Standard Abbreviations

@	AT
ACT	ACOUSTICAL TILE
AD	AREA DRAIN
AE	ARCHITECT-ENGINEER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ARCH	ARCHITECT(URAL)
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
APPX	APPROXIMATE
ALUM	ALUMINUM
ABV	ABOVE
ADJ	ADJACENT
ALT	ALTERNATE
BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BTM	BOTTOM
BRG	BEARING
BRK	BRICK
BUR	BUILT UP ROOFING
BR	BACKER ROD
BTW	BETWEEN
B/W	BOTH WAYS
CEM PL	CEMENT PLASTER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CHEM	CHEMICAL
CJ	CONTROL JOINT/ CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUE(OUS)
CPT	CARPET(ED)
CT	CERAMIC TILE
CAB	CABINET
CEM	CEMENT
CF	CUBIC FEET
CIP	CAST IN PLACE
CIR	CIRCLE
C/L	CENTER LINE
CLOS	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CPT	CARPET
CTR	COUNTER
DEMO	DEMOLISH(TION)
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DR	DOOR
DWG	DRAWING(S)
DISP	DISPENSER
D/W	DISH WASHER
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
EP	ELECTRICAL PANEL
ES	EACH SIDE
EST	ESTIMATE
EXH	EXHAUST
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FIXT	FIXTURE
FL	FLOOR
FO	FACE OF
FT	FOOT/FEET
FTG	FOOTING
FA	FIRE ALARM
FD	FLOOR DRAIN
FLR	FLOOR (ING)
GA	GAGE/GAUGE
GALV	GALVANIZED
GL	GLASS/GLAZING
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
GB	GRAB BAR
GC	GENERAL CONTRACT (OR)
HA	HANDICAP ACCESSIBLE
HDW	HARDWARE
HM	HOLLOW METAL
HR	HOUR
HT	HEIGHT/HIGH
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HB	HOSE BIBB
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATE(D)(ION)
INT	INTERIOR
JT	JOINT
JAN	JANITOR
JST	JOIST
KIT	KITCHEN
L	LENGTH
LAV	LAVATORY
LF	LINEAL FEET
LAM	LAMINATED
LBS	POUND (S)
MB	MARKER BOARD
MAX	MAXIMUM
MECH	MECHANIC(AL)
MTL	METAL
MFR	MANUFACTURE(R)
MIN	MINIMUM
MISC	MISCELLANEOUS
MT	METAL THRESHOLD
MAS	MASONRY
MED	MEDIUM
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
	POUNDS PER SQUARE INCH
OC	ON CENTER(S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OFCRI	OWNER FURNISHED CONTRACTOR ROUGH IN
OH	OVERHEAD
OPH	OPPOSITE HAND
OPP	OPPOSITE
PL	PLATE
PLAM	PLASTIC LAMINATE
PR	PAIR
PT	PRESSURE TREATED
PARA	PARALLEL
PB	PANIC BAR
PED	PEDESTAL
PSI	
PWD	PLYWOOD
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
R	RISER/RADIUS
RD	ROOF DRAIN
REC	RECESSED
REINF	REINFORCE(D)(ING)
REQ	REQUIRED
RES	RESILIENT
REV	REVISE(SION)(D)
RM	ROOM
RO	ROUGH OPENING
RA	RETURN AIR
REF	REFRIGERATOR
REG	REGISTER
ROW	RIGHT OF WAY
S	SOUTH
SC	SOLID CORE
SECT	SECTION
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
STRUCT	STRUCTURAL
SYS	SYSTEM
SB	SPLASH BLOCK
STL	STEEL
SCH	SCHEDULE
T	TREAD
TB	TACK BOARD
THK	THICK(NESS)
TO	TOP OF
TYP	TYPICAL
TOP	TOP OF PLATE
T&G	TONGUE AND GROOVE
TG	TEMPERED GLASS
TOL	TOLERANCE
TV	TELEVISION
UC	UNDERCUT
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UNF	UNFINISHED
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WEST/WIDTH
W/	WITH
W/O	WITHOUT
WPT	WORK POINT
WB	WOOD BASE
WWF	WELDED WIRE FABRIC
WR	WATER REPELLENT
WM	WIRE MESH
W/H	WATER HEATER
WD	WOOD
WC	WATER CLOSET
WA	WASHER
WDT	WIDTH, WIDE
WG	WIRE GLASS

Christopher Goodpaster, Architect

Digitally signed by Christopher Goodpaster, Architect
DN: cn=Christopher Goodpaster, Architect, o, ou, email=cgoodpaster@gmail.com, c=US
Date: 2025.12.23 10:07:54 -06'00'

General Notes

A.) THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR AND OTHER NECESSARY ITEMS FOR THE COMPLETION OF WORK DESCRIBED ON THESE DRAWINGS.

B.) ALL MATERIAL WORKMANSHIP SHALL CONFORM TO THE LATEST UBC, NEC, UPC, UFC, OSHA, ALL LOCAL BUILDING CODES, AND ANY OTHER CONSTRUCTION INDUSTRY STANDARDS.

C.) THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, NOTES, DETAILS, EXISTING SITE CONDITIONS, AND ANY OTHER RELATED ITEMS PERTAINING TO THIS PROJECT AND REPORT ANY ERRORS, INCONSISTENCIES, AND / OR OMISSIONS TO THE ARCHITECT, PRIOR TO PROCEEDING WITH ANY WORK OR MATERIAL PURCHASES. IF CONFLICTS ARE FOUND, THE MOST STRINGENT CONDITIONS SHALL GOVERN UNLESS SPECIFIC WRITTEN NOTIFICATION BY THE ARCHITECT.

D.) DRAWINGS MAY NOT ALWAYS BE TO SCALE. NOTED DIMENSIONS MAY SOMETIMES TAKE PRECEDENCE. DIMENSIONS ARE NOT ADJUSTABLE UNLESS NOTED WITH A PLUS /MINUS SYMBOL (+/-).

E.) THE ARCHITECT IS SOLELY RESPONSIBLE FOR THE DESIGN AND INTERPRETATION OF THESE CONSTRUCTION DOCUMENTS.

F.) THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR ALL CONDITIONS OF THE JOB SITE AT ALL TIMES INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

G.) THE CONTRACTOR SHALL PROVIDE ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS, BRACING, AND SHORING AS REQUIRED. THESE SHALL REMAIN IN PLACE, UNTIL ALL ELEMENTS OF THE DESIGN HAVE BEEN INCORPORATED INTO THE PROJECT.

H.) THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING HIS BEST SKILL AND UNDIVIDED ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT, UNLESS CONTRACT DOCUMENTS GIVE OTHER SPECIFIC INSTRUCTIONS CONCERNING THESE MATTERS.

J.) THE CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALL-ATION OF BUILDING SYSTEM EQUIPMENT AND VERIFY THAT THE REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF THE EQUIPMENT. PROVIDE ALL ASSOCIATED WORK WHICH INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING SYSTEMS: MECHANICAL, ELECTRICAL, PLUMBING AND TELEPHONE/COMMUNICATION EQUIPMENT.

K.) UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR BUILDING PERMITS AND ANY OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK DESCRIBED IN THESE DOCUMENTS. THE CONTRACTOR SHALL COMPLY WITH AND GIVE NOTICES REQUIRED BY LAWS, ORDINANCES, RULES AND REGULATIONS, AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON PERFORMANCE OF THE WORK.

L.) ALL MATERIALS AND CONSTRUCTION SHALL BE FREE OF MOLDS, BACTERIA, AND OTHER SUCH ORGANIC CONTAMINANTS. MATERIALS SHALL BE PROTECTED FROM SUCH CONTAMINANTS BEFORE, DURING, AND AFTER INSTALLATION. WET, MOIST, OR DAMP MATERIALS SHALL NOT BE INSTALLED INTO THE WORK. ANY INSTALLED MATERIALS CONTAINING SUCH MOISTURE OR CONTAMINANTS SHALL BE REPLACED AND/OR REMOVED FROM THE WORK.

M.) THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL DEBRIS CAUSED BY THE CONTRACT WORK FROM THE PROPERTY AS IT ACCUMULATES.

N.) THE CONTRACTOR IS RESPONSIBLE TO PREPARE THE BUILDING FOR OCCUPANCY WITH A THOROUGH CLEANING THROUGHOUT.

O.) THE CONTRACTOR SHALL VERIFY ALL FINISHES WITH OWNER / TENANT INCLUDING: PAINT, TRIM, MILLWORK, FLOORING, CEILING AND WALL COVERINGS.

P.) FIRE EXTINGUISHER, ELECTRICAL PANELS, TELEPHONE EQUIPMENT BOARDS, ETC., SHALL BE LOCATED IN ACCORDANCE WITH REQUIREMENTS SET BY THE GOVERNING AGENCIES. ANY LOCATIONS NOT SHOWN SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH-IN INSTALLATION. UNLESS OTHERWISE NOTED, THE ABOVE PANELS AND/OR EQUIPMENT SHALL BE SURFACE MOUNTED AND MAINTAIN THE INTEGRITY OF WALL FIRE RATING REQUIREMENTS.

Q.) IN THE EVENT THE CONTRACTOR ENCOUNTERS MATERIALS ON THE SITE THAT ARE REASONABLY BELIEVED TO BE ASBESTOS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER IN WRITING.

R.) THE CONTRACTOR SHALL COORDINATE AND SCHEDULE REQUIRED INSPECTIONS WITH LOCAL AUTHORITIES HAVING JURISDICTION.

Index Of Drawings

NOTE:
CONTRACTOR TO SUBMIT ALL FLORIDA PRODUCT APPROVAL CODES RELATED TO THE EXTERIOR BUILDING ENVELOPE FOR PERMITTING.

Applicable Code: ■ New Construction ☐ Renovation (Existing Building)

Florida Building Code 2023 Edition
Florida Existing Building Code 2023 Edition
Florida Plumbing Code 2023 Edition
Florida Mechanical Code 2023 Edition
National Electric Code 2021 Edition
NFPA 101, Life Safety Code 2021 Edition
Florida Fire Prevention Code 2021 Edition

Building Data:

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ■ V-B
Mixed Construction: ☐ Yes ■ No Type:
Sprinklers: ■ No ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Protected: ■ No ☐ Yes ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☐ No ■ Yes
Building Height: 24'-0" 2 Number of Stories ☐ Unlimited Per
Mezzanine: ■ No ☐ Yes
High Rise: ■ No ☐ Yes

Building Areas:

Floor:	New (Sq. Ft.)
Total Sq. Ft.	1,638 Sq. Ft.

Occupancy:

Primary Occupancy:	■ Assembly	☐ A-1	☐ A-2	☐ A-3	☐ A-4 ☐ A-5
	☐ Business	☐ Educational	☐ Factory -Industrial		☐ F-1 ☐ F-2
	☐ High-Hazard	☐ H-1	☐ H-2	☐ H-3	☐ H-4 ☐ H-5
	☐ Institutional	☐ I-1 I-1 Use Condition	☐ I-2	☐ I-3 ☐ 1 ☐ 2	☐ I-4 ☐ 3 ☐ 4 ☐ 5
	☐ Mercantile	☐ Residential	☐ R-1	☐ R-2 ☐ High-Filled	☐ R-3 ☐ R-4
	☐ Storage	☐ S-1	☐ S-2 Parking Garage	☐ Open	☐ Enclosed ☐ Repair
	☐ Utility and Miscellaneous				

Mixed Occupancy: ■ No

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STATE OF FLORIDA
CHRISTOPHER GOODPASTER
AR96630
REGISTERED ARCHITECT
AR0096630

Nature Center at Kellogg Park - Walton County

East Nursery Road
Santa Rosa Beach, Florida 32459

DRAWN BY: CG | CHECKED BY: CG
APPROVED BY:
REVISIONS:

SHEET TITLE: GENERAL INFORMATION

DATE: 8/30/2024 | FILE: 21011

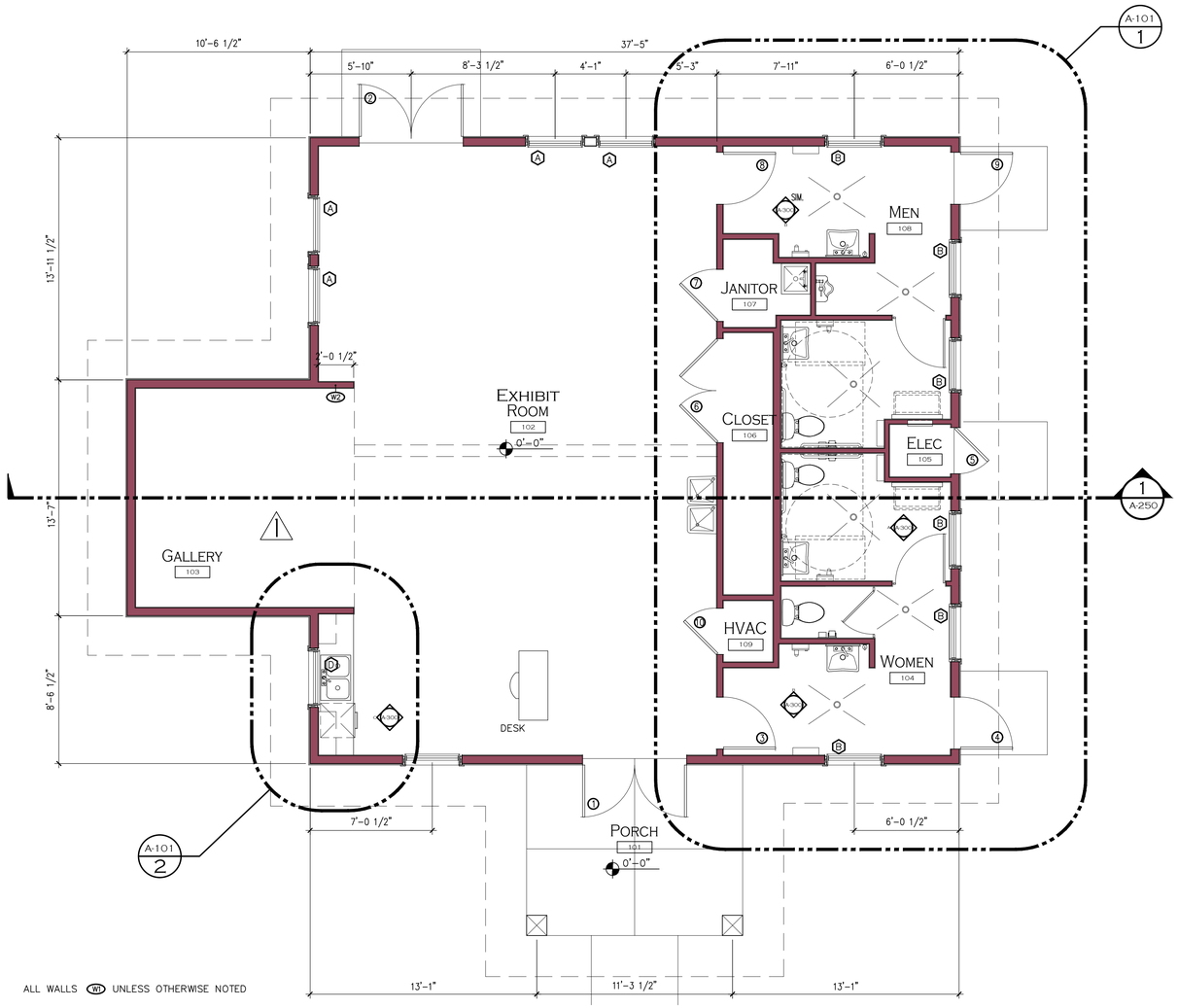
DRAWING NUMBER: A-001

SQUARE FOOTAGE

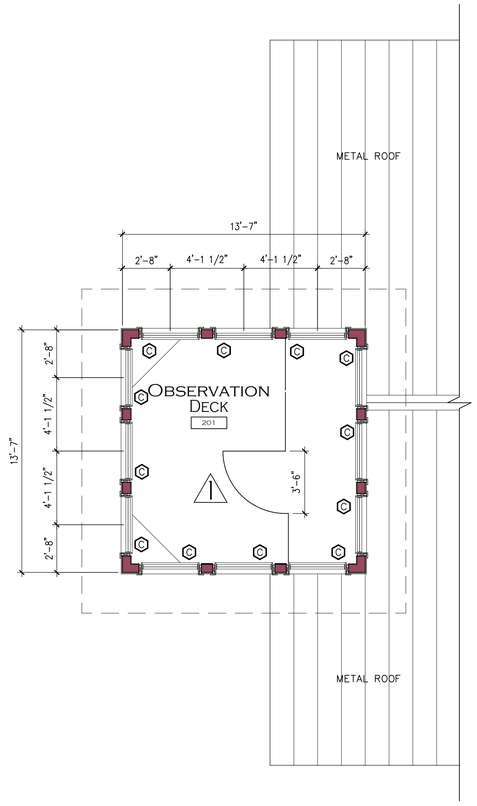
ROOM #	ROOM NAME	SQ. FT.
FIRST FLOOR		
102	EXHIBIT ROOM	783 SQ. FT.
103	GALLERY	159 SQ. FT.
104	WOMEN'S ROOM	177 SQ. FT.
105	ELECTRICAL ROOM	11 SQ. FT.
106	CLOSET	44 SQ. FT.
107	JANITOR CLOSET	21 SQ. FT.
108	MEN'S ROOM	171 SQ. FT.
109	HVAC	10 SQ. FT.
	WALL AREA	125 SQ. FT.
	TOTAL FIRST FLOOR	1,501 SQ. FT.
SECOND FLOOR (INACCESSIBLE)		
201	OBSERVATION DECK	100 SQ. FT.
	WALL AREA	30 SQ. FT.
	TOTAL SECOND FLOOR	130 SQ. FT.
TOTAL ENCLOSED AREA		**1,631 SQ. FT.**
101	PORCH	122 SQ. FT.
TOTAL AREA		**1,753 SQ. FT.**

FLOOR PLAN LEGEND

- CMU WALL
- (1) SEE DOOR SCHEDULE
- (A) SEE LOUVER SCHEDULE
- 104 SEE FINISH SCHEDULE
- W1 SEE PARTITION TYPES
- 0'-0" REFERENCE ELEVATION HEIGHT
- A-501 / 1 INTERIOR ELEVATIONS
- (1) SEE KEY NOTES



1 / A-100 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 / A-100 SECOND FLOOR PLAN
SCALE: 1/2" = 1'-0"

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AR0096630

Nature Center at Kellogg Park - Walton County

East Nursery Road
Santa Rosa Beach, Florida 32459

DRAWN BY:	CHECKED BY:
CG	CG

APPROVED BY:

REVISIONS:

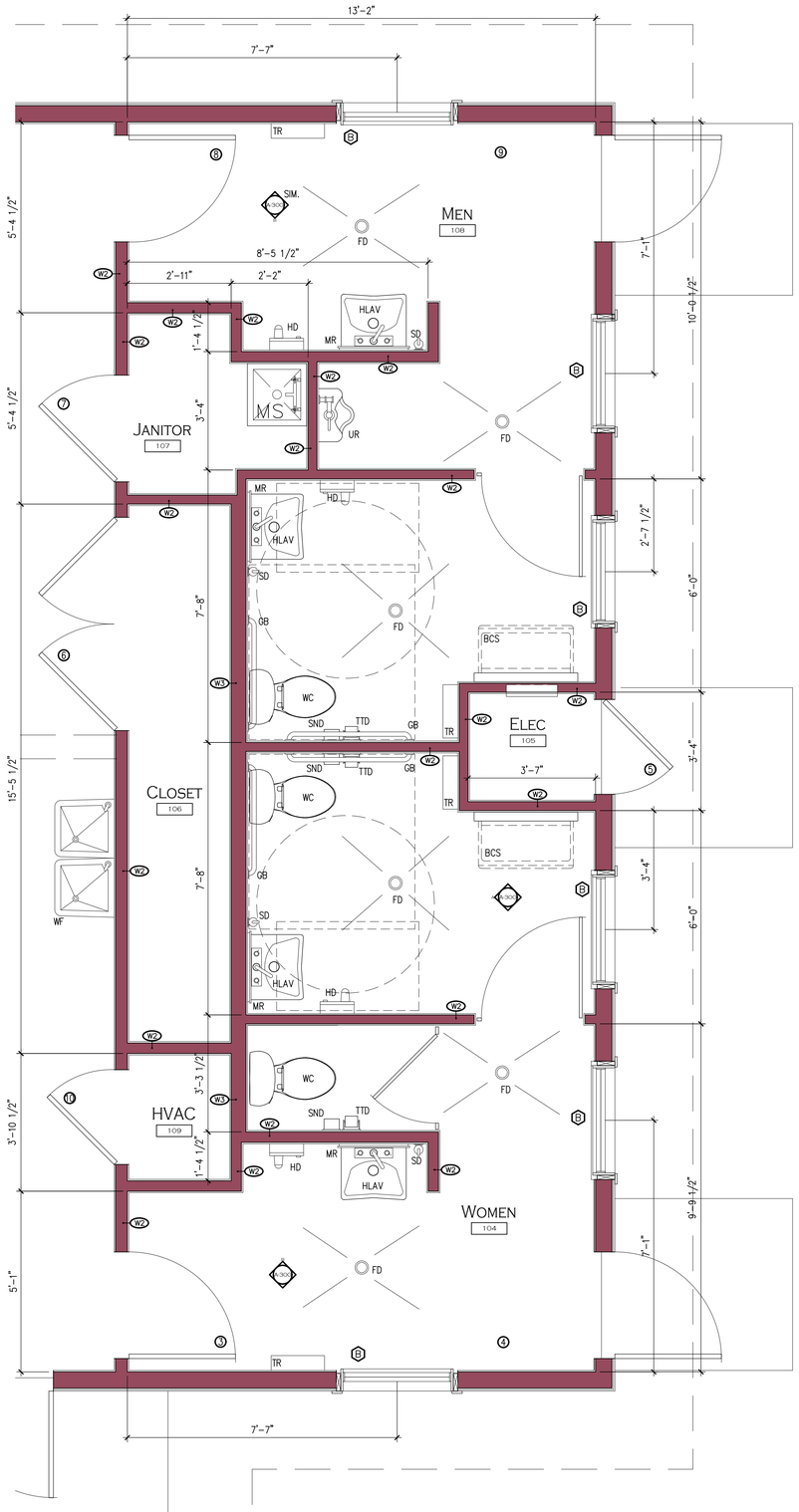
1	REVISION 1 - STAIR REMOVAL	12/23/25

SHEET TITLE: FLOOR PLANS

DATE: 8/30/2024 FILE: 21011

DRAWING NUMBER: A-100

FILE NAME: O:\21011 - Nature Ctr. Bldg. at Kellogg Park\Current\(e) 21011-A-100.dwg LAYOUT NAME: A-100 PLOTTED: Tuesday, December 23, 2025 - 9:53am USER: Chris



1 A-101 ENLARGED FLOOR PLAN

SCALE: 1/2" = 1'-0"

N

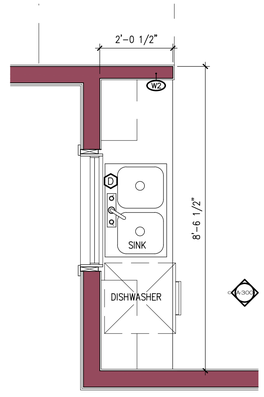
ACCESSIBLE FIXTURE REQUIREMENTS

MARK	ITEM	PLACEMENT
GB	GRAB BARS	MOUNT 34" A.F.F. TO C
TTD	TOILET TISSUE DISPENSER	MOUNT 19" A.F.F. TO C
HLAV	LAVATORY RIM HEIGHT	MOUNT 34" A.F.F.
MR	MIRROR SILL HEIGHT	MOUNT 40" A.F.F.
WC	TOILET – SEAT HEIGHT	MOUNT 17"–19" A.F.F.
HD	HAND DRYER	MOUNT 46" A.F.F.
SND	SANITARY NAPKIN DISPOSAL	MOUNT 19" A.F.F. TO C
UR	URINAL	MOUNT 17" A.F.F.
TR	TRASH RECEPTACLE	MOUNT 28" A.F.F.
BCS	BABY CHANGING STATION	MOUNT 34" A.F.F. TO TOP
CH	COAT HOOK	MOUNT 48" A.F.F.
SD	SOAP DISPENSER	MOUNT 48" A.F.F.
MS	MOP SINK	FLOOR MOUNT
WF	HI-LO ADA WATER FOUNTAIN	LOW SPOUT MAX. 36"

FLOOR PLAN LEGEND

- STUD WALL
- (1) SEE DOOR SCHEDULE
- (A) SEE LOUVER SCHEDULE
- 104 SEE FINISH SCHEDULE
- W1 SEE PARTITION TYPES
- 0'-0" REFERENCE ELEVATION HEIGHT
- A-501 INTERIOR ELEVATIONS
- (1) SEE KEY NOTES

ALL WALLS (W1) UNLESS OTHERWISE NOTED



MEETING AREA
102

2 A-101 ENLARGED FLOOR PLAN

SCALE: 1/2" = 1'-0"

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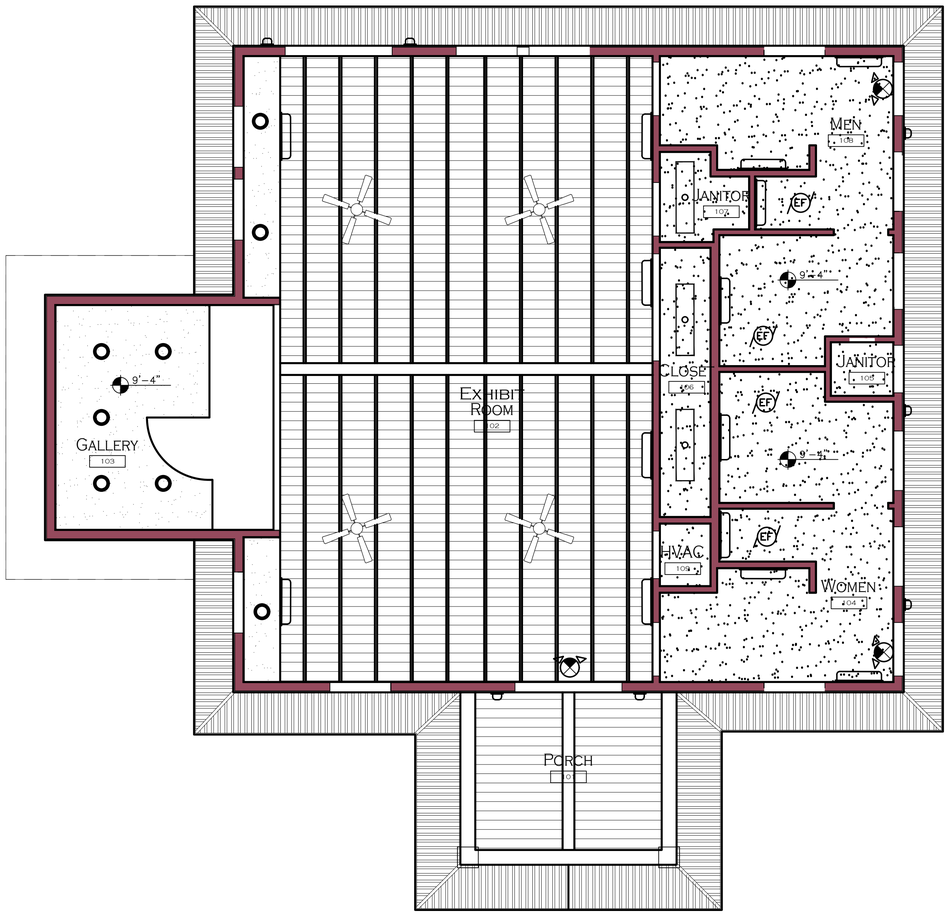
APPROVED BY:
REVISIONS:

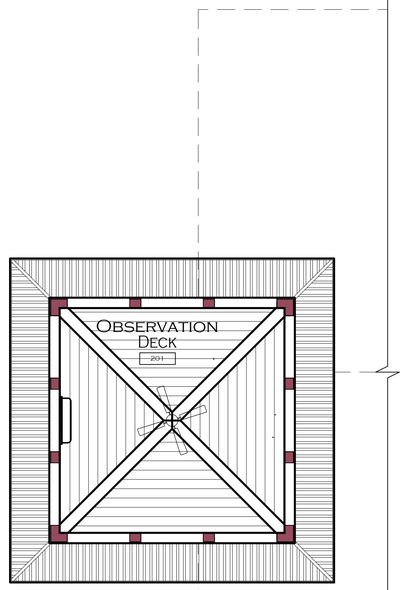
SHEET TITLE: ENLARGED FLOOR PLANS
DATE: 8/30/2024 | FILE: 21011
DRAWING NUMBER: A-101

Reflected Ceiling Plan Legend

- 1 x 4 T&G PINE – STAINED W/ EXPOSED BEAMS
- 5/8" MOISTURE RESISTANT GYPSUM BOARD
- VINYL SOFFITT
- SURFACE MOUNTED VANDAL RESISTANT FLUORESCENT LIGHTING FIXTURE (SEE ELECTRICAL DWGS.)
- SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE (SEE ELECTRICAL DWGS.)
- LED RECESSED CAN LIGHTING FIXTURE (SEE ELECTRICAL DWGS.)
- SURFACE MOUNTED WATER PROOF EXTERIOR LIGHTING FIXTURE (SEE ELECTRICAL DWGS.)
- LED EXIT SIGN, WITH EMERGENCY LIGHT & INTEGRAL BATTERY (SEE ELECTRICAL DWGS.)
- CEILING MOUNTED EXHAUST FAN – COORDINATE LOCATION WITH MECHANICAL. (SEE ELECTRICAL DWGS.)
- CEILING FAN w/ LIGHT KIT
- 9'-0" CEILING HEIGHT



1 A-100 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



2 A-100 SECOND FLOOR REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"

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CHRISTOPHER GOODMASTER
AR96630
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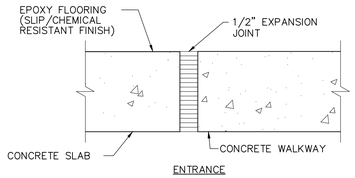
SHEET TITLE: REFLECTED CEILING PLANS
DATE: 8/30/2024 | FILE: 21011
DRAWING NUMBER: A-102

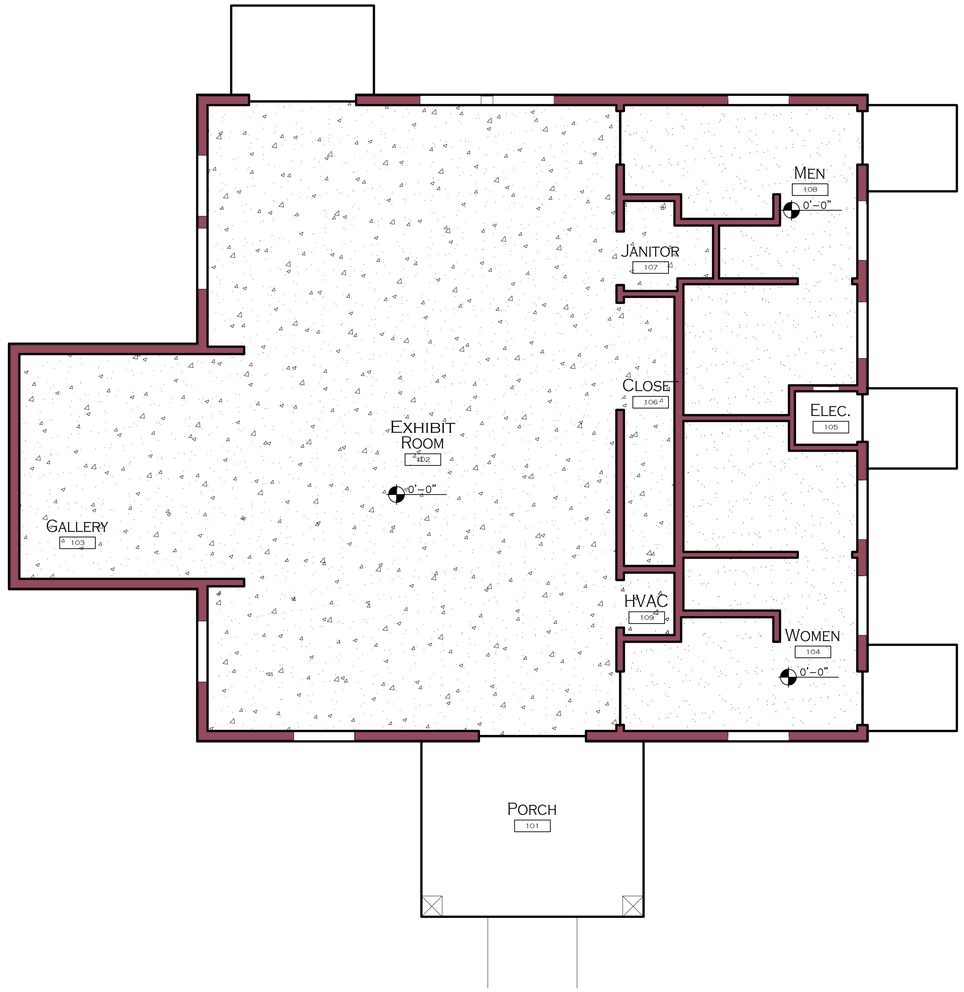
FILE NAME: O:\21011 - Nature Ctr. Bldg. at Kellogg Park\Current\(1) 21011-A-102.dwg LAYOUT NAME: A-102 PLOTTED: Wednesday, October 16, 2024 - 3:13pm USER: Chris

FLOOR FINISH LEGEND

- EPOXY FLOORING – 447; SQ. FT.
- STAINED SEALED CONCRETE – 1,017; SQ. FT.
- 0'–0" — FINISHED FLOOR ELEVATION

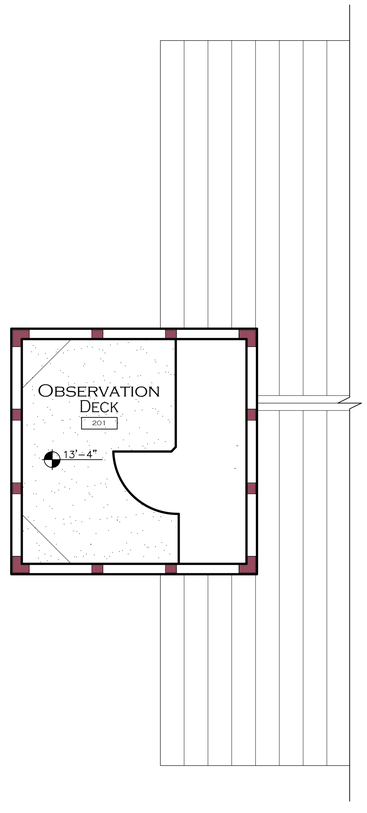


ENTRANCE



1 A-100 FIRST FLOOR - FLOOR FINISH PLAN
SCALE: 1/4" = 1'-0"

N



2 A-100 SECOND FLOOR - FLOOR FINISH PLAN
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204 Cloverdale Boulevard
Fort Walton Beach, Florida 32547
Phone: (850) 664-2220 Fax: (850) 664-6943
FL License #: AR0004611 FL Corp License #: AAC001725

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CHRISTOPHER GOODMASTER
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DRAWN BY: CG | CHECKED BY: CG
APPROVED BY:
REVISIONS:

SHEET TITLE: FLOOR FINISH PLANS

DATE: 8/30/2024 | FILE: 21011

DRAWING NUMBER: A-103

FILE NAME: O:\21011 - Nature Ctr. Bldg. at Kellogg Park\Current\(g) 21011-A-103.dwg LAYOUT NAME: A-103 PLOTTED: Wednesday, October 16, 2024 – 3:14pm USER: Chris

Room Finish Schedule

ROOM NO.	ROOM	FLOOR: SEALED CONCRETE	FLOOR: EPOXY FLOORING (SLIP RESISTANT)	BASE: RUBBER BASE	BASE: NONE	WALLS: MATERIAL: GYPSUM BOARD	WALLS: FINISH: PAINT	CEILING: 1x4 T&G PINE (STAINED)	CEILING: GYPSUM BOARD	CEILING: M.R. GYPSUM BOARD	CEILING: VINYL	CEILING: NONE	HEIGHT	REMARKS
	NORTH WALL ONLY / ALL WALLS													
FIRST FLOOR														
101	PORCH	●			●	●	●					●	9'-4"	
102	MEETING ROOM	●			●	●	●	●					VARIES	
103	GALLERY	●			●	●	●		●				9'-4"	
104	WOMEN'S ROOM		●		●	●	●			●			9'-4"	
105	ELECTRICAL ROOM	●			●	●	●		●				9'-4"	
105	CLOSET	●			●	●	●		●				9'-4"	
105	JANITOR		●		●	●	●			●			9'-4"	
105	MEN'S ROOM		●		●	●	●			●			9'-4"	
105	HVAC	●			●	●	●		●				OPEN	
SECOND FLOOR														
201	GALLERY		●		●	●	●	●					VARIES	

Door Schedule

DOOR NO.	DOOR: SIZE	ELEV.	MAT'L	TYPE	OPENING	FINISH	FRAME: ELEV.	MAT'L	FINISH	HEAD	JAMB	SILL	HARDWARE	REMARKS
1	(2) 3'-0" x 7'-0"	A	FRP	ENTRY / FULL LITE	SWING	PAINT	F1	FRP	PAINT	1/A-1503/A-1505/A-150				
2	(2) 3'-0" x 7'-0"	A	FRP	ENTRY / FULL LITE	SWING	PAINT	F1	FRP	PAINT	1/A-1503/A-1505/A-150				
3	3'-0" x 7'-0"	B	FRP	2 PANEL	SWING	PAINT	F1	FRP	PAINT	6/A-1504/A-1502/A-150				
4	3'-0" x 7'-0"	A	FRP	ENTRY / 2 PANEL	SWING	PAINT	F1	FRP	PAINT	1/A-1503/A-1505/A-150				
5	2'-8" x 7'-0"	A	FRP	ENTRY / 2 PANEL	SWING	PAINT	F1	FRP	PAINT	1/A-1503/A-1505/A-150				
6	(2) 3'-0" x 7'-0"	B	FRP	2 PANEL	SWING	PAINT	F1	FRP	PAINT	6/A-1504/A-1502/A-150				
7	3'-0" x 7'-0"	B	FRP	2 PANEL	SWING	PAINT	F1	FRP	PAINT	6/A-1504/A-1502/A-150				
8	3'-0" x 7'-0"	B	FRP	2 PANEL	SWING	PAINT	F1	FRP	PAINT	6/A-1504/A-1502/A-150				
9	3'-0" x 7'-0"	A	FRP	ENTRY / 2 PANEL	SWING	PAINT	F1	FRP	PAINT	1/A-1503/A-1505/A-150				
10	2'-8" x 7'-0"	B	FRP	2 PANEL	SWING	PAINT	F1	FRP	PAINT	6/A-1504/A-1502/A-150				

Hardware Schedule

HARDWARE MANUFACTURERS:

BUTTS:	OWNER SELECTED
LOCKSETS, LATCHSETS DEADBOLTS, HANDLESETS:	OWNER SELECTED
EXIT DEVICES, CLOSERS:	OWNER SELECTED
WALL STOPS, KICKPLATES, FLUSHBOLTS, ETC.	OWNER SELECTED
THRESHOLDS, WEATHERSTRIPPING,	OWNER SELECTED

KEYING

ALL LOCKSETS TO BE KEYED AS DIRECTED BY OWNER.

HARDWARE SET #1

EACH TO HAVE:

(4)	HINGES	780-210 HAGER
(1)	DEADBOLT	630 HAGER
(1)	CLOSER	LCN 4010T SERIES
(1)	PULL	630 ROCKWOOD
(1)	PUSH	630 ROCKWOOD
(2)	KICK PLATES	630 ROCKWOOD
(1)	DOOR STOP	630 ROCKWOOD
(1)	THRESHOLD	ALUM. HAGER

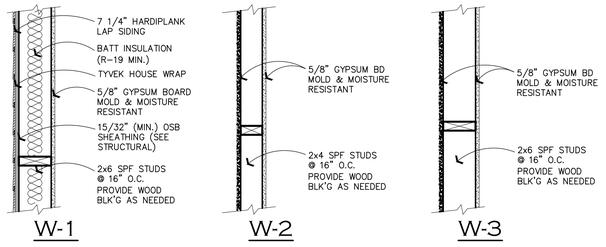
CYLINDERS IN ALL LOCKS BY BEST.

HARDWARE SET #2

EACH TO HAVE:

(4)	HINGES	780-210 HAGER
(1)	SERIES 3600 - #80 STOREROOM FUNCTION	630 HAGER
(1)	CLOSER	LCN 4010T SERIES
(1)	PULL	630 ROCKWOOD
(1)	THRESHOLD	ALUM. HAGER

CYLINDERS IN ALL LOCKS BY BEST.



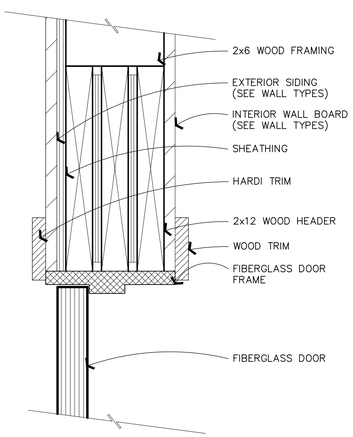
W-1 W-2 W-3

NOTE:

CONTRACTOR TO PROVIDE AND INSTALL 1/8" CLOSED CELL POLYETHYLENE ISOLATION STRIP BETWEEN ALL PRESSURE TREATED WOOD FRAMING AND CONCRETE SURFACES. (TYPICAL) (SILL-SEAL) BY GEORGIA PACIFIC OR APPROVED EQUIVALENT.

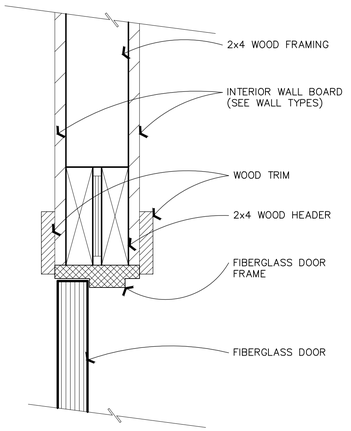
Partition Types

SCALE: NTS



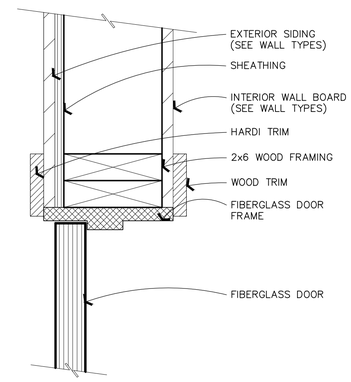
5 / A-150 HEAD DETAIL

SCALE: 3"=1'-0"



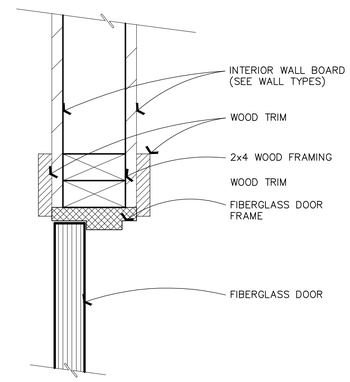
6 / A-150 HEAD DETAIL

SCALE: 3"=1'-0"



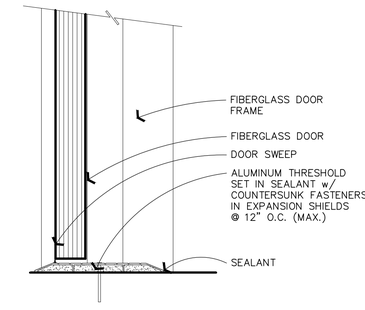
3 / A-150 JAMB DETAIL

SCALE: 3"=1'-0"



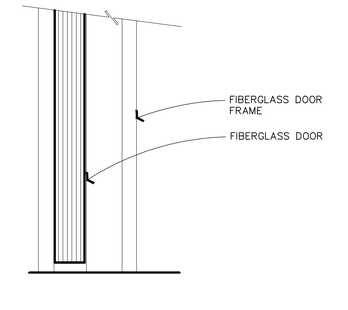
4 / A-150 JAMB DETAIL

SCALE: 3"=1'-0"



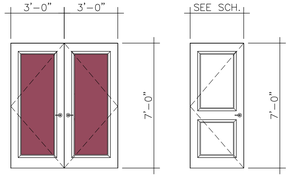
1 / A-150 THRESHOLD DETAIL

SCALE: 3"=1'-0"



2 / A-150 THRESHOLD DETAIL

SCALE: 3"=1'-0"

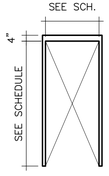


"A" FIBERGLASS FULL LITE

"B" FIBERGLASS 2 PANEL

Door Elevations

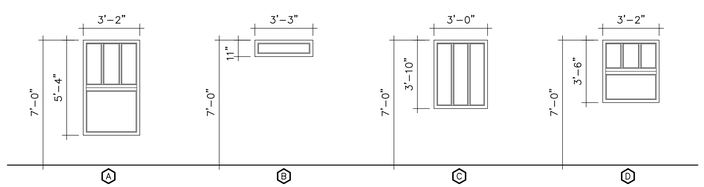
SCALE: 1/4" = 1'-0"



"F1" FRP

Door Frame Elevations

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



Window Elevations

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

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Nature Center at Kellogg Park - Walton County

East Nursery Road
Santa Rosa Beach, Florida 32459

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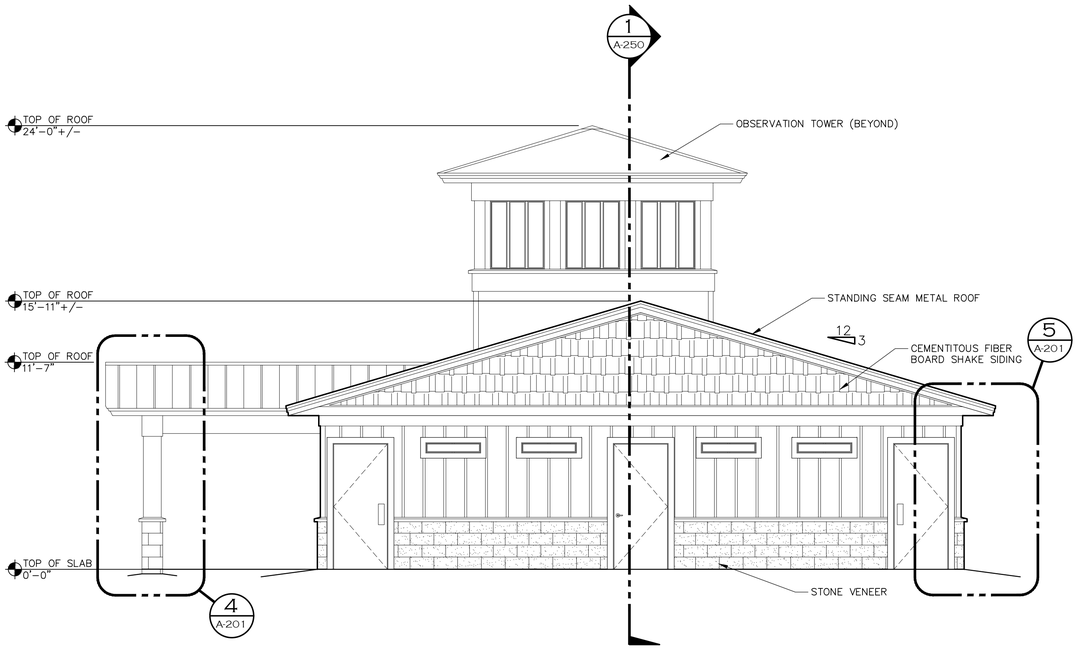
CG	CG
APPROVED BY:	
REVISIONS:	

SHEET TITLE: SCHEDULES / DETAILS

DATE: 8/30/2024 FILE: 21011

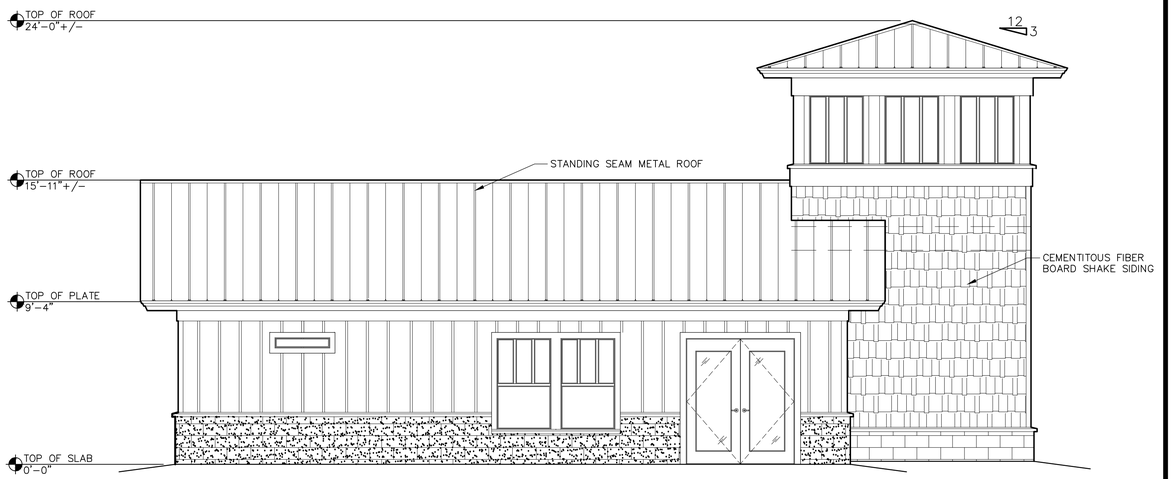
DRAWING NUMBER: A-150

FILE NAME: O:\21011 - Nature Ctr. Bldg. at Kellogg Park\Current\(h) 21011-A-150.dwg LAYOUT NAME: A-150 PLOTTED: Wednesday, October 16, 2024 - 3:14pm USER: Chris



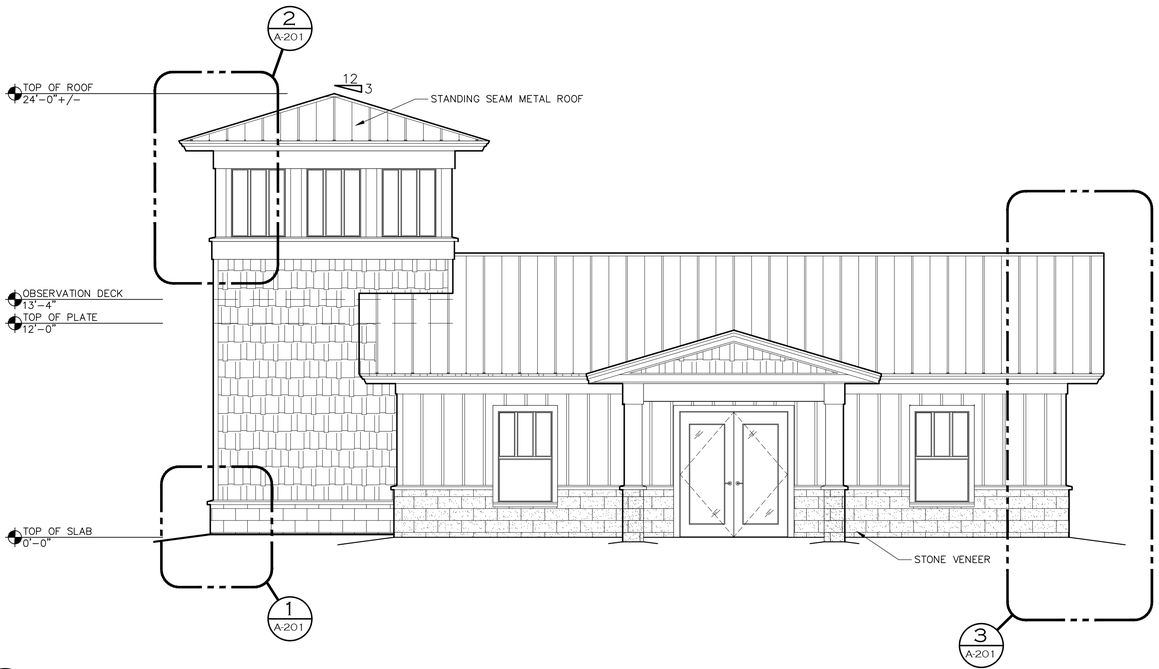
2 A-200 REAR ELEVATION

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



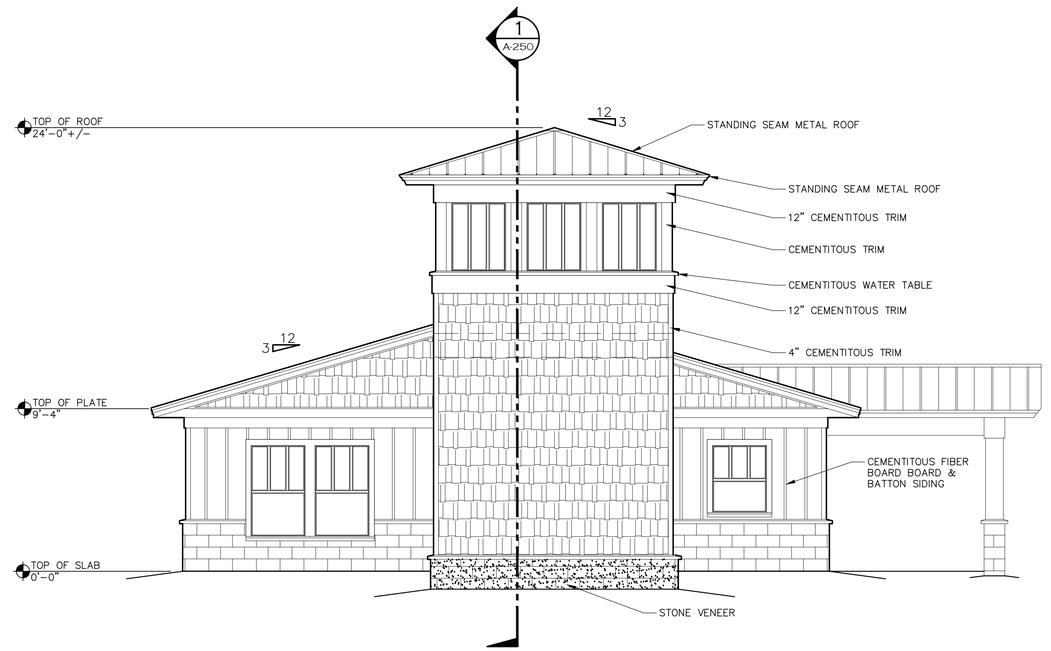
3 A-200 SIDE ELEVATION

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



1 A-200 FRONT ELEVATION

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



3 A-200 SIDE ELEVATION

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

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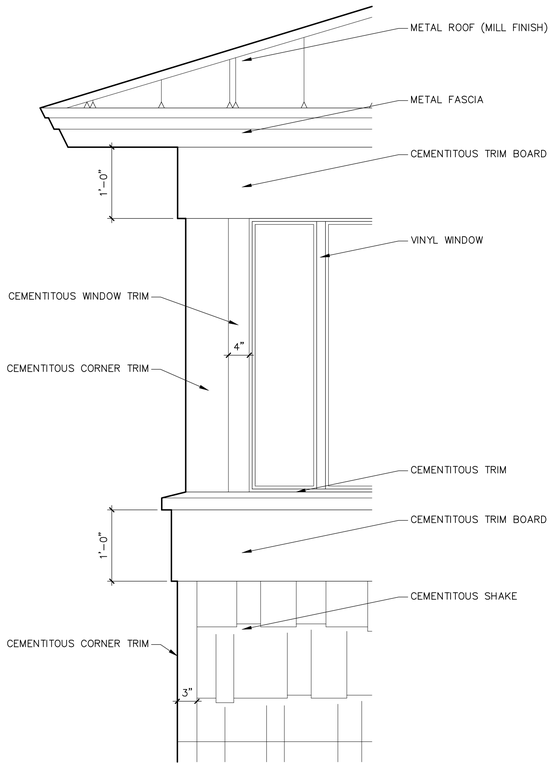
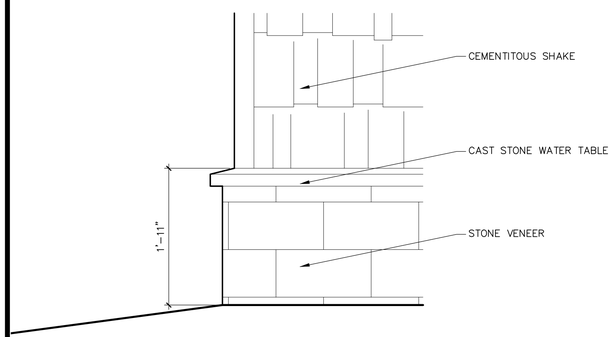
SHEET TITLE: EXTERIOR ELEVATIONS

DATE: 8/30/2024 | FILE: 21011

DRAWING NUMBER: A-200



2 A-201 ENLARGED ELEVATION
SCALE: 1"=1'-0"



1 A-201 ENLARGED ELEVATION
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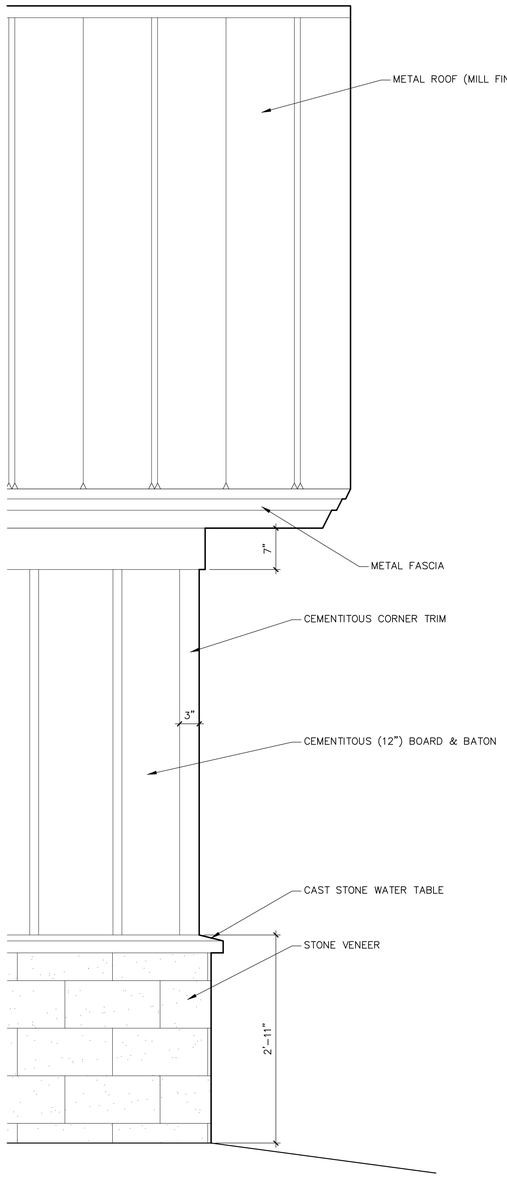

3 A-201 ENLARGED ELEVATION
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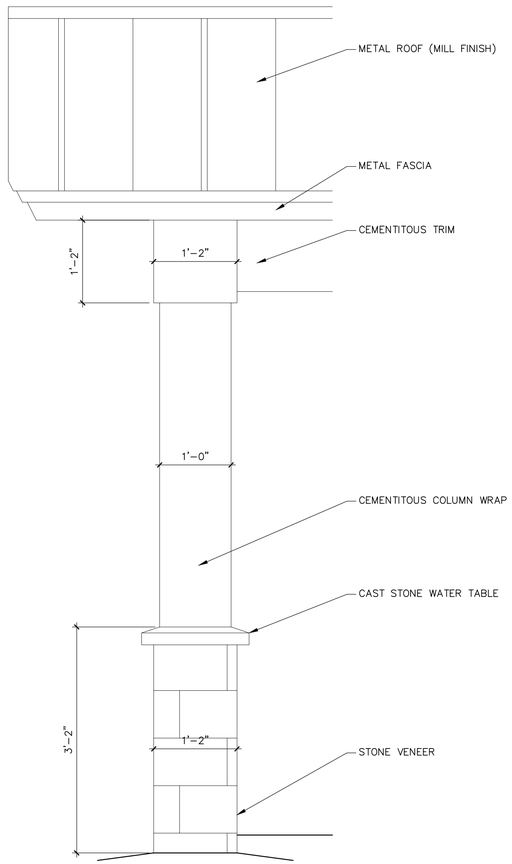
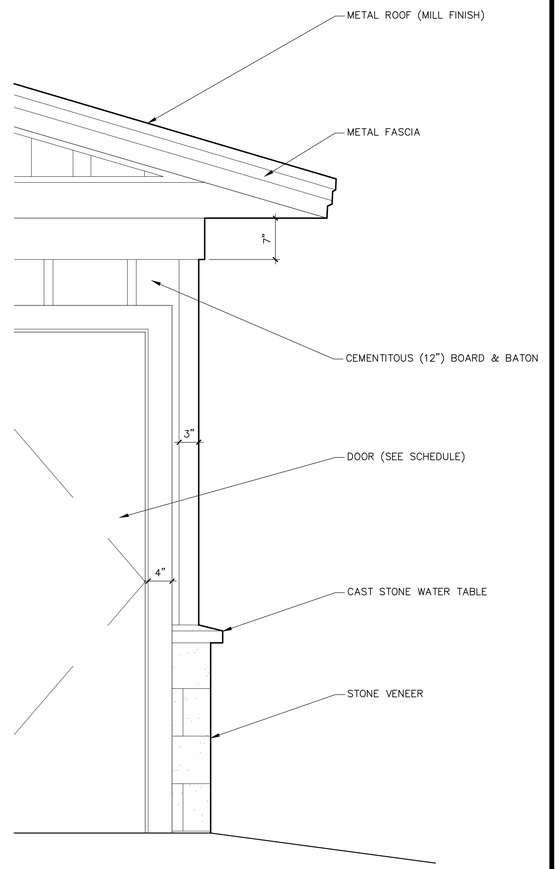


4 A-201 ENLARGED ELEVATION
SCALE: 1"=1'-0"



5 A-201 ENLARGED ELEVATION
SCALE: 1"=1'-0"

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Nature Center at Kellogg Park - Walton County

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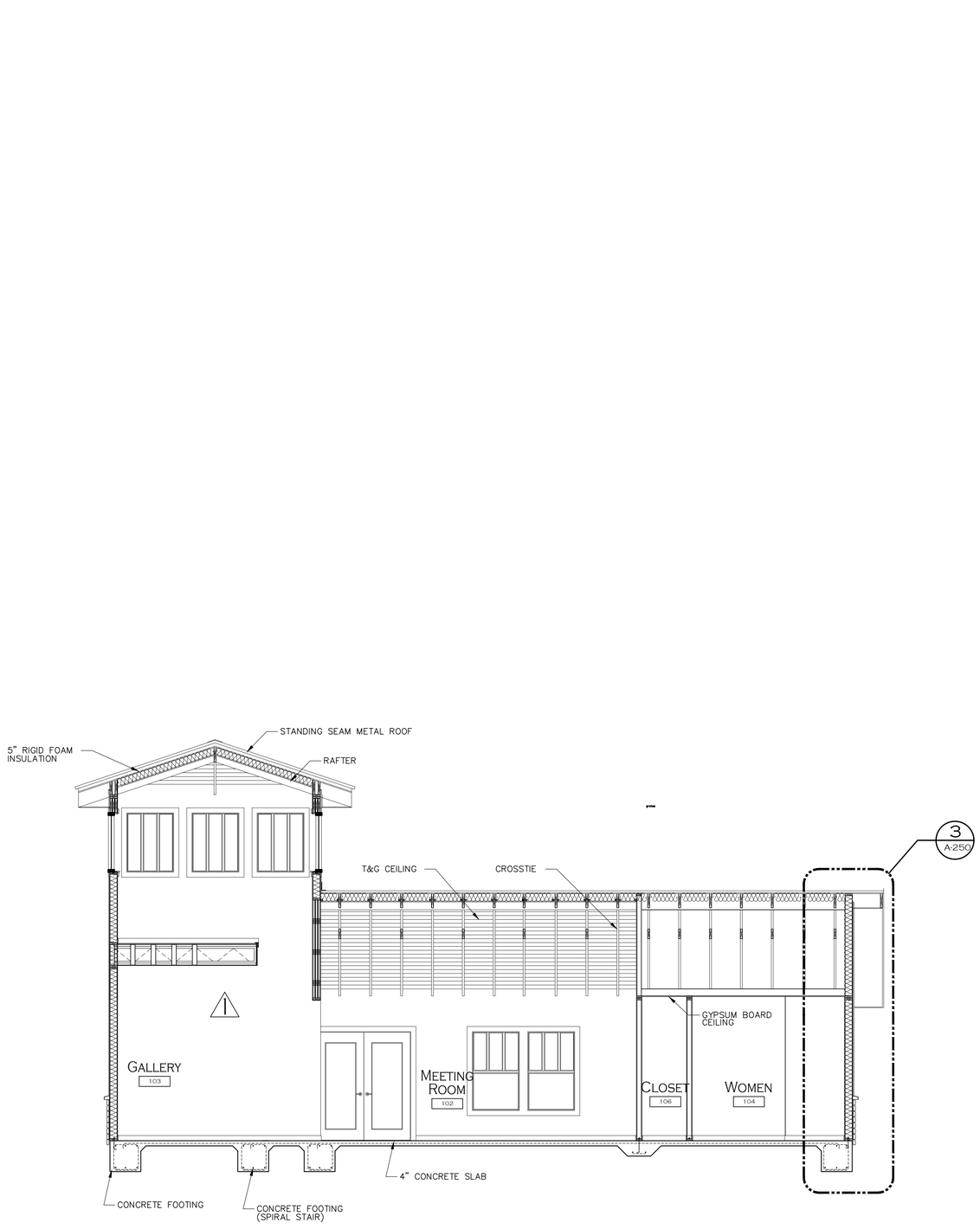
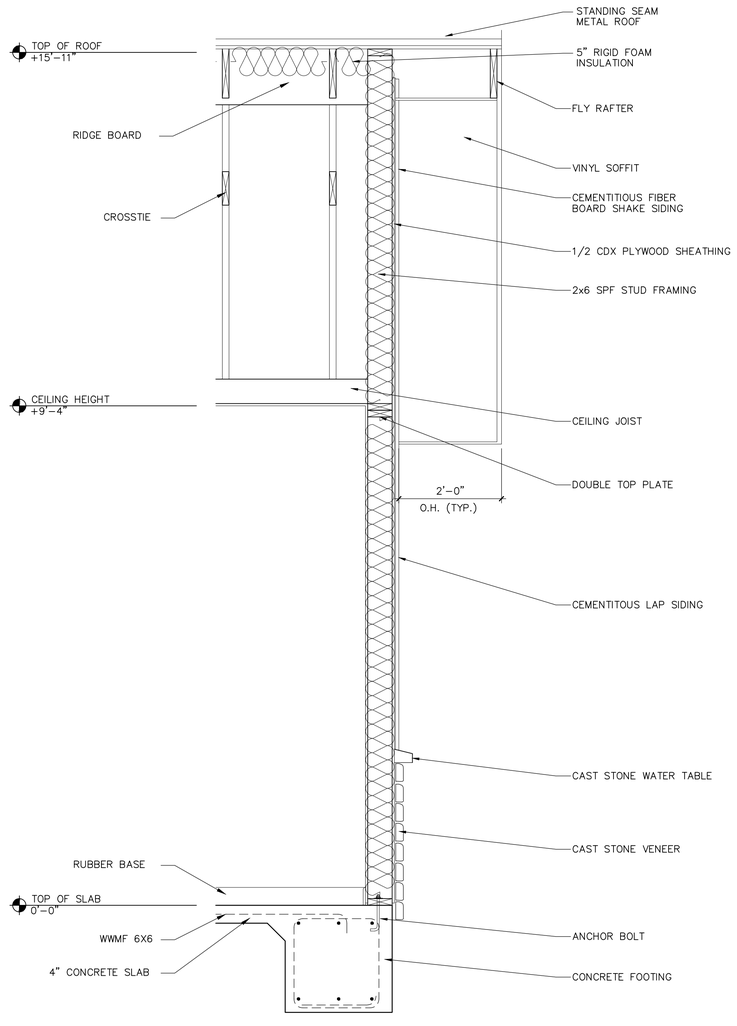
CHECKED BY: CG
APPROVED BY:
REVISIONS:

SHEET TITLE: ENLARGED ELEVATIONS
DATE: 8/30/2024
FILE: 21011
DRAWING NUMBER: A-201



1 A-250 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"



3 A-250 **WALL SECTION**
SCALE: 3/4" = 1'-0"

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Nature Center at Kellogg Park - Walton County

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REVISIONS:
1 REVISION 1 - STAIR REMOVAL 12/23/25

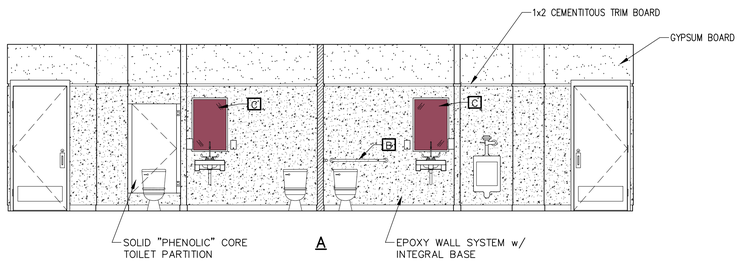
SHEET TITLE:
BUILDING SECTIONS / WALL SECTION

DATE: 8/30/2024 | FILE: 21011

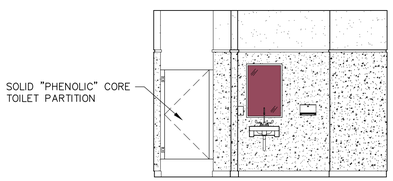
DRAWING NUMBER:
A-250

TOILET ROOM ACCESSORY SCHEDULE

ITEM NO.	DESCRIPTION	MANUFACTURER	MODEL	NOTES
A	GRAB BAR	BOBRICK	B-680636	3'-0" LONG - MOUNT 34" A.F.F. TO LC
B	GRAB BAR	BOBRICK	B-680642	3'-6" LONG - MOUNT 34" A.F.F. TO LC
C	MIRROR	BOBRICK	B-165 2430	WALL MOUNTED - MOUNT 40" A.F.F.
D	not used			
E	BABY CHANGING STATION	KOALA BEAR KARE	KB100	WALL MOUNTED - MOUNT 34" TO TOP OF CHANGING SURFACE A.F.F.
F	HAND DRYER	WORLD DRYER	WA126	WALL MOUNTED - MOUNT 46" A.F.F.
G	TOILET TISSUE DISPENSER	BOBRICK	B-2890	WALL MOUNTED - MOUNT 19" A.F.F.
H	SANITARY NAPKIN DISPOSAL	BOBRICK	B-5270	WALL MOUNTED - MOUNT 19" A.F.F.
I	TRASH RECEPTACLE	BOBRICK	B-5277	WALL MOUNTED - MOUNT 28" A.F.F.
J	MOP / BROOM HOLDER	BOBRICK	B-223	WALL MOUNTED - MOUNT 48" A.F.F.
K	COAT HOOK	BOBRICK	B-212	WALL MOUNTED - MOUNT 48" @ HC STALL, 60" ELSEWHERE A.F.F.
L	SOAP DISPENSER	BOBRICK	818615	WALL MOUNTED - MOUNT 46" A.F.F.



A



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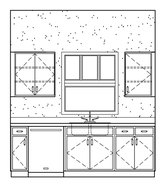

C

1 A-300 WOMEN'S & MEN'S RESTROOM
SCALE: 1/4" = 1'-0"

2 A-300 MEETING ROOM KITCHENETTE
SCALE: 1/4" = 1'-0"

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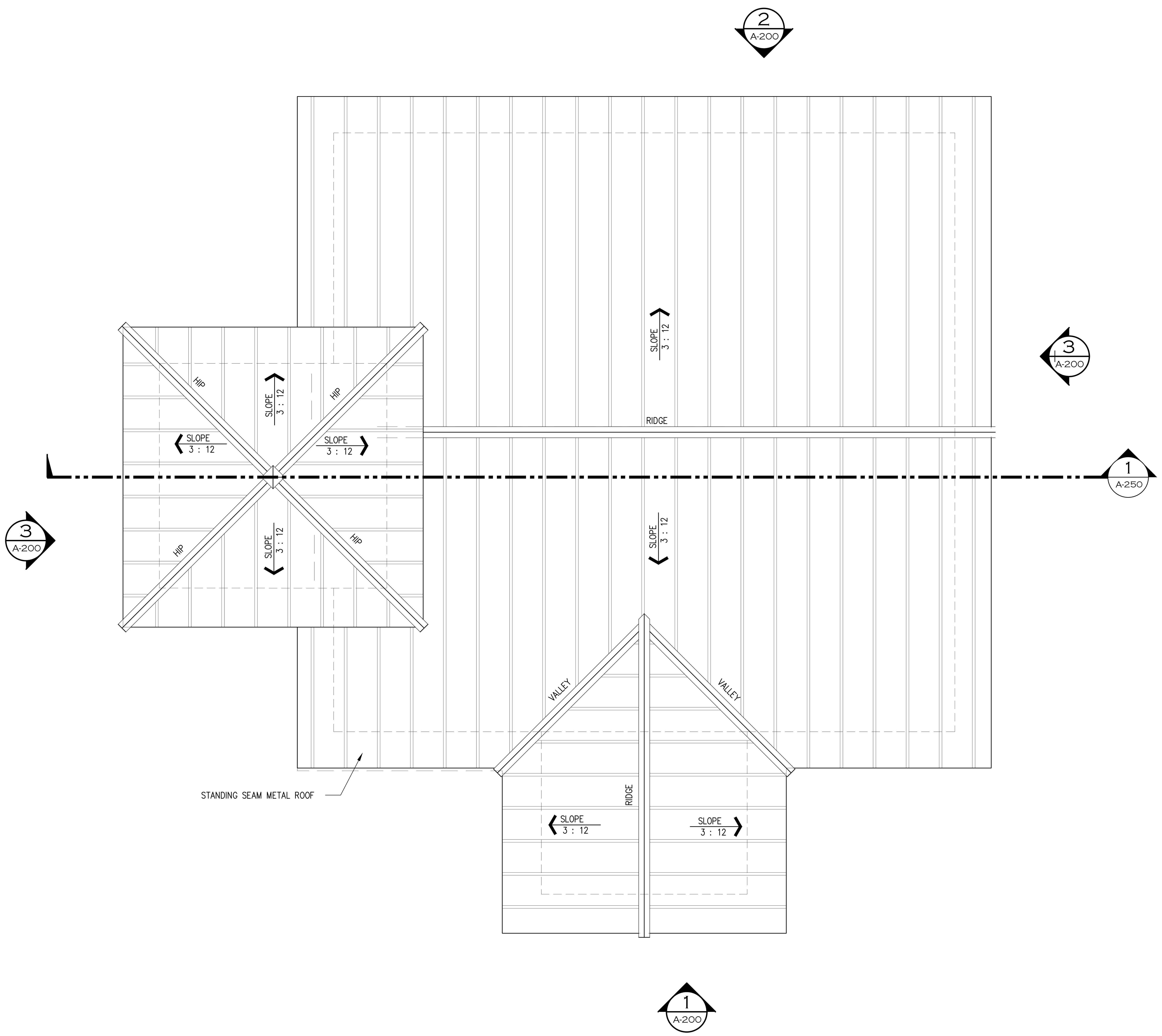
SHEET TITLE: INTERIOR ELEVATIONS

DATE: 8/30/2024 | FILE: 21011

DRAWING NUMBER: A-300

FILE NAME: 0:\21011- Nature Ctr. Bldg. at Kellogg Park\Current\(x) 21011-A-300.dwg LAYOUT NAME: A-300 PLOTTED: Wednesday, October 16, 2024 - 3:17pm USER: Chris



1
A-400

ROOF PLAN

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

N

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REVISIONS:

SHEET TITLE:
ROOF PLAN & DETAILS

DATE: 8/30/2024 FILE: 21011

DRAWING NUMBER:
A-400

FILE NAME: O:\21011– Nature Ctr. Bldg. at Kellogg Park\Current\(0) 21011-A-400.dwg LAYOUT NAME: A-400 PLOTTED: Wednesday, October 16, 2024 – 3:17pm USER: Chris

NOTE:
MEMBRANE PENETRATIONS FOR CABLES, CABLES TRAYS, CONDUITS, PIPES, TUBES, COMBUSTION VENTS AND EXHAUST VENTS, WIRES AND SIMILAR ITEMS TO ACCOMMODATE ELECTRICAL, MECHANICAL, PLUMBING AND COMMUNICATIONS SYSTEMS THAT PASS THROUGH A MEMBRANE OF A WALL, FLOOR, OR FLOOR/CEILING ASSEMBLY CONSTRUCTED AS A FIRE BARRIER SHALL BE PROTECTED BY A FIRE STOP SYSTEM OR DEVICE: TESTED IN ACCORDANCE WITH ASTM E814, UL1479

LIFE SAFETY NOTE:

THIS DRAWING HAS BEEN SOLELY PREPARED FOR INFORMATIONAL PURPOSES ONLY FOR THE STATE, AND LOCAL BUILDING OFFICIALS AND / OR THEIR MEMBERS. AND SHOULD NOT BE CONSIDERED TO BE A PART OF THE INCLUDED SET OF CONTRACT DOCUMENTS.

NOTE: ALL ROUTES ARE 100% ADA ACCESSIBLE

OCCUPANCY LOAD SCHEDULE

ROOM NAME	USE	SQ. FT.	NET SQ. FT. / OCCUPANT	OCCUPANCY
FIRST FLOOR				
EXHIBIT ROOM	-	783 SF	30	27
GALLERY	-	159 SF	30	6
WOMEN'S ROOM	-	177 SF	-	-
ELECTRICAL ROOM	-	11 SF	-	-
CLOSET	-	44 SF	-	-
JANITOR CLOSET	-	21 SF	-	-
MEN'S ROOM	-	171 SF	-	-
HVAC	-	10 SF	-	-
			-	
WALL AREA	-	125 SF	-	-
SECOND FLOOR (INACCESSIBLE)				
OBSERVATION DECK	-	100 SF	-	-
WALL AREA	-	30 SF	-	-
TOTAL	BUSINESS	1,631 SF	-	33 OCC.

LEGEND

INDICATES EXISTING 1 HR. ENCLOSURE
SEE PLANS FOR CONSTRUCTION DETAILS.
ALL PENETRATIONS & OPENINGS SHALL BE FIRE SEALED.

- FIRE EXTINGUISHER – WALL MOUNTED TYPE "ABC" WITH SIGN
- EXIT/EMERGENCY LIGHT
- LIGHT w/ EMERGENCY BATTERY BACK-UP
- EXIT TRAVEL DISTANCE
- PRIMARY EXIT

CODE:

2023 FLORIDA BUILDING CODE

2023 FLORIDA FIRE PREVENTION CODE

LOCATION: SANTA ROSA BEACH, FLORIDA 32549

OCCUPANCY: BUISNESS GROUP - B (FBC SECTION 303.1.1 - ASSEMBLY w/ LESS THAN 50 OCCUPANTS)

CONSTRUCTION TYPE:
TYPE V B - UNPROTECTED - UNSPRINKLERED (FBC TABLE 601)

BUILDING AREA AND HEIGHT:
EXISTING BUILDING HEIGHT: 24'-0"±
PROPOSED AREA: 1,631 SQ. FT. TOTAL

OCCUPANT LOAD:
OCCUPANT LOAD: EXHIBIT GALLERY 30/GROSS (FBC TABLE 1004.1.1)

TOTAL OCCUPANT LOAD PROPOSED = 37 PERSONS

ACCESSIBLE MEANS OF EGRESS REQUIRED = 1 REQUIRED

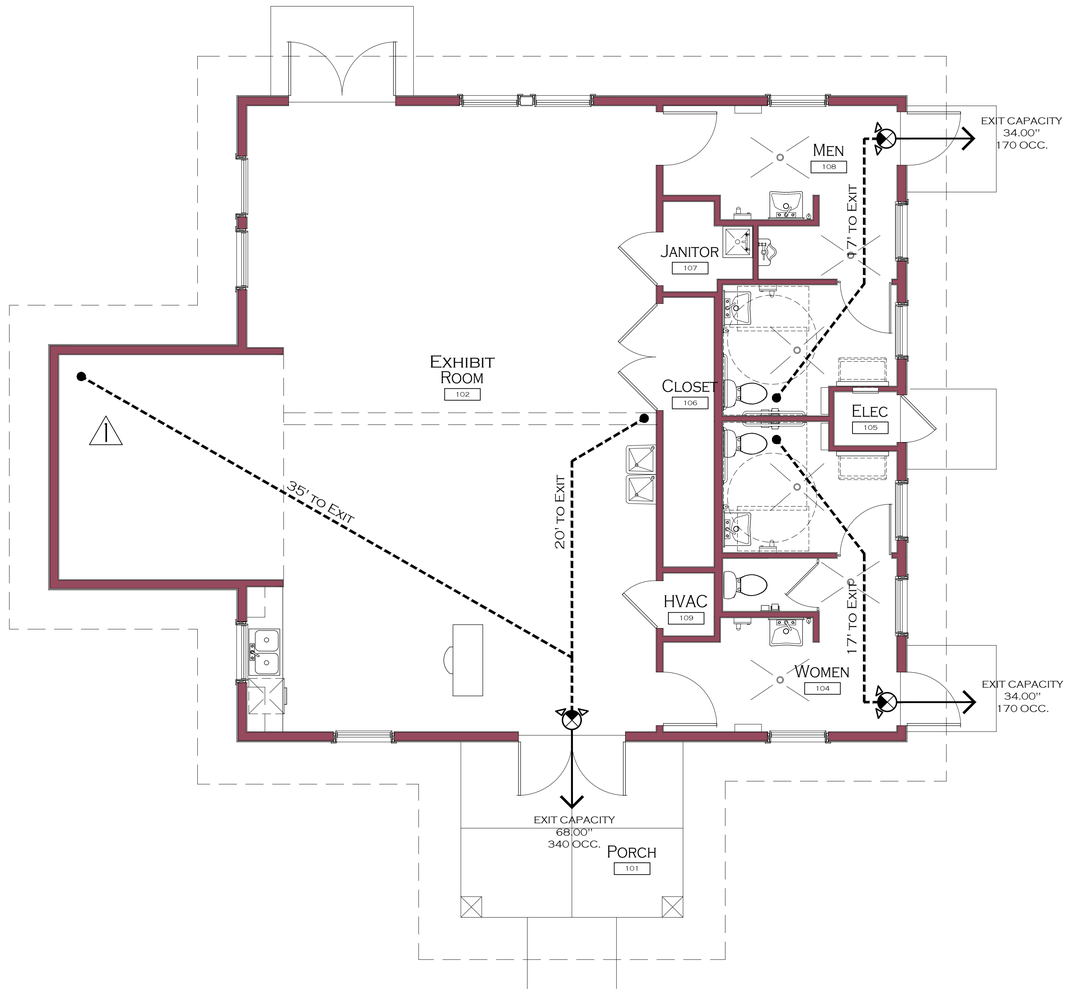
ACCESSIBLE MEANS OF EGRESS PROVIDED = 2 PROVIDED

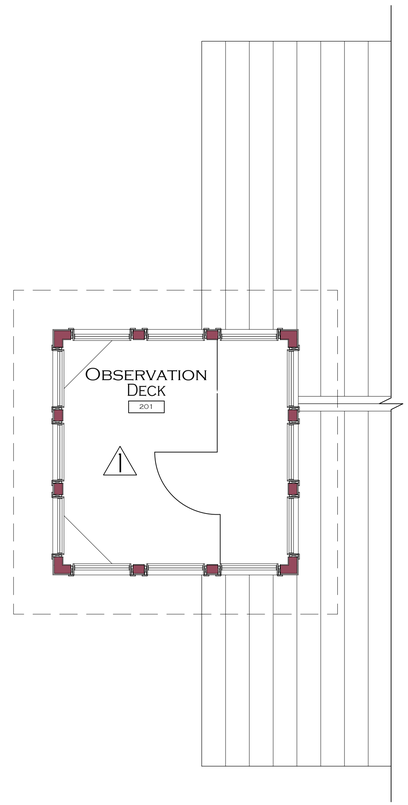
MINIMUM EGRESS WIDTH REQUIRED = 34" (1 * 34" MIN.)

EGRESS WIDTH PROVIDED = 136" (2 DOORS * 34" + 1 * 68")

TRAVEL DISTANCE, DEAD-END LENGTH, EXIT AND MEANS OF EGRESS WIDTHS
MAXIMUM TRAVEL DIST. TO EXIT.....75 FEET
MAXIMUM TRAVEL DIST. TO PROVIDED EXIT.....48 FEET +/-

MINIMUM CORRIDOR WIDTH ALLOWED.....36 INCHES
MINIMUM CORRIDOR WIDTH PROVIDED.....60 INCHES





1 LS-100 LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

N

100 % PERMIT DRAWINGS

Stokes Architectural Inc.

Stokes Architectural, Inc.
Architecture • Master Planning • Interior Design
204 Cloverdale Boulevard
Fort Walton Beach, Florida 32547
Phone: (850) 664-2220 Fax: (850) 664-6943
FL Corp License # AAC001725

PROFESSIONAL SEAL
STATE OF FLORIDA
CHRISTOPHER GOODMASTER
AR96630
REGISTERED ARCHITECT
AR0096630

Nature Center at Kellogg Park - Walton County

East Nursery Road
Santa Rosa Beach, Florida 32459

DRAWN BY: CG | CHECKED BY: CG
APPROVED BY:
REVISIONS:
1 REVISION 1 - STAIR REMOVAL 12/23/25
SHEET TITLE: FLOOR PLAN
DATE: 8/30/2024 | FILE: 21011
DRAWING NUMBER: LS-100

FILE NAME: O:\21011- Nature Ctr. Bldg. at Kellogg Park\Current\(1) 21011-LS-100.dwg LAYOUT NAME: LS-100 PLOTTED: Tuesday, December 23, 2025 - 10:03am USER: Chris

TABLE OF CONTENTS

END OF TABLE OF CONTENTS

SECTION 007200 - GENERAL CONDITIONS

1.1 GENERAL CONDITIONS

A. The "General Conditions of the Contract for Construction," American Institute of Architects AIA Document A201-2017, are an integral part of the Drawings and Specifications as if written in full herein.

B. Copies of AIA Document A201-2017 may be examined in the office of the Architect, or may be purchased directly from the American Institute of Architects.

C. The Contractor is hereby directed, as a condition of AIA Document A201-2017, to obtain this document and become acquainted with the Articles contained therein, including the duties and responsibilities for the Contractor's Subcontractors, Suppliers, and any other entities for which the Contractor has a contractual agreement for the Work of this Project.

D. Supplementary Conditions (Florida Product Approvals):

1. The Project requires Florida Product Approval for products or systems within the scope of Work that comply with Rule 9B-72.070 of the Florida Administrative Code and have been evaluated pursuant to Rule 9B-72.070 as acceptable.
2. Furnish to Architect two copies of acceptable documentation, including the Florida Product Approval Number, for each product or system requiring compliance.
3. Each Florida Product Approval is subject to the Project geographical location for wind uplift resistance and windborne debris impact resistance required for the building envelope and structural frame, pursuant to The Florida Building Code (FBC), current edition in force. Such approvals include, but are not limited to, the following for this Project:
   - a. Panel Walls: Siding.
   - b. Exterior Door Assemblies.
   - c. Exterior Window Assemblies.
   - d. Metal Roof Panels: Includes underlayment.
   - e. Structural Components.
4. Products specifically addressed in the FBC through performance criteria and standard test methods or standard comparative or rational analysis methods, which cannot be approved through the established plan review and inspection process, shall demonstrate compliance with the FBC as outlined in F.A.C. 9B-72.070 "Product Evaluation and Quality Assurance for State Approval.

END OF SECTION 007200

SECTION 033616 - REACTIVE CHEMICAL CONCRETE STAIN

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Chemically stained concrete floor finish.
2. Sealer.

1.2 SUBMITTALS

A. Product Data: Manufacturer's technical data, including Safety Data Sheet (SDS) and installation instructions, for each product specified.

1.3 QUALITY ASSURANCE

A. Concrete Stain Mockups:

1. Construct a 10 foot by 10 foot mockup at location selected by Architect.
2. Construct mockup using materials, processes, and techniques required for the work, including curing procedures.
3. Mockup to be stained and sealed by the Installer who will actually perform the work for the Project.
4. Obtain the Architect's acceptance of mockup prior to commencement of the work.
5. Approved mockup may become part of the completed Work if undisturbed at time of Substantial Completion.

1.4 DELIVERY, STORAGE, AND HANDLING

A. General: Comply with manufacturer's written instructions for delivery, storage, and handling.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Basis of Design Manufacturer: Sika Corporation. Equivalent products by Increte or Davis Colors also acceptable.

B. Reactive Chemical Concrete Stain: Reactive, water-based solution of metallic salts which react with calcium hydroxide in cured concrete substrates to produce permanent variegated or translucent color effects. Zero VOC content.

1. Product: "Scofield "LITHOCHROME Chemstain Classic"; Sika Corporation.
2. Color: As scheduled or selected by Architect.

C. Waterborne Sealer: Low VOC waterborne modified acrylic formulation. Complies with ASTM C309. VOC content less than 100 g/L.

1. Product: "Scofield "SCOFIELD Cureseal-W"; Sika Corporation.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Interior Applications: Concrete substrates must have a moisture vapor emission rate of less than 5 lbs./1000 sq. ft. per 24 hour based on a 72 hour test period according to ASTM F 1869.

3.2 PREPARATION

A. New Concrete: Comply with the following:

1. Newly placed concrete to sufficiently cure for concrete to become reactive. Minimum cure time is 14 days.
2. Interior Applications: Minimum cure time of concrete is 30 to 60 days, or longer if necessary to meet the specified water vapor transmission requirements.
3. Do not use liquid curing materials. Cure concrete flatwork with new, unwrinkled, non-staining, high quality curing paper complying with ASTM C171. Do not overlap curing paper.
4. Cure surfaces using the same method and different sections (pours) chemically stained when concrete is the same age.
5. Immediately prior to chemically staining, thoroughly clean concrete to remove any contaminants deleterious to subsequent chemical stain application. Sweep surfaces, then pressure wash or scrub using a rotary floor machine. Use suitable, high quality commercial detergents to facilitate cleaning. Rinse surfaces after cleaning until rinse water is completely clean. Allow floor to dry completely prior to application of concrete stain.
   - a. Pressure Washing: Use a pressure washer equipped with a fan tip and rated for a minimum pressure capability of 2000 psi.

3.3 CHEMICAL STAIN APPLICATION

A. General: Comply with chemical stain manufacturer's printed instructions and current recommendations.

1. Do not mix the specified chemical stain with highly alkaline chemical stain materials. Doing so will result in a dangerous chemical reaction.

B. Protect surrounding areas and adjacent surfaces from overspray, runoff, and tracking. Divide surfaces into small work sections using walls, joint lines, or other stationary breaks as natural stopping points.

C. Apply chemical stains full strength (undiluted) at the coverage rate recommended by the manufacturer and use application equipment according to the chemical stain manufacturer's printed instructions. Note the color of the liquid chemical stain will not be the final color produced on the concrete substrate.

D. Chemical stains normally fizz when reacting with the concrete. If fizzing does not occur, the substrate has not been adequately prepared or the concrete pH level is too low. If this should occur, contact the chemical stain manufacturer for additional recommendations.

E. Transfer chemical stain to the substrate by brush or spray and immediate scrub into surface. Reaction time depends on wind conditions, temperatures, and humidity levels.

F. When multiple coats of one or more colors are required, washing and drying between colors is desirable to evaluate the color prior to the next coat.

G. Rinsing: After the final coat of chemical stain has remained on the surface for a minimum of four hours, neutralize unreacted chemical stain residue and then remove completely prior to sealing. After neutralization, thoroughly rinse surface with clean water several times to remove soluble salts. While rinsing, lightly abrade surface using a low-speed floor machine to remove residue and weakened surface material. Runoff may stain the adjacent areas or harm plants. Collect rinse water by wet vacuuming or absorbing with an inert material.

1. Failure to completely remove all residue prior to sealing the surface will cause appearance defects, adhesion loss or peeling, reduced durability, and possible bonding failure and delamination of sealer.
2. All stain residue, runoff liquid, and rinse water must be collected and disposed of according to applicable Federal regulations and governing authorities having jurisdiction.

3.4 SEALING APPLICATION

A. Concrete substrate must be completely dry. Test surface for proper pH prior to applying sealer. A pH value of 7 or higher indicates all acid has been neutralized. If the tested pH value is less than 7, repeat neutralization step until the required pH value is achieved.

B. Apply sealer according the sealer manufacturer's printed instructions at a rate of 300 to 500 square feet per gallon per coat. Maintain a wet edge at all times.

C. Allow sealer to completely dry before applying additional coats.

D. Apply second coat of sealer at 90 degrees to the direction of the first coat using the same application method and rates.

E. Seal horizontal joints in areas subject to pedestrian traffic.

3.5 PROTECTION

A. Protect floor from traffic for at least 72 hours after final application of sealer.

END OF SECTION 033616

SECTION 047200 - ADHERED CAST STONE MASONRY

Summary: Cast stone masonry watertables and sills.

Mockups: Build mockups to demonstrate aesthetic effects and set quality standards for materials and execution. Size and location directed by Architect.

Product: As selected by Architect.

Cast Stone Materials:

1. General: Comply with ASTM C1364.
2. Portland Cement: ASTM C150, Type I.
3. Coarse Aggregates: ASTM C33.
4. Fine Aggregates: ASTM C33.
5. Color Pigment: ASTM C79.

Cast Stone Units: Comply with ASTM C 1364.

1. Curing: Comply with Cast Stone Institute recommendations.

Mortar Materials:

1. Portland Cement: ASTM C150, Type I or II. Natural color.
2. Hydrated Lime: ASTM C207, Type S.
3. Aggregate: ASTM C144.
4. Latex Additive: Manufacturer's standard water emulsion.
5. Water: Potable.

Mortar Mixes: Comply with ASTM C270, Proportion Specification. Type N for setting and pointing.

Joint Widths: 3/8 inch.

Tolerances: Comply with Cast Stone Institute requirements.

Joint Profile: Concave and as acceptable on mockups.

END OF SECTION 047200

SECTION 055000 - METAL FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Miscellaneous steel framing and supports.

1.2 SUBMITTALS

A. Product Data: For paint products.

B. Shop Drawings: Show fabrication and installation details for metal fabrications. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items.

PART 2 - PRODUCTS

2.1 METALS, GENERAL

A. Metal Surfaces, General: Provide materials with smooth, flat surfaces without blemishes.

2.2 FERROUS METALS

A. Steel Plates, Shapes, and Bars: ASTM A36/A36M.

2.3 FASTENERS

A. General: Unless otherwise indicated, provide Type 304 stainless-steel fasteners for exterior use and zinc-plated fasteners with coating complying with ASTM B633 or ASTM F1941, Class Fe/Zn 5, at exterior walls.

B. Post-Installed Anchors: Torque-controlled expansion anchors.

1. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B633 or ASTM F941, Class Fe/Zn 5.
2. Material for Exterior Locations and Where Stainless Steel is Indicated: Alloy Group 1 stainless-steel bolts, ASTM F593, and nuts, ASTM F594.

2.4 MISCELLANEOUS MATERIALS

A. Universal Shop Primer: Fast-curing, lead- and chromate-free, universal modified-alkyd primer and compatible with topcoat.

B. Galvanizing Repair Paint: High-zinc-dust-content paint complying with SSPC-Paint 20 and compatible with paints specified to be used over it.

C. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187.

2.5 FABRICATION, GENERAL

A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Use connections that maintain structural value of joined pieces.

B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges. Remove sharp or rough areas on exposed surfaces.

C. Weld corners and seams continuously to comply with the following:

1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
2. Obtain fusion without undercut or overlap.
3. Remove welding flux immediately.
4. At exposed connections, finish exposed welds and surfaces smooth and blended.

D. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners or welds where possible. Locate joints where least conspicuous.

2.6 MISCELLANEOUS FRAMING AND SUPPORTS

A. General: Provide steel framing and supports not specified in other Sections as needed to complete the Work.

B. Fabricate units from steel shapes, plates, and bars of welded construction unless otherwise indicated. Fabricate to sizes, shapes, and profiles indicated and as necessary to receive adjacent construction.

2.7 FINISHES

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Finish metal fabrications after assembly.

C. Galvanizing: Hot-dip galvanize items as indicated to comply with ASTM A153/A153M for steel and iron hardware and with ASTM A123/A123M for other steel and iron products.

D. Shop prime iron and steel items.

1. Shop prime with universal shop primer.

E. Preparation for Shop Priming: Prepare surfaces to comply with SSPC-SP 7, "Brush-off Blast Cleaning."

F. Shop Priming: Apply shop primer to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack; and measured from established lines and levels.

B. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.

C. Field Welding: Comply with the following requirements:

1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
2. Obtain fusion without undercut or overlap.
3. Remove welding flux immediately.
4. At exposed connections, finish exposed welds and surfaces smooth and blended.

D. Fastening to In-Place Construction: Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction.

3.2 ADJUSTING AND CLEANING

A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with the same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.

B. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A780.

END OF SECTION 055000

SECTION 057113 - FABRICATED METAL SPIRAL STAIRS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes fabricated spiral stairs with steel central-supporting columns and radiating treads.

B. Allowance: Provide a $25,000.00 allowance for spiral stairs.

1.2 PERFORMANCE REQUIREMENTS

A. Delegated Design: Design fabricated spiral stairs, including comprehensive engineering analysis by a qualified professional engineer licensed in the State of Florida, using performance requirements and design criteria indicated.

B. Structural Performance of Stairs: Fabricated spiral stairs shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to SEI/ASCE 7:

1. Uniform Load: 100 lbf/sq. ft.
2. Concentrated Load: 300 lbf applied on an area of 4 sq. in.
3. Uniform and concentrated loads need not be assumed to act concurrently.
4. Railing Loads: Stairs shall withstand stresses resulting from railing loads in addition to loads specified above.

C. Structural Performance of Railings: Railings shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to SEI/ASCE 7:

1. Handrails:
   - a. Uniform load of 50 lbf/ft. applied in any direction.
   - b. Concentrated load of 200 lbf applied in any direction.
   - c. Uniform and concentrated loads need not be assumed to act concurrently.
2. Top Rails of Guards:
   - a. Uniform load of 50 lbf/ft. applied in any direction.
   - b. Concentrated load of 200 lbf applied in any direction.
   - c. Uniform and concentrated loads need not be assumed to act concurrently.
3. Infill of Guards:
   - a. Concentrated load of 50 lbf applied horizontally on an area of 1 sq. ft.
   - b. Uniform load of 25 lbf/sq. ft. applied horizontally.
   - c. Infill load and other loads need not be assumed to act concurrently.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Include details and attachments to other work.

C. Delegated-Design Submittal: For fabricated spiral stairs indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

D. Welding certificates.

1.4 QUALITY ASSURANCE

A. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1/D1.1M, "Structural Welding Code - Steel."

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Provide products by one of the following:

1. Duvinage Corporation.
2. Mylen Stairs.
3. Pisor Industries, Inc.
4. Salter Industries.
5. Spiral Stairs of America.

2.2 MATERIALS

A. Brackets, Flanges, and Anchors: Same metal and finish as supported item unless otherwise indicated.

B. Steel Plates, Shapes, and Bars: ASTM A36/A36M.

C. Steel Pipe Columns: ASTM A53/A53M, Schedule 40. Provide Schedule 80 for columns larger than NPS 4 and where required to support loads.

D. Steel Pipe Railings: ASTM A53/A53M, Schedule 40.

E. Steel Tubing: Either cold-formed steel tubing complying with ASTM A500 or mandrel-drawn mechanical tubing complying with ASTM A513, Type 5.

2.3 MISCELLANEOUS MATERIALS

A. Fasteners: For connecting stair components and for anchoring stairs to other construction, select fasteners of the type, grade, and class required to produce connections capable of withstanding design loadings.

1. For steel and cast iron, use plated steel fasteners complying with ASTM B633, Class Fe/Zn 25 for electrodeposited zinc coating.

B. Shop Primer for Ferrous Metal: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with MPI#79 and compatible with finish paint systems indicated.

2.4 FABRICATION

A. Fabricate connections that will be exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.

B. Welded Connections: Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.

1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
2. At exposed connections, finish exposed surfaces smooth and blended so no roughness shows after finishing and, except for fillet welds, welded surface matches contours of adjoining surfaces.

C. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Where exposed fasteners are required, use Phillips flat-head (countersunk) screws or bolts unless otherwise indicated. Locate joints where least conspicuous.

D. Fabricate center column from steel pipe welded to baseplate for anchorage to floor structure. Brace column at upper floors by means of landings attached to column and floor structure unless otherwise indicated. Provide cap for column if top is exposed.

E. Provide steel-framed treads welded to hubs or center column and without legs; wearing surface as follows:

1. Smooth steel plate with integral abrasive.

F. Railings: Provide railing system indicated, uniformly bent to spiral shape, and continuing at top to form guardrail around floor opening.

2.5 STEEL AND IRON FINISHES

A. Preparation for Shop Priming: After galvanizing, thoroughly clean railings of grease, dirt, oil, flux, and other foreign matter, and treat with metallic phosphate process.

B. Preparation for Shop Priming: Prepare uncoated ferrous-metal surfaces to comply with minimum requirements indicated below for SSPC's surface-preparation specifications and environmental exposure conditions of installed stairs:

1. Interiors (SSPC Zone 1A): SSPC-SP 7/NACE No. 4, "Brush-off Blast Cleaning."

C. Apply shop primer to prepared surfaces of handrails and railing components unless otherwise indicated. Comply with requirements in SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Fastening to In-Place Construction: Provide anchorage devices and fasteners where needed for securing fabricated spiral stairs to in-place construction; include threaded fasteners for concrete and masonry inserts, through bolts, lag bolts, wood screws, and other connectors as required.

B. Install fabricated spiral stairs accurately in location, alignment, and elevation; level and plumb; and according to manufacturer's written instructions.

C. Install fabricated spiral stairs by welding to steel structure or to weld plates cast into concrete unless otherwise indicated.

D. Field Welding: Comply with requirements for welded connections in "Fabrication" Article.

3.2 CLEANING AND PROTECTION

A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint and paint exposed areas with same material.

END OF SECTION 057113

SECTION 061000 - ROUGH CARPENTRY

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Framing with dimension lumber.
2. Wood blocking and nailers.
3. Plywood backing panels.

B. Submittals:

1. Shop Drawings: For site-fabricated items. Indicate dimensions, wood species, and grades, component profiles, drilled holes, fasteners, connectors, details, and sequence of erection. Include provisions to resist Project wind force pressures.

C. Storage: Stack lumber flat with spacers beneath and between each bundle to provide air circulation. Protect lumber from weather by covering with waterproof sheeting, securely anchored. Provide for air circulation around stacks and under coverings.

PART 2 - PRODUCTS

2.1 WOOD PRODUCTS, GENERAL

A. Lumber: DOC PS 20 and applicable rules of grading agencies indicated.

1. Factory mark each piece of lumber with grade stamp of grading agency.

B. Maximum Moisture Content of Lumber: 19 percent.

2.2 WOOD-PRESERVATIVE-TREATED MATERIALS

A. Preservative Treatment by Pressure Process: AWPA U1; Use Category UC3b for exterior construction not in contact with the ground.

1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.

B. Kiln-dry lumber after treatment to a maximum moisture content of 19 percent. Do not use material that is warped or does not comply with requirements for untreated material.

C. Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.

D. Application: Treat all miscellaneous carpentry unless otherwise indicated.

2.3 FIRE-RETARDANT-TREATED MATERIALS

A. Fire-Retardant-Treated Plywood by Pressure Process: Maximum 25 FSI per ASTM E84. Interior Type A per ASTM D3201. Kiln-dry after treatment to 15 percent maximum moisture content.

B. Identify fire-retardant-treated wood with appropriate classification marking of testing and inspecting agency acceptable to authorities having jurisdiction.

2.4 DIMENSION LUMBER FRAMING

A. Non-Load-Bearing Interior Partitions: Construction or No. 2 grade of southern pine per SPIB grading rules.

B. Other Framing: Construction or No. 2 grade of southern pine per SPIB grading rules.

2.5 MISCELLANEOUS LUMBER

A. General: Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:

1. Blocking.
2. Nailers.

B. Dimension Lumber Items: Construction or No. 2 grade of southern pine per SPIB grading rules.

2.6 PLYWOOD BACKING PANELS

A. Equipment Backing Panels: DOC PS 1, Exterior, AC, fire-retardant treated in 3/4 inch nominal thickness.

2.7 FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture. Provide fasteners with hot-dip zinc coating complying with ASTM A153/A153M.

B. Nails, Staples, Brads: ASTM F1667.

C. Screws for Fastening to Metal Framing: ASTM C954, length as recommended by screw manufacturer for material being fastened.

2.8 METAL FRAMING ANCHORS

A. Basis of Design Manufacturer: Simpson Strong-Tie. MiTek also acceptable.

B. Galvanized-Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A 653/A 653M, G60 coating designation.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Set carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit carpentry to other construction; scribe and cope as needed for accurate fit.

B. Framing Standard: Comply with AF&PA's WCD 1, "Details for Conventional Wood Frame Construction," unless otherwise indicated.

C. Install plywood backing panels by fastening to studs; coordinate locations with utilities requiring backing panels. Install fire-retardant-treated plywood backing panels with classification marking of testing agency exposed to view.

D. Install metal framing anchors to comply with manufacturer's written instructions. Install fasteners through each fastener hole.

E. Do not splice structural members between supports unless otherwise indicated.

F. Provide blocking and framing as indicated and as required to support facing materials, fixtures, and similar items.

G. Comply with AWPA M4 for applying field treatment to cut surfaces of preservative-treated lumber.

H. Securely attach carpentry work to substrate by anchoring and fastening as indicated, complying with Table 2304.9.1, "Fastening Schedule," in Florida Building Code.

END OF SECTION 061000

SECTION 061516 - WOOD ROOF DECKING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes solid-sawn wood roof decking

B. Related Requirements:

1. Section 061000 "Rough Carpentry" for dimension lumber items associated with wood roof decking.

1.2 SUBMITTALS

A. Product Data: For each type of product.

1. For preservative-treated wood products, include chemical treatment manufacturer's written instructions for handling, storing, installing, and finishing treated material.

B. Research/Evaluation Reports: For glued-laminated wood roof decking indicated to be of diaphragm design and construction, from ICC-ES.

1.3 DELIVERY, STORAGE, AND HANDLING

A. Schedule delivery of wood roof decking to avoid extended on-site storage and to avoid delaying the Work.

B. Store materials under cover and protected from weather and contact with damp or wet surfaces. Provide for air circulation within and around stacks and under temporary coverings. Stack wood roof decking with surfaces that are to be exposed in the final Work protected from exposure to sunlight.

PART 2 - PRODUCTS

2.1 WOOD ROOF DECKING, GENERAL

A. General: Comply with DOC PS 20 and with applicable grading rules of inspection agencies certified by ALSC's Board of Review.

2.2 SOLID-SAWN WOOD ROOF DECKING

A. Provide wood decking material from one of the following manufacturers:

1. Arxada; Wolmanized Outdoor wood.
2. Exterior Wood, Inc.
3. Filler King Company.

B. Standard for Solid-Sawn Wood Roof Decking: Comply with AITC 112.

C. Roof Decking Species: Douglas fir-larch, hem-fir, southern pine, or western hemlock.

D. Roof Decking Nominal Size: 2 by 8.

E. Roof Decking Grade: Select(ed) Decking.

F. Grade Stamps: Factory mark each item with grade stamp of grading agency. Apply grade stamp to surfaces that are not exposed to view.

G. Moisture Content: Provide wood roof decking with 15 percent maximum moisture content at time of dressing.

H. Face Surface: As selected by Architect.

I. Edge Pattern: Vee grooved. Edges machined for tongue-and-groove installation.

2.3 PRESERVATIVE TREATMENT

A. Pressure treat wood roof decking according to AWPA U1; Use Category UC2.

B. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.

1. For exposed items indicated to receive a stained or natural finish, use products that do not contain colorants, bleed through, or otherwise adversely affect finishes.

C. Use process that does not include water repellents or other substances that might interfere with application of indicated finishes.

D. After treatment, redry materials to 15 percent maximum moisture content.

2.4 ACCESSORY MATERIALS

A. Fasteners for Solid-Sawn Roof Decking: Provide fastener size and type complying with AITC 112 for thickness of deck used.

B. Nails: Common; complying with ASTM F1667, Type I, Style 10.

C. Fastener Material: Hot-dip galvanized steel.

D. Bolts for Anchoring Roof Decking to Walls: Carbon steel; complying with ASTM A307 with ASTM A563 hex nuts and, where indicated, flat washers, all hot-dip zinc coated.

E. Sealants: Latex, complying with ASTM C834 Type OP, Grade NF and with applicable requirements in Section 079200 "Joint Sealants," recommended by sealant manufacturer and manufacturer of substrates for intended application.

1. Products: Provide one of the following:
   - a. Pecora Corporation; AC-20+.
   - b. Schnee-Morehead, Inc., an ITW company; SM 8200.
   - c. Tremco Incorporated; Tremflex 834.

F. Penetrating Sealer: Clear sanding sealer complying with Section 099100 "Painting" and compatible with topcoats specified for use over it.

2.5 FABRICATION

A. Shop Fabrication: Where preservative-treated roof decking is indicated, complete cutting, trimming, surfacing, and sanding before treating.

B. Seal Coat: After fabricating and surfacing roof decking, apply a saturation coat of penetrating sealer in fabrication shop.

C. Apply indicated finish materials to comply with Section 099100 "Painting" in fabrication shop.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine walls and support framing in areas to receive wood roof decking for compliance with installation tolerances and other conditions affecting performance of wood roof decking.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install solid-sawn wood roof decking to comply with AITC 112.

1. Locate end joints for lay-up indicated.

B. Anchor wood roof decking, where supported on walls, with bolts as indicated.

C. Where preservative-treated roof decking must be cut during erection, apply a field-treatment preservative to comply with AWPA M4. Not applicable for southern pine.

1. For solid-sawn roof decking, use inorganic boron (SBX).

D. Apply elastomeric joint sealant to seal roof decking at exterior walls at the following locations:

1. Between roof decking and supports located at exterior walls.
2. Between roof decking and exterior walls that butt against underside of roof decking.
3. Between tongues and grooves of roof decking over exterior walls and supports at exterior walls.

3.3 ADJUSTING

A. Repair damaged surfaces and finishes after completing erection. Replace damaged roof decking if repairs are not approved by Architect.

END OF SECTION 061516

SECTION 061600 - SHEATHING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Wall sheathing.

PART 2 - PRODUCTS

2.1 WOOD PANEL PRODUCTS

A. Plywood: DOC PS 1.

2.2 PRESERVATIVE-TREATED PLYWOOD

A. Preservative Treatment by Pressure Process: AWPA U1; Use Category UC3b for exterior construction.

B. Mark plywood with appropriate classification marking of an inspection agency acceptable to authorities having jurisdiction.

C. Application: Treat all plywood unless otherwise indicated.

2.3 WALL SHEATHING

A. Plywood Wall Sheathing: Exterior sheathing.

B. Plywood Roof Sheathing: Exterior sheathing.

2.4 FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.

1. For wall sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A153/A153M.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Securely attach to substrate by fastening as indicated, complying with the following:

1. Table 2304.9.1, "Fastening Schedule," in Florida Building Code.

3.2 WOOD STRUCTURAL PANEL INSTALLATION

A. General: Comply with APA Form No. E30, "Engineered Wood Construction Guide." for types of structural-use panels and applications indicated.

B. Fastening Methods: Fasten panels as indicated below:

1. Wall Sheathing:
   - a. Nail to wood framing.
   - b. Space panels 1/8 inch apart at edges and ends.
2. Roof Sheathing:
   - a. Nail to wood framing.
   - b. Space panels 1/8 inch apart at edges and ends.

END OF SECTION 061600

SECTION 072100 - THERMAL INSULATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Glass-fiber blanket insulation.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

PART 2 - PRODUCTS

2.1 GLASS-FIBER BLANKET INSULATION

A. Manufacturers:

1. CertainTeed Corporation.
2. Guardian Building Products, Inc.
3. Johns Manville.
4. Knauf Insulation.
5. Owens Corning.

B. Unfaced, Glass-Fiber Blanket Insulation: ASTM C 665, Type I; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively, per ASTM E 84; passing ASTM E 136 for combustion characteristics.

C. Kraft-Faced, Glass-Fiber Blanket Insulation: ASTM C 665, Type II (non-reflective faced), Class C (faced surface not rated for flame propagation); Category 1 (membrane is a vapor barrier).

D. Insulation R-Values: As indicated on Drawings.

PART 3 - EXECUTION

3.1 INSTALLATION OF INSULATION FOR FRAMED CONSTRUCTION

A. Bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units as appropriate for installation condition.

B. Glass-Fiber Blanket Insulation: Install in cavities formed by framing members according to the following requirements:

1. Use insulation widths and lengths that fill the cavities formed by framing members. If more than one length is required to fill the cavities, provide lengths that will produce a snug fit between ends.
2. Place insulation in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.
3. Vapor-Retarder-Faced Blankets: Tape joints and ruptures in vapor-retarder facings, and seal each continuous area of insulation to ensure airtight installation.
   - a. Exterior Walls: Set units with facing placed toward exterior of construction.

END OF SECTION 072100

SECTION 072500 - WEATHER BARRIERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Building wrap.
2. Flexible flashing.

PART 2 - PRODUCTS

2.1 WATER-RESISTIVE BARRIER

A. Building Wrap: ASTM E1677, Type I air barrier; with flame-spread and smoke-developed indexes of less than 25 and 450, respectively, when tested according to ASTM E84; UV stabilized; and acceptable to authorities having jurisdiction.

1. Product: "Tyvek Commercial Wrap"; DuPont.
2. Other Acceptable Manufacturers: Pactiv, Inc.; Raven Industries, Inc.; Fiberweb-Typar.
3. Water-Vapor Permeance: Not less than 50 g through 1 sq. m of surface in 24 hours per ASTM E96/E96M, Desiccant Method (Procedure A).

B. Building-Wrap Tape: Pressure-sensitive plastic tape recommended by building-wrap manufacturer for sealing joints and penetrations in building wrap.

2.2 MISCELLANEOUS MATERIALS

A. Flexible Flashing: Self-adhesive butyl rubber compound, bonded to a high-density polyethylene film, aluminum foil, or spunbonded polyolefin to produce an overall thickness of not less than 0.025 inch.

1. Product: "DuPont Flashing Tape"; DuPont.

PART 3 - EXECUTION

3.1 WATER-RESISTIVE BARRIER INSTALLATION

A. Building Wrap: Seal seams, edges, fasteners, and penetrations with tape. Extend into jambs of openings and seal corners with tape.

3.2 FLEXIBLE FLASHING INSTALLATION

A. Apply flexible flashing where indicated. Lap seams and junctures with other materials at least 4 inches except that at flashing flanges of other construction, laps need not exceed flange width.

1. Lap flashing over water-resistive barrier at bottom and sides of openings.
2. Lap water-resistive barrier over flashing at heads of openings.

END OF SECTION 072500

SECTION 072600 - UNDERSLAB VAPOR RETARDER

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes vapor retarder for installation under concrete slabs on grade.

1.2 DELIVERY, STORAGE, AND HANDLING

A. Protect vapor retarder materials from physical damage and from deterioration by moisture, soiling, and other sources. Store inside and in a dry location.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Product: "Stego Wrap 15"; Stego Industries, LLC. Other acceptable products:

1. "Vapor Block 15"; Raven Industries, Inc.
2. "Griffolyn 15 Mil Green"; Reef Industries, Inc.

2.2 VAPOR RETARDER MATERIALS

A. Vapor Retarder: Multilayer polyolefin sheet material complying with ASTM E1745, Class A. 15 mil thickness. Less than 0.012 perms according to ASTM E 96.

B. Seam Tape: Stego's "Stego Tape." 0.3 perms or lower according to ASTM E96.

C. Mastic: Stego's "Stego Mastic." 0.3 perms or lower according to ASTM E96.Fibered Brush and Spray Coats: ASTM D1227, Type II, Class 1.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Installation Standard: ASTM E1643.

B. Unroll vapor retarder with longest dimension parallel with direction of the concrete pour.

C. Lap vapor retarder over footings or seal to foundation walls.

D. Overlap joints 6 inches and seal with specified tape.

E. Seal all penetrations according to manufacturer's printed instructions.

F. No penetration of vapor retarder allow except for reinforcing steel and permanent utilities.

G. Repair damaged areas by cutting patches of vapor retarder, overlapping damaged area 6 inches and taping all four sides with specified tape.

END OF SECTION 072600

100 % PERMIT DRAWINGS

Stokes
Architectural Inc.

Stokes Architectural, Inc.
Architecture • Master Planning • Interior Design
204 Cloverdale Boulevard
Fort Walton Beach, Florida 32547
Phone: (850) 664-2220 Fax: (850) 664-6943
FL License #: AR0004611 FL Corp License #: AAC001725

PROFESSIONAL SEAL:
CHRISTOPHER GOODPASTER
AR96630
AR0096630

Nature Center at Kellogg Park - Walton County

East Nursery Road
Santa Rosa Beach, Florida 32459

DRAWN BY: CG	CHECKED BY: CG
APPROVED BY:	
REVISIONS:	
SHEET TITLE: SPECIFIATIONS	
DATE: 8/30/2024	FILE: 21011
DRAWING NUMBER: A-500	

FILE NAME: O:\21011- Nature Ctr. Bldg. at Kellogg Park\Current\(m) 21011-A-500.dwg LAYOUT NAME: A-500 PLOTTED: Wednesday, October 16, 2024 - 3:18pm USER: Chris

SECTION 074113 - FORMED METAL ROOF PANELS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes standing-seam metal roof panels, roof insulation, and underlayment.

1.2 SUBMITTALS

A. Product Data: For each type of product.
   1. Submit Florida Product Approval.

B. Shop Drawings: Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.

C. Samples: For each type of metal panel indicated.

D. Warranties: Sample of special warranties.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.4 WARRANTY

A. Special Warranty: Manufacturer's written warranty agreeing to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
   1. Warranty Period: Two years from date of Substantial Completion.

B. Special Warranty on Panel Finishes: Manufacturer's written warranty agreeing to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
   1. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E1592:
   1. Wind Loads: As indicated on Drawings.
   2. Deflection Limits: For wind loads, no greater than 1/180 of the span.

B. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E1646 or ASTM E331 at 6.24 lbf/sq. ft. test pressure difference.

C. Wind-Uplift Resistance: Provide metal roof panel assemblies that comply with UL 580 for wind-uplift-resistance class indicated.
   1. Uplift Rating: UL 90.

2.2 STANDING-SEAM METAL ROOF PANELS

A. General: Comply with ASTM E1638 for aluminum panel systems. Include clips, cleats, pressure plates, and accessories required for weathertight installation.

B. Vertical-Rib, Snap-Joint, Standing-Seam Metal Roof Panels: Formed with vertical ribs at panel edges and a flat pan between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and snapping panels together.
   1. Basis-of-Design Product: Petersen Aluminum Corporation; Pac-Clad Snap-Clad. Other acceptable manufacturers:
      a. Atas International.
      b. Berridge Manufacturing Co.
      c. MBCI.
   2. Aluminum Sheet: Coil-coated sheet, ASTM B209, alloy and temper as standard with manufacturer.
      a. Thickness: 0.032 inch.
      b. Surface: Smooth, flat finish.
      c. Exterior Finish: Two-coat fluoropolymer.
      d. Color: As selected by Architect from manufacturer's full range.
   3. Clips: One-piece fixed to accommodate thermal movement.
      a. Material: 0.025-inch thick, stainless-steel sheet.
   4. Panel Coverage: 16 inches.
   5. Panel Height: 1.75 inches.

2.3 ROOF INSULATION OVER SOLID DECK

A. Polyisocyanurate Board Insulation: ASTM C1289, Type II, Class 1, Grade 2, glass fiber mat facer on both major surfaces. 20 psi compressive strength.
   1. Thickness: Two equal layers for 5 inches total. Manufacturer's standard board sizes.
   2. Acceptable Manufacturers:
      a. Atlas Roofing Corporation.
      b. Carlisle SynTec.
      c. GAF Materials Corporation.
      d. Rmax.

2.4 UNDERLAYMENT MATERIALS

A. Self-Adhering, Underlayment: Provide self-adhering, cold-applied, SBS sheet underlayment, a minimum of 30 mils thick. Provide primer when recommended by underlayment manufacturer.
   1. Basis of Design: GCP Applied Technologies; Grace Ice and Water Shield.
   2. Other Acceptable Manufacturers:
      a. Carlisle Coatings and Waterproofing Inc.
      b. Henry Company.
      c. Owens Corning.

2.5 MISCELLANEOUS MATERIALS

A. Panel Accessories: Provide components required for a complete, weathertight panel system. Match material and finish of metal panels unless otherwise indicated.

B. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Finish flashing and trim with same finish system as adjacent metal panels.

C. Panel Fasteners: Self-tapping screws designed to withstand design loads. Provide exposed fasteners with heads matching color of metal panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.

D. Panel Sealants: Elastomeric sealant; ASTM C920.

2.6 FABRICATION

A. Provide panel profile for full length of panel.

B. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations.

2.7 ALUMINUM FINISH

A. Two- Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat.

PART 3 - EXECUTION

3.1 ROOF INSULATION INSTALLATION

A. General: Install insulation concurrently with metal panel installation, in thickness indicated to cover entire surface, according to manufacturer's written installation instructions, including provisions with attachment to wood roof deck substrates.

3.2 UNDERLAYMENT INSTALLATION

A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply over the entire roof surface, wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches staggered 24 inches between courses. Overlap side edges not less than 3-1/2 inches. Roll laps with roller. Cover underlayment within 14 days.

3.3 METAL PANEL INSTALLATION

A. Standing-Seam Metal Roof Panel Installation: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners recommended in writing by manufacturer.
   1. Install clips to supports with self-lapping fasteners.
   2. Install pressure plates at locations indicated in manufacturer's written installation instructions.
   3. Snap Joint: Nest standing seams and fasten together by interlocking and completely engaging factory-applied sealant.

B. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.

C. Flashing and Trim: Comply with performance requirements and manufacturer's written installation instructions. Provide concealed fasteners where possible, and set units true to line and level. Install work with laps, joints, and seams that are permanently watertight.

3.4 ERECTION TOLERANCES

A. Installation Tolerances: Shim and align metal panel units within installed tolerance of 1/4 inch in 20 feet on slope and location lines as indicated and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

3.5 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect metal roof panel installation, including accessories. Report results in writing.

B. Remove and replace applications of metal roof panels where tests and inspections indicate that they do not comply with specified requirements.

3.6 CLEANING

A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.

END OF SECTION 074113

SECTION 074633 - VINYL SOFFIT

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes vinyl soffit.

B. Related Requirements:
   1. Section 061000 "Rough Carpentry" for wood furring, grounds, nailers, and blocking.

1.2 COORDINATION

A. Coordinate soffit installation with adjoining construction to ensure proper sequencing.

1.3 SUBMITTALS

A. Product Data: For each type of product. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Samples for Verification: For each type, color, texture, and pattern required.
   1. 12-inch long-by-actual-width Sample of soffit.

C. Product Certificates: For each type of vinyl soffit.

D. Sample Warranty: For special warranty.

E. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Furnish full lengths of vinyl soffit including related accessories, in a quantity equal to 5 percent of amount installed.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store packaged materials in original containers with labels intact until time of use.

B. Store materials under cover.

1.5 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace products that fail in materials or workmanship within specified warranty period.
   1. Failures include, but are not limited to, the following:
      a. Structural failures including cracking, fading, and deforming.
      b. Deterioration of materials beyond normal weathering.
   2. Fading is defined as loss of color, after cleaning with product recommended by manufacturer, of more than 4 Hunter color-difference units as measured according to ASTM D2244.
   3. Warranty Period: 50 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 VINYL SOFFIT

A. Acceptable Manufacturers:
   1. Alside.
   2. CertainTeed.
   3. Ply Gem.

B. Vinyl Soffit: Integrally colored product complying with ASTM D4477.

C. Color, Pattern, and Texture: As selected by Architect from manufacturer's full range.

D. Ventilation: Provide hidden aeration openings.

E. Nominal Thickness: 0.042 inch.

F. Minimum Profile Depth: 3/4 inch.

2.2 ACCESSORIES

A. Vinyl Accessories: Integrally colored vinyl accessories complying with ASTM D3679.

B. Colors for Vinyl Accessories: Match adjacent soffit.

C. Fasteners:
   1. For fastening to wood, use siding nails or ribbed bugle-head screws of sufficient length to penetrate a minimum of one inch into substrate.
   2. For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch, or three screw-threads, into substrate.
   3. For fastening fiber cement, use hot-dip galvanized fasteners.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of vinyl soffit and related accessories.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Clean substrates of projections and substances detrimental to application.

3.3 INSTALLATION

A. General: Comply with manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.

B. Install vinyl soffit and related accessories according to ASTM D4756.

C. Install joint sealants as specified in Section 079200 "Joint Sealants" and to produce a weathertight installation.

3.4 ADJUSTING AND CLEANING

A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.

B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

END OF SECTION 074633

SECTION 074646 - FIBER-CEMENT SIDING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes fiber-cement lap siding and board and batten panel siding.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.
   1. Submit Florida Product Approval.

B. Samples: For siding including related accessories.

C. Product test reports.

D. Research/evaluation reports.

E. Warranty: Sample of special warranty.

F. Maintenance data.

G. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Furnish full lengths of siding including related accessories, in a quantity equal to 2 percent of amount installed.

1.3 QUALITY ASSURANCE

A. Labeling: Provide fiber-cement siding that is tested and labeled according to ASTM C 1186 by a qualified testing agency acceptable to authorities having jurisdiction.

1.4 WARRANTY

A. Special Warranty: Standard form in which manufacturer agrees to repair or replace siding that fail(s) in materials or workmanship within specified warranty period.
   1. Warranty Period: 50 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FIBER-CEMENT LAP SIDING

A. General: ASTM C1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E 136; with a flame-spread index of 25 or less when tested according to ASTM E84.
   1. Basis-of-Design Product: "HZ10 HardieShingle, Staggered Edge"; James Hardie.
   2. Horizontal Pattern: Boards 15-1/4 inches wide by 48 inches long. 2.326 Inch exposure with. 0.25 inch material thickness.
   3. Factory Priming: Manufacturer's standard acrylic primer.

2.2 FIBER-CEMENT PANELS

A. General: ASTM C1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E 136; with a flame-spread index of 25 or less when tested according to ASTM E84.
   1. Basis-of-Design Product: "HZ10 HardiePanel and HardieTrim Batten Boards"; James Hardie.
   2. Vertical Pattern: 48-inch wide sheets with batten board trim. Color and texture as selected from manufacturer's full array.
   3. Factory Priming: Manufacturer's standard acrylic primer.

2.3 ACCESSORIES

A. Flashing: Provide aluminum flashing complying with Section 076200 "Sheet Metal Flashing and Trim" at window and door heads and where indicated.
   1. Finish for Aluminum Flashing: Siliconized polyester coating, same color as siding.

B. Fasteners:
   1. For fastening to wood, use siding nails of sufficient length to penetrate a minimum of 1 inch into substrate.
   2. For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch, or three screw-threads, into substrate.
   3. For fastening fiber cement, use hot-dip galvanized fasteners.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General: Comply with siding manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
   1. Do not install damaged components.

B. Install fiber-cement siding and related accessories.
   1. Install fasteners no more than 24 inches o.c.

C. Install joint sealants as specified in Section 079200 "Joint Sealants" and to produce weathertight installation.

3.2 ADJUSTING AND CLEANING

A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.

B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

END OF SECTION 074646

SECTION 079200 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Urethane joint sealants.
   2. Silicone sealants.
   3. Latex joint sealants.

1.2 SUBMITTALS

A. Product Data: For each joint-sealant product indicated.

B. Joint-Sealant Schedule: Include the following information:
   1. Joint-sealant application, joint location, and designation.
   2. Joint-sealant manufacturer and product name.
   3. Joint-sealant formulation.
   4. Joint-sealant color.

C. Warranties.

1.3 WARRANTY

A. Special Installer's Warranty: Manufacturer's standard form in which Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
   1. Warranty Period: Two years from date of Substantial Completion.

B. Special Manufacturer's Warranty: Manufacturer's standard form in which joint-sealant manufacturer agrees to furnish joint sealants to repair or replace those that do not comply with performance and other requirements specified in this Section within specified warranty period.
   1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.2 SILICONE JOINT SEALANTS

A. Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: Mildew-Resistant, Single-Component, Acid-Curing Silicone Joint Sealant: ASTM C920, Type S, Grade NS, Class 25, for Use NT. For exterior use.
   1. Products: One of the following:
      a. The Dow Chemical Company; DOWSIL 791 or DOWSIL 795.
   b. GE Silicones; SilPruf NB SCS9000 or SilPruf SCS2000.
   c. Tremco Incorporated; Spectrem 2 or Spectrem 3.

B. Mildew-Resistant, Single-Component, Acid-Curing Silicone Joint Sealant: ASTM C920, Type S, Grade NS, Class 25, for Use NT.
   1. Products: One of the following:
      a. The Dow Chemical Company; DOWSIL 786 Mildew Resistant.
   b. GE Silicones; Sanitary SCS1700.
   c. Tremco Incorporated; Tremsil 200 Sanitary.

2.3 URETHANE JOINT SEALANTS

A. Single-Component, Nonsag, Traffic-Grade, Urethane Joint Sealant: ASTM C920, Type S, Grade NS, Class 25, for Use T.
   1. Product: One of the following:
   a. Sika Corporation; Sikaflex - 1A.
   b. Tremco Incorporated; Vulkem 116.

2.4 LATEX JOINT SEALANTS

A. Latex Joint Sealant: Acrylic latex or siliconized acrylic latex, ASTM C834, Type OP, Grade NF. For interior joints.
   1. Product: One of the following:
   a. Pecora Corporation; AC-20+.
   b. Tremco Incorporated; Tremflex 834.

2.5 MISCELLANEOUS MATERIALS

A. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials.

B. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions.
   1. Remove laitance and form-release agents from concrete.
   2. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants.

3.2 INSTALLATION

A. Sealant Installation Standard: Comply with ASTM C1193.

B. Install sealant backings of kind indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
   1. Do not leave gaps between ends of sealant backings.
   2. Do not stretch, twist, puncture, or tear sealant backings.
   3. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry materials.

C. Tooling of Nonsag Sealants: Provide concave joint profile per ASTM C1193.

END OF SECTION 079200

SECTION 081613 - FIBERGLASS DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes fiberglass doors and frames.

1.2 SUBMITTALS

A. Product Data: For each type of product.
   1. Submit Florida Product Approval.

B. Shop Drawings: Include elevations, door edge details, frame profiles, metal thicknesses, preparations for hardware, and other details.

C. Schedule: Prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings.

D. Product Test Reports: For each windborne-debris-impact-resistant door and frame assembly, tests performed by a qualified testing agency.

1.3 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's unopened and undamaged original packaging, with manufacturer's labels intact.

B. Store door assemblies on end to prevent damage to faces, corners, and edges.

1.4 WARRANTY

A. Manufacturer's Warranty: Manufacturer's 10 year warranty against failure due to corrosion from Project environment.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
   1. Chem-Pruf Door Company.
   2. Fib-R-Door; Division of Advance Fiberglass, Inc.
   3. Tiger Door, LLC; Overlay Manufacturing Company.

2.2 PERFORMANCE REQUIREMENTS

A. Windborne-Debris-Impact Resistance: Passes ASTM E1886 missile-impact and cyclic-pressure tests according to ASTM E1996 for Project Wind Zone for basic protection. Includes large-missile test.

2.3 MATERIALS

A. Fiberglass Mat: Glass fiber chopped strand, minimum 1.5 oz. per sq. ft.

B. Resins: Manufacturer's standard formulation for fabricating units to meet Project requirements.

C. Anchors: Manufacturer's standard stainless steel masonry tee anchors.

D. Fasteners: Type 316 stainless steel.

2.4 FIBERGLASS DOORS AND FRAMES

A. Doors: Fiberglass Reinforced Plastic (FRP).
   1. Door Thickness: 1-3/4 inches.
   2. Construction:
      a. Core: Mineral.
      b. Door Plates: Mounted in one continuous piece, resin reinforced with hand-laid glass fiber mat. Nominal 1/8 inch thick with minimum 25 mil gel-coated surface.
      c. Door Edges: Minimum two layers resin-reinforced glass fiber mat, machine tooled.
   3. Finish: Smooth glass surface, value 88 (minimum) per ASTM D523.
   4. Color: As selected by Architect from manufacturer's full range.

B. Frames: Fiberglass Reinforced Plastic (FRP).
   1. Dimensions: As indicated on Drawings.
   2. Anchors: Stainless steel.

C. Hardware: Refer to Section 087100 "Door Hardware."

2.5 FABRICATION

A. FRP Doors:
   1. Minimum Glass Fiber to Resin Ration: 30 percent.
   2. Mortise for lockset, and recess for strike plate in lock stile.
   3. Embed steel reinforcement for hinges in fiberglass matrix; provide for hinge leaf recesses in stile.

B. FRP Frames:
   1. Mortise for lock strike, and recess for strike plate in lock jamb.
   2. Reinforce for hinges and other indicated hardware.

2.6 DOOR FINISH

A. Door integrally colored or 25 mil molded gelcoat, as a factory application. Colors as selected by Architect from manufacturer's full range.

2.7 INSTALLATION

A. General: install doors and door hardware according to manufacturer's written installation instructions and approved shop drawings.

B. Acclimate doors to site conditions at least 24 hours before installation commences.

C. Use anchorage devices to securely fasten the door frame assembly to wall construction without distortion or imposed stresses.

D. Maintain plumb and level tolerances as required by manufacturer.

2.8 ADJUSTING

A. Adjust doors as necessary to swing open and shut without binding and to remain in place at any angle without further movement.

B. Adjust door hardware to operate correctly for intended function.

2.9 CLEANNG AND PROTECTING

A. Clean all door assembly components as recommended in manufacturer's written maintenance instructions. Remove all labels and visible markings, except for any fire-rated labels.

B. Touch-up, repair, or replace damaged components prior to Substantial Completion.

C. Protect installed products for the remainder of the construction period.

END OF SECTION 081613

SECTION 085313 - VINYL WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes vinyl-framed windows.

1.2 SUBMITTALS

A. Product Data: For each type of product.
   1. Submit Florida Product Approval.

B. Shop Drawings: Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.

C. Delegated Design Submittal: Fore reinforcing mullions, including analysis data signed and sealed by a qualified Florida-licensed professional engineer.

D. Samples: For each exposed product and for each color specified, 2 by 4 inches in size.

E. Product Schedule: For vinyl windows. Use same designations indicated on Drawings.

F. Product test reports.

G. Sample warranties.

1.3 WARRANTY

A. Manufacturer's Warranty: Manufacturer agrees to repair or replace vinyl windows that fail in materials or workmanship within specified warranty period.
   1. Warranty Period:
      a. Window: 10 years from date of Substantial Completion.
      b. Glazing Units: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
   1. CertainTeed Corporation.
   2. Doers Window Manufacturing.
   3. Jeld-Wen.
   4. PlyGem.
   5. Weather Shield Mfg., Inc.

2.2 WINDOW PERFORMANCE REQUIREMENTS

A. Product Standard: AAMA/WDMA/CSA 101/I.S.2/A440. Performance Class and Performance Grade to suit Project requirements.

B. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.60 Btu/sq. ft. x h x deg F.

C. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.27.

D. Windborne-Debris Impact Resistance: Passes ASTM E1886 missile-impact and cyclic-pressure tests in accordance with ASTM E1996 for Project Wind Zone for basic protection.
   1. Large-Missile Test: For glazing located within 30 feet of grade.

2.3 VINYL WINDOWS

A. Operating Types: Fixed and single-hung.

B. Frames: Impact-resistant, UV-stabilized PVC complying with AAMA/WDMA/CSA 101/I.S.2/A440.
   1. Finish: Integral color as scheduled or selected by Architect.
   2. Gypsum Board Returns: Provide at interior face of frame.

C. Glazing System: Factory-glazed insulating laminated glass units with Low-E coated outboard lites and clear inboard laminated glass lites. Refer to Section 08800 "Glazing" for additional requirements.

D. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.
   1. Exposed Fasteners: Do not use exposed fasteners to the greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.

2.4 ACCESSORIES

A. Dividers (False Muntins): Provide divider grilles in designs indicated for each sash lite.
   1. Material: Manufacturer's standard.
   2. Pattern: As indicated on Drawings.
   3. Profile: As selected by Architect from manufacturer's full range.
   4. Color: As selected by Architect from manufacturer's full range.

2.5 FABRICATION

A. Fabricate vinyl windows in sizes indicated. Include a complete system for assembling components and anchoring windows.

B. Glaze vinyl windows in the factory.

C. Weather strip each operable sash to provide weathertight installation.

D. Provide mullions and cover plates, compatible with window units, complete with anchors for support to structure and installation of window units. Allow for erection tolerances and provide for movement of window units due to thermal expansion and building deflections. Provide mullions and cover plates capable of withstanding design wind loads of window units. Provide manufacturer's standard finish to match window units.

E. Mount hardware through double walls of vinyl extrusions or provide corrosion-resistant reinforcement.

F. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming, and fitting at Project site.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E2112.

B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.

C. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.

D. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.

E. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION 085313

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. Section door hardware for applications indicated on Drawings.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Other Submittals:
   1. Door Hardware Schedule: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
      a. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
      b. Content: Include the following information:
         1) Identification number, location, hand, fire rating, size, and material of each door and frame.
         2) Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
         3) Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
   2. Keying Schedule: Prepared by or under the supervision of Installer, detailing Owner's final keying instructions for locks.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: Supplier of products and an employer of workers trained and approved by product manufacturers and an Architectural Hardware Consultant who is available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.

B. Architectural Hardware Consultant Qualifications: A person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and who is currently certified by DHI as follows:
   1. For door hardware, an Architectural Hardware Consultant (AHC).

C. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated, provide door hardware rated for use in assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C, unless otherwise indicated.

D. Means of Egress Doors: Latches do not require more than 15 lbf to release the latch. Locks do not require use of a key, tool, or special knowledge for operation.

E. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1.5 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
   1. Warranty Period: Three years from date of Substantial Completion, unless otherwise indicated.
      a. Exit Devices: Two years from date of Substantial Completion.
      b. Manual Closers: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. Provide door hardware for each door as scheduled on Drawings to comply with requirements in this Section.

2.2 HINGES

A. Hinges: BHMA A156.1. Provide template-produced hinges for hinges installed on hollow-metal doors and hollow-metal frames.
   1. Manufacturers:
      a. Hager Companies.
      b. IVES Hardware.
      c. Lawrence Hardware Inc.
      d. McKinney Products Company.
      e. Stanley Commercial Hardware.

2.3 CONTINUOUS HINGES

A. Continuous Hinges: BHMA A156.26; minimum 0.120-inch-thick, hinge leaves with minimum overall width of 4 inches; fabricated to full height of door and frame and to template screw locations; with components finished after milling and drilling are complete.

B. Continuous, Gear-Type Hinges: Extruded-aluminum, pinless, geared hinge leaves joined by a continuous extruded-aluminum channel cap; with concealed, self-lubricating thrust bearings.
   2. Manufacturers:
      a. Hager Companies.
      b. IVES Hardware.
      c. McKinney Products Company.
      d. Stanley Commercial Hardware.
      e. Zero International.

2.4 MECHANICAL LOCKS AND LATCHES

A. Strikes: Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch.

B. Mortise Locks: BHMA A156.13; Operational Grade 1; stamped steel case with steel or brass parts; Series 1000.
   1. Manufacturers:
      a. Best Access Systems.
      b. Corbin Russwin Architectural Hardware.
      c. Falcon Lock.
      d. SARGENT Manufacturing Company.
      e. Schlage Commercial Lock.

2.5 MANUAL FLUSH BOLTS

A. Manual Flush Bolts: BHMA A156.16; minimum 3/4-inch throw; designed for mortising into door edge.
   1. Manufacturers:
      a. Adams Rite Manufacturing Co.; an ASSA ABLOY Group company.
      b. IVES Hardware; an Ingersoll-Rand company.
      c. Trimco.

2.6 EXIT DEVICES AND AUXILIARY ITEMS

A. Exit Devices and Auxiliary Items: BHMA A156.3.
   1. Manufacturers:
      a. Adams Rite Manufacturing Co.
      b. Corbin Russwin Architectural Hardware.
      c. DORMA Architectural Hardware.
      d. SARGENT Manufacturing Company.
      e. Von Duprin.

2.7 LOCK CYLINDERS

A. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.
   1. Manufacturer: Selected lock manufacturer.

B. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.

2.8 KEYING

A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference.
   1. Grand Master Key System: Change keys, a master key, and a grand master key operate cylinders.
   2. Keyed Alike: Key all cylinders to same change key.

B. Keys: Nickel silver.
   1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
      a. Notation: "DO NOT DUPLICATE."
   2. Quantity: In addition to one extra key blank for each lock, provide the following:

Retain subparagraphs below that correspond to type of keying system retained above.

      a. Cylinder Change Keys: Three.
      b. Master Keys: Five.
      c. Grand Master Keys: Five.

2.9 OPERATING TRIM

A. Operating Trim: BHMA A156.6; stainless steel, unless otherwise indicated.

See Editing Instruction No. 1 in the Evaluations for cautions about naming manufacturers. Retain one of two subparagraphs and list of manufacturers below. See Section 016000 "Product Requirements."

   1. Manufacturers:
      a. Hager Companies.
      b. IVES Hardware; an Ingersoll-Rand company.
      c. Rockwood Manufacturing Company.
      d. Trimco.

2.10 SURFACE CLOSERS

A. Surface Closers: BHMA A156.4; rack-and-pinion hydraulic type with adjustable sweep and latch speeds controlled by key-operated valves and forged-steel main arm. Size door closers for size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.
   1. Manufacturers:
      a. Corbin Russwin Architectural Hardware.
      b. DORMA Architectural Hardware.
      c. LCN Closers.
      d. Norton Door Controls.
      e. SARGENT Manufacturing Company.

2.11 MECHANICAL STOPS AND HOLDERS

A. Wall- and Floor-Mounted Stops: BHMA A156.16; polished cast brass, bronze, or aluminum base metal.
   1. Manufacturers:
      a. Hager Companies.
      b. IVES Hardware.
      c. Rockwood Manufacturing Company.
      d. Stanley Commercial Hardware.

2.12 DOOR GASKETING

A. Door Gasketing: BHMA A156.22; air leakage not to exceed 0.50 cfm per foot of crack length for gasketing other than for smoke control, as tested according to ASTM E 283; with replaceable resilient or flexible seal strips.
   1. Manufacturers:
      a. Hager Companies.
      b. National Guard Products.
      c. Pemko Manufacturing Co.
      d. Zero International.

2.13 THRESHOLDS

A. Thresholds: BHMA A156.21; fabricated to full width of opening indicated.
   1. Manufacturers:
      a. Hager Companies.
      b. National Guard Products.
      c. Pemko Manufacturing Co.
      d. Zero International.

2.14 METAL PROTECTIVE TRIM UNITS

A. Metal Protective Trim Units: BHMA A156.6; fabricated from 0.050-inch stainless steel; with manufacturer's standard machine or self-tapping screw fasteners.
   1. Manufacturers:
      a. IVES Hardware; an Ingersoll-Rand company.
      b. Rockwood Manufacturing Company.
      c. Trimco.

2.15 FINISHES

A. Provide finishes complying with BHMA A156.18 as indicated in door hardware schedule.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.

B. Mounting Heights: Mount door hardware units at heights to comply with the following unless otherwise indicated or required to comply with governing regulations.
   1. Standard Steel Doors and Frames: ANSI/SDI A250.8.

C. Lock Cylinders: Install construction cores to secure building and areas during construction period.
   1. Furnish permanent cores to Owner for installation.

D. Thresholds: Set thresholds for exterior doors and other doors indicated in full bed of sealant complying with requirements specified in Section 079200 "Joint Sealants."

E. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.

F. Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit; replace defective units.

3.2 DOOR HARDWARE SCHEDULE

A. Refer to Drawings.

END OF SECTION 087100

Stokes Architectural Inc.
Stokes Architectural, Inc.
Architecture • Master Planning • Interior Design
204 Cloverdale Boulevard
Fort Walton Beach, Florida 32547
Phone: (850) 664-2220 Fax: (850) 664-6943
FL License # AR0004611 FL Corp License # AAC001725

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STATE OF FLORIDA
CHRISTOPHER GOODRICH
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REGISTERED ARCHITECT
AR0096630

Nature Center at Kellogg Park - Walton County
East Nursery Road
Santa Rosa Beach, Florida 32459

DRAWN BY: CG | CHECKED BY: CG
APPROVED BY:
REVISIONS:

SHEET TITLE: SPECIFICATIONS
DATE: 8/30/2024 FILE: 21011
DRAWING NUMBER: A-501

100 % PERMIT DRAWINGS

SECTION 088000 - GLAZING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes glazing for the following:
   1. Exterior windows
   2. Exterior entrances.

1.2 SUBMITTALS

A. Product Data: For each glass product and glazing material indicated.

B. Glass Samples: For each type of glass product other than clear monolithic vision glass; 12 inches square.

C. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.

D. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.3 QUALITY ASSURANCE

A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.
   1. NGA Publications: "Laminated Glazing Reference Manual" and "Glazing Manual."
   2. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."

B. Safety Glazing Labeling: Where safety glazing labeling is indicated, permanently mark glazing with certification label of the SSGC.

C. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of IGCC.

1.4 WARRANTY

A. Manufacturer's Special Warranty on Laminated Glass: Against defects including edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.
   1. Warranty Period: 10 years from date of Substantial Completion.

B. Manufacturer's Special Warranty on Insulating Glass: Against failure of hermetic seal under normal use that is not attributed to glass breakage or to maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.
   1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 GLASS PRODUCTS, GENERAL

A. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass lites in thicknesses as needed to comply with requirements indicated.

B. Windborne-Debris-Impact Resistance: Provide exterior glazing that passes basic-protection testing requirements in ASTM E1996 for Project Wind Zone when tested according to ASTM E1886. Test specimens shall be no smaller in width and length than glazing indicated for use on the Project and shall be installed in same manner as glazing indicated for use on the Project.
   1. Large-Missile Test: For all glazing.

2.2 GLASS PRODUCTS

A. Float Glass: ASTM C 1036, Type I, Quality-Q3, Class I (clear) unless otherwise indicated.

B. Heat-Treated Float Glass: ASTM C 1048; Type I; Quality-Q3; Class I (clear) unless otherwise indicated; of kind and condition indicated.

2.3 LAMINATED GLASS

A. Windborne-Debris-Impact-Resistant Laminated Glass: ASTM C1172, and complying with testing requirements in 16 CFR 1201 for Category II materials, with "Windborne-Debris-Impact Resistance" Paragraph and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.
   1. Construction: Laminate glass with clear polyvinyl butyral interlayer.

2.4 INSULATING GLASS

A. Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E2190, and complying with other requirements specified.
   1. Sealing System: Dual seal.
   2. Spacer: Manufacturer's standard spacer material and construction.

2.5 GLAZING GASKETS

A. Dense Compression Gaskets: Molded or extruded gaskets of profile and hardness required to maintain watertight seal.

2.6 GLAZING TAPES

A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; complying with ASTM C1281 and AAMA 800.

2.7 MISCELLANEOUS GLAZING MATERIALS

A. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.

B. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.

C. Spacers: Elastomeric blocks or continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.

D. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).

2.8 INSULATING-LAMINATED-GLASS TYPES

A. Glass Type: Low-e-coated, clear insulating laminated glass.
   1. Basis of Design: Vitro Architectural Glass; Solarban 60 (2) Solargray + Clear. Other acceptable manufacturers:
      a. Cardinal IG.
      b. Guardian Glass.
      c. Viracon.
   2. Overall Unit Thickness: 1-5/16 inch.
   3. Thickness of Outdoor Lite: 6.0 mm.
   4. Exterior Lite: ASTM C1036, Type 1, Class 1, q3. Low-E coating sputtered on second surface. 6.0 mm thickness.
      a. Tint: Gray.
      b. Kind: Fully tempered.
   5. Interspace Content: Air.
   6. Interior Lite: ASTM C1172 clear laminated glass with two plies of heat-treated float glass.
      a. Thickness of Each Glass Ply: 6.0 mm.
      b. Interlayer Thickness: 0.090 inch.
   7. Low-E Coating: Sputtered on second surface.
   8. Provide safety glazing labeling.
   9. Performance Values:
      a. VLT: 35 percent.
      b. U-Value, Winter: 0.29.
      c. U-Value, Summer: 0.27.
      d. SHGC: 0.25.
      e. SC: 0.29.
      f. Outdoor VLR: 6 percent.

PART 3 - EXECUTION

3.1 GLAZING, GENERAL

A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

C. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

END OF SECTION 088000

SECTION 092900 - GYPSUM BOARD

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Interior gypsum board.
   2. Tile backing panels.

1.2 SUBMITTALS

A. Product Data: For each type of product.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E119 by an independent testing agency.

B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E90 and classified according to ASTM E413 by an independent testing agency.

2.2 INTERIOR GYPSUM BOARD

A. Manufacturers:
   1. CertainTeed Corp.
   2. Georgia-Pacific Gypsum LLC.
   3. National Gypsum Company.
   4. USG Corporation.

B. Gypsum Board, Type X: ASTM C1396/C1396M.
   1. Thickness: 5/8 inch.
   2. Long Edges: Tapered.

C. Gypsum Ceiling Board: ASTM C1396/C1396M.
   1. Thickness: 1/2 inch.
   2. Long Edges: Tapered.

2.3 TILE BACKING PANELS

A. Glass-Mat, Water-Resistant Backing Board: ASTM C1178/C1178M, with manufacturer's standard edges.
   1. Products: One of the following:
      a. CertainTeed Corp.; GlasRoc Tile Backer.
      b. Georgia-Pacific Gypsum LLC; DensShield Tile Backer.
   2. Core: As indicated on Drawings.
   3. Mold Resistance: ASTM D3273, score of 10 as rated according to ASTM D3274.

B. Cementitious Backer Units: ANSI A118.9 and ASTM C1288 or ASTM C1325, with manufacturer's standard edges.
   1. Products: One of the following:
      a. CertainTeed Corp.; FiberCement Underlayment.
      b. Custom Building Products; Wonderboard.
      c. National Gypsum Company, Permabase Cement Board.
      d. USG Corporation; DUROCK Cement Board.
   2. Thickness: As indicated.
   3. Mold Resistance: ASTM D3273, score of 10 as rated according to ASTM D3274.

2.4 TRIM ACCESSORIES

A. Interior Trim: ASTM C1047.
   1. Material: Galvanized or aluminum-coated steel sheet or paper-faced galvanized steel sheet.

2.5 JOINT TREATMENT MATERIALS

A. General: Comply with ASTM C475/C475M.

B. Joint Tape:
   1. Interior Gypsum Board: Paper.
   2. Tile Backing Panels: As recommended by panel manufacturer.

C. Joint Compound for Interior Gypsum Board: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.

2.6 AUXILIARY MATERIALS

A. Steel Drill Screws: ASTM C1002, unless otherwise indicated.

B. Sound Attenuation Blankets: ASTM C665, Type I (blankets without membrane facing).

C. Acoustical Joint Sealant: ASTM C834. Product effectively reduces airborne sound transmission through perimeter joints and openings as demonstrated by testing according to ASTM E90.
   1. Products: One of the following:
      a. Pecora Corporation; AC-20 FTR.
      b. Specified Technologies, Inc.; Smoke N Sound Acoustical Sealant.
      c. USG Corporation; SHEETROCK Acoustical Sealant.

D. Thermal Insulation: As specified in Section 072100 "Thermal Insulation."

PART 3 - EXECUTION

3.1 APPLYING AND FINISHING PANELS

A. Comply with ASTM C 840.

B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.

C. Install trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.
   1. Control Joints: Install control joints according to ASTM C840.

D. Prefill open joints and damaged surface areas.

E. Apply joint tape over gypsum board joints, except for trim products specifically indicated as not intended to receive tape.

F. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:
   1. Level 1: Ceiling plenum areas, concealed areas, and where indicated.
   2. Level 2: Panels that are substrate for tile.
   3. Level 4: At panel surfaces that will be exposed to view unless otherwise indicated. Primer and its application to surfaces are specified in Section 099100 "Painting."

END OF SECTION 092900

SECTION 096723 - RESINOUS FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. High performance resinous flooring and wall systems.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated. Include manufacturer's technical data, application instructions, and recommendations for each resinous flooring component required.

B. Samples for Verification: For each resinous flooring system required, 6 inches square, applied to a rigid backing by Installer for this Project.

C. Installer Certificates: Signed by manufacturer certifying that installers comply with specified requirements.

D. Maintenance Data: For resinous flooring to include in maintenance manuals.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of flooring systems required for this Project.
   1. Engage an installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.

B. Mockups: Apply mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
   1. Apply full-thickness mockups on 48-inch square floor area selected by Architect.
      a. Include 48-inch length of integral cove base with inside corner.
   2. Simulate finished lighting conditions for Architect's review of mockups.
   3. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

C. Preinstallation Conference: Conduct conference at Project site.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.

1.5 PROJECT CONDITIONS

A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.

B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.

C. Close spaces to traffic during resinous flooring application and for not less than 24 hours after application unless manufacturer recommends a longer period.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Manufacturer: Tnemec.

B. Other Acceptable Manufacturers:
   1. Dur-A-Flex.
   2. Neogard.
   3. Sika Corporation.
   4. Sherwin-Williams Company.

2.2 HIGH-PERFORMANCE RESINOUS FLOORING

A. Resinous Flooring: Urethane modified resinous floor coating on concrete floor slabs.
   1. Color and Pattern: As scheduled on Drawings or selected by Architect.

B. Surface Preparation: SSPC SP-13/NACE No. 6, ICRI CSP4-5.

C. Urethane Modified Concrete Mortar Base Coat:
   1. Product: Tnemec Series 245 Ultra-Tread S.
   2. Broadcast Aggregate: Decorative quartz aggregate or vinyl flake blends.
   3. Nominal Thickness, Exclusive of Aggregate: 3/16 inch.

D. Grout Coat:
   1. Product: Tnemec Series 222 Deco-Tread.
   2. Thickness: 12.0 to 16.0 DFT.
   3. Aggregates: Colored quartz (ceramic-coated silica).

E. Finish Coat:
   1. Product: Tnemec Series 290 CRU or 294 Clear CRU.
   2. Thickness: 2.0 to 3.0 mils DFT.

2.3 HIGH-PERFORMANCE RESINOUS WALL COATING

A. Resinous Coating: Fiber-reinforced epoxy wall coating system.

B. Applications: Concrete, CMU, and gypsum board substrates subject to constant wet conditions or sever physical abuse and/or chemical exposure.

C. Resurfacer/Filler: Modified polyamine epoxy surfacing compound.
   1. Product: Tnemec Series 215 Resurfacer.
   2. Thickness: 1/32 inch to 1/8 inch over entire surface.

D. Prime Coat: Polyamide epoxy.
   1. Product: Tnemec Series 273 Stranlok ML.
   2. Thickness: 6.0 to 8.0 mils DFT.

E. Fiberglass Mat:
   1. Product: Tnemec Series 273 Stranlok ML FiberGlass Reinforcing Mat.
   2. Application: Embedded into liquid resin.

F. Saturant Coat: Polyamide epoxy.
   1. Product: Tnemec Series 273 ML
   2. Thickness: 6.0 to 8.0 mils DFT.

G. Grout Coat: Inorganic hybrid water-based epoxy.
   1. Product: Tnemec Series 27WB.
   2. Thickness: 4.0 to 6.0 mils DFT.

H. Finish Coat:
   1. Product: Tnemec Series 290 CRU or 294 Clear CRU.
   2. Thickness: 2.0 to 3.0 mils DFT.

2.4 ACCESSORIES

A. Patching and Fill Material: Resinous product of or approved by resinous flooring manufacturer and recommended by manufacturer for application indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Maximum Moisture Content of Substrates: When measured with an electronic moisture as follows:
   1. Concrete: 12 percent.
   2. CMU: 12 percent.
   3. Gypsum Board: 12 percent.

3.2 PREPARATION

A. General: Prepare and clean substrates according to resinous system manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.

B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.

C. CMU Substrates: Provide clean and dry surfaces. Remove efflorescence and chalk. Clean surfaces per SSPC SP-13 to provide acceptable surface profile for coating.

D. Resinous Materials: Mix components and prepare materials according to resinous system manufacturer's written instructions.

E. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.

F. Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.

3.3 APPLICATION

A. General: Apply components of resinous systems according to manufacturer's written instructions to produce a uniform, monolithic surface of thickness indicated.
   1. Coordinate application of components to provide optimum adhesion of resinous system to substrate, and optimum intercoat adhesion.
   2. Cure resinous components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
   3. At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.

B. Broadcast aggregates at rate recommended by manufacturer and, after resin is cured, remove excess aggregates to provide surface texture indicated.

3.4 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage a qualified testing agency to inspect and test coatings for dry film thickness.

B. Contractor to touch up and restore coated surfaces damaged by testing.

C. If test results show that dry film thickness of applied coating does not comply with coating manufacturer's written recommendations, Contractor to pay for testing and apply additional coats as needed to provide dry film thickness that complies with coating manufacturer's written recommendations.

3.5 PROTECTION

A. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

END OF SECTION 096723

SECTION 099100 - PAINTING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes surface preparation and the application of paint systems on substrates.

1.2 SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

B. Samples: For each type of paint system and in each color and gloss of topcoat.

C. Product List: For each product specified.

1.3 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply paints in rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design: Provide paint products and systems by Benjamin Moore. Other acceptable manufacturers:
   1. Florida Paint.
   2. PPG Paints.
   3. Sherwin-Williams Company.

2.2 PAINT, GENERAL

A. Material Compatibility:
   1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
   2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

B. Colors: As scheduled or selected by Architect.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

B. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

C. Proceed with coating application only after unsatisfactory conditions have been corrected.
   1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates indicated.

B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
   1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.

D. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.

E. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer. Retain "Shop-Primed Steel Substrates" Paragraph below if primers are shop applied and are not removed in the field.

F. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

G. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.

3.3 APPLICATION

A. Apply paints according to manufacturer's written instructions and pertinent NPCA recommendations.
   1. Use applicators and techniques suited for paint and substrate indicated.
   2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed
      equipment or furniture with prime coat only.
   3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
   4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
   5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.

B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 PAINTING SCHEDULE

A. Exterior Fiber Cement Siding:
   1. Primer: Moore's Moorcraft Primer/Sealer #253.
   2. 1st and 2nd Finish Coats: Moorlastic Acrylic Elastomeric Waterproof Coating #055.

B. Exterior Wood: No paint required for exposed pressure-treated faming members.

C. Exterior Ferrous Metal:
   1. Primer: Moore's Alkyd Metal Primer #M06.
   2. 1st and 2nd Finish Coats: Moore's Urethane Alkyd Enamel #M22.

D. Interior Wood, Stained/Clear Finish:
   1. Filler: Apply to close wood grain and produce smooth finish to the touch.
   2. Stain: :Benwood Penetrating Stain #234.
   3. 1st and 2nd Finish Coats: Benwood Polyurethane Finish Low Lustre #435.

E. Interior Wood, Opaque Finish:
   1. Primer: Moorcraft Alkyd Enamel Underbody & Primer Sealer #245.
   2. 1st and 2nd Finish Coats: Moorcraft Alkyd Semi-Gloss Enamel #271.

F. Interior Gypsum Board:
   1. Preparation: USG Sheetrock Brand First Coat.
   2. Primer: Moore's Moorcraft Primer/Sealer #253.
   3. 1st and 2nd Finish Coats: Moorcraft Latex Eggshell :Enamel #274.

G. Interior Galvanized Metal: Acrylic latex coating system.
   1. Primer: Moore's Acrylic Metal Primer #M04.
   2. 1st and 2nd Finish Coats: Moorcraft Alkyd Semi-Gloss Enamel #112.

H. Interior Ferrous Metal:
   1. Primer: Moore's Alkyd Metal Primer #M06.
   2. 1st and 2nd Finish Coats: Moorcraft Alkyd Semi-Gloss Enamel #271.

END OF SECTION 099100

SECTION 102113 - TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Solid-polymer toilet compartments configured as toilet enclosures.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: For toilet compartments. Include plans, elevations, sections, details, and attachments to other work.

C. Samples for each exposed product and for each color and texture specified.

D. Maintenance data.

1.3 QUALITY ASSURANCE

A. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E84, or another standard acceptable to authorities having jurisdiction, by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
   1. Flame-Spread Index: 25 or less.
   2. Smoke-Developed Index: 450 or less.

B. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities" for toilet compartments designated as accessible.

PART 2 - PRODUCTS

2.1 SOLID-POLYMER UNITS

A. Manufacturers: Provide products by one of the following:
   1. Accurate Partitions Corporation.
   2. Bradley Corporation; Mills Partitions.
   3. Metpar Corp.
   4. Sanymetal; a Crane Plumbing company.
   5. Scranton Products.

B. Toilet-Enclosure Style: Overhead braced.

C. Door, Panel, and Pilaster Construction: Solid, high-density polyethylene (HDPE) panel material, not less than 1 inch thick, seamless, with eased edges, and with homogenous color and pattern throughout thickness of material.
   1. Integral Hinges: Configure doors and pilasters to receive integral hinges.
   2. Heat-Sink Strip: Manufacturer's standard continuous, extruded-aluminum or stainless-steel strip fastened to exposed bottom edges of solid-polymer components to prevent burning.
   3. Polymer Panel Finish: One color and pattern in each room.
      a. Color and Pattern: As selected by Architect from manufacturer's full range.

D. Pilaster Shoes: Manufacturer's standard design; polymer or stainless steel.
   1. Polymer Color and Pattern: Matching pilaster.

E. Brackets (Fittings):
   1. Full-Height (Continuous) Type: Manufacturer's standard design; polymer or stainless steel.
      a. Polymer Color and Pattern: Matching panel.

2.2 ACCESSORIES

A. Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories.
   1. Material: Stainless steel.
   2. Hinges: Manufacturer's standard paired, self-closing type that can be adjusted to hold doors open at any angle up to 90 degrees.
   3. Latch and Keeper: Manufacturer's standard surface-mounted latch unit designed for emergency access and with combination rubber-faced door strike and keeper. Provide units that comply with regulatory requirements for accessibility at compartments designated as accessible.
   4. Coat Hook: Manufacturer's standard combination hook and rubber-tipped bumper, sized to prevent in-swinging door from hitting compartment-mounted accessories.
   5. Door Bumper: Manufacturer's standard rubber-tipped bumper at out-swinging doors.
   6. Door Pull: Manufacturer's standard unit at out-swinging doors that complies with regulatory requirements for accessibility. Provide units on both sides of doors at compartments designated as accessible.

B. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.

C. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match the items they are securing, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless steel, hot-dip galvanized steel, or other rust-resistant, protective-coated steel.

2.3 FABRICATION

A. Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters to suit floor conditions. Provide shoes at pilasters to conceal supports and leveling mechanism.

B. Door Size and Swings: Unless otherwise indicated, provide 24-inch wide, in-swinging doors for standard toilet compartments and 36-inch wide, out-swinging doors with a minimum 32-inch wide, clear opening for compartments designated as accessible.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.

B. Clearances: Maximum 1/2 inch between pilasters and panels; 1 inch between panels and walls.

3.2 ADJUSTING

A. Hardware Adjustment: Adjust and lubricate hardware according to hardware manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

END OF SECTION 102113

SECTION 102813 - TOILET ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes toilet accessories indicated on Drawings.

1.2 WARRANTY

A. Special Mirror Warranty: 15 years against silver spoilage.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Stainless Steel: ASTM A666, Type 304, 0.031-inch minimum nominal thickness unless otherwise indicated.

B. Mirrors: ASTM C1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick.

2.2 TOILET ACCESSORIES

A. Toilet Accessory Products: As scheduled on Drawings.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Grab Bars: Install to withstand a downward load of at least 250 lbf when tested according to ASTM F446.

END OF SECTION 102813

SECTION 123661 - SIMULATED STONE COUNTERTOPS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Quartz agglomerate countertops and backsplashes.

1.2 SUBMITTALS

A. Product Data: For countertop materials.

B. Shop Drawings: For countertops. Show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.

C. Samples: For each type of material exposed to view.

PART 2 - PRODUCTS

2.1 QUARTZ AGGLOMERATE COUNTERTOPS

A. Configuration: Provide countertops with the following front and backsplash style:
   1. Front: Straight, slightly eased at top.
   2. Backsplash: Straight, slightly eased at corner.
   3. Endsplash: Matching backsplash.

B. Countertops: 3/4-inch thick, quartz agglomerate.

C. Backsplashes: 3/4-inch thick, quartz agglomerate.

2.2 COUNTERTOP MATERIALS

A. Plywood: Exterior softwood plywood complying with DOC PS 1, Grade C-C Plugged, touch sanded.

B. Quartz Agglomerate: Solid sheets consisting of quartz aggregates bound together with a matrix of filled plastic resin and complying with the "Physical Characteristics of Materials" Article of ANSI SS1.
   1. Basis of Design Manufacturer: Silestone.
   2. Colors and Patterns: As scheduled on Drawings.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Fasten countertops by screwing through corner blocks of base units into underside of countertop. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.

END OF SECTION 123661

SECTION 313116 - TERMITE CONTROL

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes soil treatment with termiticide.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated. Include the EPA-Registered Label for termiticide products.

B. Product certificates.

C. Soil Treatment Application Report: Include the following:
   1. Date and time of application.
   2. Moisture content of soil before application.
   3. Termiticide brand name and manufacturer.
   4. Quantity of undiluted termiticide used.
   5. Dilutions, methods, volumes used, and rates of application.
   6. Areas of application.
   7. Water source for application.

D. Warranties: Sample of special warranties.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: A specialist who is licensed according to regulations of authorities having jurisdiction to apply termite control treatment and products in jurisdiction where Project is located and who employs workers trained and approved by manufacturer to install manufacturer's products.

B. Regulatory Requirements: Formulate and apply termiticides and termiticide devices according to the EPA-Registered Label.

1.4 PROJECT CONDITIONS

A. Environmental Limitations: To ensure penetration, do not treat soil that is water saturated or frozen. Do not treat soil while precipitation is occurring. Comply with requirements of the EPA-Registered Label and requirements of authorities having jurisdiction.

B. Coordinate soil treatment application with excavating, filling, grading, and concreting operations. Treat soil under footings, grade beams, and ground-supported slabs before construction.

1.5 WARRANTY

A. Soil Treatment Special Warranty: Manufacturer's standard form, signed by Applicator and Contractor, certifying that termite control work, consisting of applied soil termiticide treatment, will prevent infestation of subterranean termites. If subterranean termite activity or damage is discovered during warranty period, re-treat soil and repair or replace damage caused by termite infestation.
   1. Warranty Period: Five years from date of Substantial Completion.

1.6 MAINTENANCE SERVICE

A. Continuing Service: Beginning at Substantial Completion, provide 12 months' continuing service including monitoring, inspection, and re-treatment for occurrences of termite activity. Provide a standard continuing service agreement. State services, obligations, conditions, terms for agreement period, and terms for future renewal options.

PART 2 - PRODUCTS

2.1 SOIL TREATMENT

A. Termiticide: Provide an EPA-Registered termiticide, complying with requirements of authorities having jurisdiction. Provide quantity required for application at the label volume and rate for the maximum termiticide concentration allowed for each specific use, according to product's EPA-Registered Label.
   1. Service Life of Treatment: Soil treatment termiticide that is effective for not less than five years against infestation of subterranean termites.

PART 3 - EXECUTION

3.1 APPLICATION, GENERAL

A. General: Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's EPA-Registered Label for products.

3.2 APPLYING SOIL TREATMENT

A. Soil Treatment Preparation: Remove foreign matter and impermeable soil materials that could decrease treatment effectiveness on areas to be treated. Loosen, rake, and level soil to be treated except previously compacted areas under slabs and footings. Termiticides may be applied before placing compacted fill under slabs if recommended in writing by termiticide manufacturer.

B. Application: Mix soil treatment termiticide solution to a uniform consistency. Provide quantity required for application at the label volume and rate for the maximum specified concentration of termiticide, according to manufacturer's EPA-Registered Label, to the following so that a continuous horizontal and vertical termiticidal barrier or treated zone is established around and under building construction. Distribute treatment evenly.

C. Avoid disturbance of treated soil after application. Keep off treated areas until completely dry.

D. Protect termiticide solution, dispersed in treated soils and fills, from being diluted until ground-supported slabs are installed. Use waterproof barrier according to EPA-Registered Label instructions.

E. Post warning signs in areas of application.

F. Reapply soil treatment solution to areas disturbed by subsequent excavation, grading, landscaping, or other construction activities following application.

END OF SECTION 313116

Stokes Architectural Inc.

Stokes Architectural, Inc.
Architecture • Master Planning • Interior Design
204 Cloverdale Boulevard
Fort Walton Beach, Florida 32547
Phone: (850) 664-2220 Fax: (850) 664-6943
FL Corp License #: AAC001725

PROFESSIONAL SEAL
STATE OF FLORIDA
CHRISTOPHER GOODMASTER
AR96630
REGISTERED ARCHITECT
AR0096630

Nature Center at Kellogg Park - Walton County

East Nursery Road
Santa Rosa Beach, Florida 32459

DRAWN BY: CG	CHECKED BY: CG
APPROVED BY:	
REVISIONS:	

SHEET TITLE: SPECIFIATIONS

DATE: 8/30/2024 FILE: 21011

DRAWING NUMBER: A-502

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