

**CITY OF NAPLES
PURCHASING DIVISION
735 8TH STREET SOUTH
NAPLES, FL 34102
PH: 239-213-7100 FX: 239-213-7105**

ADDENDUM NUMBER 10

NOTIFICATION DATE:	SOLICITATION TITLE:	SOLICITATION NUMBER:	BID OPENING DATE & TIME:
05/15/2024	Naples Pier Reconstruction - ITB	24-011	5/30/2024 2:00PM

**THE FOLLOWING INFORMATION IS HEREBY INCORPORATED INTO,
AND MADE AN OFFICIAL PART OF THE ABOVE REFERENCED BID.**

The following clarifications are issued as an addendum identifying the following changes for the referenced solicitation.

- 1. Please find Attachment A: PLAN SET REPLACEMENT. The following 122 pages replace all pages of the original plan set.**
- 2. Please find Attachment B: REVISED STATEMENT OF VALUES FORM. The Form replaced in its entirety all previously published Statement of Values Forms.**
THE REVISED STATEMENT OF VALUES FORM (ATTACHMENT B) MUST BE USED BY BIDDERS OR THE BID WILL BE REJECTED.

These changes were a result of requirements to raise the elevation of the concession building floor and include:

1. New concrete slab and floor assembly structure for Concessions, Concessions Stor, and Pier Stor.
2. New separation wall between Concessions Stor/Pier Stor and Men's Restroom.
3. Floor elevation change at Concessions and Concessions Storage.
4. New extended deck with ramp, stair, and platform with new required framing, guardrails, and handrails for Concessions Order/Waiting.
5. New flood vents at Pier Storage.
6. Reconfigured food service layout to accommodate new ramp/stair entry.
7. New columns between Women's Restroom and Showers.
8. Mop sink from Pier Storage moved to utility area of Women's Restroom; new water heater added.

9. New picnic tables to also include ADA seating.
10. Revised beam heights for Concessions/Concessions Storage/Pier Storage and their dormers.
11. Clarification to Basis of Design for Cedar Shake Shingle Roof System.
12. Revised ceiling type and lighting type in Pier Storage.
13. Kawneer Storefront at Concessions has been revised to IR501T. New ED5 door type. Revised W1 window assembly, W2 and W3 jamb conditions.
14. Basis of Design for Hollow Metal Doors is clarified to Daybar HD.
15. Flood panels have been eliminated.
16. Revision to bench count at Concessions and total count.
17. Changes to Select Structural structural drawings from new concrete slab and floor assembly at Concessions, Concessions Storage, and Pier Storage; new separation wall between Concessions Stor/Pier Stor and Men's Restroom; new columns at Women's Restroom/Showers; revised beam heights at Concessions, Concessions Storage, and Pier Storage and their dormers.
18. Changes to NPS Plumbing, Mechanical, and Electric from reconfigured food service layout, move of mop sink, additional water heater, larger grease interceptor with new location, coordination with Qualus drawings.
19. Changes to THA plans showing cantilevered deck area.
20. Changes to Osborn plans showing two cantilevered bents to support extended deck area.

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C101	EXISTING BATHYMETRY
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C103	ADDITIONAL ACCESS AND STAGING
C104	PERMITTED TEMPORARY WORK
C105	DEMOLITION PLAN
C106	MULTIBEAM SURVEY
C107	ARTIFICIAL REEF SITES
C108	OVERALL PIER PLAN
C109	OVERALL PIER DIMENSIONS
C110	PIER PLAN (AA)
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C114	MID PAVILION FRAMING DETAIL
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LS.104	ADA RAILING PLAN
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A.011	NOT USED
A.012	END PAVILION SECTIONS
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S.5.1	DETAILS
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2

NAPLES PIER

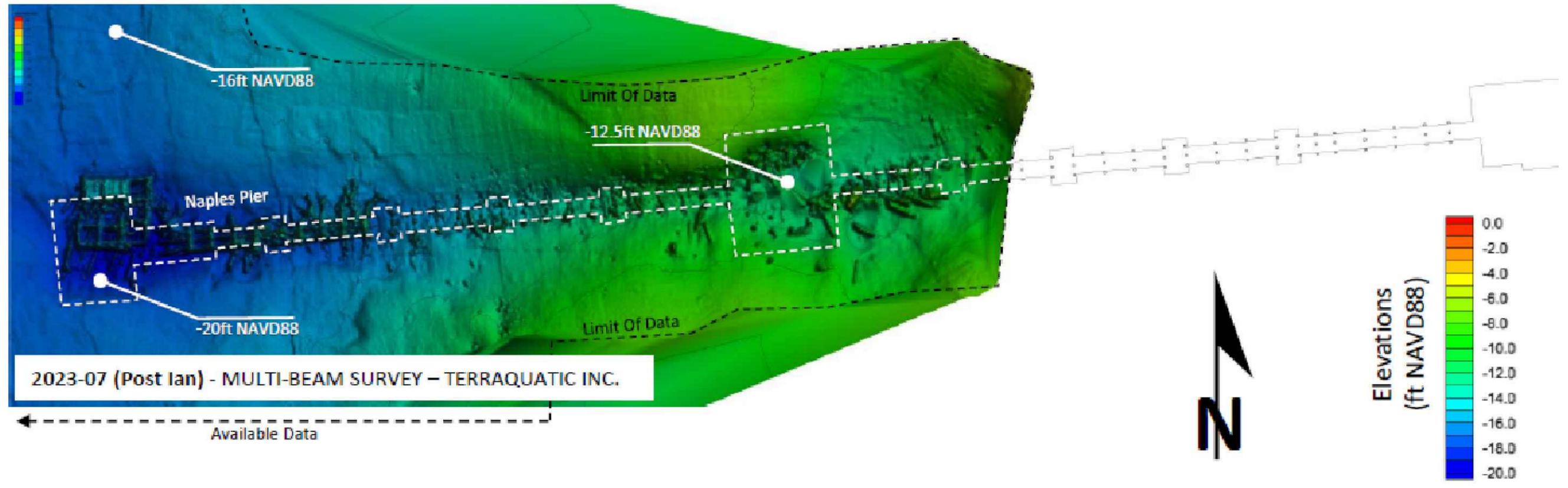
TABLES OF CONTENTS



TURRELL, HALL & ASSOCIATES, INC.
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 e-mail: tturna@thnaples.com
 RY NO. 5875

DRAWN BY: RMJ	CHECKED BY: THH	PROJECT: 1550.6	DATE: 03-07-24	SHEET: G101	TABLES OF CONTENTS
REVIEWED BY: TTT		DATE: 03/07/24		UPDATED TO: 0	
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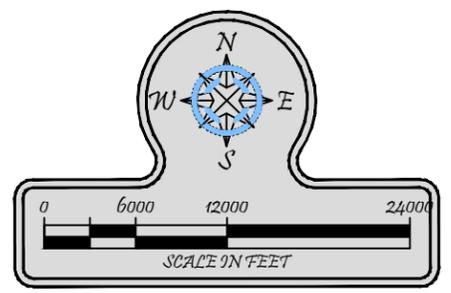
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NAPLES PIER MULTIBEAM SURVEY

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CHECKED BY:	THH	PROJECT:	1550.6	01	-	-	-	-
DATE:	03-07-24	SHEET:	C106	02	-	-	-	-
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TOD SIROD REEF (C1)
26°07.798'N, 82°02.310'W
APPROX 14.5 MILES FROM PIER

JACKSON'S FISH CAMP
MEMORIAL REEF (C2)
26°03.709'N, 82°03.405'W
APPROX 16 MILES FROM PIER

FOOTE FAMILY REEF (N2)
26°01.250'N, 82°06.548'W
APPROX 20 MILES FROM PIER

WASMER REEF (N1)
26°01.939'N, 81°58.547'W
APPROX 12.5 MILES FROM PIER

ROONEY REEF (M2)
25°54.230'N, 82°14.460'W
APPROX 31 MILES FROM PIER

MARCO REEF #1
25°41.740'N, 81°46.860'W
APPROX 18 MILES FROM PIER

NAPLES PIER LOCATION

NAPLES

MARCO ISLAND

GULF OF MEXICO

14.5 MI

16 MI

20 MI

12.5 MI

31 MI

18 MI

ESTIMATED REEF TONNAGE: 2000 TONS

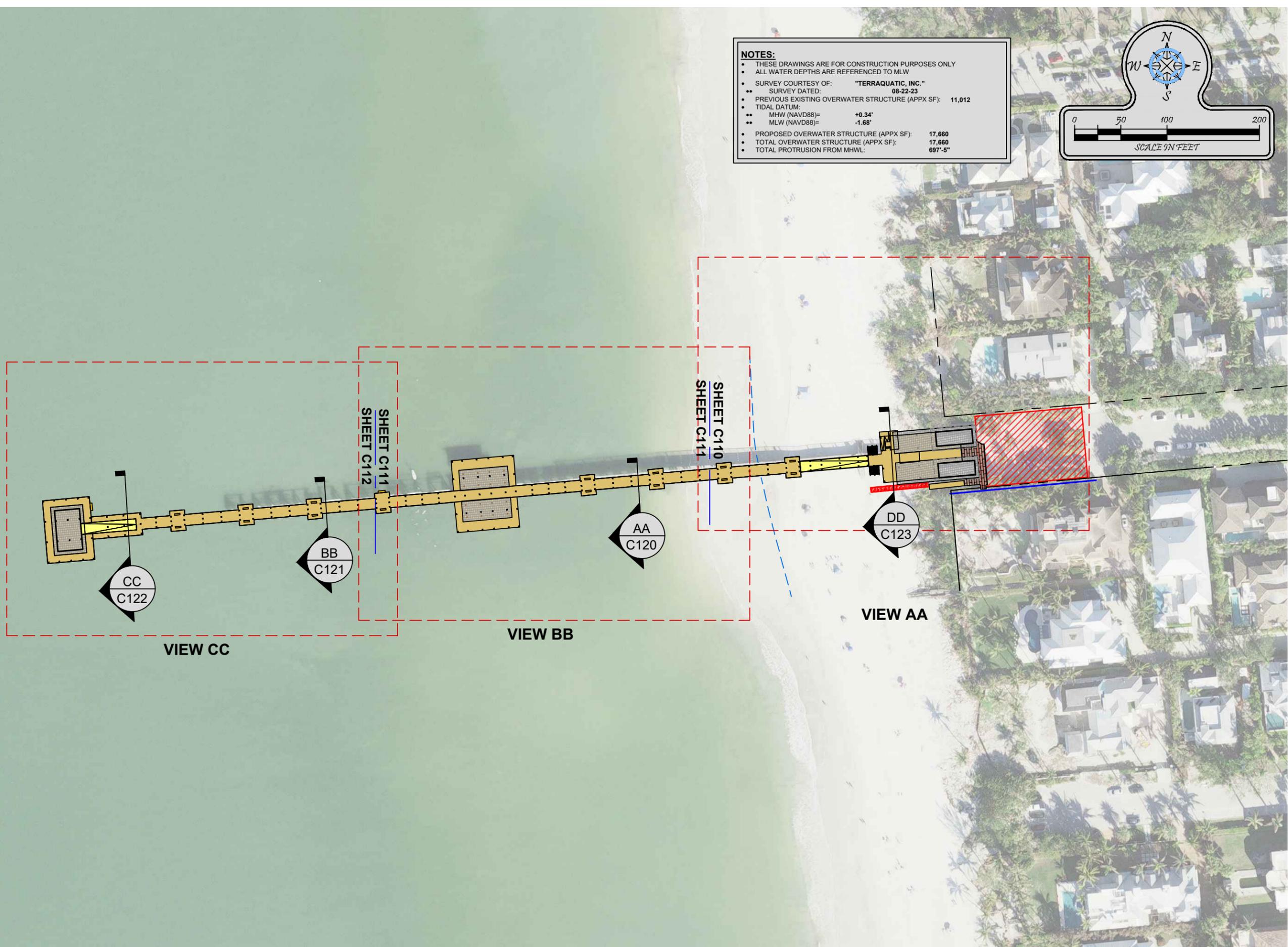
NOTES:
- REEFS SHOWN MAY OR MAY NOT BE USED. OTHER REEF SITES (IF AVAILABLE) WILL VARY IN DISTANCE
- CONTRACTOR TO PROVIDE PRICE PER TON PER MILE ROUND TRIP FROM PIER TO DISPOSAL SITE ON AN APPROVED ARTIFICIAL REEF (POSSIBLE SITES SHOWN). ANY ASIAN GREEN MUSSELS ENCOUNTERED WILL BE BURNED OFF THE CONCRETE.

NAPLES PIER ARTIFICIAL REEF SITES

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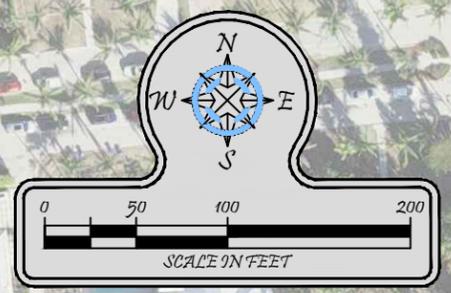
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NOTES:

- THESE DRAWINGS ARE FOR CONSTRUCTION PURPOSES ONLY
- ALL WATER DEPTHS ARE REFERENCED TO MLW
- SURVEY COURTESY OF: "TERRAQUATIC, INC."
- SURVEY DATED: 08-22-23
- PREVIOUS EXISTING OVERWATER STRUCTURE (APPX SF): 11,012
- TIDAL DATUM:
 - MHW (NAVD88)= +0.34'
 - MLW (NAVD88)= -1.68'
- PROPOSED OVERWATER STRUCTURE (APPX SF): 17,660
- TOTAL OVERWATER STRUCTURE (APPX SF): 17,660
- TOTAL PROTRUSION FROM MHWL: 697'-5"

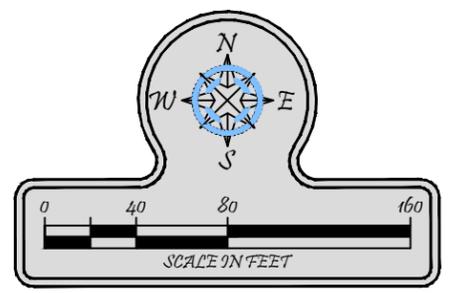
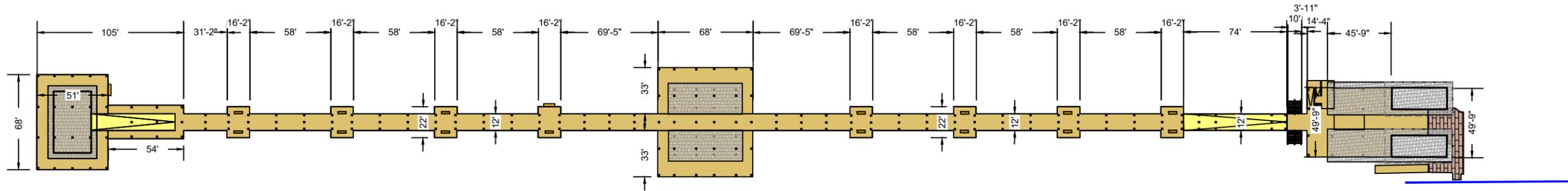


NAPLES PIER OVERALL PIER PLAN

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DESIGNED BY:	RMJ	PERMITTED BY:	TTT	REVIEW BY:	TTT	DATE:	03-07-24
CHECKED BY:	TH	PROJECT:	1550.6	DATE:	03-07-24	DATE:	03-07-24
PROJECT:		1550.6		DATE:		03-07-24	
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LAYOUT:		OVERALL PIER PLAN		DATE:		03-07-24	
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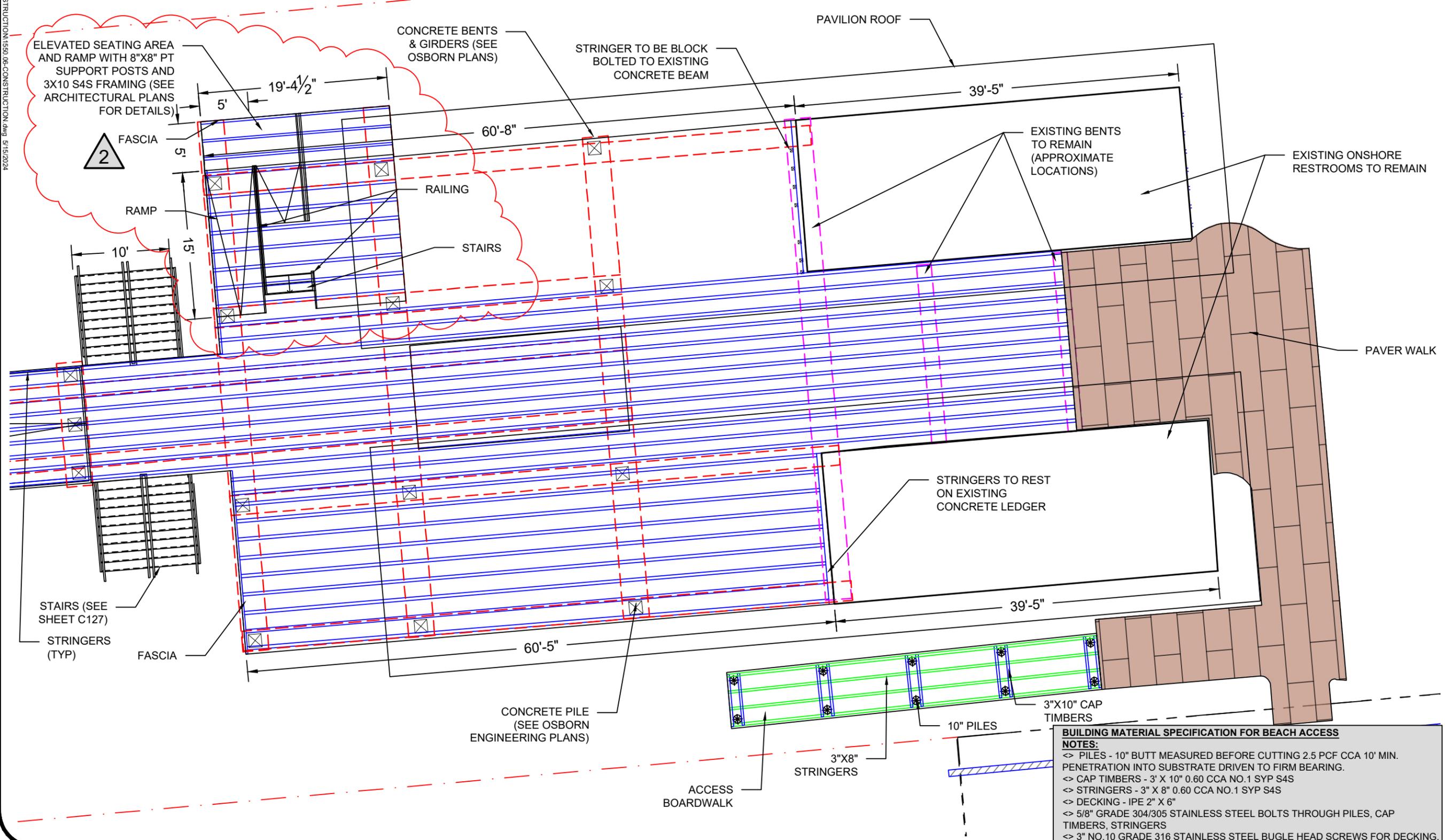
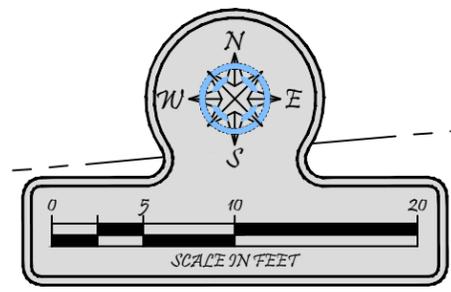
NAPLES PIER

OVERALL PIER DIMENSIONS

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DRAWN BY: RMJ	REVIEWED BY: TTT	REVISIONS:
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DATE: 03-07-24	DATE:	03
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BUILDING MATERIAL SPECIFICATION FOR BEACH ACCESS
NOTES:
 <> PILES - 10" BUTT MEASURED BEFORE CUTTING 2.5 PCF CCA 10' MIN. PENETRATION INTO SUBSTRATE DRIVEN TO FIRM BEARING.
 <> CAP TIMBERS - 3" X 10" 0.60 CCA NO.1 SYP S4S
 <> STRINGERS - 3" X 8" 0.60 CCA NO.1 SYP S4S
 <> DECKING - IPE 2" X 6"
 <> 5/8" GRADE 304/305 STAINLESS STEEL BOLTS THROUGH PILES, CAP TIMBERS, STRINGERS
 <> 3" NO.10 GRADE 316 STAINLESS STEEL BUGLE HEAD SCREWS FOR DECKING.

NAPLES PIER

PIER ACCESS FRAMING DETAIL

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REV	BY	DATE	CHK BY	CHANGED
01	RMJ	08/25/24	TH	ADDED CANTILEVERED AREA
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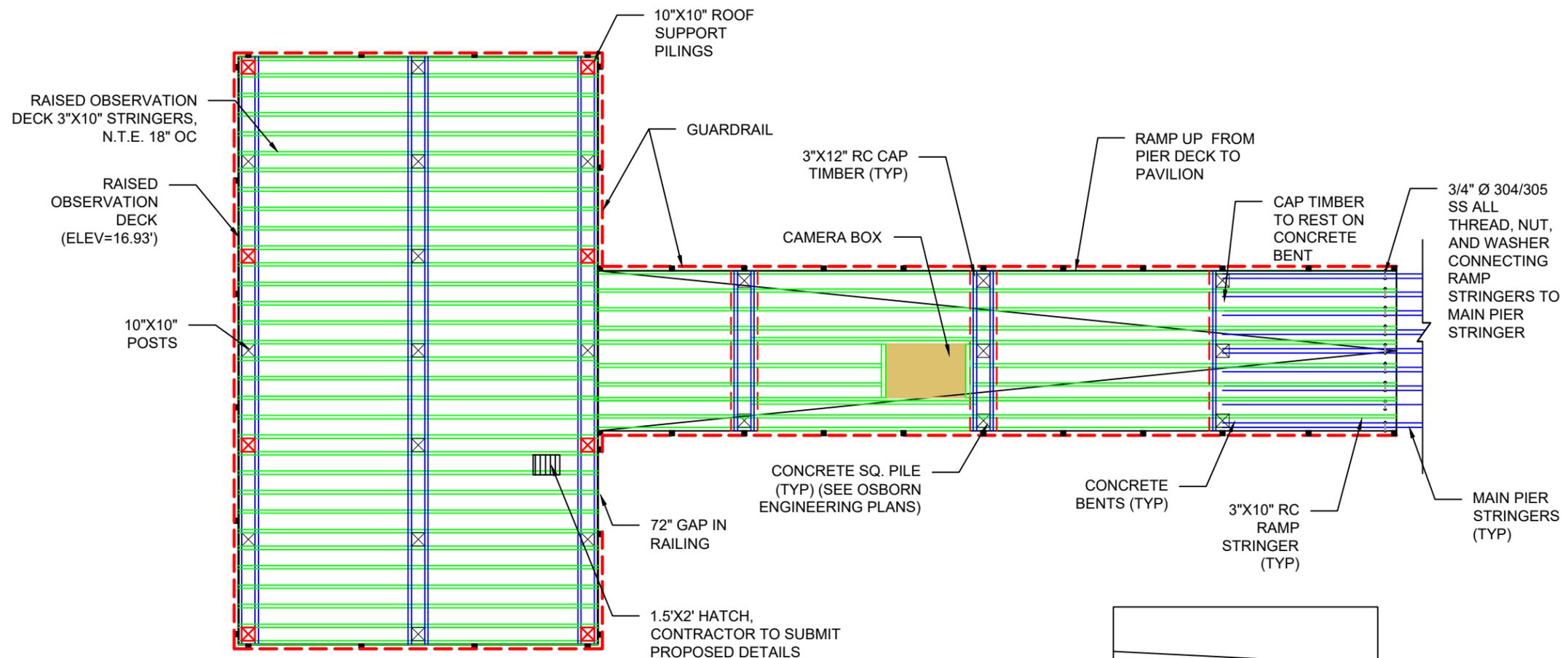
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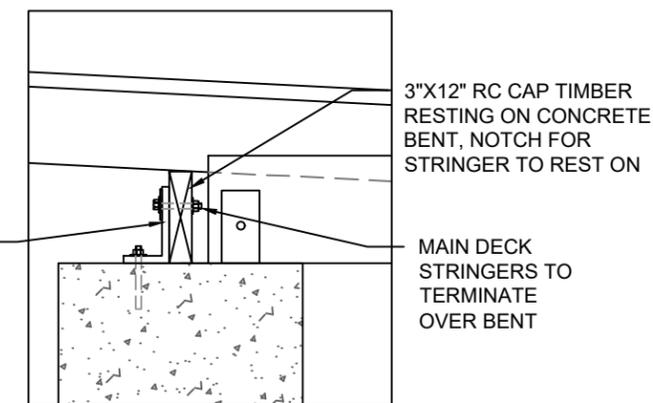
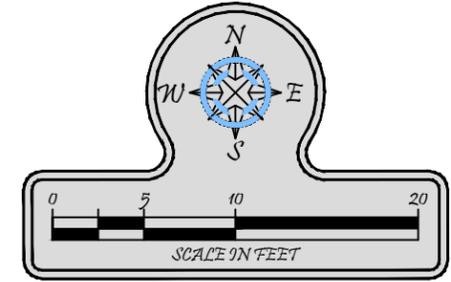
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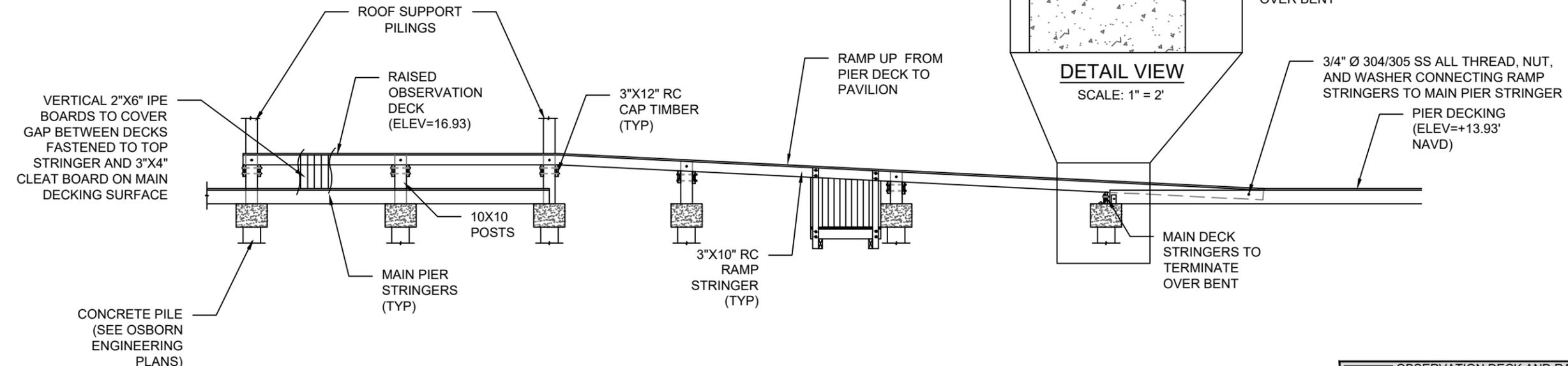
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PLAN VIEW



DETAIL VIEW
SCALE: 1" = 2'



ELEVATION

	OBSERVATION DECK AND RAMP
	GUARDRAIL (LF)

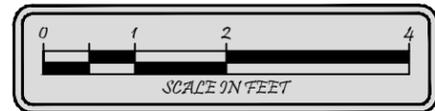
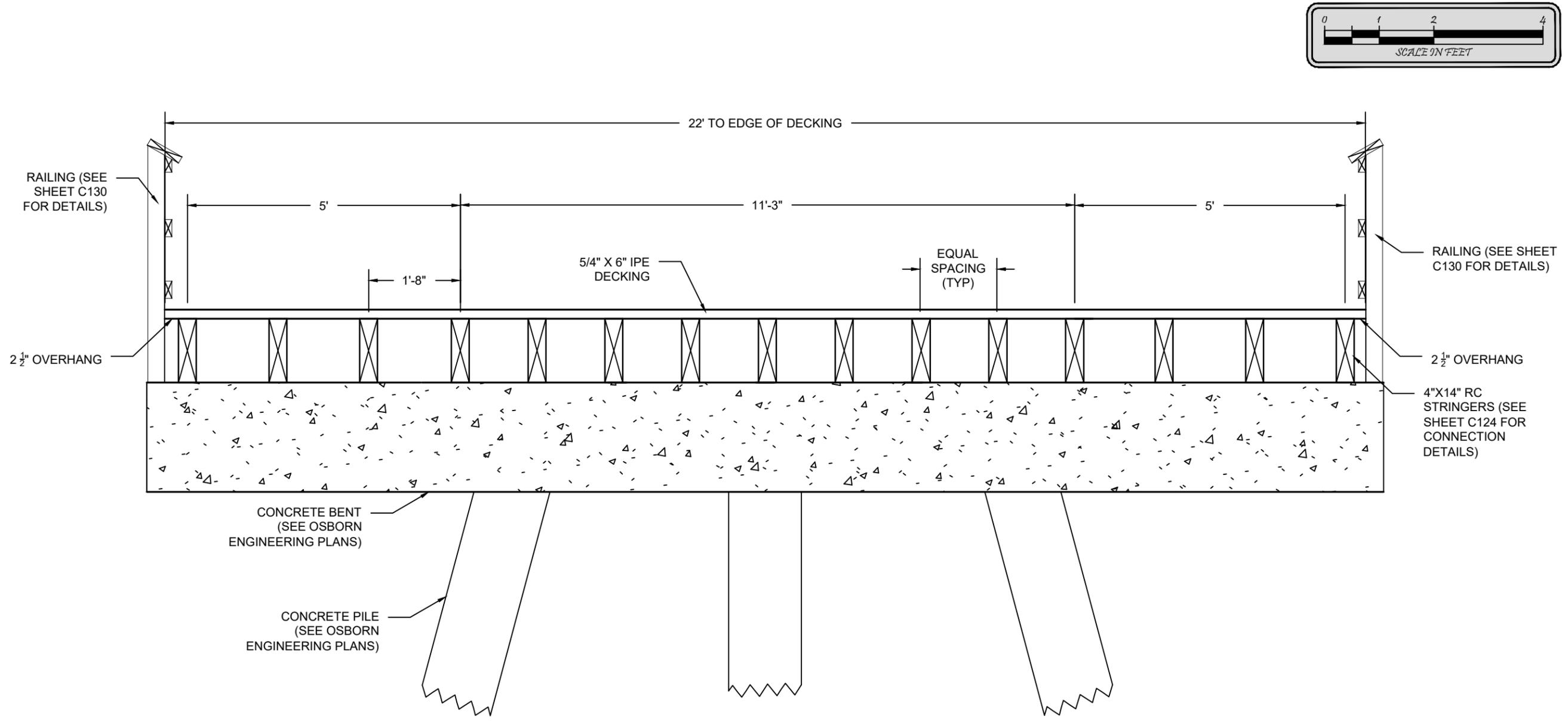
NAPLES PIER

OBSERVATION DECK FRAMING

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NAPLES PIER

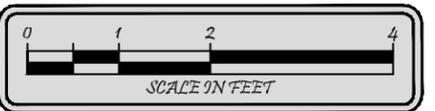
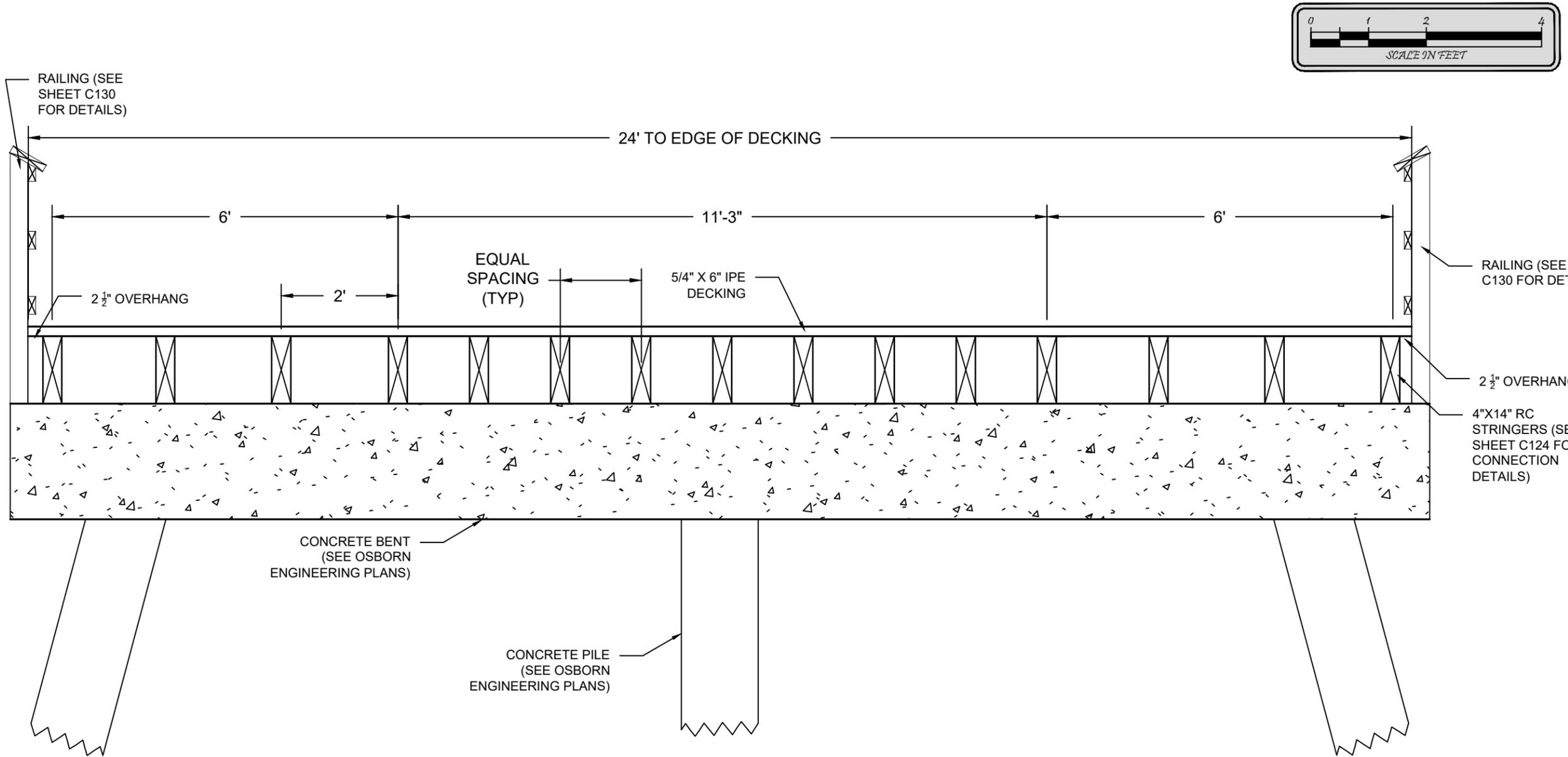
CROSS SECTION BB

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 Marine & Environmental Consulting
 3584 Exchange Ave. Suite B,
 Naples, FL 34104-3732
 Phone: (239) 643-0166 Fax: (239) 643-6632
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 RY NO. 5875

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CHECKED BY: TH	SHEET: C121
PROJECT: 1550.6	
DATE: 03-07-24	
LAYOUT: CROSS SECTION BB	

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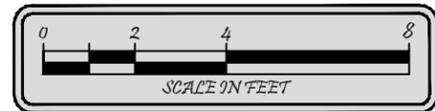
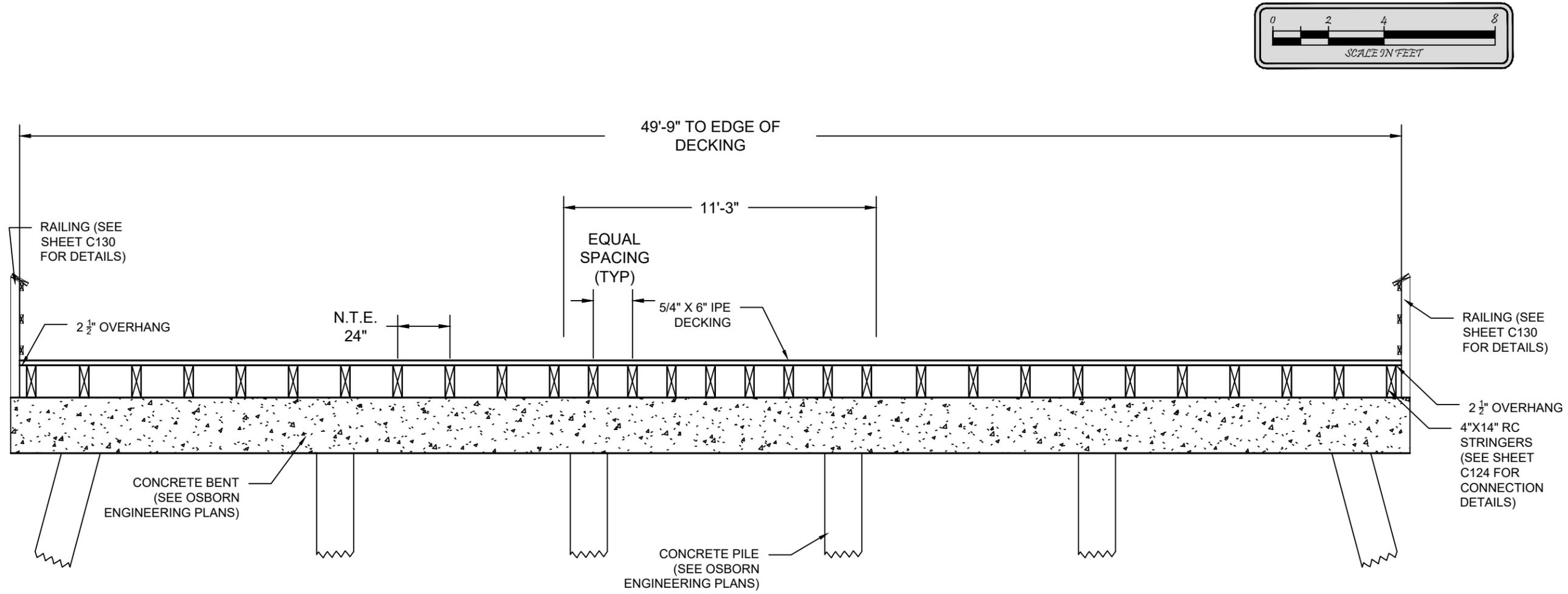
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DRAWN BY: RMJ	REVIEWED BY: TTT	DATE: 03-07-24	PROJECT: 1550.6	SHEET: C122
CHECKED BY: TH				
DATE: 03-07-24				
LAYOUT: CROSS SECTION CC				

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NAPLES PIER

CROSS SECTION DD

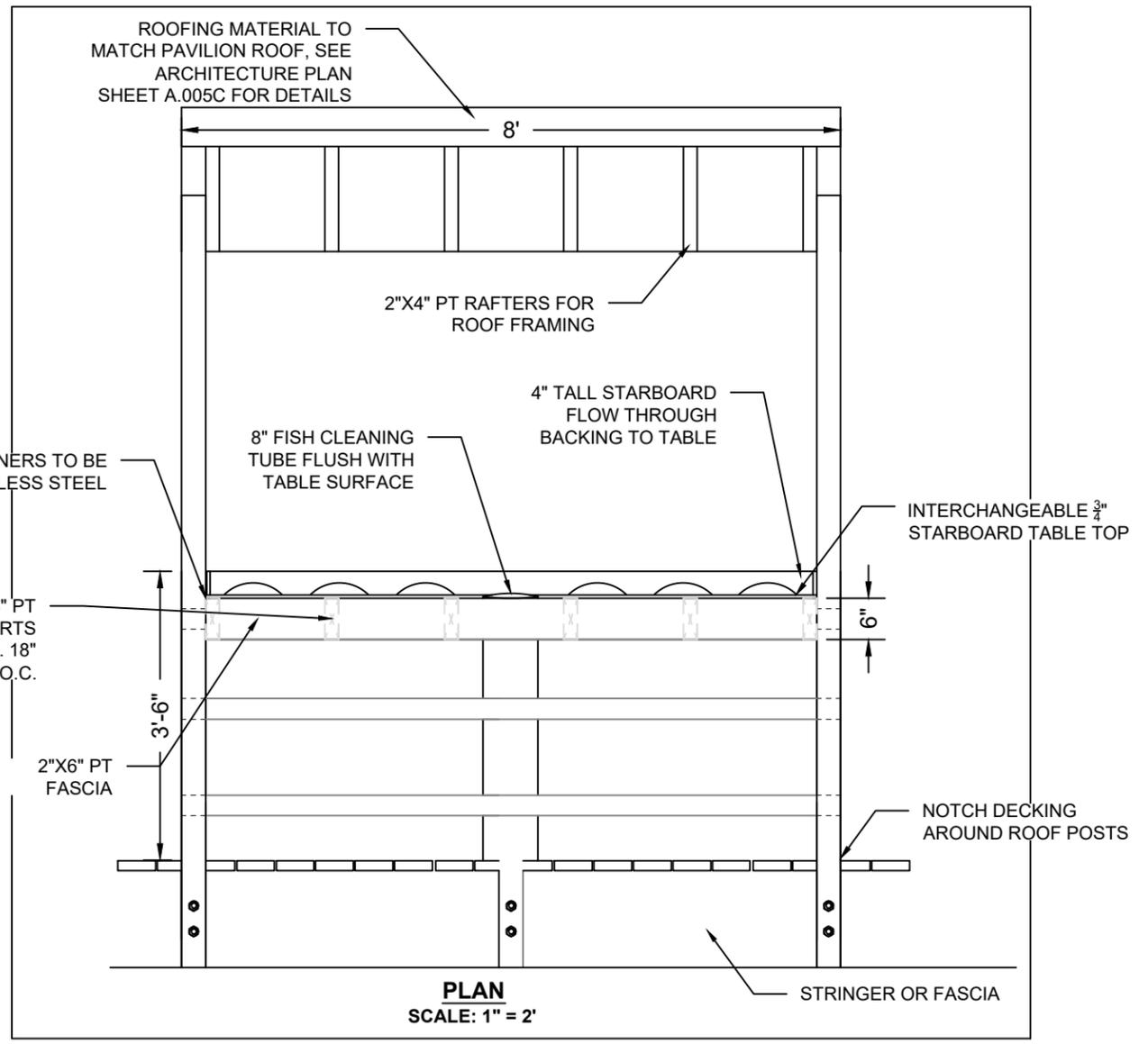
TURRELL, HALL & ASSOCIATES, INC.
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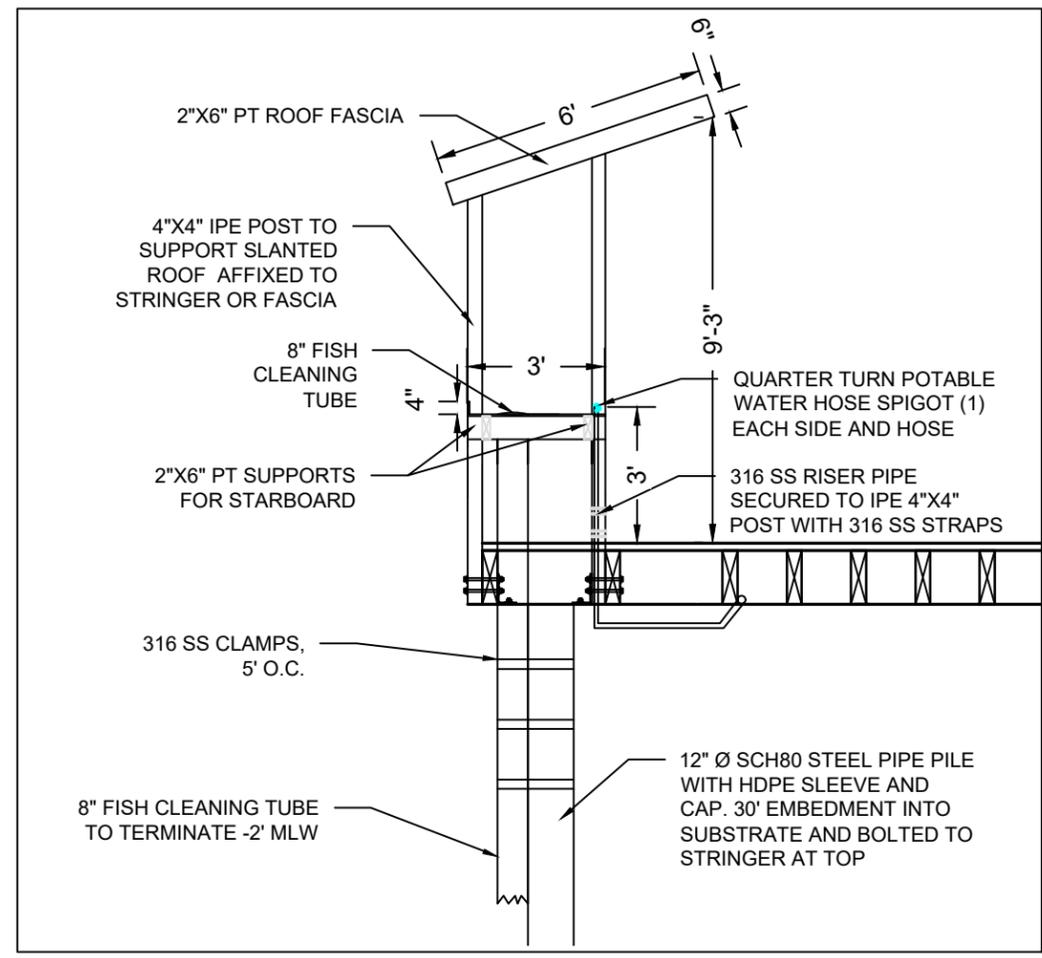
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PROJECT:	1550.6
DATE:	03-07-24
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FISH CLEANING STATION DETAIL



CROSS SECTION
SCALE: 1" = 4'

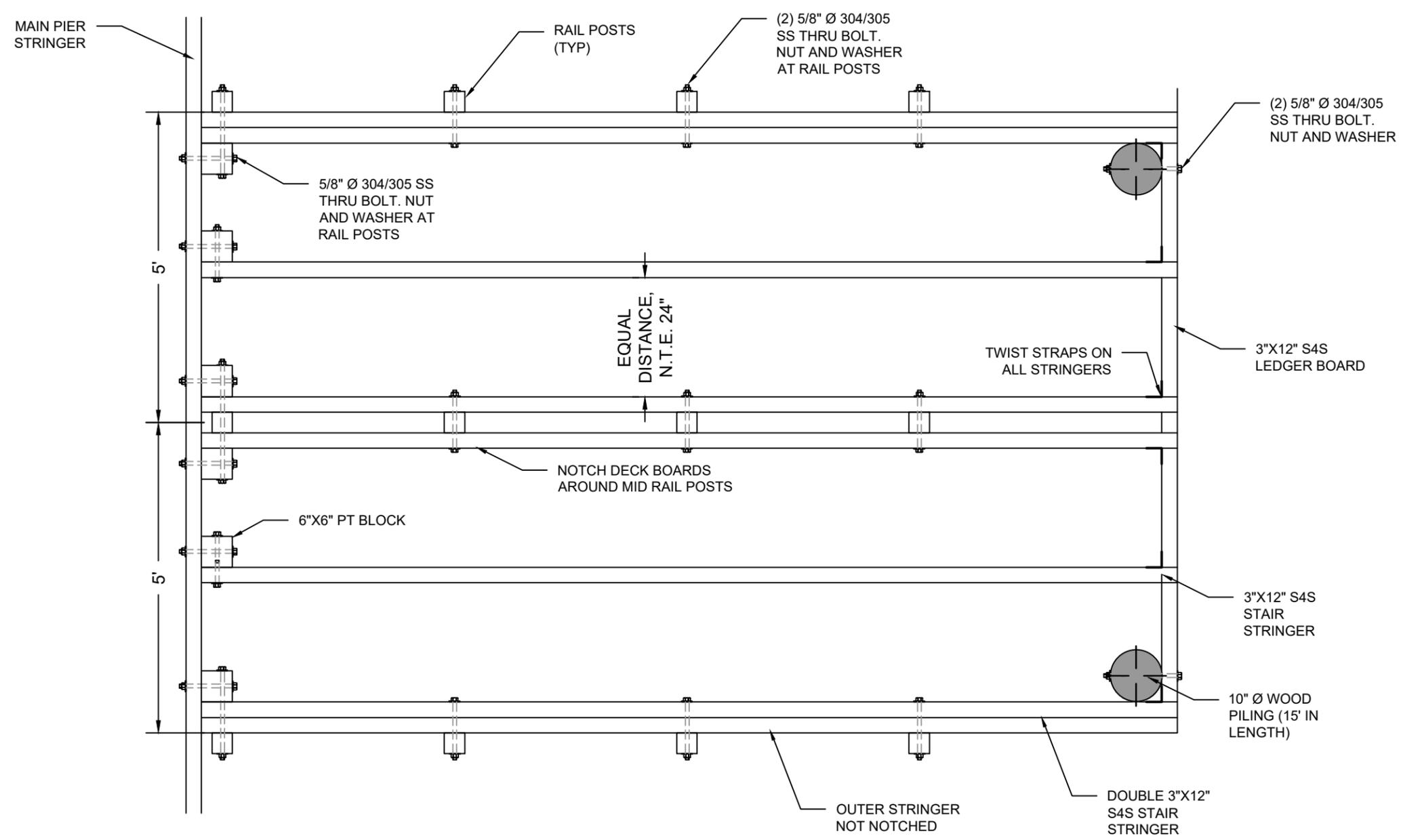
25 12TH AVE S, NAPLES, FL 34102

NAPLES PIER
FISH CLEANING STATION DETAILS

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RY NO. 5875

DESIGNED BY	RMJ	DATE	03-07-24
CHECKED BY	THI	PROJECT	1550.6
REVIEWED BY	TTT	DATE	03-07-24
DATE	03-07-24	SHEET	C126
DATE	03-07-24	LAYOUT	FISH CLEANING STATION DETAILS

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PLAN
SCALE: 1" = 2'

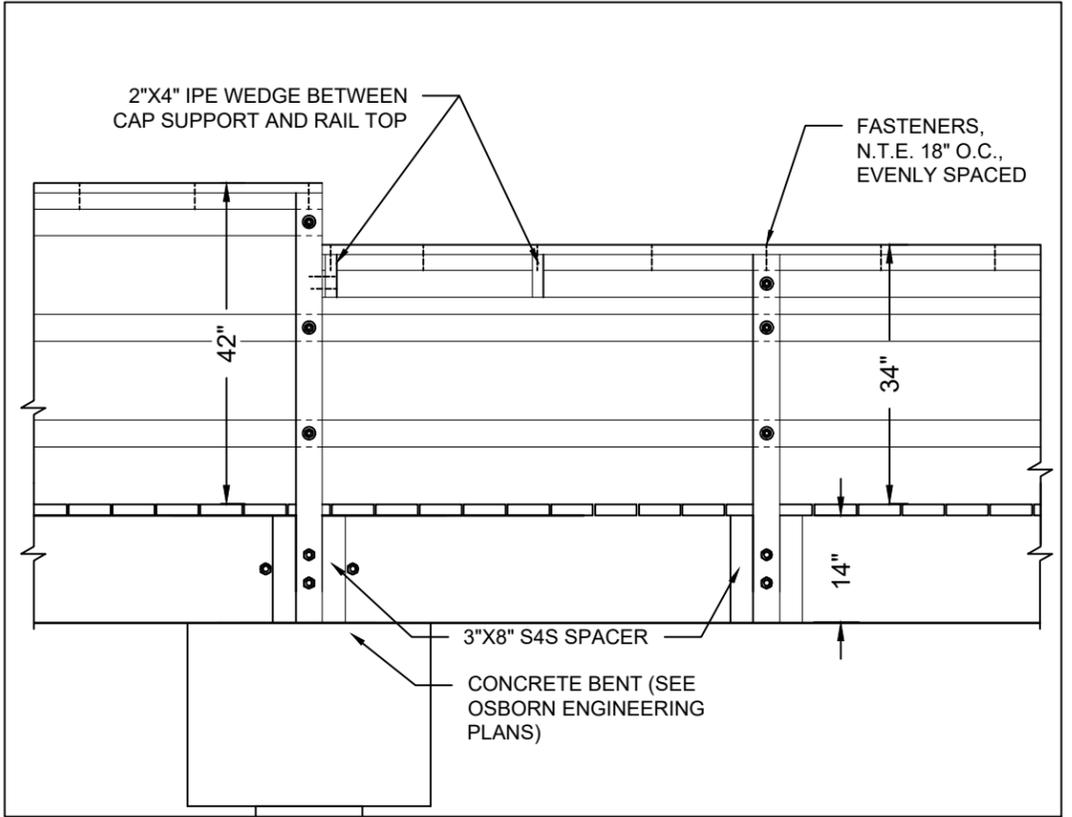
25 12TH AVE S, NAPLES, FL 34102

NAPLES PIER STAIR DETAILS 2

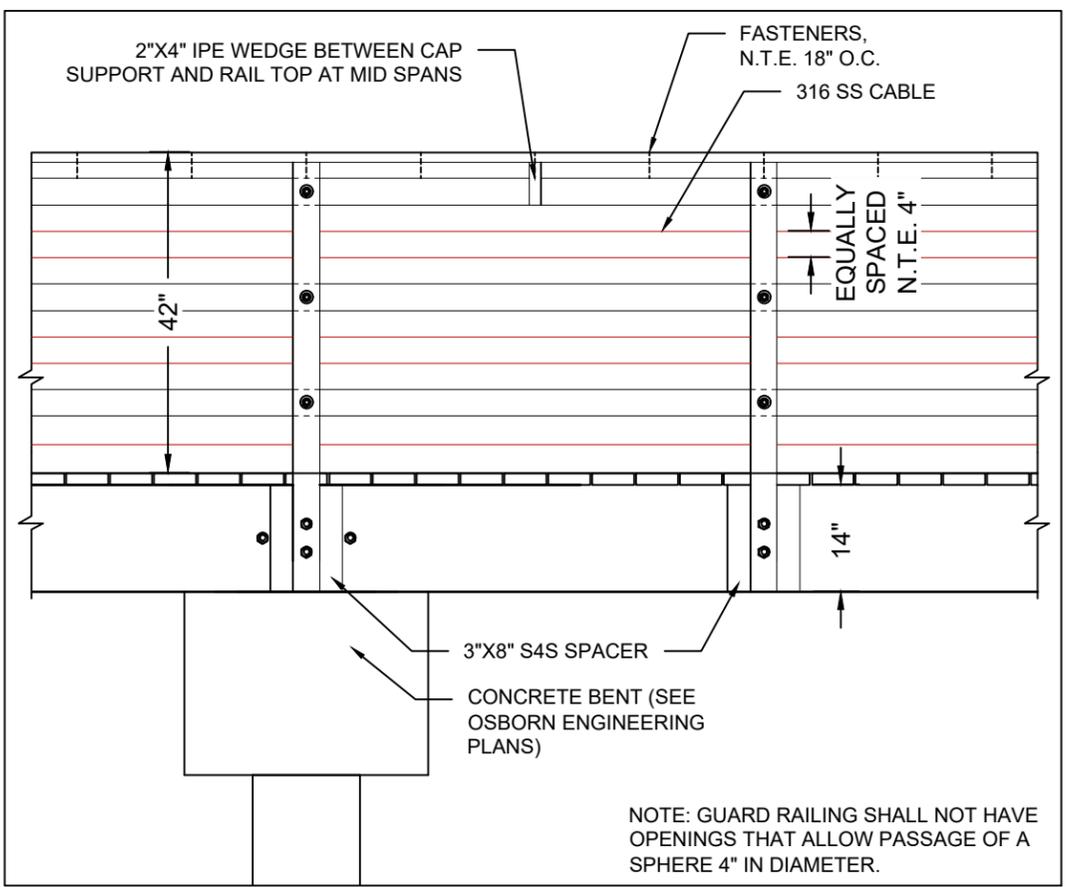
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DRAWN BY: RMJ	REVIEWED BY: TTT	REV #	REV BY	DATE	CHK BY	CHANGED
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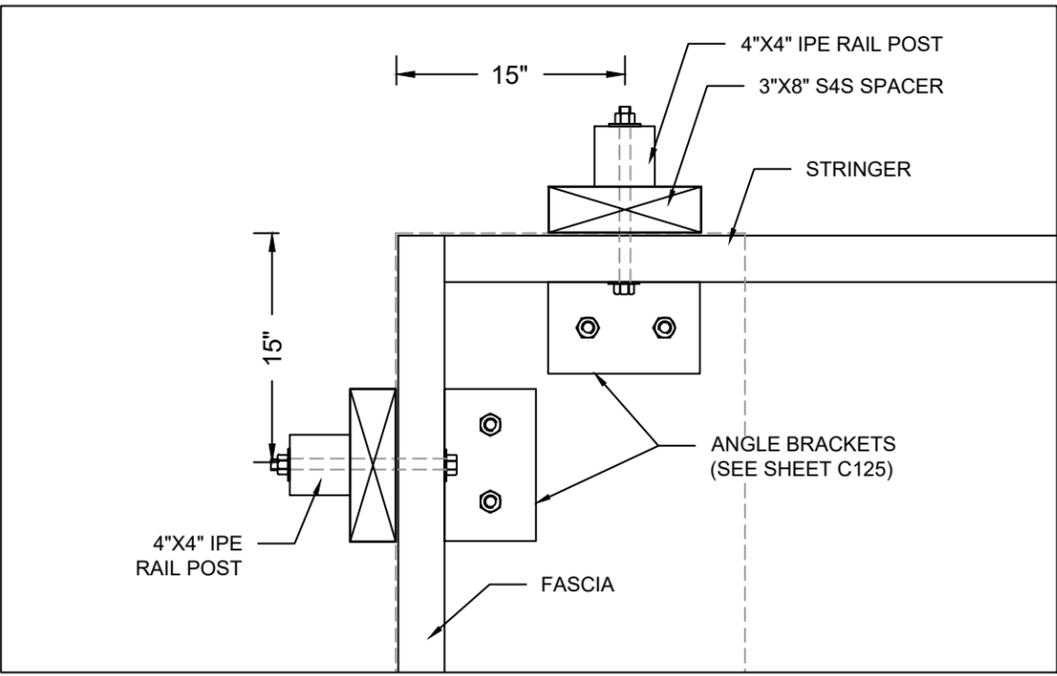
ADA RAILING DETAILS
SCALE: 1" = 2'



GUARD RAILING DETAILS
SCALE: 1" = 2'

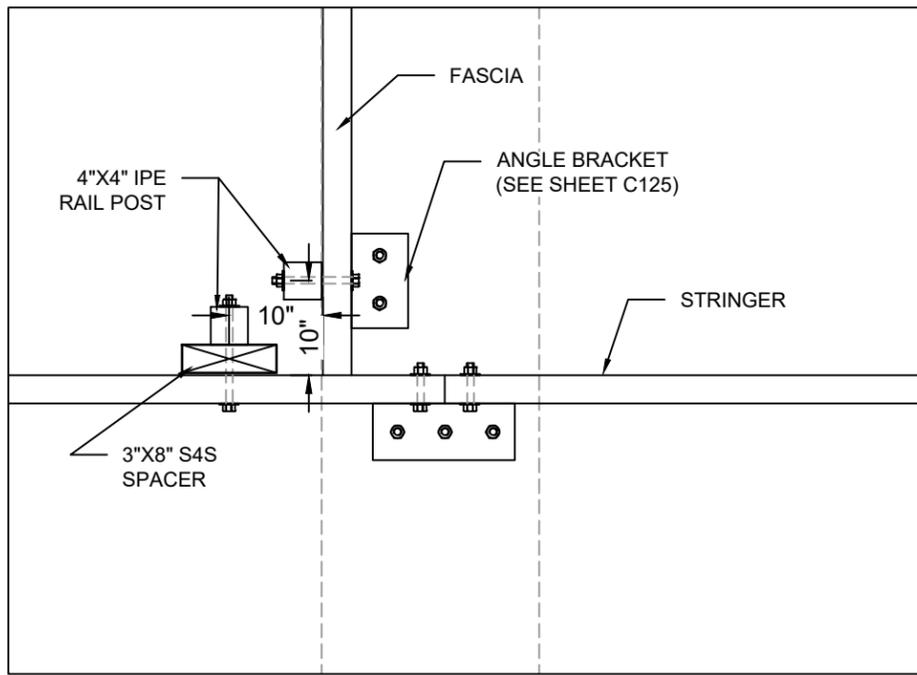
NOTE: GUARD RAILING SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER.

NOTE: RAILING FASTENERS SHALL BE #12 X 3 1/2" 316 SS BUGLE HEAD SCREWS UNLESS OTHERWISE NOTED.



OUTSIDE CORNER DETAIL
SCALE: 1" = 1'

NOTE: SEE SHEET C124 & C125 FOR STRINGER AND FASCIA CONNECTION DETAILS



INSIDE CORNER DETAIL
SCALE: 1" = 1'

NOTE: SEE SHEET C124 & C125 FOR STRINGER AND FASCIA CONNECTION DETAILS

CONTRACTOR TO SUBMIT PROPOSED WIRE RAIL SYSTEM INCLUDING CORNER DETAILS

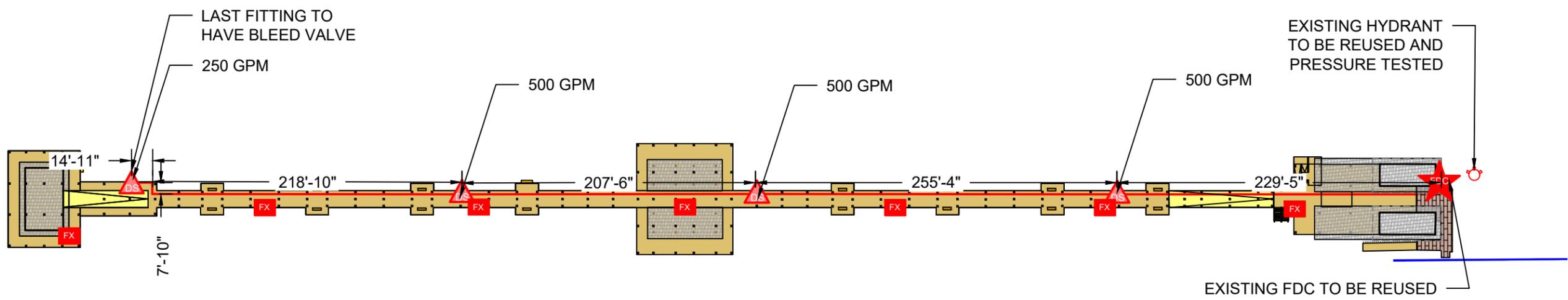
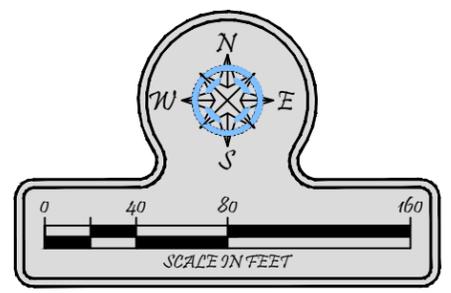
25 12TH AVE S, NAPLES, FL 34102

NAPLES PIER
RAILING DETAILS 2

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DESIGNED BY	TTT	DATE		CHECKED BY		CHANGED
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PROJECT	1550.6					
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LEGEND	
	FIRE DEPARTMENT CONNECTION
	10LB SS FIRE EXTINGUISHER MOUNTED ON RAILING N.T.E. 75' WALKING DISTANCE EACH WAY, CATO FIRE EXTINGUISHER CABINET OR APPROVED EQUIVALENT
	DRY STAND PIPE
	EXISTING HYDRANT
	4" 316 SS FIRE LINE

- FIRE PIPING SPECIFICATIONS:
1. INSTALLATION OF ALL PIPING SHALL BE PER THE LATEST EDITION ACCEPTED BY THE LOCAL AHJ OF THE FLORIDA BUILDING CODE - PLUMBING EDITION, NFPA 303, NFPA 14.
 2. ALL PIPING SHALL BE 316 STAINLESS STEEL AND ALL FITTINGS SHALL BE CLAMPED.
 3. ALL PIPING SHALL BE PRESSURE TESTED AFTER CONNECTING APPLICABLE VALVES. PIPING SHALL BE TESTED TO AT LEAST 200 PSIG AND PRESSURE SHALL BE MAINTAINED FOR A MINIMUM OF 2 HRS.
 4. ALL PIPE HANGERS, STRAPS, NUTS, BOLTS, ANGLE SUPPORTS, ETC. SHALL BE STAINLESS STEEL.
 5. ALL 90 DEGREE BENDS SHALL BE LONG RADIUS.
 6. CONTRACTOR SHALL SUBMIT ALL MATERIALS TO EOR AND FIRE DEPARTMENT PRIOR TO COMMENCEMENT FOR NECESSARY APPROVALS.
 7. ALL UNDERGROUND PIPING TO HAVE A FIRE INSPECTION.
 8. ALL TESTING SHOULD OCCUR BEFORE DECKING.
 9. ALL PIPING SECTIONS TO BE COUPLED WITH 316SS FLEXIBLE COUPLINGS.
 10. CONTRACTOR RESPONSIBLE TO HAVE PROPERLY LICENSED FIRE CONTRACTOR INSTALL AND TEST SYSTEM.
 11. CONTRACTOR RESPONSIBLE TO SUPPLY AND INSTALL ALL NECESSARY CORROSION RESISTANT SIGNAGE.
 12. CONTRACTOR TO CONDUCT FLOW TESTING AT ALL HOSE CONNECTIONS.

NAPLES PIER FIRE PLAN

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DESIGNED BY: RMJ	REVISIONS:	DATE:	BY:	CHANGED:
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Dry Standpipe Hydraulic Calculations

Design Criteria:
 NFPA 14 2019: Standard for the installation of standpipe and hose systems
 13.5.4.2 Standpipe systems shall be designed to provide 100 psi at the most remote outlet with the calculations terminating at the fire department connection.

13.5.5.1 The minimum flow rate for the hydraulically most remote standpipe shall be 500gpm, through the two most remote 2-1/2" outlets, and the calculation procedure shall be in accordance with 13.5.6.

13.5.5.2 Where the system supplies three or more hose connections, the minimum flow rate for the hydraulically most demanding horizontal standpipe shall be 750 GPM, and the calculation procedure shall be in accordance with 13.5.6.1.

13.5.6.1 Where a standpipe system supplies three or more hose connections on any pier, dock or similar structure hydraulic calculations and pipe sizes for each standpipe shall be based on providing 250gpm at the three hydraulically most remote hose connections on the standpipe and the most remote outlet of each other standpipes at the minimum residual pressure required by 13.5.4.

250 GPM @ 100 PSI Residual at most remote valve

Naples Pier
Most Remote Valve

GPM	250
Result overall PSI (drop)	24.0749496

SS

Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2-1/2	2.5	150	75	10.041108
3	3	150	0	0
4	4	150	1034	14.033842

HDPE

Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2	1.92	150	0	0
3	2.83	150	0	0
4	3.633	150	0	0
6	5.349	150	0	0

GPM = Gallons per minute
 PSI = Pounds per square inch
 Based on Hazen-Williams Formula

Naples Pier
2ND Most Remote Valve

GPM	500
Result overall PSI (drop)	74.3624092

SS

Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2-1/2	2.5	150	75	36.198212
3	3	150	0	0
4	4	150	780	38.164198

HDPE

Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2	1.92	150	0	0
3	2.83	150	0	0
4	3.633	150	0	0
6	5.349	150	0	0

GPM = Gallons per minute
 PSI = Pounds per square inch
 Based on Hazen-Williams Formula

Naples Pier
3rd Most Remote Valve

GPM	500
Result overall PSI (drop)	51.0943755

SS

Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2-1/2	2.5	150	75	36.19821
3	3	150	0	0
4	4	150	572	27.98708

HDPE

Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2	1.92	150	0	0
3	2.83	150	0	0
4	3.633	150	0	0
6	5.349	150	0	0

GPM = Gallons per minute
 PSI = Pounds per square inch
 Based on Hazen-Williams Formula

Naples Pier
4th Most Remote Valve

GPM	500
Result overall PSI (drop)	51.7085329

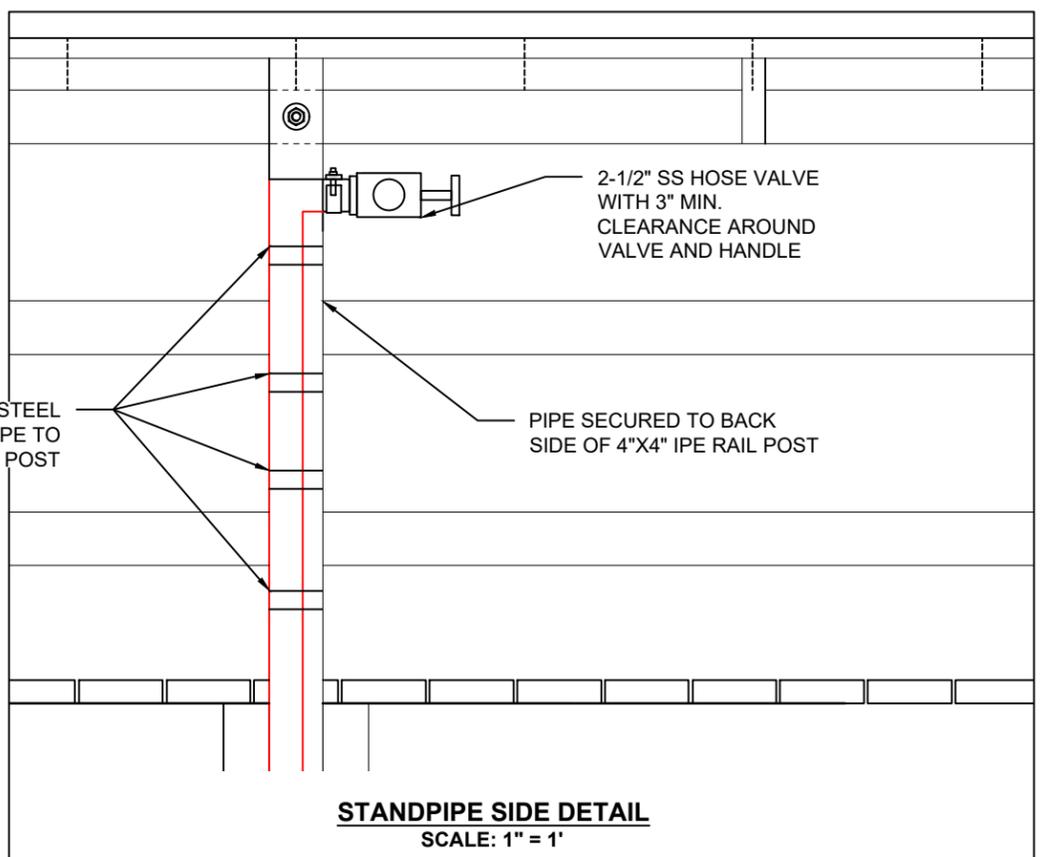
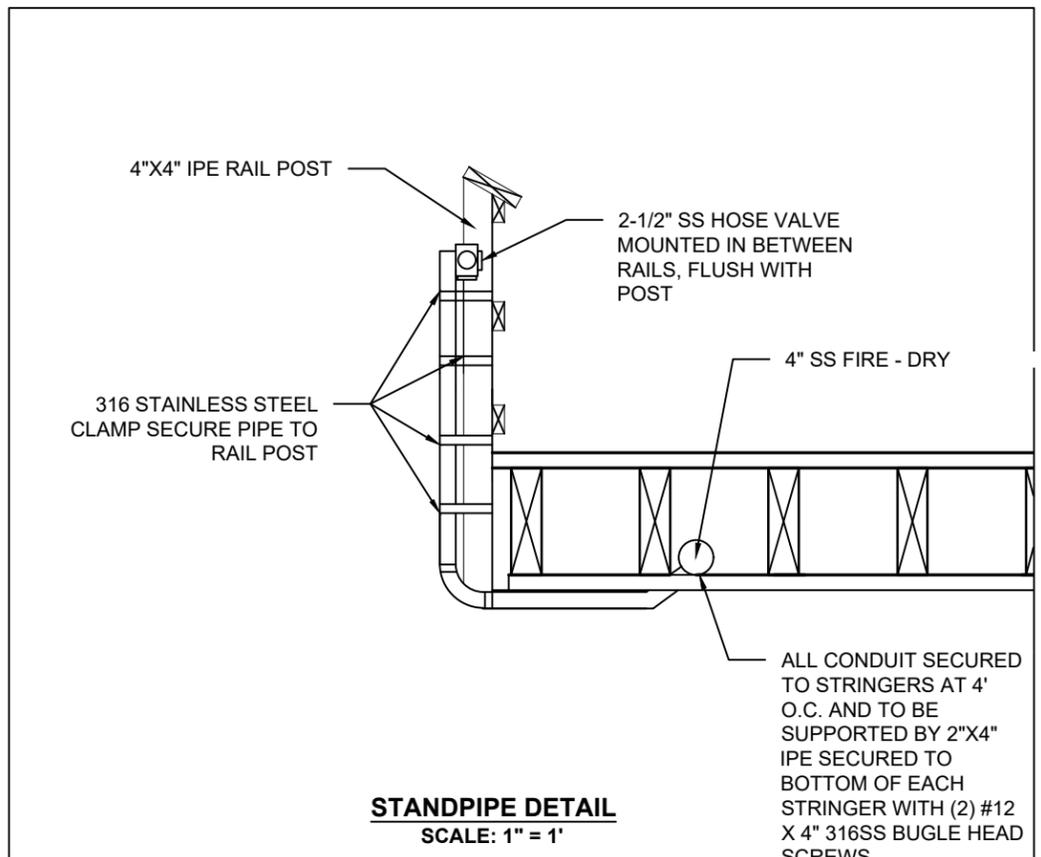
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Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2-1/2	2.5	150	75	36.198212
3	3	150	0	0
4	4	150	317	15.510321

HDPE

Nominal Diameter (in)	Diameter (in)	C(Coeff.)	Length(ft)	PSI (drop)
2	1.92	150	0	0
3	2.83	150	0	0
4	3.633	150	0	0
6	5.349	150	0	0

GPM = Gallons per minute
 PSI = Pounds per square inch
 Based on Hazen-Williams Formula



NAPLES PIER FIRE DETAILS

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DESIGNED BY: RMJ	DATE: 03-07-24	
CHECKED BY: THH	PROJECT: 1550.6	
DATE: 03-07-24	LAYOUT: FIRE DETAILS	
REVISIONS:	U101	
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BUILDING DESIGN CRITERIA

GOVERNING CODE: 2023 FLORIDA BUILDING CODE IN CONJUNCTION WITH ASCE 7-22
RISK CATEGORY: II
FLOOR LIVE LOADS: ASSEMBLY 100 PSF
WIND LOAD: ULTIMATE DESIGN WIND SPEED (Vult): 170 MPH
INTERNAL PRESSURE COEFFICIENT: ±0.0 (OPEN)
WAVE LOAD: PROVIDED BY HUMISTON & MOORE ENGINEERS (02/29/24)
ENVIRONMENTAL CLASSIFICATION: EXTREMELY AGGRESSIVE

GENERAL CONDITIONS:

- 1. SEE ARCHITECTURAL, PLUMBING, & ELECTRICAL DRAWINGS FOR OTHER PERTINENT INFORMATION RELATED TO STRUCTURAL WORK AND COORDINATE AS REQUIRED.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS RELATED TO EXISTING CONSTRUCTION, EXISTING SERVICES, AND THE SITE BEFORE BEGINNING WORK.
3. CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LIVE LOADS.
4. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR QUANTITY, STRENGTH OR SIZE INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE FOLLOWING ITEMS THAT WILL NOT BE REVIEWED BY THE OWNER, ARCHITECT OR ENGINEER:
6. ANY CHANGES TO THE STRUCTURAL SYSTEMS SHALL BE REDESIGNED BY A PROFESSIONAL ENGINEER AT NO COST TO THE OWNER OR THE EOR AND SUBMITTED TO THE EOR FOR REVIEW.

EXISTING CONDITIONS:

- 1. THE INFORMATION SHOWN ON THE ARCHITECTURAL AND STRUCTURAL CONSTRUCTION DOCUMENTS IS BASED ON ASSUMPTIONS OF THE EXISTING BUILDING CONSTRUCTION. ORIGINAL CONSTRUCTION DOCUMENTS WERE NOT AVAILABLE FOR THE PREPARATION OF THESE DOCUMENTS.
2. CONTRACTOR IS RESPONSIBLE TO UNCOVER AND VISUALLY FIELD VERIFY THE EXISTING CONSTRUCTION PRIOR TO THE START OF ANY WORK AFFECTING THE EXISTING STRUCTURE.

PRECAST CONCRETE PILES

- 1. CODES AND STANDARDS: ALL PRECAST CONCRETE PILE WORK, DETAILING, FABRICATION AND ERECTION SHALL BE GOVERNED BY CONTRACT DOCUMENTS AND LATEST EDITIONS OF BELOW UNLESS NOTED OTHERWISE.
2. THE GENERAL CONTRACTOR AND THE FOUNDATION CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SURVEY AND THE GEOTECHNICAL REPORT BEFORE STARTING CONSTRUCTION.
3. NOTIFY THE A/E AND OWNER'S REPRESENTATIVE OF ANY UNUSUAL SOIL CONDITION THAT ARE IN VARIANCE WITH TEST BORINGS, SUCH AS WHEN A DIFFERENT BEARING MATERIAL IS EVIDENT AND THERE IS A QUESTION OF THE BEARING CAPACITY.
4. PROVIDE PILES IN ACCORDANCE WITH SOILS REPORT PREPARED BY NOVA ENGINEERING AND ENVIRONMENTAL, LLC AND DESIGNATED REPORT # 10106-2022029 DATED 10/18/23.
5. PRECAST CONCRETE PILES SHALL BE MANUFACTURED WITH A MIX DESIGNED TO A FC OF 6000 PSI AT DRIVING.
6. TOTAL PILE LENGTHS AT: EAST (BEACH) END OF PIER WILL BE APPROXIMATELY 70± LONG
7. ULTIMATE SOIL CAPACITIES OF 18"X18" PILES PER GEOTECHNICAL REPORT
8. ULTIMATE PRECAST PRESTRESSED PILE DESIGN CAPACITIES
9. LOAD TESTS SHALL BE CONDUCTED ON THE PILING WHEN IN PLACE.
10. AN AS-BUILT SURVEY OF PILE LOCATIONS SHALL BE PERFORMED BY A LAND SURVEYOR REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION.
11. PILES TO BE FURNISHED TO THEIR TOTAL PRODUCTION LENGTH.
12. CONTRACTOR SHALL KEEP A PILE DRIVING LOG ON THE SITE AT ALL TIMES WHICH SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, WEATHER CONDITIONS, EQUIPMENT USED, PILE LOCATION DESIGNATION, BLOWS PER FOOT OVER ENTIRE DRIVING SEQUENCE, TOTAL LENGTH OF PILE (AFTER DRIVING AND CUT-OFF, IF CUT-OFF ALLOWED), AMOUNT OF JETTING OR PUNCHING (IF REQUESTED AND APPROVED), UNUSUAL PILE BEHAVIOR, DAMAGE AND RE-DRIVING. THIS LOG SHALL BE AVAILABLE TO THE ENGINEER OR OWNER'S REPRESENTATIVE AT ANY TIME DURING THE JOB.

PRECAST CONCRETE:

- 1. CODES AND STANDARDS: ALL PRECAST CONCRETE WORK, DETAILING, FABRICATION AND ERECTION SHALL BE GOVERNED BY CONTRACT DOCUMENTS AND LATEST EDITIONS OF:
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
3. THE PRECAST CONCRETE MANUFACTURING PLANT SHALL BE CERTIFIED BY THE PRESTRESSED CONCRETE INSTITUTE, PLANT CERTIFICATION PROGRAM, PRIOR TO THE START OF PRODUCTION.
4. MATERIALS: PORTLAND CEMENT: ASTM C150.
5. SUBMITTALS: SUBMIT SHOP DRAWINGS FOR REVIEW THAT INCLUDES BUT NOT LIMITED TO:
6. CONNECTORS: ALL CONNECTIONS SHALL BE DESIGNED SO AS NOT TO BE EXPOSED TO WEATHER NOR TO VIEW FROM THE EXTERIOR.
7. TOLERANCE: TO CONFORM WITH THE PRESTRESSED CONCRETE INSTITUTE SPECIFICATIONS.
8. MISCELLANEOUS: THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING, AS REQUIRED, DURING THE ERECTION OF PRECAST UNITS.

STRUCTURAL DELEGATED DESIGN AND DEFERRED SUBMITTALS:

- 1. STRUCTURAL DELEGATED DESIGN AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ELEMENTS, PARTS, OR PORTIONS OF THE OVERALL STRUCTURAL SYSTEM THAT ARE INDICATED OR REFERRED TO ON THESE DRAWINGS AND THAT ARE CRITICAL TO THE PERFORMANCE TO THE OVERALL STRUCTURAL SYSTEM DESIGN CRITERIA HAS BEEN PROVIDED FOR THESE ITEMS IN THE STRUCTURAL NOTES, PLANS, AND DETAILS.
2. STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGE TO BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS FOR ALL DELEGATED DESIGN ITEMS INCLUDING CONNECTIONS AND ANCHORAGE TO THE BUILDING STRUCTURE.
3. EOR WILL REVIEW STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. STRUCTURAL DELEGATED DESIGN COMPONENTS SHALL NOT BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.
5. STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO: PRECAST PILES, TEMPORARY SHORING AND BRACING OF EXISTING STRUCTURE TO REMAIN.

MECH'L, ELEC'L, PLUMBING, FIRE PROTECTION & OTHER SUSPENDED ITEM:

- 1. CONNECTIONS TO SUPPORTING STRUCTURAL MEMBERS, SHALL BE CLAMPING DEVICE WHICH DO NOT DAMAGE OR DEFORM THE STRUCTURAL ELEMENTS, WELDING TO OR DRILLING HOLES IN STRUCTURAL MEMBERS IS NOT PERMITTED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
2. TRAPEZING IS PERMITTED FOR MULTIPLE PIPE OR CONDUIT RUNS. LOADS FROM TRAPEZE HANGERS SHALL BE AS PREVIOUSLY NOTED FOR SUPPORTS FROM JOIST ELEMENTS.
3. THE APPROPRIATE INSTALLING CONTRACTOR IS RESPONSIBLE FOR DETERMINING LOADS IMPOSED BY THE INSTALLED ITEMS.
4. CONTRACTORS INSTALLING MEP & FP SYSTEMS SHALL COORDINATE ROUTING PRIOR TO INSTALLATION SO AS TO DISTRIBUTE THE LOADING TO THE STRUCTURE UNIFORMLY.
5. ALL HANGERS, WIRES, RODS ETC. FOR SUSPENDED ITEMS SUCH AS PIPING, CONDUIT, DUCT WORK, FIRE PROTECTION, SUSPENDED CEILINGS, TECHNOLOGY, ETC. SHALL BE INSTALLED FROM MAIN STRUCTURAL MEMBERS.

CAST IN PLACE CONCRETE:

- 1. CODES AND STANDARDS: ALL CAST-IN-PLACE CONCRETE WORK, DETAILING, FABRICATION AND PLACING OF REBARS, TESTING, SAMPLING, AND CONCRETE SHALL BE GOVERNED BY CONTRACT DOCUMENTS AND LATEST EDITIONS OF:
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
3. MATERIALS: PORTLAND CEMENT: ASTM C150.
4. SUBMITTALS: SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL WHICH INCLUDE ERECTIONS PLANS, POUR SEQUENCE (IF APPLICABLE), CONSTRUCTION JOINTS AND/OR EXPANSION JOINTS, ELEVATIONS AND REBAR BENDING SCHEDULES.
5. SPLICES: REINFORCING BARS LAP SPLICE LENGTHS SHALL CONFORM WITH THE MINIMUM LAP SPLICE TABLE.
6. JOINTS: CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY STRUCTURAL ENGINEER.
7. CURING: TO COMMENCE IMMEDIATELY AFTER CONCRETE PLACEMENT AND CONTINUE FOR AT LEAST 7 DAYS.
8. MISCELLANEOUS: PROVIDE CORROSION RESISTANT ACCESSORIES SUCH AS GRAY PLASTIC CHAIRS IN ALL EXPOSED CONCRETE CONSTRUCTION.

Table with 2 columns: EXPOSURE CONDITION, COVER. Rows include PRECAST PILES and BEAMS/BENTS.

Table with 8 columns: REBAR SIZE, 3/4" COVER, 1 1/2" COVER, 2" COVER, 3" COVER. Rows include #3 through #18.

Table with 8 columns: REBAR SIZE, 3/4" COVER, 1 1/2" COVER, 2" COVER, 3" COVER. Rows include #3 through #18.



NAPLES PIER RECONSTRUCTION

The City of Naples

25 12th Ave S, Naples, FL 34102

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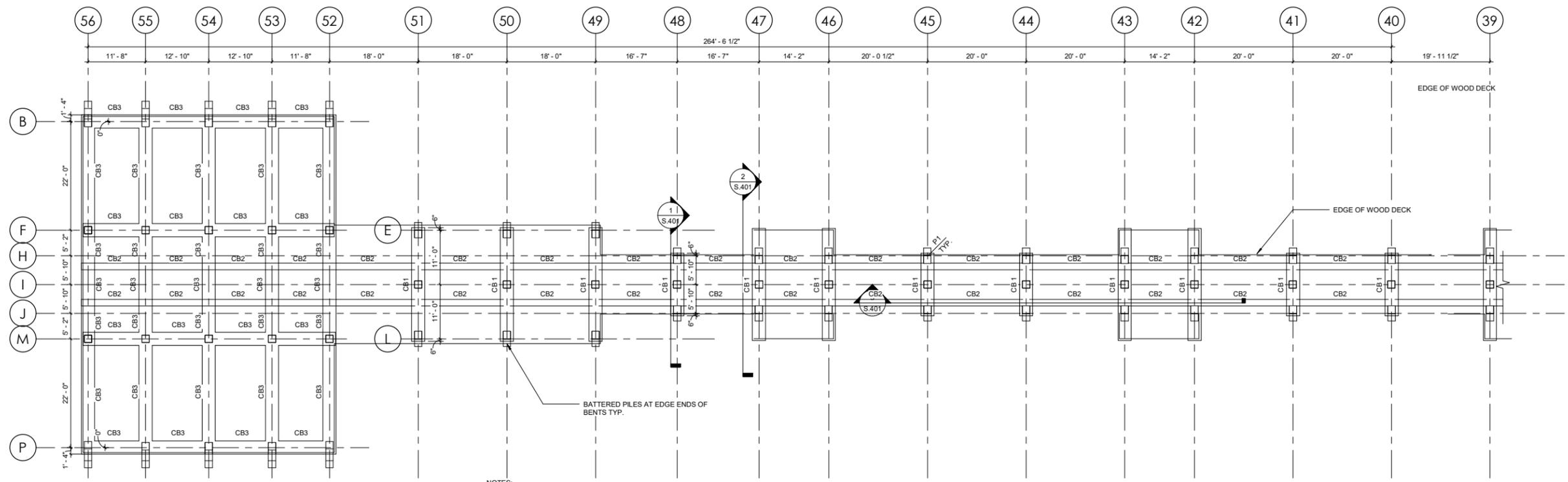
Table with 3 columns: TAG, ISSUED, DATE. Rows include 90% CD/ BID SET and Revision 1.

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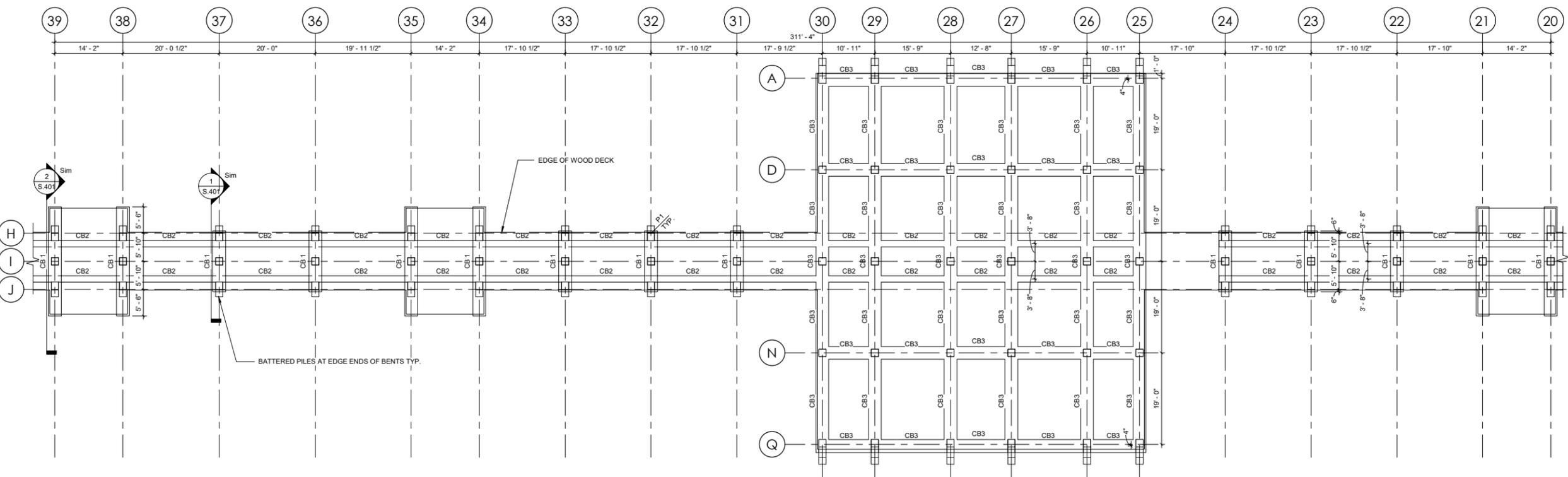
DRAWN BY: STOLARZ, M. CHECKED BY: EVETTS, B. CLIENT PROJ. NO: THA 1550.06 OSBORN PROJ. NO: 20230070.000

GENERAL NOTES

DRAWING NO. S.001



1 ENLARGED FRAMING PLAN 1
SCALE: 3/32" = 1'-0"



2 ENLARGED FRAMING PLAN 2
SCALE: 3/32" = 1'-0"



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	90% CD/ BID SET	2024.1.18

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ENLARGED PLANS

DRAWING NO.
S.101A



NAPLES PIER
RECONSTRUCTION

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TAG	ISSUED	DATE
	90% CD/ BID SET	2024.1.18
1	Revision 2	2024.5.13

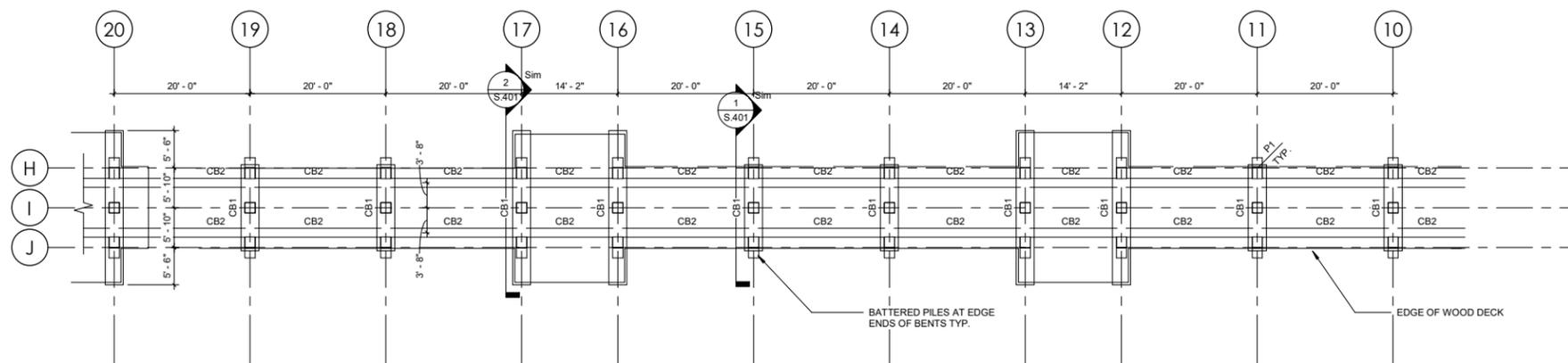
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OSBORN PROJ NO: 20230070.000

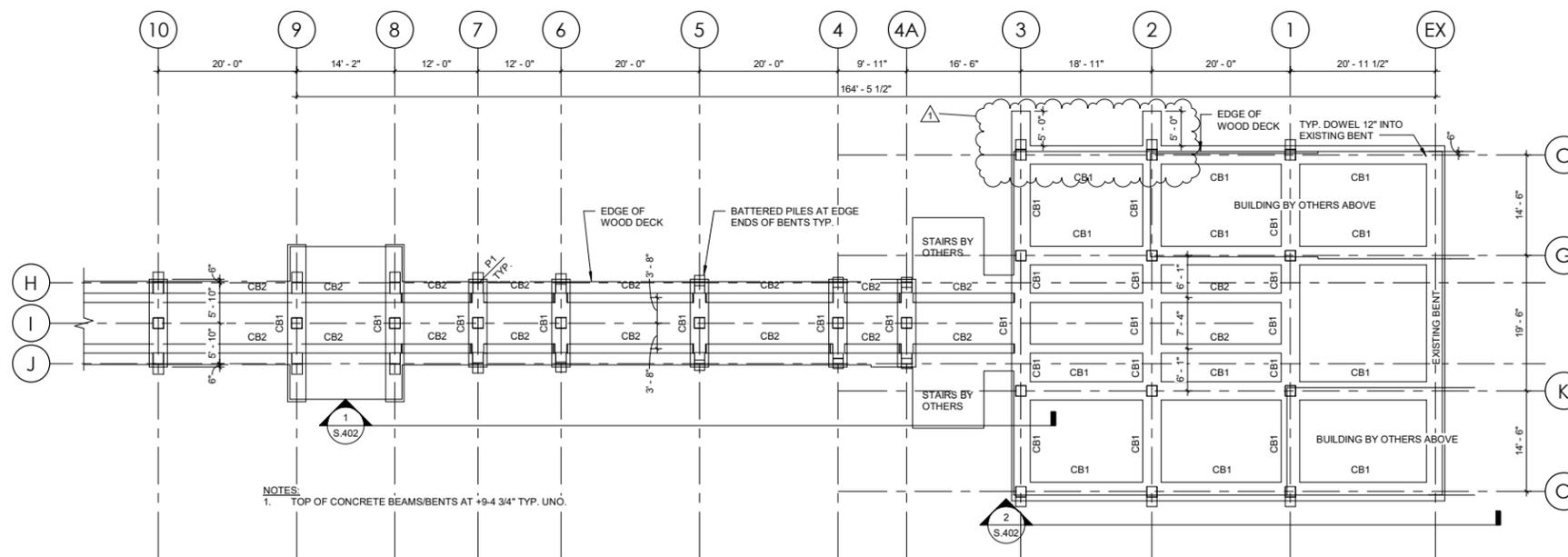
ENLARGED
PLANS

DRAWING NO.

S.101B



1 ENLARGED FRAMING PLAN 3
SCALE: 3/32" = 1'-0"



2 ENLARGED FRAMING PLAN 4
SCALE: 3/32" = 1'-0"

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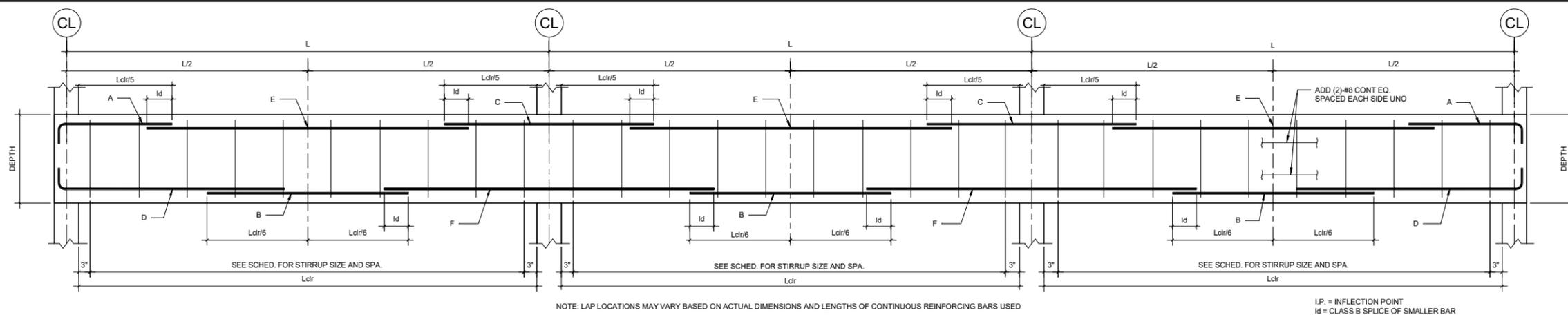
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1	Revision 1	2024.4.29

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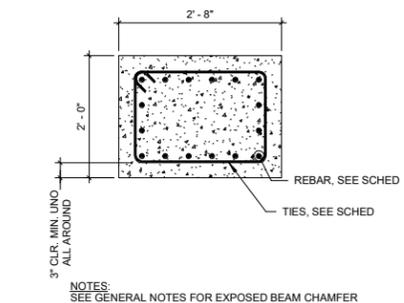
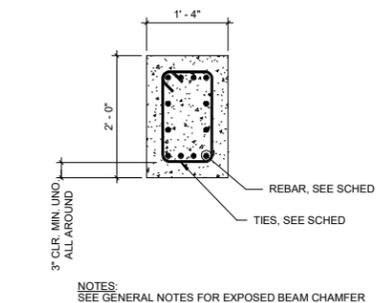
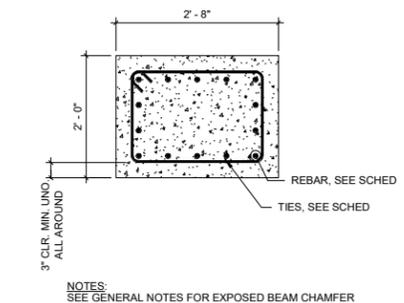
TYPICAL DETAILS

DRAWING NO.
S.301



1 TYPICAL CONCRETE BEAM REBAR LAP LAYOUT
SCALE: 1" = 1'-0"

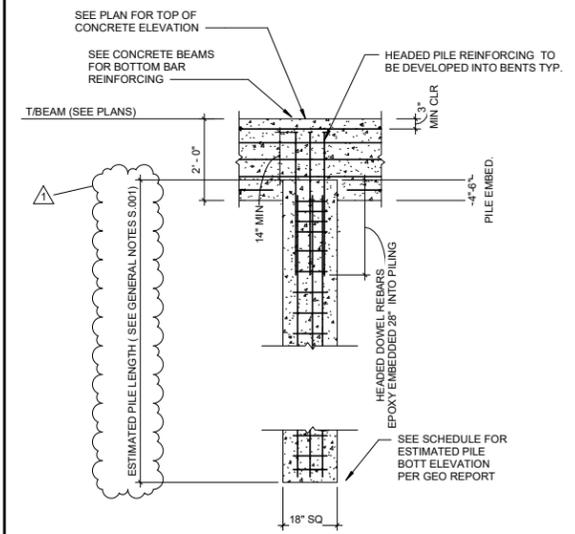
Type Mark	SIZE (in)		HORIZONTAL REINFORCEMENT						STIRRUPS		REMARKS
	WIDTH	DEPTH	A	B	C	D	E	F	# LEGS	SPACING FROM EACH END	
CB1	32	24	(5)#8	(5)#8	(5)#8	(5)#8	(5)#8	(5)#8	2	10"	ADDL (2)#8 CONT. ON EACH SIDE FACE
CB2	16	24	(4)#8	(4)#8	(4)#8	(4)#8	(4)#8	(4)#8	2	6"	ADDL (2)#8 CONT. ON EACH SIDE FACE
CB3	32	24	(6)#8	(6)#8	(6)#8	(6)#8	(6)#8	(6)#8	2	10"	ADDL (2)#8 CONT. ON EACH SIDE FACE



2 CB1
SCALE: 3/4" = 1'-0"

3 CB2
SCALE: 3/4" = 1'-0"

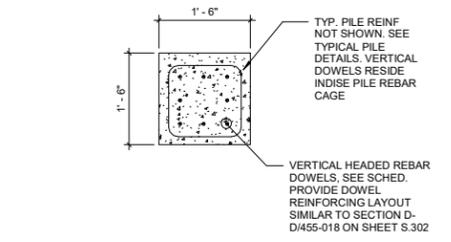
4 CB3
SCALE: 3/4" = 1'-0"



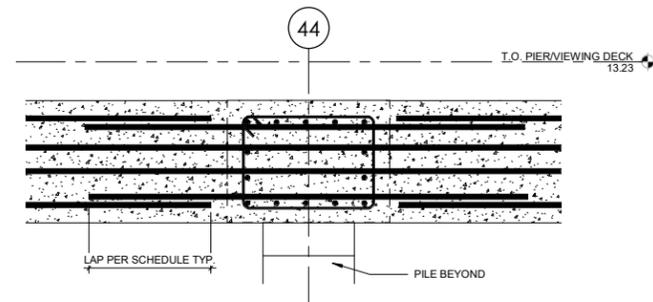
5 TYPICAL DRIVEN PRECAST PILE
SCALE: 1/2" = 1'-0"

CONCRETE PILE DOWEL SCHEDULE	
MARK	DOWELS
P1	(6)#8

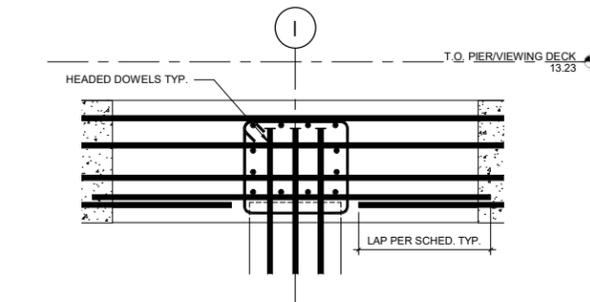
NOTES:
1. CONCRETE PILES ARE PRECAST PRESTRESSED CONCRETE.



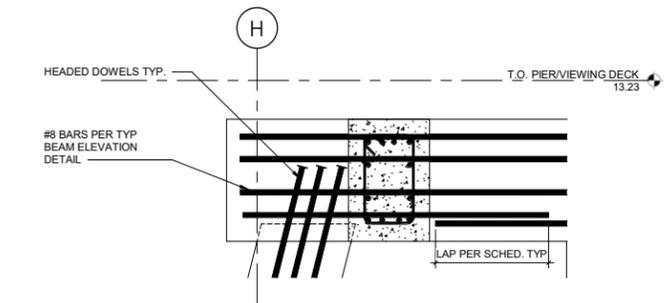
6 P1 - DOWELS AT TOP OF PILE
SCALE: 3/4" = 1'-0"



7 TYPICAL REINFORCING LAYOUT 1 BEAM CROSS SECTION
SCALE: 3/4" = 1'-0"



9 TYPICAL REINFORCING LAYOUT 2 AT PILE
SCALE: 3/4" = 1'-0"



8 TYPICAL REINFORCING LAYOUT 3 AT PILE
SCALE: 3/4" = 1'-0"

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OSBORN PROJ NO: 20230070.00

PRESTRESSED CONCRETE PILE TYPICAL DETAILS

DRAWING NO.

S.302

ELEVATION

Spiral Tie Spacing: 5 Turns @ 1" Pitch, 16 Turns @ 3" Pitch, 6" Pitch, 16 Turns @ 3" Pitch, 5 Turns @ 1" Pitch

W3.4 Spiral Ties

3/4" x 3" Chanfer (Typ.)

SECTION A-A

18" x 18" square cross-section with 3" cover and W3.4 spiral ties.

ALTERNATE STRAND PATTERNS

- 12 - 0.6" Ø, Grade 270 LRS, at 35 kips
- 12 - 1/2" Ø (Special), Grade 270 LRS, at 34 kips
- 16 - 1/2" Ø, Grade 270 LRS, at 26 kips
- 20 - 3/4" Ø, Grade 270 LRS, at 21 kips
- 24 - 3/4" Ø, Grade 270 LRS, at 17 kips

NOTES:

- Work this Index with Index 455-001 - Typical Details and Notes for Square Prestressed Concrete Piles and Index 455-002 - Square Prestressed Concrete Pile Splices.
- Any of the given Alternate Strand Patterns may be utilized. Place one strand at each corner and place the remaining strands equally spaced between the corner strands. The total strand pattern shall be concentric with the nominal concrete section of the pile.

PILE SPLICE REINFORCEMENT DETAILS

SECTION D-D (See Non-Drivable Unforeseen Reinforced Precast Splice Detail)

SECTION E-E (See Drivable Prestressed Precast Splice Detail)

SECTION F-F (See Drivable Preplanned Splice Detail)

INDEX 455-018 **SHEET** 1 of 1

PRESTRESSED CONCRETE PILE NOTES:

- Work this Index with the Square Prestressed Concrete Pile Splices (Index 455-002), the Prestressed Concrete Pile Standards (Index 455-012 thru 455-030), the High Moment Capacity Square Prestressed Concrete Pile (Index 455-031) and the Pile Data Table in the Structures Plans.
- Concrete:
 - Piles: Class V, except use Class VI for High Moment Capacity Pile (Index 455-031).
 - High Capacity Splice Collar: Class V.
 - See "GENERAL NOTES" in the Structures Plans for locations where the use of Highly Reactive Pozzolans is required.
- Concrete strength at time of prestress transfer:
 - Piles: 4,000 psi minimum.
 - High Moment Capacity Piles: 6,500 psi minimum.
- Carbon-Steel Reinforcing:
 - Bars: Meet the requirements of Specification Section 415.
 - Prestressing Strands: Meet the requirements of Specification Section 933.
 - Protect all strands permanently exposed to the environment and not embedded under final conditions in accordance with Specification Section 450.
- Spiral Ties:
 - Tie each wrap of the spiral strand to a minimum of two corner strands.
 - One full turn required for spiral splices.
- Pile Splices: Fill dome holes and form the joint between pile sections with a Type AB Epoxy Compound in accordance with Specification Section 962. Use an Epoxy Bonding Compound or an Epoxy Mortar as recommended by the Manufacturer.

TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS

Maximum Pile Length (Feet)	D = Square Pile Size (inches)				Required Storage and Transportation Detail	Pick-Up Detail
	12	14	18	30		
48	52	59	68	87	2, 3, or 4 point	1 Point
69	75	85	98	124	2, 3, or 4 point	2 Point
99	107	121	140	178	3 or 4 point	3 Point

TYPICAL PILE SHAPE FOR MOLD FORMS

DETAIL SHOWING TYPICAL COVER

PILE PICK-UP DETAILS

- 1-POINT PICK-UP
- 2-POINT PICK-UP
- 3-POINT PICK-UP

STORAGE AND TRANSPORTATION SUPPORT DETAILS

- 2-POINT SUPPORT
- 3-POINT SUPPORT
- 4-POINT SUPPORT

INDEX 455-001 **SHEET** 1 of 1

NOTES:

- For Sections D-D, E-E, & F-F see Index 455-012 thru 455-030 for applicable concrete pile size and Pile Splice Reinforcement Details.
- Prestressing strands, spiral ties and/or reinforcement are not shown for clarity.
- When pile splices are necessary due to shipping and handling limitations, use the "Drivable Planned Prestressed Precast Splice Detail" or Mechanical Pile Splices on the Approved Products List (APL).
- When preformed dome holes are used, continue the 1" spiral tie pitch to 4'-0" below the head of the pile. See Index 455-018, 455-020 & 455-024. For preformed holes; use either removable performing material or stay-in-place corrugated galvanized steel ducts meeting ASTM Specification A653, Coating Designation G90, 26 gauge. Use 2" diameter ducts with a minimum corrugation (rib) height of 0.12 in. fabricated with either welded or interlocked seams. Galvanizing of welded seams is not required.
- For tension piles where top of Prestressed Pile is less than 3 feet below Pile Cut-off Elevation, extend No. 10 Dowels into cap beyond Pile Cut-off Elevation to achieve development as approved by the Engineer.

DETAIL A

Full epoxy compound joint. Form to retain epoxy compound. Gasket.

UNPLANNED REINFORCED C-I-P PILE BUILD-UP DETAIL

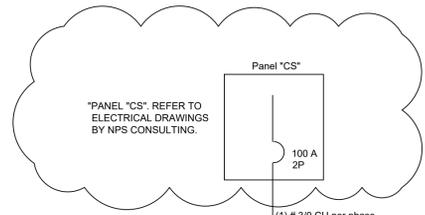
NON-DRIVABLE UNPLANNED REINFORCED PRECAST PILE BUILD-UP DETAIL

DRIVABLE UNPLANNED PRESTRESSED PRECAST PILE SPLICE DETAIL

DRIVABLE PLANNED PRESTRESSED PRECAST PILE SPLICE DETAIL

INDEX 455-002 **SHEET** 1 of 1

ONE-LINE DIAGRAM

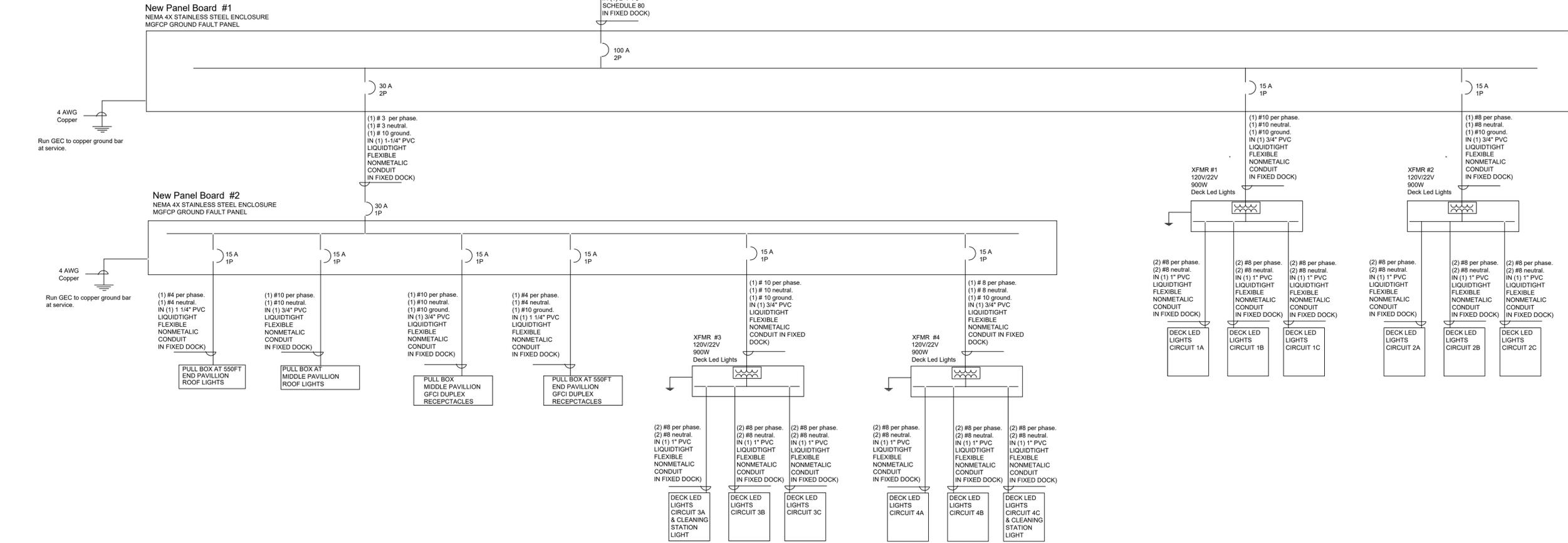


Panel "CS"
100 A
2P

(1) # 3/0 CU per phase.
(1) # 3/0 CU neutral.
(1) # 4 CU ground.
IN (1) 2" PVC
SCHEDULE 80
IN FIXED DOCK)

New Panel Board #1
NEMA 4X STAINLESS STEEL ENCLOSURE
MGFCP GROUND FAULT PANEL

New Panel Board #2
NEMA 4X STAINLESS STEEL ENCLOSURE
MGFCP GROUND FAULT PANEL



Deck Led Light Circuits & Fish Cleaning Station	Primary Voltage XFMR	Number of Fish Cleaning Station Light (SW)	Number of Deck Led Light (3W)	Total Power (Watts)	Current (A)	Power Factor Deck Led Light	Maximum % XFMR load	Total (Watts)	Liquidtight Flexible Nonmetallic Conduit
XFMR Volt Pro 900Watt (120V-22V) (Deck Led Light Circuit #1)	120	0	86	258	2.15	0.57	0.7	645.62	3/4"
XFMR Volt Pro 900Watt (120V-22V) (Deck Led Light Circuit #2)	120	0	84	252	2.10	0.57	0.7	631.58	3/4"
XFMR Volt Pro 900Watt (120V-22V) (Deck Led Light Circuit #3)	120	2	65	205	1.71	0.57	0.7	513.78	3/4"
XFMR Volt Pro 900Watt (120V-22V) (Deck Led Light Circuit #4)	120	2	79	247	2.06	0.57	0.7	619.05	3/4"
Total		4	314	962	8.02				

PAVILLIONS ROOF LIGHTS & GFCI RECEPTACLES	(Watts)	Liquidtight Flexible Nonmetallic Conduit
ROOF LIGHT END OF PAVILLION (24 Lamps *22W)	528	1 1/4"
ROOF LIGHT MIDDLE OF PAVILLION (24 Lamps *22W)	528	3/4"
GFCI RECEPTACLES END OF PAVILLION	800	1 1/4"
GFCI RECEPTACLES MIDDLE OF PAVILLION	800	3/4"
TOTAL WATTS	2,656	

Deck Led Light Circuits & Fish Cleaning Station Light	Number of Deck Led Light (3W)	Number of Fish Cleaning Station Light (SW)	Primary Voltage XFMR	Total Power (Watts)	Current (A)	Liquidtight Flexible Nonmetallic Conduit
DECK LED LIGHT CIRCUIT 1A	29	0	120.00	87	0.73	1"
DECK LED LIGHT CIRCUIT 1B	29	0	120.00	87	0.73	1"
DECK LED LIGHT CIRCUIT 1C	28	0	120.00	84	0.70	1"
DECK LED LIGHT CIRCUIT 2A	28	0	120.00	84	0.70	1"
DECK LED LIGHT CIRCUIT 2B	28	0	120.00	84	0.70	1"
DECK LED LIGHT CIRCUIT 2C	28	0	120.00	84	0.70	1"
DECK LED LIGHT CIRCUIT 3A	20	2	120.00	70	0.58	1"
DECK LED LIGHT CIRCUIT 3B	20	0	120.00	60	0.50	1"
DECK LED LIGHT CIRCUIT 3C	25	0	120.00	75	0.63	1"
DECK LED LIGHT CIRCUIT 4A	25	0	120.00	75	0.63	1"
DECK LED LIGHT CIRCUIT 4B	28	0	120.00	84	0.70	1"
DECK LED LIGHT CIRCUIT 4C	26	2	120.00	88	0.73	1"
Total	314	4		962	8.02	

ISSUED FOR REVIEW



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FAIRFIELD
8490 SEWARD RD.
FAIRFIELD, OH, 45011

JOB NO 854172
FULL SIZE PLOT 24X36
SCALE NONE
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CLIENT
NAPLE PIER

ADDRESS
25 12TH AVE S.
NAPLES, FL, 34102

TITLE
SINGLE LINE DIAGRAM
W/LOAD CALCULATIONS

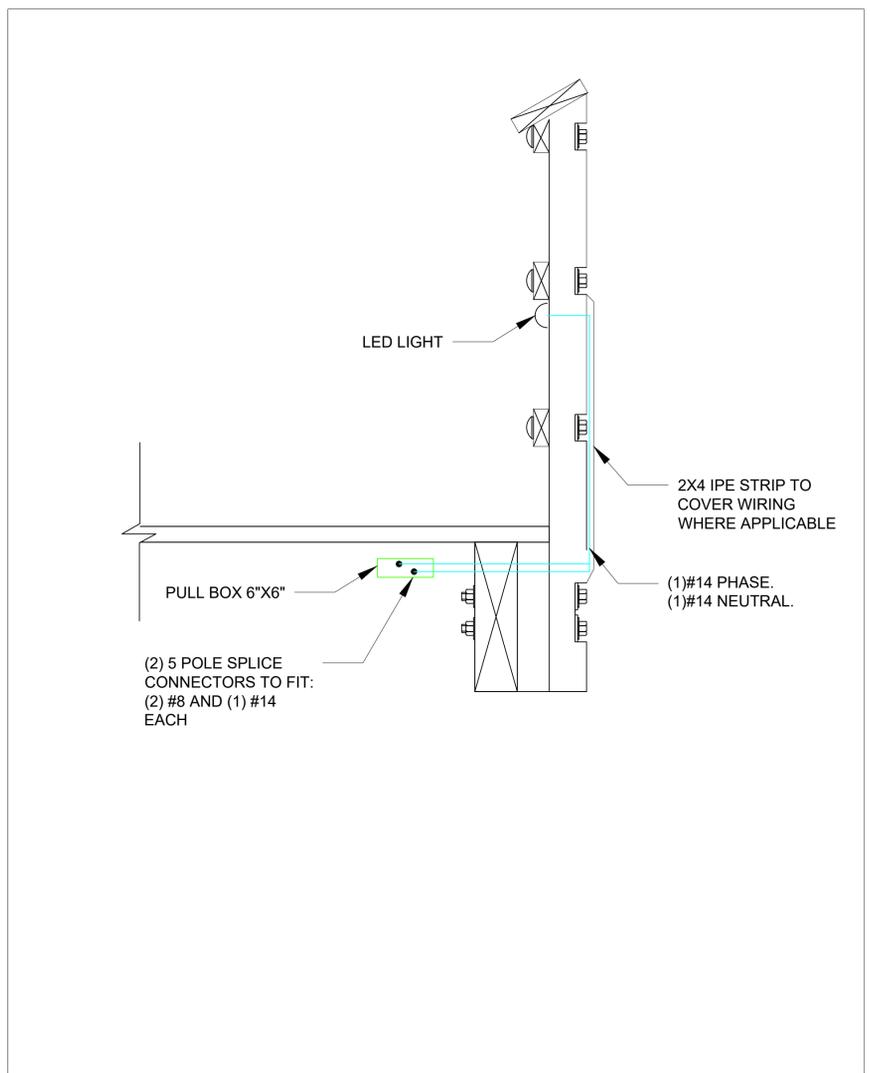
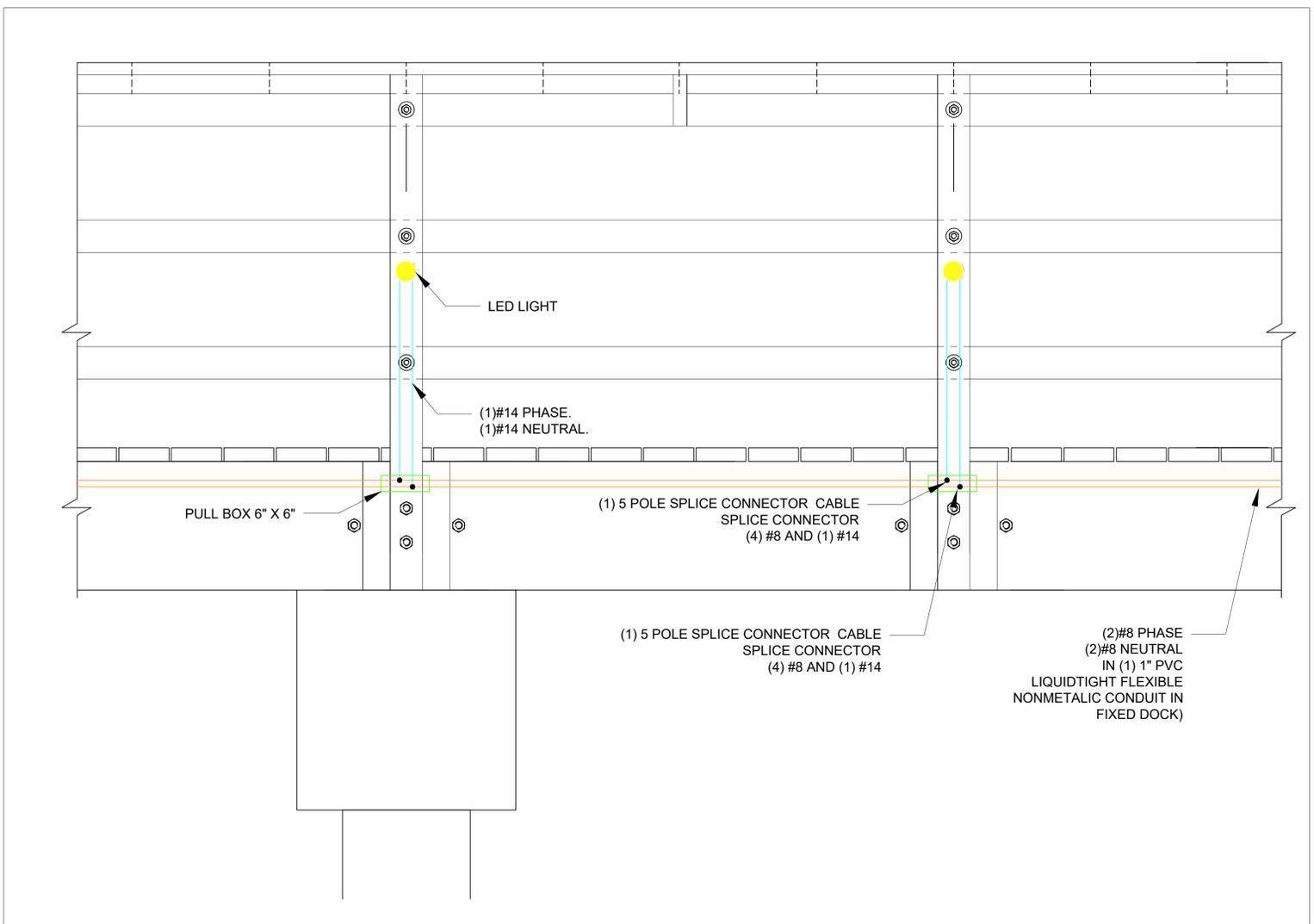
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REV NO C
SHT 1 OF 1

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01.02.23	RU	RU	RU	RU				

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LEGEND	
	#8 AWG. HORIZONTAL RUN
	#14 AWG. VERTICAL RUN
	LED DECK LIGHT
	PULL BOX 6"X6"
	SPLICE CONNECTOR

NOTE:
 HORIZONTAL RUN:
 LOCATION OF EACH TRANSFORMER:
 TO COMPLY WITH VOLTAGE DROP REQUIREMENTS
 HORIZONTAL RUN SHOULD NOT EXCEED MORE THAT 300FT.
 REFER TO DWG: 854172E0601S1 FOR HORIZONTAL PATH.

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95	95		95				



NAPLES PIER RECONSTRUCTION

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NAPLES PIER RECONSTRUCTION
 25 12th Ave S., Naples FL 34102

FLORIDA SEAL
 REG# AR 16971

SHEET ISSUE DATE
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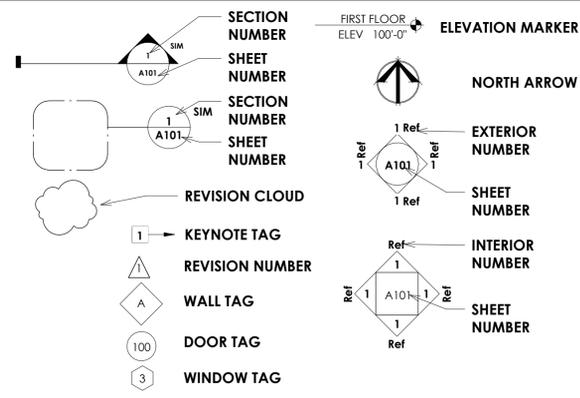
ABBREVIATIONS:

Table of abbreviations for construction terms, including ABV ABOVE FINISHED, AFF FLOOR, ASC ABOVE, SUSPENDED CEILING, ACC ACCESS, AP ACCESS PANEL, ACT ACOUSTICAL, PANEL, ADH ADHESIVE, ADJ ADJACENT, ADJT ADJUSTABLE, AGG AGGREGATE, A/C AIR CONDITIONING, ALT ALTERNATE, ALUM ALUMINUM, AB ANCHOR BOLT, ANOD ANODIZED, APX APPROXIMATE, AT AREA DRAIN, ASPH ASPHALT, AT ASPHALT TILE, AUTO AUTOMATIC, BSMT BASEMENT, BRG BEARING, BPL BEARING PLATE, BM BENCH MARK, BET BETWEEN, BV BEVELED, BIT BITUMINOUS, BLK BLOCK, BKGD BLOCKING, BO BOARD, BS BOTH SIDES, BW BOTH WAYS, BOT BOTTOM, BRK BRICK, BRZ BRONZE, BLDG BUILDING, BUR BUILT UP, ROOFING, CAB CABINET, CPT CARPET (ED), CSMT CASEMENT, CI CAST IRON, CIPC CAST-IN-PLACE CONCRETE, CST CAST STONE, CB CATCH BASIN, CLG CEILING, CHT CEILING HEIGHT, CEM CEMENT, CM CENTIMETER(S), CER CERAMIC, CT CERAMIC TILE, CMT CERAMIC MOSAIC (TILE), CHAM CHAMFER, CIR CIRCLE, CLR CLEAR (ANCE), COL COLUMN, COMB COMBINATION CONC CONCRETE, CMU CONCRETE MASONRY UNIT, CONST CONSTRUCTION, CONT CONTINUOUS OR CONTINUE, CONTR CONTRACT (OR) LINE, CLJ CONTRACT LIMIT, CJ CONTROL JOINT, CG CORNER GUARD, CORR CORRUGATED, CFL COUNTER FLASHING, CF CUBIC FOOT, CY CUBIC YARD, DP DAMPPROOFING, DL DEAD LOAD, DEMO DEMOLISH, DEMOLITION, DFE DESIGN FLOOD ELEVATION, DTL DETAIL, DIAG DIAGONAL, DIAM DIAMETER, DIM DIMENSION, DIV DIVISION, DR DOOR, DA DOUBLEACTING, DS DOUBLE HUNG, DSH DOWNSPOUT, DRAIN, DWR DRAWER, DRINKING FOUNTAIN, DW DUMBWAITER, EA EACH, EF EACH FACE EAST, ELEC ELECTRIC (AL), EP ELECTRIC, PANELBOARD, EWC ELECTRIC WATER COOLER, EL ELEVATION, ELEV ELEVATOR, EMER EMERGENCY, EQ EQUAL, EST ESTIMATE, EXCA EXCAVATE, EXH EXHAUST, EXTG EXISTING, EB EXPANSION BOLT, EXP EXPOSED, EXT EXTERIOR, EXS EXTRA STRONG FB, FAS FASTEN, FASTENER, FOC FACE OF CONCRETE, FOF FACE OF FINISH, FOM FACE OF MASONRY, FOS FACE OF STUDS, FBY FACTORY FINISH, FAS FASTEN, FASTENER, FIBR FIBERBOARD, FGL FIBERGLASS, FIN FINISH (ED), FFE FINISHED FLOOR ELEVATION, FFI FINISHED FLOOR LINE, FA FIRE ALARM, FBK FIRE BRICK, FE FIRE EXTINGUISHER, FEC FIRE EXTINGUISHER CABINET, FHS FIRE HOSE STATION, FPL FIREPLATE, FFR FIREPROOF, FRT FIRE-RETARDANT, FLG FLASHING, FLX FLEXIBLE, FIBR FLOOR (ING), FLOO FLOOR CLEANOUT, CI CAST IRON, FPL FLOOR PLATE, FLUR FLUORESCENT, FIG FOOTING, FND FOUNDATION, FR FRAME (D), (ING), FRA FRESH AIR, FRS FUR FURRED (ING), FUT FUTURE, GA GAGE, GAUGE, GALV GALVANIZED, GI GALVANIZED IRON, GP GALVANIZED PIPE, GSS GALVANIZED STEEL SHEET, GC GENERAL CONTRACTOR, GL GLASS, GLAZING, GLB GLASS BLOCK, GF GLASS FIBER, GB GRAB BAR, GD GRADE, GRADING, GVL GRAVEL, GT GROUT, GYP GYPSUM DRY WALL, HBD HARDBOARD, HDW HARDWARE, HWD HARDWOOD, HDR HEADER, HTG HEATING, HVAC HEATING/VENTILATING/AIR CONDITIONING, HT HEIGHT, HC HOLLOW CORE, HM HOLLOW METAL, HOR HORIZONTAL, HB HOSE BIBB, INCIN INCINERATOR, INCL INCLUDE (D), (ING), ID INSIDE DIAMETER, INSUL INSULATE (D), (ING), INT INTERIOR, INTM INTERMEDIATE, INV INVERT, IRP IRON PIPE, IPS IRON PIPE SIZE, JC JANITOR'S CLOSET, JT JOINT, JF JOINT FILLER, JST JOIST, KIT KITCHEN, KO KNOCKOUT, LBL LABEL, LAB LABORATORY, LB LAG BOLT, LAM LAMINATE (ED), LAV LAVATORY, LH LEFT HAND, L LENGTH, LIT LIGHT, LW LIGHTWEIGHT, LWC LIGHTWEIGHT CONCRETE, LMS LIMESTONE, LIT LITING, LVL LIVE LOAD, LVR LOUVER, LPT LOW POINT, MH MANHOLE, MFR MANUFACTURE (ER), MAS MASONRY, MO MASONRY OPENING, MTL MATERIAL (S), MAX MAXIMUM, MECH MECHANIC (AL), MIC MEDICINE CABINET, MED MEDIUM, MBR MEMBER, MMB MEMBRANE, MET METAL, M METER (S), MM MILLIMETER (S), MIN MINIMUM, MIR MIRROR, MISC MISCELLANEOUS, MOD MODULAR, MLD MOLDING, MOULDING, MR MOP RECEPTOR, MT MOUNT (ED), (ING), MOV MOVABLE, MILL MILLION, NAT NATURAL, NRC NOISE REDUCTION COEFFICIENT, NOM NOMINAL, NMT NONMETALIC, N NORTH, NIC NOT IN CONTRACT, NTS NOT TO SCALE, OC ON CENTER (S), OPG OPENING, OPP OPPOSITE, OPH OPPOSITE HAND, OPS OPSPOSITE SURFACE, OTH OTHER, OA OVERALL, OVR OVERHEAD, PNT PAINT (ED), PNL PANEL, PB PANIC BAR, PTD PEPPER TOWEL DISPENSER, PTR PAPER TOWEL RECEPTOR, PAR PARALLEL, PK PARKING, PBD PARTICLE BOARD, PTN PARTITION, PV PAVE (D), (ING), PNT PAINT, PNTM PAINTMENT, PED PEDESTAL, PERF PERFORATE (D), PERI PERIMETER, PLAS PLASTER, P.L. PLASTIC LAMINATE, PL PLATE, PG PLATE GLASS, PW PLYWOOD, PT POINT, PVC POLYVINYL CHLORIDE, PTC POST-TENSIONED CONCRETE, PCF POUNDS PER CUBIC FOOT, PWF POUNDS PER LINEAL FOOT, PSF POUNDS PER SQUARE FOOT, PSI POUNDS PER SQUARE INCH, PCC PRECAST CONCRETE, PFB PREFABRICATE (D), PFM PREFINISHED, PSC PRESTRESSED CONCRETE, PL PROPERTY LINE, QT QUARRY TILE, RAD RADIUS, RDW REDWOOD, REF REFERENCE, REFR REFRIGERATOR, REG REGISTER, REINF REINFORCE (D), (ING), RCP REINFORCED CONCRETE PIPE, RESIL RESILIENT, RET RETURN, RA RETURN AIR, REV REVISION (S), REVISED, RH RIGHT HAND, RHW RIGHT OF WAY, RISER, RD ROOF DRAIN, RFG ROOFING, RM ROOM, RSC ROUGH SAWN CEDAR, RLK ROWLOCK, SFG SAFETY GLASS, SCH SCHEDULE, SCH SCREEN, SCG SEATING, SIM SIMILAR, SLD SOLDER COURSE, SOL SOLID CORE, SP SOUNDPROOF, S SOUTH, SPK SPEAKER, SPL SPECIAL, SPEC SPECIFICATION (S), SQ SQUARE, SS STAINLESS STEEL, STD STANDARD, STA STATION, STL STEEL, STOR STORAGE, STORM DRAIN, STRUCT STRUCTURAL, SCT STRUCTURAL CLAY, TILE, SUSPENDED, SYS SYSTEM, TEL TELEPHONE, TV TELEVISION, THK THICK (NESS), THR THRESHOLD, TPTN TOILET PARTITION, TPTP TOILET PAPER DISPENSER, TOL TOLERANCE, T&G TONGUE & GROOVE, TC TOP OF CURB, TG TOP OF GRADE, TP TOP OF PAVEMENT, TSL TOP OF SLAB, TS TOP OF STEEL, TW TOP OF WALL, TB TOWER BAR, TBD TO BE DETERMINED, T READ, TYP TYPICAL, UNFIN UNFINISHED, UR URINAL, VAP VAPOR BARRIER, VAR VARNISH, VNR VENEER, VERT VERTICAL, VG VERTICAL GRAIN, VIF VERIFY IN FIELD, VIN VINYL, VB VINYL BASE, VT VINYL TILE, WSCOT WAINGSCOT, WTW WALL TO WALL, WH WALL HUNG, WATER HEATER, WATER CLOSET, WP WATERPROOFING, WR WATER REPELLENT, WS WATERSTOP, WFWF WELDED WIRE FABRIC, W WEST, W WIDTH, WIDE, WDW WINDOW, WG WIRE MESH, WM WIRE MESH, W/O WITHOUT, WD WOOD, WB WOOD BASE, WPT WORKING POINT, WI WROUGHT IRON

GENERAL NOTES:

- 1. IT IS THE INTENT OF THESE CONTRACT DOCUMENTS TO DEFINE AND DESCRIBE A COMPLETE FINISHED AND FULLY FUNCTIONING FACILITY. ANY PRODUCT, MATERIAL, SYSTEM, EQUIPMENT, OR ASSEMBLY WHICH NORMALLY WOULD BE REQUIRED TO MEET THIS REQUIREMENT SHALL BE PROVIDED AS IF SPECIFICALLY NOTED.
2. WHEN WORK IS NOT SPECIFICALLY NOTED BUT IS REQUIRED TO COMPLETE THE PROJECT, IT SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. THE DOCUMENTS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. ADDITIONAL DATA SHALL BE OBTAINED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION ONLY. VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
4. ALL WORK AS OUTLINED IN THESE DOCUMENTS SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES IN EFFECT AT THE TIME THESE DOCUMENTS WERE PREPARED. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
5. CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS WHICH MAY AFFECT THE BID.
6. CONTRACTOR SHALL BE EXPERIENCED IN THIS TYPE OF WORK. NO ALLOWANCES WILL BE MADE FOR LACK OF EXPERIENCE.
7. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT THE CONSTRUCTION.
8. ANY EXISTING UTILITIES TO BE ABANDONED SHALL BE PROPERLY DISCONNECTED, PLUGGED, OR CAPPED, AS REQUIRED BY CODE.
9. DAMAGED OR DISRUPTED EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO LANDSCAPING, LIGHTING, IRRIGATION, PEDESTRIAN AND VEHICLE ACCESS SHALL BE REPLACED AT THE END OF CONSTRUCTION TO THE SAME STANDARDS OF QUALITY AS EXISTED PRIOR TO CONSTRUCTION.
10. DISRUPTED ELECTRICAL AND WATER LINES SHALL BE RE-ROUTED DURING CONSTRUCTION AND ARE TO REMAIN IN CONTINUOUS SERVICE UNLESS OTHERWISE INDICATED OR INSTRUCTED.
11. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT FIRST SECURING WRITTEN DIRECTION FROM THE ARCHITECT.
12. WHERE LACK OF INFORMATION OR DISCREPANCY EXISTS IN THE DRAWINGS OR SPECIFICATIONS, REQUEST WRITTEN INTERPRETATION FROM THE ARCHITECT BEFORE PROCEEDING.
13. UNLESS OTHERWISE NOTED, ELECTRICAL CONDUITS, PLUMBING LINES, ETC SHALL BE RUN CONCEALED AND FRAMING SHALL BE CORRECTLY SIZED TO ACCOMPLISH THIS WITHOUT CREATING VARIATIONS IN THE WALL PLANE.
14. PROVIDE ADEQUATE CONCEALED BLOCKING AND ANCHORING FOR ALL CEILING AND WALL MOUNTED EQUIPMENT, HARDWARE, AND ACCESSORIES.
15. WHEN A PRODUCT, SYSTEM OR ASSEMBLY IS CALLED FOR, ALL NECESSARY PARTS AND MATERIALS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
16. PRIOR TO PROCEEDING WITH WORK, CONTRACTOR SHALL COORDINATE WITH EACH TRADE THE LOCATIONS OF SLEEVES OR ACCESSORIES INVOLVING OTHER TRADES.
17. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FURNISHED UNDER THIS CONTRACT FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD TRACEABLE TO MATERIALS OR WORKMANSHIP PROVIDED OR PERFORMED BY THE CONTRACTOR, SHALL BE MADE GOOD AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL ACCEPT AND FULLY UNDERSTAND THIS PROVISION PRIOR TO THE CONTRACT BEING AWARDED. NO CLAIM FOR EXTRA COMPENSATION WILL BE ALLOWED FOR CORRECTION OF FAULTY WORK OR DEFECTIVE MATERIALS. AT ANY TIME DURING THE CONSTRUCTION PERIOD, OWNER'S REPRESENTATIVES AND THE ENGINEER RETAIN THE RIGHT TO REQUIRE THE CONTRACTOR TO REMOVE AND REINSTALL ANY EQUIPMENT OR MATERIALS NOT FOLLOWING THE STANDARDS AS PRESENTED HEREIN OR ON THE DRAWINGS AND AT NO COST TO THE OWNER.
SITE CONDITIONS
1. LOCATE, IDENTIFY, AND PROTECT ALL EXISTING UTILITIES ENCOUNTERED DURING THE WORK. IF ANY, NOTIFY UTILITY COMPANIES OF IMPENDING WORK.
2. ENSURE THAT ALL UTILITY AND OTHER SERVICES WHICH MAY BE DISTURBED DURING CLOSE EXCAVATION ARE TEMPORARILY STAYED AND BRACED IN POSITION DURING THE WORK.
3. PROVIDE SLEEVES APPROPRIATE TO CONSTRUCTION WHERE NEW PIPES, CONDUIT, AND DUCTS PENETRATE WALLS AND FLOORS. FILL VOIDS WITH FIRE SAFING INSULATION OR FOAM PENETRATION SEALANT.
4. PROGRESS CLEANING: REMOVE DEBRIS FROM INTERIOR OF BUILDING ON A DAILY BASIS AND STORE TEMPORARILY IN COMMERCIAL TRASH CONTAINERS. REMOVE DEBRIS FROM BUILDING SITE AT INTERVALS REQUIRED TO MINIMIZE OVERFLOW AND SPILLAGE. HANDLE HAZARDOUS, DANGEROUS, OR UNSANITARY WASTE MATERIALS SEPARATELY FROM OTHER WASTE BY CONTAINERIZING PROPERLY. DISPOSE OF MATERIAL IN A LAWFUL MANNER.
5. PROVIDE TEMPORARY TOILET FACILITIES FOR CONSTRUCTION USE. USE OF THE OWNERS TOILET FACILITIES WILL NOT BE PERMITTED.
FINAL COMPLETION
1. DO NOT BURN WASTE MATERIALS. DO NOT BURY DEBRIS OR EXCESS MATERIALS ON THE OWNER'S PROPERTY. DO NOT DISCHARGE VOLATILE, HARMFUL OR DANGEROUS MATERIALS INTO DRAINAGE SYSTEMS. REMOVE WASTE MATERIALS FROM THE SITE AND DISPOSE IN A LAWFUL MANNER.
2. COMPLETE CLEANING OPERATIONS BEFORE REQUESTING INSPECTION FOR CERTIFICATION OF SUBSTANTIAL COMPLETION AND MAINTAIN BUILDING IN CLEANED CONDITION UNTIL FINAL COMPLETION.
3. REMOVE TEMPORARY PROTECTION AND FACILITIES INSTALLED FOR PROTECTION OF THE WORK DURING CONSTRUCTION.
4. REMOVE LABELS, CLEAN GLASS SURFACES, AND DUST AND WIPE CLEAN ALL PRODUCTS, MATERIALS, SYSTEMS, FINISHES, EQUIPMENT, AND SURFACES.

STANDARD SYMBOLS:



PROJECT SUMMARY:

THIS IS A PERMIT APPLICATION FOR THE RECONSTRUCTION OF THE NAPLES PIER, LOCATED AT 25 12TH AVENUE SOUTH, NAPLES FL 34102. THE PROJECT WILL CONSIST OF: AN INTERIOR AND EXTERIOR RENOVATION OF THE EXISTING MEN'S AND WOMEN'S RESTROOMS; A CONCESSIONS AND STORAGE ADDITION TO THE MEN'S RESTROOM; A COVERED OPEN-AIR DINING PAVILION ADDITION TO THE WOMEN'S RESTROOM; SHOWERS; ADA ACCESSIBLE PIER DECKING TO MID-PAVILION OPEN-AIR STRUCTURE WITH VIEWING/FISHING PLATFORMS; AND ADDITIONAL ADA ACCESSIBLE PIER DECKING TO AN ELEVATED END SUNSET PAVILION WITH VIEWING / FISHING PLATFORM.

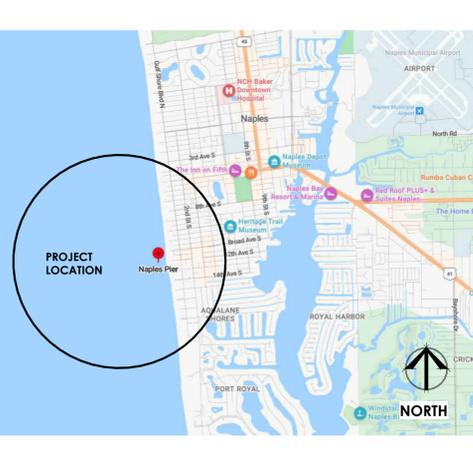
TERMITE PROTECTION:

- 1. TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMINICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION. UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES." A COPY SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL.
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS.
3. IRRIGATION & SPRINKLER SYSTEMS, INCLUDING ALL RISERS AND SPRAY HEADS, SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS.
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, CLEARANCE BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES. EXCEPTIONS:
A. PAINT OR DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL.
B. ACCESS OR VEHICLE RAMPS WHICH RISE TO THE INTERIOR FINISH FLOOR ELEVATION FOR THE WIDTH OF SUCH RAMPS ONLY.
C. A 4-INCH INSPECTION SPACE ABOVE PATIO AND GARAGE SLABS AND ENTRY AREAS.
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACK FILL IS COMPLETE. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED.
6. BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH A PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT.
7. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED.
8. CONCRETE OVER POUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT.
9. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURES SIDEWALLS.
10. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED.
11. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.
12. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL.
13. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING.

MATERIAL LEGEND:

Table with 3 columns of material symbols and names: BRICK, STEEL, RIGID INSULATION, EARTH, UNDISTURBED EARTH, GRAVEL, STRUCTURAL CONCRETE, CERAMIC TILE, ALUMINUM, PLYWOOD, SHINGLES, SIDING, GYP. BD., LUMBER, BLOCKING, FINISH WOOD, GLASS, CMU.

PROJECT LOCATION MAP:



CODE ANALYSIS: FBC 8TH ED 2023:

APPLICABLE CODES:
- CITY OF NAPLES MUNICIPAL CODE
- FLORIDA BUILDING CODE 8TH EDITION (2023)
- FLORIDA FIRE PREVENTION CODE 8TH EDITION (2023)
- FLORIDA BUILDING CODE / ACCESSIBILITY 8TH EDITION (2023)
- FLORIDA MECHANICAL CODE 8TH EDITION (2023)
- FLORIDA PLUMBING CODE 8TH EDITION (2023)
- FLORIDA ENERGY CONSERVATION CODE 8TH EDITION (2023)
- NATIONAL ELECTRIC CODE (2020)
SITE ADDRESS: 25 12TH AVENUE SOUTH, NAPLES FL 34102
ZONING: EXISTING R1-15 / NO CHANGES
FEMA FLOOD ZONE: AE 9 (2024) MENS/WOMENS EXISTING RESTROOM
VE 11 (2024) [CONCESSIONS/ CONCESSIONS STORAGE/ PIER STOR.]
VE 13 (2024) [MID-PAVILION & END PAVILION]
OCCUPANCY: ASSEMBLY AS
BUILDING TYPE: TYPE IV (HEAVY TIMBER) / TYPE III B UNPROTECTED
SPRINKLER: NON-SPRINKLED
TOTAL OCCUPANT LOAD CALCULATION
(PER FBC 2023 TABLE 1004.5, NFPA 7.3.1.2)
CONCESSIONS (KITCHEN) 509 SF (200 GROSS) 3 PERSONS
CONCESSIONS (STORAGE) 60 SF (300 GROSS) 1 PERSON
CONCESSIONS (WAITING) 294 SF (5 NET) 59 PERSONS
CONCESSIONS (DINING) 643 SF (15 NET) 43 PERSONS
PIER STORAGE 65 SF (300 GROSS) 1 PERSON
MENS RESTROOMS 613 SF (50 GROSS) 13 PERSONS
WOMENS RESTROOM 613 SF (50 GROSS) 13 PERSONS
SHOWERS 306 SF (5 NET) 62 PERSONS
END PAVILION / DECK 3464 SF (5 NET) 693 PERSONS
MID PAVILION 1 / DECK 1 2245 SF (5 NET) 449 PERSONS
MID PAVILION 2 / DECK 2 2245 SF (5 NET) 449 PERSONS
BUMPPOINTS (16) 81 SF (5 NET) (16) 260 PERSONS
TOTAL 2,046 PERSONS
ALLOWABLE AREA (PER FBC 2023 TABLE 506.2)
ALLOWED UNLIMITED
PROPOSED (ENCLOSED, UNDER ROOF): MENS RESTROOM/ CONCESSION AND STORAGE ADDITION 1247 SF WOMENS RESTROOM: 613 SF
ALLOWABLE HEIGHT (PER FBC 2023 TABLE 504.3A)
ALLOWED TYPE IV: 65', TYPE III B = 55'
PROPOSED MAX. ROOF HEIGHT = 35'-2"
ALLOWABLE STORIES (PER FBC 2023 TABLE 504.4)
ALLOWED UNLIMITED (TYPE IV AND TYPE III)
PROPOSED 1
ALLOWABLE TRAVEL DISTANCE (PER FBC 2023 TABLE 1017.2)
ALLOWED 20'
PROPOSED 99'-8"
CORRIDOR WIDTH (PER FBC 2023 TABLE 1020.3)
MINIMUM ALLOWED = 44"
MINIMUM ALLOWED W/OCCUP. LOAD LESS THAN 50 = 36"
PROPOSED 12" = 144" (PIER) CORRIDOR
DEAD ENDS (PER FBC 2023 TABLE 1020.5)
ALLOWED 20'
PROPOSED N/A
NUMBER OF EXITS (PER FBC 2023 TABLE 1006.3.2)
REQUIRED 1
PROPOSED 1
PLUMBING FIXTURE REQUIREMENTS: NO CHANGE TO COUNT EXISTING FIXTURES TO BE REPLACED WITH NEW
ZONING INFORMATION
LOT AREA: .34 ACRES, 15,000 SF (CODE, MINIMUM)
SETBACKS
FRONT: 40 FEET
SIDE: 10 FEET
SIDE: 10 FEET
MAXIMUM HEIGHT: 30' ABOVE 12' NAVD = 42' NAVD (2019)
MINIMUM PARKING: NO CHANGE
LOT COVERAGE: N/A

FEMA INFORMATION

FIRM #1:2021C DATED 2024
BASE FLOOD ELEVATION: (CONCESSIONS) 11' NAVD (2024) (MID & END PAVILIONS) 13' NAVD (2024)
DESIGN FLOOD ELEVATION: (CONCESSIONS) 12' NAVD (2024) (MID & END PAVILIONS) 14' NAVD (2024)

DRAWING INDEX:

Table with 2 columns: Sheet Number, Sheet Name. Lists drawing sheets from G.100 COVER SHEET to S.5.2 DETAILS.

PROJECT DESIGN TEAM:

MARINE & ENVIRONMENTAL CONSULTING
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NAPLES PIER RECONSTRUCTION
25 12th Ave S., Naples FL 34102

FLORIDA SEAL
REG# AR 16971

Table with 2 columns: SHEET ISSUE DATE, REVISION. Shows dates 3/19/2024 and 5/13/2024.

PROJECT INFORMATION

PHASE PR NO CD 23118

G.100

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FLORIDA SEAL
REG# AR 16971

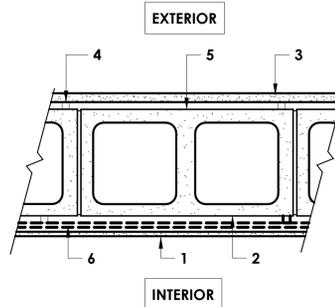
SHEET ISSUE DATE	3/19/2024
BID REVISION 1	5/13/2024

BUILDING SYSTEMS & PARTITION TYPES

PHASE CD
PR NO 23118

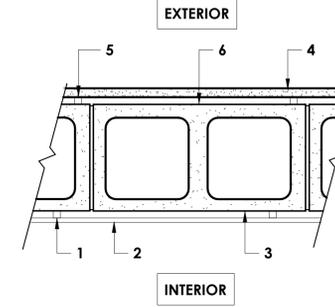
G.200

A EXISTING HARDIE ARTISAN LAP SIDING / NEW DUR-A-WALL VC WAINSCOT



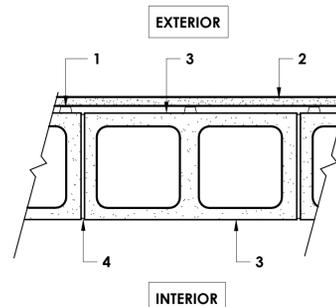
1. NEW DUR-A-WALL VC WAINSCOT
2. EXISTING 8" MASONRY UNIT WALL.
3. EXISTING 7 1/4" HARDIE ARTISAN LAP SIDING INSTALLED AT 1 1/4" OVERLAP. REPAINT
4. EXISTING 1"x1" PRESSURE TREATED FURRING STRIPS AT 16" O.C.
5. EXISTING HARDIE WRAP WEATHER BARRIER.
6. EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO BE REMOVED (BASE BID) EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO REMAIN (ALTERNATE BID)

B EXISTING HARDIE ARTISAN LAP SIDING/EXISTING IPE WOOD (REFINISH)



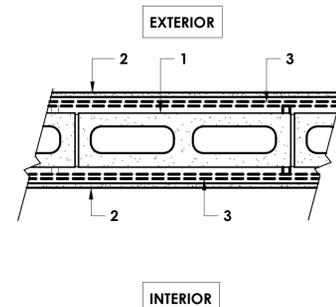
1. EXISTING 1"x1" PRESSURE TREATED FURRING STRIPS AT 12" O.C.
2. EXISTING 1"x4" IPE WOOD, DOUBLE GROOVED, HUNG HORIZONTALLY WITH IPE CLIP FASTENERS. REFINISH
3. EXISTING 8" MASONRY UNIT WALL.
4. EXISTING 7 1/4" HARDIE ARTISAN LAP SIDING INSTALLED AT 1 1/4" OVERLAP. REPAINT.
5. EXISTING 1"x1" PRESSURE TREATED FURRING STRIPS AT 16" O.C.
6. EXISTING HARDIE WRAP WEATHER BARRIER.

C EXISTING/NEW - HARDIE ARTISAN LAP SIDING/EXPOSED CEMENT BLOCK



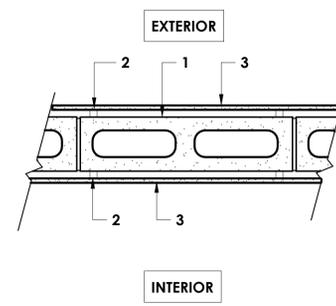
- C**
1. EXISTING 7/8" MTL. HAT CHANNEL STUDS AT 12" O.C.
 2. EXISTING 7 1/4" HARDIE ARTISAN LAP SIDING INSTALLED AT 1 1/4" OVERLAP. REPAINT
 3. EXISTING 8" MASONRY UNIT WALL. (REPAINT)
 4. TOOLED JOINTS.
- C1**
1. NEW 7/8" MTL. HAT CHANNEL STUDS AT 12" O.C.
 2. NEW 7 1/4" HARDIE ARTISAN LAP SIDING INSTALLED AT 1 1/4" OVERLAP. (PAINT)
 3. NEW 8" MASONRY UNIT WALL. (PAINT)
 4. TOOLED JOINTS.

D NEW DUR-A-WALL VC WAINSCOT / NEW DUR-A-WALL VC WAINSCOT



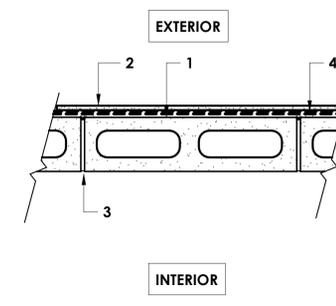
1. EXISTING 4" MASONRY UNIT WALL.
2. NEW DUR-A-WALL VC WAINSCOT
3. EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO BE REMOVED (BASE BID) EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO REMAIN (ALTERNATE BID)

E EXISTING IPE WOOD (REFINISH) / EXISTING IPE WOOD (REFINISH)



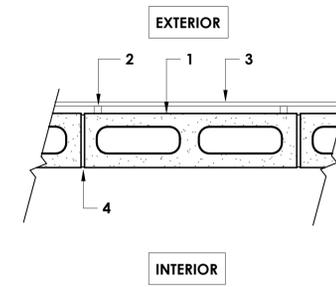
1. EXISTING 4" MASONRY UNIT WALL.
2. EXISTING 1X PRESSURE TREATED FURRING STRIPS AT 12" O.C.
3. EXISTING 1"x4" IPE WOOD, DOUBLE GROOVED, HUNG HORIZONTALLY WITH IPE CLIP FASTENERS. REFINISH

F NEW DUR-A-WALL WAINSCOT / EXISTING CONCRETE BLOCK (REPAINT)



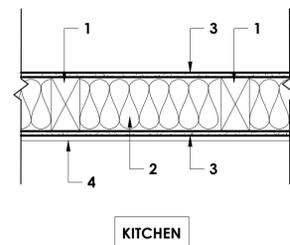
1. EXISTING 4" MASONRY UNIT WALL.
2. NEW DUR-A-WALL VC WAINSCOT
3. TOOLED JOINTS.(REPAINT)
4. EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO BE REMOVED (BASE BID) EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO REMAIN (ALTERNATE BID)

G EXISTING IPE WOOD (REFINISH) / EXISTING CONCRETE BLOCK (REPAINT)



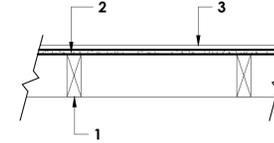
1. EXISTING 4" MASONRY UNIT WALL.
2. EXISTING 1X PRESSURE TREATED FURRING STRIPS AT 12" O.C.
3. EXISTING 1"x4" IPE WOOD, DOUBLE GROOVED, HUNG HORIZONTALLY WITH IPE CLIP FASTENERS. REFINISH
4. TOOLED JOINTS.

H NEW INTERIOR PT WOOD STUD WALL / FRP



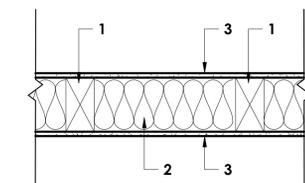
1. NEW 2X4 P.T. WOOD STUD @ 24" O.C.
2. NEW SOUND BATT INSULATION AS REQUIRED.
3. NEW 1/2" PAPERLESS DRYWALL.
4. NEW FIBERGLASS REINFORCED PLASTIC PANELS

K NEW PT EXTERIOR WOOD STUD WALL/NEW HARDIE ART. LAP SIDING



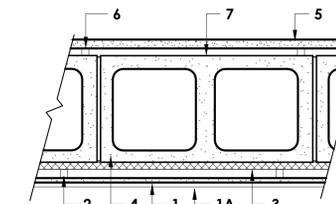
1. NEW 2" x 6" PT WOOD STUDS @ 24" O.C.
2. NEW 7/16" ADVANTECH ZIP BOARD
3. NEW 7 1/4" HARDIE ARTISAN LAP SIDING INSTALLED @ 1 1/4" OVERLAP

H1 NEW INTERIOR PT WOOD STUD WALL



1. NEW 2X4 P.T. WOOD STUD @ 24" O.C.
2. NEW SOUND BATT INSULATION AS REQUIRED.
3. NEW 1/2" PAPERLESS DRYWALL.

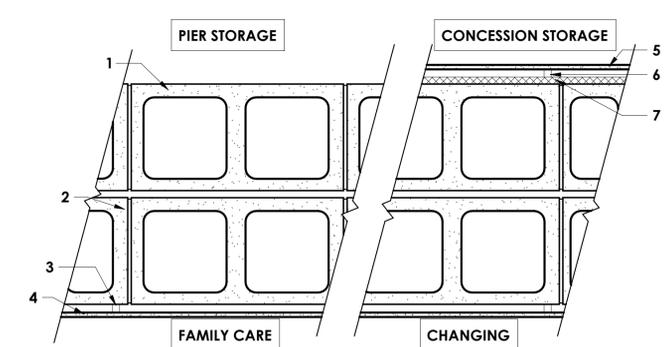
I NEW HARDIE ARTISAN LAP SIDING / FRP



1. NEW 1/2" PAPERLESS DRYWALL.
- 1A. NEW FIBERGLASS REINFORCED PLASTIC PANELS.
2. NEW 1"x1" PRESSURE TREATED FURRING STRIPS AT 12" O.C.
3. NEW 1" CONTINUOUS RIGID INSULATION PER ENERGY CALCULATIONS.
4. NEW 8" MASONRY UNIT WALL.
5. NEW 7 1/4" HARDIE ARTISAN LAP SIDING INSTALLED AT 1 1/4" OVERLAP.
6. NEW 1" x 1" PRESSURE TREATED FURRING STRIPS @ 16" O.C.
7. NEW HARDIE WRAP WEATHER BARRIER.

J EXISTING MASONRY WALL / NEW SEPARATION WALL

1. NEW 8" MASONRY UNIT WALL WITH 1" SEPARATION GAP FROM EXISTING CMU
2. EXISTING 8" MASONRY UNIT WALL (REMOVE EXISTING EXTERIOR LAP SIDING AND FURRING).
3. EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO BE REMOVED (BASE BID) EXISTING FURRING, BACKER BOARD & EPOXY FINISH TO REMAIN (ALTERNATE BID)
4. NEW DUR-A-WALL VC WAINSCOT (BELOW) EXISTING 1"x4" IPE WOOD, DOUBLE GROOVED, HUNG HORIZONTALLY WITH IPE CLIP FASTENERS. REFINISH (ABOVE)
5. NEW 1/2" PAPERLESS DRYWALL.
6. NEW 1"x1" PRESSURE TREATED FURRING STRIPS AT 12" ON CENTER.
7. NEW 1" RIGID INSULATION PER ENERGY CALCULATIONS



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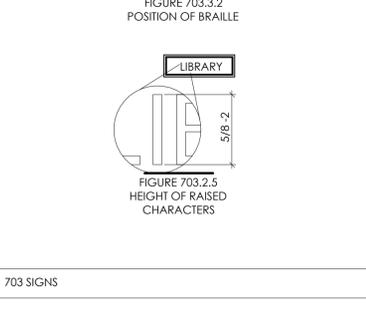
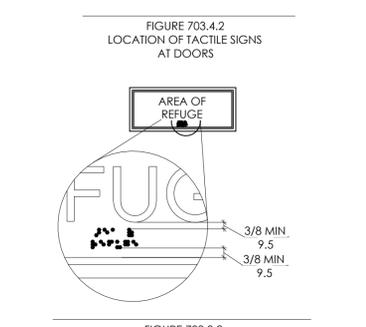
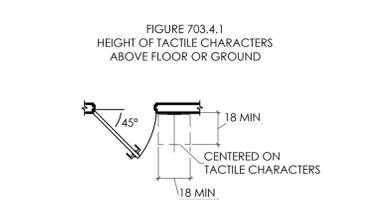
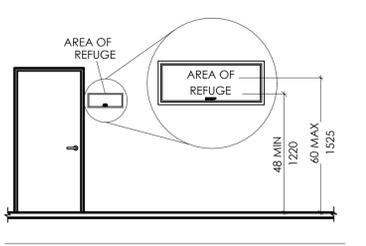
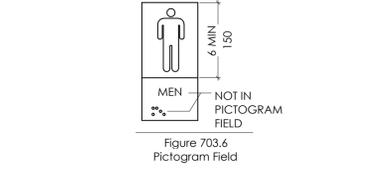
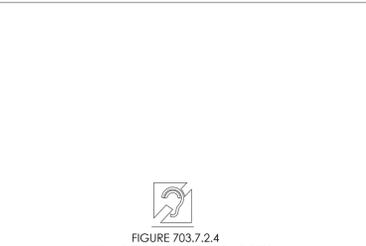
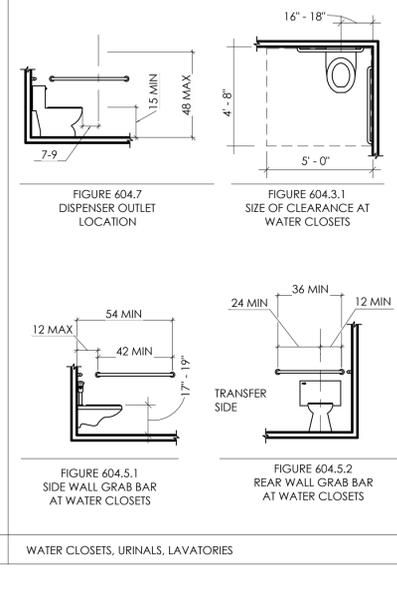
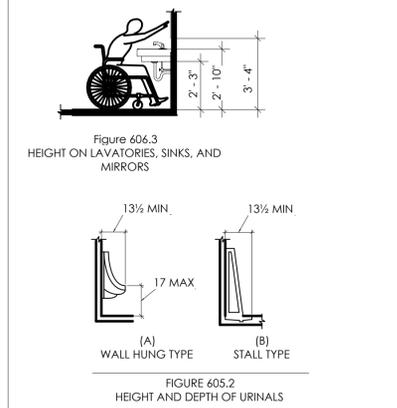
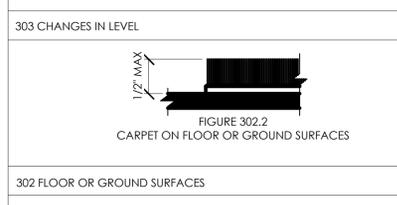
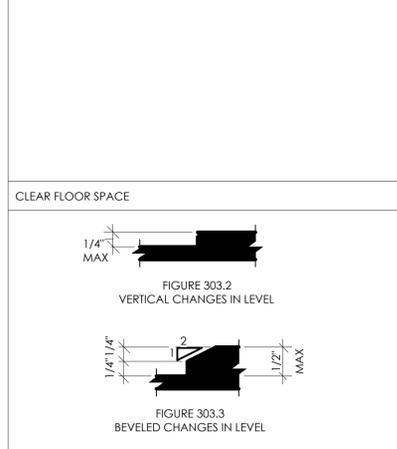
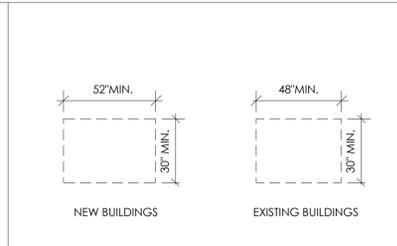
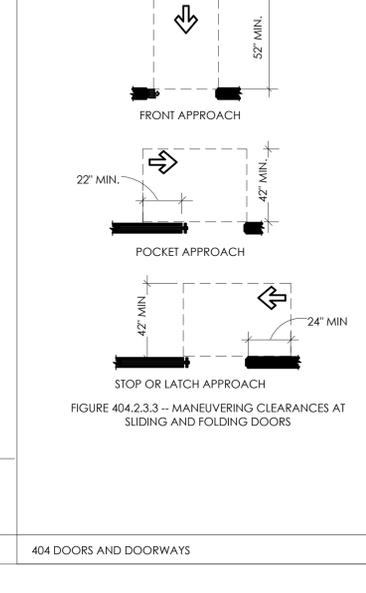
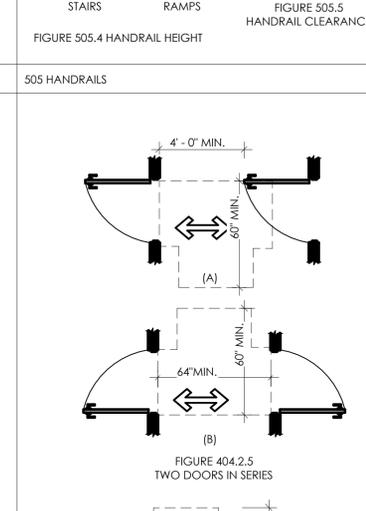
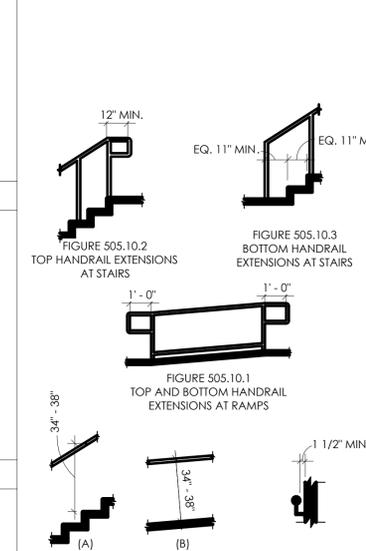
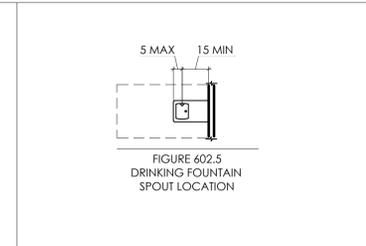
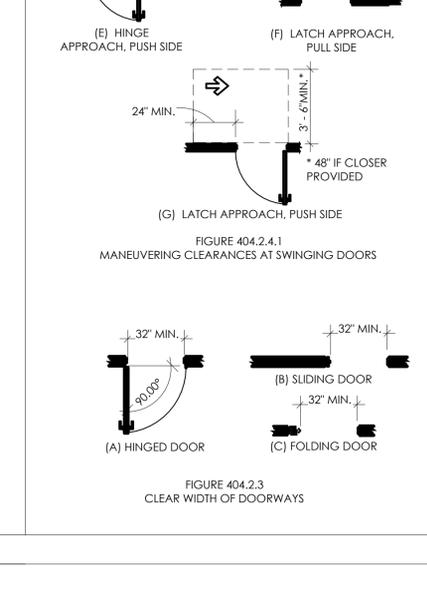
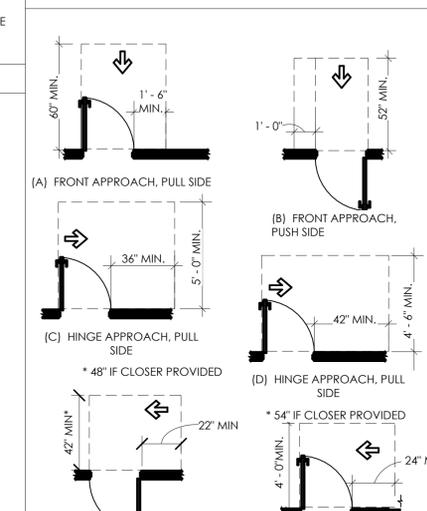
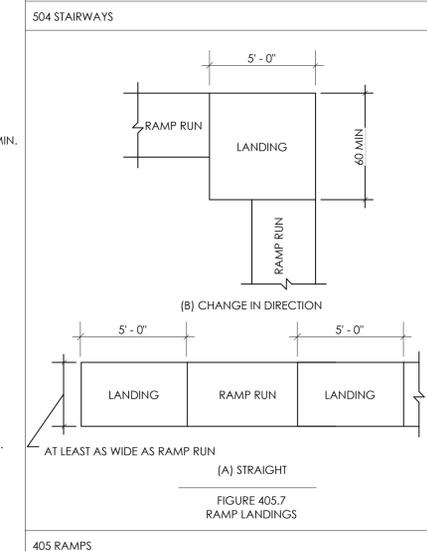
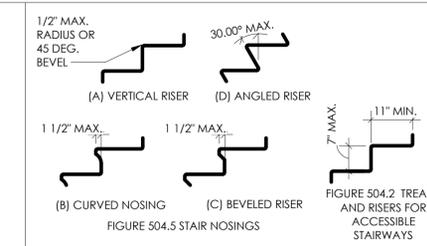
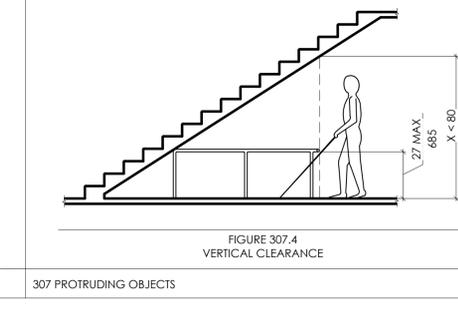
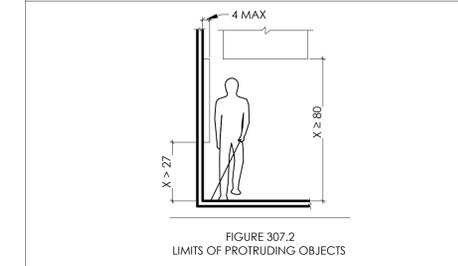
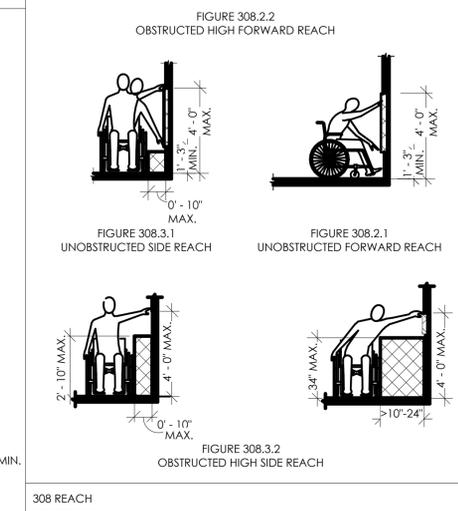
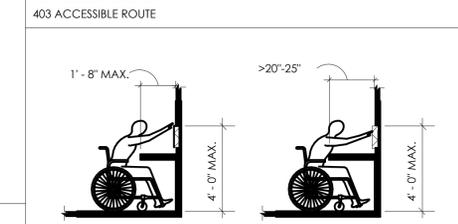
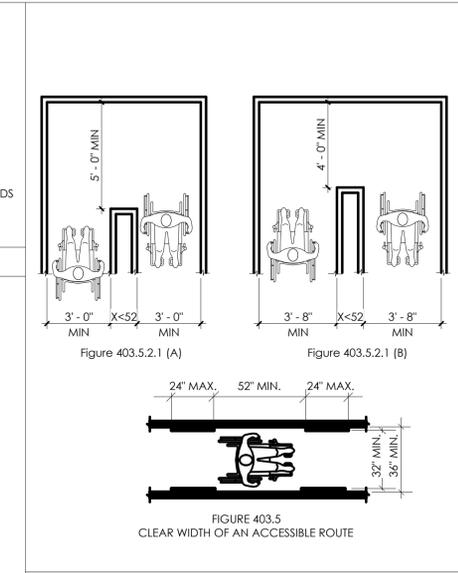
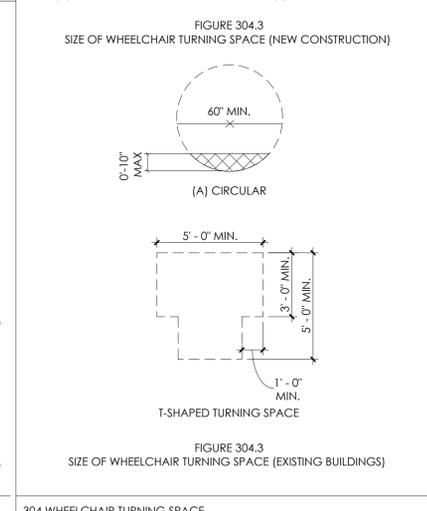
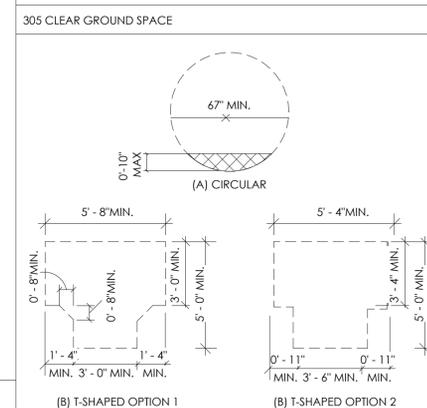
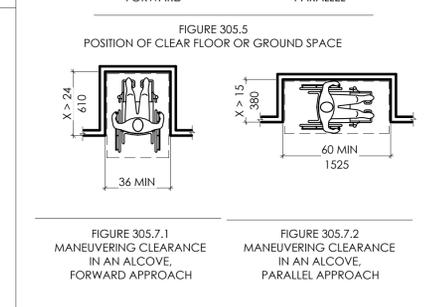
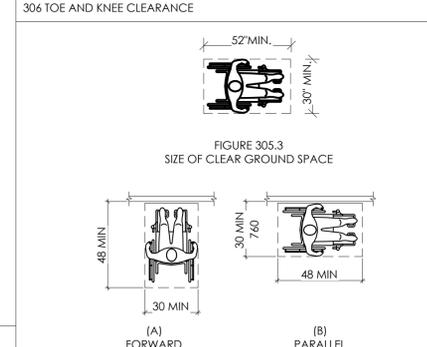
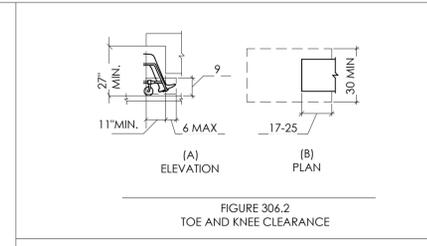
SHEET ISSUE DATE
3/19/2024
BID

ADA COMPLIANCE

PHASE CD
PR NO 23118

LS.100

FBC - ANSI 117 Requirements
SCALE: 1/4" = 1'-0"



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LIFE SAFETY PLAN

PHASE CD
PR NO 23118

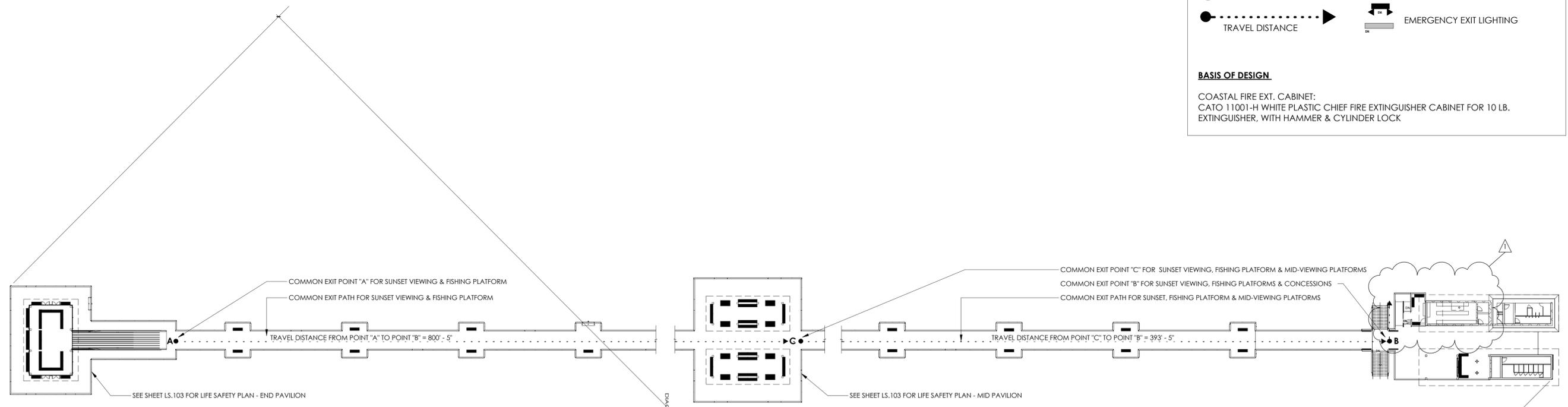
LS.102

LIFE SAFETY LEGEND

- INDICATES CMU WALL
- INDICATES PARTITION WALL
- INDICATES CONCRETE WALL
- INDICATES LOCATION OF 1-HOUR RATED WALL
- INDICATES LOCATION OF 2-HOUR RATED WALL
- S FE SURFACE MOUNTED FIRE EXTINGUISHER, 2A-10BC W/ COASTAL CABINET
- FR FE RECESSED FIRE EXTINGUISHER, 2A:K W/ IN S.S. CABINET
- EXIT SIGNAGE / DIRECTION
- WALL TYPES
- EMERGENCY EXIT LIGHTING
- TRAVEL DISTANCE

BASIS OF DESIGN

COASTAL FIRE EXT. CABINET:
CATO 11001-H WHITE PLASTIC CHIEF FIRE EXTINGUISHER CABINET FOR 10 LB. EXTINGUISHER, WITH HAMMER & CYLINDER LOCK



1 OVERALL LIFE SAFETY PLAN
SCALE: 1/32" = 1'-0"



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LIFE SAFETY PLAN
- ENLARGED
PLANS

PHASE CD
PR NO 23118

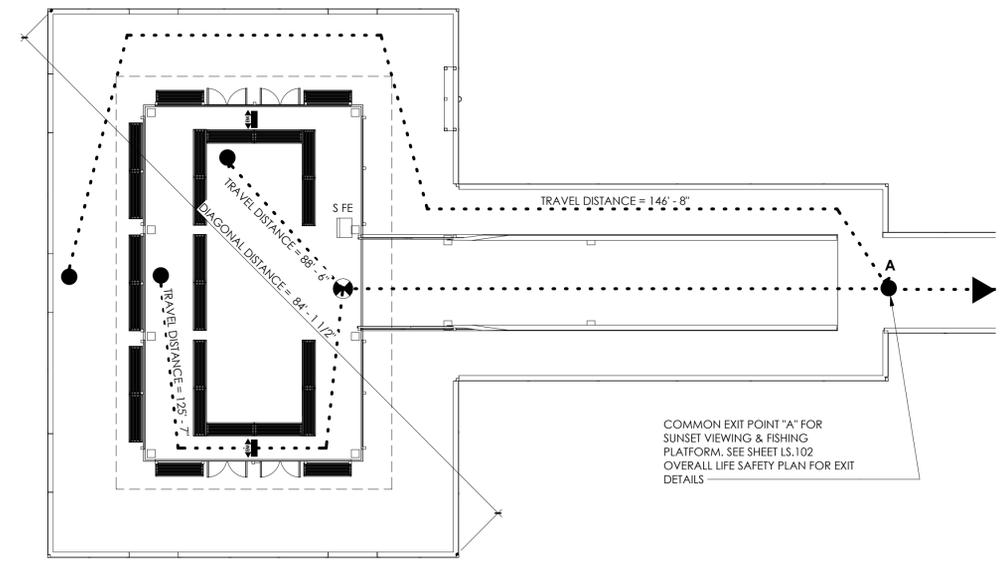
LS.103

LIFE SAFETY LEGEND

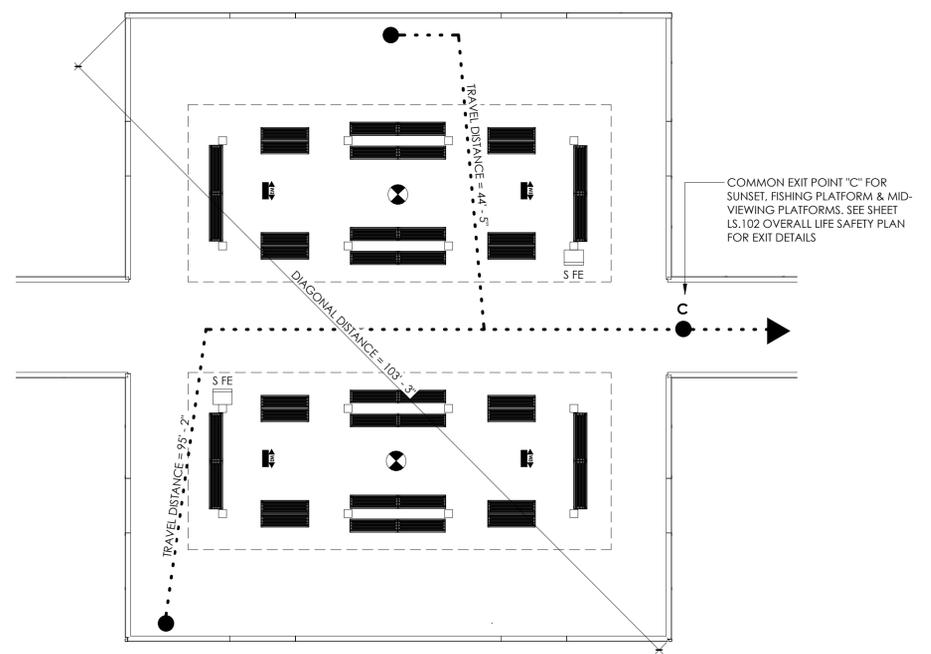
- INDICATES CMU WALL
- INDICATES PARTITION WALL
- INDICATES CONCRETE WALL
- INDICATES LOCATION OF 1-HOUR RATED WALL
- INDICATES LOCATION OF 2-HOUR RATED WALL
- S FE SURFACE MOUNTED FIRE EXTINGUISHER, 2A-10BC W/ COASTAL CABINET
- FR FE RECESSED FIRE EXTINGUISHER, 2A:K W/ IN S.S. CABINET
- EXIT SIGNAGE / DIRECTION
- TRAVEL DISTANCE
- WALL TYPES
- EMERGENCY EXIT LIGHTING

BASIS OF DESIGN

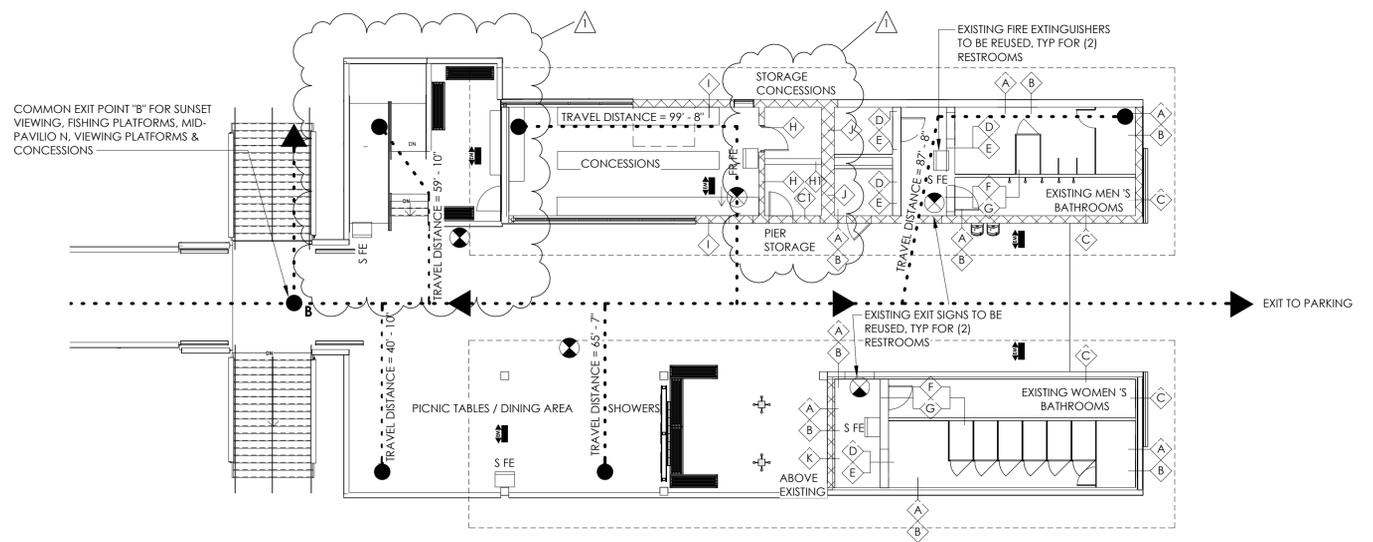
COASTAL FIRE EXT. CABINET:
CATO 11001-H WHITE PLASTIC CHIEF FIRE EXTINGUISHER CABINET FOR 10 LB. EXTINGUISHER. WITH HAMMER & CYLINDER LOCK



1 LIFE SAFETY PLAN - END-PAVILION
SCALE: 3/32" = 1'-0"



2 LIFE SAFETY PLAN - MID-PAVILION
SCALE: 3/32" = 1'-0"



3 LIFE SAFETY PLAN - PIER ACCESS
SCALE: 3/32" = 1'-0"



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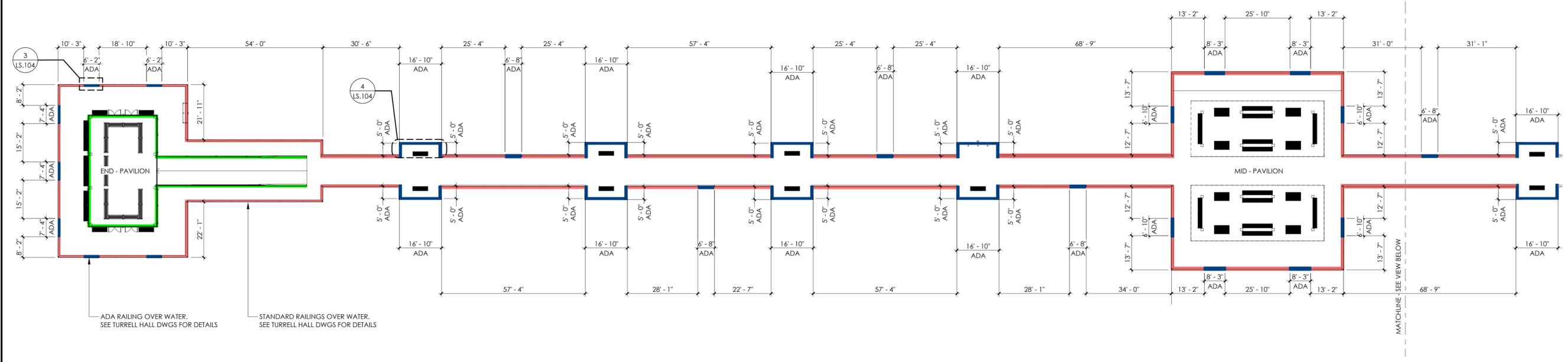
ADA RAILING PLAN

PHASE PR NO CD 23118

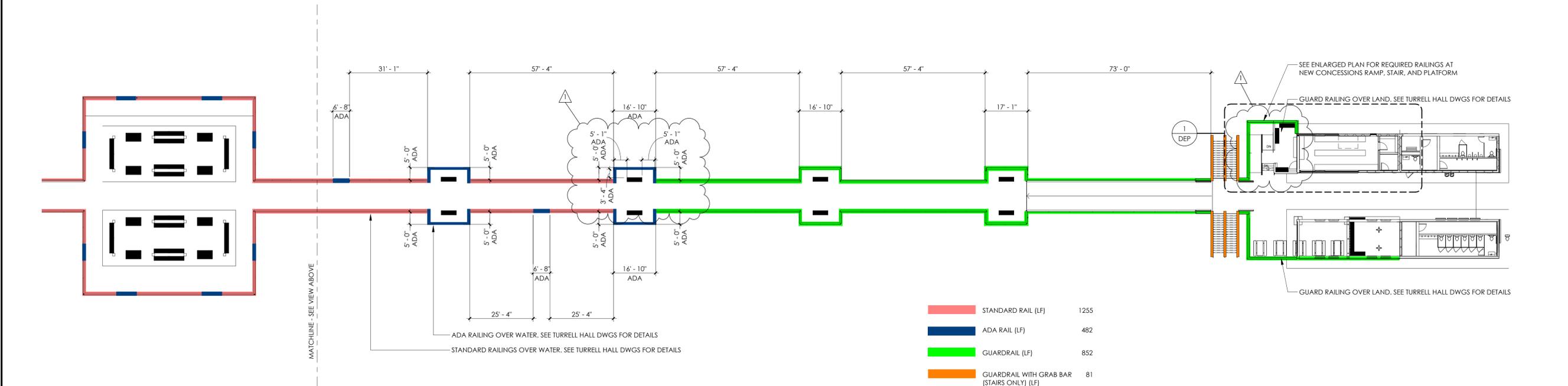
LS.104

3 ADA RAILING @ PAVILIONS
SCALE: 1/4" = 1'-0"

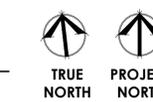
4 ADA RAILING - SEATING AREA
SCALE: 1/4" = 1'-0"



1 ADA RAILING @ SEATING AREA
SCALE: 1" = 20'-0"



2 ADA RAILING - MID-PAVILION & PIER ACCESS
SCALE: 1" = 20'-0"



5/13/2024 6:32:32 PM DRAWN BY: Soraya Hutchinson

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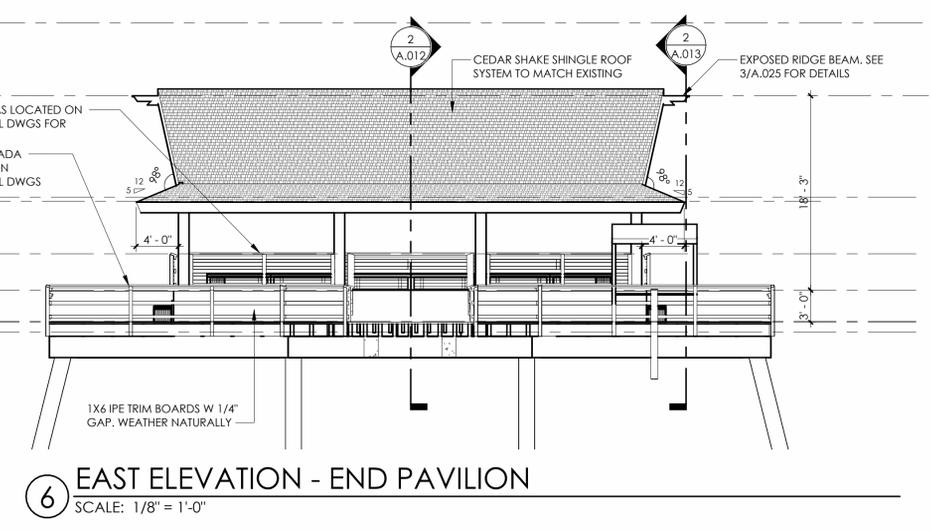
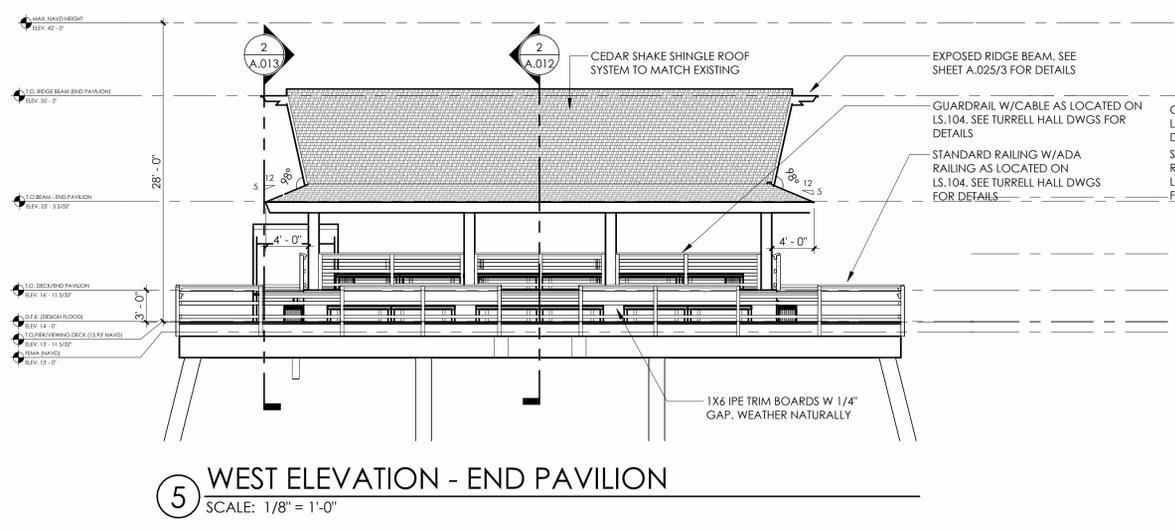
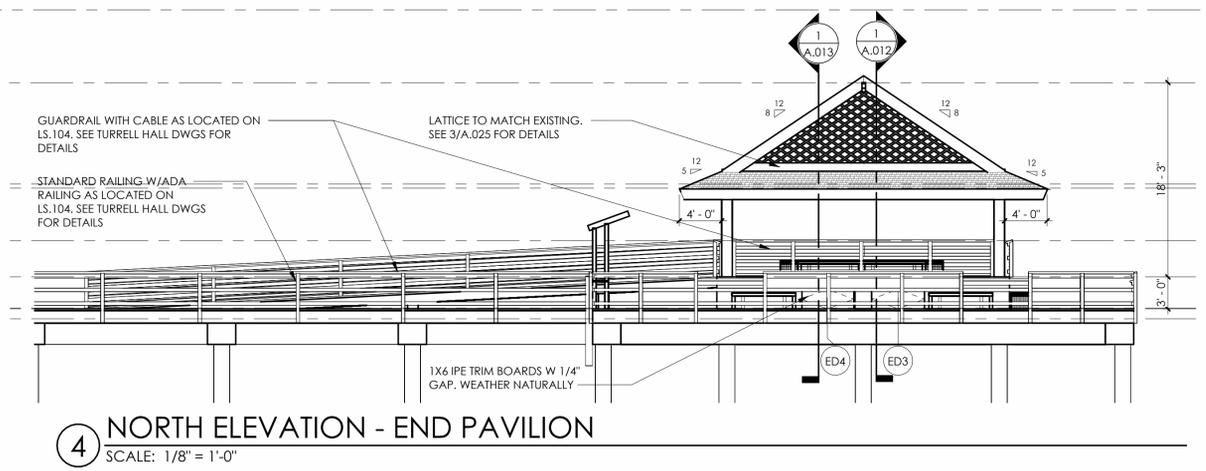
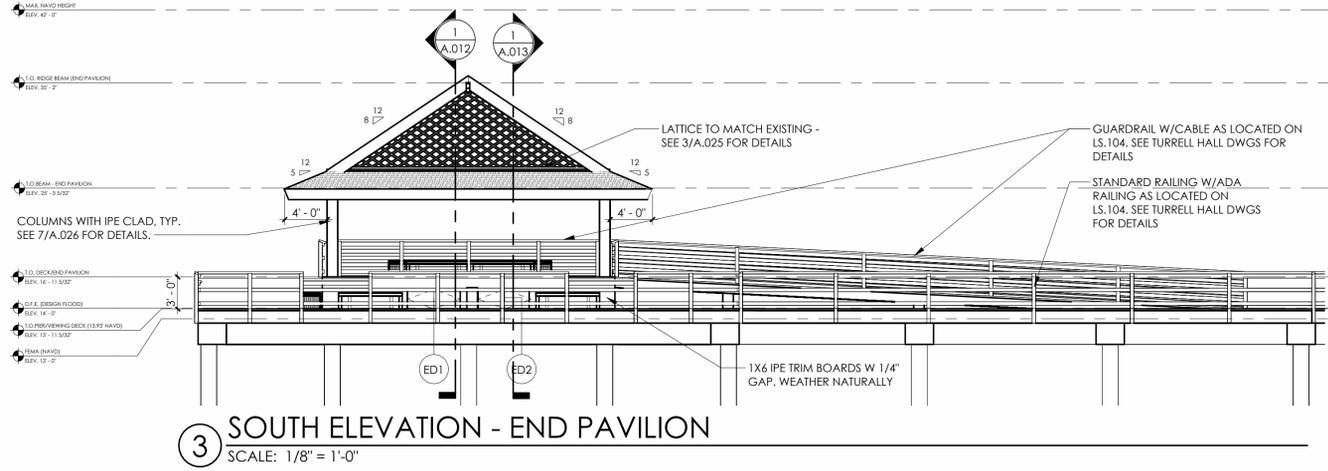
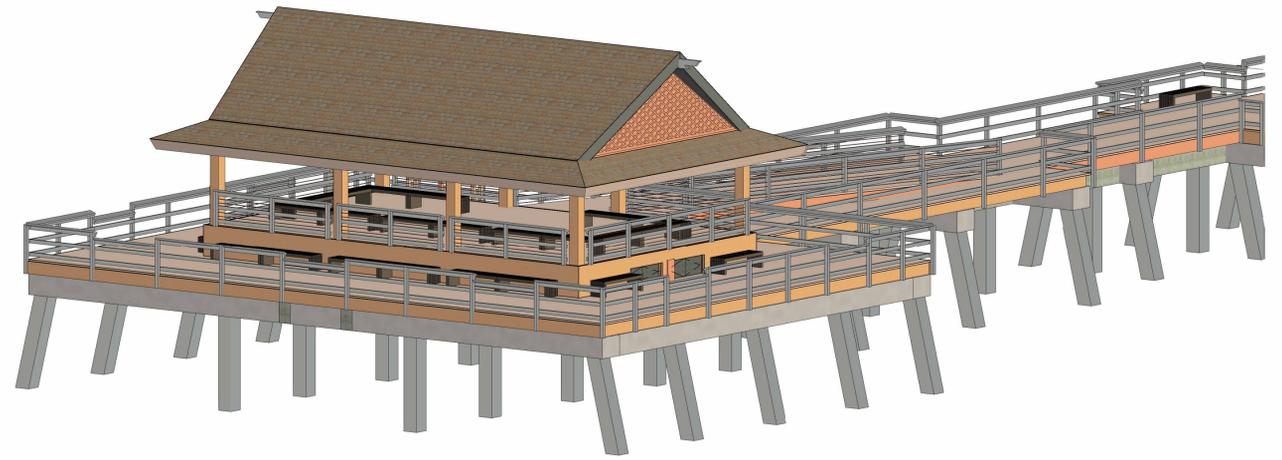
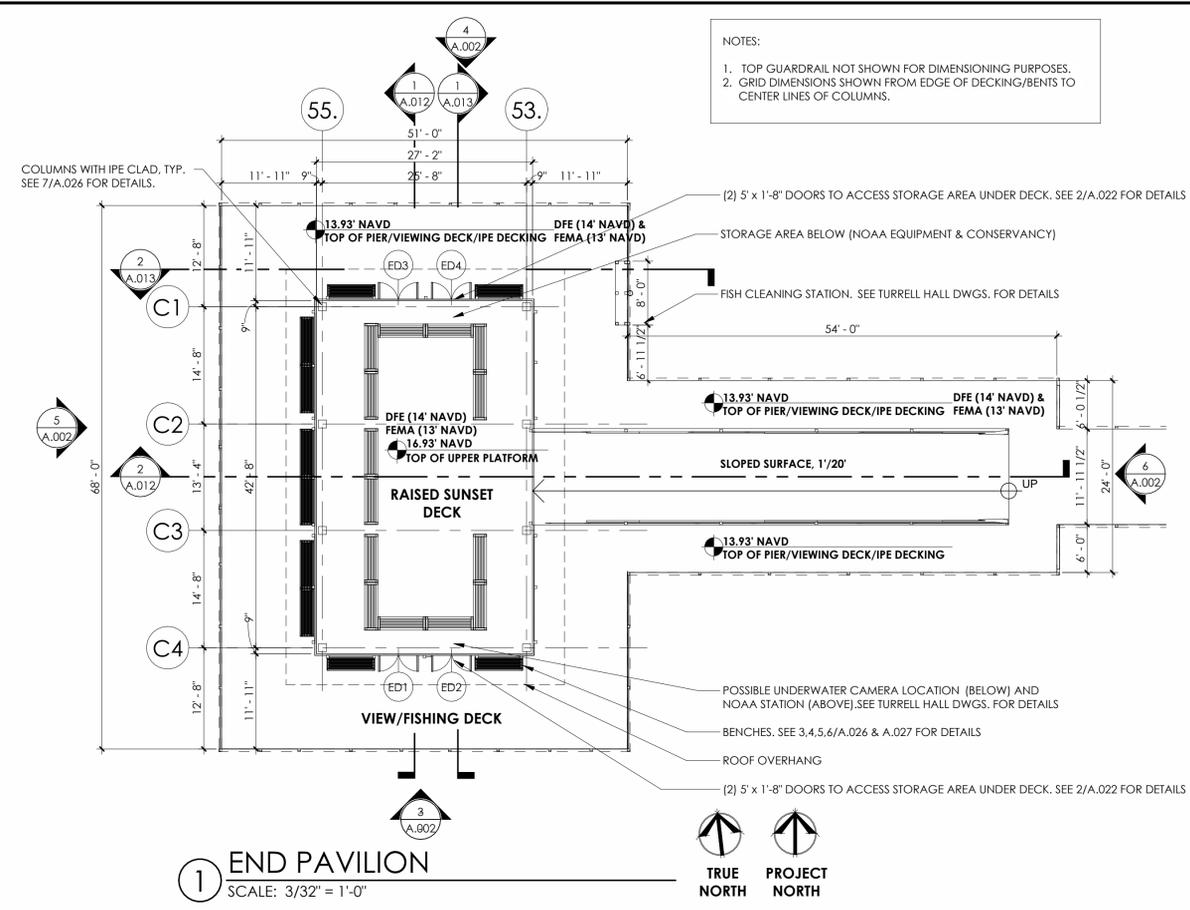
ISSUE DATE
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END-PAVILION
FLOOR PLAN /
ELEVATIONS

PHASE CD
PR NO 23118

A.002

NOTES:
1. TOP GUARDRAIL NOT SHOWN FOR DIMENSIONING PURPOSES.
2. GRID DIMENSIONS SHOWN FROM EDGE OF DECKING/BENTS TO CENTER LINES OF COLUMNS.



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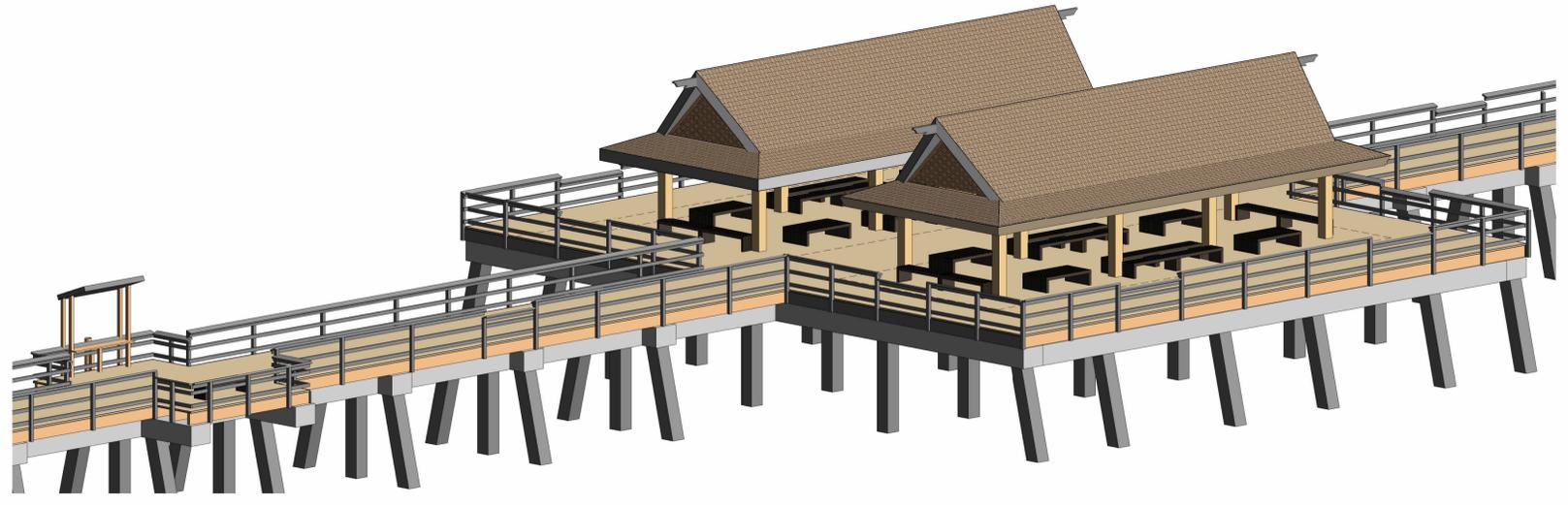
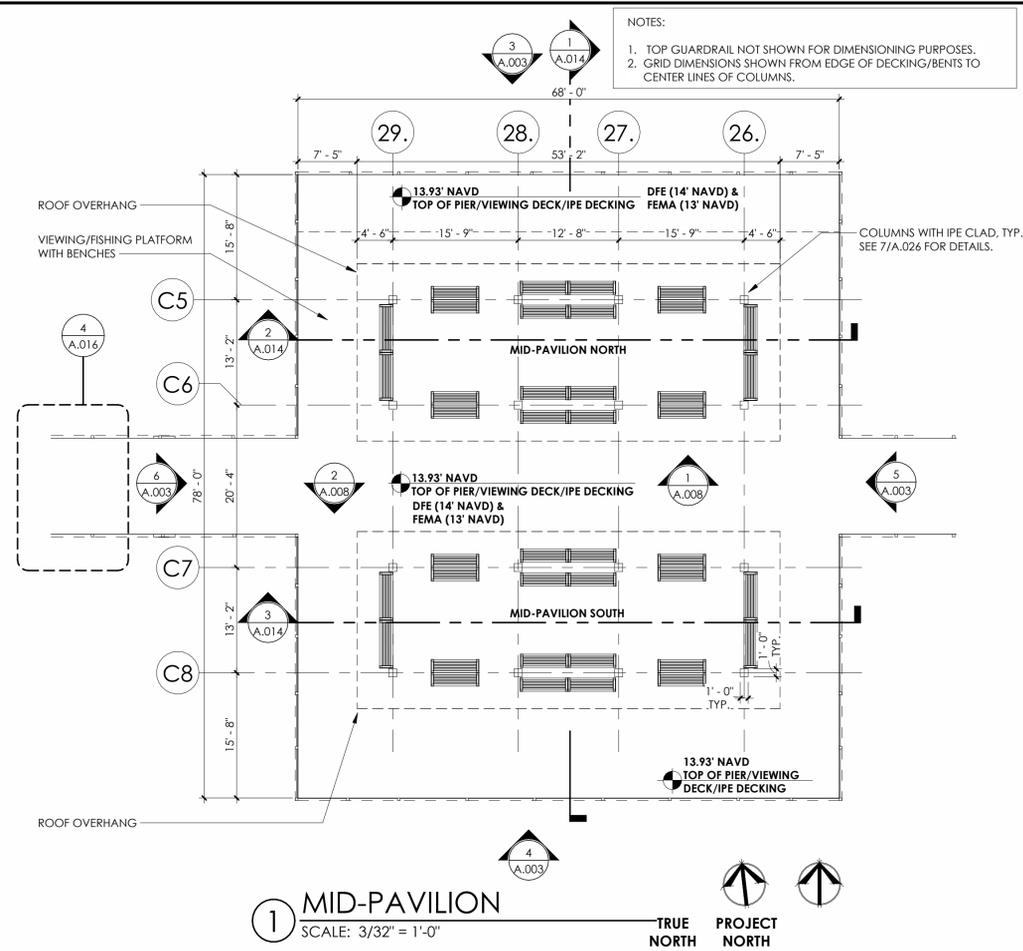
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MID-PAVILION
FLOOR PLAN /
ELEVATIONS

PHASE CD
PR NO 23118

A.003

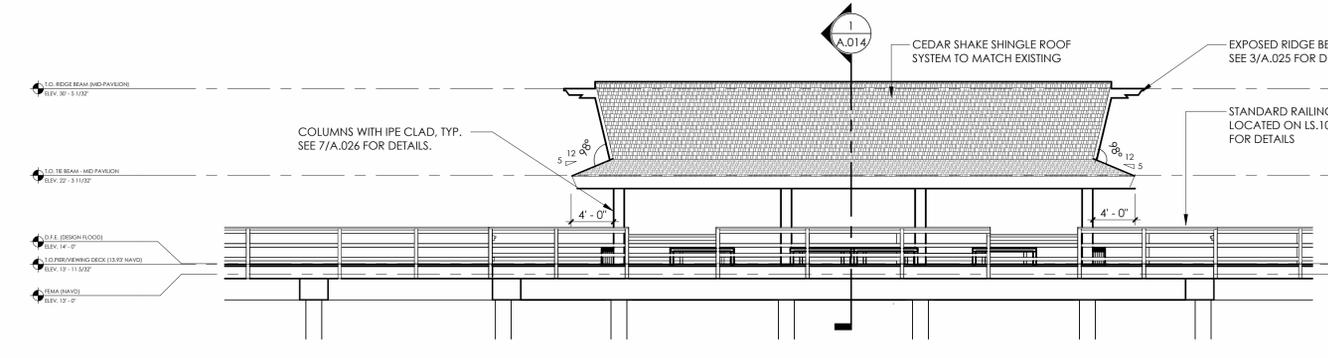
NOTES:
1. TOP GUARDRAIL NOT SHOWN FOR DIMENSIONING PURPOSES.
2. GRID DIMENSIONS SHOWN FROM EDGE OF DECKING/BENTS TO CENTER LINES OF COLUMNS.



2 3D - MID-PAVILION
NTS

1 MID-PAVILION
SCALE: 3/32" = 1'-0"
TRUE NORTH PROJECT NORTH

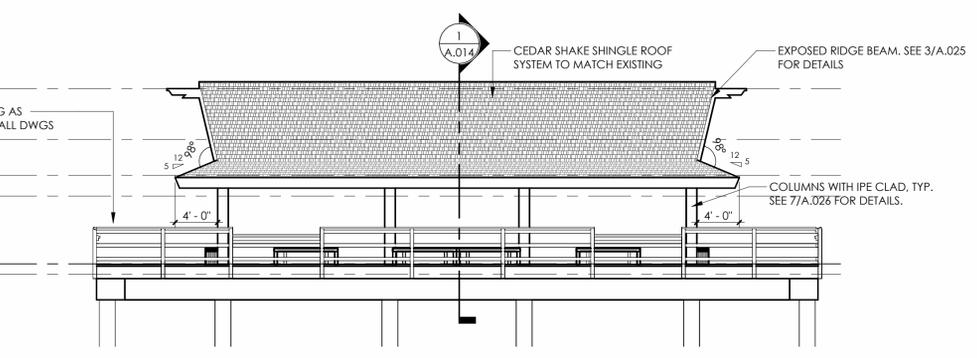
MAX NAVD HEIGHT
REV: 4/2/24



3 NORTH ELEVATION - MID PAVILION
SCALE: 1/8" = 1'-0"

1.0. RIDGE BEAM (MID-PAVILION)
REV: 30 - 3/1/22
2.0. DE BEAM (MID-PAVILION)
REV: 27 - 3/1/22
3.0. F.F. EXISTING FLOOR
REV: 14 - 0
4.0. TOP VIEWING DECK (13.93' NAVD)
REV: 13 - 11/5/22
5.0. FEMA (NAVD)
REV: 13 - 0

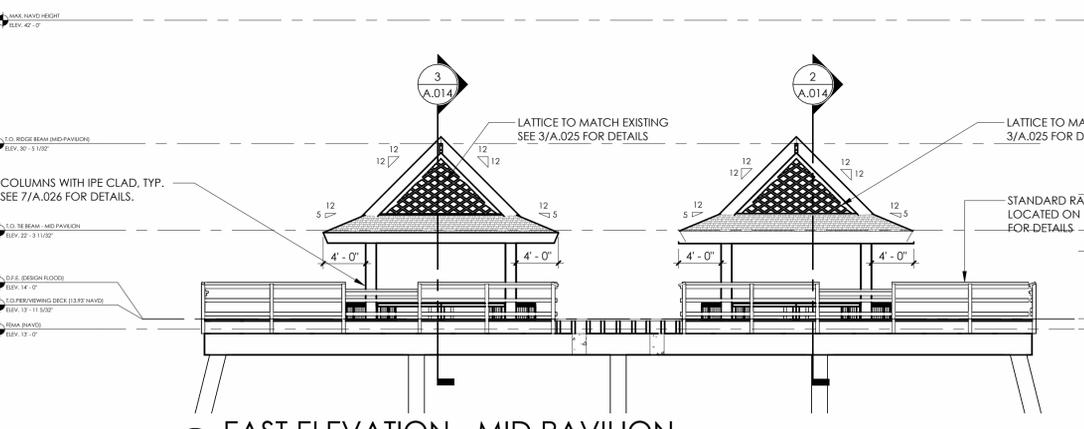
MAX NAVD HEIGHT
REV: 4/2/24



4 SOUTH ELEVATION - MID PAVILION
SCALE: 1/8" = 1'-0"

1.0. RIDGE BEAM (MID-PAVILION)
REV: 30 - 3/1/22
2.0. DE BEAM (MID-PAVILION)
REV: 27 - 3/1/22
3.0. F.F. EXISTING FLOOR
REV: 14 - 0
4.0. TOP VIEWING DECK (13.93' NAVD)
REV: 13 - 11/5/22
5.0. FEMA (NAVD)
REV: 13 - 0

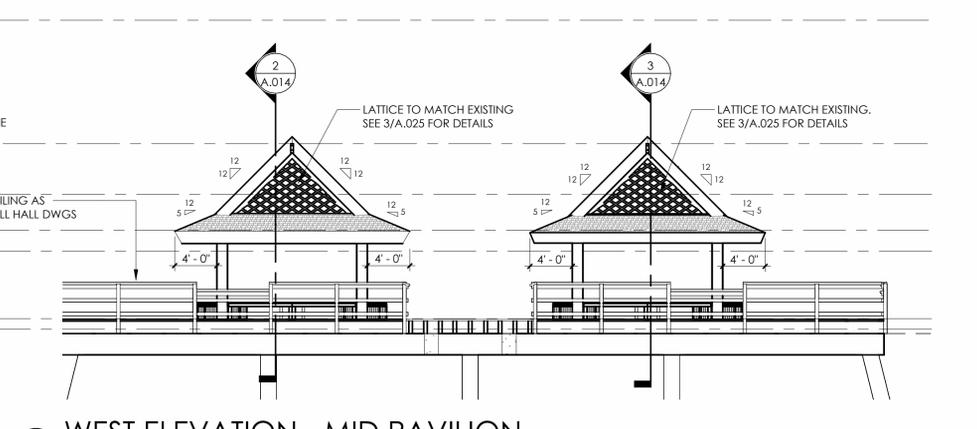
MAX NAVD HEIGHT
REV: 4/2/24



5 EAST ELEVATION - MID PAVILION
SCALE: 1/8" = 1'-0"

1.0. RIDGE BEAM (MID-PAVILION)
REV: 30 - 3/1/22
2.0. DE BEAM (MID-PAVILION)
REV: 27 - 3/1/22
3.0. F.F. EXISTING FLOOR
REV: 14 - 0
4.0. TOP VIEWING DECK (13.93' NAVD)
REV: 13 - 11/5/22
5.0. FEMA (NAVD)
REV: 13 - 0

MAX NAVD HEIGHT
REV: 4/2/24



6 WEST ELEVATION - MID PAVILION
SCALE: 1/8" = 1'-0"

1.0. RIDGE BEAM (MID-PAVILION)
REV: 30 - 3/1/22
2.0. DE BEAM (MID-PAVILION)
REV: 27 - 3/1/22
3.0. F.F. EXISTING FLOOR
REV: 14 - 0
4.0. TOP VIEWING DECK (13.93' NAVD)
REV: 13 - 11/5/22
5.0. FEMA (NAVD)
REV: 13 - 0

MAX NAVD HEIGHT
REV: 4/2/24

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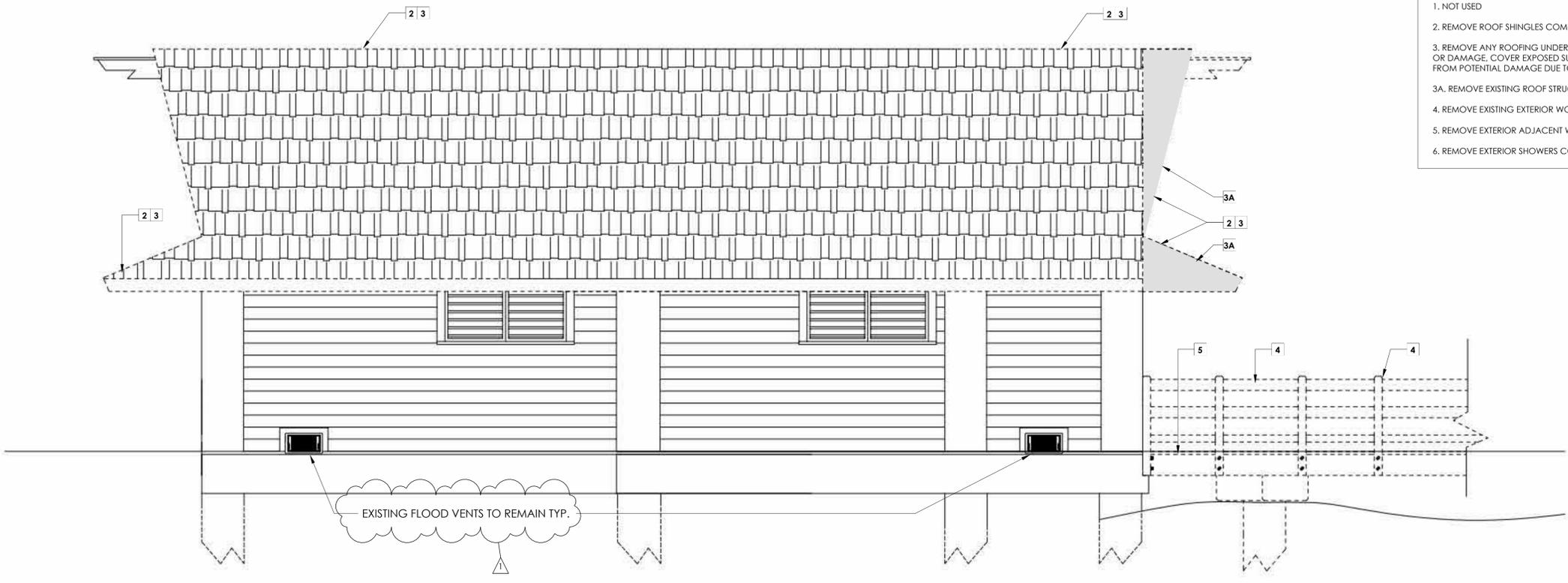
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PIER ACCESS
DEMO -
ELEVATIONS

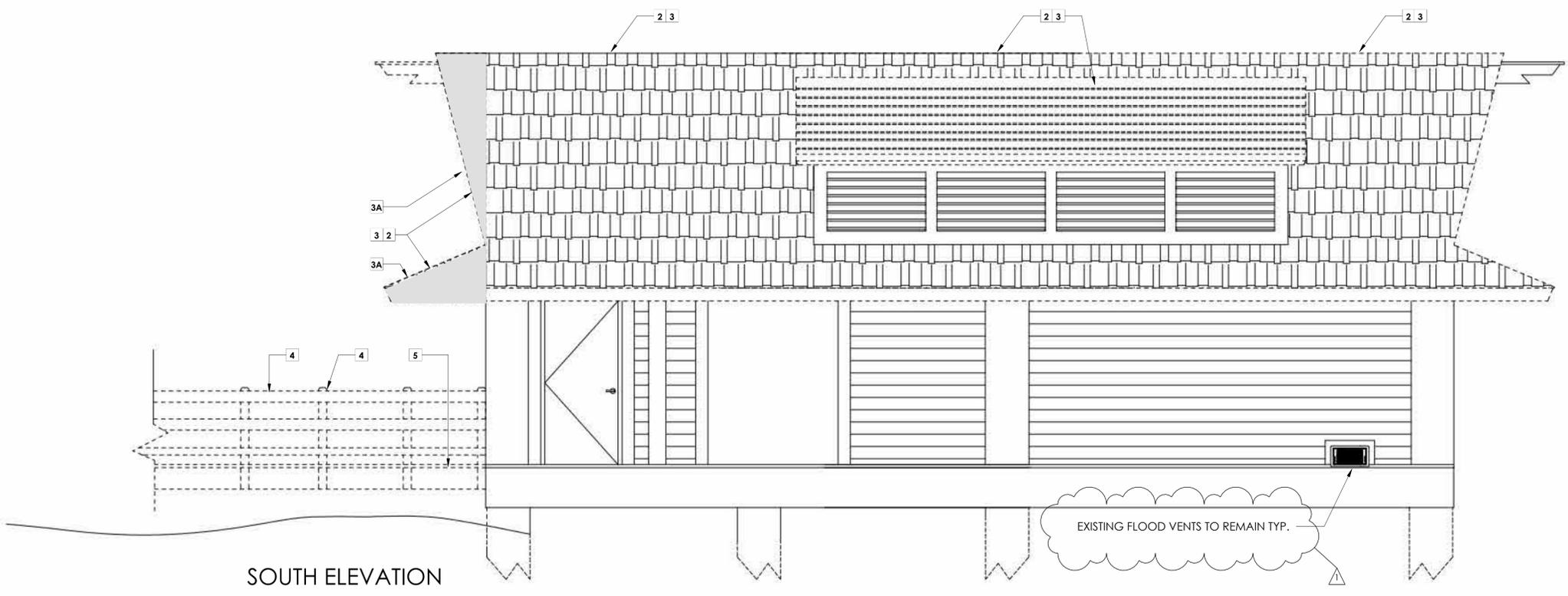
PHASE CD
PR NO 23118

A.004A

- DEMOLITION ELEVATION NOTES**
1. NOT USED
 2. REMOVE ROOF SHINGLES COMPLETE.
 3. REMOVE ANY ROOFING UNDERLAYMENT, BLOCKING OR INSULATION WITH SIGNS OF DECAY OR DAMAGE. COVER EXPOSED SURFACE TO PROTECT ROOF STRUCTURE AND INTERIOR OF BUILDING FROM POTENTIAL DAMAGE DUE TO WEATHER EXPOSURE OR UNAUTHORIZED ACCESS.
 - 3A. REMOVE EXISTING ROOF STRUCTURE THAT IS NOT REQUIRED WHEN NEW ROOF STRUCTURE IS BUILT.
 4. REMOVE EXISTING EXTERIOR WOODEN POST AND RAILING COMPLETE.
 5. REMOVE EXTERIOR ADJACENT WOOD DECK.
 6. REMOVE EXTERIOR SHOWERS COMPLETE / EXISTING SHOWERS TO BE REINSTALLED OVER NEW DECKING.



NORTH ELEVATION



SOUTH ELEVATION

1 MENS RESTROOMS - NORTH & SOUTH ELEVATIONS / DEMO
SCALE: 1/8" = 1'-0"

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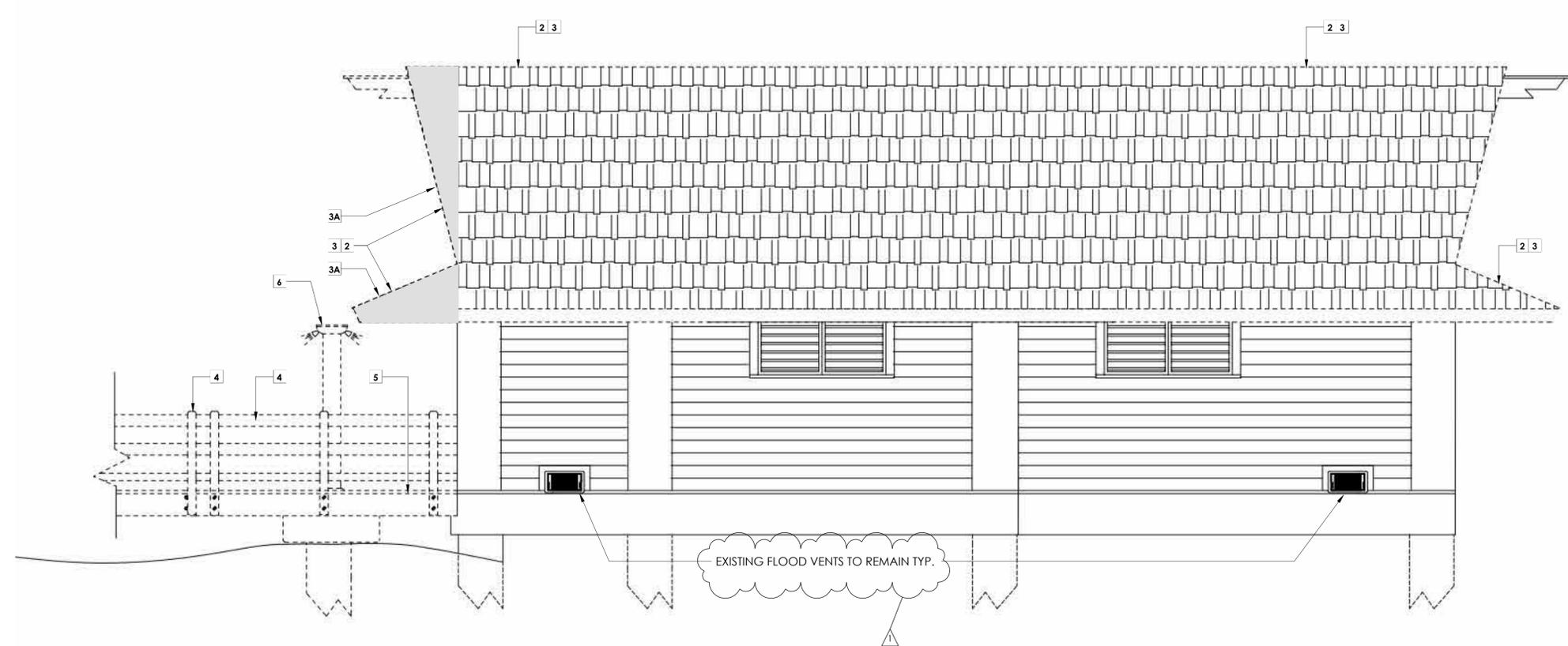
ISSUE DATE	BID REVISION
3/19/2024	1
5/13/2024	2
	3
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PIER ACCESS
DEMO -
ELEVATIONS

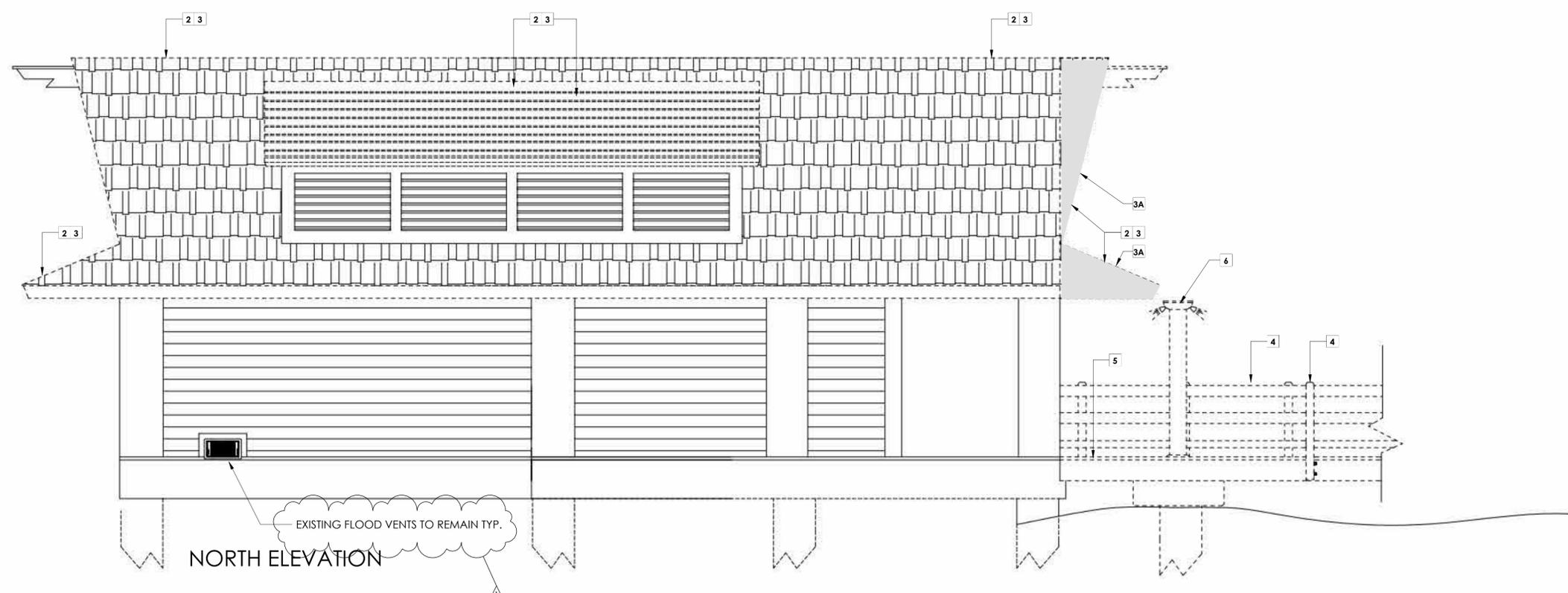
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A.004B

- DEMOLITION ELEVATION NOTES**
1. NOT USED
 2. REMOVE ROOF SHINGLES COMPLETE.
 3. REMOVE ANY ROOFING UNDERLAYMENT, BLOCKING OR INSULATION WITH SIGNS OF DECAY OR DAMAGE. COVER EXPOSED SURFACE TO PROTECT ROOF STRUCTURE AND INTERIOR OF BUILDING FROM POTENTIAL DAMAGE DUE TO WEATHER EXPOSURE OR UNAUTHORIZED ACCESS.
 - 3A. REMOVE EXISTING ROOF STRUCTURE THAT IS NOT REQUIRED WHEN NEW ROOF STRUCTURE IS BUILT.
 4. REMOVE EXISTING EXTERIOR WOODEN POST AND RAILING COMPLETE.
 5. REMOVE EXTERIOR ADJACENT WOOD DECK.
 6. REMOVE EXTERIOR SHOWERS COMPLETE / EXISTING SHOWERS TO BE REINSTALLED OVER NEW DECKING.



SOUTH ELEVATION



NORTH ELEVATION

1 WOMENS RESTROOMS - NORTH & SOUTH ELEVATIONS / DEMO
SCALE: 1/8" = 1'-0"

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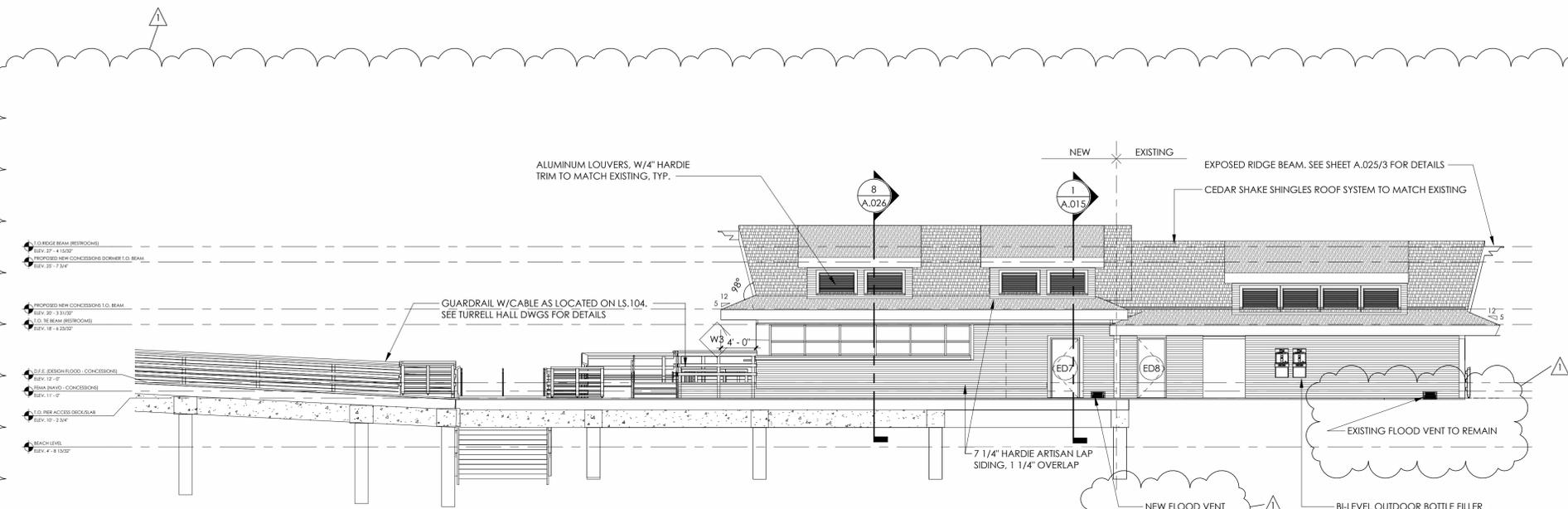
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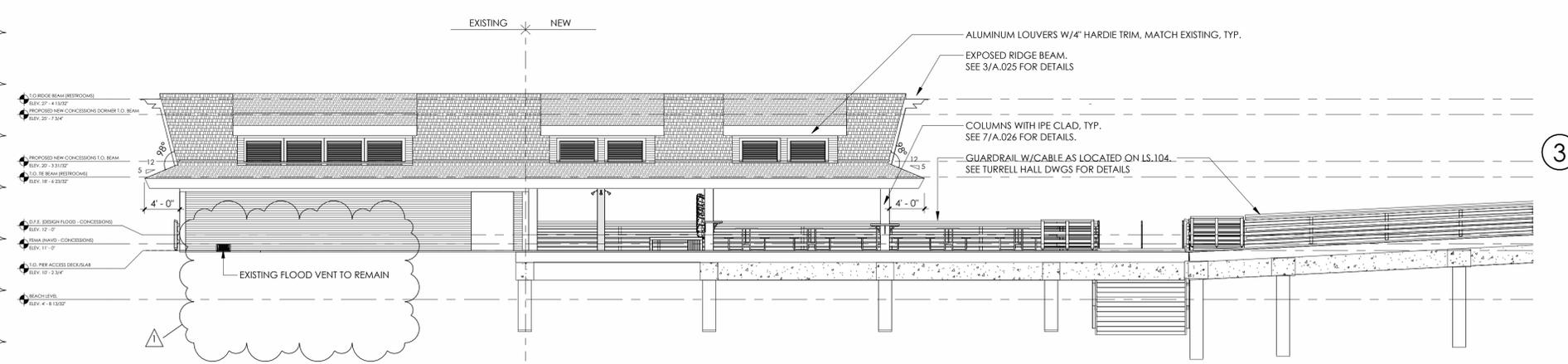
PIER ACCESS ELEVATIONS

PHASE CD
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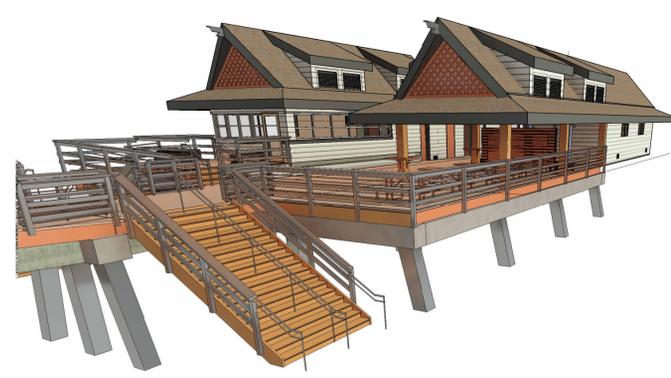
A.005A



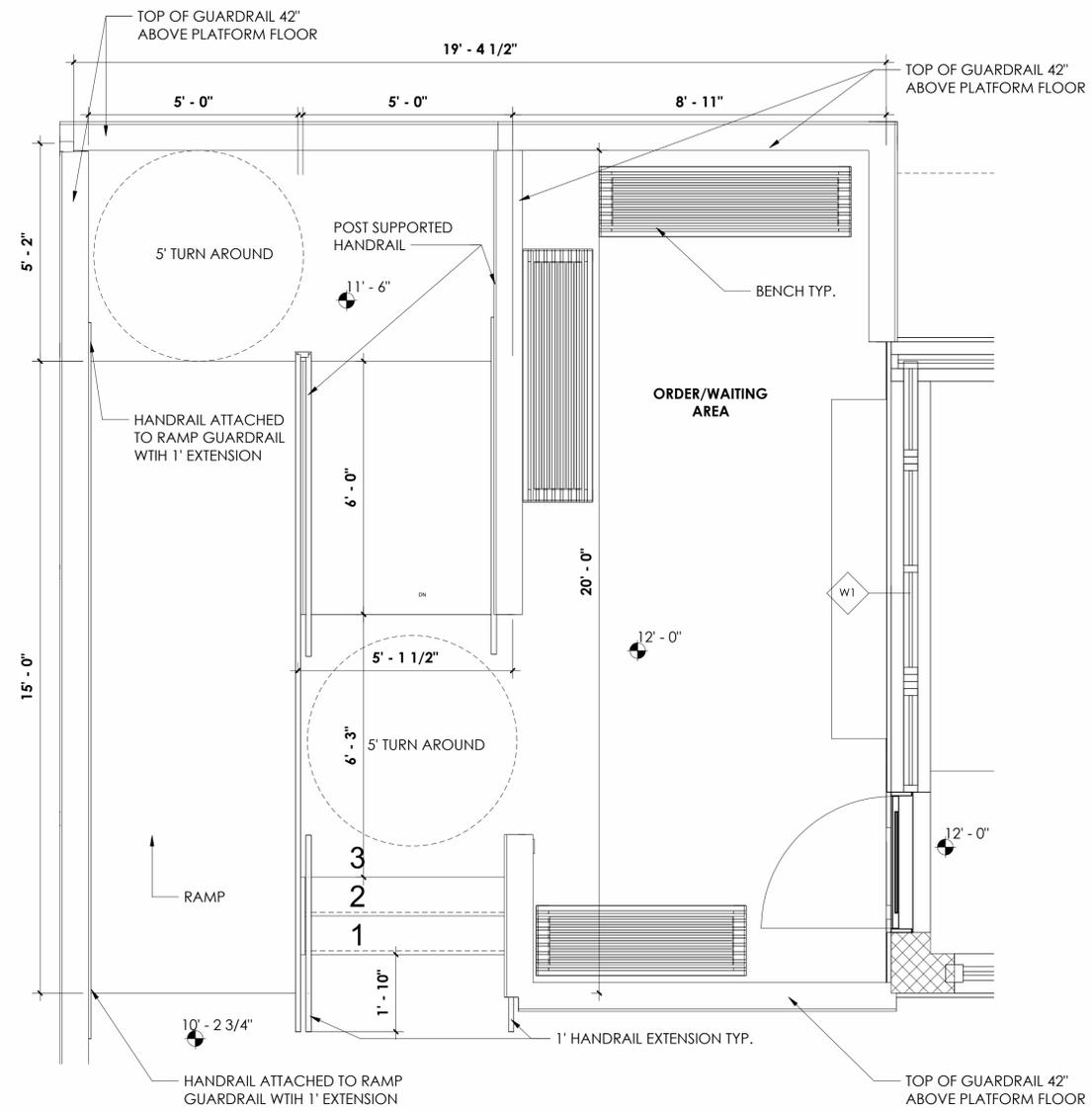
1 PARTIAL SOUTH ELEVATION - CONCESSIONS
 SCALE: 1/8" = 1'-0"



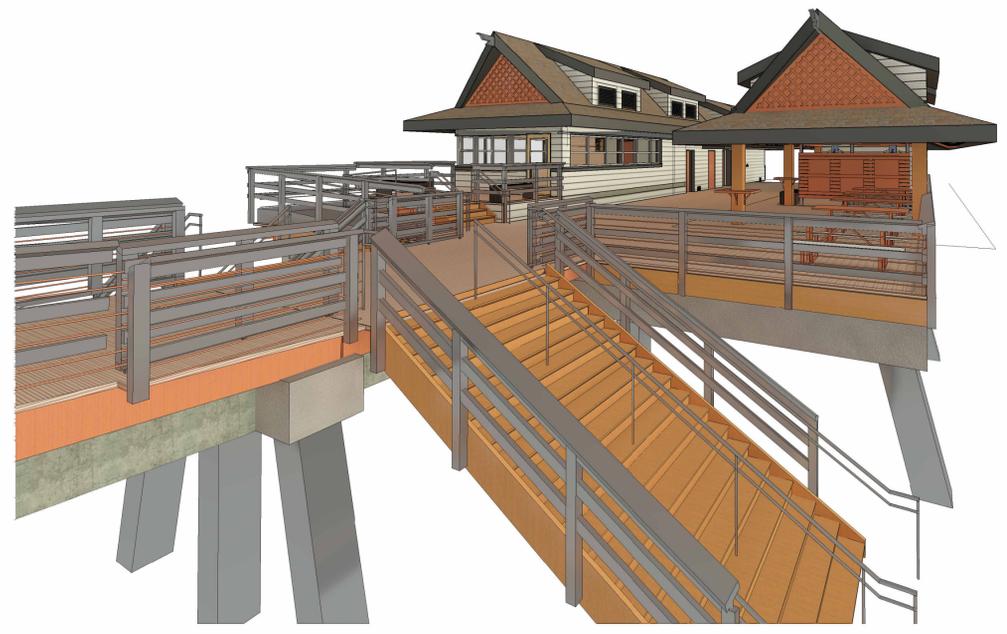
2 PARTIAL NORTH ELEVATION - SHOWERS/SEATING AREA
 SCALE: 1/8" = 1'-0"



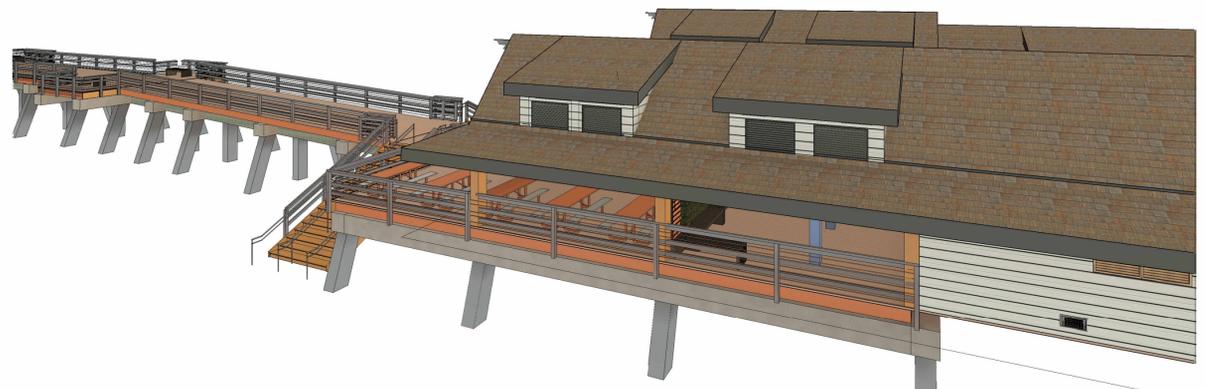
3 3D VIEW- CONCESSIONS/PICNIC/SHOWER AREAS
 SCALE:



4 CONCESSIONS WAITING AREA
SCALE: 1/2" = 1'-0"



1 3D VIEW - 1) PICNIC AREA
SCALE:



2 3D VIEW - 2) PICNIC AREA
SCALE:



3 3D VIEW - 3) PICNIC AREA
SCALE:

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3D VIEWS - PIER ACCESS

PHASE CD
PR NO 23118

A.005B

GENERAL NOTES

1. ALL NON-GALVALUM EXPOSED VERTICAL FLASHINGS TO BE PAINTED TO MATCH FIELD COLOR OF EXISTING BUILDING.

BASIS OF DESIGN: CEDAR SHAKE SHINGLE SYSTEM

CEDAR SHAKE SHINGLES: CCA TREATED CEDAR SHAKES SPLIT AND RESAWN 24" x 3/4" MEDIUM (MECH. ATTACHED AND TO MATCH EXISTING) WITH 1X6 NAILING STRIPS, 2X4 SPACERS, SIKLASTIC 621 WATERPROOFING, PLYWOOD SHEATHING PER STRUCTURAL DRAWINGS SIMILAR TO DETAILS 2/A.026

BEAM HEIGHT LEGEND

DESCRIPTION	DESCRIPTION
TOP OF BEAM AT END PAVILION = 25'-3 5/32"	
TOP OF BEAM AT MID PAVILION = 22'-3 11/32"	
TOP OF BEAM AT EXISTING MENS/WOMENS RESTROOMS, SHOWERS, O.D. DINING = 18'-6 23/32"	
TOP OF BEAM AT DORMERS = 23'-1 7/32"	
T.O. BEAM AT NEW CONCESSIONS DORMER = 25'-7 3/4"	
T.O. BEAM AT NEW CONCESSIONS = 20'-3 31/32"	
RAKED BEAM	

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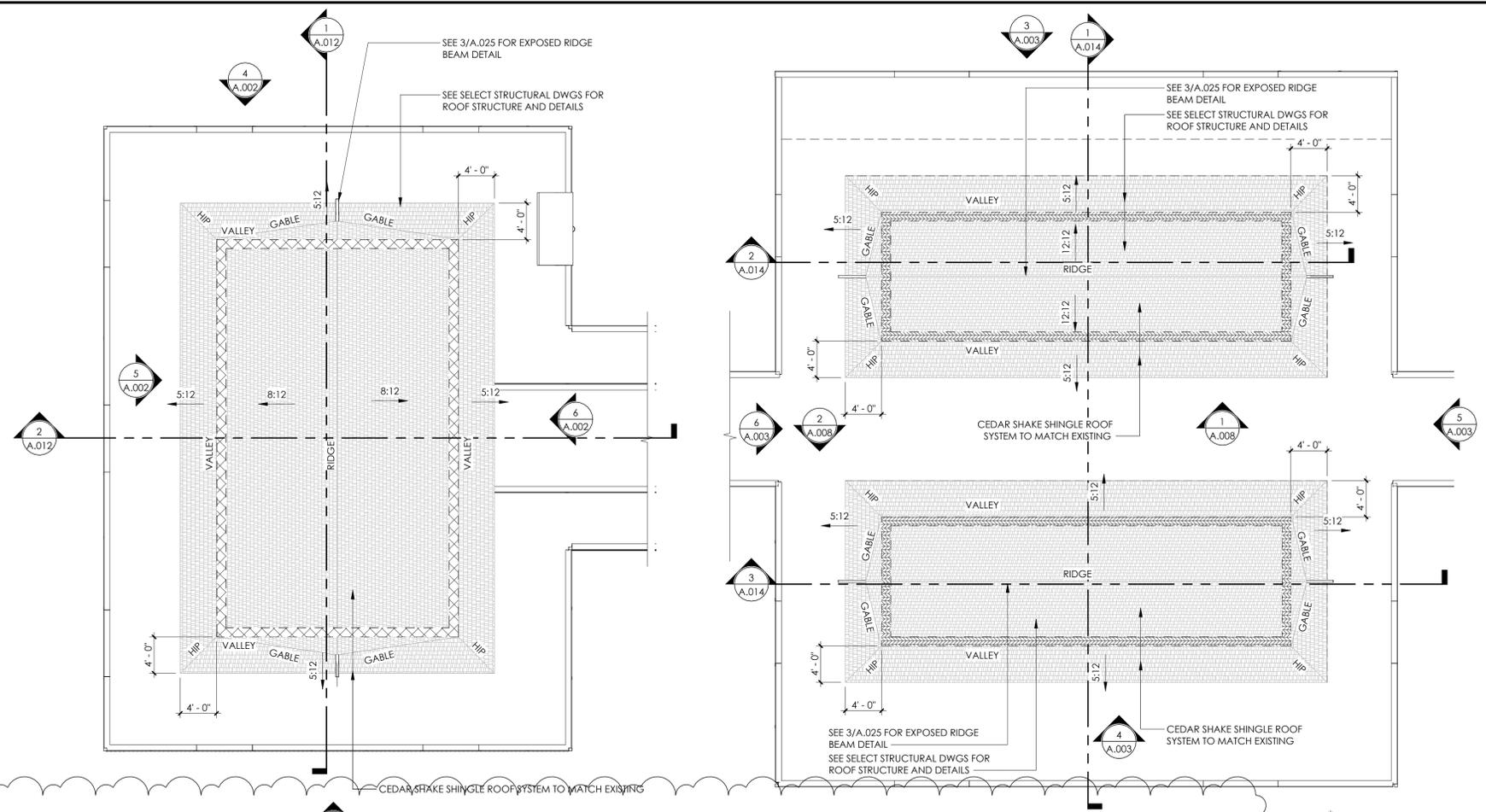
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ROOF PLANS

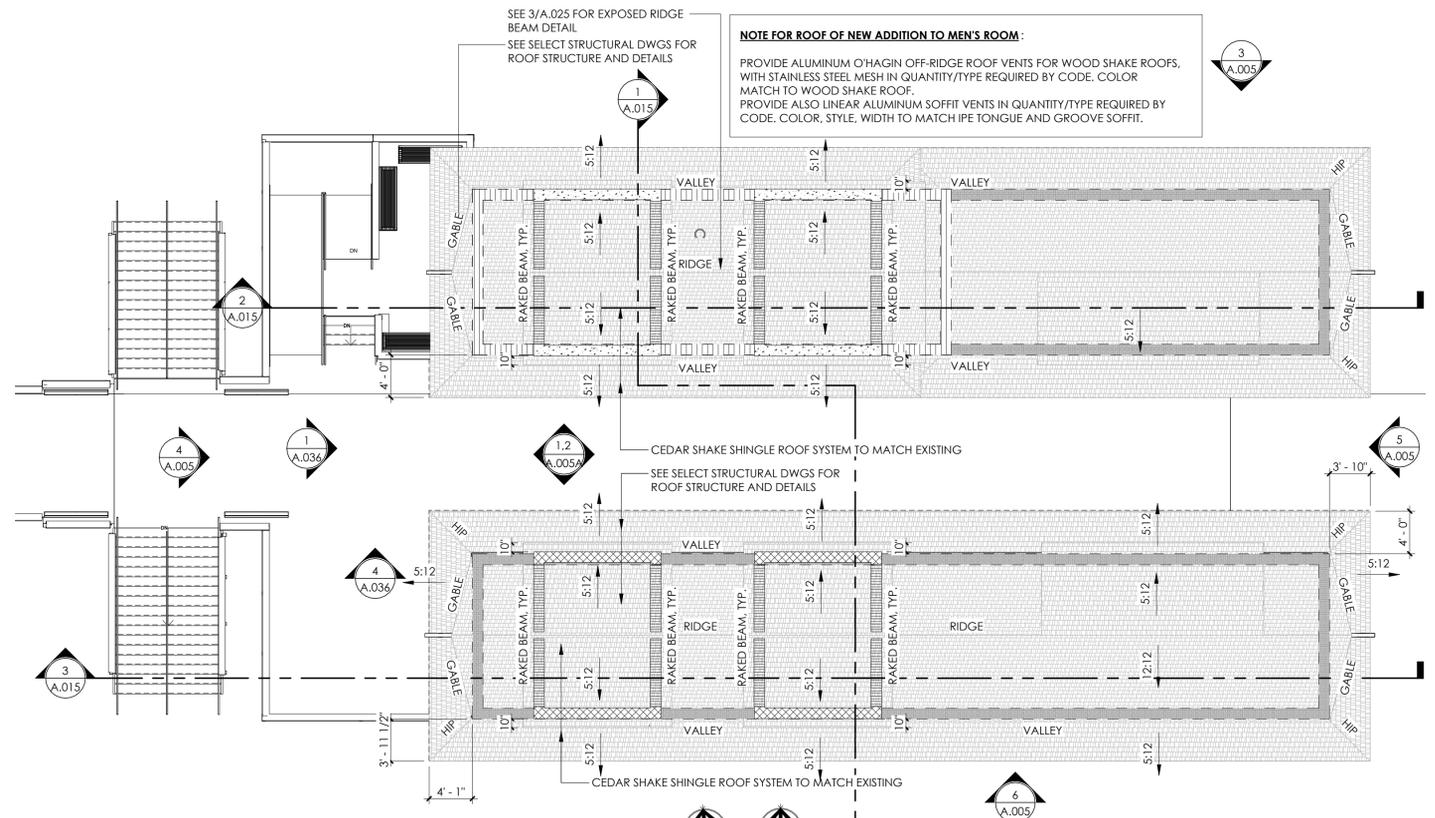
PHASE PR NO CD 23118

A.005C



1 END PAVILION - ROOF PLAN
SCALE: 1/8" = 1'-0"
TRUE NORTH PROJECT NORTH

2 MID PAVILION - ROOF PLAN
SCALE: 1/8" = 1'-0"
TRUE NORTH PROJECT NORTH



3 PIER ACCESS - ROOF PLAN
SCALE: 1/8" = 1'-0"
TRUE NORTH PROJECT NORTH

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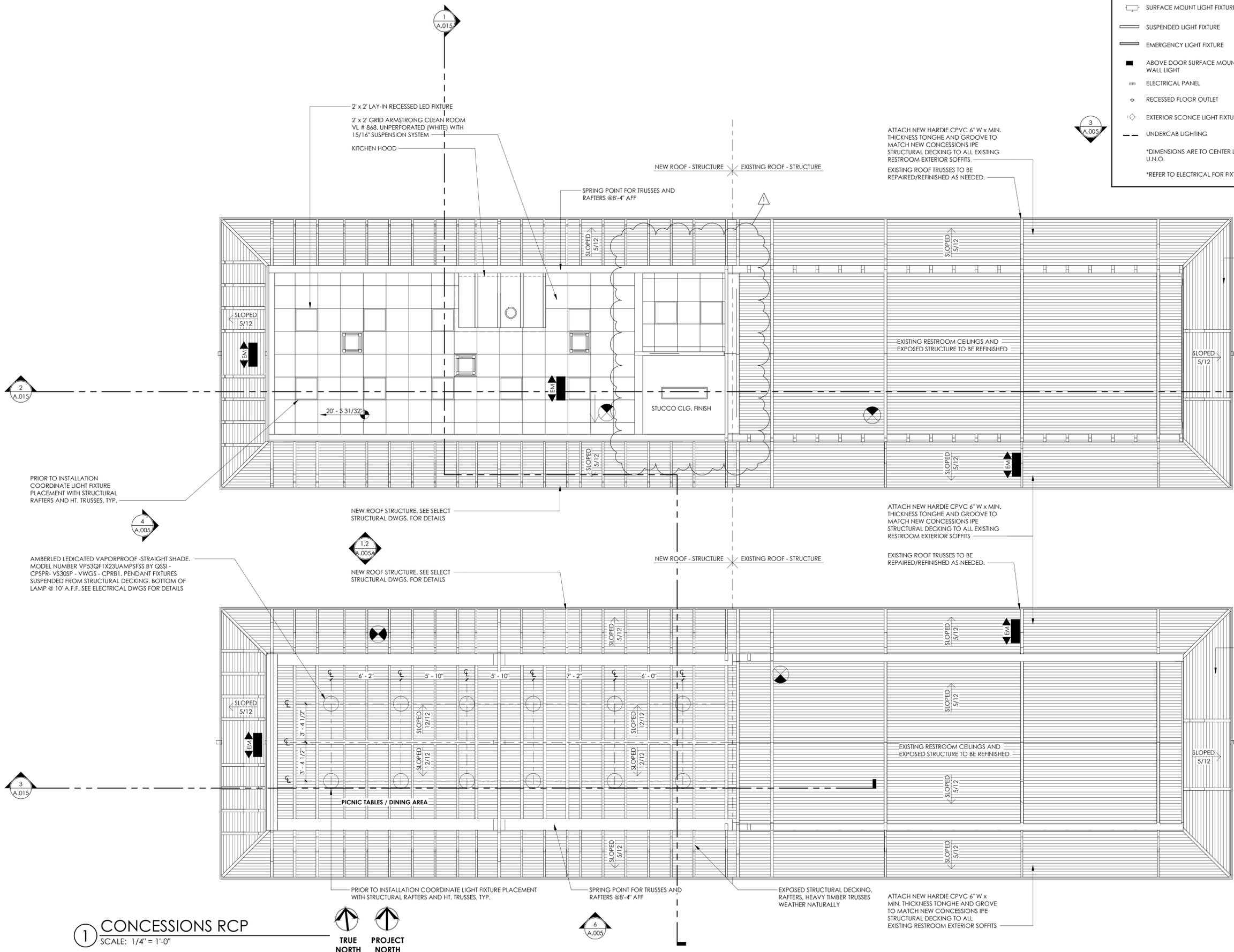
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RCP - PIER
ACCESS /
CONCESSIONS

PHASE CD
PR NO 23118

A.006

RCP LEGEND	
	PENDANT LIGHT
	J BOX
	SURFACE MOUNT LIGHT FIXTURE - CEILING
	SURFACE MOUNT LIGHT FIXTURE - WALL
	SUSPENDED LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	ABOVE DOOR SURFACE MOUNTED WALL LIGHT
	ELECTRICAL PANEL
	RECESSED FLOOR OUTLET
	EXTERIOR SCONCE LIGHT FIXTURE
	UNDERCAB LIGHTING
*DIMENSIONS ARE TO CENTER LINE OF FIXTURE; U.N.O.	
*REFER TO ELECTRICAL FOR FIXTURE TYPES	



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



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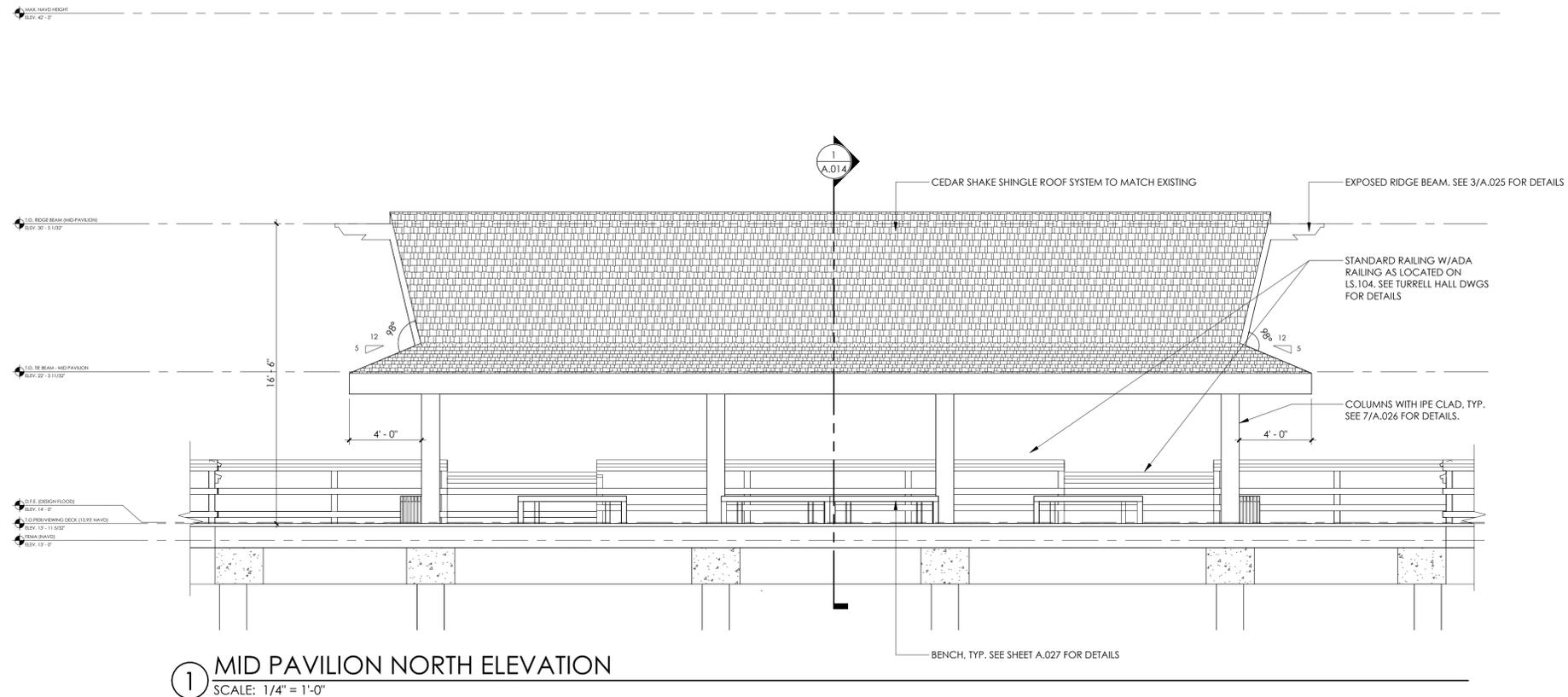
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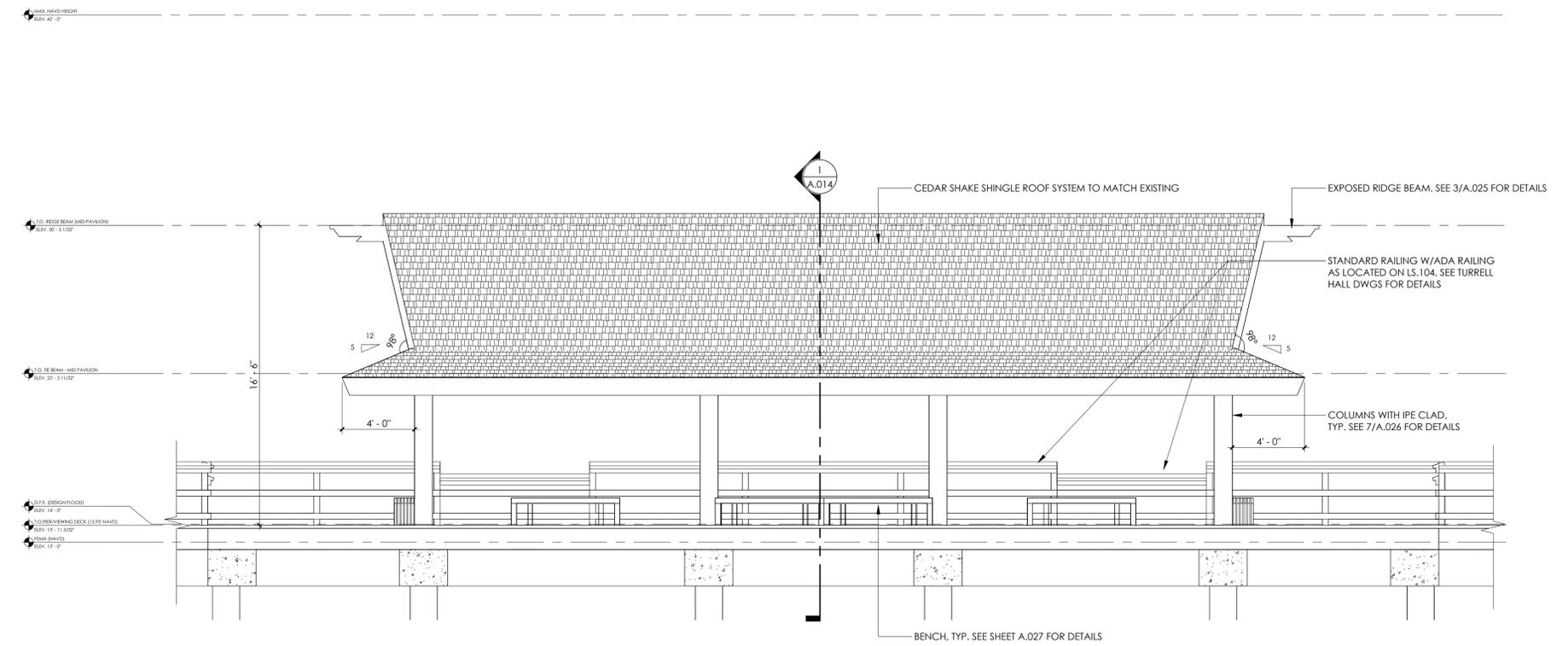
MID-PAVILION
ELEVATIONS

PHASE CD
PR NO 23118

A.008



1 MID PAVILION NORTH ELEVATION
SCALE: 1/4" = 1'-0"



2 MID PAVILION SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

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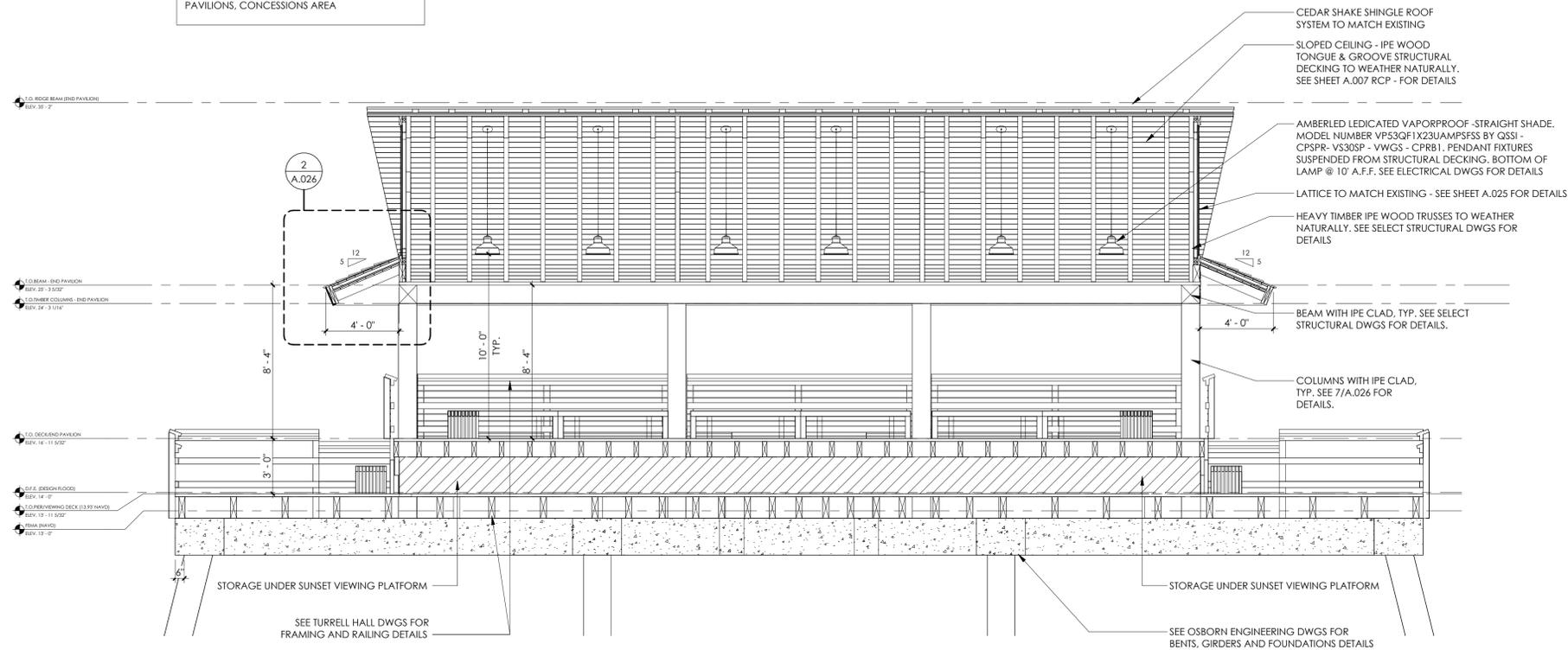
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END PAVILION SECTIONS

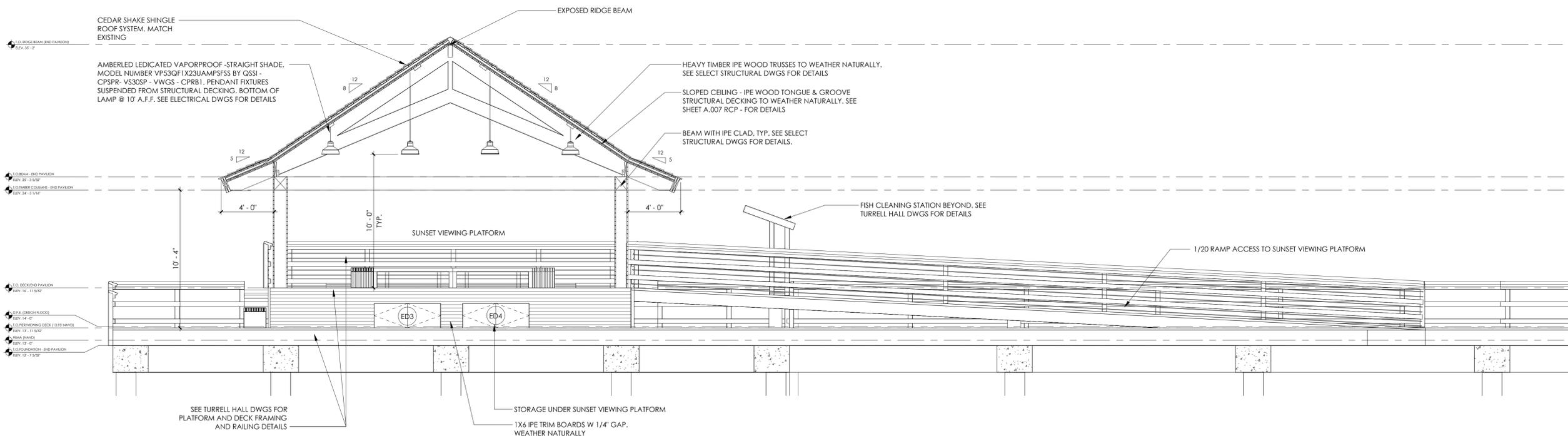
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PR NO 23118

A.012

NOTE: REFER TO SELECT STRUCTURAL DWGS FOR OVERALL ROOF STRUCTURES OF END, MID-PAVILIONS, CONCESSIONS AREA



1 TRANSVERSE SECTION #2 - END PAVILION
SCALE: 1/4" = 1'-0"



2 LONGITUDINAL SECTION #2 - END PAVILION
SCALE: 1/4" = 1'-0"

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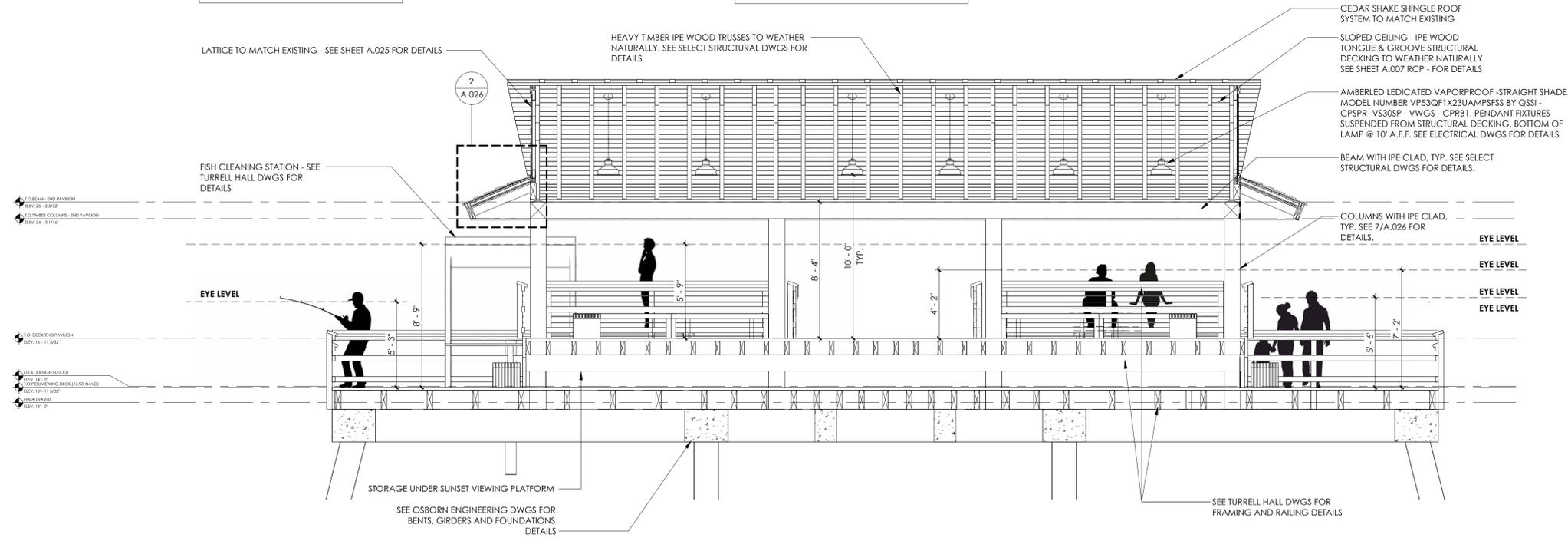
END PAVILION
SECTIONS

PHASE CD
PR NO 23118

A.013

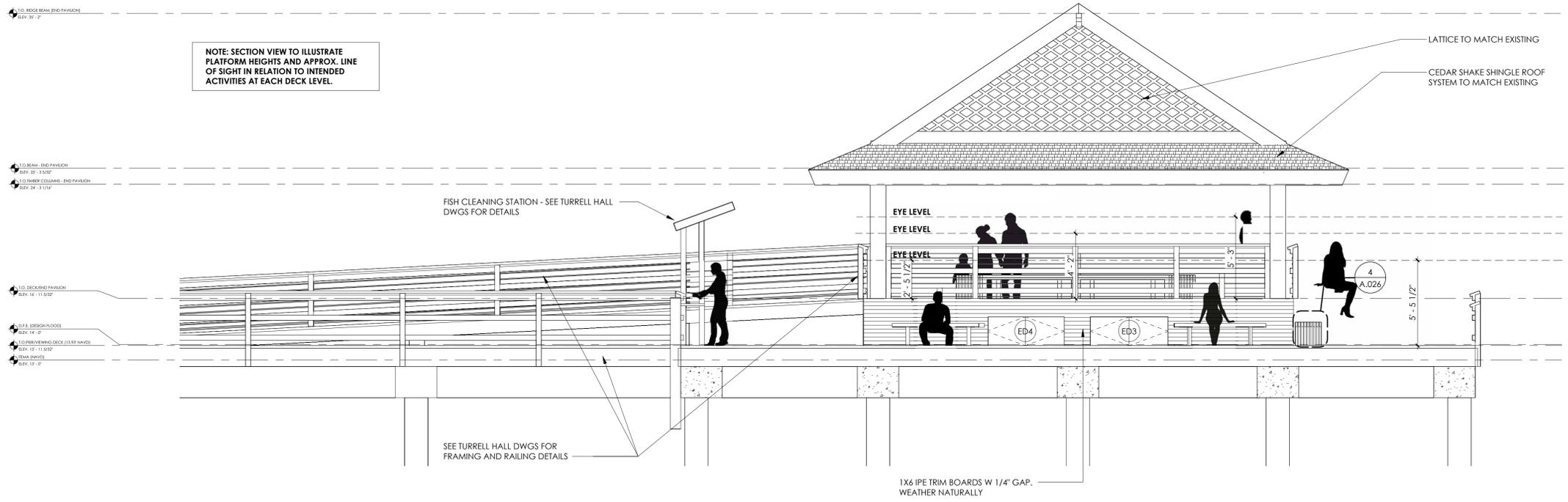
NOTE: SECTION VIEW TO ILLUSTRATE PLATFORM HEIGHTS AND APPROX. LINE OF SIGHT IN RELATION TO INTENDED ACTIVITIES AT EACH DECK LEVEL.

NOTE: REFER TO SELECT STRUCTURAL DWGS. FOR ROOF STRUCTURES OF END PAVILION, MID-PAVILION AND CONCESSIONS AREA.



1 TRANSVERSE SECTION #1 - END PAVILION
SCALE: 1/4" = 1'-0"

NOTE: SECTION VIEW TO ILLUSTRATE PLATFORM HEIGHTS AND APPROX. LINE OF SIGHT IN RELATION TO INTENDED ACTIVITIES AT EACH DECK LEVEL.



2 LONGITUDINAL SECTION #1 - END PAVILION
SCALE: 1/4" = 1'-0"

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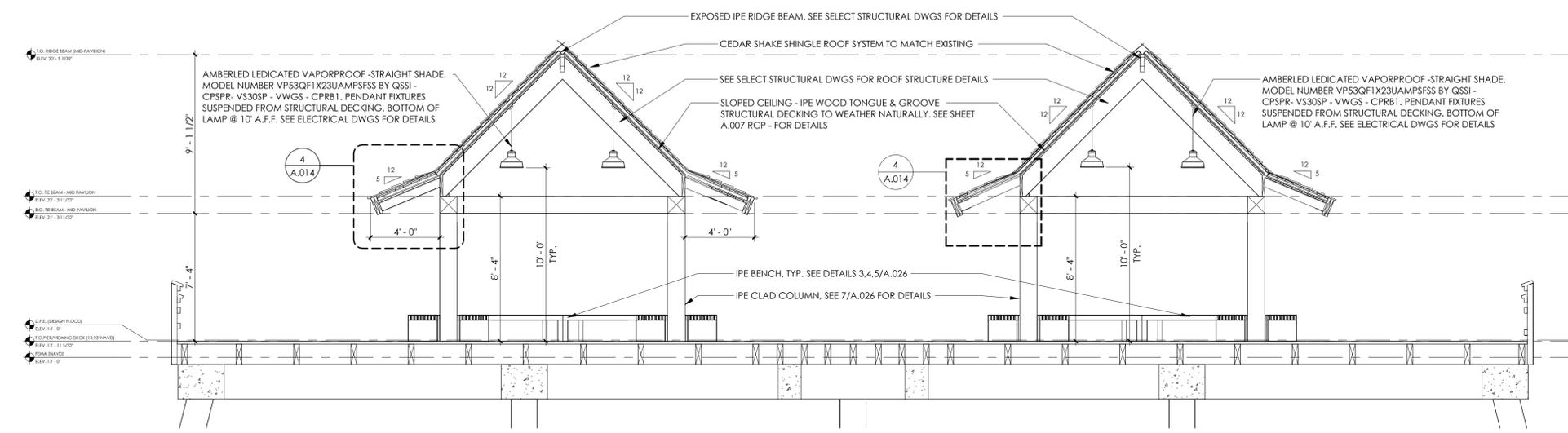
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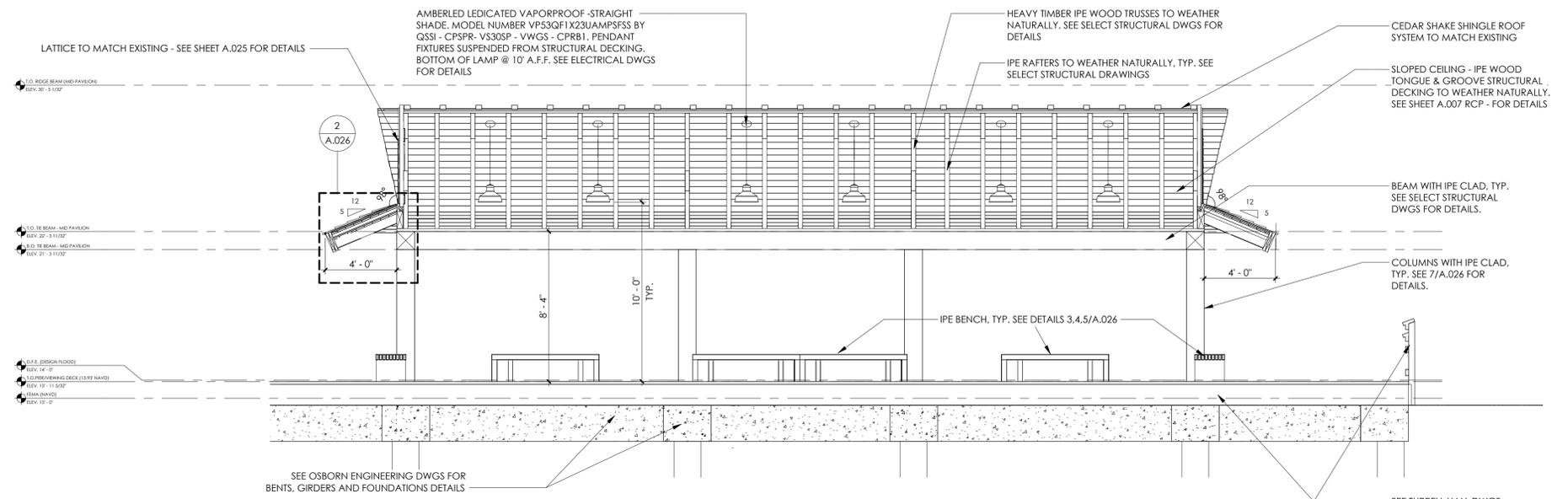
MID PAVILION SECTIONS

PHASE CD
 PR NO 23118

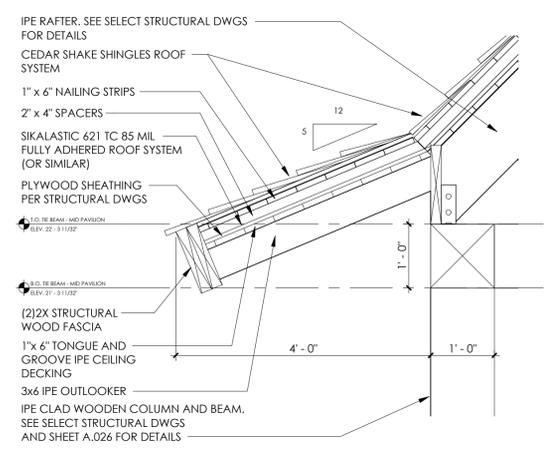
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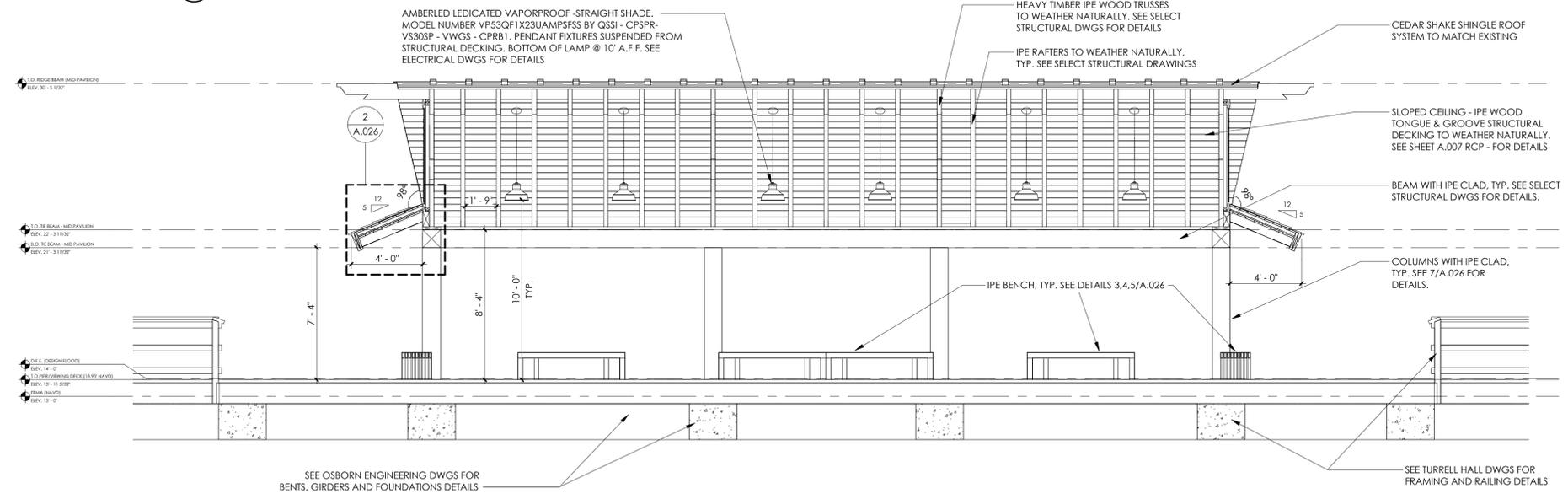
1 TRANSVERSE SECTION #1 - MID PAVILION
 SCALE: 1/4" = 1'-0"



2 LONGITUDINAL SECTION #1 - MID PAVILION NORTH
 SCALE: 1/4" = 1'-0"



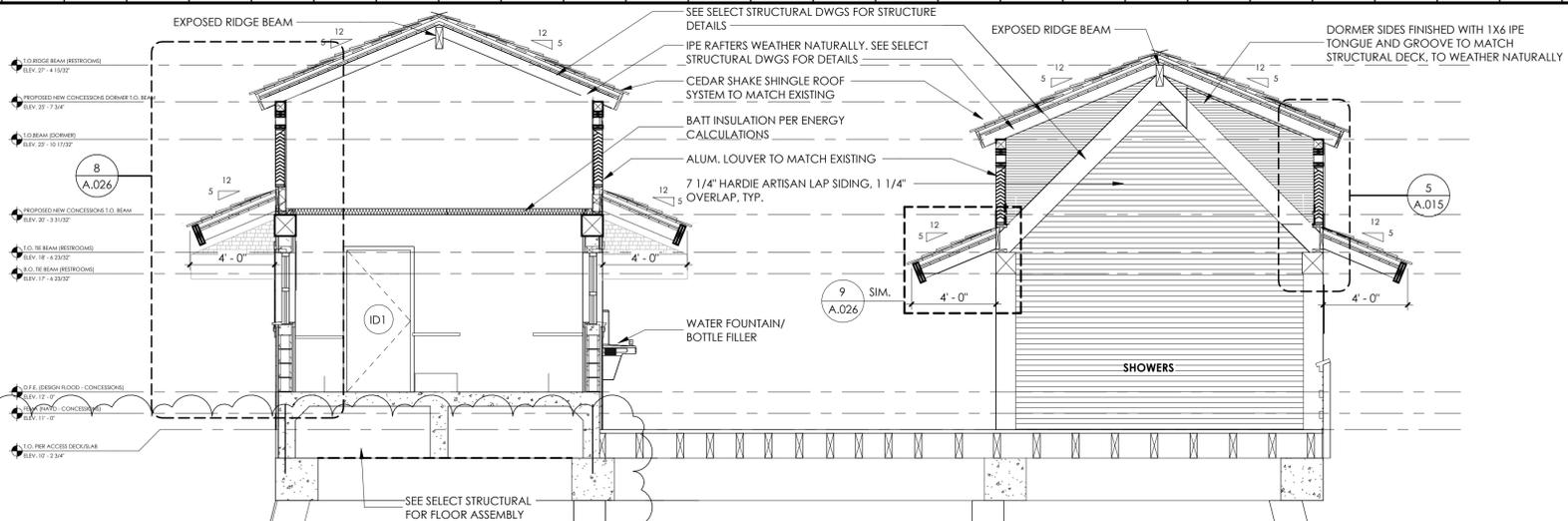
4 OUTLOOKER - IPE RAFTER DETAIL
 SCALE: 3/4" = 1'-0"



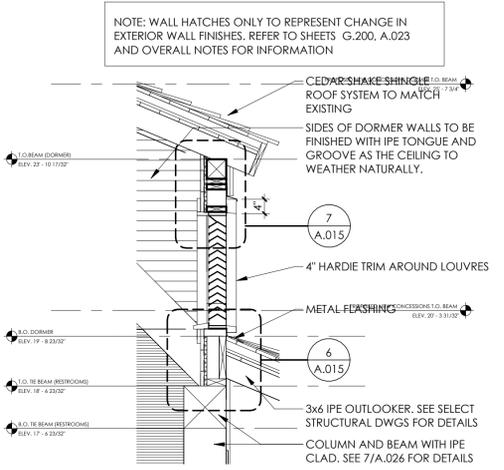
3 LONGITUDINAL SECTION #2 - MID PAVILION SOUTH
 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

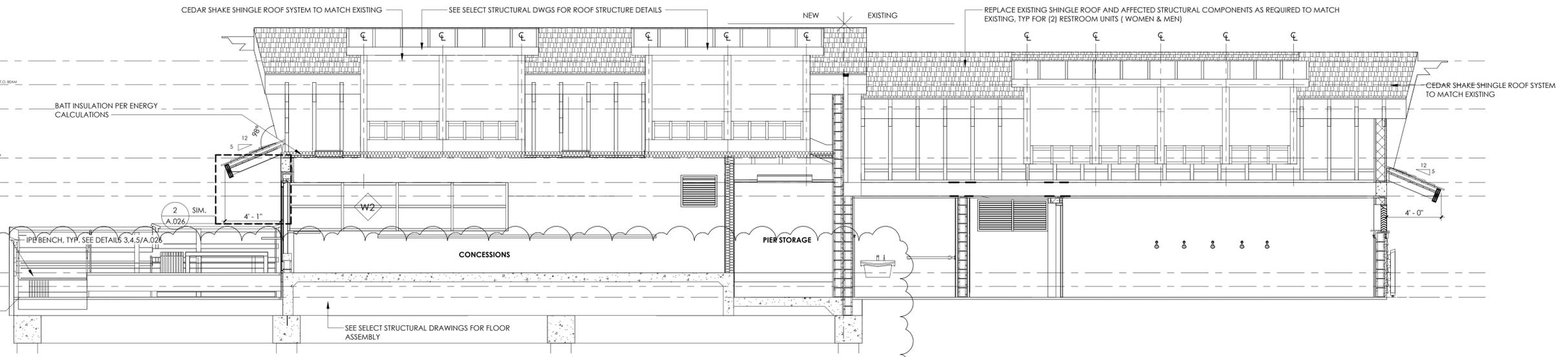
- REFER TO SELECT STRUCTURAL DWGS FOR ROOF TRUSSES, RAFTERS, SPACING AND OVERALL STRUCTURAL COMPONENTS OF THE PAVILIONS, CONCESSIONS AND NEW ROOF EXTENSION AT RESTROOMS AREA.
- GC TO VERIFY ALL EXISTING CONDITIONS IN FIELD FOR NEW CONSTRUCTION.



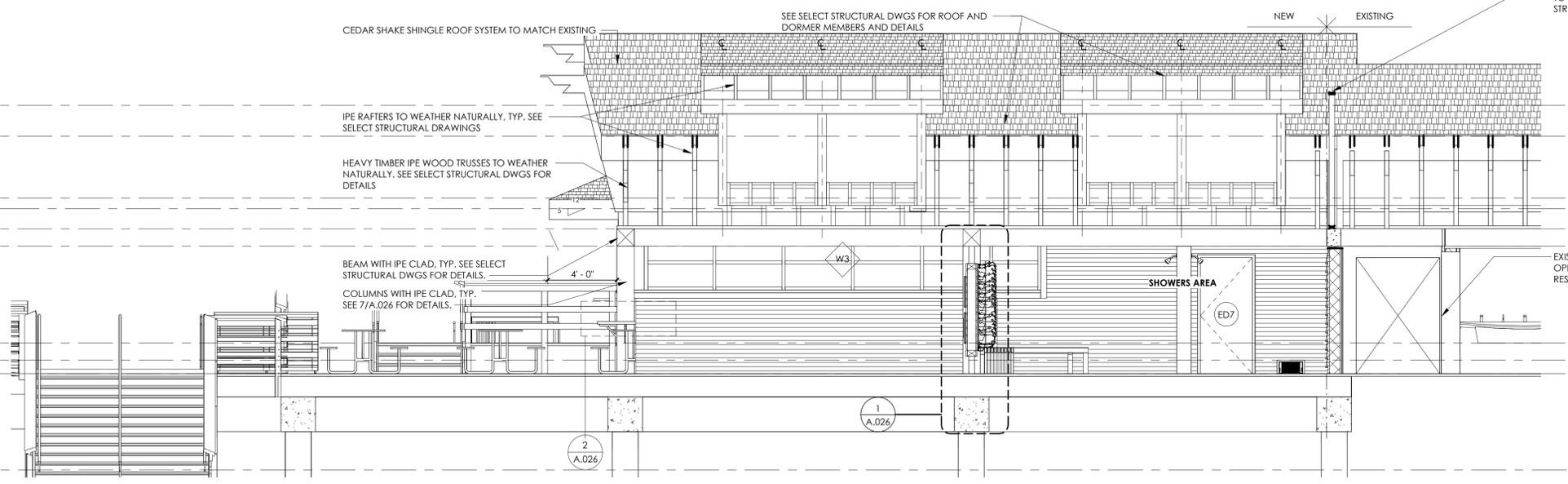
1 TRANSVERSE SECTION #1 - PIER ACCESS
SCALE: 1/4" = 1'-0"



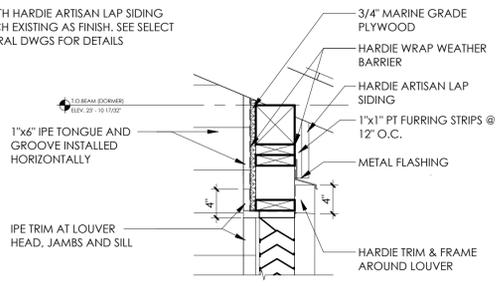
5 DORMER DETAIL #1
SCALE: 1/2" = 1'-0"



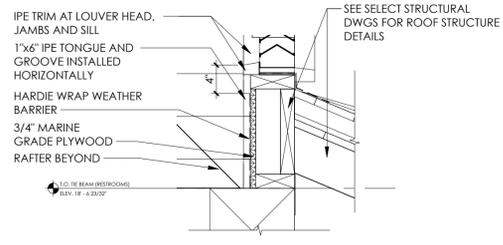
2 LONGITUDINAL SECTION #1 - MENS RESTROOMS / PIER ACCESS
SCALE: 1/4" = 1'-0"



3 LONGITUDINAL SECTION #2 - SHOWER AREA / PIER ACCESS
SCALE: 1/4" = 1'-0"



7 DORMER DETAIL #3
SCALE: 1" = 1'-0"



6 DORMER DETAIL #2
SCALE: 1" = 1'-0"

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FLORIDA SEAL
REG# AR 16971

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PIER ACCESS SECTIONS

PHASE CD
PR NO 23118

A.015

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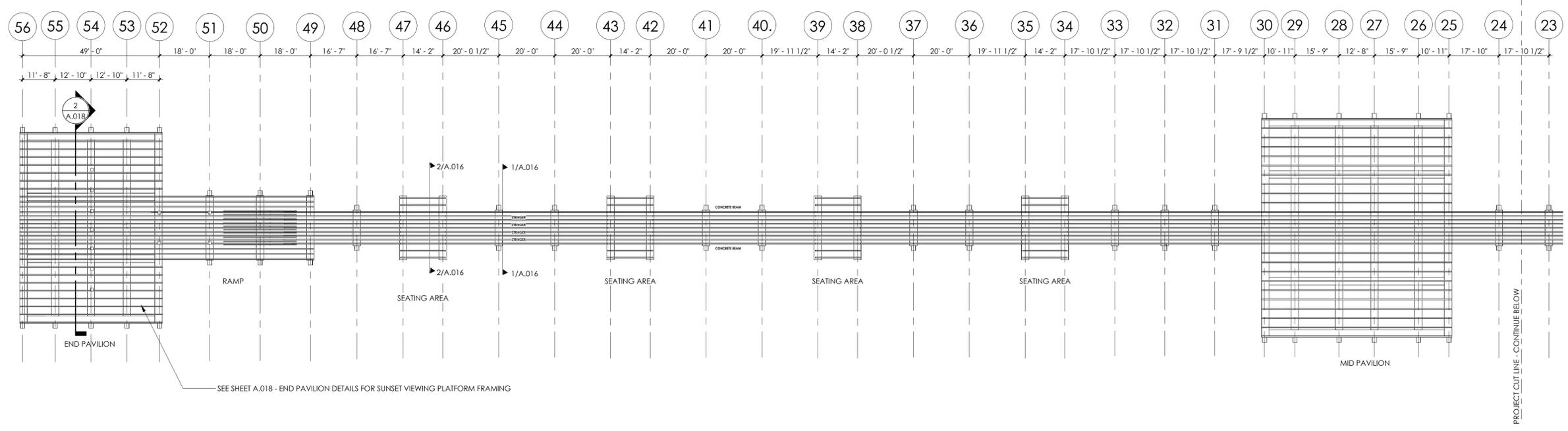
ISSUE DATE	3/19/2024
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OVERALL
FRAMING

PHASE CD
PR NO 23118

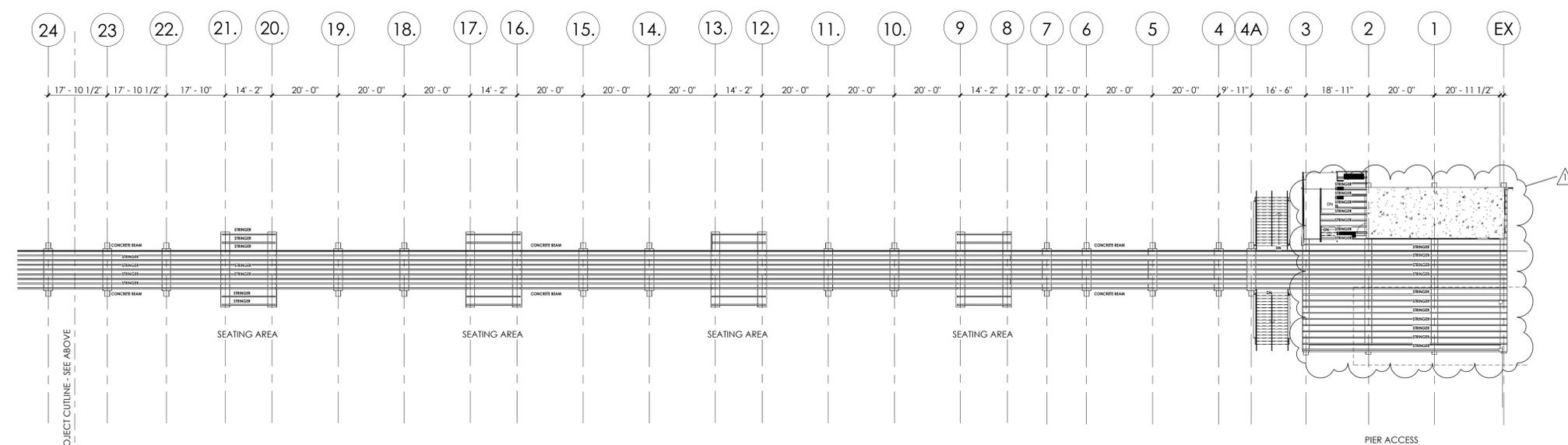
A.017

NOTE: FURNITURE, WALLS, ROOF, RAILINGS, DECKING FLOOR AND RAMPS NOT SHOWN ON FRAMING PLAN FOR CLARITY PURPOSES. REFER TO SHEETS A.001-A.003 FOR OVERALL VIEWS, ENLARGED PLANS AND DETAILS.



1 END-PAVILION TO MID-PAVILION FRAMING PLAN
SCALE: 1" = 20'-0"

NOTE: REFER TO TURRELL HALL & SELECT STRUCTURAL DWGS FOR OVERALL STRUCTURAL COMPONENTS OF THE PAVILIONS, CONCESSIONS, DECKING, COLUMNS, RAILING AND NEW ROOF EXTENSION AT RESTROOMS AREA



2 OVERALL PIER FLOOR FRAMING - PIER ACCESS
SCALE: 1" = 20'-0"

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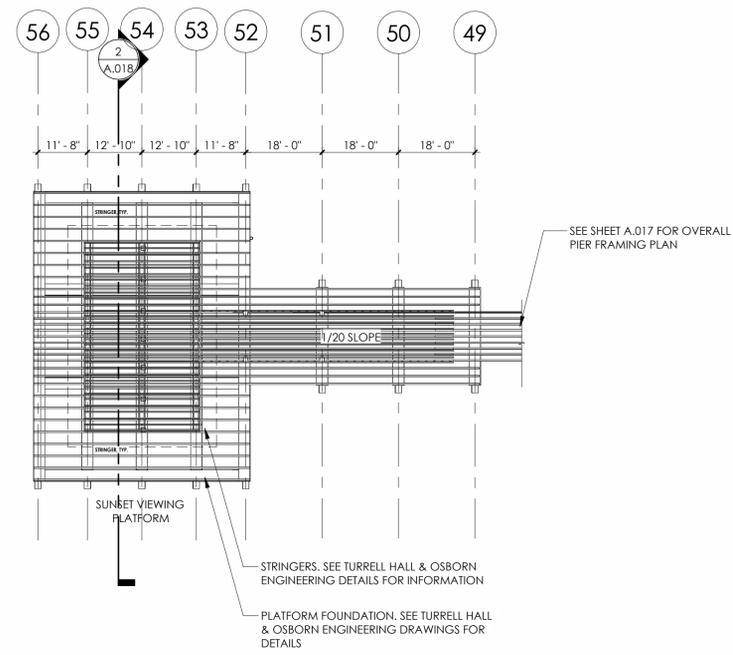
FRAMING PLAN & DETAILS

PHASE CD
PR NO 23118

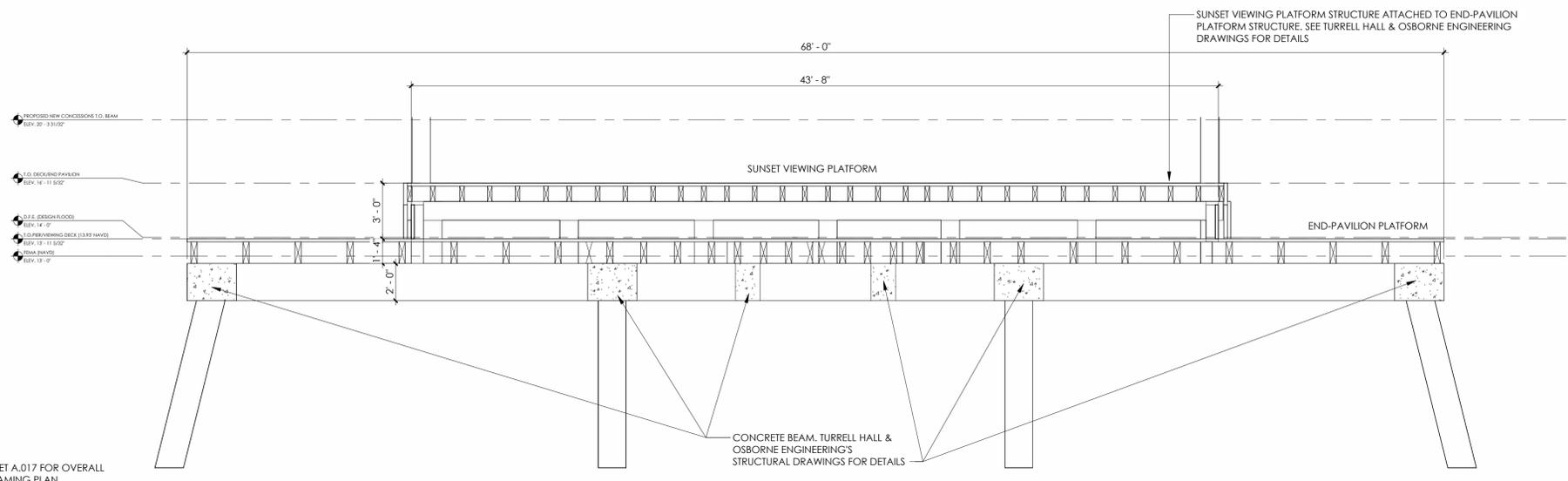
A.018

NOTE: REFER TO SELECT STRUCTURAL'S DWGS FOR OVERALL STRUCTURAL COMPONENTS OF THE PAVILIONS, CONCESSIONS, DECKING, COLUMNS AND NEW ROOF EXTENSION AT RESTROOMS AREA

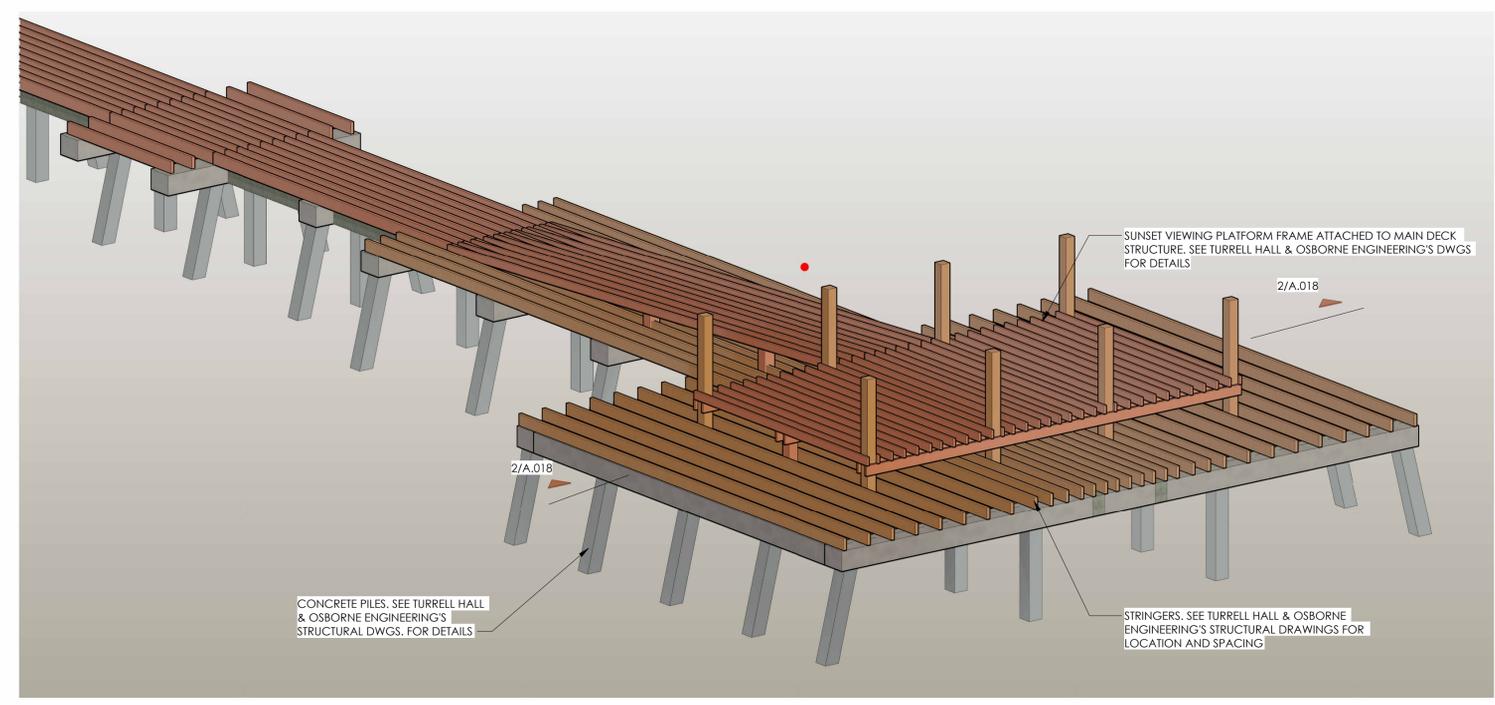
NOTE: FURNITURE, WALLS, ROOF, RAILINGS, DECKING FLOOR AND RAMPS NOT SHOWN ON FRAMING PLAN FOR CLARITY PURPOSES. REFER TO SHEETS A.001-A.003 FOR OVERALL VIEWS, ENLARGED PLANS AND DETAILS.



1 END-PAVILION/SUNSET VIEWING PLATFORM FRAMING PLAN
SCALE: 1" = 20'-0"



2 END-PAVILION/SUNSET VIEWING PLATFORM FRAMING SECTION
SCALE: 1/4" = 1'-0"



3 3D END PAVILION FRAMING
SCALE:

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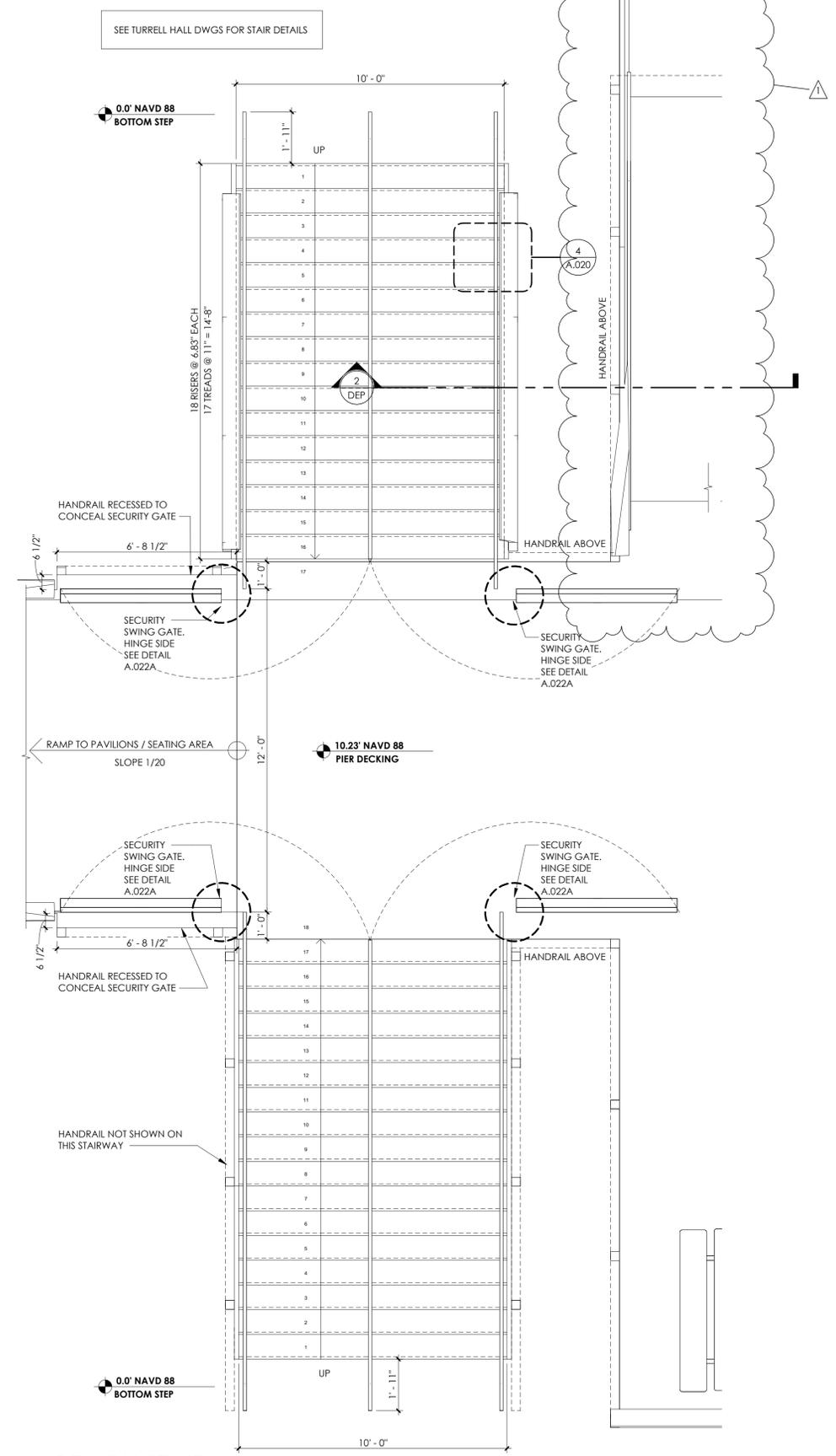
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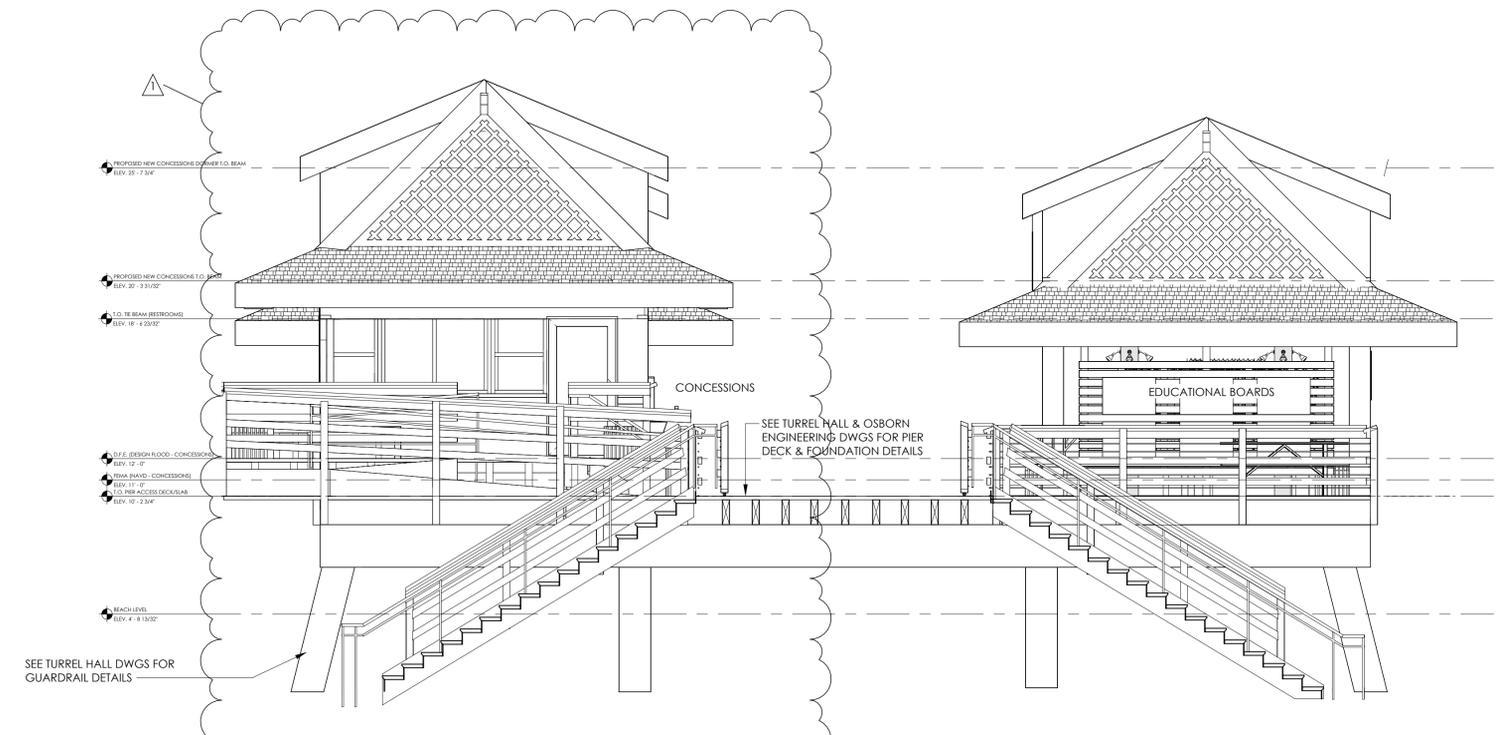
STAIRS DETAILS

PHASE CD
PR NO 23118

A.020



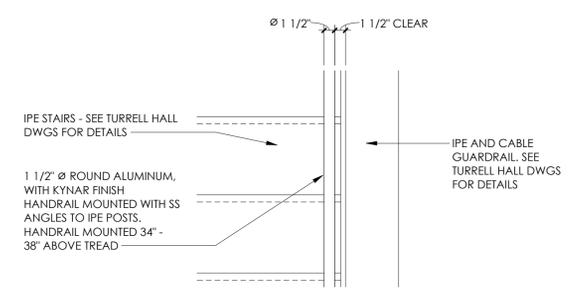
1 BEACH STAIR
SCALE: 3/8" = 1'-0"



3 SECTION THRU PIER ACCESS/STAIRS
SCALE: 1/4" = 1'-0"



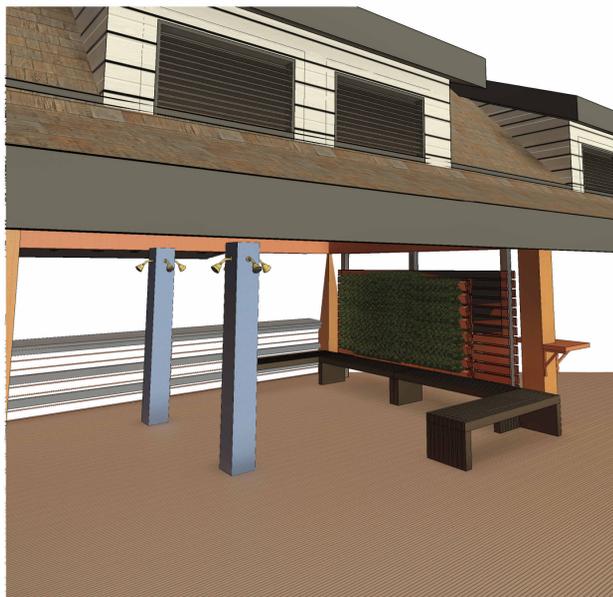
2 3D VIEW - BEACH STAIRS
SCALE:



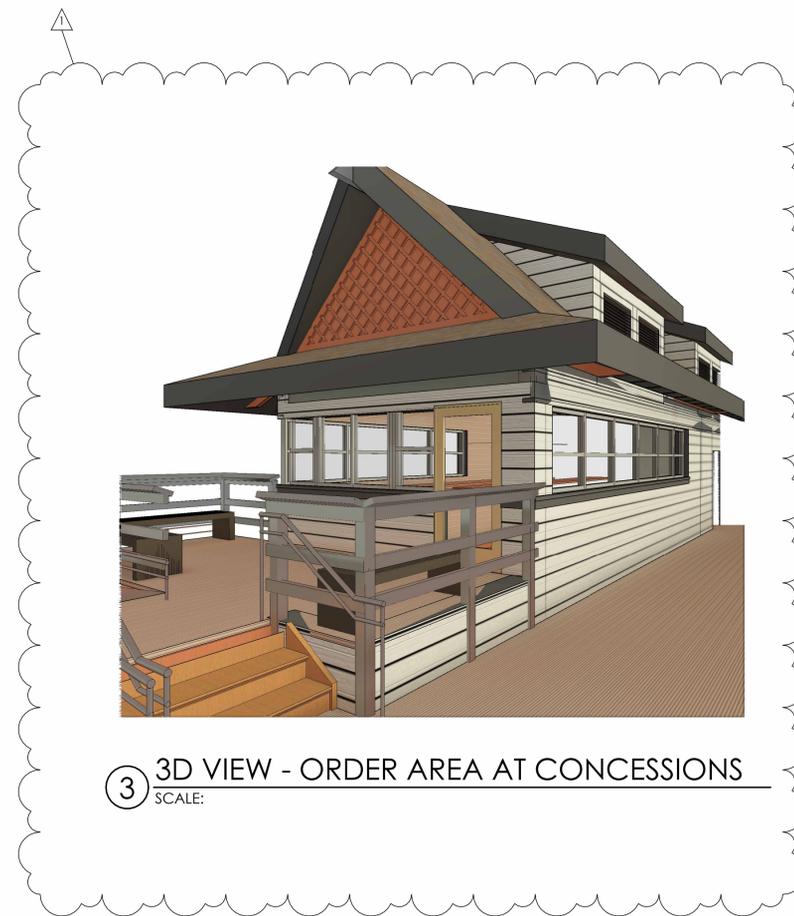
4 STAIR - HANDRAIL DETAIL
SCALE: 1" = 1'-0"



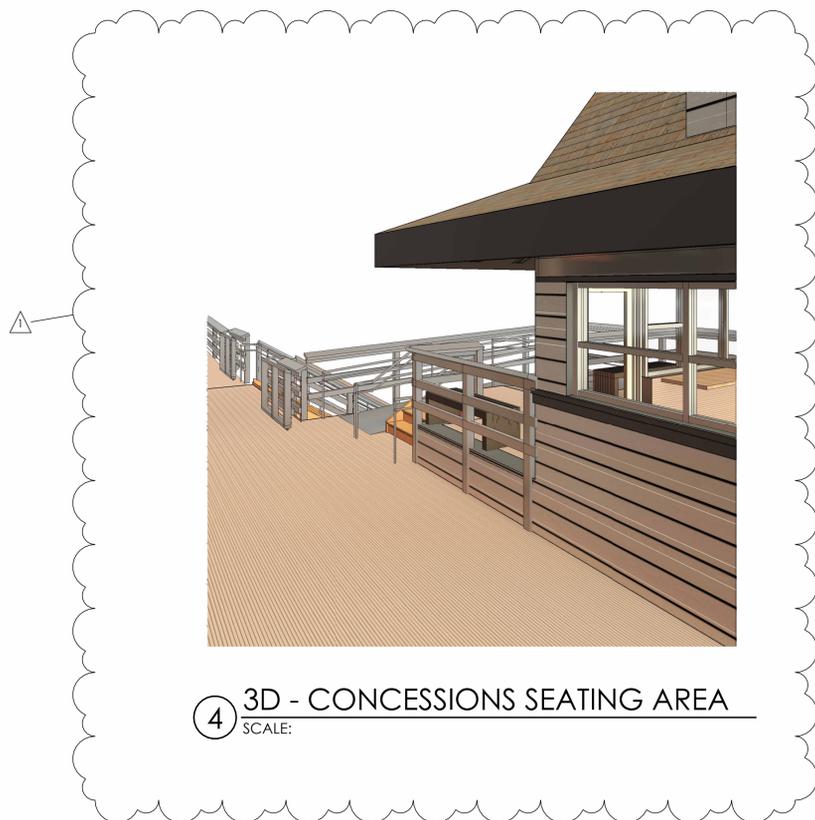
1 SEATING AREA ACCROSS CONCESSIONS
NTS



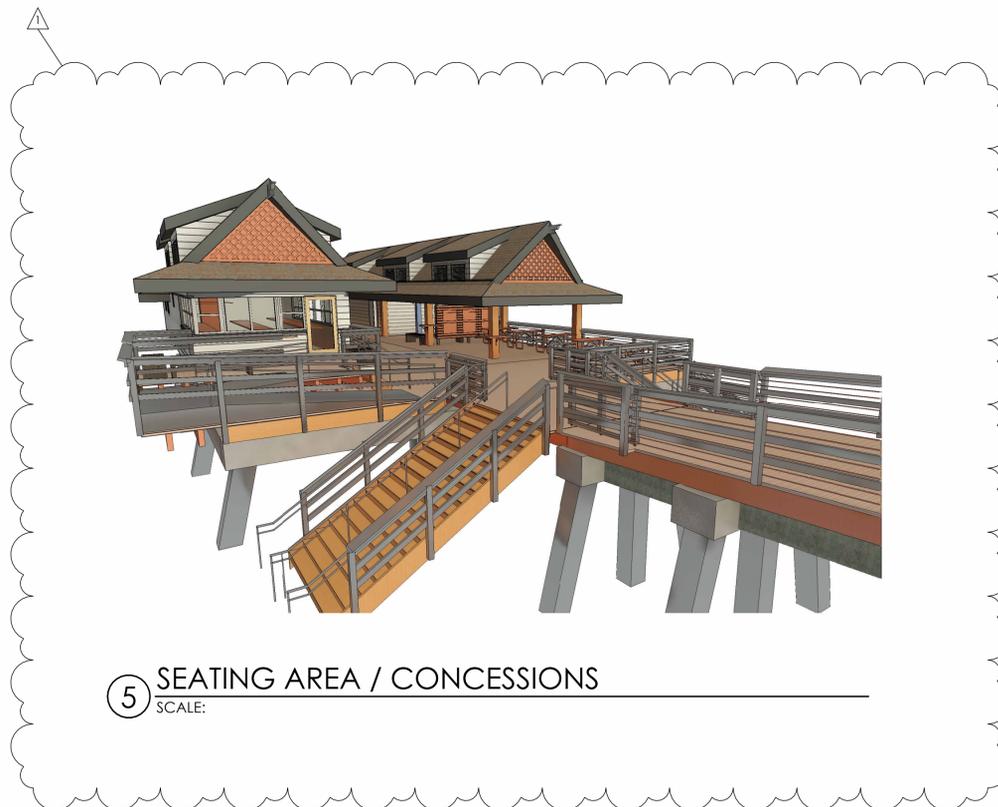
2 3D VIEW - SHOWERS/GREEN WALL
NTS



3 3D VIEW - ORDER AREA AT CONCESSIONS
SCALE:



4 3D - CONCESSIONS SEATING AREA
SCALE:



5 SEATING AREA / CONCESSIONS
SCALE:

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3D VIEWS - PIER DECK ACCESS

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A.021

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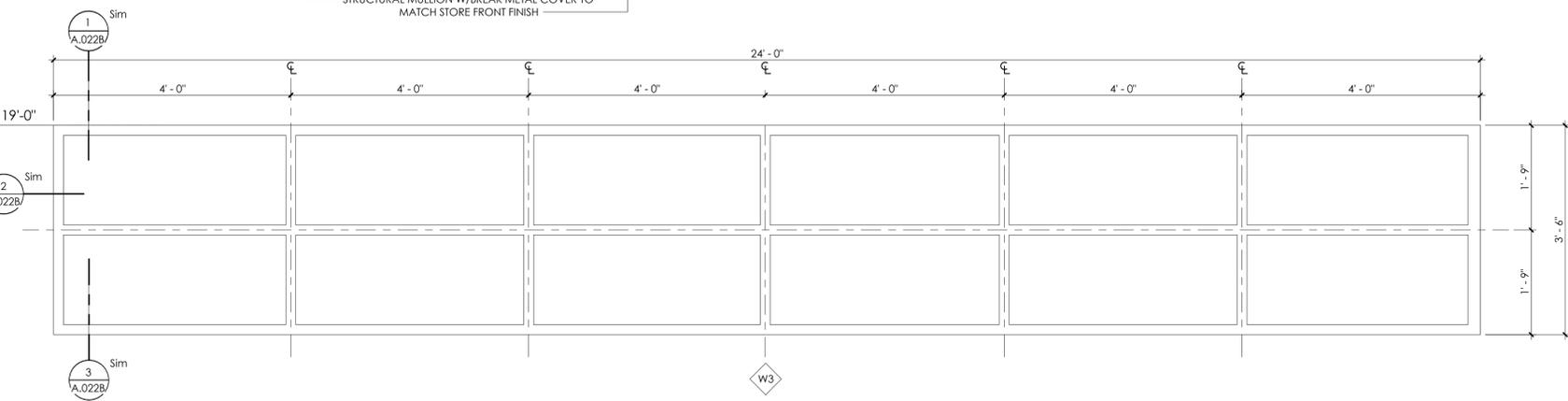
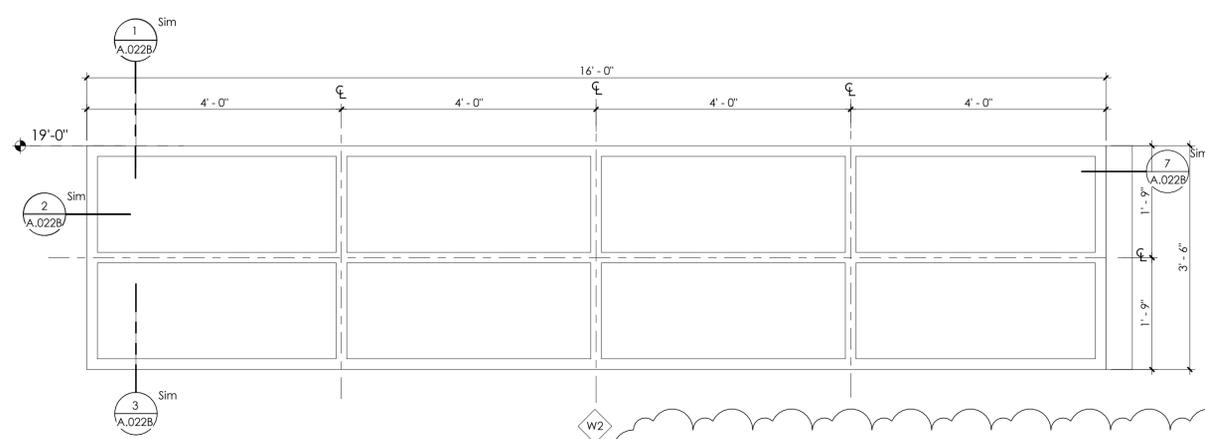
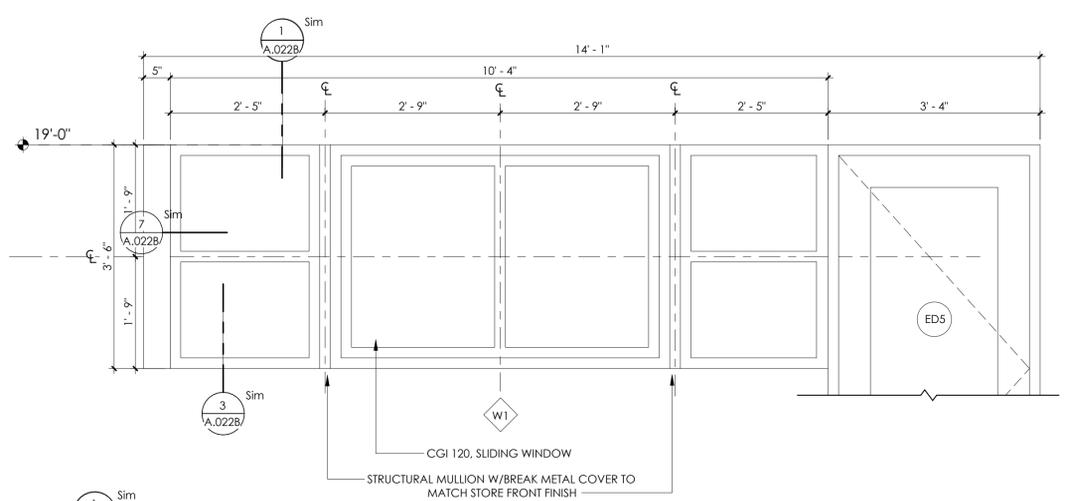
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WINDOW AND
DOOR SCHEDULE

PHASE CD
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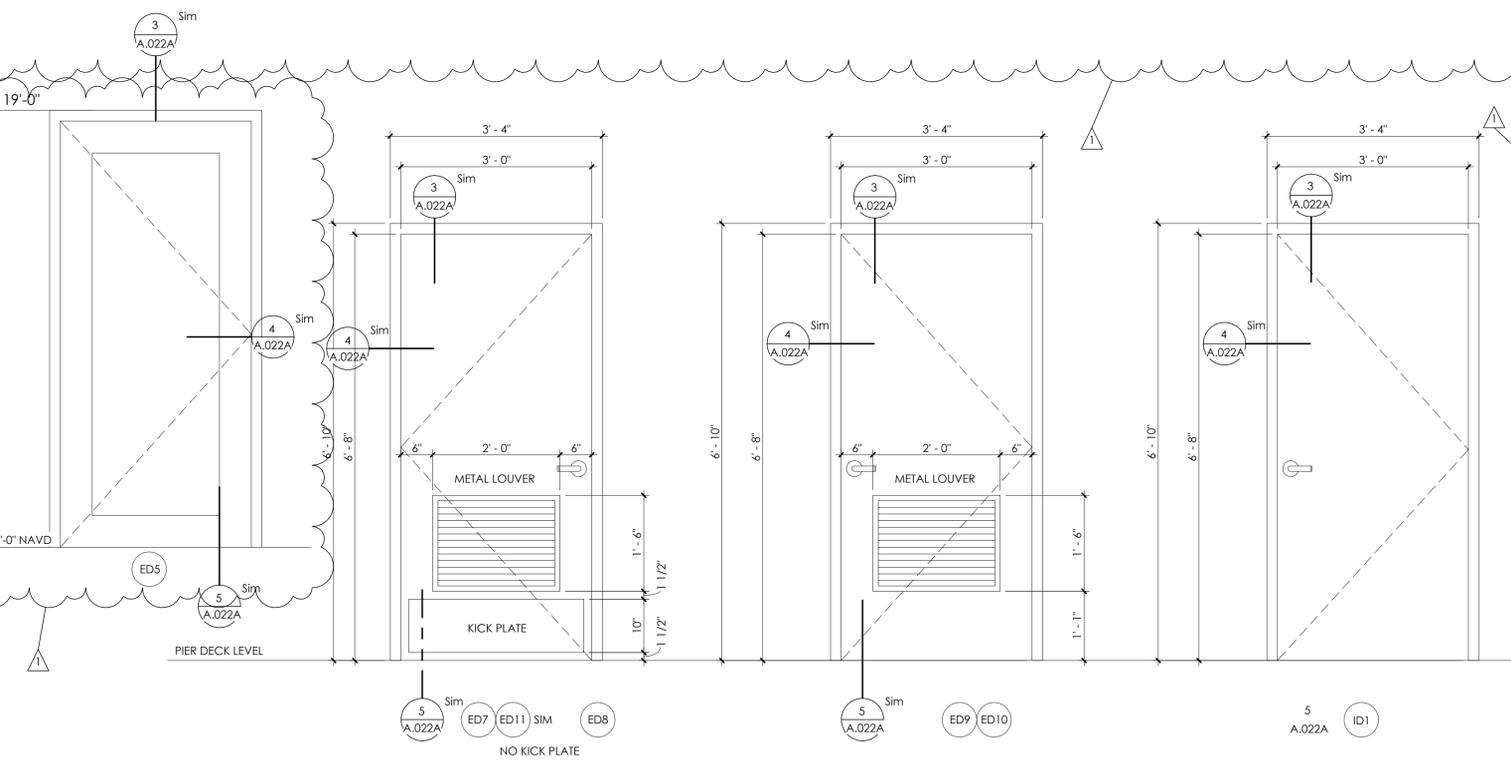
A.022



Mark	Height	Width	Material	Description / Finish	Count
W1	3' - 6"	14' - 1"	ALUM.	KAWNEER IR501T (170 MPH); FIXED; W/ CGI 120 SLIDING WINDOW; GLAZING, VT ≤ .30, 366 LOW E LARGE MISSILE IMPACT RATED PER FBC - 8TH ED. 2023. 50% PVDF FINISH TO BE SELECTED FROM PERMACOAT AND PERMADIZE FINISHES; DESIGN AS SHOWN	1
W2	3' - 6"	16' - 0"	ALUM.	KAWNEER IR501T (170 MPH); FIXED; GLAZING, VT ≤ .30, 366 LOW E LARGE MISSILE IMPACT RATED PER FBC - 8TH ED. 2023 50% PVDF FINISH TO BE SELECTED FROM PERMACOAT AND PERMADIZE FINISHES; DESIGN AS SHOWN	1
W3	3' - 6"	24' - 0"	ALUM.	KAWNEER IR501T (170 MPH); FIXED; GLAZING, VT ≤ .30, 366 LOW E LARGE MISSILE IMPACT RATED PER FBC - 8TH ED. 2023 50% PVDF FINISH TO BE SELECTED FROM PERMACOAT AND PERMADIZE FINISHES; DESIGN AS SHOWN	1

MARK	HEIGHT	WIDTH	DOOR MATERIAL	DOOR TYPE	FINISH	FRAME MATERIAL	HARDWARE SET	DESCRIPTION	COUNT
ED1	1' - 10"	5' - 0"	KING STARBOARD ST	SWING	NOTE 1/A.022	KING STARBOARD ST	05	UNDER PLATFORM STORAGE	1
ED2	1' - 10"	5' - 0"	KING STARBOARD ST	SWING	NOTE 1/A.022	KING STARBOARD ST	05	UNDER PLATFORM STORAGE	1
ED3	1' - 10"	5' - 0"	KING STARBOARD ST	SWING	NOTE 1/A.022	KING STARBOARD ST	05	UNDER PLATFORM STORAGE	1
ED4	1' - 10"	5' - 0"	KING STARBOARD ST	SWING	NOTE 1/A.022	KING STARBOARD ST	05	UNDER PLATFORM STORAGE	1
ED5	6' - 8"	3' - 4"	GLASS/ALUM	SWING	NOTE 1/A.022	GLASS/ALUM	01	CONCESSIONS/ SEE NOTE 3	1
ED7	6' - 8"	3' - 0"	HM	SWING	NOTE 1/A.022	HM	01	PIER STORAGE	1
ED8	6' - 8"	3' - 0"	HM	SWING	NOTE 1/A.022	HM	03	FAMILY CARE	1
ED9	6' - 8"	3' - 0"	HM	SWING	NOTE 1/A.022	HM	02	CHANGING ROOM	1
ED10	6' - 8"	3' - 0"	HM	SWING	NOTE 1/A.022	HM	01	MEN'S RESTROOM UTILITY	1
ED11	6' - 8"	3' - 0"	HM	SWING	NOTE 1/A.022	HM	01	WOMEN'S RESTROOM UTILITY	1
ID1	6' - 8"	3' - 0"	HM	SWING	NOTE 1/A.022	HM	01	CONCESSIONS STORAGE	1
G1	3' - 6"	6' - 0"	IPE/CABLE RAIL	SWING	NOTE 1/A.022	IPE / CABLE	04	BEACH STAIR / SEE NOTE 2	2
G2	3' - 6"	6' - 0"	IPE/CABLE RAIL	SWING	NOTE 1/A.022	IPE / CABLE	04	BEACH STAIR / SEE NOTE 2	2
G3	3' - 6"	9' - 5"	IPE/CABLE RAIL	SWING	NOTE 1/A.022	IPE / CABLE	04	PARKING / PIER ACCESS	2

1 STOREFRONT FRAME TYPES
SCALE: 3/4" = 1'-0"



NOTES:
1. PAINT TO MEET AAMA 2605-II. COLOR AS SELECTED BY ARCHITECT.
2. ALL GATES TO HAVE WHEELS AT BOTTOM TO ROLL.
3. ED5 KAWNEER 1R500T INSULPOUR THERMAL PERFORMANCE (170 MPH).
4. SEE DOOR HEAD, JAMB AND SILL DETAILS ON SHEET A.022A.
5. SEE WINDOW HEAD, JAMB & SILL DETAILS ON SHEET A.022B
6. BASIS OF DESIGN FOR HM DOORS DAYBAR DELTA HD

HARDWARE SET	ITEM	QTY	DESCRIPTION
HARDWARE SET 01:	HEAVY DURY HINGE SILENCERS	630	HAGER GRAY IVES
	OFFICE LOCK DEADBOLT	630	SCHLAGE
		630	SCHLAGE
HARDWARE SET 02:	HEAVY DURY HINGE SILENCERS	630	HAGER GRAY IVES
	PRIVACY LOCK	630	SCHLAGE
		630	SCHLAGE
HARDWARE SET 03:	HEAVY DURY HINGE SILENCERS	630	HAGER GRAY IVES
	PRIVACY LOCK CLOSER	630	SCHLAGE LCN
	KICKPLATE	630	IVES
HARDWARE SET 04	GATE TRACK BRACKETS REAR WHEELS		
	REAR WHEEL MOUNTING BRACKETS LATCH GATE LOCKING SYSTEM		
HARDWARE SET 05	HEAVY DURY HINGE	630	HAGER
	OFFICE LOCK	630	SCHLAGE
	DEADBOLT	630	SCHLAGE

2 DOORS & FRAME TYPES
SCALE: 3/4" = 1'-0"

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5/13/2024 6:32:07 PM

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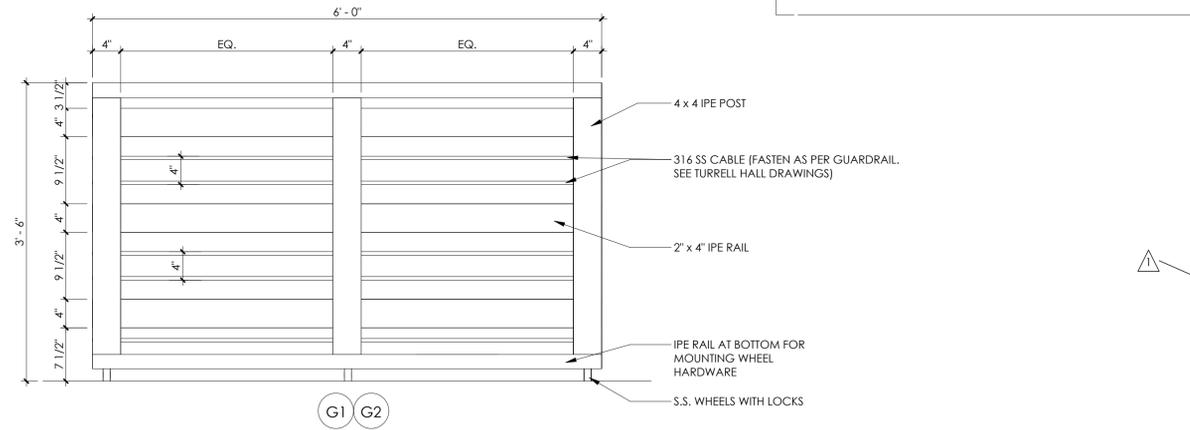
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5/13/2024		2

DOOR DETAILS

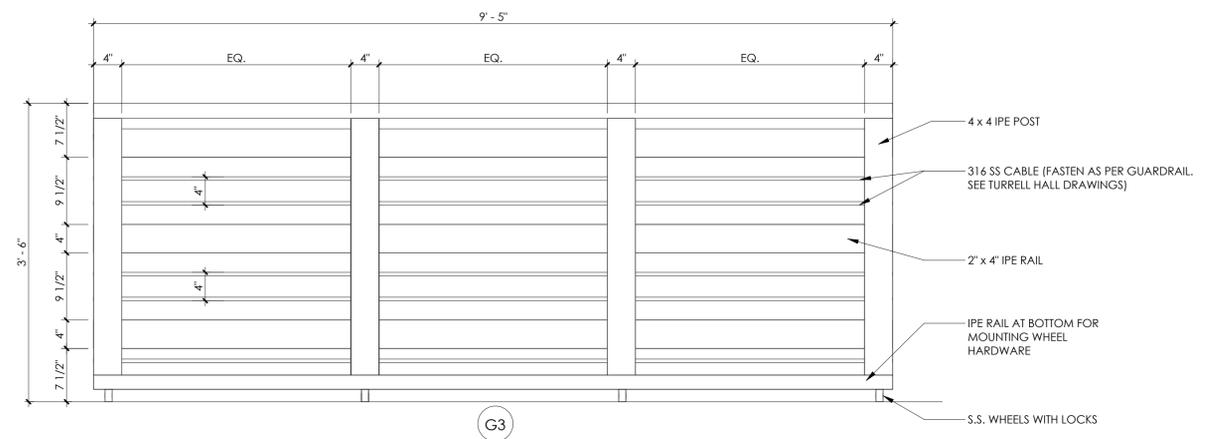
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A.022A

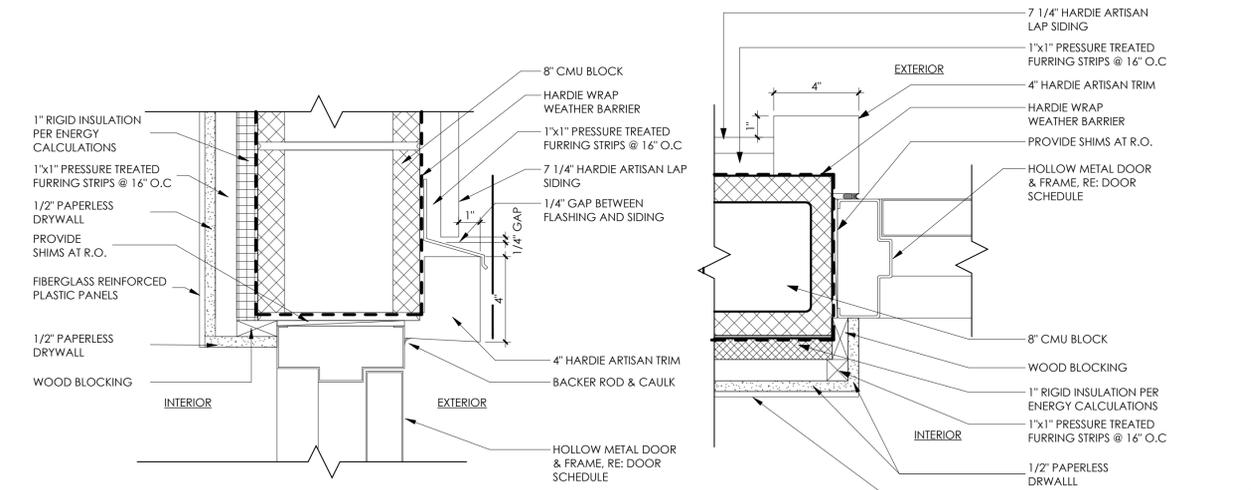
- NOTES:**
1. LOCATIONS OF RAILS & CABLE TO MATCH TURRELL HALL DRAWINGS
 2. PROVIDE STAINLESS STEEL HINGES IN LOCATIONS AS SHOWN ON 1/A.020 FOR ALL GATES.



1 BEACH STAIR GATE DETAIL
SCALE: 1" = 1'-0"

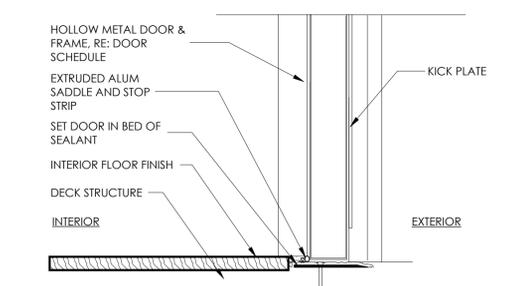


2 PARKING ENTRY - GATE DETAIL
SCALE: 1" = 1'-0"

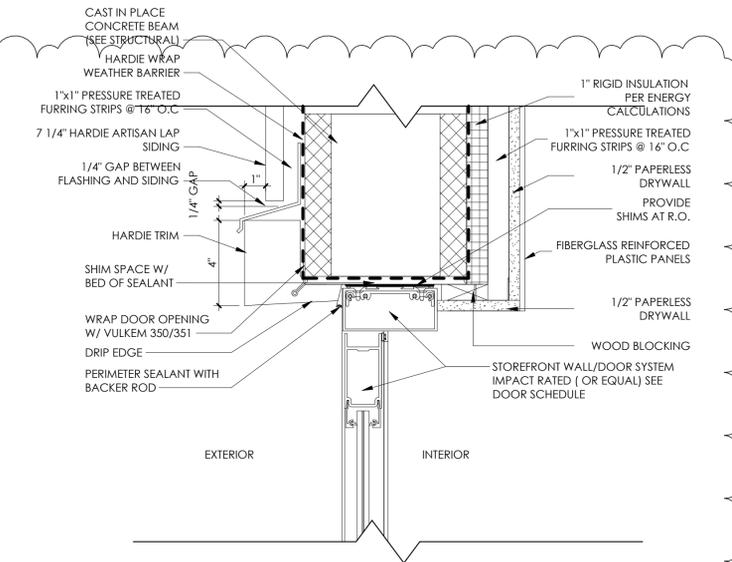


3 DOOR HEAD
SCALE: 3" = 1'-0"

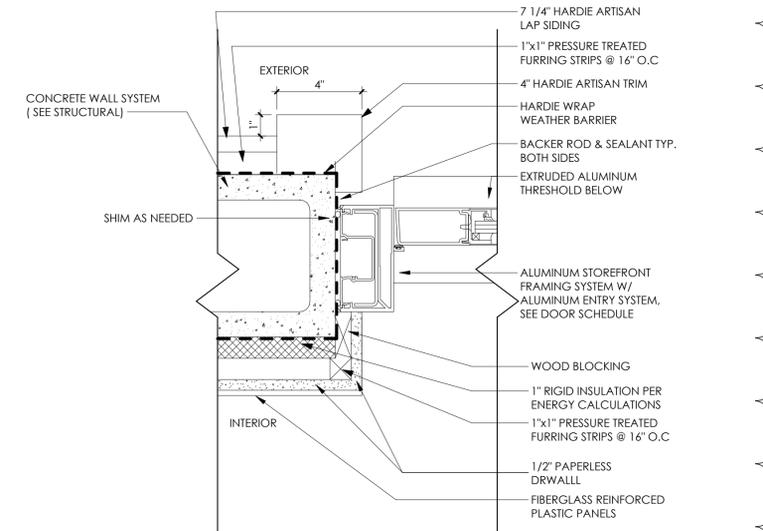
4 DOOR JAMB
SCALE: 3" = 1'-0"



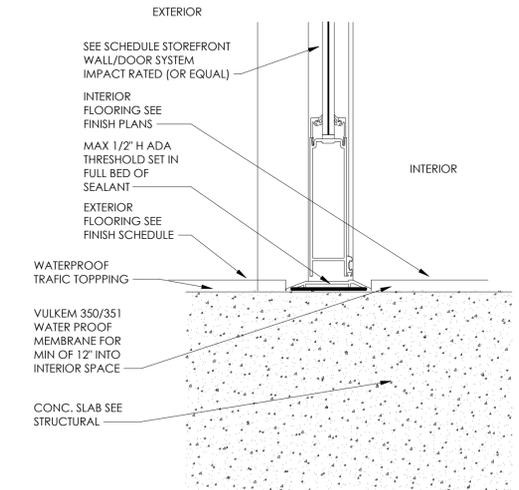
5 DOOR SILL
SCALE: 3" = 1'-0"



6 STOREFRONT DOOR HEAD
SCALE: 3" = 1'-0"



7 STOREFRONT DOOR JAMB
SCALE: 3" = 1'-0"



8 STOREFRONT DOOR SILL
SCALE: 3" = 1'-0"

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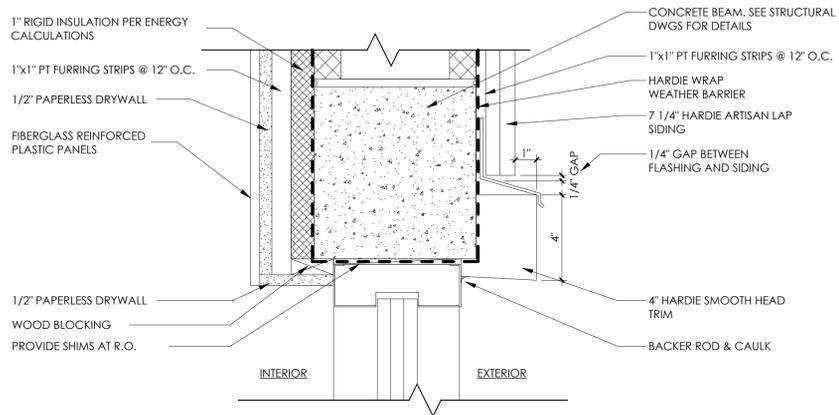
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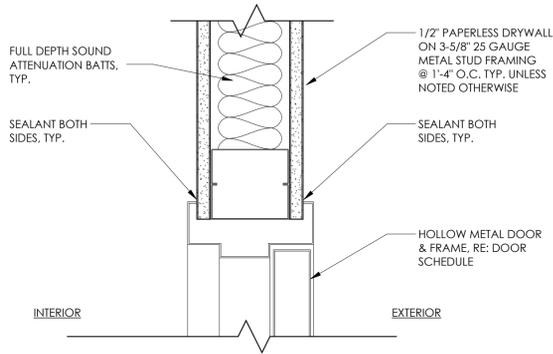
WINDOW DETAILS

PHASE CD
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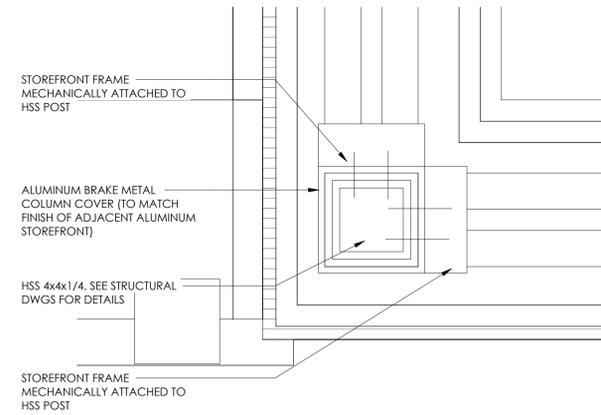
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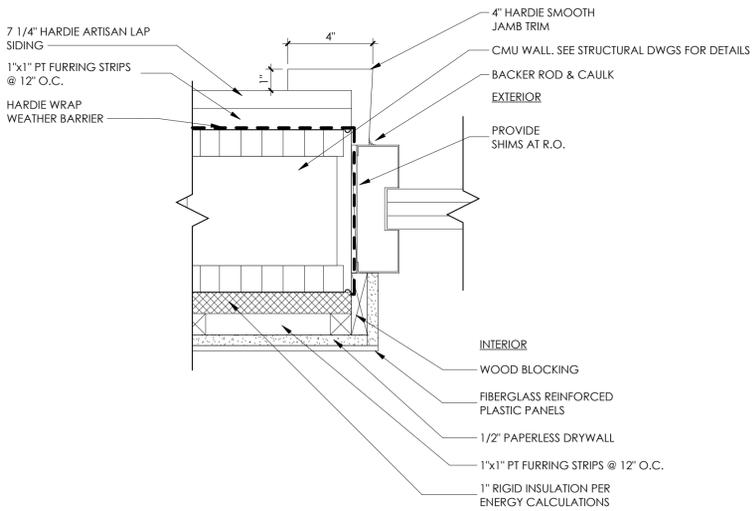
1 STOREFRONT HEAD DETAIL
SCALE: 3" = 1'-0"



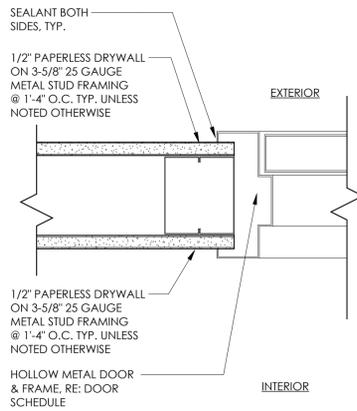
5 INTERIOR DOOR HEAD
SCALE: 3" = 1'-0"



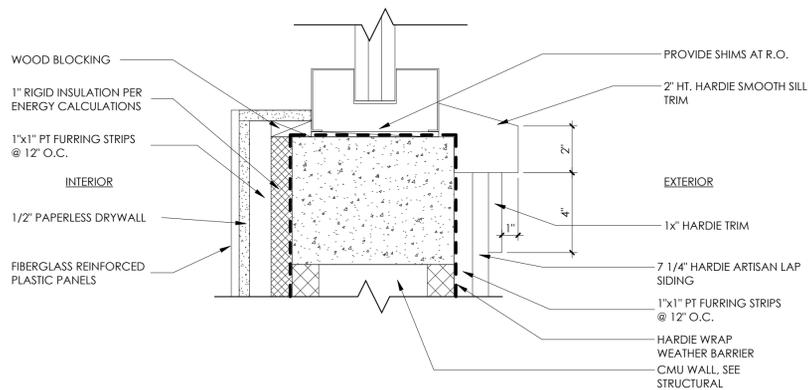
7 STOREFRONT - POST CONNECTION DETAIL
SCALE: 3" = 1'-0"



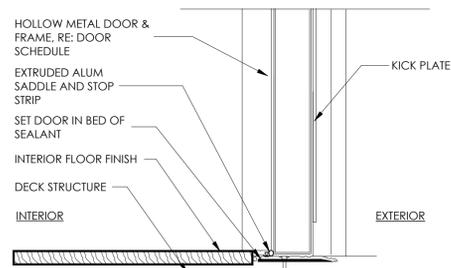
2 STOREFRONT JAMB
SCALE: 3" = 1'-0"



4 INTERIOR DOOR JAMB
SCALE: 3" = 1'-0"



3 STOREFRONT SILL
SCALE: 3" = 1'-0"



6 INTERIOR DOOR SILL
SCALE: 3" = 1'-0"

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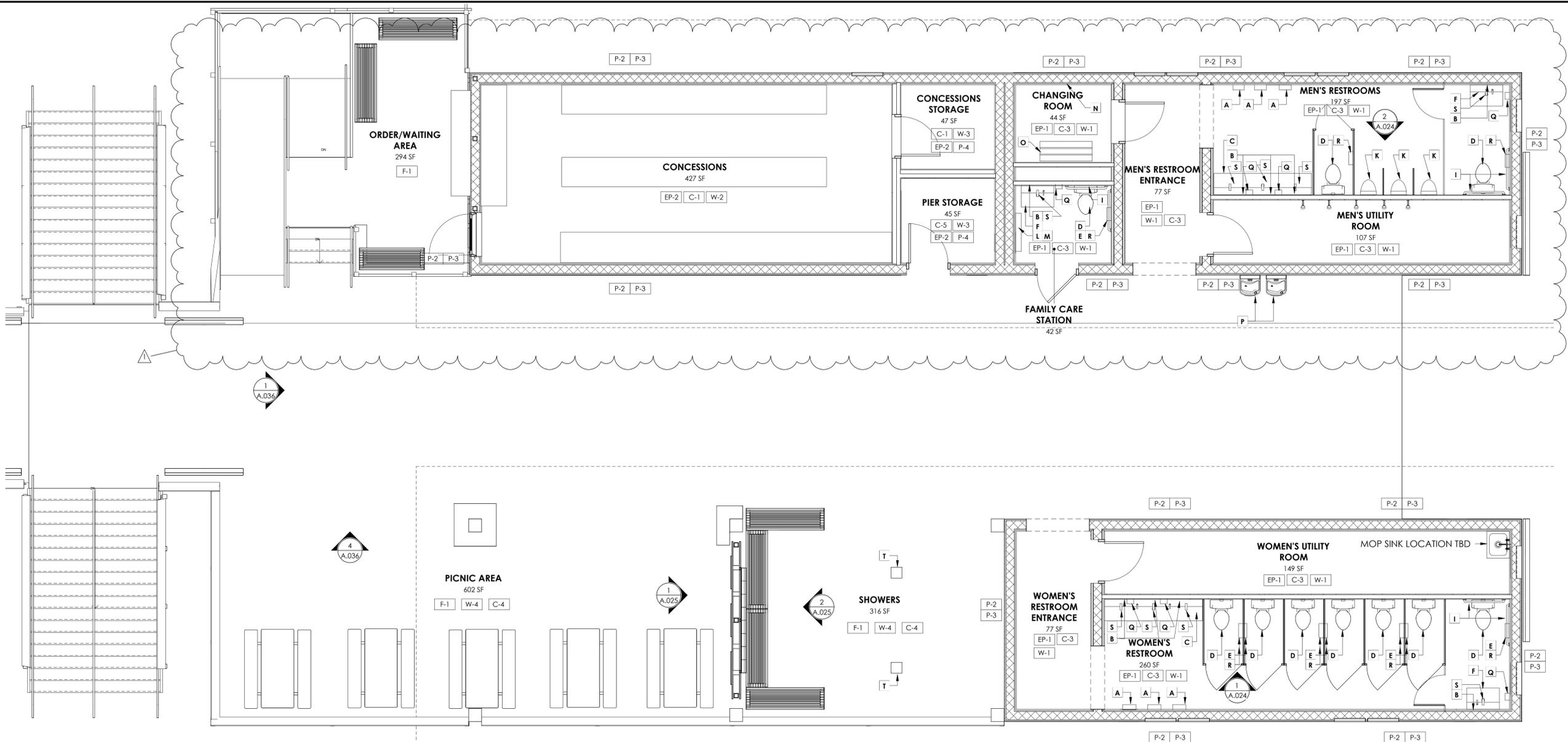
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ROOM FINISHES

PHASE CD
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A.023



1 ROOM FINISHES & AREAS
SCALE: 1/4" = 1'-0"



FINISH SPECIFICATIONS							
TAG	SPECIFICATION	NOTES					
EP-1	DUR-A-FLEX HYBRI-FLEX MC. COLOR TO BE SELECTED BY ARCHITECT FROM ANY OF MACRO-CHIP, MICRO-CHIP, EARTHSTONE, CLAYSTONE DESIGNER FINISHES. BASE BID: INSTALL OVER EXISTING CONCRETE SLAB (AFTER REMOVAL OF EXISTING EP OXY FLOORING) ALTERNATE BID: INSTALL OVER EXISTING EPOXY FLOORING	FLOOR	P-2	PAINT: MANUFACTURER: SHERWIN-WILLIAMS COLOR: TO MATCH EXISTING FINISH: LATEX - EGGSHELL	EXTERIOR HARDIE ARTISAN SIDING	W-2	PAPERLESS DRYWALL WITH FIBERGLASS REINFORCED PLASTIC MARLITE SYMMETRIC SMART SEAM SUBWAY HORIZONTAL 6'X3" OR RECTANGLE HORIZONTAL 6'X3". COLOR AS SELECTED BY ARCHITECT FROM CLASSIC COLORS AND SHERWIN - WILLIAMS COLOR TRENDS
			P-3	PAINT: MANUFACTURER: SHERWIN-WILLIAMS COLOR: TO MATCH EXISTING FINISH: LATEX - SEMIGLOSS	EXTERIOR TRIM	W-3	PAPERLESS DRYWALL, PAINTED
			P-4	PAINT: MANUFACTURER: SHERWIN-WILLIAMS COLOR: AS SELECTED BY ARCHITECT FINISH: EGGSHELL	GENERAL INTERIOR WALL	W-4	IPE-CLAD COLUMNS. NATURAL WEATHER
EP-2	DUR-A-FLEX HYBRI-FLEX MC. COLOR TO BE SELECTED BY ARCHITECT FROM ANY OF MACRO-CHIP, MICRO-CHIP, EARTHSTONE, CLAYSTONE DESIGNER FINISHES. BASE BID: INSTALL OVER EXISTING CONCRETE SLAB (AFTER REMOVAL OF EXISTING EP OXY FLOORING) ALTERNATE BID: INSTALL OVER EXISTING EPOXY FLOORING	FLOOR AND 6" COVE BASE	W-1	DUR-A-FLEX DUR-A-WALL VC. WAINSCOT TO EXISTING IPE. COLOR TO BE SELECTED BY ARCHITECT FROM ANY OF MACRO-CHIP AND MICRO-CHIP FINISHES. BASE BID: INSTALL OVER EXISTING CMU BLOCK AFTER REMOVAL OF EXISTING EPOXY WALL FINISH AND RELATED MOUNTING MATERIALS. SKIM COAT BLOCK SMOOTH. ALTERNATE BID: INSTALL OVER EXISTING EPOXY WALL FINISH.	EXISTING IPE TO BE REFINISHED	F-1	IPE DECKING NATURAL WEATHER
						C-1	ARMSTRONG, CLEAN ROOM VL#868, UNPERFORATED, WHITE, 2'X2'. WITH 15/16" SUSPENSION SYSTEM
P-1	PAINT: MANUFACTURER: SHERWIN-WILLIAMS COLOR: AS SELECTED BY ARCHITECT FINISH: LATEX - EGGSHELL	CEILING				C-2	GYPSON BOARD, PAINTED WITH SHERWIN-WILLIAMS. COLOR: AS SELECTED BY ARCHITECT FINISH: LATEX - EGGSHELL
						C-3	EXISTING IPE TONGUE AND GROOVE CEILING, TO BE RESTAINED.
						C-4	TRUSSES (HEAVY TIMBER), RAFTERS, TONGUE AND GROOVE ROOF DECK. NATURAL WEATHER ALL IPE.
						C-5	STUCCO PAINTED W/ SHERWIN WILLIAMS. COLOR AS SELECTED BY ARCHITECT, FINISH LATEX-EGGSHELL

EQUIPMENT LEGEND:

- A. ELECTRICAL HAND DRYER. DYSON. AIRBLADE V. MODEL #HU02, LOW VOLTAGE 307174-01, SPRAYED NICKEL.
- B. FRAMELESS MIRROR. BOBRICK. B-1556 2436
- C. THREE STATION LAVATORY. BRADLEY VERGE, MODEL # LVLD3 / L SINGLE TEMPERED LINE ASSEMBLY / ANTARTICA / STAIN / S-POLY
- D. TOILET. AMERICAN STANDARD. MODEL #3353.001 AFWALL MILLENIUM FLOWISE 1.1 GPF ELONGATED FLUSHOMETER TOILET SYSTEM WITH EVERCLEAN. AC POWER #4067.262.002 (BACK SPUD) WHITE. WITH HEAVY DUTY OPEN FRONT ELONGATED COVER SEAT WITH EVERCLEAN SURFACE. MODEL # 5901110T.020
- E. SANITARY PRODUCT DISPOSAL UNIT MODEL 4A10-11 SURFACE MOUNTED BRADEX - DIPLOMAT SERIES - STAINLESS STEEL WITH HEAVY DUTY PIANO HINGE.
- F. LAVATORY. BRADLEY. MODEL #LVLD1 / IR-DCCD-PT / 6315-KT0000-P19-231F / TMA / ANTARTICA / STAIN / S-POLY
- G. **NOT USED**
- H. **NOT USED**
- I. GRAB BAR. BOBRICK. MODEL #B-6897.99 TWO- WALL TOILET COMPARTMENT GRAB BAR PEENED.
- J. **NOT USED**
- K. URINAL. AMERICAN STANDARD. MODEL #6042.001EC.020 DECORUM. 125 GPF/0.47 LPF HIGH EFFICIENCY TOP SPUD URINAL WITH EVERCLEAN, WHITE. WITH SELECTIONIC DC TOP SPUD FLUSH VALVE 6063.013.002
- L. BABY CHANGING STATION. KOALA KARE. MODEL #KB300-SS. COLOR: 01 GREY
- M. CHILD PROTECTION SEAT. KOALA KARE. MODEL # KB102. COLOR 01 GREY.
- N. HEAVY DUTY CLOTHES HOOK WITH CONCEALED MOUNTING. BOBRICK. MODEL # B-2116 (5 TOTAL)
- O. BENCH. BRADLEY. LENOXPEDESTAL 72-0120 BLACK STD - LENOX LOCKER PEDESTAL BENCH. 12 W X 72". COLOR AS SELECTED BY ARCHITECT.
- P. ELKAY EZH2O BOTTLEFILLING STATION & BI-LEVEL HIGH EFFICIENCY VANDAL-RESISTANT COOLER FILTERED REFRIGERATED STAINLESS.
- Q. GOJO 2730-12 TFX 1200 ML BLACK TOUCHLESS HAND SOAP DISPENSER. (EXISTING TO REMAIN)
- R. TWIN TISSUE DISPENSER PLASTIC - BLACK - SURFACE MOUNTED (EXISTING TO REMAIN)
- S. DELTA DEMD-301LF - ELECTRONIC FAUCET FOR COLD OR PREMIXED WATER
- T. EXISTING SHOWERS TO BE REMOVED AND REINSTALLED FOR REUSE

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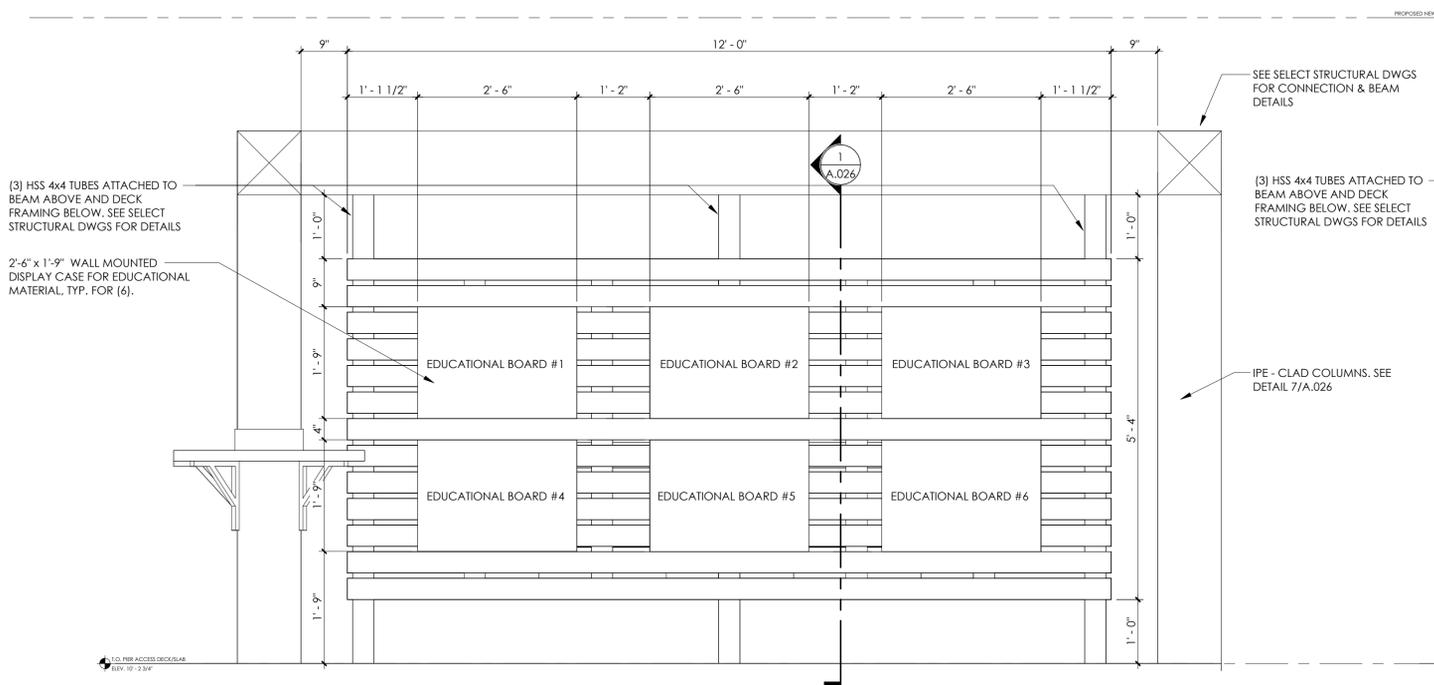
FLORIDA SEAL
REG# AR 16971

ISSUE DATE
3/19/2024
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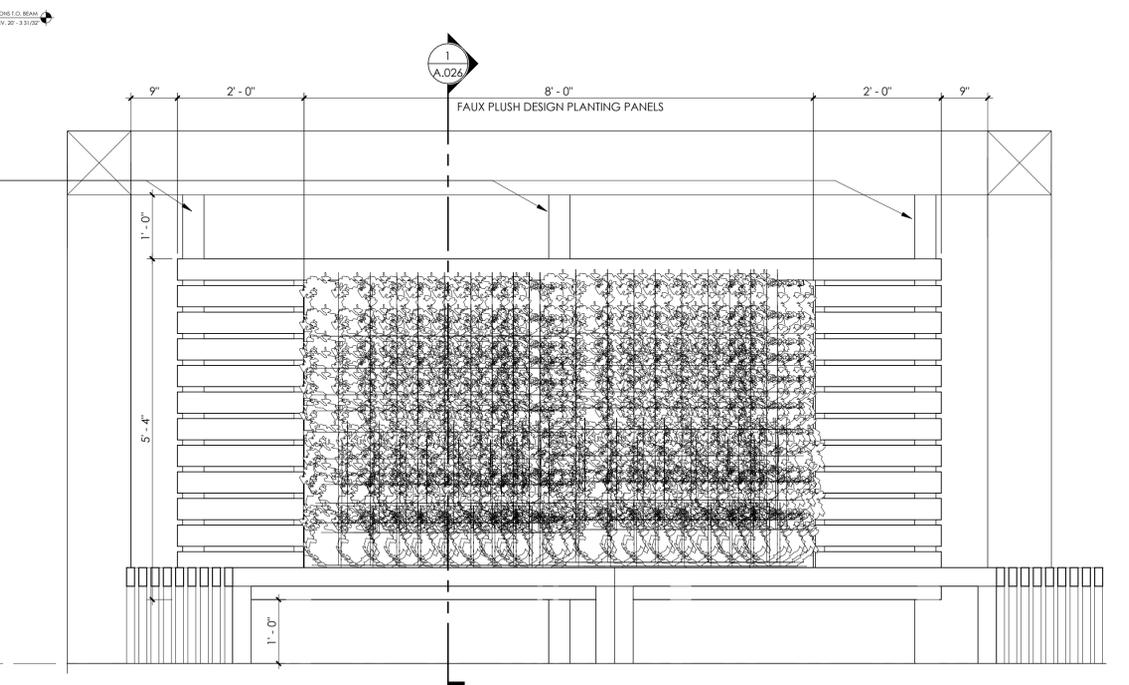
DETAILS

PHASE CD
PR NO 23118

A.025



1 EDUCATIONAL WALL DETAIL
SCALE: 3/4" = 1'-0"

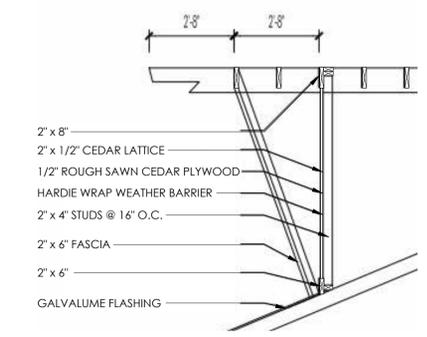


2 IPE WALL - PLANTER DETAIL
SCALE: 3/4" = 1'-0"

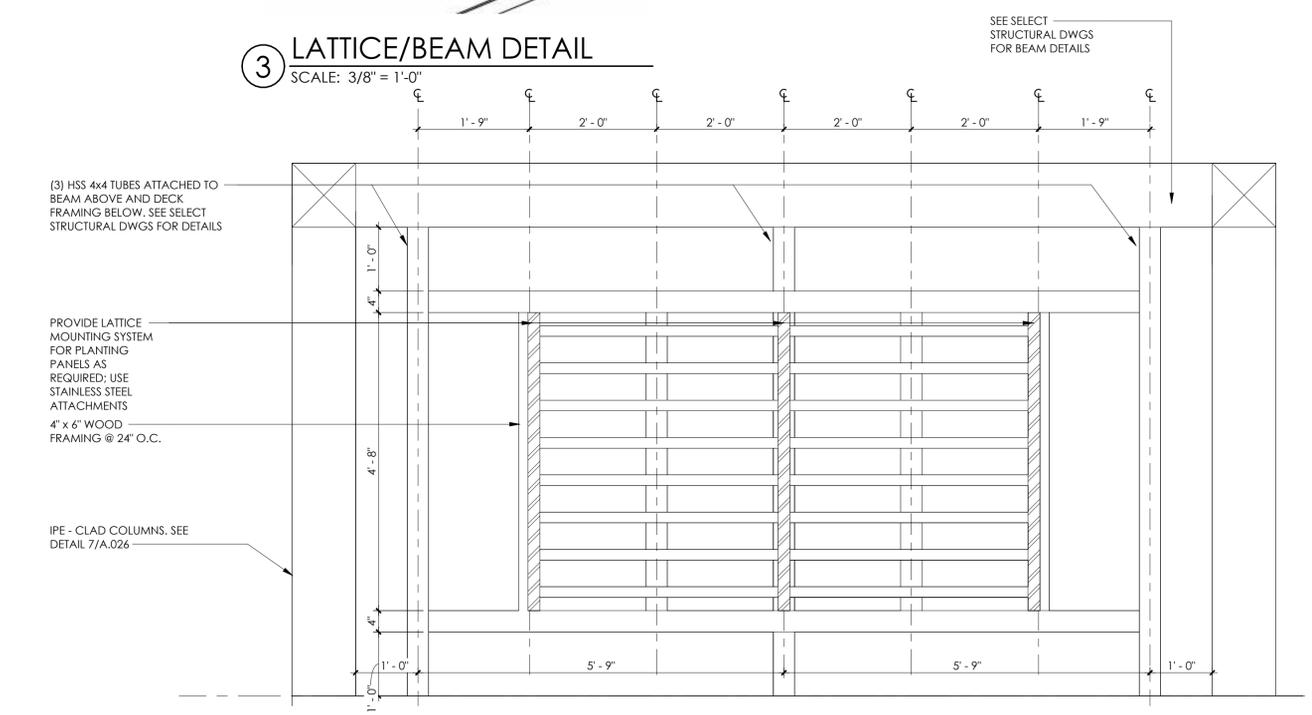


5 BEE ART FAUX PLUSH DESIGN
SCALE: 1/2" = 1'-0"

NOTE:
FAUX FLUSH DESIGN PLANTING PANELS DESIGN AS SHOWN USING FIRE RETARDANT MATERIALS, TREATED WITH UV PROTECTION AND DESIGNED AND INSTALLED BY BEE ART GREEN WALL OR EQUAL



3 LATTICE/BEAM DETAIL
SCALE: 3/8" = 1'-0"



4 IPE WALL - FRAMING DETAIL
SCALE: 3/4" = 1'-0"

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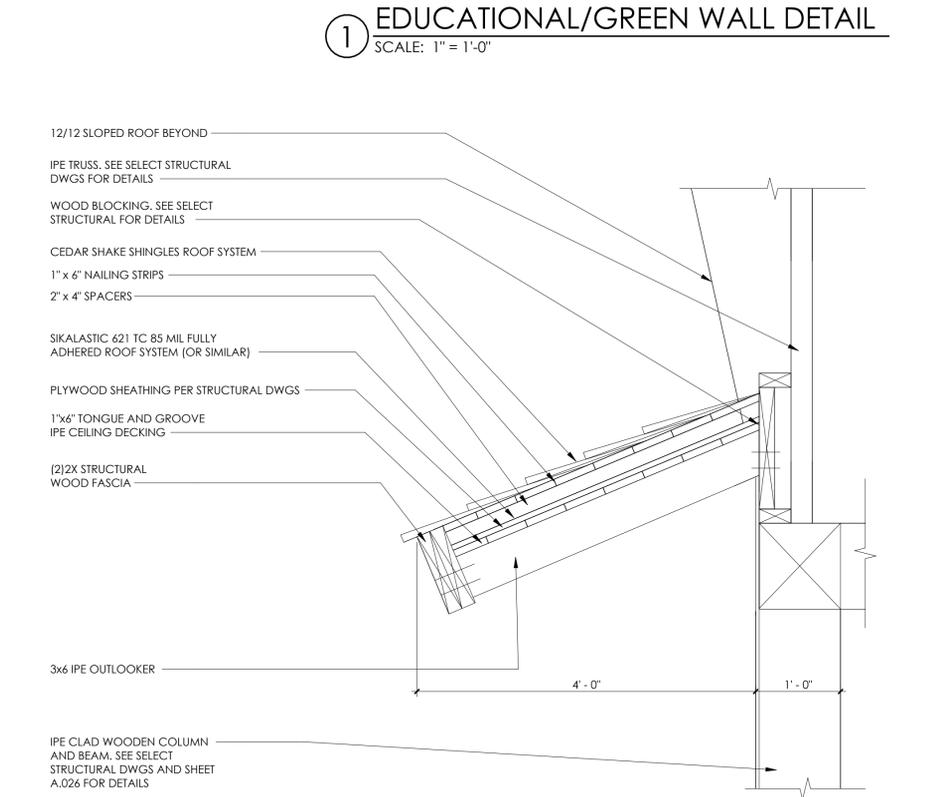
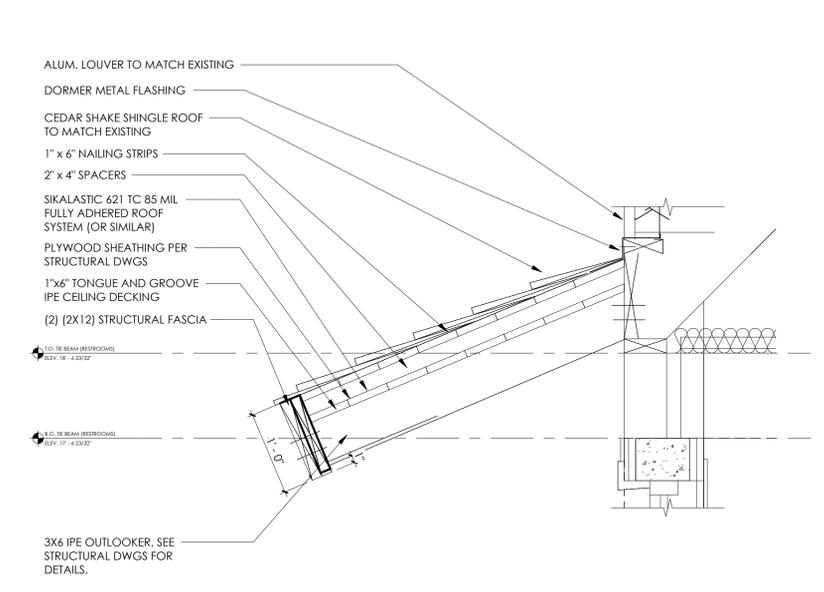
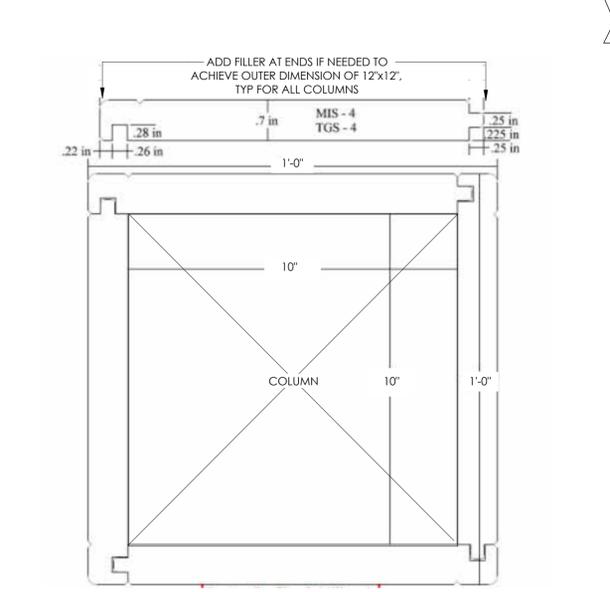
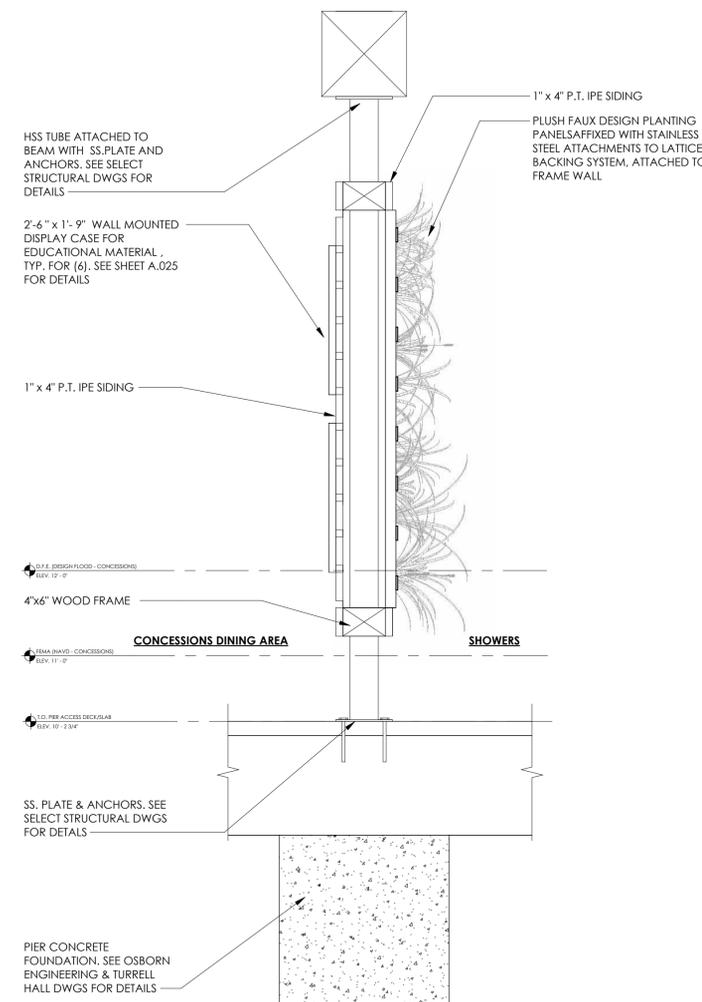
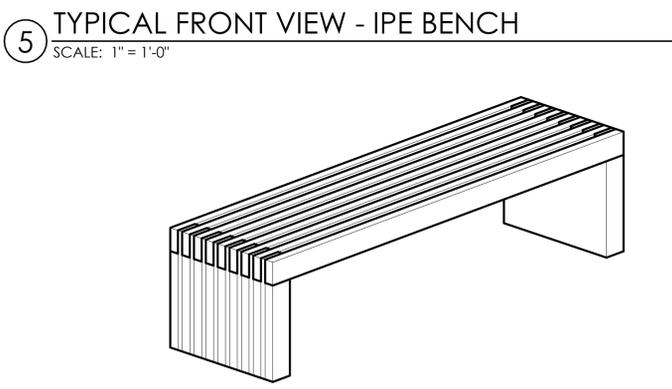
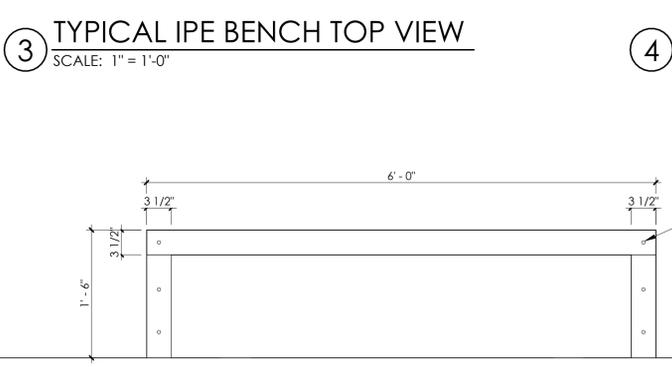
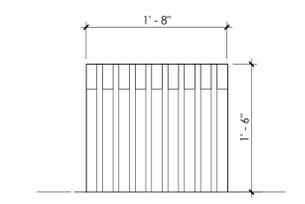
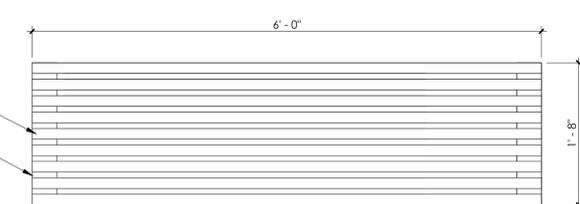
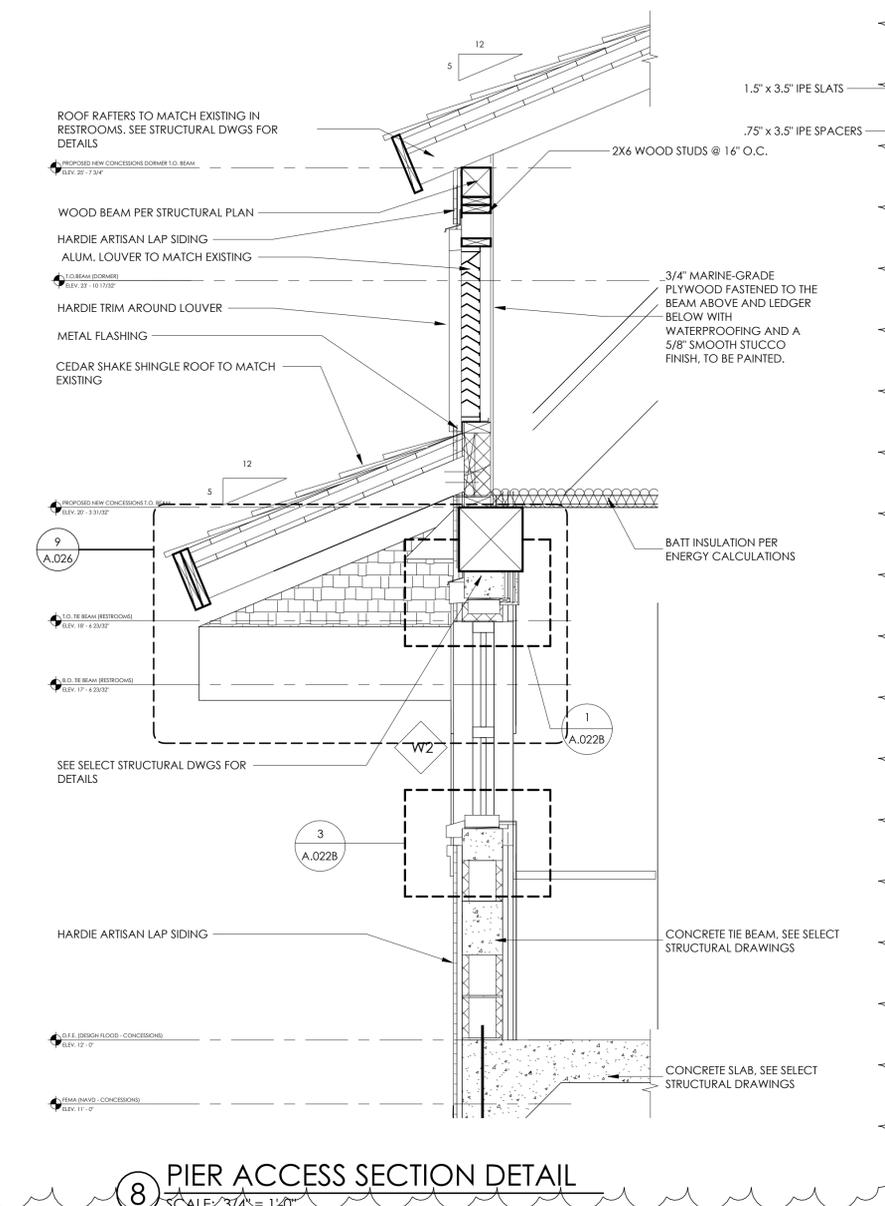
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DETAILS

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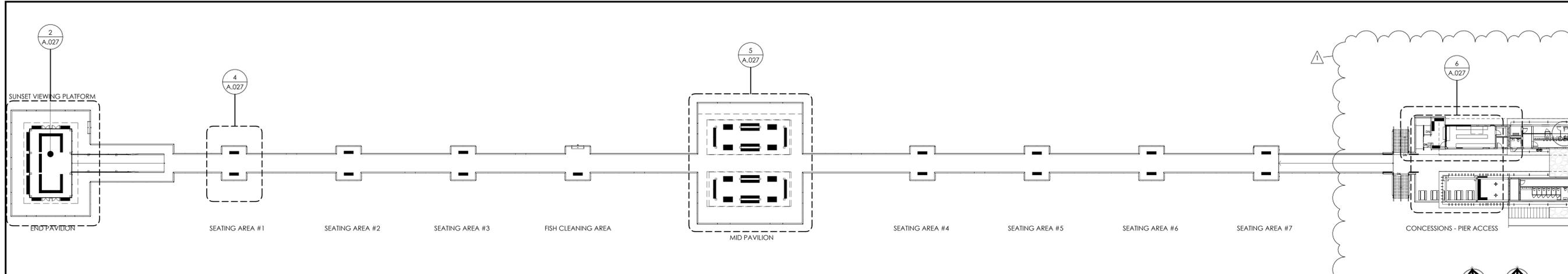
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REG# AR 16971

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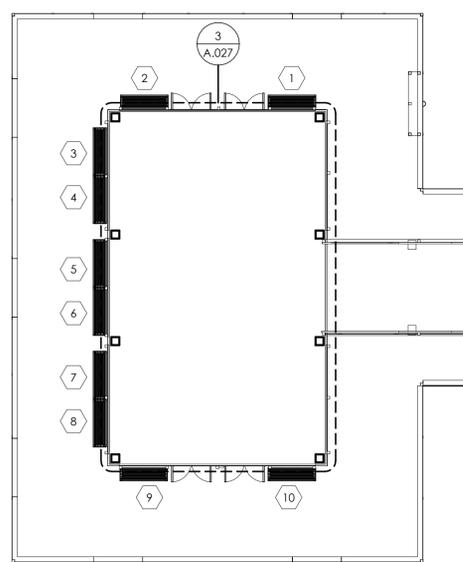
BENCH PLAN

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A.027

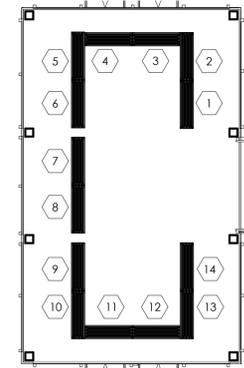


1 OVERALL PIER - BENCH PLAN
SCALE: 1/32" = 1'-0"



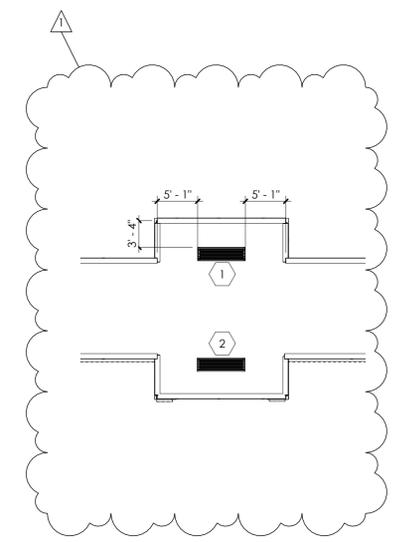
TOTAL = 10 BENCHES

2 END PAVILION BENCH PLAN
SCALE: 3/32" = 1'-0"



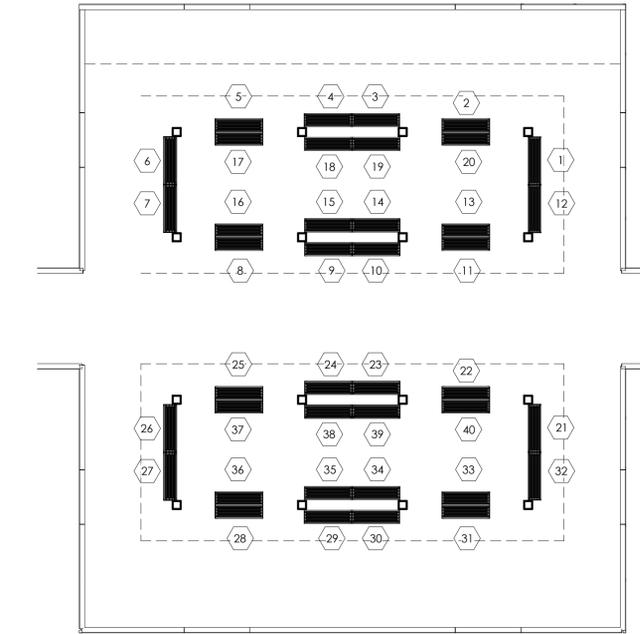
TOTAL = 14 BENCHES

3 SUNSET DECK BENCH PLAN
SCALE: 3/32" = 1'-0"



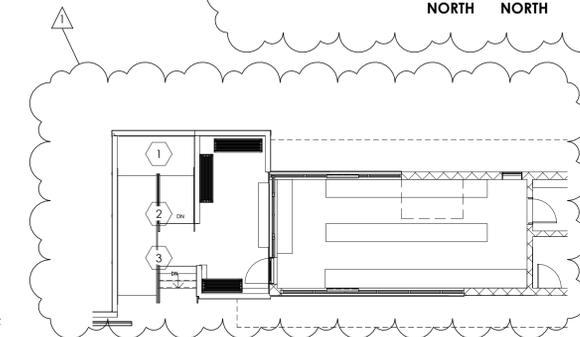
TOTAL = 2 BENCHES

4 TYP. SEATING AREA BENCH PLAN
SCALE: 3/32" = 1'-0"



TOTAL = 40 BENCHES

5 MID-PAVILION BENCH PLAN
SCALE: 3/32" = 1'-0"



TOTAL = 7 BENCHES

6 CONCESSIONS BENCH PLAN
SCALE: 3/32" = 1'-0"

LOCATION	# OF BENCHES
END PAVILION	10 UNITS
SUNSET VIEWING DECK	14 UNITS
SEATING AREA #1	2 UNITS
SEATING AREA #2	2 UNITS
SEATING AREA #3	2 UNITS
SEATING AREA #4	2 UNITS
SEATING AREA #5	2 UNITS
SEATING AREA #6	2 UNITS
SEATING AREA #7	2 UNITS
MID-PAVILION	40 UNITS
CONCESSIONS	7 UNITS
FISH CLEANING AREA	1 UNIT
TOTAL	86 UNITS

NOTE: REFER TO 3,4,5,6/A.026 FOR BENCH DIMENSIONS AND DETAILS

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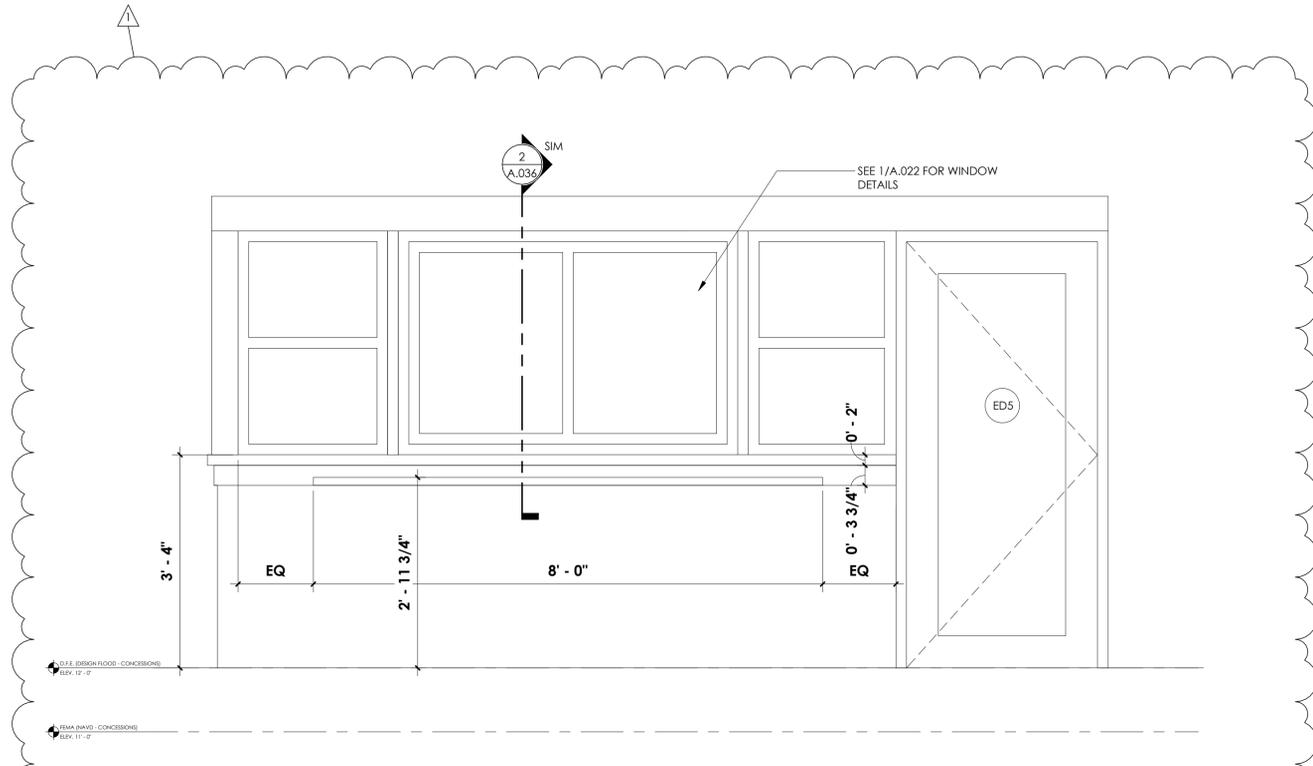
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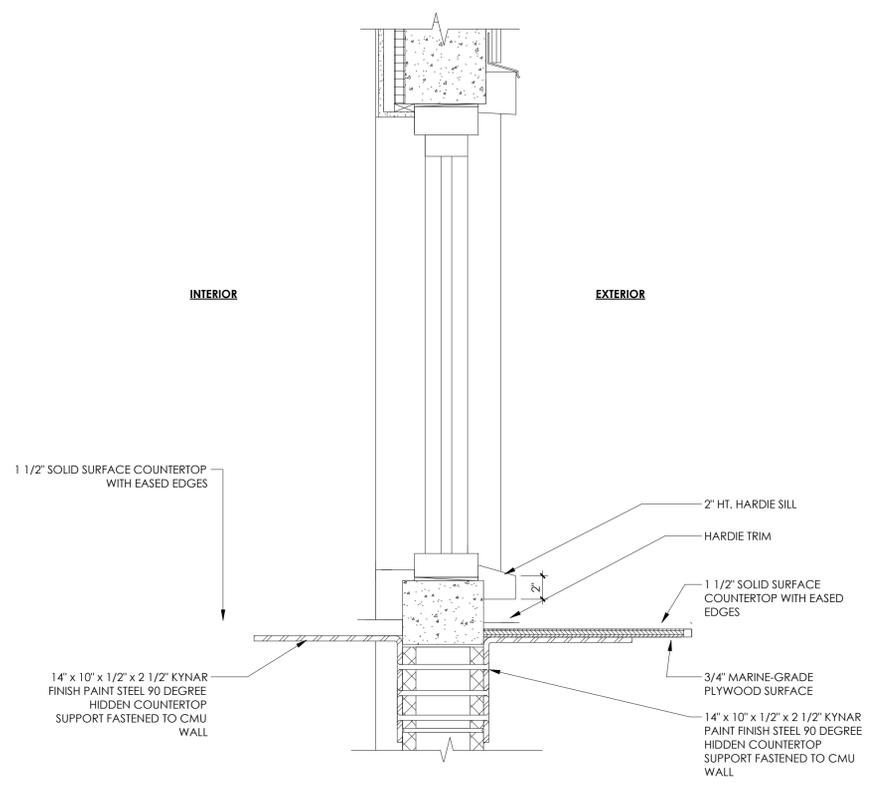
CONCESSIONS
DINING AREA
DETAILS

PHASE CD
PR NO 23118

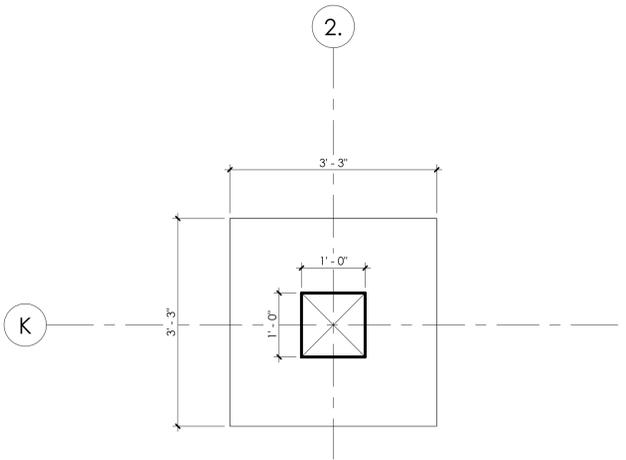
A.036



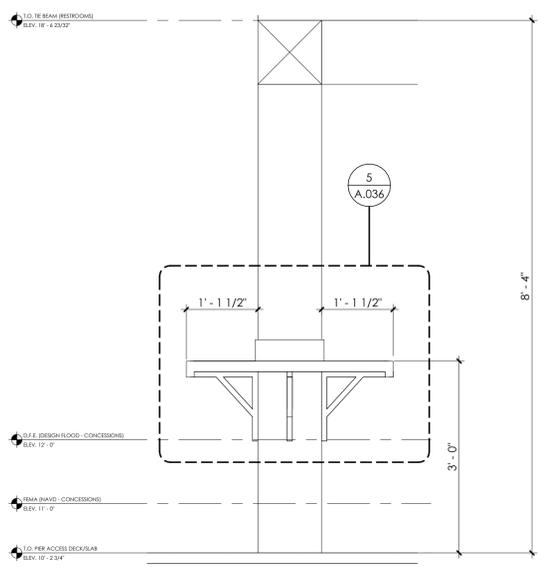
1 CONCESSIONS - COUNTER
SCALE: 3/4" = 1'-0"



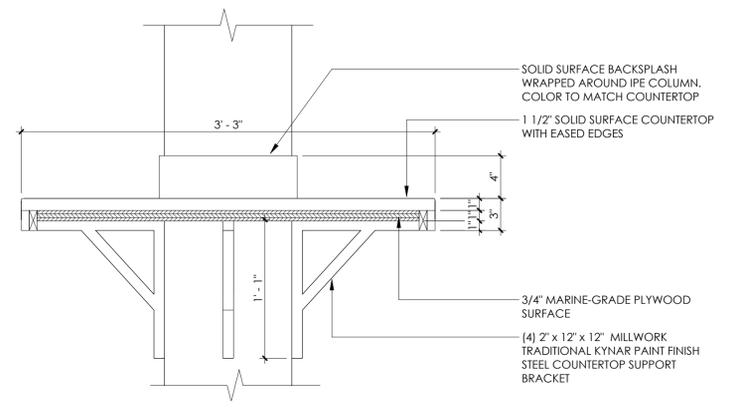
2 COUNTER SECTION
SCALE: 1 1/2" = 1'-0"



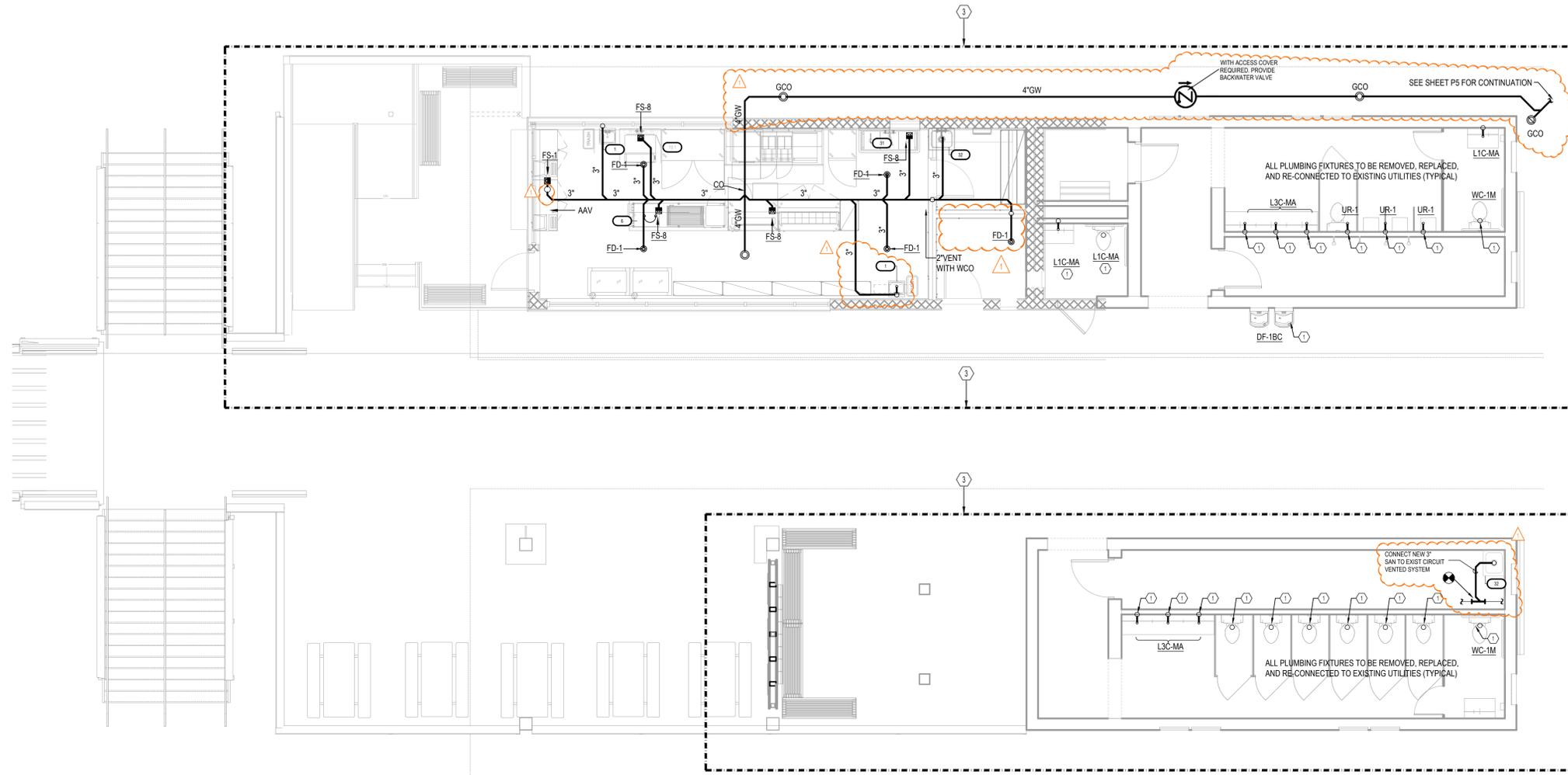
3 COLUMN - COUNTER TOP VIEW
SCALE: 3/4" = 1'-0"



4 COLUMN - COUNTER DETAIL
SCALE: 3/4" = 1'-0"



5 COUNTER @ COLUMN - DETAIL
SCALE: 1 1/2" = 1'-0"



1 SANITARY PLUMBING FLOOR PLAN
P2 SCALE: 3/16" = 1'-0"
 4' 3' 2' 1' 0 3/16" = 1'-0"

EQUIPMENT SCHEDULE																												
ItemNo	Quantity	Unit	Category	Mfr	Model	StockModel	ELECTRICAL						PLUMBING							Special	Equipment Remarks							
							Voltage	Phase	Amps	Cycle	Hp	Kw	ConnectionType	NEMA	ElectricalConnectionHeight	Cold Water (in)	Cold Water Conn. Height(in)	Hot Water (in)	Hot Water Conn. Height(in)			Indirect Waste Size	Direct Waste Size	Direct Waste Conn. Height(m)	Gas Size(in)	GasConn.Height(in)	Gas MBTU	
1	2	ea	Hand Sink	Krowne	HS-26																							
2	1	ea	Wire Shaving	John Boos	EFS-1830-G-X																							
3	2	ea	POS System	Custom	POS																							
4	1	ea	Chest Freezer	Altoia USA, Inc	MMP9113		115	1	1.6	60																		
5	2	ea	Spare Number				115	1	3.1	60	110																	
6	1	ea	Soda Ice & Beverage Dispenser	Cornelius	621053495		115	1	3.0	60																		
7	1	ea	Work Table, Stainless Steel Top	Advance Tabco	SLAG-308-X																							
8	1	ea	Hot Dog Grill	APW Wyott	HR-50		120	1	10.8	60	1.31																	
9	1	ea	Display Case, Hot Food, Countertop	Walcot	FDW001-120-OS		120	1	11.8	60	1.33																	
10	1	ea	Undercounter Refrigerator	True Mfg - General Foodservice	TUC-480-2-HC		115	1	3	60	105																	
11	1	ea	Spare Number																									
12	1	ea	Overhead	John Boos	OS-ED-1848-X																							
13	1	ea	Heat Lamp	Hanco	GRAN-42-125-T-OS		120	1	60	60	30																	
14	1	ea	Sandwich / Salad Preparation Refrigerator	True Mfg - General Foodservice	TSSU-60-18-HC		115	1	6.5	60	103																	
15	1	ea	Overhead	John Boos	OS-ED-1860-X																							
16	1	ea	Spare Number																									
17	1	ea	Chest Freezer	Altoia USA, Inc	MMP9110		115	1	1.6	60																		
18	1	ea	Spare Number																									
19	1	ea	Ice Maker with Bin, Cube-Style	Mantwood	MDP0310A		115	1	10	60	34																	
20	1	ea	Undercounter Refrigerator	True Mfg - General Foodservice	TUC-60-HC		115	1	4	60	114																	
21	1	ea	Spare Number																									
22	1	ea	Reach-In Freezer	True Mfg - General Foodservice	TS-23F-HC		115	1	3.7	60	102																	
23	1	ea	Appliance																									
24	1	ea	Pizza Bake Oven, Countertop, Electric	Bakers Pride	P44S		208	1	34.5	60																		
25	1	ea	Undercounter Refrigerator	True Mfg - General Foodservice	TUC-270-2-HC		115	1	2	60	106																	
26	2	ea	Electric Floor Fryer	Impertal	IFS-40-E		208	1	68	60	14.1																	
27	1	ea	Griddle, Electric, Countertop	Impertal	IG-24-E		208	3	29.0	60	8.3																	
28	5	ea	Wire Shaving	John Boos	EFS-1830-G-X																							
29	1	ea	Spare Number																									
30	1	ea	Spare Number																									
31	1	ea	Three (3) Compartment Sink	John Boos	3B184-X																							
	1	ea		John Boos	3B184-X																							
	1	ea		John Boos	3B184-X																							
32	1	ea	Mop Sink	Krowne	MS-2424																							
33	1	ea	Booster Heater, Tankless, Electric	Hudson	JT303-GRS		208	1	140	60	31																	
34	5	ea	Wire Shaving	John Boos	EFS-2472-G-X																							

KEYED SHEET NOTES

- ① REMOVE EXISTING PLUMBING FIXTURE AND REPLACE WITH NEW, PROVIDE WITH ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION
- ② OMITTED
- ③ LIMIT OF WORKSCOPE COVERED BY THIS DRAWING SET. REFER TO DESIGN DRAWINGS PROVIDED AND DESIGNED BY OTHERS. COORDINATE WORK SCOPE WITH GENERAL CONTRACTOR.

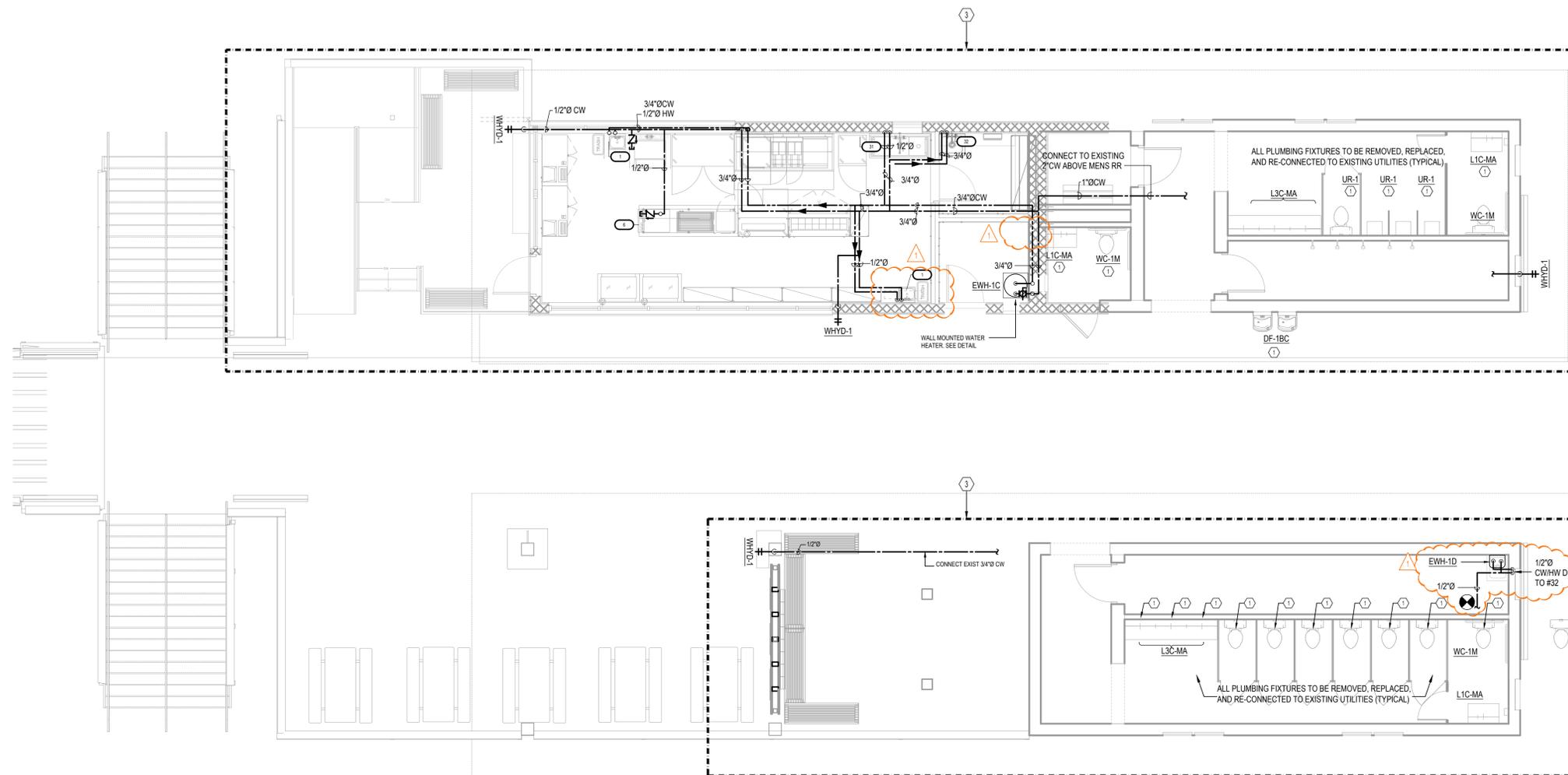
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 BID DRAWINGS 02/26/2024
 PERMIT 03/04/2024
 RDG DEPT. COMMENTS 04/29/24 & 5/13/24

PHASE PR NO 95% 23118



1 DOMESTIC WATER PLAN
P3 SCALE: 3/16" = 1'-0"
 4' 3' 2' 1' 0' 3/16" = 1'-0" 8' 12'

KEYED SHEET NOTES

- ① REMOVE EXISTING PLUMBING FIXTURE AND REPLACE WITH NEW. PROVIDE WITH ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION. PROVIDE WITH NEW QUARTER-TURN SUPPLY VALVES.
- ② OMITTED
- ③ LIMIT OF WORKSCOPE COVERED BY THIS DRAWING SET. REFER TO DESIGN DRAWINGS PROVIDED AND DESIGNED BY OTHERS. COORDINATE WORK SCOPE WITH GENERAL CONTRACTOR.

EQUIPMENT SCHEDULE															PLUMBING													
ItemNo	Quantity	Unit	Category	Mfr	Model	StockModel	Voltage	Phase	Amps	Cycle	Hp	Kw	ConnectionType	NEMA	ElectricalConnectionHeight	Cold Water (in)	Cold Water Conn. Height(in)	Hot Water (in)	Hot Water Conn. Height(in)	Indirect Waste Size	Direct Waste Size	Direct Waste Conn. Height(in)	Gas Size(in)	GasConn Height(in)	Gas MBTU	Special	Equipment Remarks	
1	2	ea	Hand Sink	Krowne	HS-26L											1/2"		1/2"			1-1/2"							
2	2	ea	Wine Chilling	Krowne	H-100																1-1/2"							
3	2	ea	POS System	Custom	POS																							
4	1	ea	Chest Freezer	Aloxia USA, Inc	MMF9113		115	1	1.5	60			Cord & Plug	5-15P														
5	1	ea	Undercounter Refrigerator	True Mfg. - General Foodservice	TUC-48D-2-4C		115	1	3	60	1/2		Cord & Plug	5-15P														
6	1	ea	Soda Ice & Beverage Dispenser	Cornelius	621053405		115	1	3.0	60	1/2		Cord & Plug	5-15P														
7	1	ea	Work Table, Stainless Steel Top	Advance Tabco	SLAG-306-X		120	1	10.8	60	1.32		Cord & Plug	5-15P														
8	1	ea	Hot Dog Grill	APW Wyco	185-55		120	1	11.6	60	1.39		Cord & Plug	5-15P														
9	1	ea	Display Case, Hot Food, Countertop	Halco	FDWD-1-120-QS		115	1	3	60	1/2		Cord & Plug	5-15P														
10	1	ea	Undercounter Refrigerator	True Mfg. - General Foodservice	TUC-48D-2-4C		115	1	3	60	1/2		Cord & Plug	5-15P														
11	1	ea	Spares Number																									
12	1	ea	Griddle	John Boos	GS-ED-1845-X		120	1		60	.95																SparesNo.	
13	1	ea	Heat Lamp	Halco	GRH-42-120-T-4S		115	1	6.5	60	1/3		Cord & Plug	5-15P														
14	1	ea	Sandwich / Salad Preparation Refrigerator	True Mfg. - General Foodservice	TSSU-60-16-HC		115	1	8.5	60	1/3		Cord & Plug	5-15P														
15	1	ea	Spares Number	John Boos	GS-ED-1860-X																							SparesNo.
16	1	ea	Spares Number																									SparesNo.
17	1	ea	Chest Freezer	Aloxia USA, Inc	MMF9113		115	1	1.5	60			Cord & Plug	5-15P														
18	1	ea	Spares Number																									SparesNo.
19	1	ea	Ice Maker with Bin, Cube-Style	Martinox	LDR9310A		115	1	10	60	3/4		Cord & Plug	5-15P		3/8"					1/2"						SparesNo.	
20	1	ea	Undercounter Refrigerator	True Mfg. - General Foodservice	TUC-60-4C		115	1	4	60	1/4		Cord & Plug	5-15P														
21	1	ea	Spares Number																									SparesNo.
22	1	ea	Reach-In Freezer	True Mfg. - General Foodservice	TS-25F-HC		115	1	3.7	60	1/2		Cord & Plug	5-15P														
23	1	ea	Spares Number	Accorco																								SparesNo.
24	1	ea	Pizza Bake Oven, Countertop, Electric	Bakers Pride	P445		208	1	34.6	60			Cord & Plug	6-50P														
25	1	ea	Undercounter Refrigerator	True Mfg. - General Foodservice	TUC-27D-2-4C		115	1	2	60	1/8		Cord & Plug	5-15P														
26	2	ea	Electric Pizza Fryer	Impenel	IFB-40-E		208	1	68	60	14																	
27	1	ea	Griddle, Electric, Countertop	Impenel	ITG-24-E		208	3	29.0	60	8.0																	
28	5	ea	Wire Shelving	John Boos	EPS-1830-G-X																							
29	1	ea	Spares Number																									SparesNo.
30	1	ea	Spares Number																									SparesNo.
31	1	ea	Three (3) Compartment Sink	John Boos	3B184-X																							
32	1	ea	Mop Sink	Krowne	MS-2424											1/2"		1/2"			2"							
33	1	ea	Booster Heater, Tankless, Electric	Hubbell	TJX031-6RS		208	1	149	60	31					1/2"		1/2"										
34	0	ea	Wine Chilling	John Boos	EPB-2172-G-X																							

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 MICHAEL P. STUMWART | PRESIDENT
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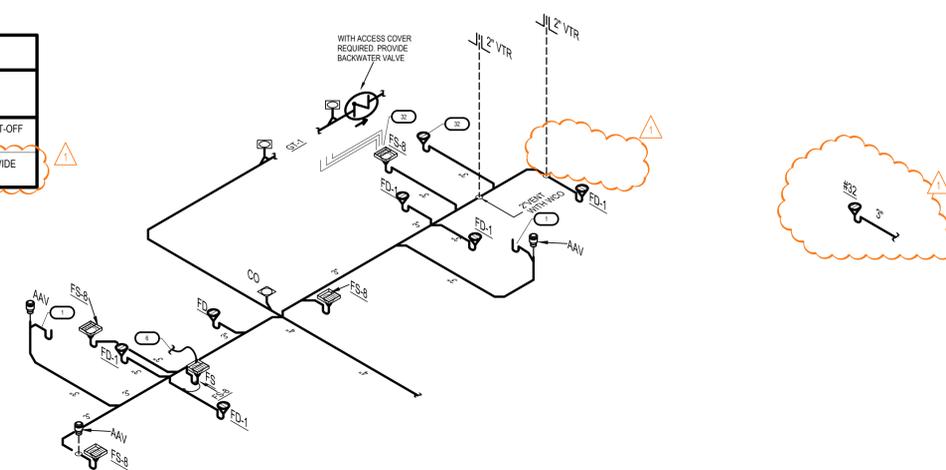
BID DRAWINGS 1/24/2024
 BID DRAWINGS 02/26/2024
 PERMIT 03/04/2024
 BLDG DEPT. COMMENTS 04/29 & 5/13/24

PHASE 95%
 PR NO 23118

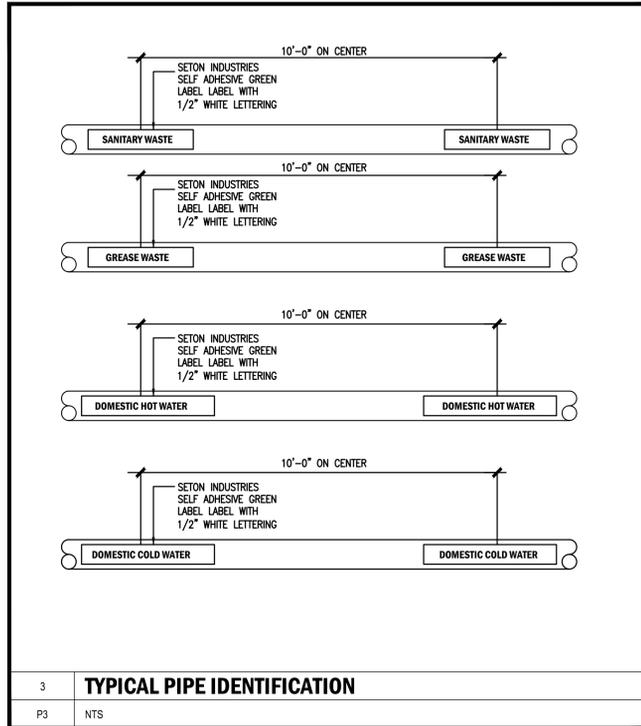
P2A

ELECTRIC WATER HEATER SCHEDULE													
MARK	BASIS OF DESIGN		CONNECTIONS SIZES (Ø)	PERFORMANCE GPM (@90° RISE)	EFFICIENCY UEF	CALL ONS (NOMINAL)	PHYSICAL DATA			ELECTRICAL		NOTES	
	MANUFACTURER - MODEL	DESCRIPTION					DIAMETER x HEIGHT (INCHES)	GALLONS (ACTUAL)	SHIPPING WEIGHT (LBS)	FILLED WEIGHT (LBS)	KW		VOLTAGE
EWH-1C	AO SMITH ENS-40	ELECTRIC TANK TYPE STORAGE WATER HEATER, SHORT	3/4"x3/4"	20.7	0.92	40.0	21"50"	37.0	125 LBS	434 LBS	4.5	240/1	PROVIDE WITH DRAIN PAN, UNIONS, AND SHUT-OFF VALVE ON INLET
EWH-1D	AO SMITH EPU-2.5	MINI ELECTRIC TANK TYPE STORAGE WATER HEATER	3/4"x3/4"	6.62	N/A	2.5	12"DX15"W	2.5	17 LBS	38 LBS	1.44	120/1	WALL HUNG MINI-TANK WATER HEATER. PROVIDE WITH MOUNTING HARDWARE AND BACKING

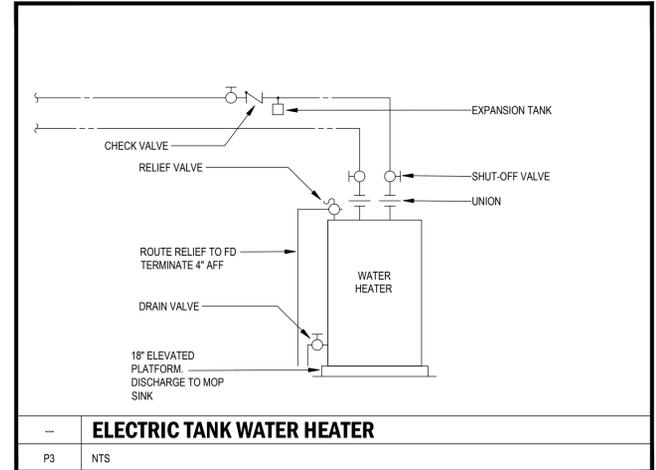
GREASE INTERCEPTOR SIZING CALCULATION										
PDI 0101 FIXTURE FLOW RATE BY VOLUME										
FORMULA A: GPM = (DW)(L)(D)(N)(C)(Q)(D)(21)										
TAG OR IDENTITY	DESCRIPTION	(W) WIDTH	(L) LENGTH	(D) DEPTH	(N) NUMBER OF COMPARTMENTS	(C) CAPACITY MULTIPLES	(Q) FIXTURE QUANTITY	(D) DRAIN INCHES	CUBIC INCHES	
1	3 COMPARTMENT SINK	18	18	14	3	0.75	1	10006		
2	HAND SINK	10	8	6	1	0.75	1	360		
3	MOP SINK	20	18	8	1	0.75	1	2160		
								TOTAL CUBIC INCHES	12726	
								GPM CONVERSION CONSTANT	231	
								SUB-TOTAL FORMULA A GPM	55.1	
FIXTURE FLOW RATE BY TRAP SIZE (FBC 709.2)										
FORMULA B: GPM = (DF)(Q)(DGM)										
TAG OR IDENTITY	DESCRIPTION	(T) TRAP SIZE	(D) DFU	(Q) QUANTITY	TOTAL DFU	(DGM) DFU / GPM	SUB-TOTAL GPM			
FS-8	FLOOR SINK	3"	5	4	20	2	10			
FD-1	FLOOR DRAIN	3"	5	5	25	2	12.5			
								GRAND TOTAL GPM = (FORMULA A + FORMULA B + FORMULA C)	77.6	
								(DPI) DRAINAGE PERIOD (MINS)	2.0	
								CORRECTED GPM (GRAND TOTAL / (DPI))	38.8	



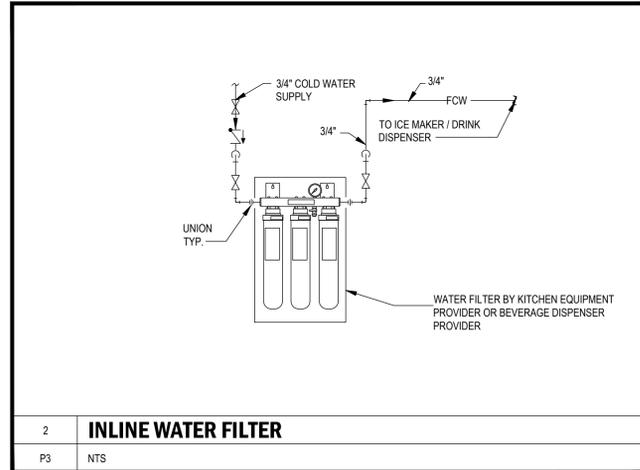
SANITARY ISOMETRIC
SCALE: NOT TO SCALE



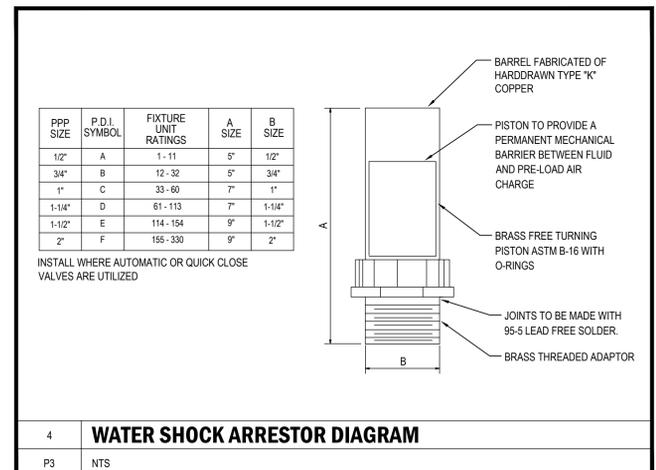
TYPICAL PIPE IDENTIFICATION



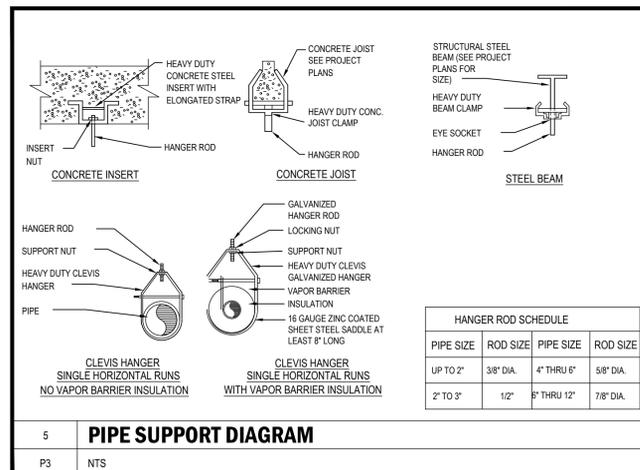
ELECTRIC TANK WATER HEATER



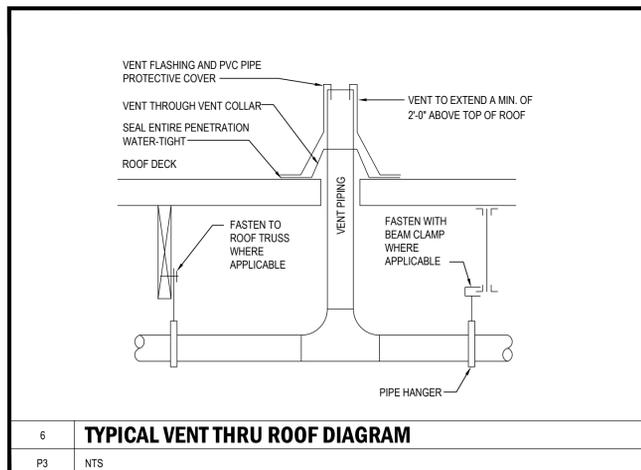
INLINE WATER FILTER



WATER SHOCK ARRESTOR DIAGRAM



PIPE SUPPORT DIAGRAM



TYPICAL VENT THRU ROOF DIAGRAM

ELKAY® Elkay ezH2O Bottle Filling Station & Bi-Level High Efficiency Vandal-Resistant Cooler Filtered Refrigerated Stainless Model LVRGGRNTL8WSK

PRODUCT SPECIFICATIONS

Elkay ezH2O Bottle Filling Station & Bi-Level High Efficiency Vandal-Resistant Cooler Filtered Refrigerated Stainless. Chilling Capacity of 8.0 GPH (gallons per hour) of 50° F drinking water, based on 80° F inlet water and 90° F ambient, per ASHRAE 18 testing. Features shall include Antimicrobial*, Filtered, Green Ticker™, Hands Free, High Efficiency, Laminar Flow, Real Drain, Vandal Resistant, Visual Filter Monitor. Furnished with Vandal Resistant StreamSaver™ bubbler. Electronic Bottle Filler Sensor with Mechanical Front Bubbler Button activation. Product shall be Wall Mount (On Wall), for indoor applications, serving 2 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120.

Special Features:	Antimicrobial, Filtered, Green Ticker™, Hands Free, High Efficiency, Laminar Flow, Real Drain, Vandal Resistant, Visual Filter Monitor
Finish:	Stainless Steel
Power:	115V/60Hz
Bubbler Style:	Vandal Resistant StreamSaver™
Activation by:	Electronic Bottle Filler Sensor with Mechanical Front Bubbler Button
Mounting Type:	Wall Mount (On Wall)
Chilling Capacity*:	8.0 GPH
Full Load Amps	8
Rated Watts:	260
Dimensions (L x W x H):	36-1/8" x 18-5/8" x 46-1/4"
Approx. Shipping Weight:	115 lbs.
Installation Location:	Indoor
No. of Stations Served:	2

*Based on 80° F inlet water & 90° F ambient air temp for 50° F chilled drinking water.

- Mechanically-Activated bubbler continues to supply water in event of service disruptions.
- Visual Filter Monitor: LED Filter Status Indicator for when filter change is necessary.
- Filter is certified to NSF 42 and 53 for lead, cyst, particulate, chlorine, taste and odor reduction. 3,000 gal. capacity.
- High-performance compressor and insulation greatly reduce energy consumption.
- Green Ticker: Informs user of number of 20 oz. plastic water bottles saved from waste.
- Laminar flow provides clean fill with minimal splash.
- Key plastic components are manufactured with silver ion antimicrobial agent helping to provide clean, stain- and odor-free surfaces.
- Real Drain System eliminates standing water.

PART: _____ QTY: _____
 PROJECT: _____
 CONTACT: _____
 DATE: _____
 NOTES: _____
 APPROVAL: _____

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Elkay REV 10272023 Page 1
 LVRGGRNTL8WSK Patent zum-elkay.com/patents LVRGGRNTL8WSK_spec.pdf



Included with Product: Water Cooler (LVRGGRNTL8WSC), Bottle Filler (LZWSR), Filter

Ships in multiple boxes. A Century of Tradition and Quality. For more than 100 years, Elkay has been making innovative products and providing exceptional customer care. We take pride in offering plumbing products that make life easier, inspire change and leave the world a better place.

PRODUCT COMPLIANCE
 ADA & ICC A117.1
 ASME A112.19.3/CSA B45.4
 CAN/CSA C22.2 No. 120
 GreenSpec®
 NSF/ANSI 42, 53, 61 (Qs1), & 372 (lead free)
 UL 399

UL US GreenSpec LISTED
 Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards. Installation may require additional components and/or construction features to be fully compliant. Consult the local Authority Having Jurisdiction if necessary.
[Installation Instructions \(PDF\) - 1000001742](#)

5 Year Limited Warranty on the refrigeration system of the unit. Electrical components and water system are warranted for 12 months from date of installation. **Warranty pertains to drinking water applications only. Non-drinking water applications are not covered under warranty.**
[Warranty \(PDF\)](#)

ELKAY® Elkay ezH2O Bottle Filling Station & Bi-Level High Efficiency Vandal-Resistant Cooler Filtered Refrigerated Stainless Model LVRGGRNTL8WSK

*Antimicrobial claims are in reference to components manufactured antimicrobial agents, helping to provide clean, stain- and odor-free surfaces.

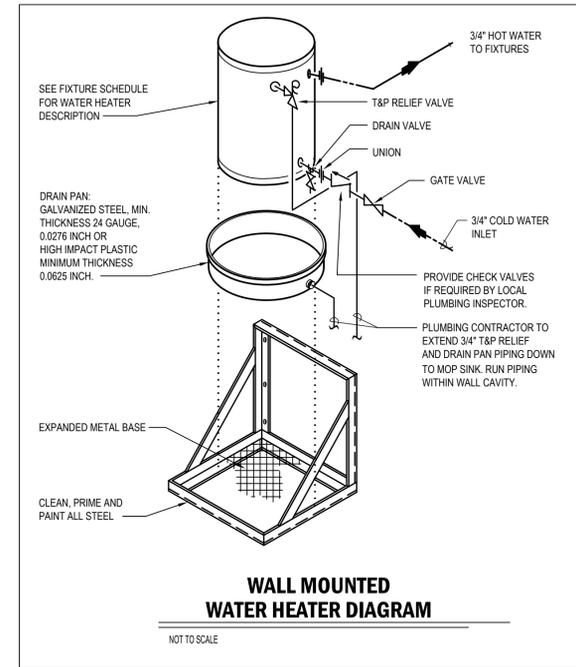
- COOLING SYSTEM**
- Compressor: Hermetically sealed, reciprocating type, single phase. Sealed-in lifetime lubrication.
 - Condenser: Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.
 - Cooling Unit: Combination tube-tank type. Continuous copper tubing with a fully insulated with EPS foam that meets UL requirements for self-extinguishing material.
 - Refrigerant Control: Refrigerant R-134a is controlled by accurately calibrated capillary tube.
 - Refrigerant Control: Refrigerant HFC-134a is controlled by accurately calibrated capillary tube for positively trouble-free operation.
 - Temperature Control: Easily accessible enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements.

Optional Accessories	
51300C	Elkay WaterSentry Replacement Filter (Bottle Fillers & Liv Pro) Spec Sheet (PDF)
98324C	Cane Apron for HAC HVR EMABF & VRC Models (Stainless) Spec Sheet (PDF)
36292C	Power Block for Multistation Bottle Filling Stations Spec Sheet (PDF)
WSF6000R-2PK	WaterSentry 6000 CTO Replacement Filter (2pack) Spec Sheet (PDF)

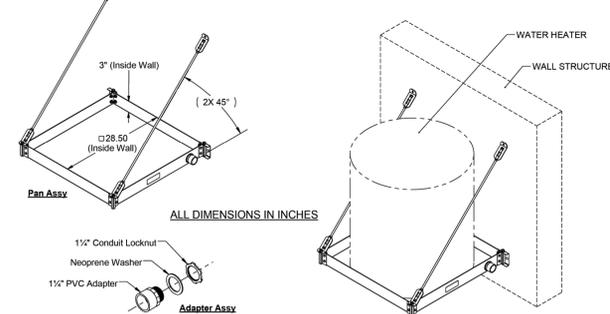
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Elkay REV 10272023 Page 2
 LVRGGRNTL8WSK Patent zum-elkay.com/patents LVRGGRNTL8WSK_spec.pdf

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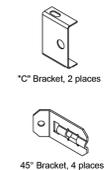
PRODUCT SPECIFICATION DRAWING QUICK STAND™ #60-SWHP-W Wall Mounted Equipment Platform



The #60-SWHP-W Wall Mounted Equipment Platform is engineered to support water heaters up to 50 U.S. gallons, or other equipment, up to 750 pounds total weight. This time and labor savings tool is designed for the Professional Contractor. Design features requested by plumbers are incorporated into a professional platform and drain pan combination.

Product Information:

- Material:
 - Pan: 12 gage CRS, galvanized
 - Corner Brackets (4): 14 gage CRS, galvanized
 - C-Brackets (2): 16 gage CRS, galvanized
 - 45° Brackets (4): 12 gage, CRS, galvanized
 - Threaded Rod (2): Low carbon steel, zinc plated, 3/8" x 40.0" long
- Wide platform allows water heaters up to 28 1/2" diameter
- Watertight corners and sealed 1 1/2" PVC drain body eliminate need for additional drain pan
- Static load rating 750 pounds with 2X safety factor (depending on structural anchorage)
- Professional Engineer stamped documentation available
- Includes PVC drain body 1 1/2" MIPT x 1 1/2" FS
- Suspends with user-supplied 3/8" hardware/anchors to mount to wall, 4 places
- Installation instructions for mounting to concrete or framed wall structure available
- Patent Pending



Product Submittal	
Job Name:	
Date:	
Part Number:	Qty:
Architect / Owner:	
Contractor:	
Notes:	

HOLDRITE®
 CONVERTING V-ANALOG METHODS INTO ENGINEERED SOLUTIONS®
 800-321-0316 OR 760-744-6944 / FAX: 760-744-0507 / WWW.HOLDRITE.COM
 spec_60-SWHP-W_RevB

WATER HEATER BRACKET

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HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST COLLAR(S)					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION	
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	WIDTH	LENGTH	DIA.	CFM	S.P.	MUA CFM			AC CFM
1	H-1 CROSSOVER	XBEC-79-S	79	TOP 36 BOT 26	14 24	430 SS WHERE EXPOSED	MEDIUM	1481	10	14		1481	0.503	1185		158	SINGLE

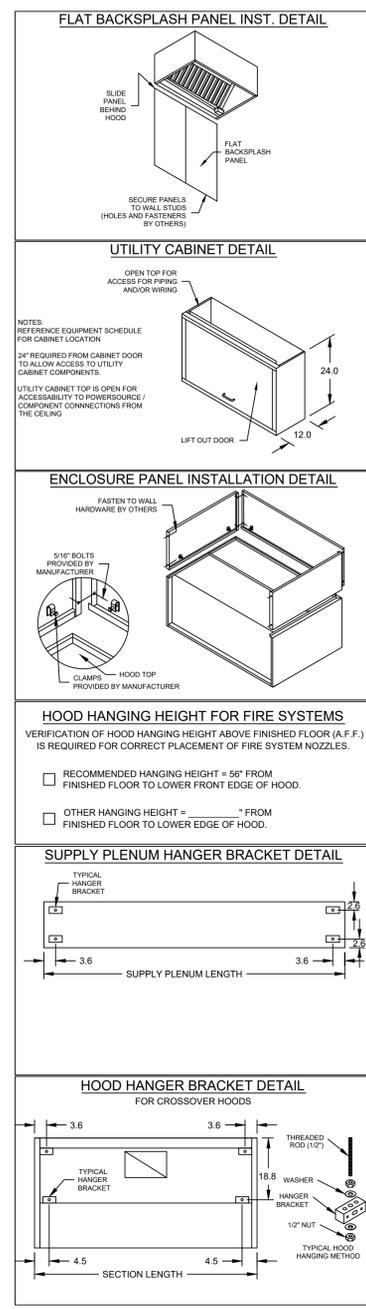
HOOD INFORMATION															
HOOD NO.	MARK	LIGHTING DETAILS				GREASE FILTRATION DETAILS				UTILITY CABINET(S)					
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL	MATERIAL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM	SIZE	MODEL	CONTROLS	INTERFACE
1	H-1 CROSSOVER					BAFFLE	STAINLESS STEEL	3	16 20	16	WALL	ANSUL R102	6		

SUPPLY PLENUM INFORMATION																			
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS						
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM
1	H-1 CROSSOVER	FRONT	ASP	79	14	4	NO	YES	NO		1185	0.02	MUA	FACTORY	2	12.36		593	274

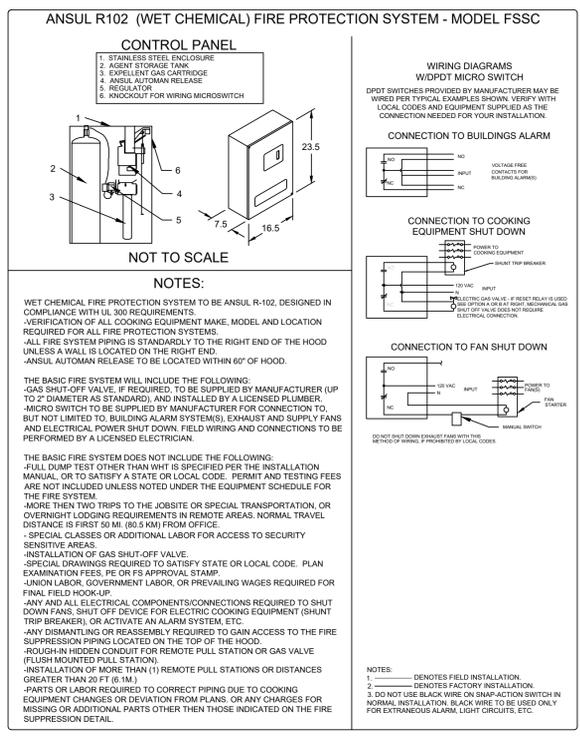
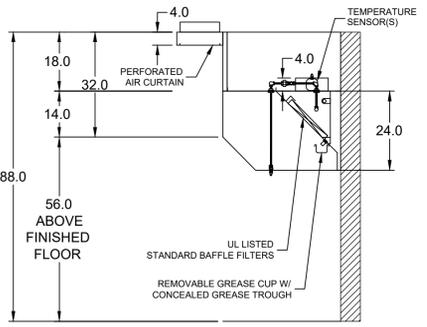
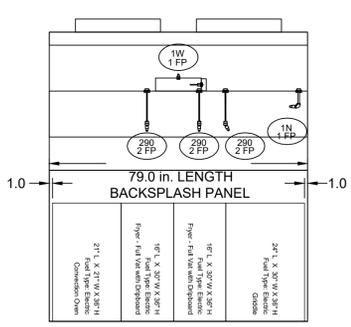
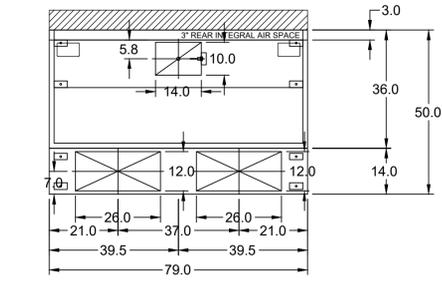
FIRE SYSTEM INFORMATION									
MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM		
			HOODS	PCU					
FS-1	ANSUL R-102 WET CHEMICAL	WALL CABINET - ON H-1 CROSSOVER	8 UTILIZED	22 AVAILABLE	CONTINUOUS	FUSIBLE LINK	H-1 CROSSOVER SECTION 1		

FIRE SYSTEM OPTIONS AND ACCESSORIES
 FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
 CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
 METAL BLOW-OFF CAPS - INCLUDED
 GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2", (ANSUL) - PART# ANSULMECHSHUTOFFVALVE200
 HOOD SUPPRESSION TANK - INCLUDED - 6 GAL. - [(2) 3.0 TANK(S)]
 REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS

HOOD OPTIONS
 UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
 BACK INTEGRAL AIR SPACE - 3 IN WIDE
 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED
 FACTORY MOUNTED EXHAUST COLLAR(S)
 WALL UTILITY CABINET 24 IN HIGH 36 IN LONG 12 IN WIDE
 HOOD FRONT IS TAPERED (FOR LOW CEILING APPLICATIONS)
 BACKSPLASH 46.00 IN HIGH 79.00 IN LONG
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



PROJECT 10/19/2023
 ACCUREX MIAMI - 2725
 AUSTIN WILSON
 AUSTIN.WILSON@ACCUREX.COM
 (305)542-5352
 MARK
 H-1 CROSSOVER + FS-1
 NAPLES PIER CONCESSION - NAPLES, FL
 ACCUREX



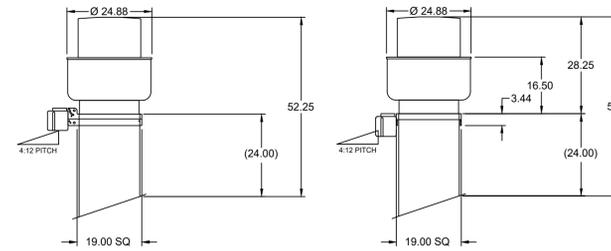
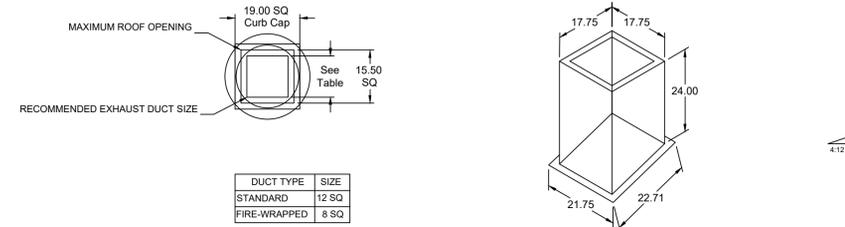
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-1	XCUE-120-VG	1,481	1.003	1,671	0.43	66	0.5	230/60/1	OP	1725	1	4.9

*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

KEF-1 : SELECTED OPTIONS AND ACCESSORIES

One piece fully welded windband
 Tapered bushing wheel hub
 Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)
 Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)
 Standard Curb Cap Size - 19 Square
 UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
 Switch, NEMA-3R, Toggle,
 High Wind Rated (+/-150 PSF Rating)
 Florida Product Approval #FL13225.1 & Miami-Dade NOA #22-0606.03
 Hinge, Factory Installed
 High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
 Grease Trap (PN 475538)
 Conduit Chase Qty 1



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.

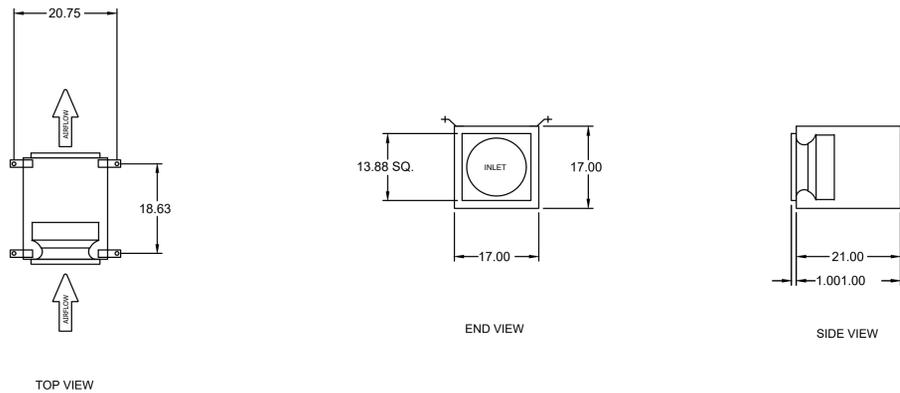
Direct Drive Centrifugal Inline Fan

MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KSF-1 Inline	XID-100-VG	1,185	0.32	1,584	0.19	58	0.25	230/60/1	TN	1725	1	2.9

*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

KSF-1 Inline : SELECTED OPTIONS AND ACCESSORIES

UL/cUL 705 Listed - "Power Ventilators"
 Junction Box Mounted and Wired
 Switch, NEMA-3R, Toggle, Shipped with Unit,
 Aluminum Wheel Material
 Fan: Neoprene Hanging Isolator PN: 855837, Incl. 4 isolators and 4 brackets
 Inlet/Outlet Companion Flange



PROJECT 10/19/2023
 MARK KEF-1

ACCUREX MIAMI - 2725
 AUSTIN WILSON
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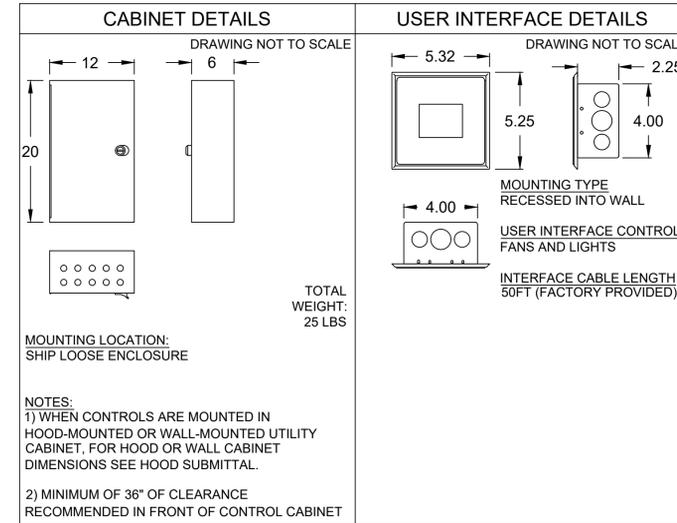
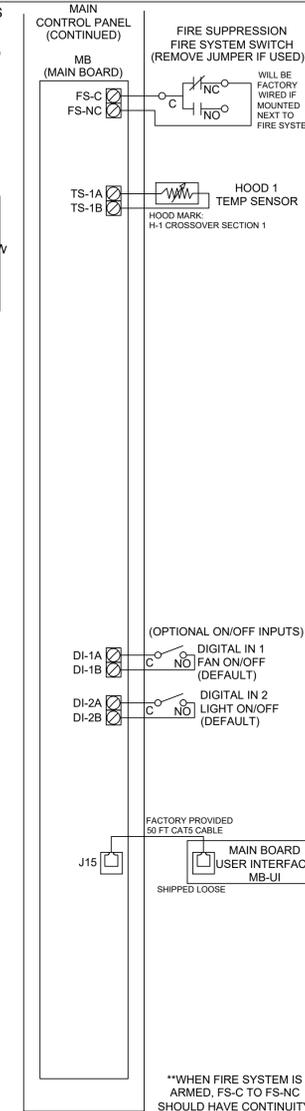
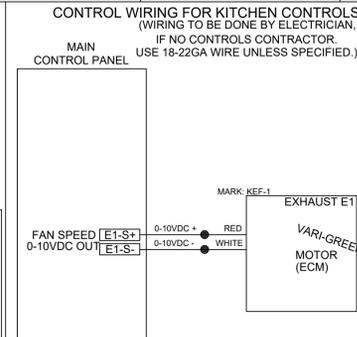
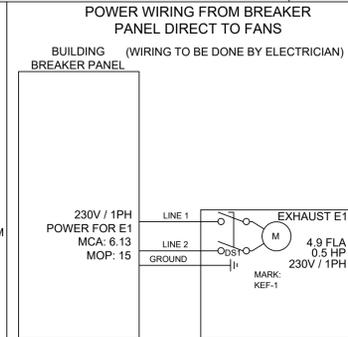
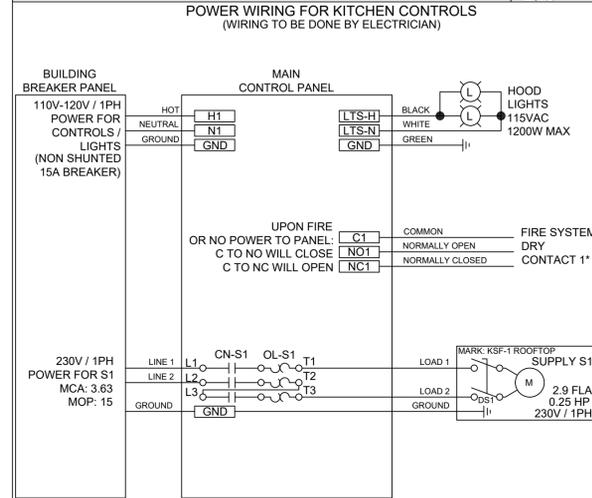
CONTROL INFORMATION

MARK	ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED											
	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CLEMOTOR	PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
CTRL-1	XKC-CV-S-11-1-1-0	SHIP LOOSE ENCLOSURE	FULL COLOR TOUCHSCREEN	SHIP LOOSE	1	SUPPLY	S1	KSF-1 ROOFTOP	1	1185	0.25	230	60	1	YES	NO
					2	EXHAUST	E1	KEF-1	1	1481	0.5	230	60	1	NO	NO

CONTROL FEATURES
 HOOD LIGHT CONTROL
 TEMP SENSORS (FACTORY INSTALLED) - QTY. 1
 DRY FIRE CONTACTS - QTY. 1
 LIGHTS OFF DURING FIRE
 EXHAUST MAX DURING FIRE
 SUPPLY OFF DURING FIRE



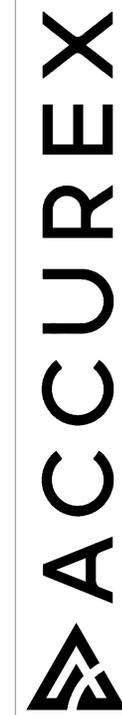
DOC NUMBER: ---- REV: ----
CAUTION
 UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.
ATTENTION
 L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.
 COMMERCIAL APPLIANCE OUTLET CENTER
 ELECTRICAL RATINGS: 110-240V, 1PHASE, 50-60HZ, 15A
 BASE FILE #E200616, M.L. FILE #E313951
 THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED. TORQUE CONTROL & GROUND NUTS TO 8 LBS. IN. TORQUE. POWER LUGS/SCREWS TO COMPONENT RATINGS LISTED. TORQUE CONTROL BOARD SCREW TERMINALS TO 3.5 LBS. IN. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL FACTORY AT 1-800-371-6858.
 PRG VERSION V4
 FIELD WIRED (CÂBLE LOCALÉMENT)
 FACTORY WIRED (CÂBLE À L'USINE)
 NE PAS RETIRER CES DESSINS DE CET ÉQUIPEMENT. SAUF INDICATION CONTRAIRE, UTILISER DES CONDUCTEURS EN CUIVRE CLASSÉS 90 °C. SERRER LES BORNES DE COMMANDE ET DE MISE À LA TERRE À 8 LBS-PO. SERRER LES COSSÉS/VIS D'ALIMENTATION AUX COUPLES INDICQUÉS POUR LE COMPOSANT. SERRER LES BORNES À VIS DE LA CARTE DE COMMANDE À 3,5 LBS-PO. LA RÉSISTANCE DU CÂBLAGE DE COMMANDE LOCAL NE DOIT PAS DÉPASSER 0,75 OHM. POUR PLUS D'INFORMATION, CONSULTEZ LE MANUEL OU APPELEZ 1-800-371-6858.
 WIRING DIAGRAM CODE: WDC#
 JOB NAME: NAPLES PIER CONCESSION - NAPLES, FL
 MODEL: XKC-CV-S-11-1-1-0
 SERIAL NUMBER: WDSN#
 MARK: CTRL-1



ZONE CONFIGURATION				WIRING DIAGRAM CODE: WDC#										
ZONE #	ZONE	ROOM TEMP		JOB NAME: NAPLES PIER CONCESSION - NAPLES, FL										
1	Z1	PRESET		MODEL: XKC-CV-S-11-1-1-0										
				SERIAL NUMBER: WDSN#										
				MARK: CTRL-1										
				DOC NUMBER: --- REV: ---										
				DEFAULT SETTINGS / PARAMÈTRES PAR DÉFAUT										
				FACTORY SETTINGS										
				TYPE: CV										
				CONFIGURATION: STANDARD										
				ZONES: 1										
				HOODS: 1										
				SLUPS: 0										
				EXHAUST FANS: 1										
				SUPPLY FANS: 1										
				MB ROOM SENSOR: NO										
				MB TEMP SENSORS: 1										
				HIGH TEMP FALLT: NO										
				FREEZE PROTECTION: YES										
				GAS RESET: NO										
				FAN PROVING: NO										
				BMS: NONE										
				ZONE SETTINGS										
				SEE ZONE CONFIGURATION IN TABLE ON LEFT										
				HOOD SETTINGS										
				SEE HOOD CONFIGURATION IN TABLE ON LEFT										
				EXHAUST FAN SETTINGS										
				SEE FAN CONFIGURATION IN TABLE ON LEFT										
				SUPPLY FAN SETTINGS										
				SEE FAN CONFIGURATION IN TABLE ON LEFT										
				SENSOR SETTINGS										
				SEE HOOD CONFIGURATION IN TABLE ON LEFT										
				USER INTERFACE SETTINGS (MB)										
				FAN & LIGHT BUTTONS: SHOW BOTH (SEPERATE)										
				USER INTERFACE SETTINGS (HCB)										
				NA										
				GENERAL SETTINGS										
				TIME ZONE: CENTRAL DAYLIGHT (DEFAULT)										
				FIRE/FAULT SETTINGS										
				EXHAUST DURING FIRE: MAX										
				SUPPLY DURING FIRE: OFF										
				LIGHTS DURING FIRE: OFF										
				BMS SETTINGS										
				NA										
				PRG VERSION: V4										
FAN CONFIGURATION														
FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MM	DBUS	VFD	ADDRESS	FREQ. MAX	FREQ. MIN	VDC	MAX VDC
1	SUPPLY	S1	KSF-1 ROOFTOP	Z1	-	1185			NO	-	-	-	-	10.0
2	EXHAUST	E1	KEF-1	Z1	-	1481			NO	-	-	-	-	10.0

PROJECT: NAPLES PIER CONCESSION - NAPLES, FL
 10/19/2023
 MARK: CTRL-1

ACCUREX MIAMI - 2725
 AUSTIN WILSON
 AUSTIN.WILSON@ACCUREX.COM
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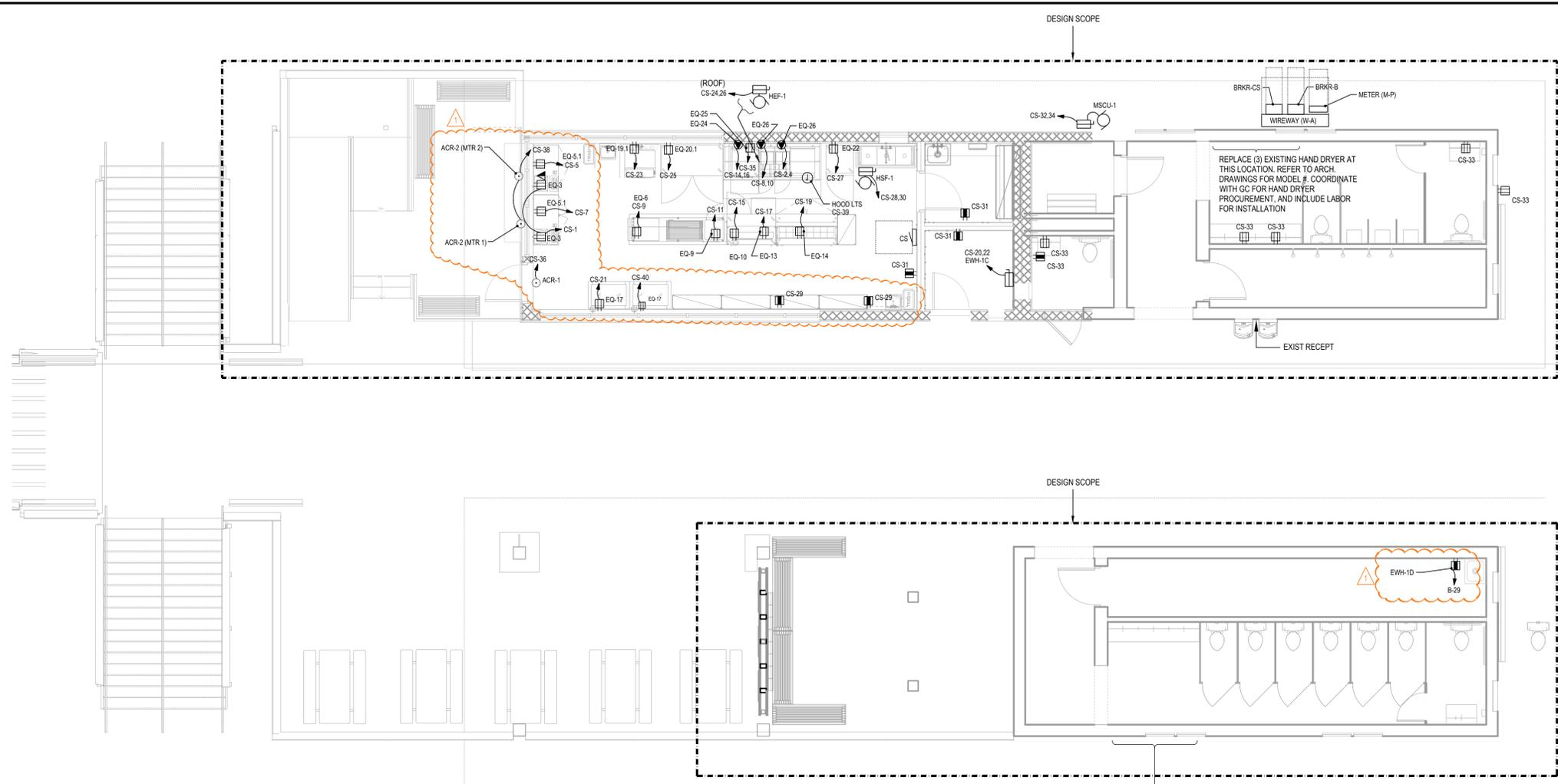


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BID DRAWINGS	1/24/2024
BID DRAWINGS	02/26/2024
PERMIT	03/04/2024
BLDG DEPT. COMMENTS	04/29/24 & 5/13/24

PHASE 95%
 PR NO 23118

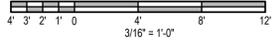


ELECTRICAL NOTES - FOOD PREP AREAS & GENERAL NOTES

- RECEPTACLES LOCATED IN FOOD / BEVERAGE PREPARATION AREAS SHALL BE GFCI PROTECTED IN ACCORDANCE WITH NEC, ARTICLE 210.
 - ALL SINGLE PHASE RECEPTACLES RATED 50A OR LESS NOT EXCEEDING 150V TO GROUND SHALL BE GFCI PROTECTED.
 - THREE PHASE RECEPTACLES RATED 100A OR LESS NOT EXCEEDING 150V TO GROUND SHALL BE GFCI PROTECTED.
 - ALL GFCI PROTECTION DEVICES SHALL BE READILY ACCESSIBLE AND LOCATED WITHIN RESPECTIVE ELECTRIC PANEL.
- ALL DISCONNECTS SERVING EQUIPMENT OR APPLIANCES SHALL BE PROVIDED WITH THE RESPECTIVE CLEARANCES IN ACCORDANCE WITH NEC 110.26. DISCONNECTS ON DRAWINGS ARE DIAGRAMMATIC AND CLEARANCES DICTATE EXACT PLACEMENT.
- EMERGENCY & EXIT LIGHTING SHALL BE FED FROM THE NEAREST LIGHTING CIRCUIT. PROVIDE ADDITIONAL CONDUCTOR TO FEED EMERGENCY LIGHTING IN AREAS, INDEPENDENT OF ANY LIGHTING CONTROL. BRANCH CIRCUITS SERVING EMERGENCY LIGHTING SHALL BE LABELED WITHIN THE BRANCH CIRCUIT DIRECTORY.
- SOME DATA LOCATIONS HAVE BEEN INDICATED ON THESE DRAWINGS HOWEVER NOT ALL LOW VOLTAGE INFORMATION HAS BEEN PROVIDED. CONTRACTOR TO COORDINATE WITH OWNER FOR INFORMATION TO ENSURE ALL LOCATIONS AND QUANTITY OF WIRES IS PROVIDED TO PROVIDE A COMPLETE OPERATIONAL LOW VOLTAGE SYSTEM SUITABLE FOR OWNER. CONTRACTOR TO PROVIDE SEPARATE LOW VOLTAGE PERMIT. COORDINATE WITH OWNER & GC PRIOR TO CONSTRUCTION.
- ALL POWER UNDER HOOD SHALL BE SHUNT TRIPPED WHEN ANSUL SYSTEM IS ACTIVATED. REFER TO HOOD SHOP DRAWINGS.
- ALL EXTERIOR RECEPTACLES TO BE WP,WR/GFCI PROTECTED, AND PROVIDED WITH IN-USE COVER.
- KITCHEN EQUIPMENT POWER CONNECTIONS SHALL BE VERIFIED WITH OWNER, KITCHEN CONSULTANT. EQUIPMENT CUTSHEETS DURING CONSTRUCTION AS INFORMATION BECOMES AVAILABLE. MOUNTING HEIGHT FOR DEVICES SERVING KITCHEN EQUIPMENT SHALL BE VERIFIED. KITCHEN EQUIPMENT DRAWINGS ARE PROVIDED BY OTHERS, AND SUBJECT TOP CHANGE.

1 ELECTRICAL POWER FLOOR PLAN

SCALE: 3/16" = 1'-0"



REPLACE (3) EXISTING HAND DRYER AT THIS LOCATION. REFER TO ARCH. DRAWINGS FOR MODEL #. COORDINATE WITH GC FOR HAND DRYER PROCUREMENT, AND INCLUDE LABOR FOR INSTALLATION

KITCHEN EQUIPMENT EQUIPMENT SCHEDULE

CALLOUT	PANEL DESCRIPTION	SYMBOL	VOLTS AND PHASE	BREAKER	CIRCUIT	KVA	AMPS	NOTE 1
EQ-3	EQ-3 POS		120V 1-PH 2W	201	CS-1	0.1	0.63	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-3	EQ-3 POS		120V 1-PH 2W	201	CS-1	0.1	0.63	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-5.1	EQ-5.1 BACK BAR CABINET		120V 1-PH 2W	201	CS-5	0.25	2.1	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-5.1	EQ-5.1 BACK BAR CABINET		120V 1-PH 2W	201	CS-7	0.25	2.1	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-6	EQ-6 BACK BAR CABINET		120V 1-PH 2W	201	CS-9	0.36	3	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-6	EQ-6 HOT DOG GRILL		120V 1-PH 2W	201	CS-13	1.3	10.8	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-9	EQ-9 DISPLAY CASE, REF		120V 1-PH 2W	201	CS-11	0.36	3	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-10	EQ-10 UC REFRIGERATOR		120V 1-PH 2W	201	CS-15	0.36	3	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-13	EQ-13 HEAT LAMP		120V 1-PH 2W	201	CS-17	1	8.33	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-14	EQ-14 SANDWICH REFRIG		120V 1-PH 2W	201	CS-19	0.78	6.5	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-17	EQ-17 CHEST FREEZER		120V 1-PH 2W	201	CS-21	0.19	1.6	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-17	EQ-17 CHEST FREEZER		120V 1-PH 2W	201	CS-40	0.19	1.6	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-19.1	EQ-19.1 ICE MAKER		120V 1-PH 2W	201	CS-23	1.2	10	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-20.1	EQ-20.1 UNDER COUNT. REFRIG		120V 1-PH 2W	201	CS-25	0.48	4	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-22	EQ-22 REACH-IN FREEZER		120V 1-PH 2W	201	CS-27	0.44	3.7	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-24	EQ-24 PIZZA BAKE OVEN		240/120V 1-PH 3W	202	CS-14,16	4.15	17.3	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-25	EQ-25 UC REFRIGERATOR		120V 1-PH 2W	201	CS-35	0.24	2	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-26	EQ-26 ELECTRIC FRYER		240/120V 1-PH 3W	602	CS-8,10	14	58.33	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
EQ-26	EQ-26 ELECTRIC FRYER		240/120V 1-PH 3W	602	CS-2,4	14	58.33	REFER TO KITCHEN VENDOR DRAWINGS FOR DETAILS
HEF-1	HEF-1		240V 1-PH 2W	202	CS-24,26	2.4	10	
HSF-1	HSF-1		240V 1-PH 2W	202	CS-28,30	2.4	10	
MSCU-1	MSCU-1 & MSA1.1,2,3		240V 1-PH 2W	252	CS-32,34	4.2	17.5	

VERIFY ALL INFORMATION ON SCHEDULE WITH EQUIPMENT CUTSHEETS, KITCHEN CONSULTANT DRAWINGS, NAMEPLATE DATA IN FIELD, INCLUDING LOADING, VOLTAGE, AND NEMA RECEPTACLE TYPE CONFIGURATION.

ItemNo	Quantity	Unit	Category	Mfr	Model	StockModel	Voltage	Phase	Amps	Cycle	Hp	Kw	ConnectionType	NEMA
1	2	ea	Hand Sink	Kroone	HS-26L									
2	2	ea	Hand Sink	Kroone	H-100									
3	2	ea	POS System	Custom	EPN-100-X									
4	1	ea	Chest Freezer	Abasa USA, Inc.	MMF9113		115	1	1.6	60			Cord & Plug	5-15P
5.1	2	ea	Back Bar Cabinet, Refrigerated	True Mfg. - General Foodservice	TBB-24-48G-HC-LD		115	1	2.1	60	1/5		Cord & Plug	5-15P
6	1	ea	Soda Ice & Beverage Dispenser	Cornelius	621053405		115	1	3.0	60				
7	1	ea	Work Table, Stainless Steel Top	Advance Tabco	E400397		115	1	6.5	60	1/3			
8	1	ea	Hot Dog Grill	APW Wyott	HR-50		120	1	10.8	60		1.32	Cord & Plug	5-15P
9	1	ea	Display Case, Hot Food, Countertop	Hako	FDWD-1135-QS		120	1	11.6	60		1.39	Cord & Plug	5-15P
10	1	ea	Undercounter Refrigerator	True Mfg. - General Foodservice	TUC-48D-2-HC		115	1	3	60	1/5		Cord & Plug	5-15P
11	1	ea	Overshelf	John Boos	CS-ED-1848-X									
12	1	ea	Heat Lamp	Hako	GRAH-42-120-T-QS		120	1				95		
14	1	ea	Sandwich / Salad Preparation Refrigerator	True Mfg. - General Foodservice	TSSU-60-16-HC		115	1	6.5	60	1/3		Cord & Plug	5-15P
15	1	ea	Overshelf	John Boos	CS-ED-1860-X									
16	1	ea	Chest Freezer	Abasa USA, Inc.	MMF9110		115	1	1.6	60			Cord & Plug	5-15P
18	1	ea	Ice Maker with Bin, Cube-Style	Mantowoc	UDF0310A		115	1	10	60	3/4		Cord & Plug	5-15P
19.1	1	ea	Undercounter Refrigerator	True Mfg. - General Foodservice	TUC-60-HC		115	1	4	60	1/4		Cord & Plug	5-15P
22	1	ea	Reach-In Freezer	True Mfg. - General Foodservice	TS-23F-HC		115	1	3.7	60	1/2		Cord & Plug	5-15P
23	1	ea	Pizza Bake Oven, Countertop, Electric	Accorex			208	1	34.6	60			Cord & Plug	6-50P
24	1	ea	Undercounter Refrigerator	True Mfg. - General Foodservice	TUC-27D-2-HC		115	1	2	60	1/6		Cord & Plug	5-15P
26	2	ea	Electric Floor Fryer	Imperial	IFS-40-E		208	1	68	60		14.0		
27	1	ea	Griddle, Electric, Countertop	Imperial	ITG-24-E		208	3	29.0	60		8.0		
28	2	ea	Wire Drawing	John Boos	EPS-1830-G-X									
29	1	ea	Spare Number											
30	1	ea	Spare Number											
31	1	ea	Three (3) Compartment Sink	John Boos	SB184-X									
32	1	ea	Sink	John Boos	SB184-X									
33	1	ea	Sink	John Boos	SB184-X									
34	1	ea	Map Sink	Kroone	MS-2424									
35	1	ea	Booster Heater, Tankless, Electric	Hubbell	HT9311-695S		208	1	160	60		31		
34	5	ea	Wire Shaving	John Boos	EPS-2472-G-X									



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MICHAEL P. STEWART | LICENSED PROFESSIONAL ENGINEER
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BID DRAWINGS	1/24/2024
BID DRAWINGS	02/26/2024
PERMIT	03/04/2024
BLDG DEPT. COMMENTS	04/29/24 & 5/13/24



PHASE 95%
PR NO 23118

E2

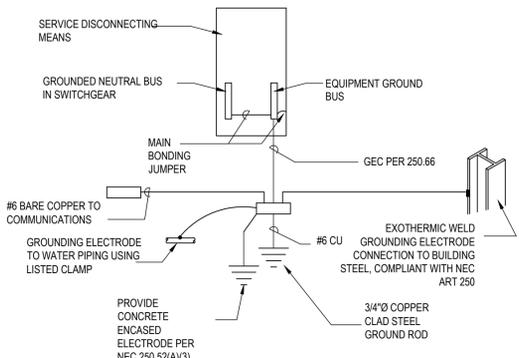
MOUNTING: SURFACE FED FROM: BRKR-CS		PANEL: CS				FUSED AT: 400 AIC RATING: 22,000 MAIN BKR: 400 LUGS: STANDARD					
		VOLTS: 240/120V 1-PH 3W									
		BUS AMPS: 400									
CTKT #	CTKT BKR	WIRE SIZE	EG SIZE	LOAD KVA	CIRCUIT DESCRIPTION	Φ	CIRCUIT DESCRIPTION	LOAD KVA	EG SIZE	WIRE SIZE	CTKT #
1	20/1	#12	#12	0.2	EQ-3: POS(GFCI CB)	A	EQ-26: ELECTRIC FRYER	14	#10	#6	60/2
3	-/1	0	0	0	(GFCI CB)	B	(GFCI CB)	0			4
5	20/1	#12	#12	0.252	EQ-5.1: BACK BAR CABINET(GFCI CB)	A	(SHUNT TRIP SPACE)	0			-/1
7	20/1	#12	#12	0.252	EQ-5.1: BACK BAR CABINET(GFCI CB)	B	EQ-26: ELECTRIC FRYER	14	#10	#6	60/2
9	20/1	#12	#12	0.36	EQ-6: BACK BAR CABINET(GFCI CB)	A	(GFCI CB)	0			10
11	20/1	#12	#12	0.36	EQ-6: BACK BAR CABINET(GFCI CB)	B	(SHUNT TRIP SPACE)	0			-/1
13	20/1	#12	#12	1.3	EQ-9: DISPLAY CASE, REF(GFCI CB)	A	EQ-24: PIZZA BAKE OVEN	4.15	#12	#12	20/2
15	20/1	#12	#12	0.36	EQ-9: DISPLAY CASE, REF(GFCI CB)	B	(GFCI CB)	0			16
17	20/1	#12	#12	1	EQ-10: UC REFRIGERATOR(GFCI CB)	A	(SHUNT TRIP SPACE)	0			-/1
19	20/1	#12	#12	0.78	EQ-13: HEAT LAMP(GFCI CB)	A	EQ-14: SANDWHICH REFRIG(GFCI CB)	12.3	#10	#6	60/2
21	20/1	#12	#12	0.192	EQ-17: CHEST FREEZER(GFCI CB)	A	EW-H-1C	0			22
23	20/1	#12	#12	1.2	EQ-19.1: ICE MAKER(GFCI CB)	B	HEF-1	2.4	#12	#12	20/2
25	20/1	#12	#12	0.48	EQ-20.1: UNDER COUNT. REFRIG(GFCI CB)	A		0			26
27	20/1	#12	#12	0.444	EQ-22: REACH-IN FREEZER(GFCI CB)	B	HSF-1	2.4	#12	#12	20/2
29	20/1	#12	#12	0.36	RECEPTS: CONV. KITCH (GFCI CB)	A		0			30
31	20/1	#12	#12	0.54	RECEPTS: CONV. KITCH (GFCI CB)	B	MSCU-1 & MSA1.1,2,3	4.2	#10	#10	25/2
33	20/1	#12	#12	1.08	RECEPTS: EXTERIOR & RR (GFCI CB)	A		0			34
35	20/1	#12	#12	0.24	EQ-25: UC REFRIGERATOR(GFCI CB)	B		0.696	#12	#12	20/1
37	20/1	#12	#12	0.448	LIGHTS/EMERG; CONCESSION	A	ACR-2 (MTR 1), ACR-2 (MTR 2)	1.39	#12	#12	20/1
39	20/1	#12	#12	0.4	HOOD LTS	B	EQ-17: CHEST FREEZER	0.192	#12	#12	20/1
41	100/2	#3	#8	6	SPARE (FUTURE PANEL 1)	A		0			-/1
43	-/1	0	0	0		B		0			44
45	-/1	0	0	0		A		0			-/1
47	-/1	0	0	0		B		0			-/1
49	-/1	0	0	0		A		0			-/1
51	-/1	0	0	0		B	SPD (SURGE SUPPRESSION)	0			30/2
53	-/1	0	0	0		A		0			54

CALLOUT	QUANTITY	MANUFACTURER	MODEL NO.	KA / PHASE
SPDP	1	PQ PROTECTION	PQC100	100 KA

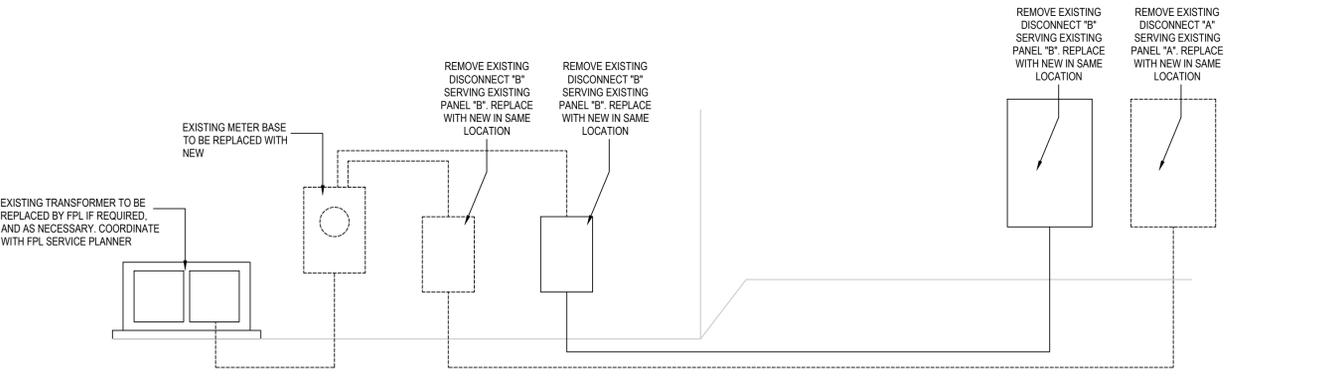
MOUNTING: FLUSH FED FROM: BRKR-B		PANEL: B				FUSED AT: 125 AIC RATING: 10,000 MAIN BKR: MLO LUGS: STANDARD					
		VOLTS: 240/120V 1-PH 3W									
		BUS AMPS: 125									
CTKT #	CTKT BKR	WIRE SIZE	EG SIZE	LOAD KVA	CIRCUIT DESCRIPTION	Φ	CIRCUIT DESCRIPTION	LOAD KVA	EG SIZE	WIRE SIZE	CTKT #
1	20/1	#12	#12	1	WOMENS HAND DRYER (EXIST)	A	MENS HAND DRYER (EXIST)	1	#12	#12	20/1
3	20/1	#12	#12	1	WOMENS HAND DRYER (EXIST)	B	MENS HAND DRYER (EXIST)	1	#12	#12	20/1
5	20/1	#12	#12	1	WOMENS HAND DRYER (EXIST)	A	MENS HAND DRYER (EXIST)	1	#12	#12	20/1
7	20/1	#12	#12	1	WOMENS HAND DRYER (EXIST)	B	MENS HAND DRYER (EXIST)	1	#12	#12	20/1
9	20/1	#12	#12	1	WOMENS HAND DRYER (EXIST)	A	MENS HAND DRYER (EXIST)	1	#12	#12	20/1
11	20/1	#12	#12	1	WOMENS HAND DRYER (EXIST)	B	MENS HAND DRYER (EXIST)	1	#12	#12	20/1
13	20/1	#12	#12	1	STREET LTG (EXIST)	A	WATER COOLER (EXIST)	1	#12	#12	20/1
15	20/1	#12	#12	1	RECEPTS: UTILITY RM (EXIST)	B	LIGHTS/EMERG; MENS RM (EXIST)	0.65	#12	#12	20/1
17	20/1	#12	#12	0.72	VISITOR COUNTER (EXIST)	A	SECURITY SYSTEM (EXIST)	1.08	#12	#12	20/1
19	20/1	#12	#12	0.18	LIGHTS/EMERG; SEATING (EXIST)	B	SPARE (EXIST)	0			-/1
21	-/1	0	0	0	SPARE (EXIST)	A	SPARE (EXIST)	0			-/1
23	-/1	0	0	0	SPARE (EXIST)	B	SPARE (EXIST)	0			-/1
25	-/2	0	0	0	EXIST CB	A	SPD (SURGE SUPPRESSION)	0			30/2
27	-/1	0	0	0		B	(EXIST)	0			28
29	20/1	#12	#12	1.3	EW-H-1D	A		0			-/1

EQUIPMENT CONNECTION SCHEDULE							
CALLOUT	PANEL DESCRIPTION	SYMBOL	VOLTS AND PHASE	BREAKER	CIRCUIT	KVA	AMPS
ACR-1		⊙	120V 1-PH 2W	20/1	CS-36	0.7	5.8
ACR-2 (MTR 1)	ACR-2 (MTR 1)	⊙	120V 1-PH 2W	20/1	CS-38	0.7	5.8
ACR-2 (MTR 2)	ACR-2 (MTR 2)	⊙	120V 1-PH 2W	20/1	CS-38	0.7	5.8
EW-H-1C	EW-H-1C	⊞	240Y 1-PH 2W	60/2	CS-20,22	12.3	51.25
EW-H-1D	EW-H-1D	⊞	120V 1-PH 2W	20/1	B-29	1.3	10.83

VERIFY ALL INFORMATION ON SCHEDULE WITH HVAC CONTRACTOR AND NAMEPLATE DATA. MOCIP SUBJECT TO CHANGE.



SERVICE GROUNDING DETAIL
SEE GROUNDING SPECIFICATIONS ON SHEET E1



1 EXISTING / DEMO POWER RISER DIAGRAM
SCALE: NTS

MOUNTING: SURFACE FED FROM: METER (M-P)		PANEL: W-A				FUSED AT: 125 AIC RATING: 10,000 MAIN BKR: MLO LUGS: STANDARD	
		VOLTS: 240/120V 2P 3W					
		BUS AMPS: 125					
CTKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA	EG SIZE	WIRE SIZE	CTKT #	
1	125/2	BREAKER BRKR-B	10.8	7.78	1-1/4"C,2#1,#1N,#6G	1	
2	400/2	BREAKER BRKR-CS	36.8	35.2	(2)2"C,2#3/0,#3/0N,#3G	2	
3	-/2	-	0	0	-	3	

CALLOUT	QUANTITY	MANUFACTURER	MODEL NO.	KA / PHASE
SPDP	1	PQ PROTECTION	PQC100	100 KA

FEEDER SCHEDULE							
ID	FEEDER AMPS	CONDUIT AND FEEDER					
125/2	125	1-1/4"C,2#1,#1N,#6G					
125/2C	125	1-1/2"C,2#1,#1N,#6G					
400/2	400	(2)2"C,2#3/0,#3/0N,#3G					
600/2A	600	(2)3"C,2#350kcmil,#350kcmil N,#110G					
600/2C	600	(2)3"C,2#350kcmil,#350kcmil N					

SIZING METHOD: NEC 310.15

VOLTAGE DROP SCHEDULE				
DEVICE	FEEDER			TOTAL VOLTAGE DROP
	VOLTAGE DROP	WIRE SIZE	LENGTH	
UT-1	0%		-	0%
METER (M-P)	0.51%	(2)#350kcmil	67'	0.51%
WIREWAY (W-A)	0.63%	(2)#350kcmil	15'	0.63%
BRKR-B	0.74%	#1	13'	0.74%
B	1.12%	#1	47'	1.79%
BRKR-CS	0.73%	(2)#3/0	11'	0.73%
CS	1.18%	(2)#3/0	51'	2.86%

FEEDER LENGTHS INDICATED WITHIN VOLTAGE DROP SCHEDULE ARE REFERENCE ONLY AND SHALL NOT BE USED FOR BIDDING PURPOSES.

FAULT CURRENT SCHEDULE				
DEVICE	FAULT	AIC RATING	L-L VOLTS	L-N VOLTS
UT-1	18,039	22,000	240V	120V
METER (M-P)	14,572	22,000	240V	120V
WIREWAY (W-A)	13,850	22,000	240V	120V
BRKR-B	12,306	22,000	240V	120V
B	8,125	10,000	240V	120V
BRKR-CS	13,197	22,000	240V	120V
CS	10,632	22,000	240V	120V

FEEDER LENGTHS INDICATED WITHIN FAULT CURRENT SCHEDULE ARE FOR REFERENCE ONLY AND SHALL NOT BE USED FOR BIDDING PURPOSES.

THE SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT IN WHICH IT IS INSTALLED PER SECTION 110.2(A)

GENERAL ELECTRICAL NOTES

1. CONTRACTOR SHALL PROVIDE CATALOG CUT SHEET SUBMITTALS FOR ALL EQUIPMENT AND MATERIALS UNDER CONTRACTORS SCOPE OF SUPPLY. OWNER APPROVAL IS REQUIRED PRIOR TO PROCUREMENT.
 2. ALL ELECTRICAL MATERIAL AND EQUIPMENT SHALL BE NEW AND SHALL BE UL LISTED AND SHALL BEAR THE UL LABEL.
 3. ALL WORK SHALL COMPLY WITH THE OF THE NEC (NFPA 70)
 4. CONDUIT ROUTING SHOWN ON THE DRAWINGS IS SCHEMATIC. CONTRACTOR TO COORDINATE INSTALLATION WITH OTHER TRADES.
 5. CONTRACTOR SHALL FURNISH AND INSTALL NEW TYPEWRITTEN PANEL SCHEDULES FOR ALL POWER PANELS AND PANELBOARDS AFFECTED BY THIS PROJECT.
 6. CONTRACTOR SHALL FURNISH AND INSTALL BLACK PHENOLIC NAMEPLATES ETCHED TO REVEAL 1/4" WHITE LETTERS FOR ALL ELECTRICAL EQUIPMENT INSTALLED IN ELECTRIC ROOMS OR COMMON AREA. LOCAL DISCONNECT SHALL BE LABELED WITH EQUIPMENT NUMBER OF THE EQUIPMENT FED, AND SHALL INDICATE SOURCE OF SUPPLY.
- INSERT ACTUAL EQUIPMENT NO.

**"EQUIPMENT NO. "
FED FROM
"PANEL NO. "**

INSERT SOURCE PANEL NO.

CALCULATED AIC & DATE
8. LIGHT SWITCHES SHALL BE MOUNTED AT 48" AFF.
 9. PROVIDE UL LISTED THROUGH PENETRATION FIRESTOP SYSTEM FOR FIRE RATED WALL PENETRATIONS.
 10. CONTRACTOR SHALL PROVIDE GALVANIZED STEEL, OR EQUAL, SUPPORT BRACKETS AS REQUIRED FOR ALL DISCONNECTS SWITCHES, PANELS, ETC.
 11. CONTRACTOR SHALL COORDINATE LOCATION OF INDUSTRIAL LIGHT FIXTURES IN MECHANICAL SPACES TO AVOID MECHANICAL EQUIPMENT AND DUCTWORK.

THE DRAWING AND DESIGN WITHIN THIS HARD COPY OR DIGITAL FILE IS THE PROPERTY AND CREATION OF MOAK ARCHITECTURE AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESSED WRITTEN CONSENT OF MOAK ARCHITECTURE.
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1/24/2024	02/26/2024	03/04/2024	04/29/24 & 5/13/24
BID DRAWINGS	BID DRAWINGS	PERMIT	BLDG DEPT. COMMENTS



PHASE 95%
PR NO 23118

E5

GENERAL STRUCTURAL NOTES

GENERAL: DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE, EXCEPT AS OTHERWISE INDICATED. ADAPT REQUIREMENTS OF DETAILS, SECTIONS, PLANS, AND NOTES AT LOCATIONS WHERE CONDITIONS ARE SIMILAR.

CENTER ALL FOOTINGS AND PIERS UNDER COLUMNS ABOVE UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION FOR BUILDING FOUNDATIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN FOUNDATIONS AND BURIED UTILITIES.

CODE REQUIREMENTS: THE BUILDING STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2023 8th EDITION OF THE FLORIDA BUILDING CODE. FOLLOW ALL APPLICABLE PROVISIONS FOR ALL PHASES OF CONSTRUCTION. ADDITIONS ARE IN COMPLIANCE WITH THE 2023 EDITION OF THE FLORIDA EXISTING BUILDING CODE.

EXISTING CONDITIONS: ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

DESIGN CRITERIA: DESIGN WAS BASED ON STRENGTH AND DEFLECTION CRITERIA OF THE 2020 FLORIDA BUILDING CODE. THE FOLLOWING LOADS WERE USED FOR DESIGN, WITH LIVE LOADS REDUCED PER THE 2023 FBC.

SUPERIMPOSED DEAD LOADS:
 ROOF 20 PSF 300 POUND CONCENTRATED
 INCLUDES 5 PSF AND A 250 LB POINT LOAD FOR SPRINKLER PIPING.

ROOF LIVE LOAD: 20 PSF

RAIN LOAD:
 RAIN 30 PSF
 RAINFALL INTENSITY 5.0 IN/HR

WIND SPEED (ASCE 7-22) 170 MPH (132 MPH ALLOWABLE)
RISK CATEGORY II
EXPOSURE D
INTERNAL PRESSURE COEFF 0.0 OPEN BUILDING
INTERNAL PRESSURE COEFF +/- 0.55 PARTIALLY ENCLOSED
INTERNAL PRESSURE COEFF +/- 0.18 ENCLOSED
WALL PRESSURE +/- 60 PSF

OPENINGS LOCATED WITHIN 30FT OF GRADE SHALL BE PROTECTED FROM WIND BORNE DEBRIS PER MISSILE LEVEL D OF ASTM E1996.

SUBMITTALS: SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS INCLUDING THE FOLLOWING:

CONCRETE MIX DESIGNS,
 CONCRETE AND MASONRY REINFORCING,
 EMBEDDED STEEL ITEMS.

SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT LOCATION. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER.

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW.

CONCRETE: REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO THE FBC AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS:

f_c 4000 PSI
USE ALL USES

CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. FLY ASH CONFORMING TO ASTM C618, TYPE F OR TYPE C, MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA. COARSE AGGREGATE SHALL CONFORM TO ASTM C33 WITH A MAXIMUM SIZE OF 3/4". FINE AGGREGATE SHALL BE CLEAN, DURABLE, NATURAL SAND CONFORMING TO ASTM C33.

A WATER-REDUCING ADMIXTURE, IF USED, SHALL CONFORM TO ASTM C494 AND USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SHALL BE INCORPORATED IN CONCRETE DESIGN MIXES. A HIGH-RANGE WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, TYPE F OR G, MAY BE USED IN CONCRETE MIXES, PROVIDING THAT THE SLUMP DOES NOT EXCEED 8".

SLEEVES, OPENINGS, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE POURING. NO SLEEVE, OPENING, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMNS UNLESS APPROVED BY THE ENGINEER. CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER.

PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES, UNLESS NOTED OTHERWISE. WHERE INDICATED OR REQUIRED, SLOPE CONCRETE SLABS TO DRAINS SHOWN ON PLUMBING AND/OR ARCHITECTURAL DRAWINGS.

ALL CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS.

REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, FOR DEFORMED BAR AND ASTM A1064 FOR SMOOTH WELDED WIRE FABRIC (WWF), UNLESS OTHERWISE NOTED. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.

ALL DETAILING AND ACCESSORIES SHALL CONFORM TO ACI DETAILING MANUAL SP-66. PROVIDE CHAIRS, SPACERS, BOLSTERS, AND ITEMS IN CONTACT WITH FORMS WITH HOT-DIP GALVANIZED LEGS OR PLASTIC LEGS. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT BY FORMWORK CONSTRUCTION OR CONCRETE PLACEMENT OPERATIONS. "WET-STICKING" OF REINFORCING IS PROHIBITED.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE):

BEAMS 1-1/2" TO STIRRUPS

LAP SPlice CONTINUOUS VERTICAL OR HORIZONTAL BARS IN CONCRETE MEMBERS IN ACCORDANCE WITH ACI 318-19. FOR CLASS "B" TENSION LAP SPLICES, DO NOT SPLICE CONTINUOUS TOP BARS IN BEAMS AT ENDS OF CLEAR SPANS. DO NOT SPLICE CONTINUOUS BOTTOM BARS IN BEAMS IN CLEAR SPANS BETWEEN SUPPORTS. SHOW ALL SPLICES ON SHOP DRAWINGS. SPLICE LOCATIONS AND METHODS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER.

AT SLAB RE-ENTRANT CORNERS, PROVIDE (2) #5 X 4'-0" DIAGONAL BARS. AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF (2) #5 BARS ALL FOUR SIDES AND DIAGONALLY; EXTEND THESE BARS A LAP DISTANCE OR A MINIMUM OF 24" PAST THE OPENING OR HOOK BARS IF DISCONTINUOUS.

DOWEL ALL WALLS AND COLUMNS TO FOOTINGS WITH BAR SIZE AND SPACING TO MATCH VERTICAL REINFORCING UNLESS OTHERWISE SHOWN.

MASONRY WALLS: MASONRY UNITS SHALL MEET ASTM C90, TYPE 2. ASSEMBLIES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1"m= 2,000 PSI. MORTAR SHALL BE TYPE "M" OR "S" AND MEET ASTM C270. GROUT SHALL MEET ASTM C476. GROUT STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY TESTS PER ASTM C1019. GROUT SHALL CONSIST OF A MIXTURE OF CEMENTITIOUS MATERIALS AND AGGREGATE TO WHICH SUFFICIENT WATER HAS BEEN ADDED TO CAUSE THE MIXTURE TO FLOW WITHOUT SEGREGATION OF THE CONSTITUENTS. ALL CELLS CONTAINING VERTICAL BARS, BOND BEAMS, AND ALL CELLS BELOW GRADE SHALL BE FILLED WITH GROUT. MAXIMUM HEIGHT OF GROUT POUR ALLOWED IS 4'-0" UNLESS CLEAN-OUT OPENING IS PROVIDED AT BOTTOM OF CELLS TO BE FILLED. LOCATE CLEAN-OUT OPENINGS IN AREAS NOT EXPOSED TO VIEW.

UNLESS NOTED OTHERWISE EIGHT INCH MASONRY WALLS SHALL BE PARTIALLY REINFORCED MASONRY WALL CONSTRUCTION WITH #5 AT 48 INCH O.C. IN GROUT FILLED CELLS. ADD (1) #5 REINFORCING BAR EACH SIDE OF OPENINGS EXCEEDING 3 FEET.

PROVIDE REINFORCING BARS AT CORNERS, INTERSECTIONS, AND EACH SIDE OF OPENINGS. PROVIDE (2) REINFORCING BARS EACH SIDE OF OPENINGS OVER 4 FEET WIDE, AND AS SHOWN ON THE PLANS. PROVIDE HOOKED DOWELS INTO FOOTINGS AND STRUCTURE ABOVE AND/OR BELOW TO PROVIDE CONTINUITY. PROVIDE 9 GAGE GALVANIZED HORIZONTAL JOINT REINFORCING (DUR-O-WAL OR ENGINEER-APPROVED EQUAL) AT 16" O.C. REINFORCING LAPS TO BE 48 BAR DIAMETERS.

DO NOT PLACE CONDUITS, PIPES, ETC. IN CELLS WITH VERTICAL REINFORCING. DO NOT RUN CONDUITS, PIPES, ETC. HORIZONTALLY IN CMU WALLS PARALLEL TO LENGTH OF WALL. WHERE MASONRY WALLS ABUT CONCRETE COLUMNS TO BE PLACED PRIOR TO ERECTION OF MASONRY WALLS, PROVIDE DOVETAIL SLOTS BETWEEN COLUMN AND WALLS AND GROUT THE CMU CELL CONTAINING THE DOVETAIL ANCHORS. OTHERWISE, EXTEND CMU HORIZONTAL JOINT REINFORCING THROUGH CONCRETE COLUMN.

CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE MASONRY CONSTRUCTION AT A SPACING NOT TO EXCEED THREE TIMES WALL HEIGHT OR 30'-0" MAXIMUM. COORDINATE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS. HORIZONTAL WALL REINFORCING SHALL BE STOPPED EACH SIDE OF CONTROL JOINTS. SEE ARCHITECTURAL DRAWINGS FOR SEALANT REQUIREMENTS AT CONTROL JOINTS.

USE METAL LATH OR WIRE SCREEN FOR CAVITY CAPS. SHEET METAL, FELT, BUILDING PAPER, OR LIKE MATERIALS ARE PROHIBITED.

TIE BEAMS: TIE BEAMS SHALL BE CONCRETE, POURED AFTER THE BLOCK WALLS BELOW ARE IN PLACE. REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS WITH MINIMUM LAP SPLICES OF 48 BAR DIAMETERS AND BENT BARS AT CORNERS. USE METAL LATH, MORTAR, OR SPECIAL UNITS TO CONFINE CONCRETE TO AREA REQUIRED, IN ACCORDANCE WITH ACI 530.1, SECTION 3.5 B. SOLID METAL OR FELT CAVITY CAPS ARE PROHIBITED.

PRECAST CONCRETE LINTELS: UNLESS INDICATED OTHERWISE, ALL LINTELS TO BE "U" TYPE PRECAST CONCRETE UNITS EQUAL TO UNITS MANUFACTURED BY CAST-CRETE CORP. AND PRESTRESSED (AND ADDITIONALLY REINFORCED AS REQUIRED) IN ACCORDANCE WITH CAST-CRETE CORP. "DESIGN MANUAL", LATEST EDITION, FOR THE SPAN AND LOADING CONDITION RELATIVE TO LINTEL LOCATION.

LINTEL SIZE IF NOT SHOWN ON THE PLANS SHALL BE 8F8-1B FOR OPENINGS LESS THAN 10 FEET AND 8F16-1B/1T FOR OPENINGS 10 FEET TO 20 FEET. PROVIDE 8" MINIMUM BEARING FOR LINTELS UNLESS NOTED OTHERWISE.

SAWN LUMBER: SAWN LUMBER SHALL BE SOUTHERN PINE #2 WITH THE ALLOWABLE FIBER STRESSES PER THE AWC NATIONAL DESIGN SPECIFICATION.

ALL LUMBER EXPOSED TO WEATHER SHALL BE PROTECTED OR PRESSURE TREATED. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PROTECTED OR PRESSURE TREATED.

ALL FRAMING NAILS SHALL BE COMMON NAILS AND SHALL BE OF THE SIZE AND NUMBER INDICATED ON THE DRAWINGS. NAILING NOT SHOWN SHALL BE AS INDICATED IN TABLE 2304.10.1 OF THE FBC. BOLTS AND LAG SCREWS SHALL CONFORM TO ANSII/ASME STANDARD B18.1. ALL BOLTS AND LAG SCREWS SHALL BE INSTALLED WITH STANDARD CUT WASHERS.

WOOD FRAMING CONNECTORS: FRAMING ACCESSORIES AND STRUCTURAL FASTENERS SHALL BE MANUFACTURED BY SIMPSON COMPANY (OR APPROVED EQUAL) AND OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. HANGERS NOT SHOWN SHALL BE SIMPSON HJ OF SIZE RECOMMENDED FOR MEMBER. ALL CONNECTORS SHALL BE STAINLESS STEEL, UNLESS SHOWN OTHERWISE. INSTALL MAXIMUM SIZE AND NUMBER OF FASTENERS SHOWN IN LATEST SIMPSON CATALOG.

MULTIPLY WOOD BEAMS: HEADERS AND LEDGERS LOADED FROM TOP SHALL BE CONNECTED TOGETHER WITH 2 ROWS SIMPSON SDW SCREWS AT 16" OC THROUGH ALL PLYS WITH 1 3/8" MINIMUM EMBEDMENT. HEADERS AND LEDGERS LOADED BY FACE-MOUNTED BUCKETS SHALL BE CONNECTED TOGETHER AS FOLLOWS: 2X6 AND 2X8 CONNECTED TOGETHER WITH 2 ROWS SIMPSON SDW SCREWS AT 12" OC, 2X10 AND 2X12 CONNECTED TOGETHER WITH 3 ROWS SIMPSON SDW SCREWS AT 12" OC.

SDW SCREWS SHALL BE INSTALLED WITH 1 1/2" EDGE DISTANCE, 6" END DISTANCE, AND 4" MINIMUM CENTER TO CENTER.

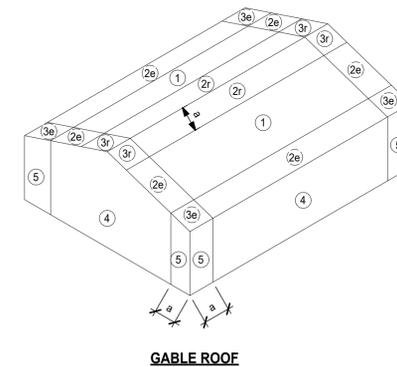
PLYWOOD: PLYWOOD PANELS SHALL CONFORM TO THE REQUIREMENTS OF "U.S. PRODUCT STANDARD PS-1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" OR APA PRP-108 PERFORMANCE STANDARDS. UNLESS OTHERWISE NOTED, PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS.

PLYWOOD INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

ALL SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. STAGGER ENDS OF ADJACENT PANELS 4'-0".

ROOF SHEATHING SHALL BE 3/4" PLYWOOD, BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. ATTACH PLYWOOD PANELS TO SUPPORTING MEMBERS WITH 10d RINGSHANK NAILS SPACED 4" ON CENTER ALONG THE PANEL EDGES AND AT 6" ON CENTER ALONG INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.

SOFFITS: SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES FOR WALLS SPECIFIED IN THE COMPONENT AND CLADDING CHART. SOFFITS SHALL BE CONSTRUCTED WITH 2X4 AT 24" OC WITH 1/2" PLYWOOD WITH 8d @ 4" OC EDGES AND 6" OC FIELD OR PER FLORIDA PRODUCT APPROVAL.



GABLE ROOF

ALLOWABLE COMPONENT & CLADDING WIND PRESSURES (PSF)				
ZONE		TRIBUTARY AREA		
		36 SQ FT	144 SQ FT	300 SQ FT
ROOF	INTERIOR	1	34 / -25	34 / -25
	RIDGE/EDGE	2	52 / -37	52 / -37
	CORNER	3	68 / -49	68 / -49

a= 3

ft

COMPONENT & CLADDING DIAGRAM

SCALE: NOT TO SCALE

SELECT STRUCTURAL
 12573 New Brittany Blvd
 Fort Myers, Florida 33907
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 Certification Auth., 28357



REVISIONS

NO.	DATE	DESCRIPTION

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 25 12TH AVE SOUTH
 NAPLES, FL 34102

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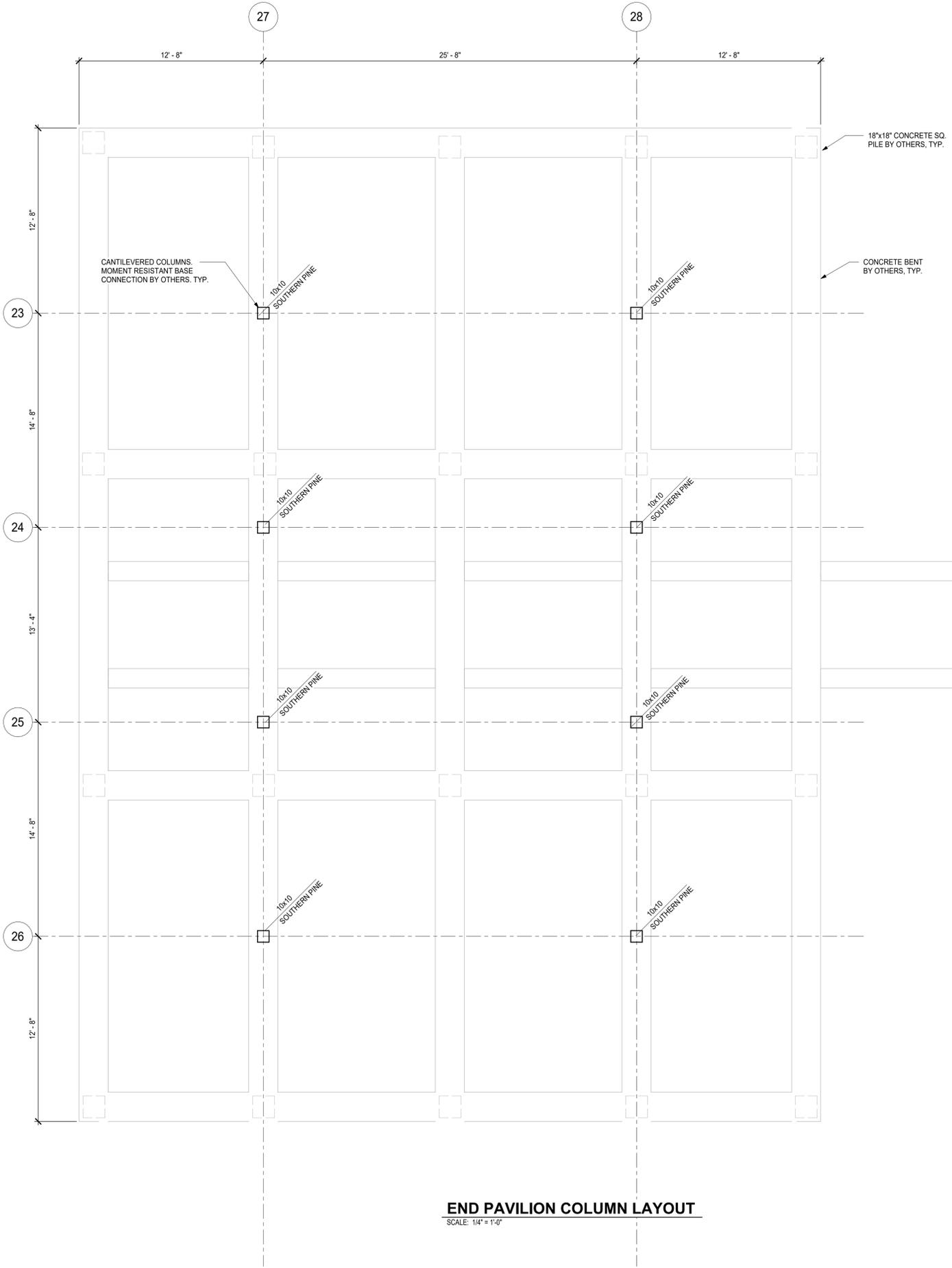
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 DRAWN BY: MSL
 ENGINEERED BY: MSL
 SCALE: NOT TO SCALE
 JOB NO.: 23449

SHEET TITLE: GENERAL NOTES

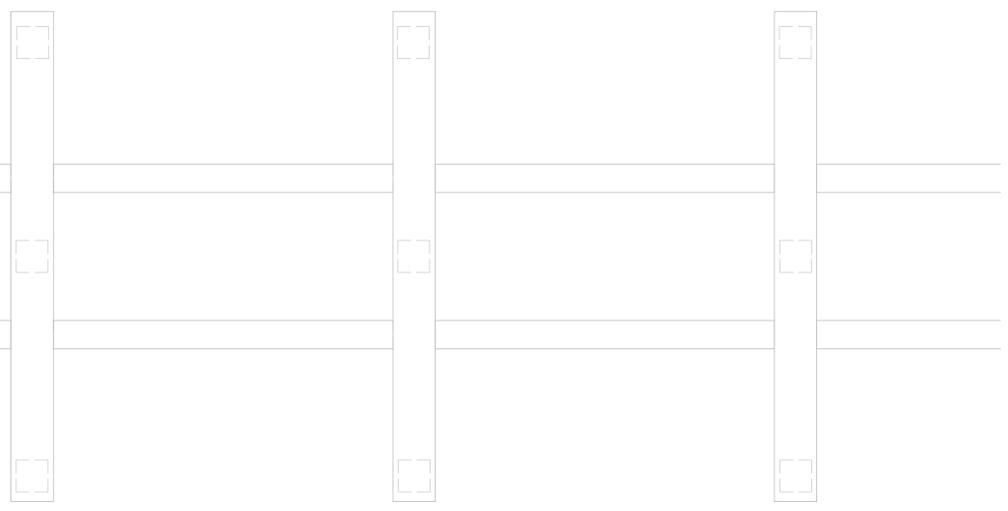
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SHEET NO.:

S.1.0



END PAVILION COLUMN LAYOUT
SCALE: 1/4" = 1'-0"



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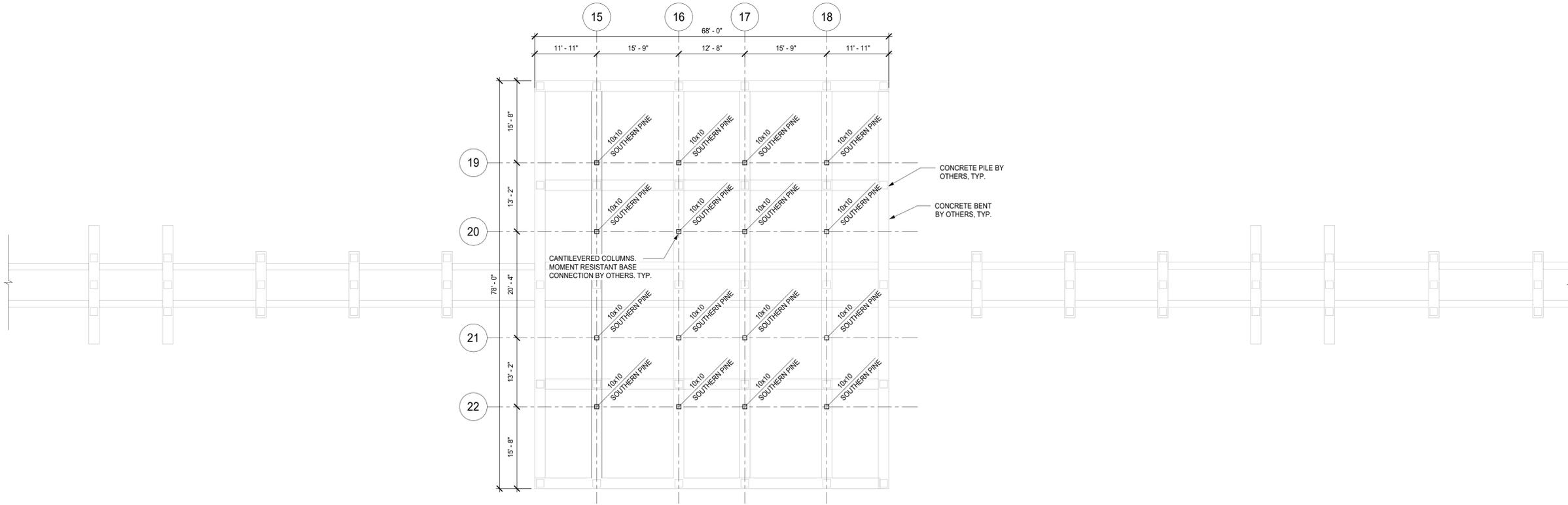
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ISSUED DATE: 03.04.24
DRAWN BY: MSL
ENGINEERED BY: MSL
SCALE: 1/4" = 1'-0"
JOB NO.: 23449

SHEET TITLE:
**END PAVILION
COLUMN LAYOUT**
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SHEET NO.:
S.2.0

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MID PAVILION COLUMN LAYOUT
SCALE: 3/32" = 1'-0"

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ENGINEERED BY: MSL
SCALE: 3/32" = 1'-0"
JOB NO.: 23449

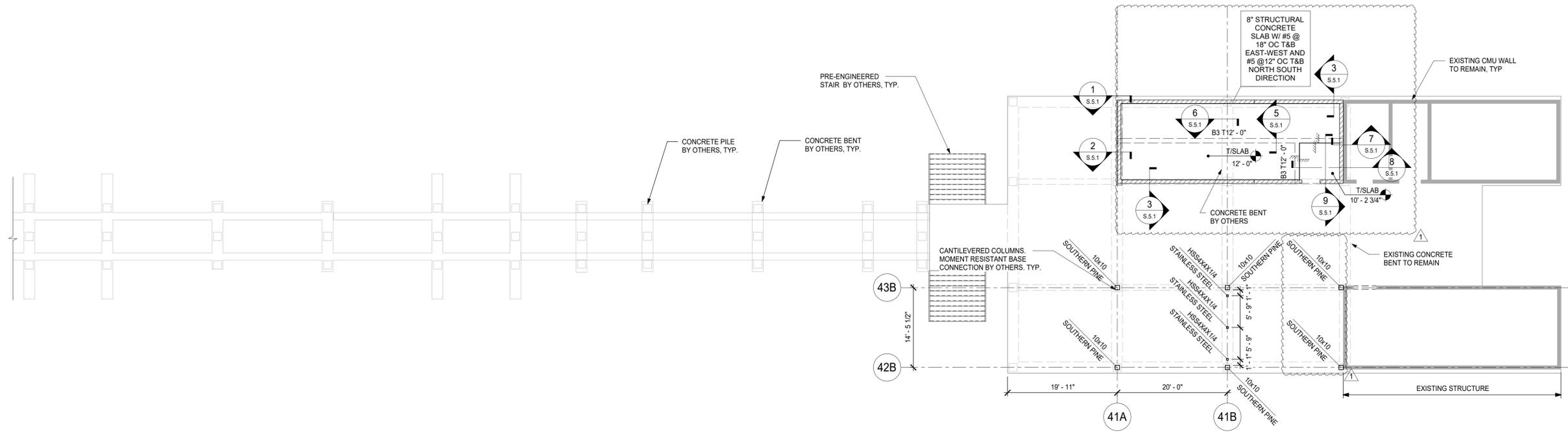
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**MID PAVILION
COLUMN LAYOUT**

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SHEET NO.:

S.2.1

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PIER ACCESS COLUMN LAYOUT
SCALE: 1" = 10'-0"

FOUNDATION PLAN NOTES:

- DO NOT SCALE DRAWINGS. VERIFY/COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. NOTIFY THE STRUCTURAL ENGINEER AND ARCHITECT OF RECORD OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.
- INDICATES 8" CMU WALLS W/ #5 VERTICALS AT 48" OC MAX, AND AT CORNERS, INTERSECTIONS AND BOTH SIDES OF OPENINGS, UNLESS NOTED OTHERWISE.

CONCRETE BEAM SCHEDULE							
MARK	WIDTH	DEPTH	REINFORCEMENT				COMMENTS
			TOP	MID	BOT	STIRRUPS	
B1	8"	1'-0"	(2) #8		(4) #8	#3 @ 4" OC	
B2	8"	1'-4"	(2) #8		(4) #8	#3 @ 4" OC	
B3	10"	2'-11 1/2"	(2) #5	#4 SKIN REINF @ 12" OC	(3) #5	#3 @ 12" OC	
TB1	7'3/4"	1'-4"	(2) #5		(2) #5	#3 @ 48" OC	



REVISIONS		
NO.	DATE	DESCRIPTION
1	5/10/24	Revision 1

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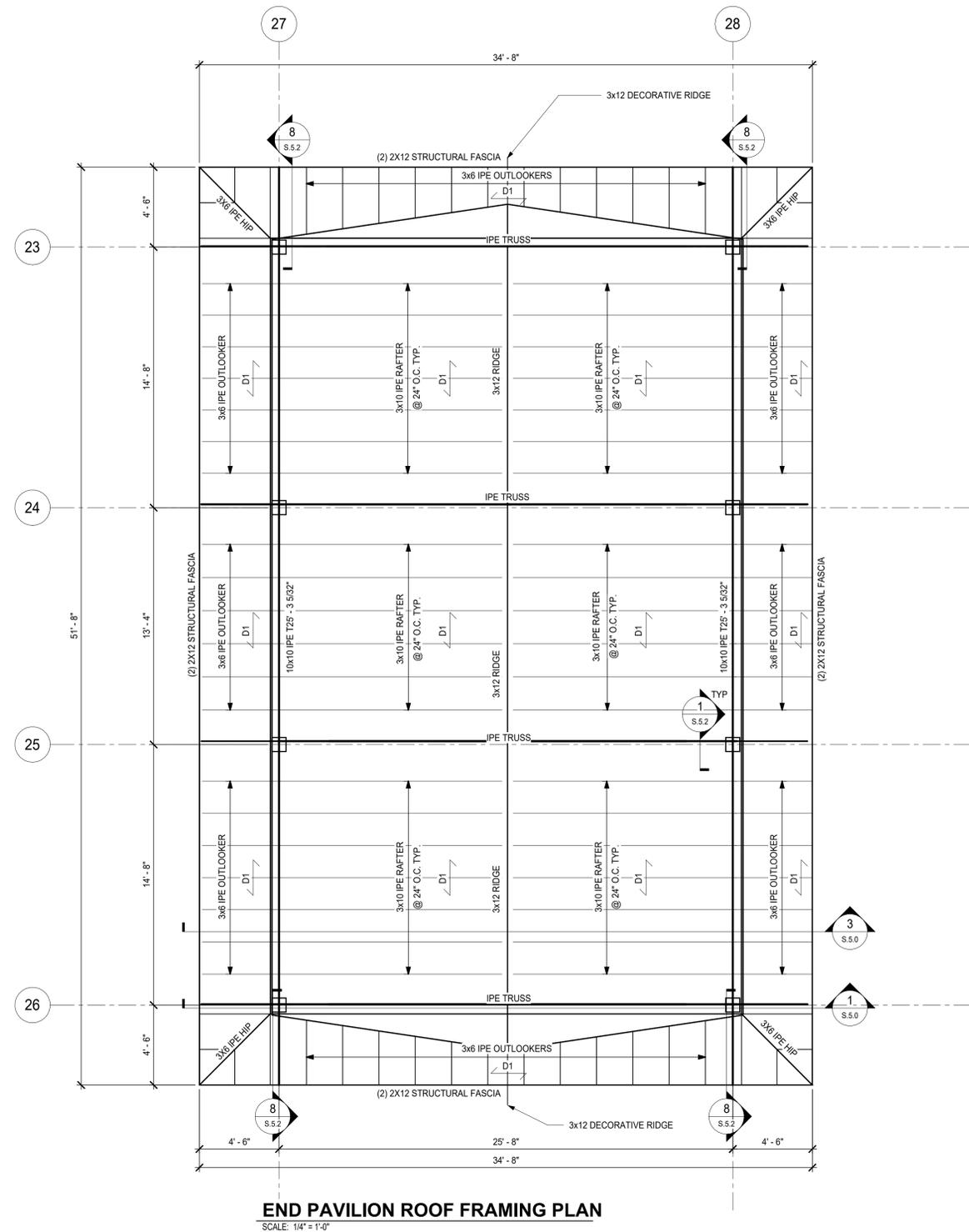
ISSUED DATE: 03.04.24
DRAWN BY: MSL
ENGINEERED BY: MSL
SCALE: As indicated
JOB NO.: 23449

SHEET TITLE:
**PIER ACCESS
COLUMN LAYOUT**

PERMIT

SHEET NO.:
S.2.2

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END PAVILLION ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

ROOF FRAMING PLAN NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPES AND ACCESS HATCH LOCATIONS.
- COORDINATE LOCATION OF MECHANICAL EQUIPMENT AND OPENINGS NOT SHOWN ON PLAN.
- TX-'X' INDICATES TOP OF BEAM ELEVATION.
- D1 INDICATES 1x6 T&G DECKING (SEE ARCH FOR REQUIREMENTS) AND 3/4" PLYWOOD SHEATHING W/ 10d RINGSHANK NAILS AT 4" OC AT PANEL EDGES AND 6" OC AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
 - D2 INDICATES 3/4" PLYWOOD SHEATHING W/ 10d RINGSHANK NAILS AT 4" OC AT PANEL EDGES AND 6" OC AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
- PROVIDE CONTINUOUS UNINTERRUPTED ROOF SHEATHING UNDER OVER-BUILDS.
- SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS FOR THE ROOF SYSTEM.

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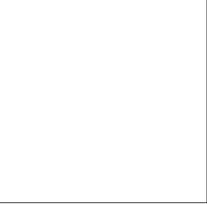


REVISIONS

NO.	DATE	DESCRIPTION

**NAPLES PIER
RECONSTRUCTION**
25 12TH AVE SOUTH
NAPLES, FL 34102

SEAL



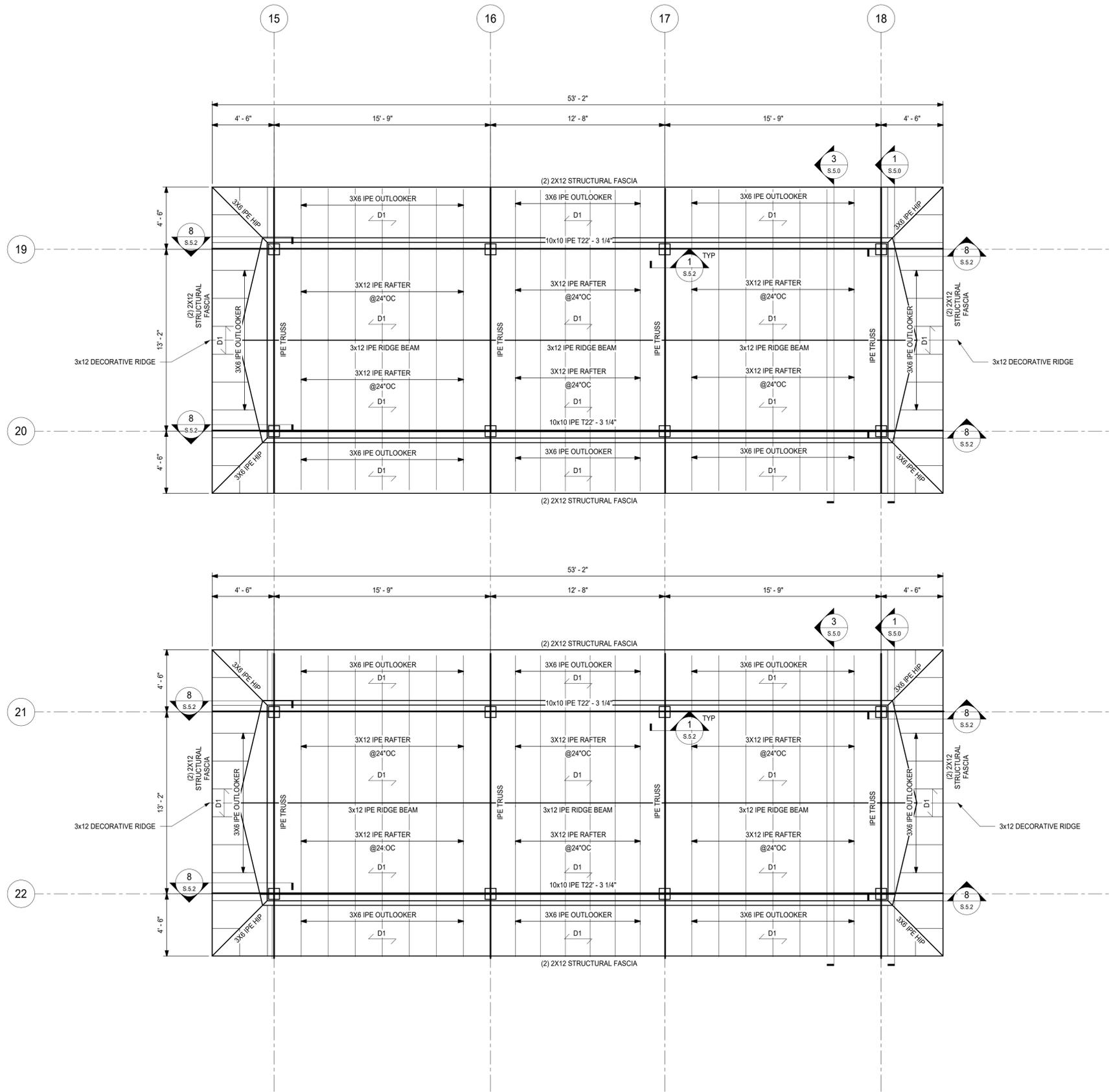
ISSUED DATE: 03.04.24
DRAWN BY: MSL
ENGINEERED BY: MSL
SCALE: 1/4" = 1'-0"
JOB NO.: 23449

SHEET TITLE:
**END PAVILLION
ROOF FRAMING
PLAN
PERMIT**

SHEET NO.:

S.4.0

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MID PAVILION ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

ROOF FRAMING PLAN NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPES AND ACCESS HATCH LOCATIONS.
2. COORDINATE LOCATION OF MECHANICAL EQUIPMENT AND OPENINGS NOT SHOWN ON PLAN.
3. TX-'X' INDICATES TOP OF BEAM ELEVATION.
4. $\overrightarrow{D1}$ INDICATES 1x6 T&G DECKING (SEE ARCH FOR REQUIREMENTS) AND 3/4" PLYWOOD SHEATHING W/ 10d RINGSHANK NAILS AT 4" OC AT PANEL EDGES AND 6" OC AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
5. $\overrightarrow{D2}$ INDICATES 3/4" PLYWOOD SHEATHING W/ 10d RINGSHANK NAILS AT 4" OC AT PANEL EDGES AND 6" OC AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
6. PROVIDE CONTINUOUS UNINTERRUPTED ROOF SHEATHING UNDER OVER-BUILDS.
7. SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS FOR THE ROOF SYSTEM.

REVISIONS

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RECONSTRUCTION**
25 12TH AVE SOUTH
NAPLES, FL 34102

SEAL

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ENGINEERED BY: MSL
SCALE: 1/4" = 1'-0"
JOB NO.: 23449

SHEET TITLE:
MID PAVILION ROOF FRAMING PLAN

PERMIT

SHEET NO.:

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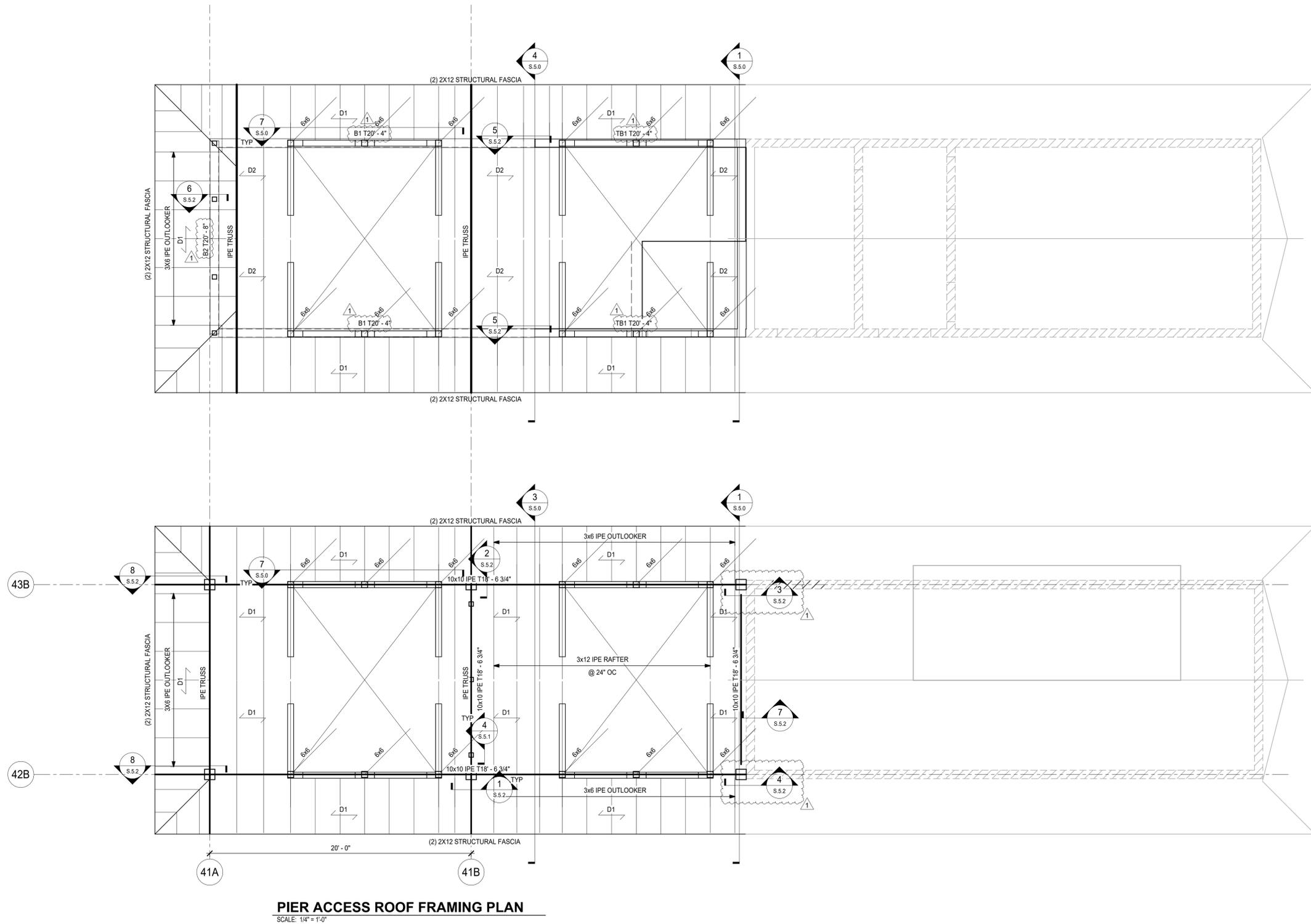
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CONCRETE BEAM SCHEDULE							
MARK	WIDTH	DEPTH	REINFORCEMENT				COMMENTS
			TOP	MID	BOT	STIRRUPS	
B1	8"	1'-0"	(2) #8	-	(4) #8	#3 @ 4" OC	
B2	8"	1'-4"	(2) #8	-	(4) #8	#3 @ 4" OC	
B3	10"	2'-11 1/2"	(2) #5	#4 SKIN REINF @ 12" OC	(3) #5	#3 @ 12" OC	
TB1	7 3/4"	1'-4"	(2) #5	-	(2) #5	#3 @ 48" OC	

ROOF FRAMING PLAN NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPES AND ACCESS HATCH LOCATIONS.
- COORDINATE LOCATION OF MECHANICAL EQUIPMENT AND OPENINGS NOT SHOWN ON PLAN.
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- PROVIDE CONTINUOUS UNINTERRUPTED ROOF SHEATHING UNDER OVER-BUILDS.
- SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS FOR THE ROOF SYSTEM.



PIER ACCESS ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

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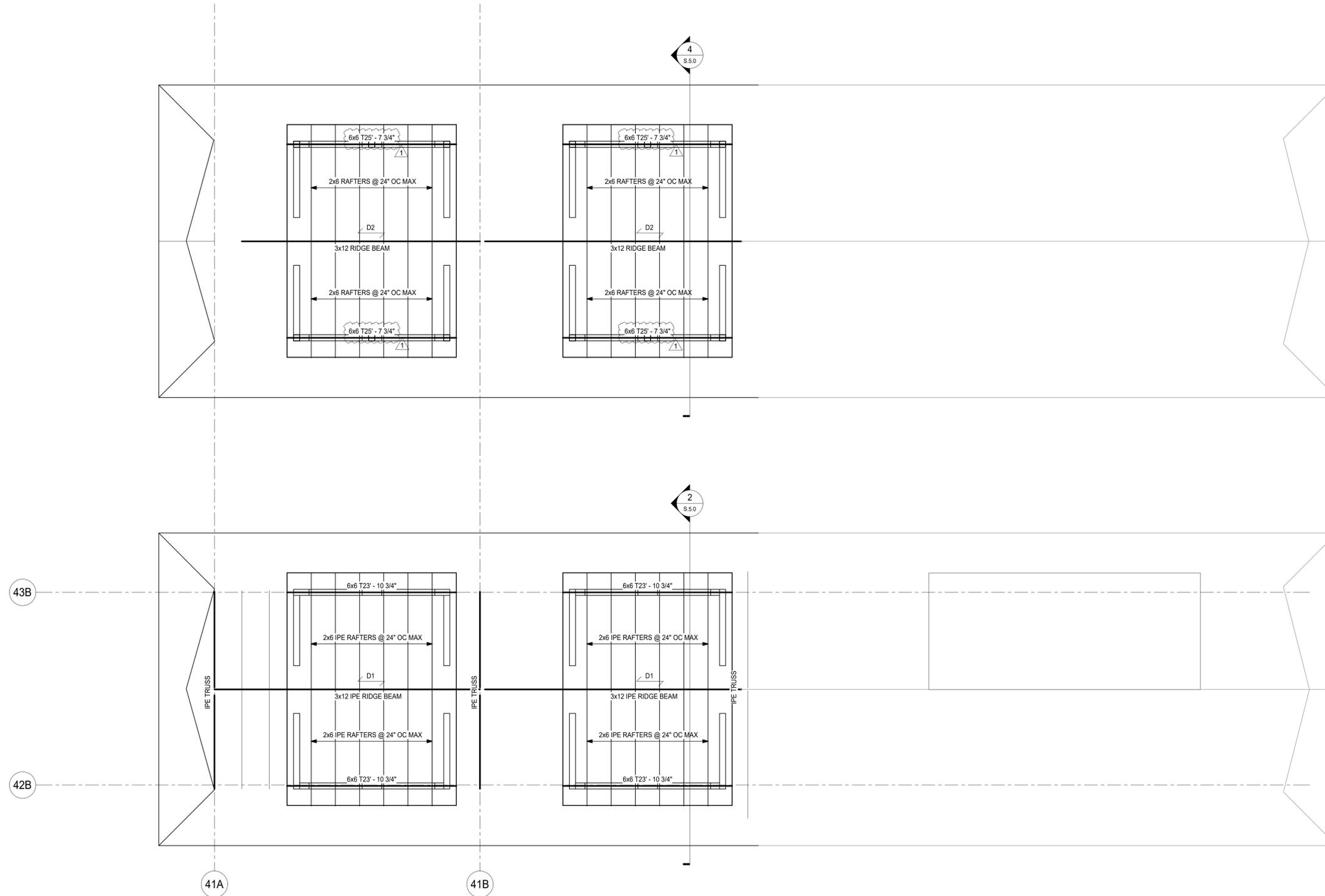
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ENGINEERED BY: MSL
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JOB NO.: 23449

SHEET TITLE:
PIER ACCESS LOW ROOF FRAMING PLAN
PERMIT

SHEET NO.:
S.4.2

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ROOF FRAMING PLAN NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPES AND ACCESS HATCH LOCATIONS.
2. COORDINATE LOCATION OF MECHANICAL EQUIPMENT AND OPENINGS NOT SHOWN ON PLAN.
3. TX-X' INDICATES TOP OF BEAM ELEVATION.
4. $\triangle D1$ INDICATES 1x6 T&G DECKING (SEE ARCH FOR REQUIREMENTS) AND 3/4" PLYWOOD SHEATHING W/ 10d RINGSHANK NAILS AT 4" OC AT PANEL EDGES AND 6" OC AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
5. $\triangle D2$ INDICATES 3/4" PLYWOOD SHEATHING W/ 10d RINGSHANK NAILS AT 4" OC AT PANEL EDGES AND 6" OC AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
6. PROVIDE CONTINUOUS UNINTERRUPTED ROOF SHEATHING UNDER OVER-BUILDS.
7. SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS FOR THE ROOF SYSTEM.

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1	5/10/24	Revision 1

**NAPLES PIER
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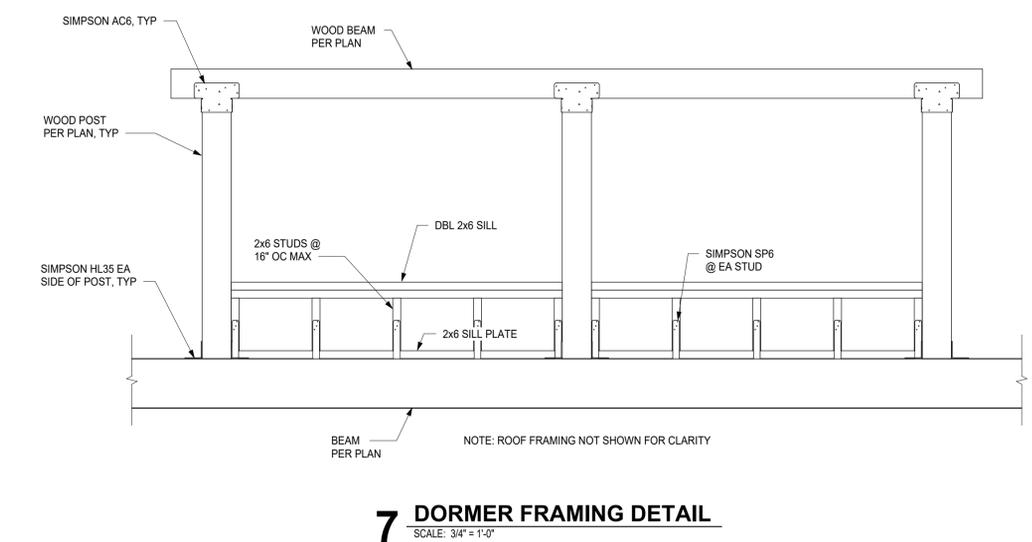
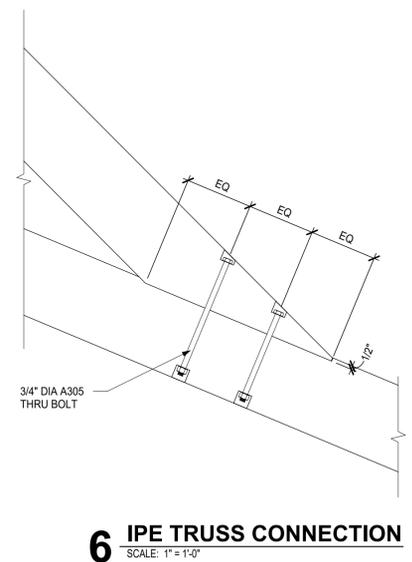
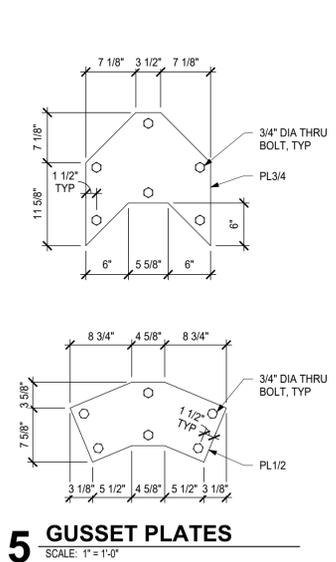
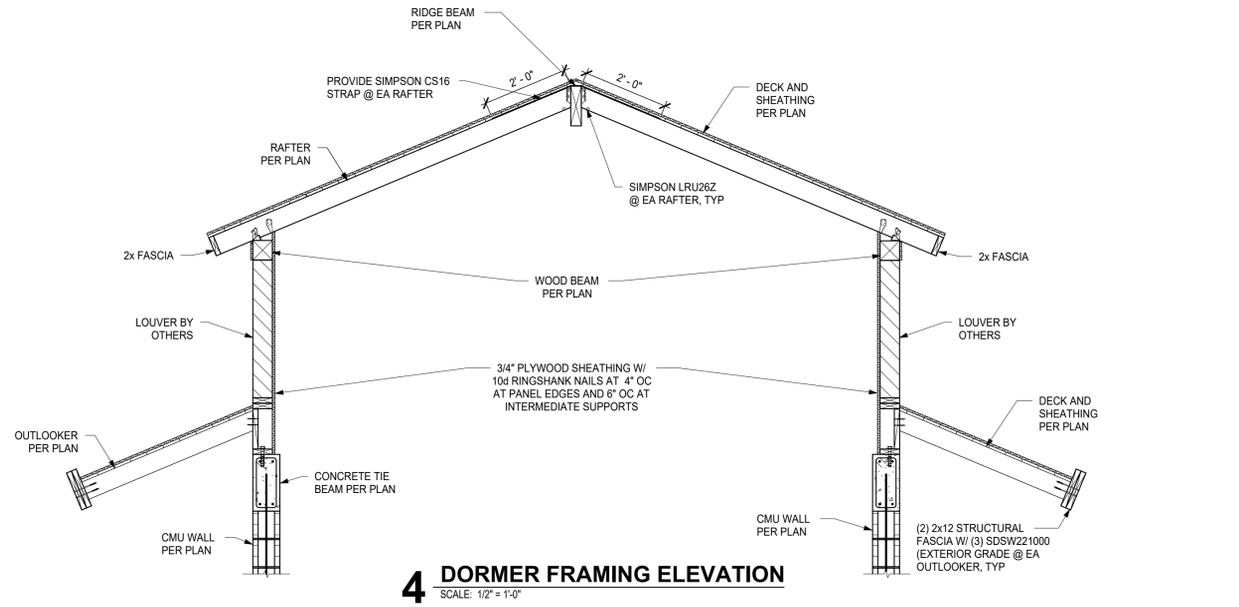
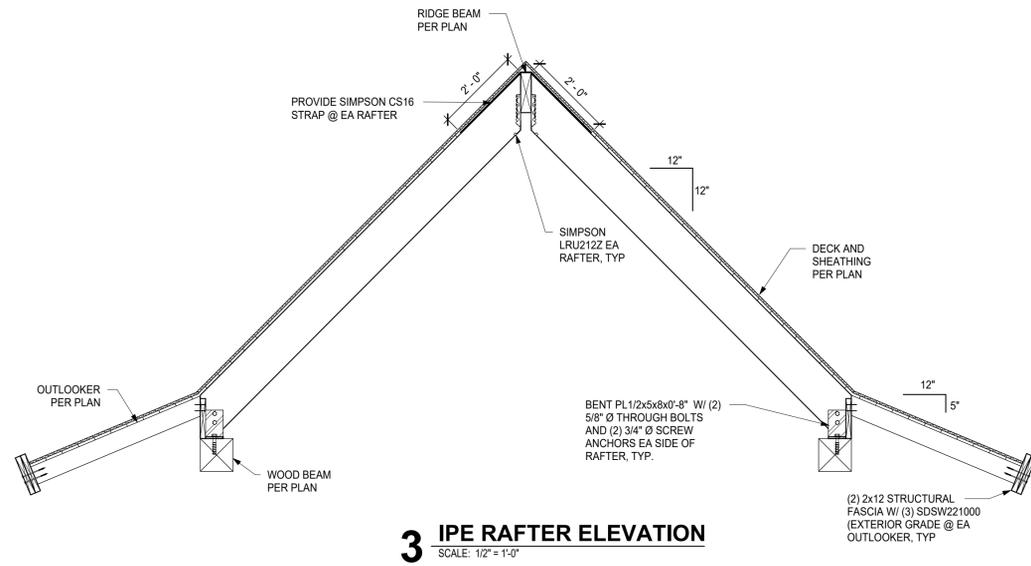
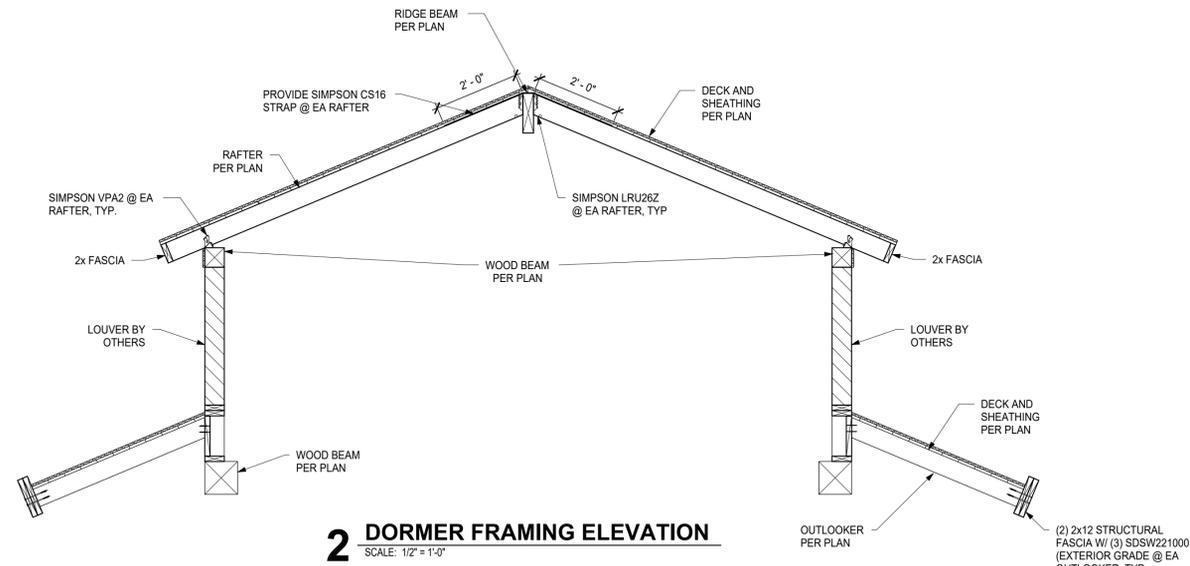
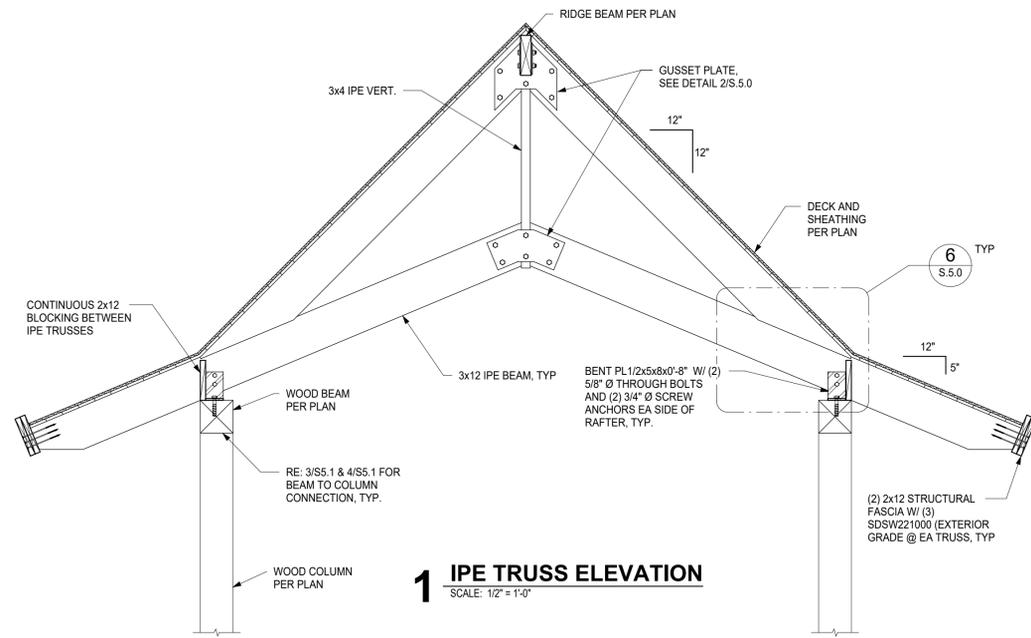
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SCALE: 1/4" = 1'-0"
JOB NO.: 23449

SHEET TITLE:
**PIER ACCESS HIGH
 ROOF FRAMING
 PLAN
 PERMIT**

SHEET NO.:
S.4.3

PIER ACCESS ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"



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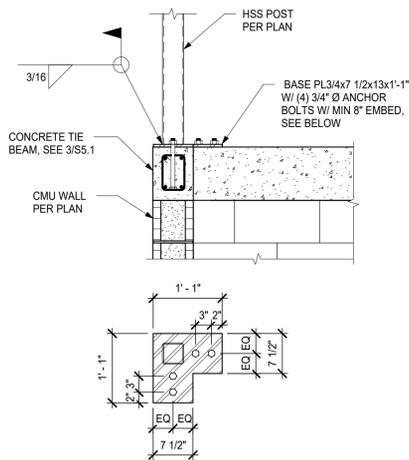
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ISSUED DATE: 03.04.24
DRAWN BY: MSL
ENGINEERED BY: MSL
SCALE: As indicated
JOB NO.: 23449

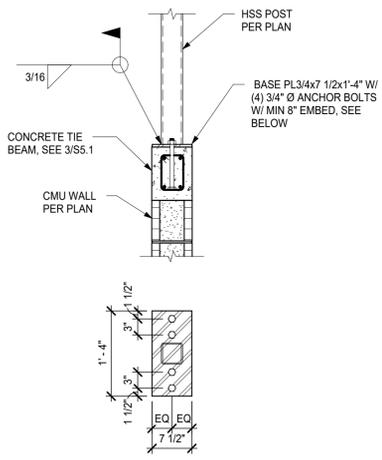
SHEET TITLE:
DETAILS

PERMIT

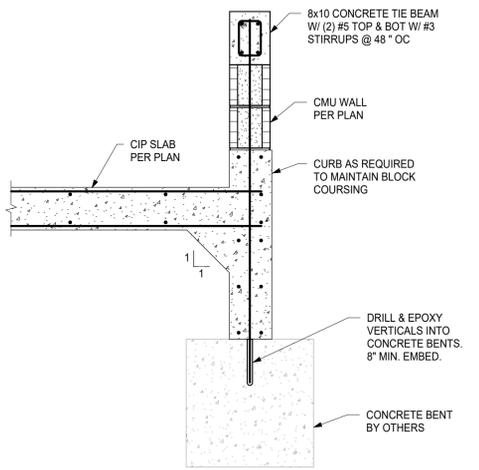
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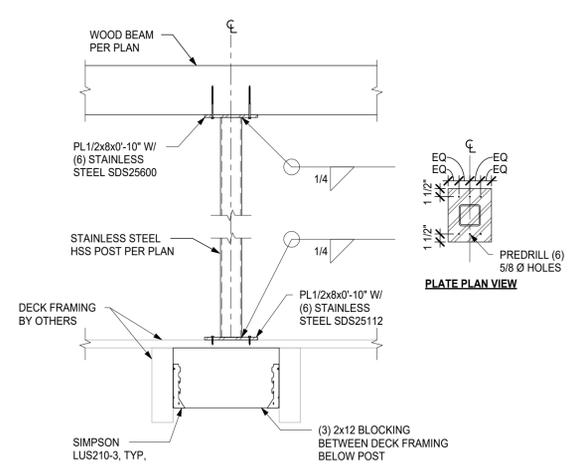
1 HSS POST TO CMU WALL
SCALE: 3/4" = 1'-0"



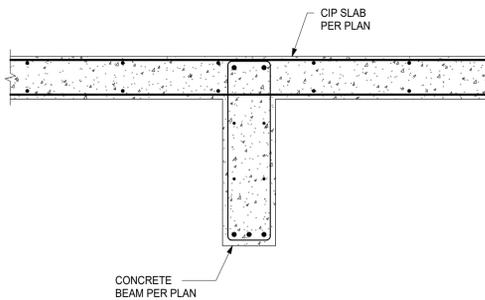
2 HSS POST TO CMU WALL
SCALE: 3/4" = 1'-0"



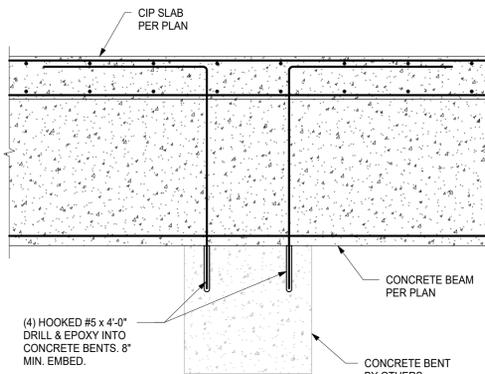
3 CMU/SLAB WALL TO CONCRETE BENT
SCALE: 3/4" = 1'-0"



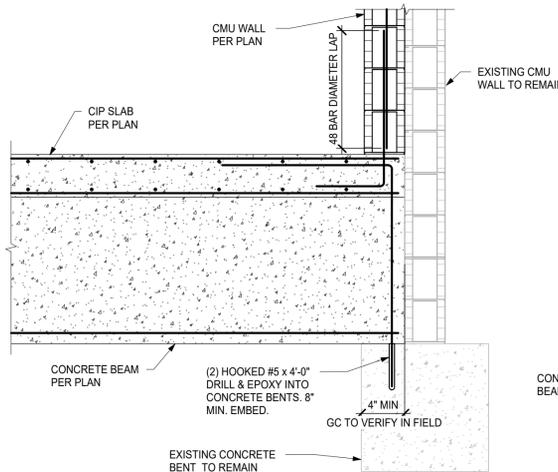
4 STEEL POST CONNECTIONS
SCALE: 3/4" = 1'-0"



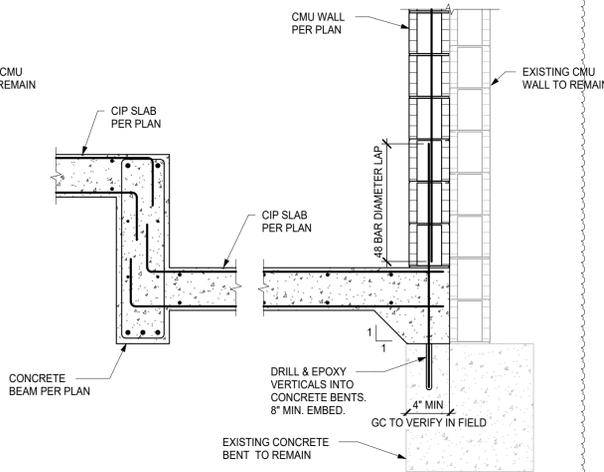
5 CONC. BEAM AT SLAB INTERIOR
SCALE: 3/4" = 1'-0"



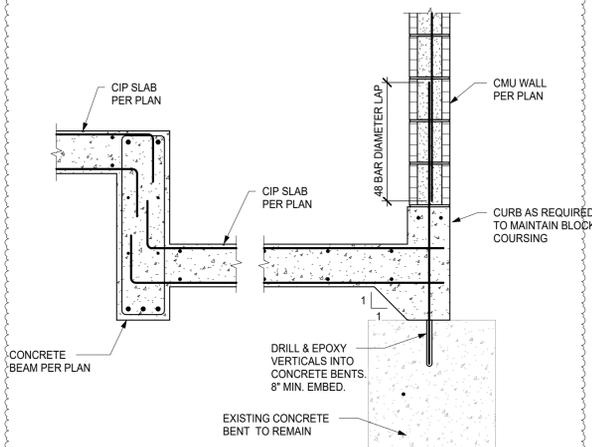
6 CONC. BEAM TO CONCRETE BENT
SCALE: 3/4" = 1'-0"



7 SLAB TO CONCRETE BENT
SCALE: 3/4" = 1'-0"



8 SLAB TO CONCRETE BENT
SCALE: 3/4" = 1'-0"



9 SLAB TO CONCRETE BENT
SCALE: 3/4" = 1'-0"

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1	5/10/24	Revision 1

**NAPLES PIER
RECONSTRUCTION**
25 12TH AVE SOUTH
NAPLES, FL 34102

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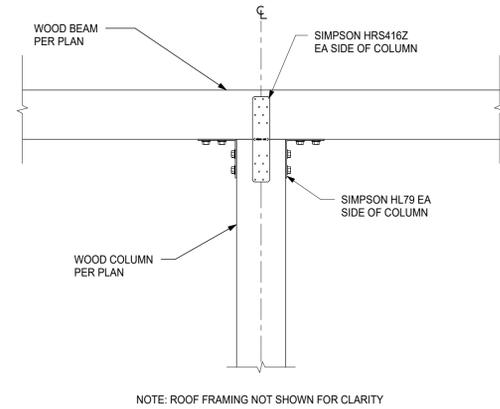
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SCALE: 3/4" = 1'-0"
JOB NO.: 23449

SHEET TITLE:
DETAILS

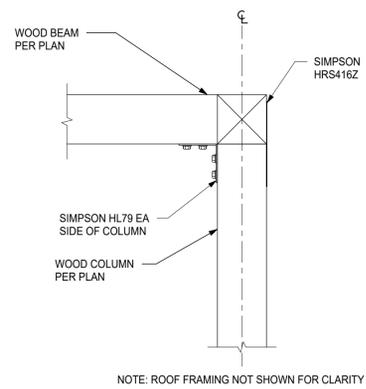
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SHEET NO.:

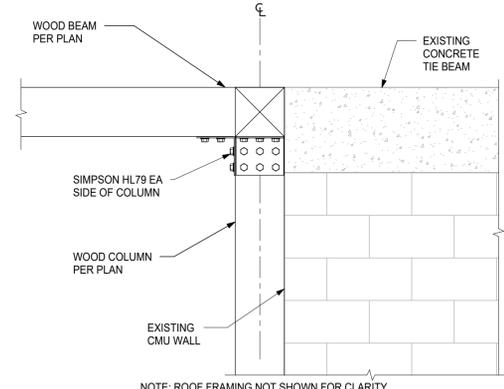
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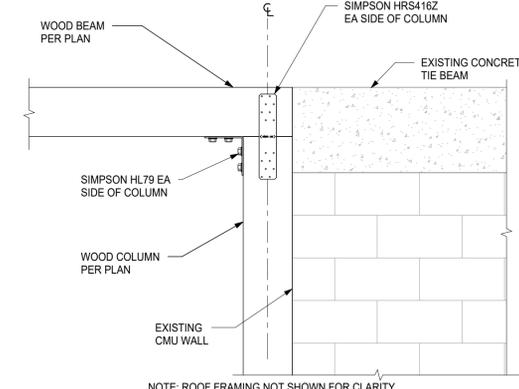
1 WOOD BEAM TO POST DETAIL
SCALE: 3/4" = 1'-0"



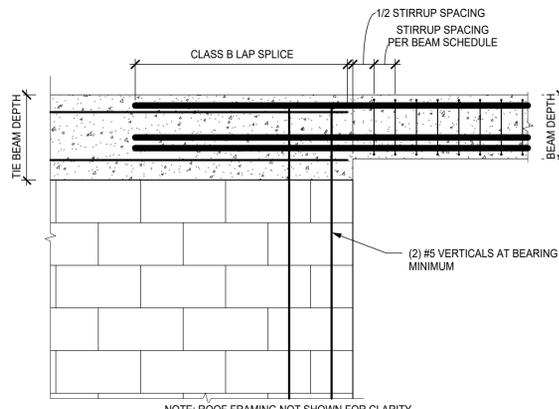
2 WOOD BEAM TO POST DETAIL
SCALE: 3/4" = 1'-0"



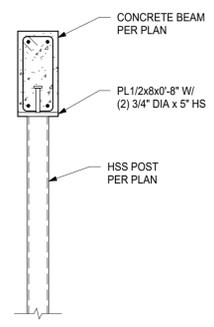
3 WOOD BEAM AT EXISTING CMU WALL
SCALE: 3/4" = 1'-0"



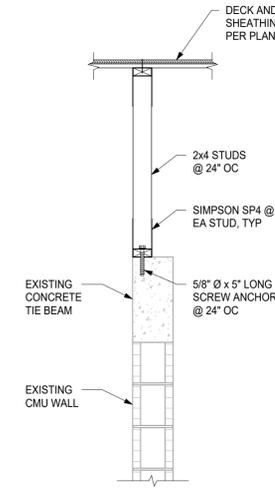
4 WOOD BEAM AT EXISTING CMU WALL
SCALE: 3/4" = 1'-0"



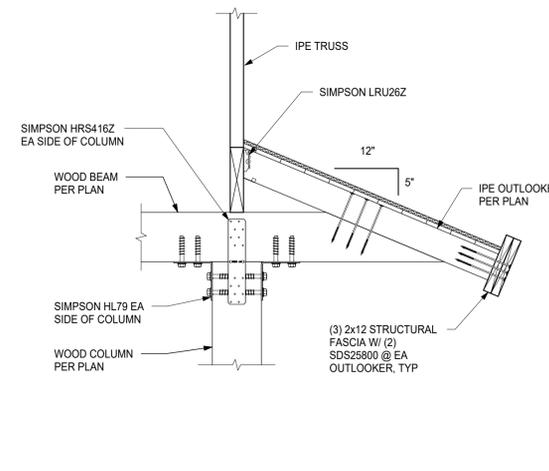
5 TYPICAL CONCRETE BEAM BEARING
SCALE: NOT TO SCALE



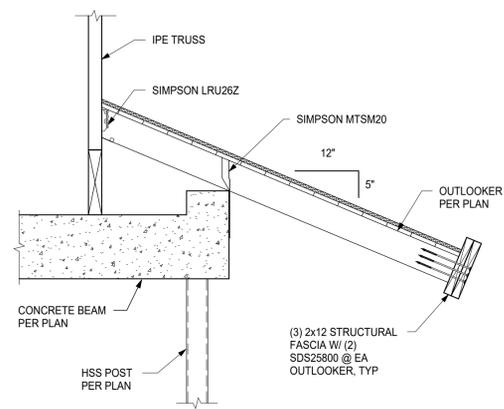
6 CONCRETE BEAM TO HSS POST DETAIL
SCALE: 3/4" = 1'-0"



7 WOOD WALL INFILL
SCALE: 3/4" = 1'-0"



8 IPE RAFTER ELEVATION
SCALE: 3/4" = 1'-0"



9 IPE RAFTER ELEVATION
SCALE: 3/4" = 1'-0"

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**NAPLES PIER
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SEAL

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JOB NO.: 23449

SHEET TITLE:
DETAILS

PERMIT

SHEET NO.:

S.5.2

ATTACHMENT B - REVISED SCHEDULE OF VALUES**SCHEDULE OF VALUES****ITB 24-011****Naples Pier Reconstruction - ITB****TH #: 1550.06**

BIDDER:					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	Mobilization/Demobilization	LS	1		
2	Surveys	LS	1		
3	Demolition and upland disposal	LS	1		
4	Artificial Reef Disposal	PT,PM*	32,000		
5	Artificial Reef Debris Prep	HR*	300		
6	Concrete Test Piles (10)	LF	1,000		
7	Concrete Production Piles	LF	15,500		
8	Sacrificial Lateral Load Test Piles (2)	LF	200		
9	Cast in Place Concrete Substructure	CY	602		
10	Framing and Attachments - Main Deck	SF	19469		
11	Framing and Attachments - Raised Observation Deck	SF	1188		
12	Underwater Camera Box	LS	1		
13	Decking	SF	19372		
14	Standard Rail	LF	1255		
15	ADA Rail	LF	482		
16	Guard Rail	LF	866		
17	Guard Rail with Grab Bar	LF	85		
18	End Pavilion Roof	SF	1792		
19	Mid Pavilion Roofs	SF	2357		
20	Concession Building, Storage	LS	1		
21	Concession Area Roof Additions	SF	2096		
22	Restroom Renovations and Existing Roof Renovations	LS	1		
23	Food Service	LS	1		
24	Showers and Dining Area	LS	1		

ATTACHMENT B - REVISED SCHEDULE OF VALUES

25	Sand Catch Slab	LS	1		
26	Relocate Camera Pole	LS	1		
27	Beach Access Ramp	SF	219		
28	Gates	LS	1		
29	IPE Benches	EA	87		
30	Fish Cleaning Stations	EA	2		
31	Electrical Infrastructure and Receptacles	LS	1		
32	Rail Mounted Lights	EA	318		
33	Pavillion Roof Lighting	LS	60		
34	Fire Protection System	LS	1		
35	Potable Water	LS	1		

TOTAL COST

WRITTEN COST \$

NOTES: *These
IF ANY
quantities are estimated. Actual quantities will be determined during construction.
**ROCK PUNCHING/ DRILLING SHOULD BE REQUIRED PERMITTEE OR ENGINEER MUST BE NOTIFIED PRIOR TO
COMENCEMENT. ROCK IS DEFINED AS UNDISTURBED CAP ROCK.**

OPTIONS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
A	Concrete Test Piles (4) - 14" pile alternate	LF	1000		
B	Concrete Production Piles - 14" pile alternate	LF	15500		
C	Concrete Disposal at Landfill (alternative to 6 & 7 above)	PT	2000		
D					
E					

CONTRACTOR NOTES: