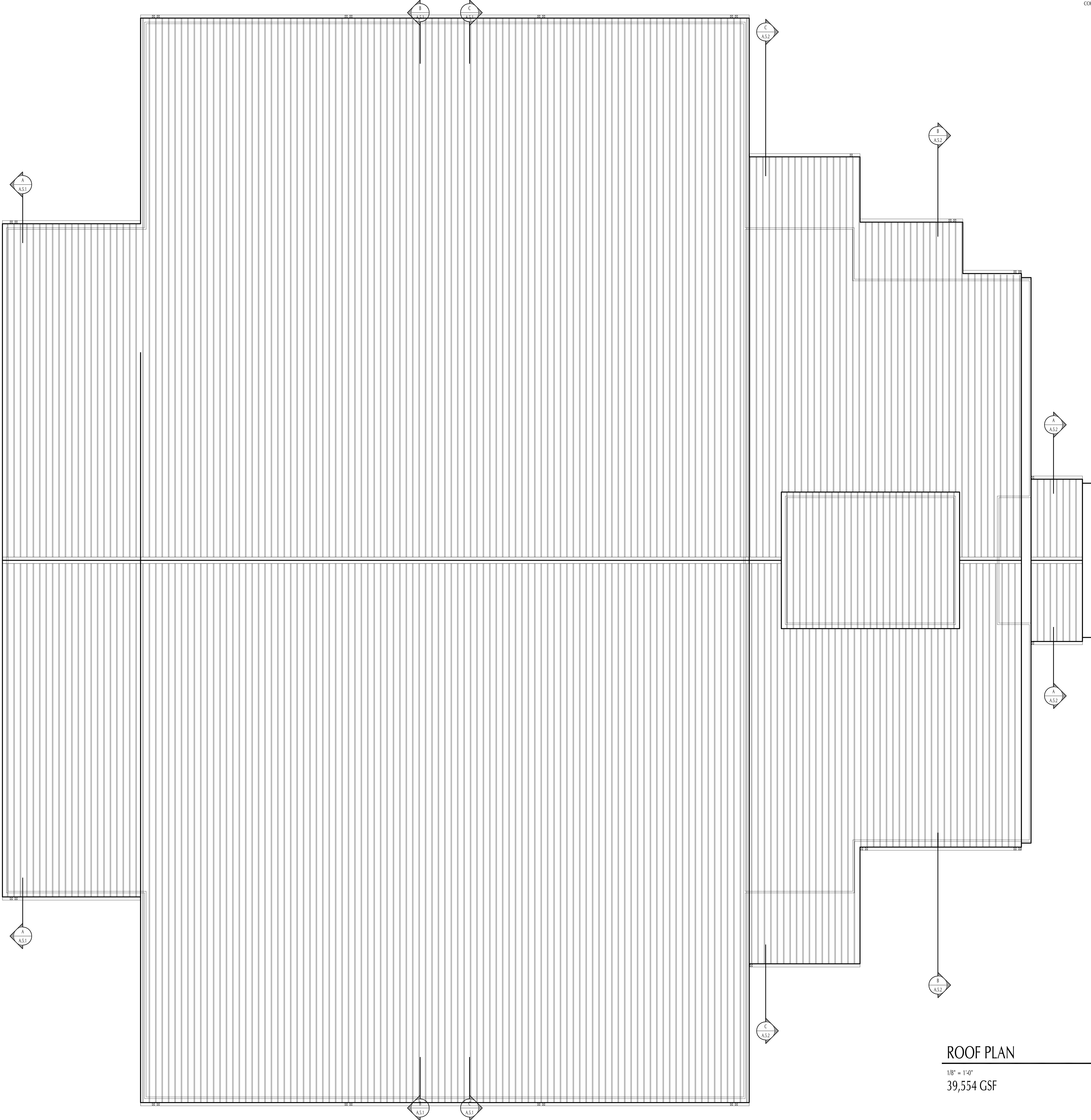
ARCHITECTURAL FLOOR PLAN
1/8" = 1'-0"
39,554 GSF
(624 PORTABLE BLEACHER SEATING CAPACITY)



CITY OF ALACHUA LEGACY PARK - PHASE 1 ALACHUA, FLORIDA		PAUL STRESING ASSOCIATES, INC. 14617 MAIN STREET ALACHUA, FLORIDA 32615 E-MAIL: paul@stresing.com TELEPHONE: (888) 462-6407 FAX: (888) 462-6409 REGISTRATION NO. A0005986 CA NO. A0005977	
DATE:	REVISIONS:	LIC. NO. AR0013985	
DATE:	ITEM:	SHEET NO.	
ARCHITECT'S SEAL		A.3.2	

Q:\ACTIVE PROJECTS\15-640 LEGACY PARK\15-640_LEGACY PARK\15-640_LEGACY PARK\15-640_LEGACY ROOF PLAN.dwg, 2/10/2016 10:29:29 AM

ANY MODIFICATIONS TO THESE PLANS OR RE-USE OF THESE PLANS MUST BE APPROVED BY AND SIGNED BY THE ARCHITECT



COPYRIGHT © 2015 PAUL STRESING ASSOC.

PAUL STRESING ASSOCIATES, INC.
14617 MAIN STREET
ALACHUA, FLORIDA 32916
E-MAIL: paul@paulstresing.com
TELEPHONE: (888) 462-6407 FAX: (888) 462-6409
REGISTRATION NO. AR0013985 CA NO. A0000377

CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
ITEM:

DATE:

ARCHITECT'S SEAL

LIC. NO. AR0013985

SHEET NO.

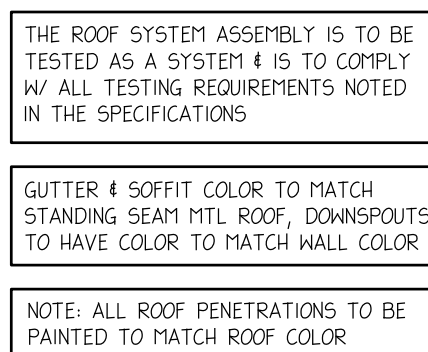
A.7


$$1/8'' = 1'-0''$$

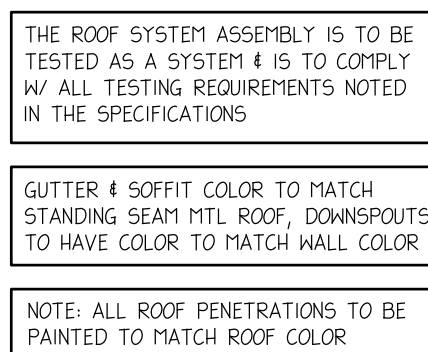
$$1/8'' = 1'-0''$$


1/8" - 1'-0"

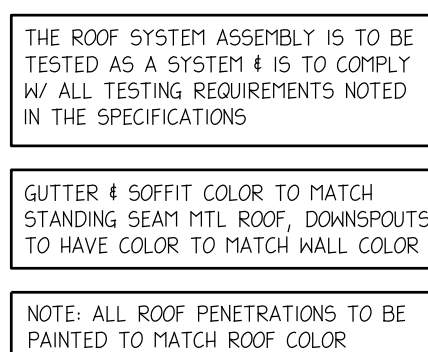

$$1/8'' = 1'-0''$$



A
A.5.1

$$1/4^{\circ} = 1^{\circ}-0''$$


B
A.5.1

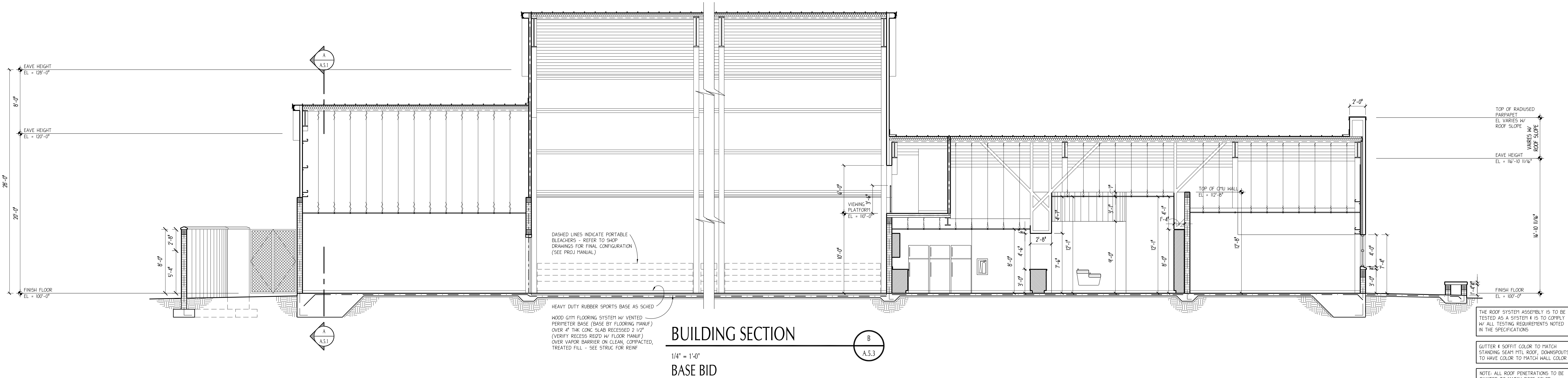
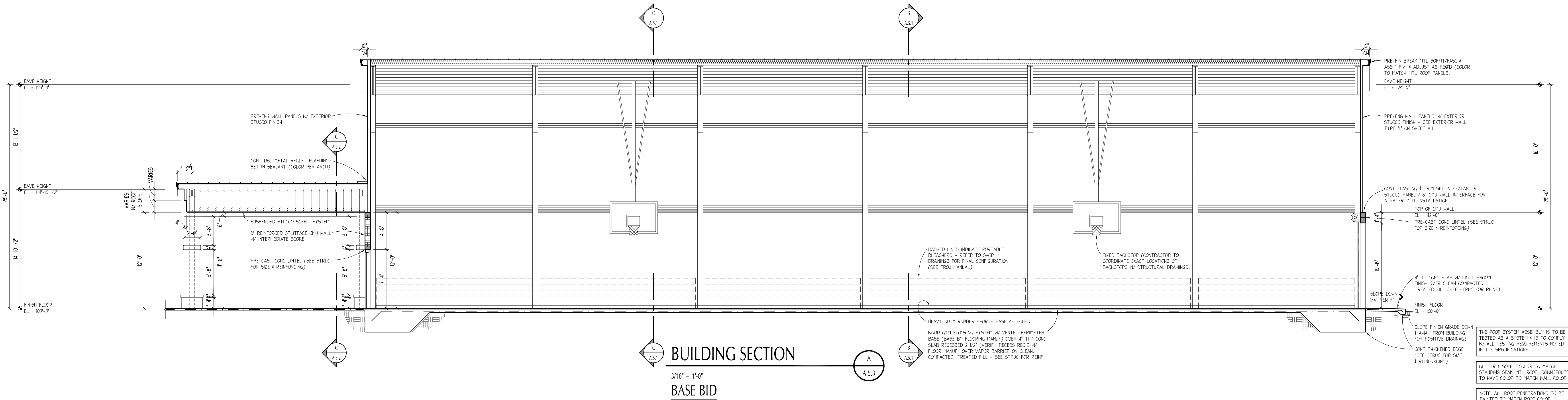
$$1/8^{\circ} = 1^{\circ}-0''$$


C
A.5.1

$$1/8^{\circ} = 1^{\circ}-0''$$

PRINTING REQUIRED: 14617 MAIN STREET, LEGACY PARK, PHASE 1, CONSTRUCTION, PRESENTATION, 14617 MAIN STREET, 3120116, 10:30:29 AM

ANY MODIFICATIONS TO THESE PLANS OR RE-USE OF THESE PLANS MUST BE APPROVED BY AND SIGNED BY THE ARCHITECT



THE ROOF SYSTEM ASSEMBLY IS TO BE TESTED AS A SYSTEM & IS TO COMPLY W/ ALL TESTING REQUIREMENTS NOTED IN THE SPECIFICATIONS

GUTTER & SOFFIT COLOR TO MATCH STANDING SEAM METAL ROOF, DOWNSPOUTS TO HAVE COLOR TO MATCH WALL COLOR

NOTE: ALL ROOF PENETRATIONS TO BE PAINTED TO MATCH ROOF COLOR

THE ROOF SYSTEM ASSEMBLY IS TO BE TESTED AS A SYSTEM & IS TO COMPLY W/ ALL TESTING REQUIREMENTS NOTED IN THE SPECIFICATIONS

GUTTER & SOFFIT COLOR TO MATCH STANDING SEAM METAL ROOF, DOWNSPOUTS TO HAVE COLOR TO MATCH WALL COLOR

NOTE: ALL ROOF PENETRATIONS TO BE PAINTED TO MATCH ROOF COLOR

PAUL STRESING ASSOCIATES, INC.

14617 MAIN STREET
ALACHUA, FLORIDA 32009
E-MAIL: info@paulstresing.com
TELEPHONE: (888) 482-6407 FAX: (888) 482-6409
REGISTRATION NO. ARO015866 - CA NO. AAO003377

REVISIONS

ITEM:

DATE:

ARCHITECT'S SEAL

LIC. NO. ARO013985

SHEET NO.

A.5.3

CITY OF ALACHUA

LEGACY PARK - PHASE 1

ALACHUA, FLORIDA