

ATTACHMENT A - PLANT SET REPLACEMENT

SPECIAL INSPECTION			
TYPE	REQUIRED	CONTINUOUS	PERIODIC
1764.1 - STEEL			
1 MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS	No	-	-
2 INSPECTION OF HIGH-STRENGTH BOLTING - BEARING CONNECTIONS	No	-	-
3 INSPECTION OF HIGH-STRENGTH BOLTING - SLIP CRITICAL CONNECTIONS	No	-	-
4 MATERIAL VERIFICATION OF STRUCTURAL STEEL CONFORMING TO SPEC	No	-	-
5 MATERIAL VERIFICATION OF WELD FILLER MATERIALS	No	-	-
6 CONCRETE AND METAL JOINT REINTEGRATION GROOVE WELDS	No	-	-
7 FULL PENETRANT WELDS	No	-	-
8 SINGLE-PASS FILET WELDS > 5/16"	No	-	-
9 PLUG AND SLOTT WELDS	No	-	-
10 SINGLE-PASS FILET WELDS < 5/16"	No	-	-
11 FLOOR AND ROOF DECK WELDS	No	-	-
12 VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	No	-	-
13 WELDING OF REINFORCING STEEL, RESISTING TENSILE AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES	No	-	-
14 WELDING OF SHEAR REINFORCEMENT	No	-	-
15 INSPECTION OF STEEL FRAME JOINT DETAIL FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS	No	-	-
16 COLLIFORM STEEL TRUSSES SPANNING GREATER THAN 80 FEET	No	-	-
1764.2 - WOOD			
1 FABRICATED LOAD BEARING ASSEMBLIES	No	-	-
2 VERIFICATION OF JOINTS CONDUCTED ON THE PREMISES OF THE FABRICATOR'S SHOP	No	-	-
3 METAL PLATE CONNECTED WOOD TRUSSES SPANNING GREATER THAN 80 FEET	No	-	-
1764.3 - SOIL			
1 VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE SUITABLE TO ACHIEVE THE DESIGN BEARING CAPACITY	No	-	-
2 VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	No	-	-
3 PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	No	-	-
4 VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	No	-	-
5 PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	No	-	-
1764.4 - DEEP FOUNDATION ELEMENTS			
1 VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS	Yes	X	-
2 DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS AS REQUIRED	Yes	X	-
3 SUBJECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	Yes	X	-
4 VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD SIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT	Yes	X	-
5 FOR STEEL ELEMENTS, PERFORM ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1764.3	No	-	-
6 FOR CONCRETE ELEMENTS AND CONCRETE FILL ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1764.4	No	-	-
7 FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	No	-	-
1764.5 - CAST-IN-PLACE DEEP FOUNDATION ELEMENTS			
1 SUBJECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	No	-	-
2 VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS IF APPLICABLE, ELEMENT EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE ENDS BEARING STRATA CAPACITY, RECORD CONCRETE OR GROUT VOLUMES	No	-	-
3 FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1764.4	No	-	-
1764.6 - METAL ON STEEL JOISTS AND JOIST CONNECTIONS			
1 METAL LATION OF OPEN WEB STEEL JOISTS AND JOIST CONNECTIONS INCLUDING END CONNECTIONS AND BRACING	No	-	-

SPECIAL INSPECTION			
TYPE	REQUIRED	CONTINUOUS	PERIODIC
2 VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREPARED MORTAR OR GROUT	No	-	-
3 VERIFICATION OF SLUMP	No	-	-
4 PROPORTION OF SITE-PREPARED MORTAR	No	-	-
5 PLACEMENT OF MASONRY UNIT AND CONSTRUCTION OF MORTAR JOINT	No	-	-
6 PLACEMENT OF REINFORCEMENT	No	-	-
7 GROUT SPACE PRIOR TO GROUTING	No	-	-
8 GROUT PLACEMENT	No	-	-
9 SIZE AND LOCATION OF STRUCTURAL ELEMENTS	No	-	-
10 TYPE, SIZE AND LOCATION OF MASONRY ANCHORAGE TO STRUCTURAL MEMBERS	No	-	-
11 TYPE, SIZE AND GRADE OF REINFORCEMENT AND ANCHOR BOLTS	No	-	-
12 WELDING OF REINFORCING BARS	No	-	-
13 TOLD WEATHER CONSTRUCTION	No	-	-
14 PREPARATION OF GROUT AND MORTAR SPECIMEN FOR TESTING	No	-	-
1764.4 - WOOD			
1 FABRICATED LOAD BEARING ASSEMBLIES	No	-	-
2 VERIFICATION OF JOINTS CONDUCTED ON THE PREMISES OF THE FABRICATOR'S SHOP	No	-	-
3 METAL PLATE CONNECTED WOOD TRUSSES SPANNING GREATER THAN 80 FEET	No	-	-
1764.3 - SOIL			
1 VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE SUITABLE TO ACHIEVE THE DESIGN BEARING CAPACITY	No	-	-
2 VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	No	-	-
3 PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	No	-	-
4 VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	No	-	-
5 PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	No	-	-
1764.4 - DEEP FOUNDATION ELEMENTS			
1 VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS	Yes	X	-
2 DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS AS REQUIRED	Yes	X	-
3 SUBJECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	Yes	X	-
4 VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD SIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT	Yes	X	-
5 FOR STEEL ELEMENTS, PERFORM ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1764.3	No	-	-
6 FOR CONCRETE ELEMENTS AND CONCRETE FILL ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1764.4	No	-	-
7 FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	No	-	-
1764.5 - CAST-IN-PLACE DEEP FOUNDATION ELEMENTS			
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3 FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1764.4	No	-	-
1764.6 - METAL ON STEEL JOISTS AND JOIST CONNECTIONS			
1 METAL LATION OF OPEN WEB STEEL JOISTS AND JOIST CONNECTIONS INCLUDING END CONNECTIONS AND BRACING	No	-	-



NAPLES PIER RECONSTRUCTION

The City of Naples

25 12th Ave S, Naples, FL 34102

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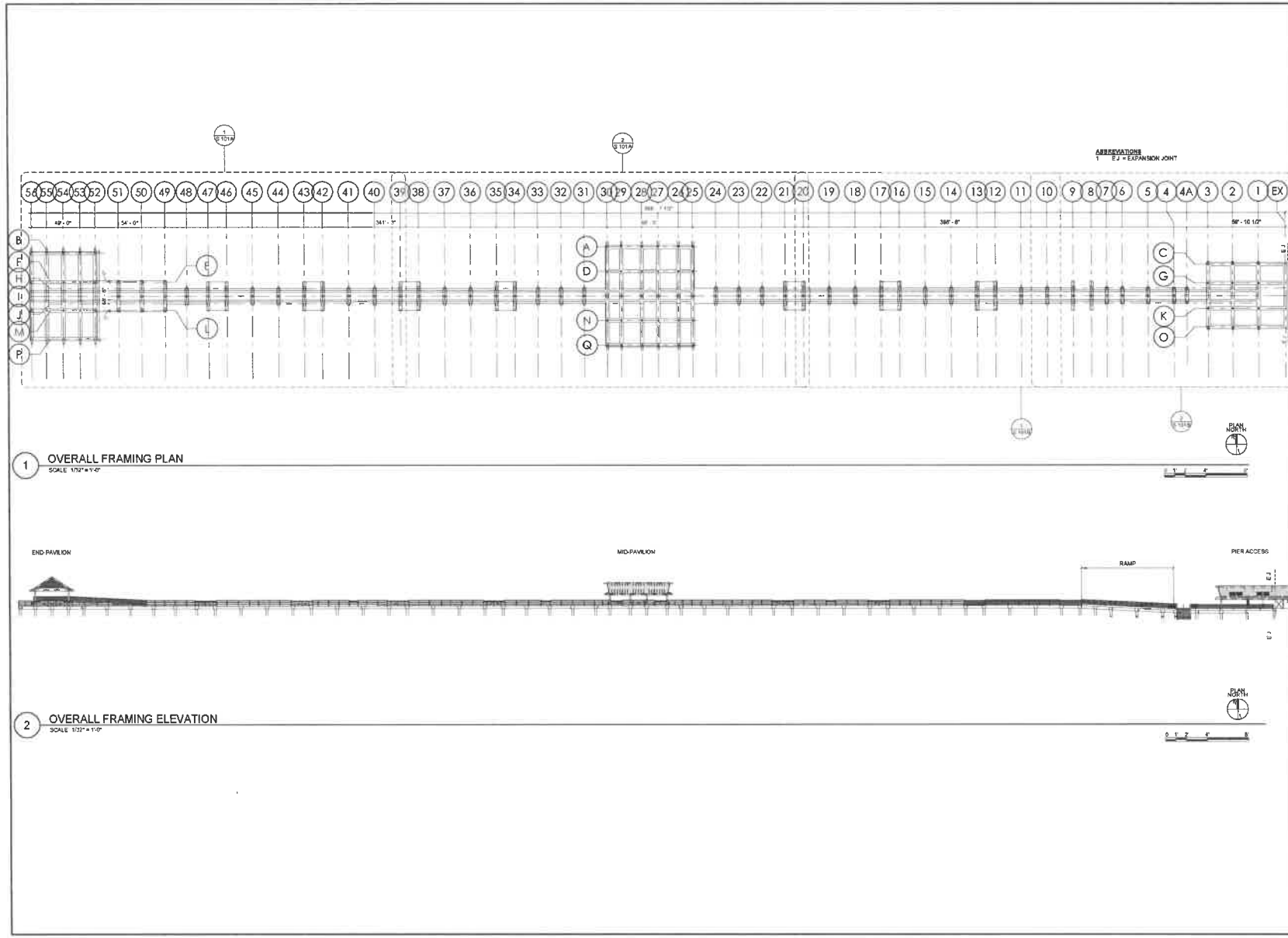
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SPECIAL INSPECTIONS

(REVISED BY)
S.002

ATTACHMENT A - PLANT SET REPLACEMENT



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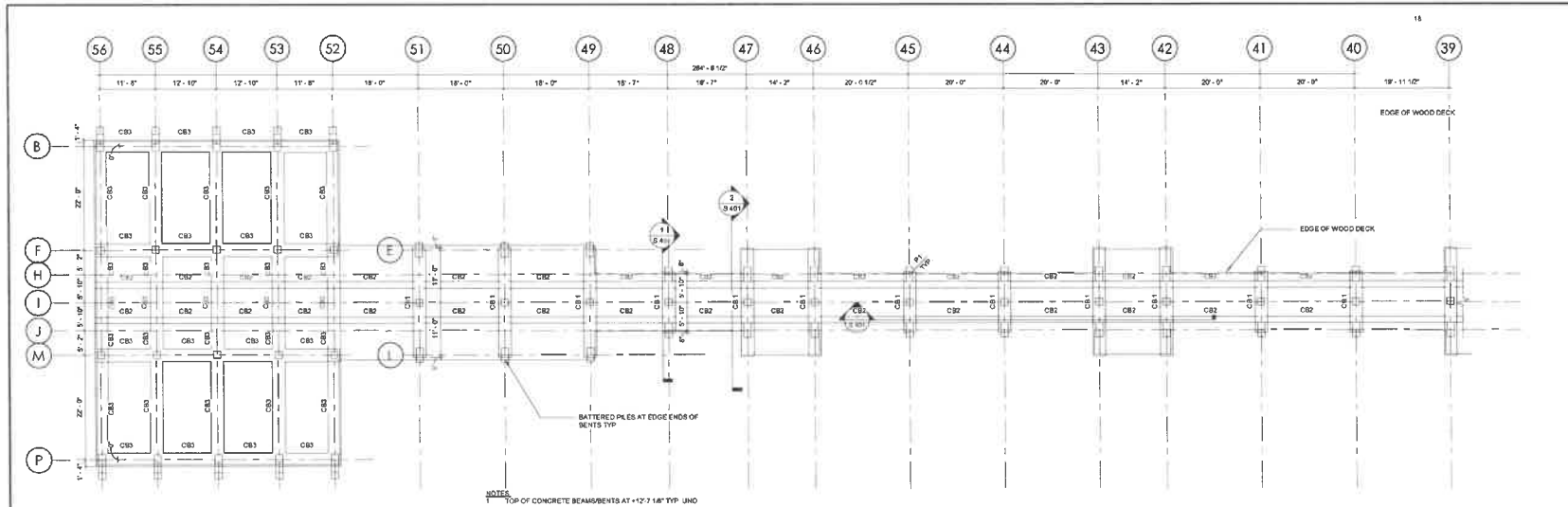
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OSBORN PROJ NO: 18200001.000

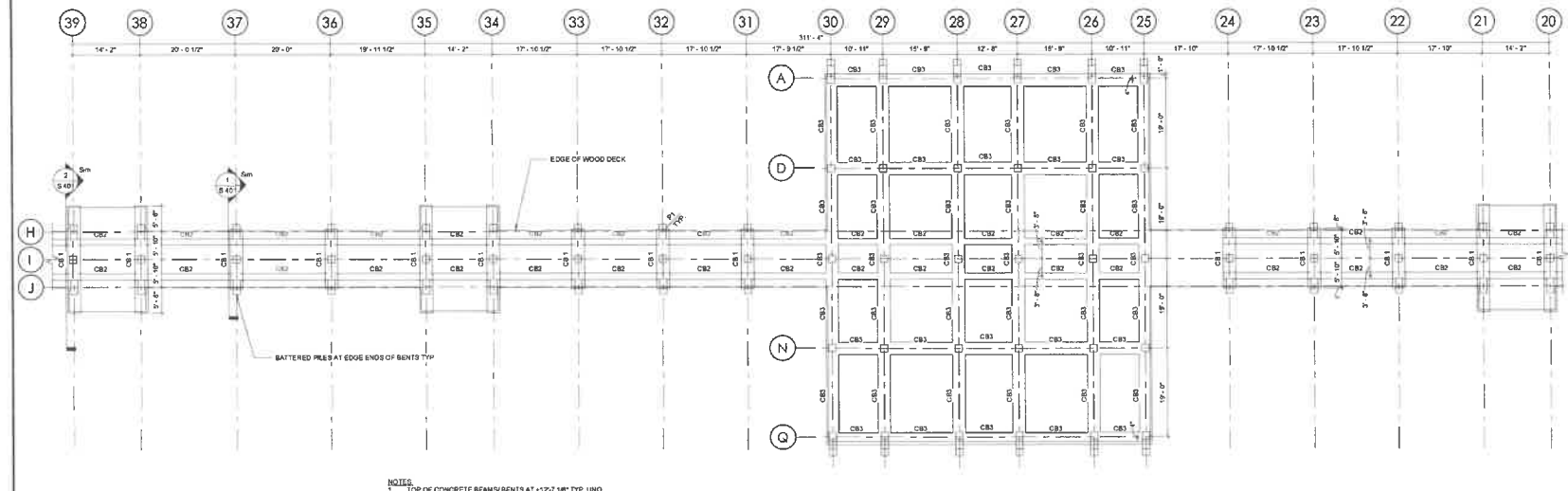
OVERALL PLAN VIEW

REVISION NO
S.101

ATTACHMENT A - PLANT SET REPLACEMENT



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



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



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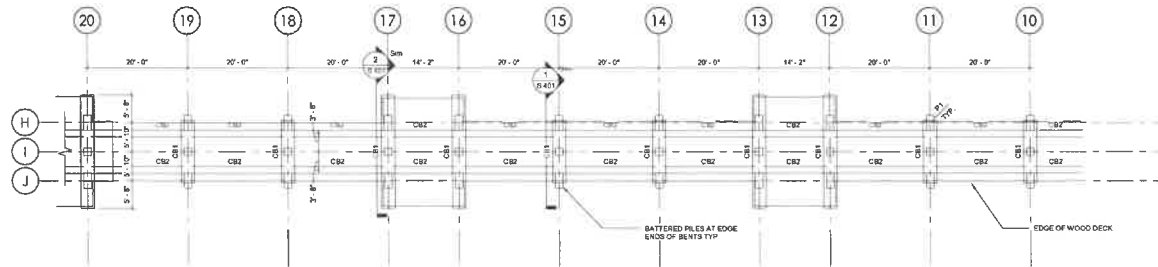
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ENLARGED PLANS

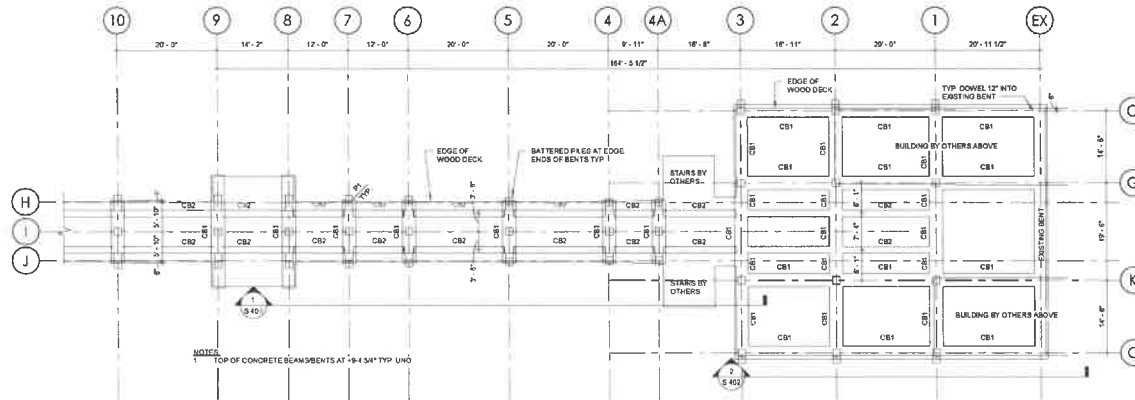
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S.101A

ATTACHMENT A - PLANT SET REPLACEMENT



NOTES:
1. TOP OF CONCRETE BEAMS/BENTS AT 12'-7 1/8" TYP. UNO

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



NOTES:
1. TOP OF CONCRETE BEAMS/BENTS AT 14'-4 3/4" TYP. UNO

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



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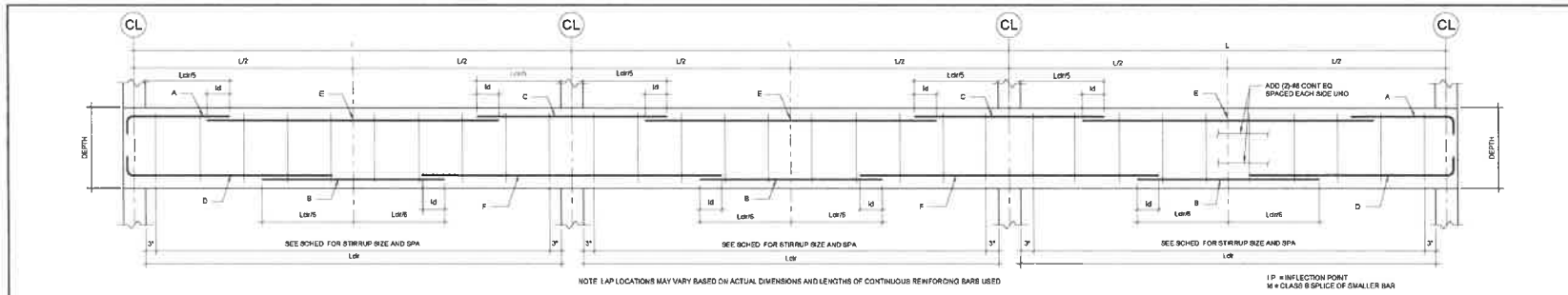
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ENLARGED
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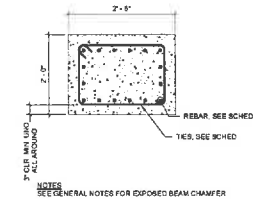
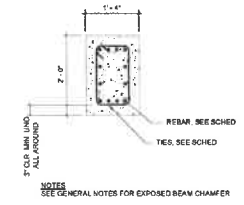
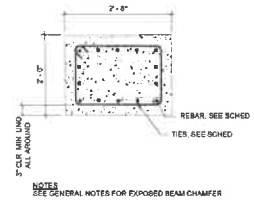
S.101B

ATTACHMENT A - PLANT SET REPLACEMENT



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

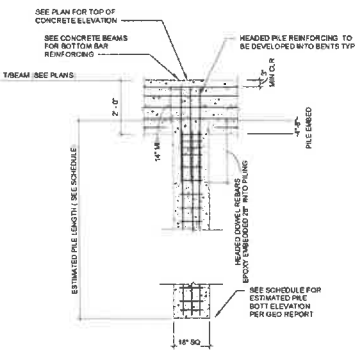
Type Mark	SIZE (in)		HORIZONTAL REINFORCEMENT						STIRRUPS SPACING FROM EACH END	REMARKS	
	WIDTH	DEPTH	A	B	C	D	E	F			REBAR
CB1	24	24	(3) #8	(3) #8	(3) #8	(3) #8	(3) #8	(3) #8	2	1'-0"	ADD (2) #8 CONT. EQ. SPACED EACH SIDE LINO
CB2	18	24	(3) #8	(3) #8	(3) #8	(3) #8	(3) #8	(3) #8	2	6"	ADD (2) #8 CONT. ON EACH SIDE FACE
CB3	32	24	(3) #8	(3) #8	(3) #8	(3) #8	(3) #8	(3) #8	2	1'-0"	ADD (2) #8 CONT. ON EACH SIDE FACE



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

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

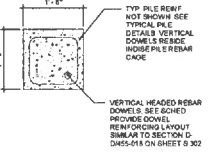
4 CB3
SCALE 3/4" = 1'-0"



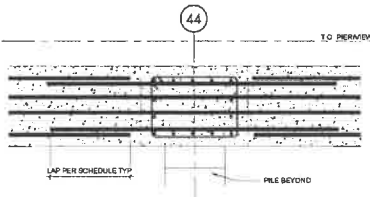
5 TYPICAL DRIVEN PRECAST PILE
SCALE 1/2" = 1'-0"

CONCRETE PILE DOWEL SCHEDULE	
MARK	DOWELS
P1	(4) #8

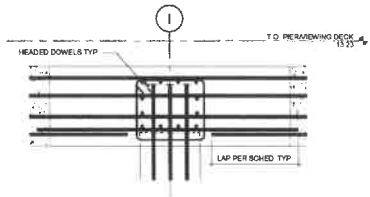
NOTES
1 CONCRETE PILES AND PRECAST PILES SET IN CONCRETE



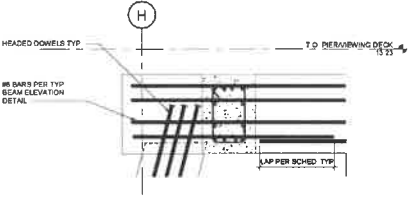
6 P1 - DOWELS AT TOP OF PILE
SCALE 3/4" = 1'-0"



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



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



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



NAPLES PIER RECONSTRUCTION

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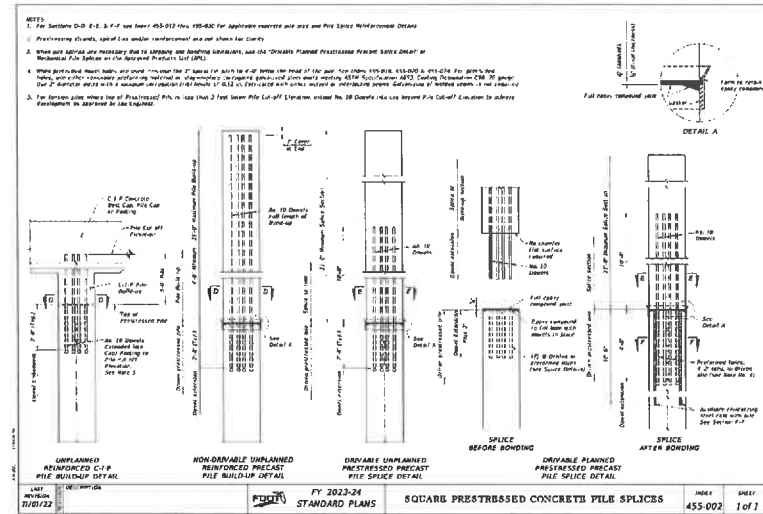
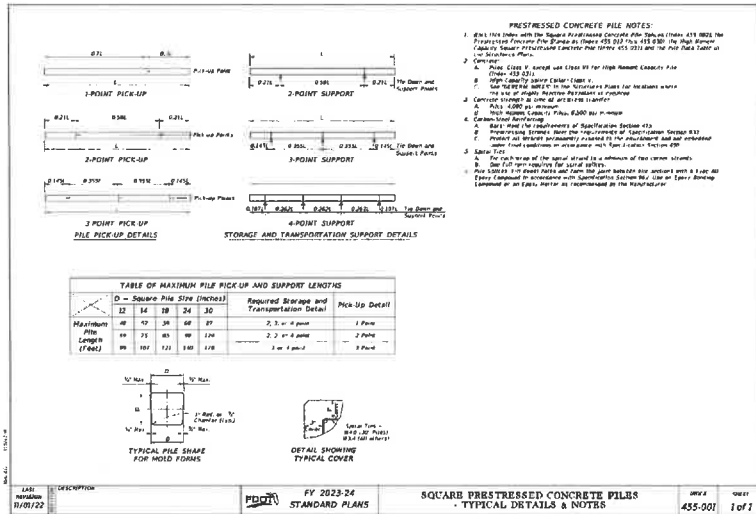
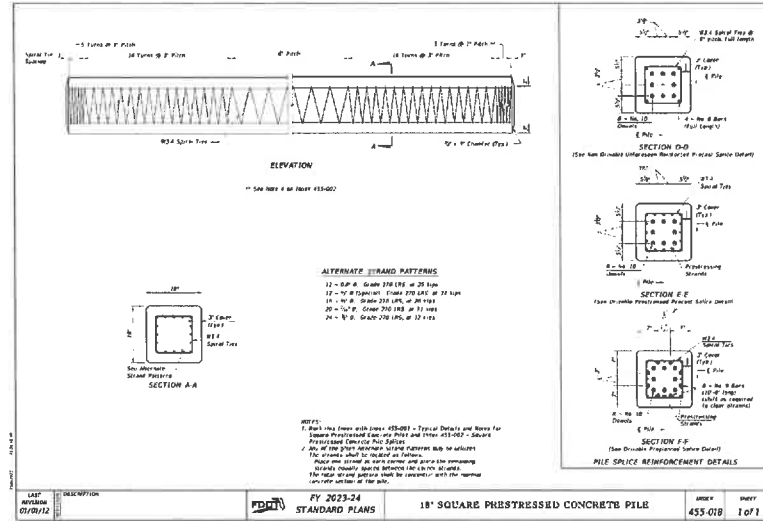
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CHECKED BY: EVETTE, A.
CLIENT PROJ NO: THA 1558.06
OSBORN PROJ NO: 20220978.000

TYPICAL DETAILS

DATE: 10/20/2023
S.301

ATTACHMENT A - PLANT SET REPLACEMENT



OSBORN ENGINEERING
 1500 N.W. 10th St., Suite 100
 Fort Lauderdale, FL 33304
 FL CCR 21861

NAPLES PIER RECONSTRUCTION

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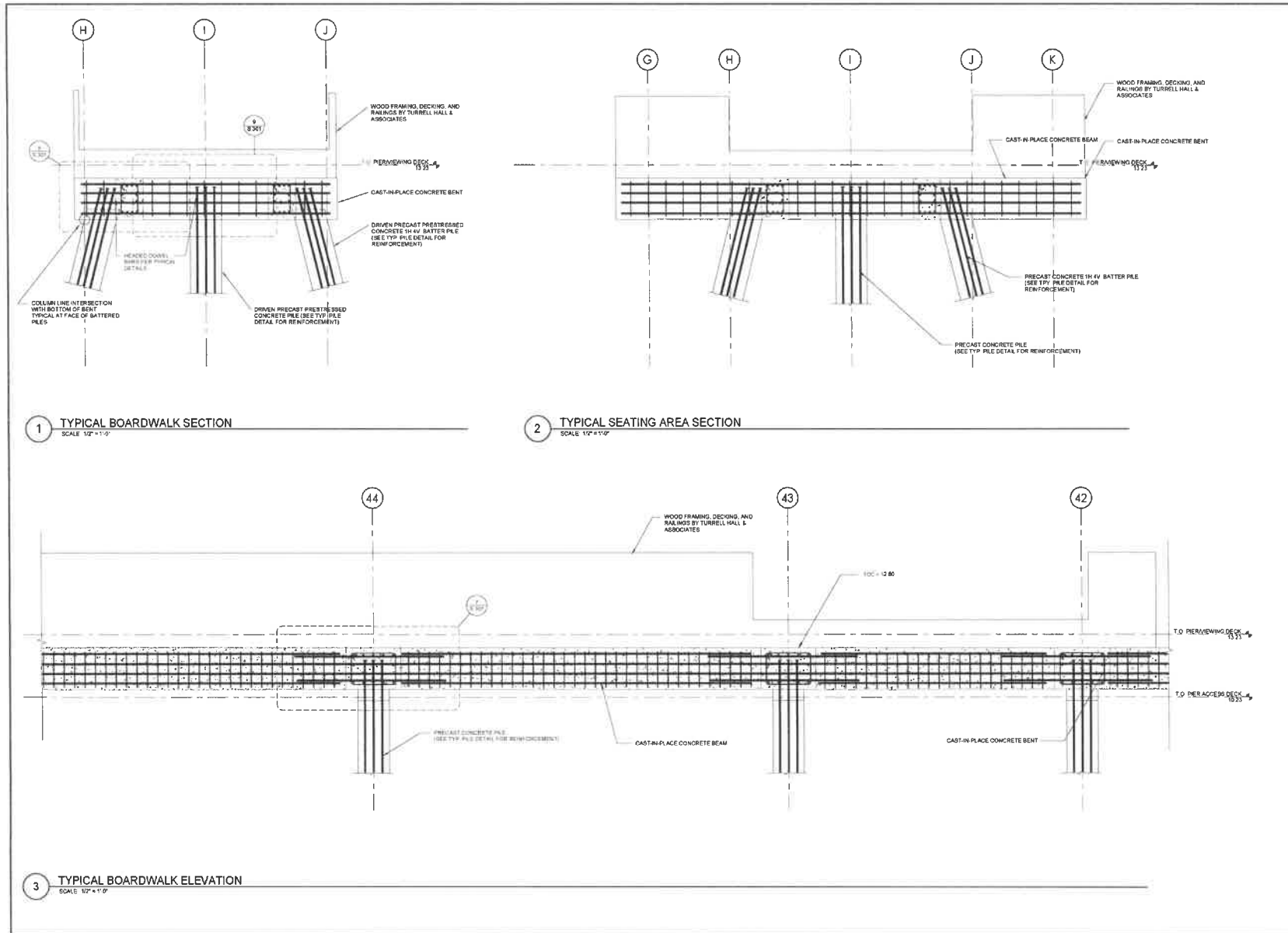
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DESIGNED BY: BTO LANE, M.
 CHECKED BY: SUZANNE M. BOWEN, M.
 CLIENT PROJECT NO.: THA 1550 06
 OSBORN PROJECT NO.: 2022070100

PRESTRESSED CONCRETE PILE TYPICAL DETAILS

DRAWING NO. S.302

ATTACHMENT A - PLANT SET REPLACEMENT



NAPLES PIER RECONSTRUCTION

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CLIENT PROJ. NO.	THA 1558.06
OSBORN PROJ. NO.	20230676.000

STRUCTURAL SECTIONS

DRAWING NO
S.401

ATTACHMENT A - PLANT SET REPLACEMENT



NAPLES PIER
RECONSTRUCTION

The City of Naples

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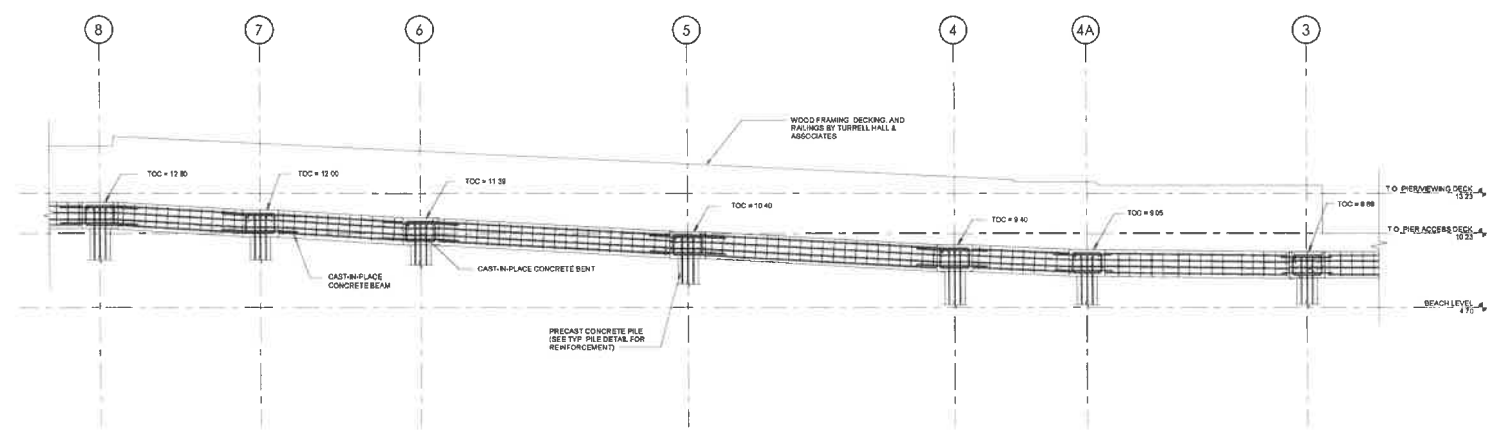
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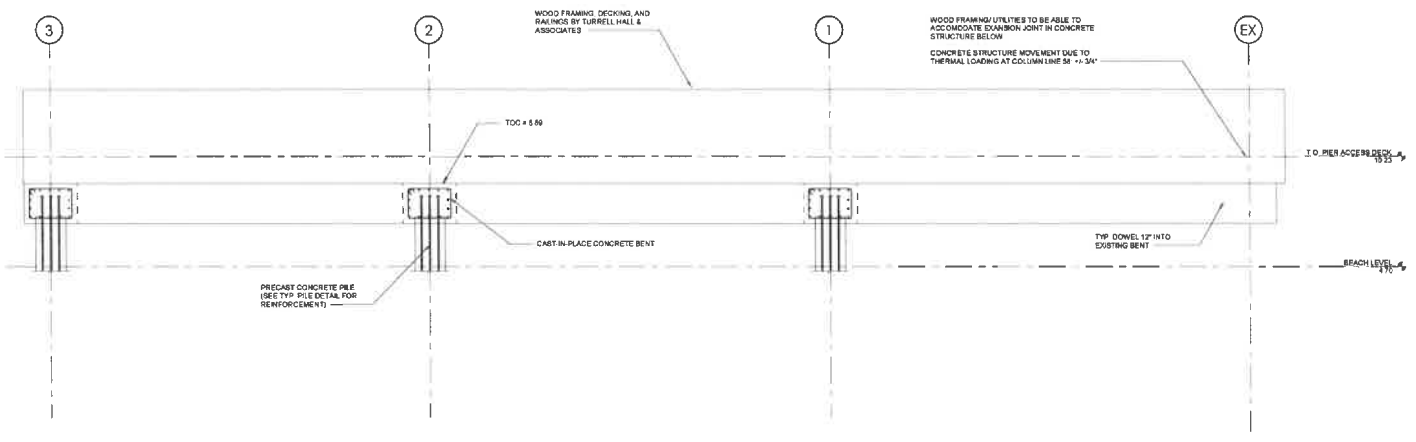
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CLIENT PROJ NO: TNA 1556 08
OSBORN PROJ NO: 2022078.000

STRUCTURAL
SECTIONS

S.402



1 PIER ACCESS RAMP TO BOARDWALK ELEVATION
SCALE 1/4" = 1'-0"



2 PIER ACCESS SOUTH ELEVATION
SCALE 3/8" = 1'-0"