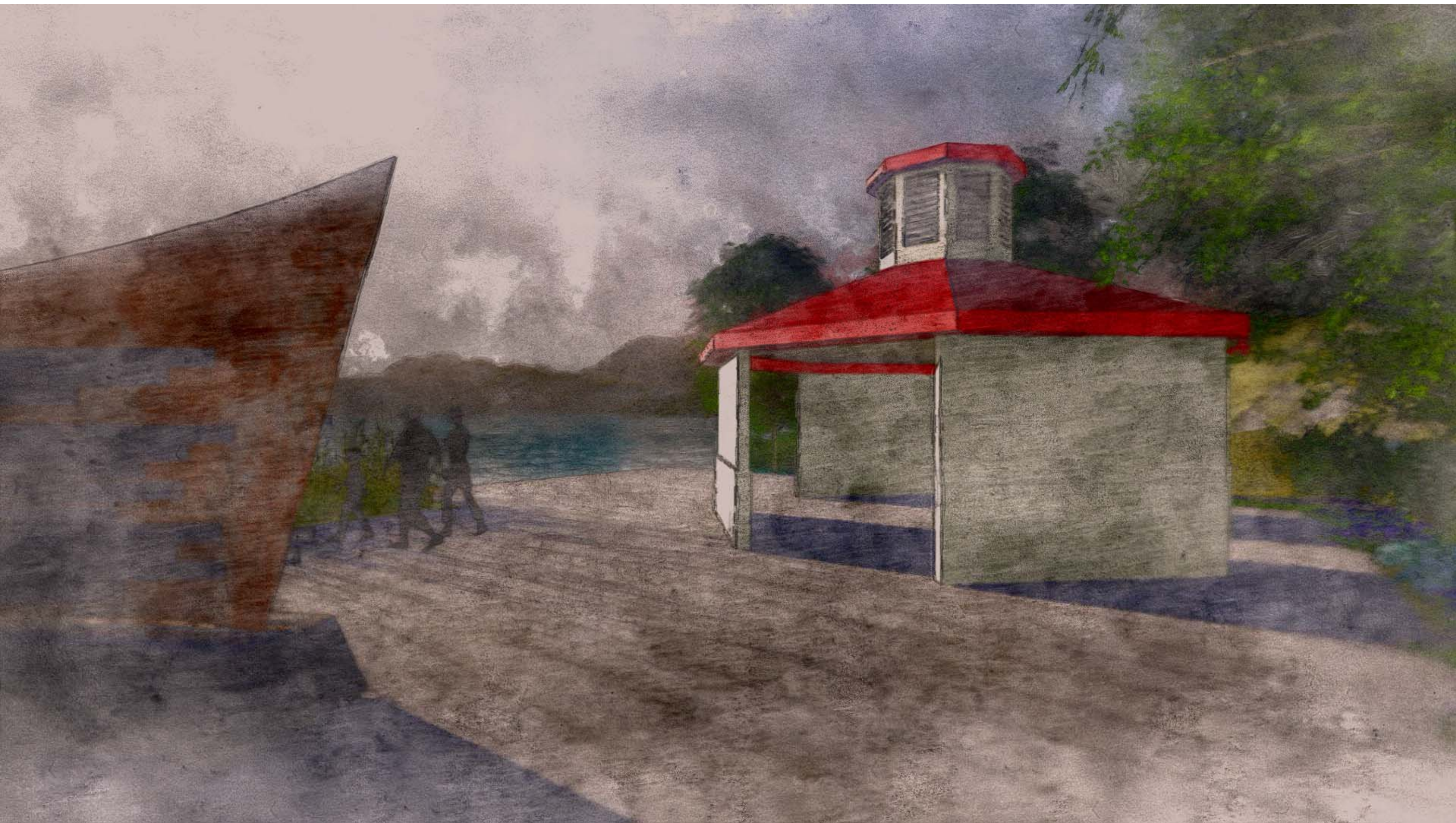
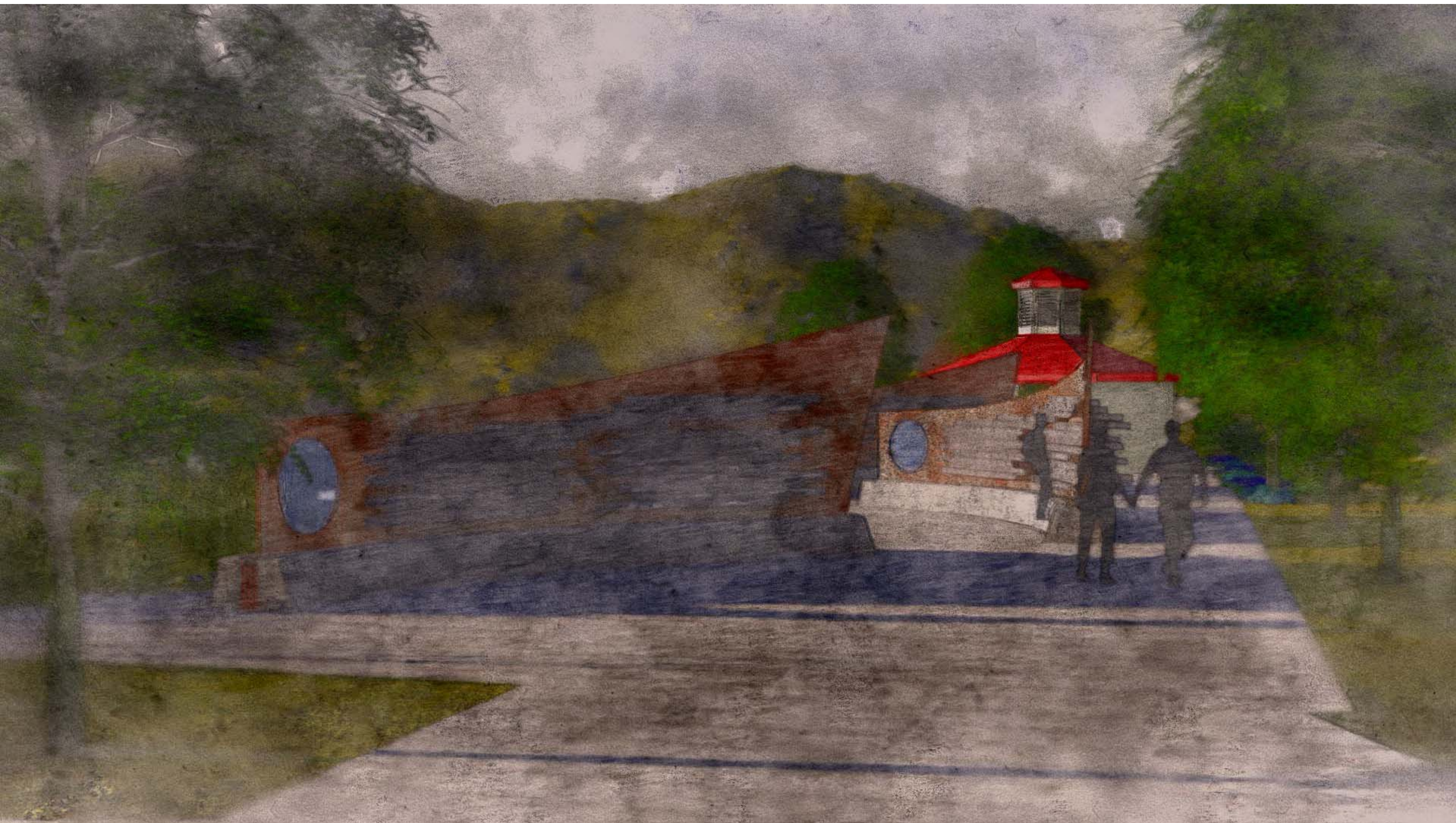




Mariners' Memorial - Wrangell, Alaska





Mariner's Memorial

City and Borough of Wrangell - Port Commission

100% Construction Documents

December, 2015



**Corvus
Design**

Landscape Architecture
www.corvus-design.com



Artist's Concept

SHEET INDEX

GENERAL

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G102 GENERAL NOTES

CIVIL

C100 EXISTING CONDITIONS
D100 SITE DEMOLITION PLAN
C101 LAYOUT & GRADING PLAN
C102 DETAILS

LANDSCAPE

L100 SITE PLAN AND BID ALTERNATE
L501 DETAILS
L502 DETAILS

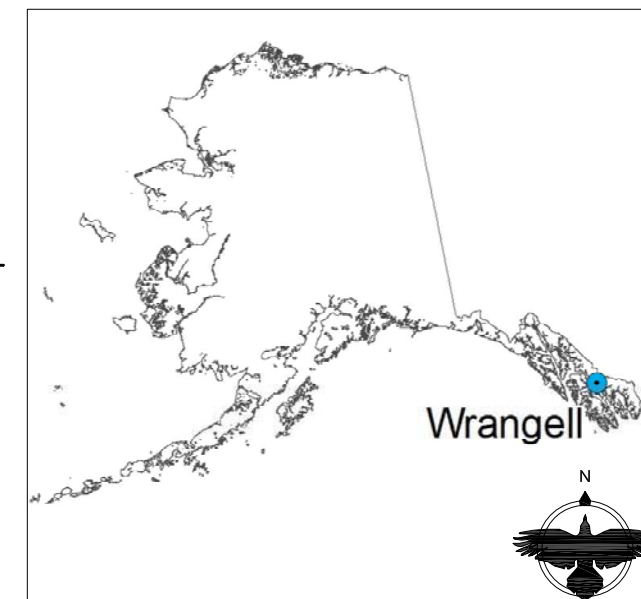
ARCHITECTURAL

A100 PAVILION
A101 PAVILION SECTIONS

STRUCTURAL

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S100 FOUNDATION PLAN AND DETAILS
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S400 PRECAST PANELS AND DETAILS
S401 PRECAST PANELS AND DETAILS
S500 MEMORIAL WALL FOUNDATION
S501 MEMORIAL WALL FOUNDATION

VICINITY MAP



CLIENT INFORMATION:

City and Borough of Wrangell
PO Box 531
Wrangell, Alaska

PROJECT LOCATION:

Heritage Harbor
Zimovia Hwy
Wrangell, Alaska

ISSUED:

2015-12

PROJECT NUMBER:

COW-14-01

PROJECT TEAM

OWNER

City and Borough of Wrangell
Port Commission
PO Box 531
Wrangell, Alaska 99929
p: (907) 874-2381

LANDSCAPE ARCHITECT

Corvus Design, Inc
Christopher Mertl
119 Seward St #15
Juneau, Alaska 99801
p: (907) 988-9000
cmertl@corvus-design.com

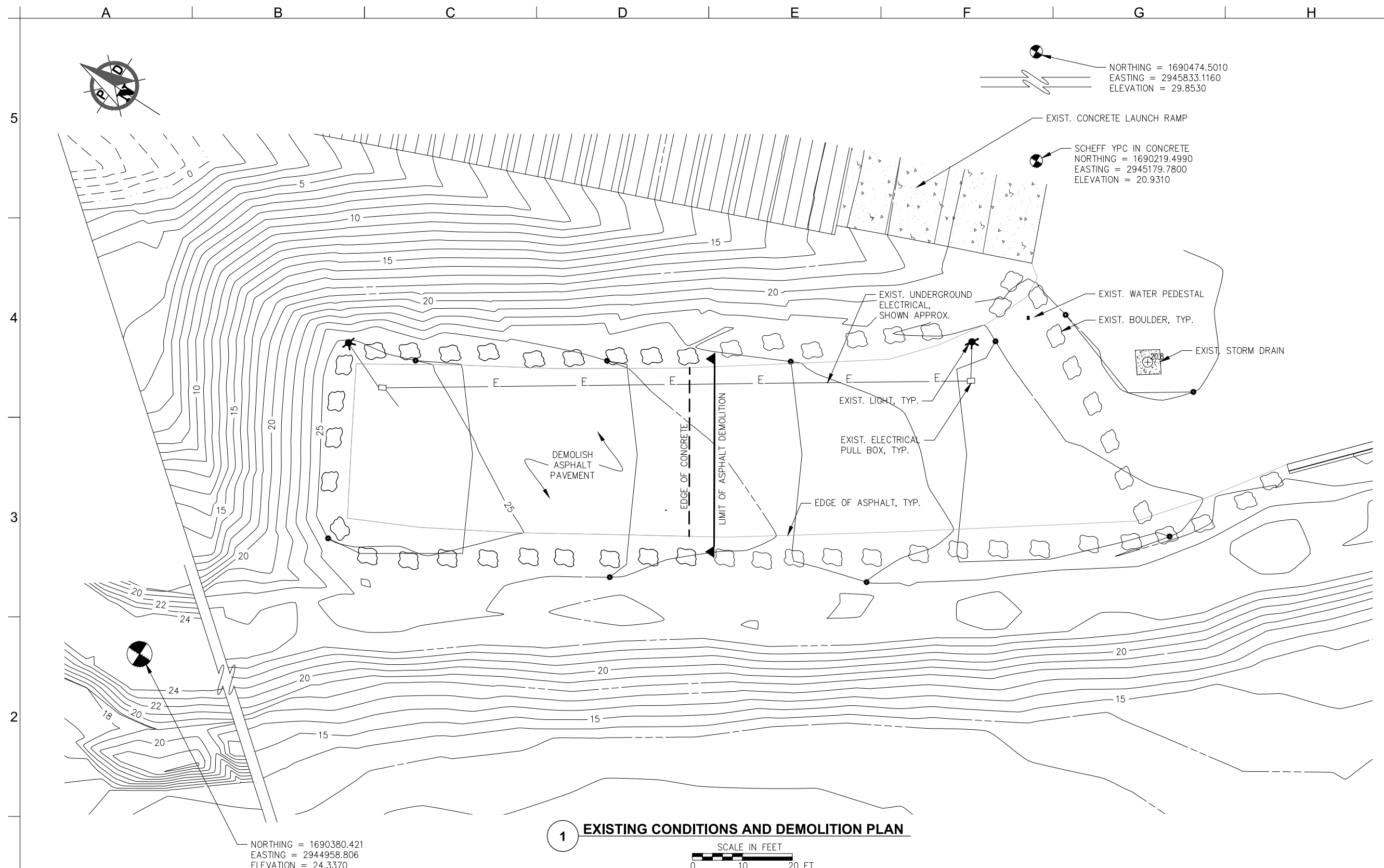
STRUCTURAL ENGINEER

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cgianotti@pndengineers.com

ARCHITECT

Northwind Architects
James Bibb
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Juneau, Alaska
p: (907) 586-6150
james@northwindarch.com

G101

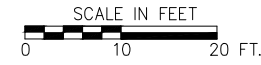


NORTHING = 1690474.5010
 EASTING = 2945833.1160
 ELEVATION = 29.8530

SCHEFF YPC IN CONCRETE
 NORTHING = 1690219.4990
 EASTING = 2945179.7800
 ELEVATION = 20.9310

NORTHING = 1690380.421
 EASTING = 2944958.806
 ELEVATION = 24.3370

1 EXISTING CONDITIONS AND DEMOLITION PLAN



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 9360 Glacier Highway, Ste. 100
 JUNEAU, ALASKA 99801
 PHONE (907) 586-2093
 FAX (907) 586-2099
 PND Project No: 142042

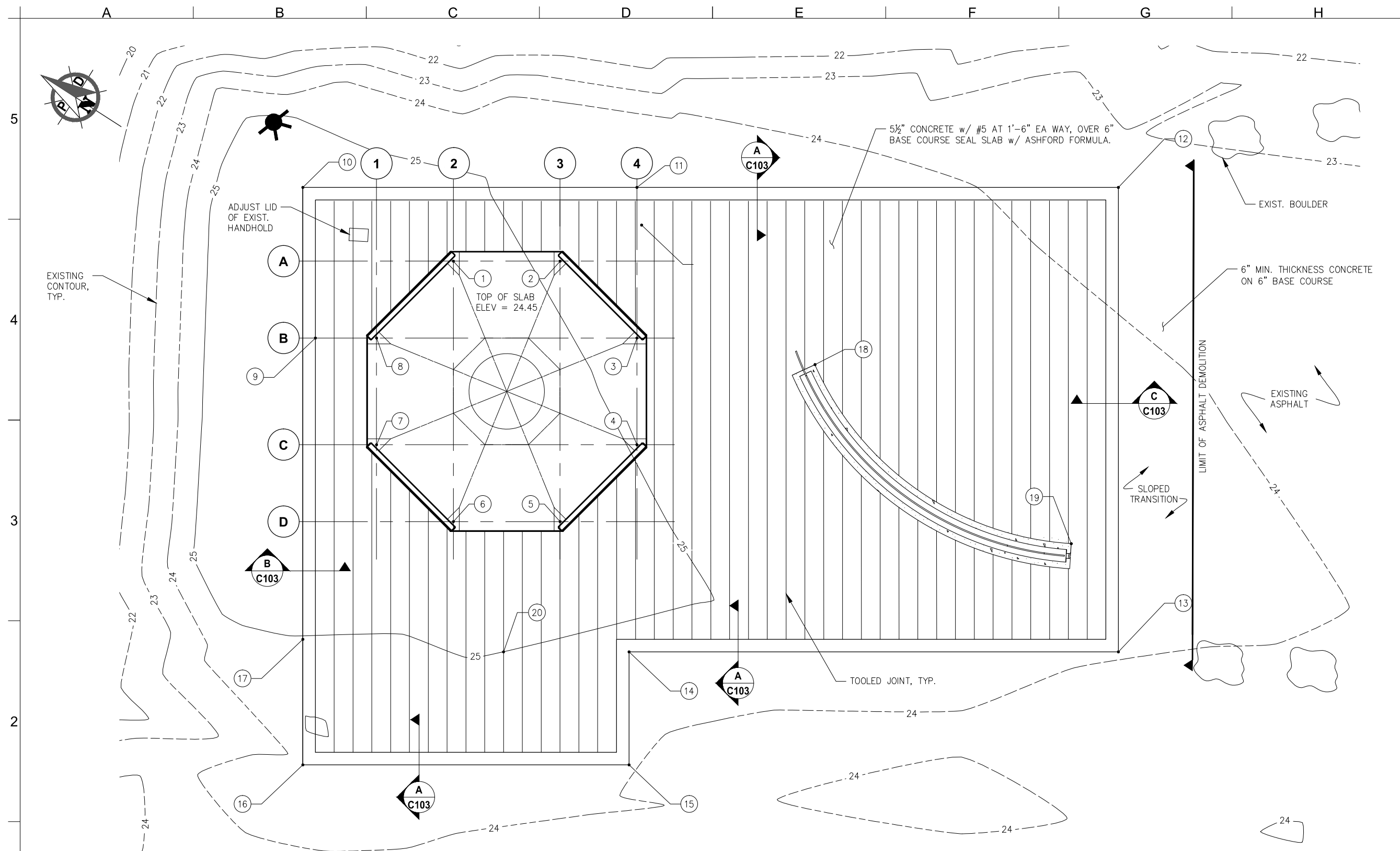
MARK	DATE	DESCRIPTION



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 Wrangell, Alaska

DATE: MAR 2015
 JOB NUMBER: COW-14-01
 DRAWN BY: NF
 CHECKED BY: CM

EXISTING CONDITIONS
 SHEET #:
C100



3 GRADING PLAN
SCALE IN FEET
0 4 8 FT.

LAYOUT TABLE

POINT	NORTHING	EASTING	ELEVATION	POINT	NORTHING	EASTING	ELEVATION	POINT	NORTHING	EASTING	ELEVATION
①	1690297.666	2945073.050	24.45	⑧	1690299.505	2945064.585	24.45	⑮	1690267.190	2945046.870	24.20
②	16920290.516	2945077.647	24.45	⑨	1690304.447	2945061.408	24.35	⑯	1690286.060	2945032.809	24.20
③	1590282.051	2945075.807	24.45	⑩	1690310.937	2945071.502	24.35	⑰	1690291.619	2945041.455	24.30
④	1690277.455	2945068.657	24.45	⑪	1690288.541	2945085.901	24.35	⑱	1690268.967	2945081.702	24.20
⑤	1590279.294	2945060.193	24.45	⑫	1690256.262	2945106.654	23.58	⑲	1690244.078	2945080.750	23.77
⑥	1590286.444	2945055.596	24.45	⑬	1690269.057	2945075.531	23.72	⑳	1690277.473	2945049.039	24.35
⑦	1590297.909	2945057.436	24.45	⑭	1690267.190	2945054.440	24.30				

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PHONE (907) 586-2093
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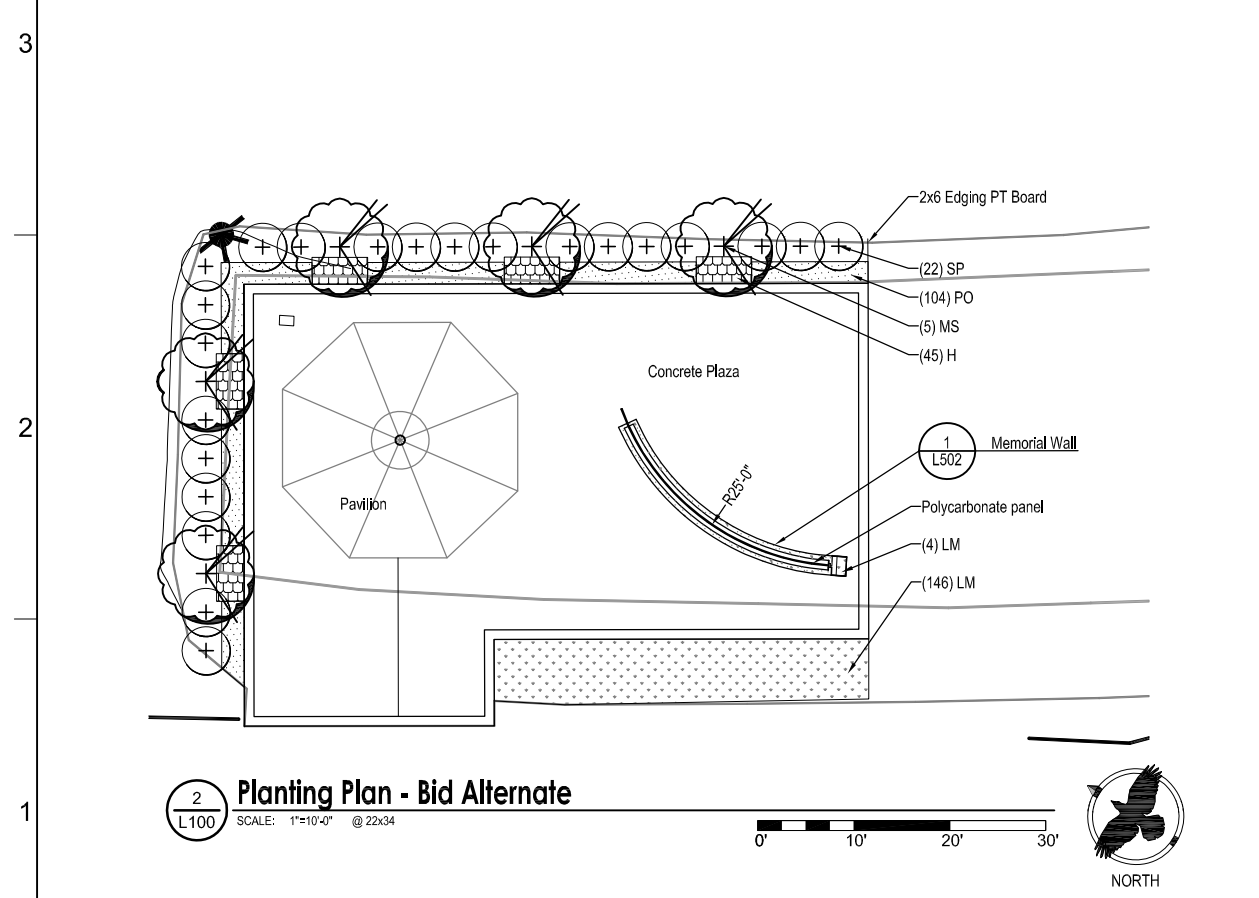
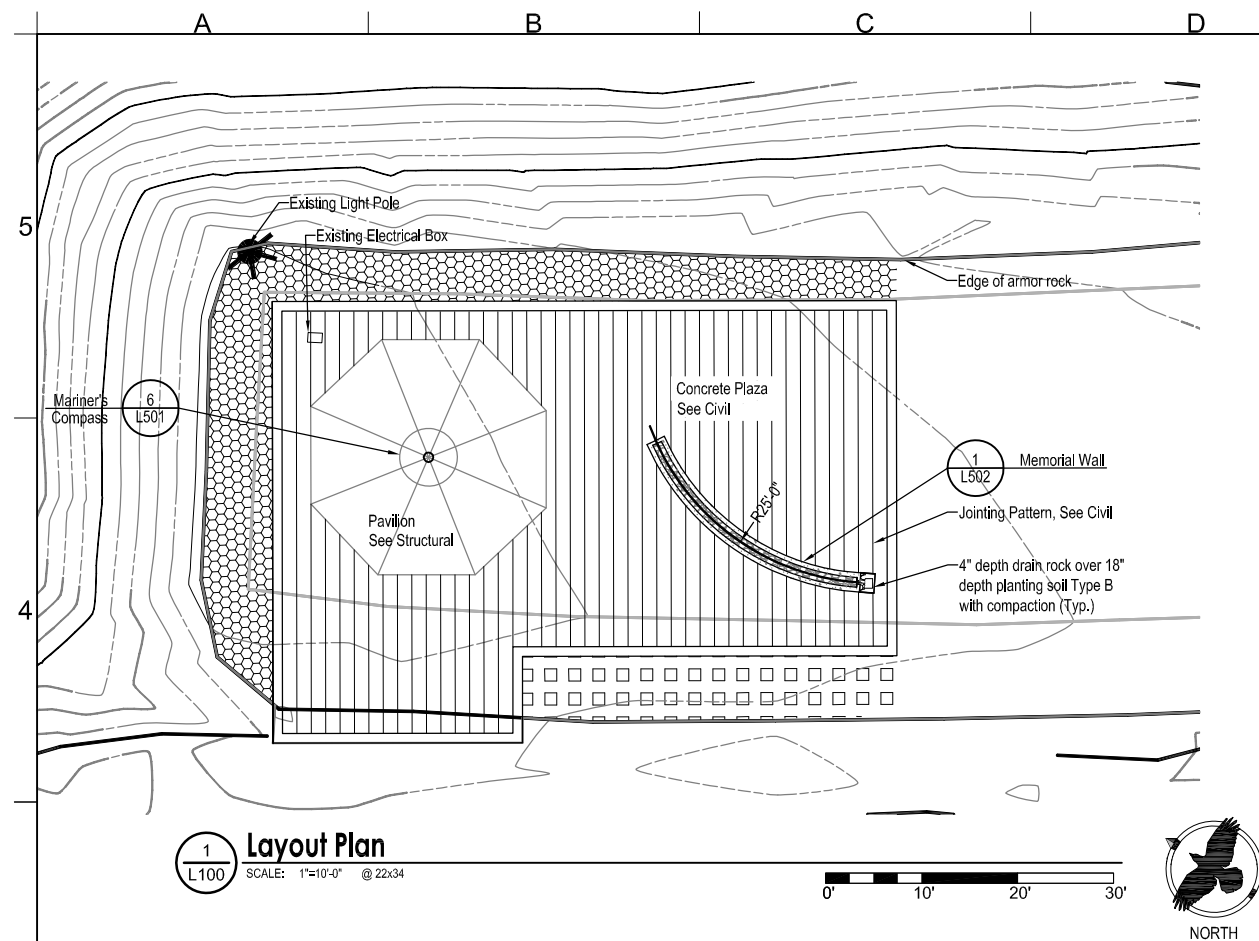
MARK	DATE	DESCRIPTION



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DATE: MAR 2015
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GRADING PLAN
SHEET #:
C102



Soils Legend - Bid Alternative

- Install 18 inches of planting soil Type A with compaction and 2 inches of mulch.
- Install 18 inches of planting soil Type B with compaction.

Note:
Excavate to the depth required to accept planting soil and where indicated, mulch, to meet final grades.

Planting Schedule - Bid Alternate

Deciduous Trees- See Detail:

1
L501
Deciduous Tree Staked

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
5		MS	Malus 'Snowdrift'	Snowdrift Crabapple	1.5" CAL	CG	

Shrubs - See Detail:

2
L501
Shrub Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
22		SP	Syringa pubescens ssp. Patula 'Miss Kim'	Miss Kim Lilac	#3	CG	

Perennials- See Detail:

3
L501
Perennial Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
104		PO	Pulmonaria officinalis	Spotted Lungwort	#1	CG	18" OC Triangular spacing
45		H	Hosta 'Halcyon'	Blue Plantain Lily	#1	CG	18" OC Triangular spacing

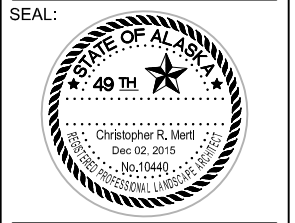
Grasses- See Detail:

4
L501
Plug Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
146		LM	Leymus mollis	Beach Wildrye Grass	plug		18" OC Triangular spacing

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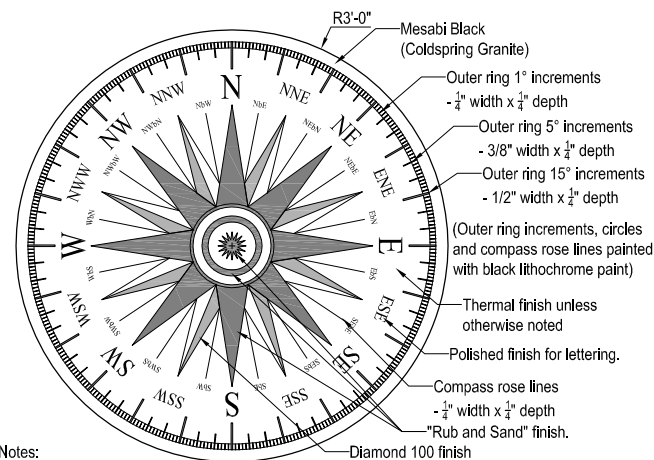
MARK	DATE	DESCRIPTION



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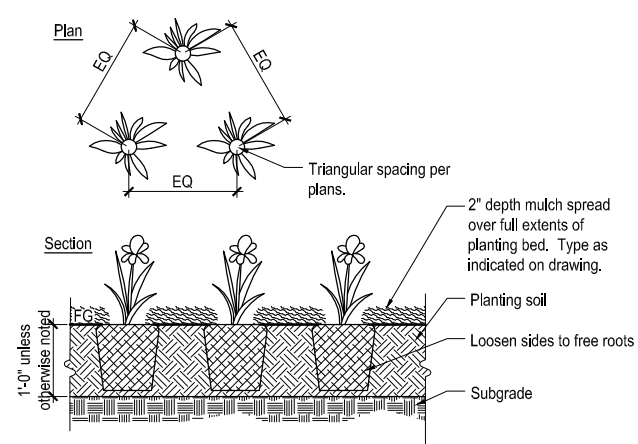
DATE: December 2015
JOB NUMBER: COW-14-01
DRAWN BY: NF, EJ
CHECKED BY: CM

Site Plan and Bid Alt
SHEET #:
L100

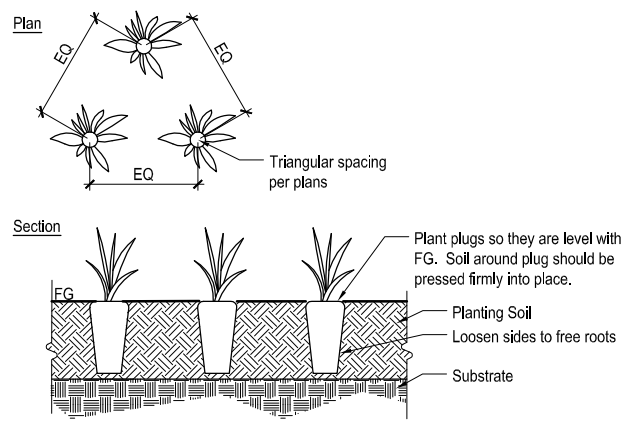


- Notes:
1. Final finishes to optimize pattern visibility to be developed with fabricator.
 2. Granite will need to be multiple pieces. Assume center circle with four surrounding equal size pieces.
 3. Design to be provided by Landscape Architect.

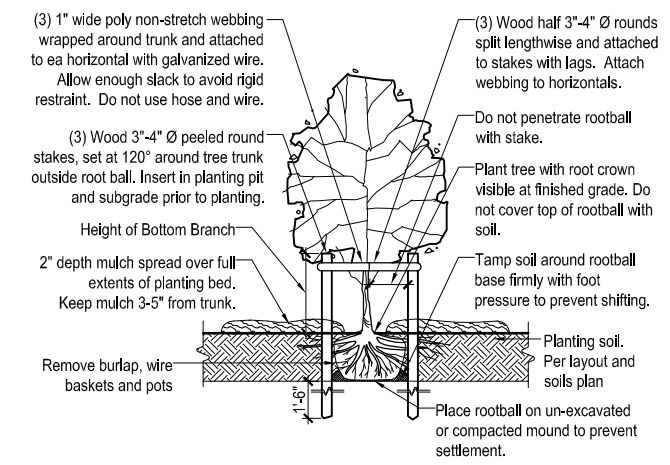
5 Mariner's Compass
 SCALE: 3/4"=1'-0"
 dt-pvmt-comp.dwg



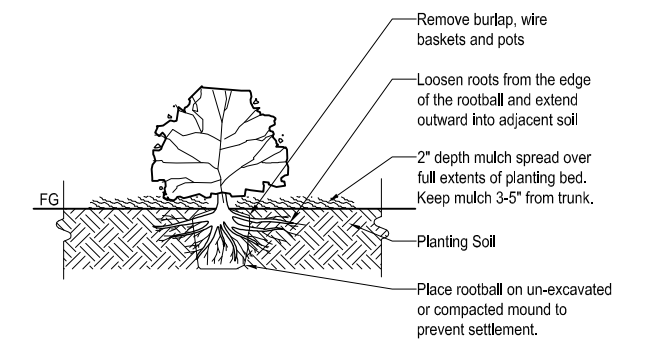
3 Perennial Planting
 SCALE: 3/4"=1'-0"
 dt-plnt-pere.dwg



4 Plug Planting
 SCALE: NTS
 dt-plnt-plug.dwg



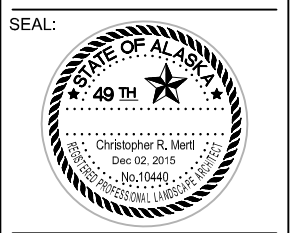
1 Deciduous Tree Planting - Staked
 SCALE: 1/2"=1'-0"
 dt-tree-decod-stak-se.dwg



2 Shrub Planting
 SCALE: 3/4"=1'-0"
 dt-plnt-shrb-se.dwg

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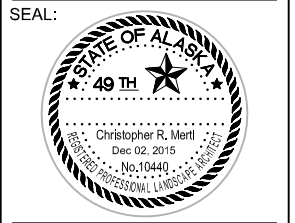
DATE: December 2015
 JOB NUMBER: COW-14-01
 DRAWN BY: NF, EJ
 CHECKED BY: CM

Details
 SHEET #:
L501



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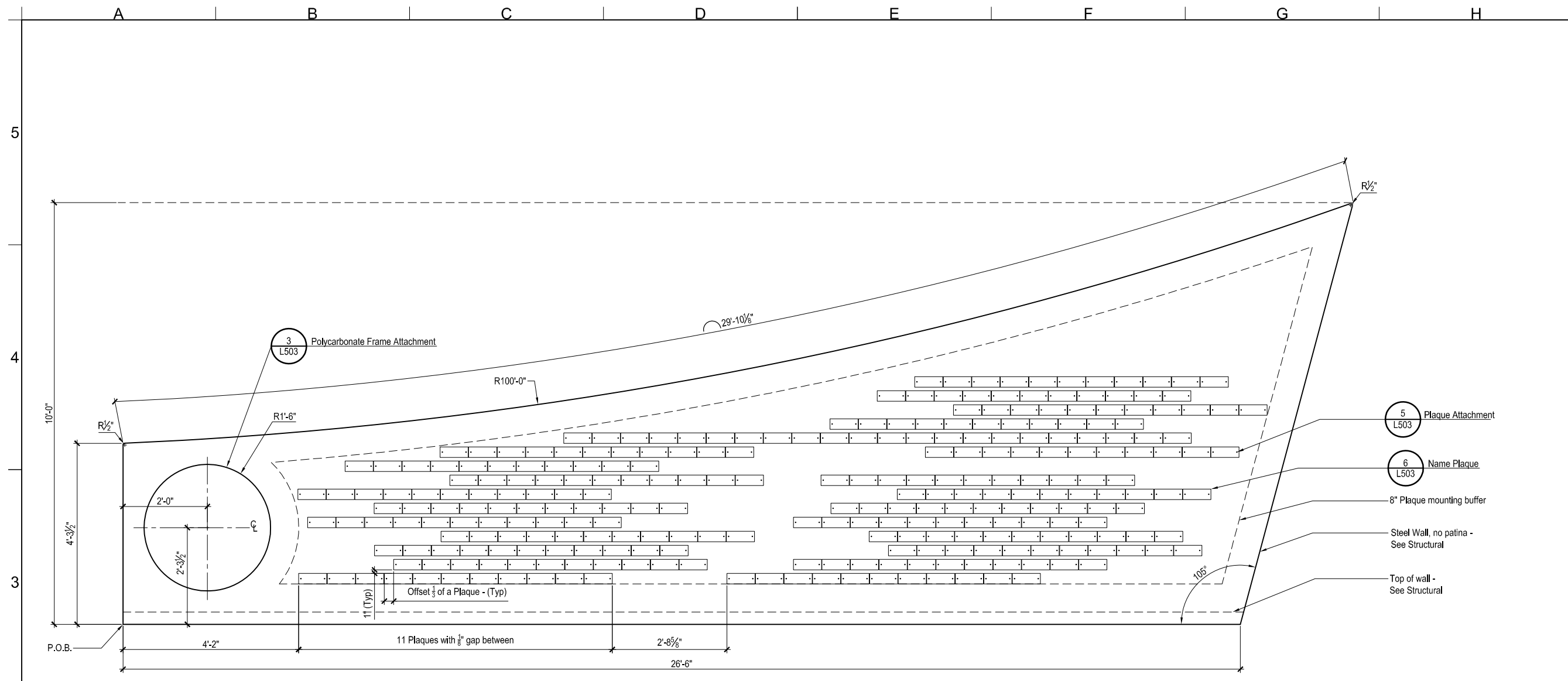
MARK	DATE	DESCRIPTION



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Mariner's Memorial
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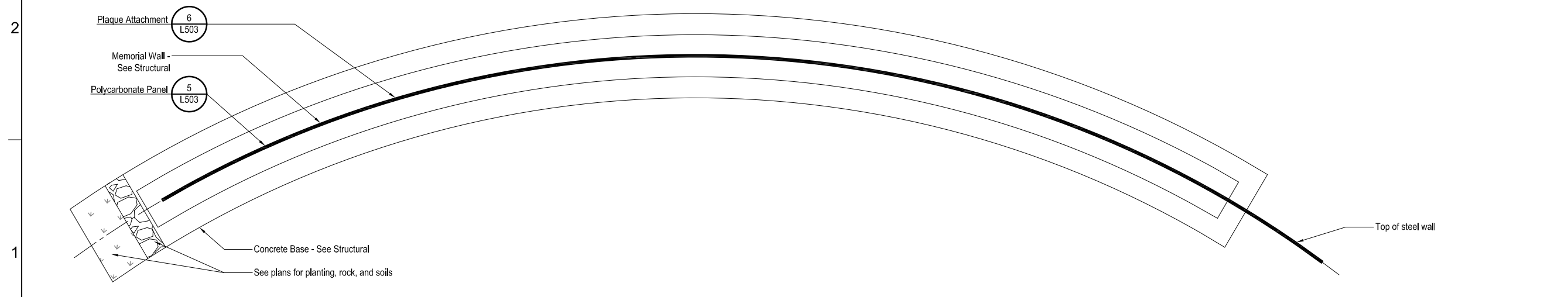
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 JOB NUMBER: COW-14-01
 DRAWN BY: NF, EJ
 CHECKED BY: CM

Details
 SHEET #:
L502



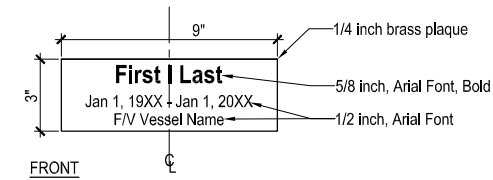
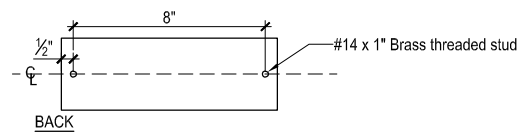
1
 L502
 Memorial Wall - Flat Layout
 SCALE: 3/4" = 1'-0"

dt-wall-flat.dwg



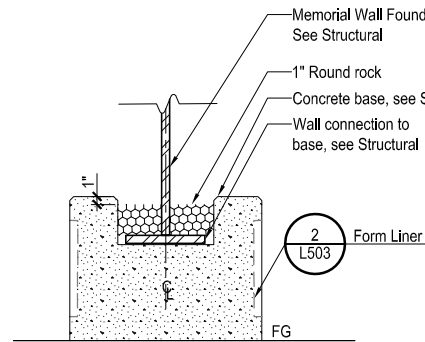
2
 L502
 Memorial Wall - Plan
 SCALE: 3/4" = 1'-0"

dt-wall-plan-2.dwg

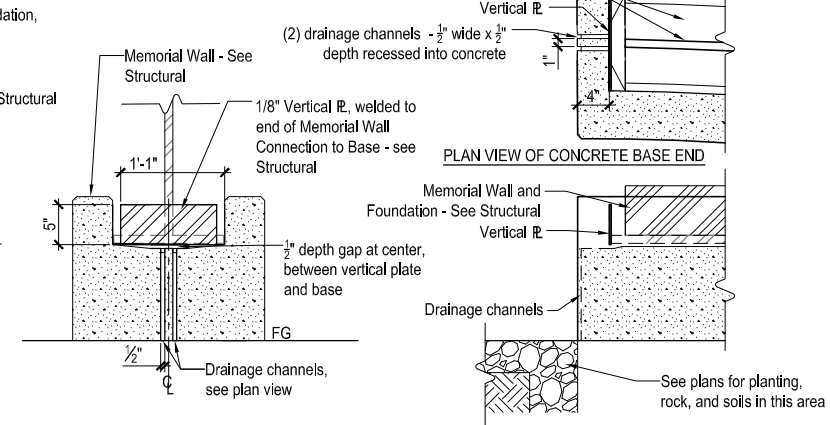


Note:
Etched lettering to be black and centered in plaque. No clearcoat to be applied.

6 Name Plaque
SCALE: 3"=1'-0"
dl-wall-plaq.dwg

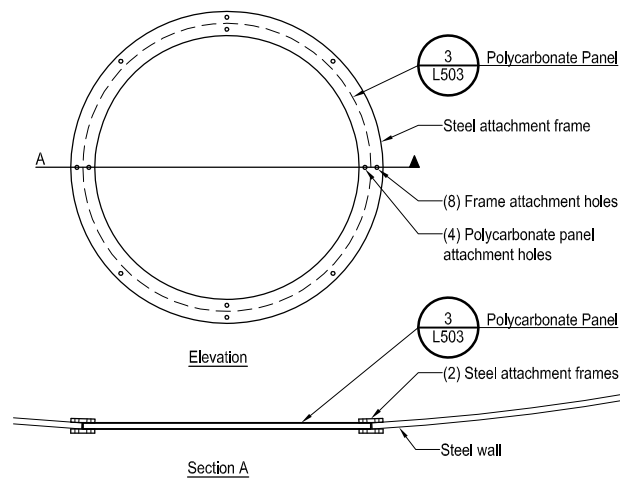


1 Wall Drainage
SCALE: 1"=1'-0"
dl-wall-base.dwg

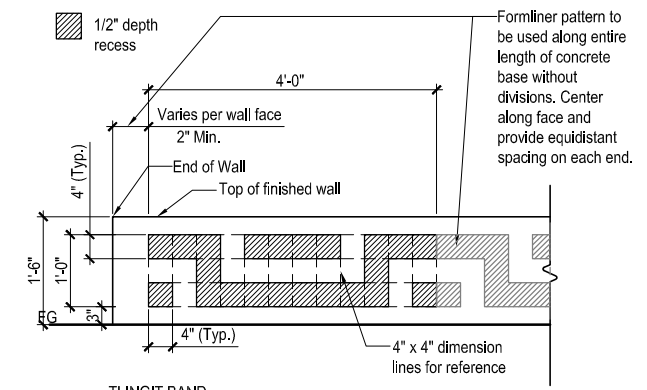


ELEVATION OF CONCRETE BASE END

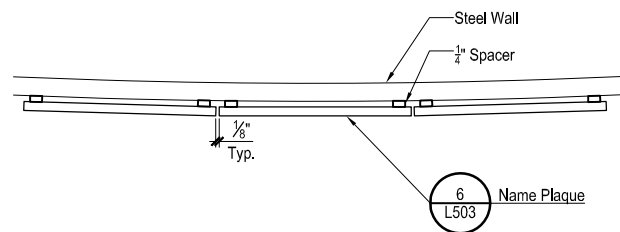
ELEVATION OF CONCRETE BASE END



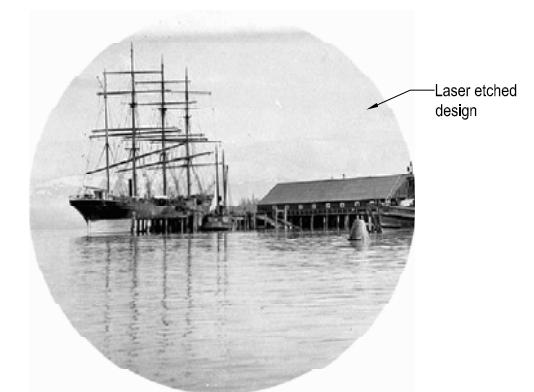
4 Polycarbonate Frame Attachment
SCALE: 1"=1'-0"
dl-wall-grph-atch.dwg



2 Form Liner
SCALE: 3/4"=1'-0"
dl-wall-form.dwg



5 Plaque Attachment
SCALE: 3"=1'-0"
dl-wall-plat-atch.dwg



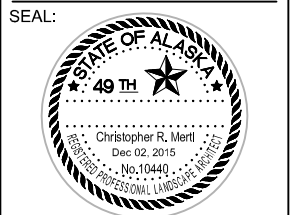
Alaska Packers Association
Cannery, 1918

3 Polycarbonate Etched Design
SCALE: 12"=1'-0"
dl-wall-grph



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Landscape Architecture
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119 Seward St, 99801

MARK	DATE	DESCRIPTION



City and Borough of Wrangell
Mariner's Memorial
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Wrangell, Alaska

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Details

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L503



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 2506-B Fairbanks St. 99503
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 119 Seward St. 99801

NorthWind Architects LLC
 126 Seward St
 Juneau, AK 99801
 Ph #907.586.6150
 www.northwindarch.com

MARK	DATE	DESCRIPTION

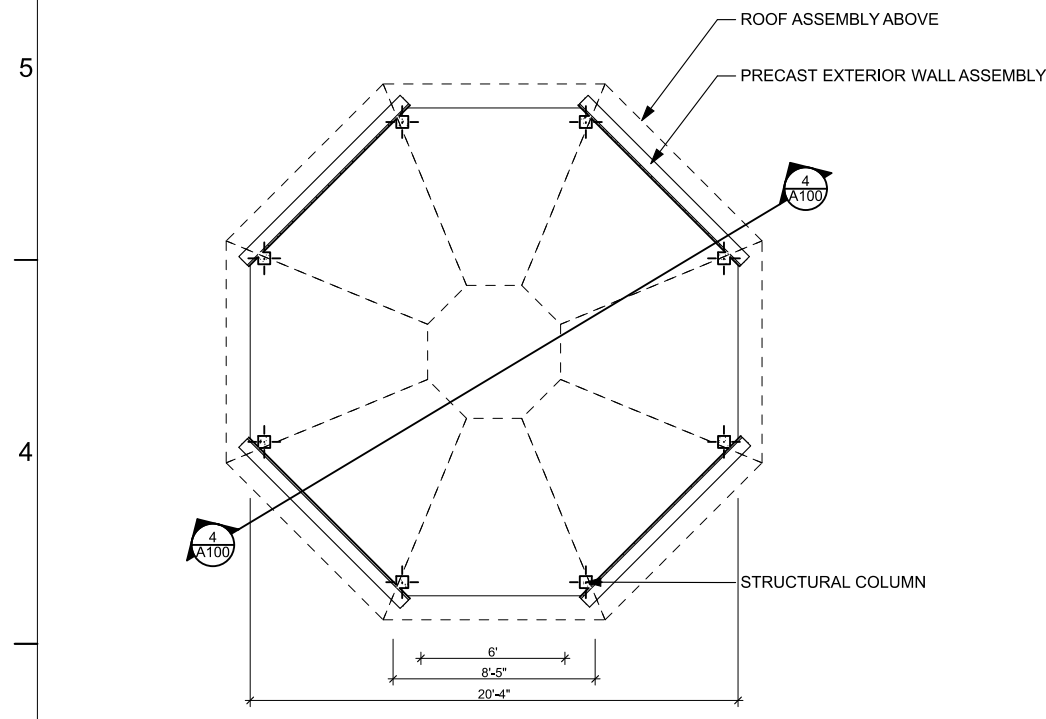


City and Borough of Wrangell
Mariner's Memorial
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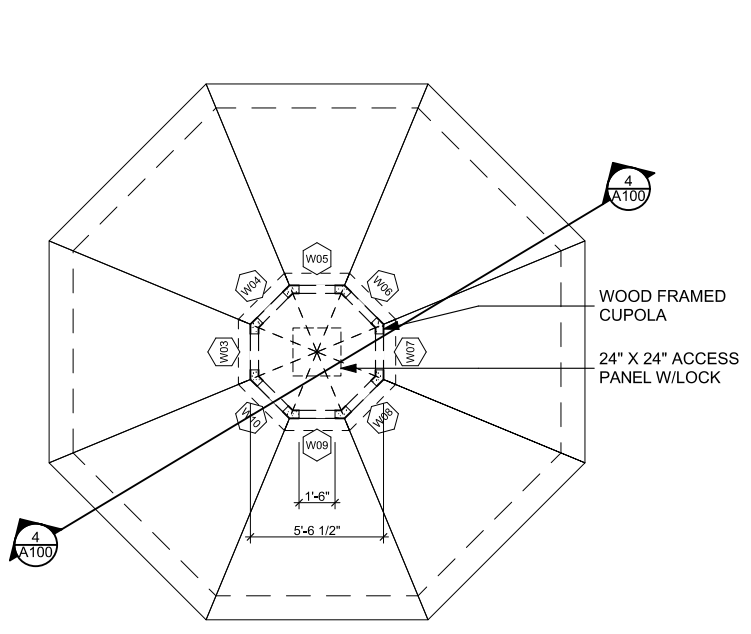
DATE: DEC 2015
 JOB NUMBER: COW-14-01
 DRAWN BY: NF
 CHECKED BY: CM

PAVILION
 SHEET #:
A100

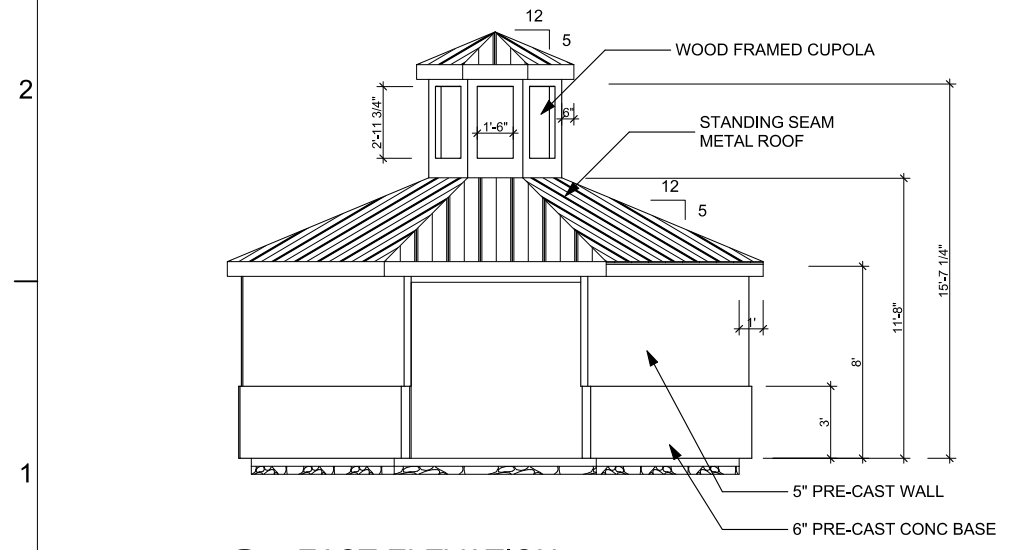
A | B | C | D | E | F | G | H



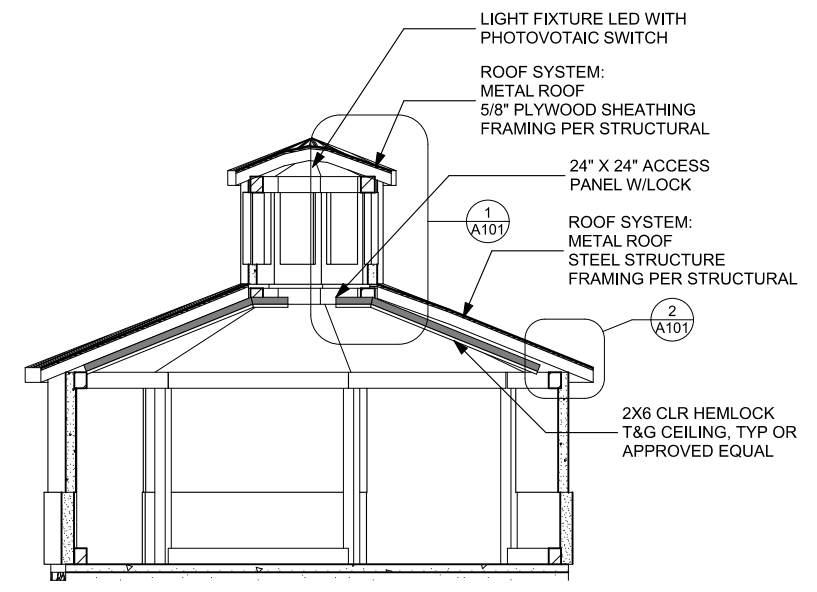
1 FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 0 2' 4' 8'



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

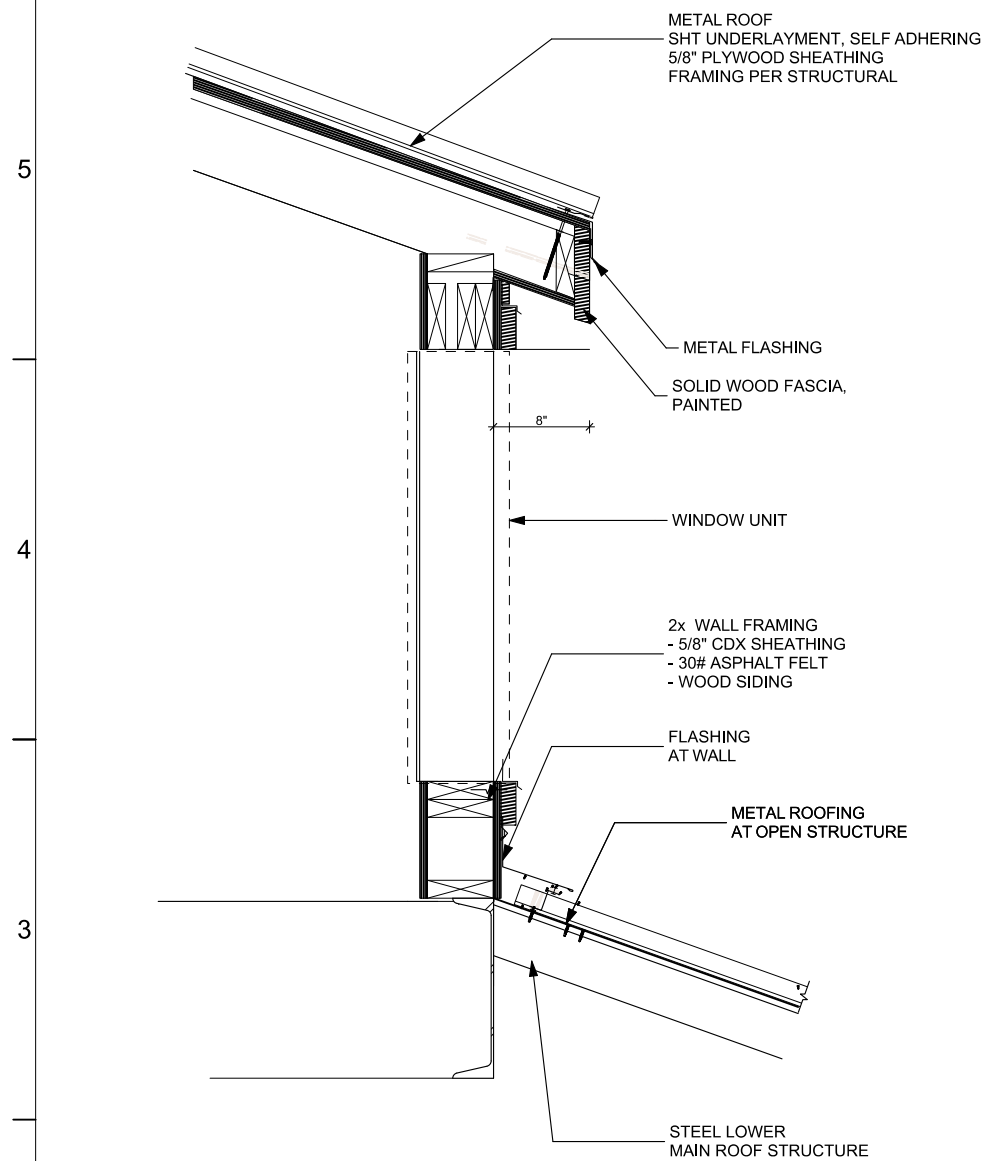


3 EAST ELEVATION
 SCALE: 1/4" = 1'-0"

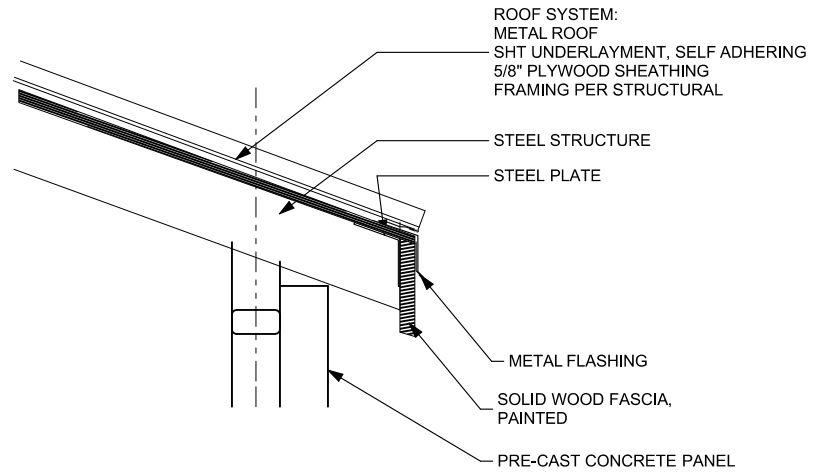


4 SECTION
 SCALE: 1/4" = 1'-0"

A B C D E F G H



1 TYP SECTION THROUGH UPPER ROOF SYSTEM
SCALE: 1 1/2" = 1'-0"

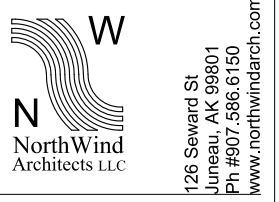


2 TYP SECTION THROUGH LOWER ROOF EAVE
SCALE: 1 1/2" = 1'-0"

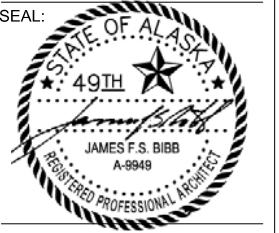
REFERENCE DETAIL C/S202



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PAVILION
SHEET #:
A101

City and Borough of Wrangell
Wrangell Mariner Memorial, Phase I
November 14, 2015
Construction Estimate

Work Item	Quantity	Units	Unit Cost	Cost
Mobilization	1	LS	\$22,726.60	\$22,727
Surveying	1	LS	\$5,000.00	\$5,000

Demolition

Cut Existing Asphalt	1	LS	\$750.00	\$750
Remove Asphalt	1	LS	\$4,500.00	\$4,500

Site Work

Backfill and Grading	1	LS	\$9,000.00	\$9,000
Concrete Paving	41	CY	\$750.00	\$30,750
Site Electrical	1	LS	\$5,000.00	\$5,000

Memorial Wall

Excavate for Wall	1	LS	\$1,500.00	\$1,500
Wall Concrete Foundation	12	CY	\$1,500.00	\$18,000
Memorial Wall	1	EA	\$60,000.00	\$60,000
Memorial Plaques	400	EA	\$100.00	\$40,000

Pavillion

Excavate for Pavillion	1	LS	\$5,000.00	\$5,000
Pavillion Concrete Foundation	8	CY	\$1,000.00	\$8,000
Structural Steel	5500	lbs	\$4.00	\$22,000
Precast Walls	5	CY	\$2,000.00	\$10,000
Roofing	450	SF	\$15.00	\$6,750
Cupola	1	LS	\$10,000.00	\$10,000
Electrical-Light	1	LS	\$2,500.00	\$2,500
Trim and Ceiling	1	LS	\$7,500.00	\$7,500
Granite Medallion	1	EA	\$2,500.00	\$2,500

Landscaping

Excavate for Landscaping	1	LS	\$500.00	\$500
Soil - 18" depth	85	CY	\$49.00	\$4,165
Mulch	880	SF	\$0.72	\$634
Trees	5	EA	\$430.00	\$2,150
Shrubs	22	EA	\$71.00	\$1,562
Perennials	149	EA	\$40.00	\$5,960
Plugs	146	EA	\$20.00	\$2,920

PND Engineers

9360 Glacier Highway
Juneau, Alaska 99801
(907) 586-2093

Construction Subtotal		\$289,367
Budget Contingency	15.0%	\$43,400
Recommended Budget		\$332,767