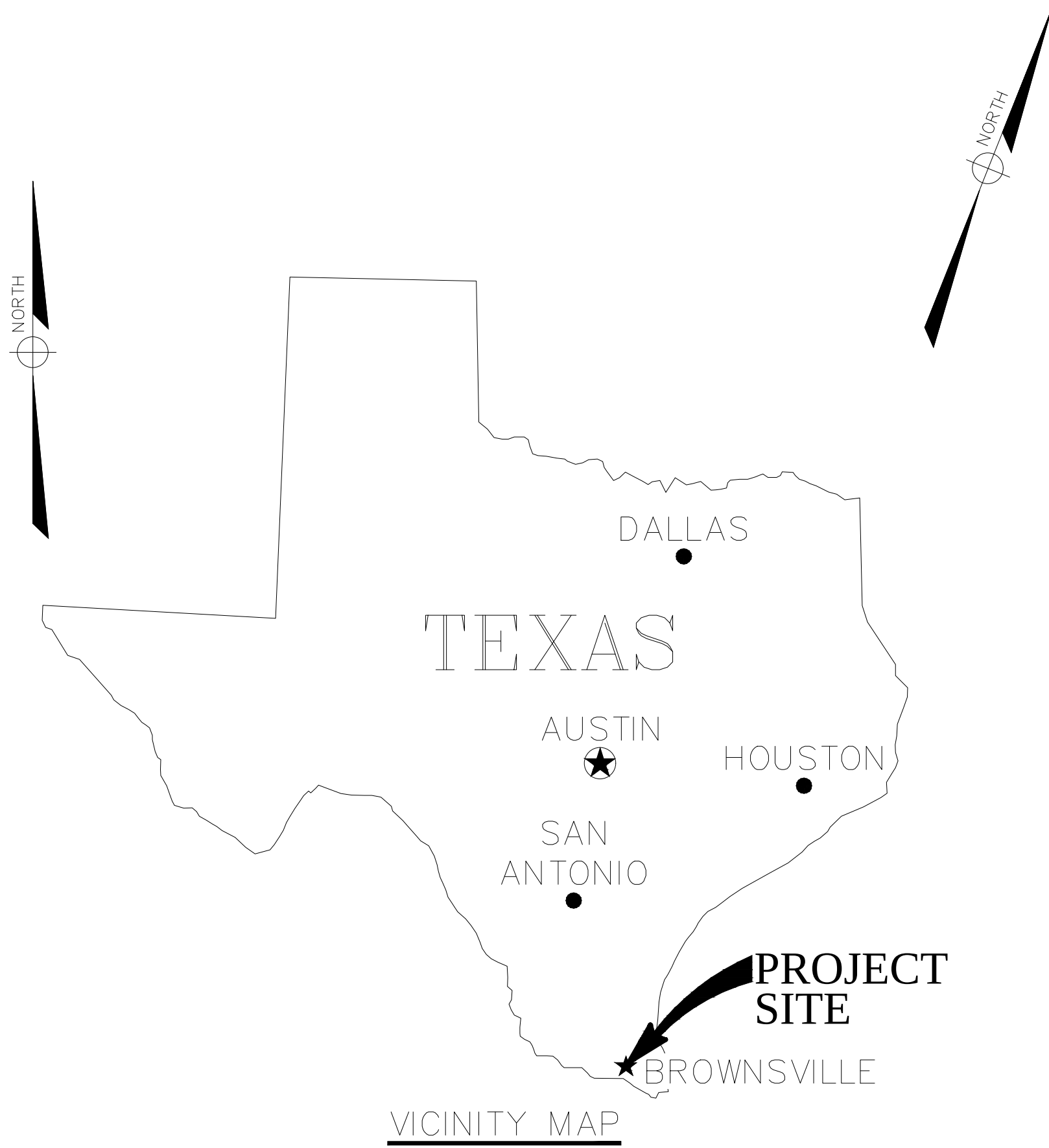


PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
BROWNSVILLE, TEXAS

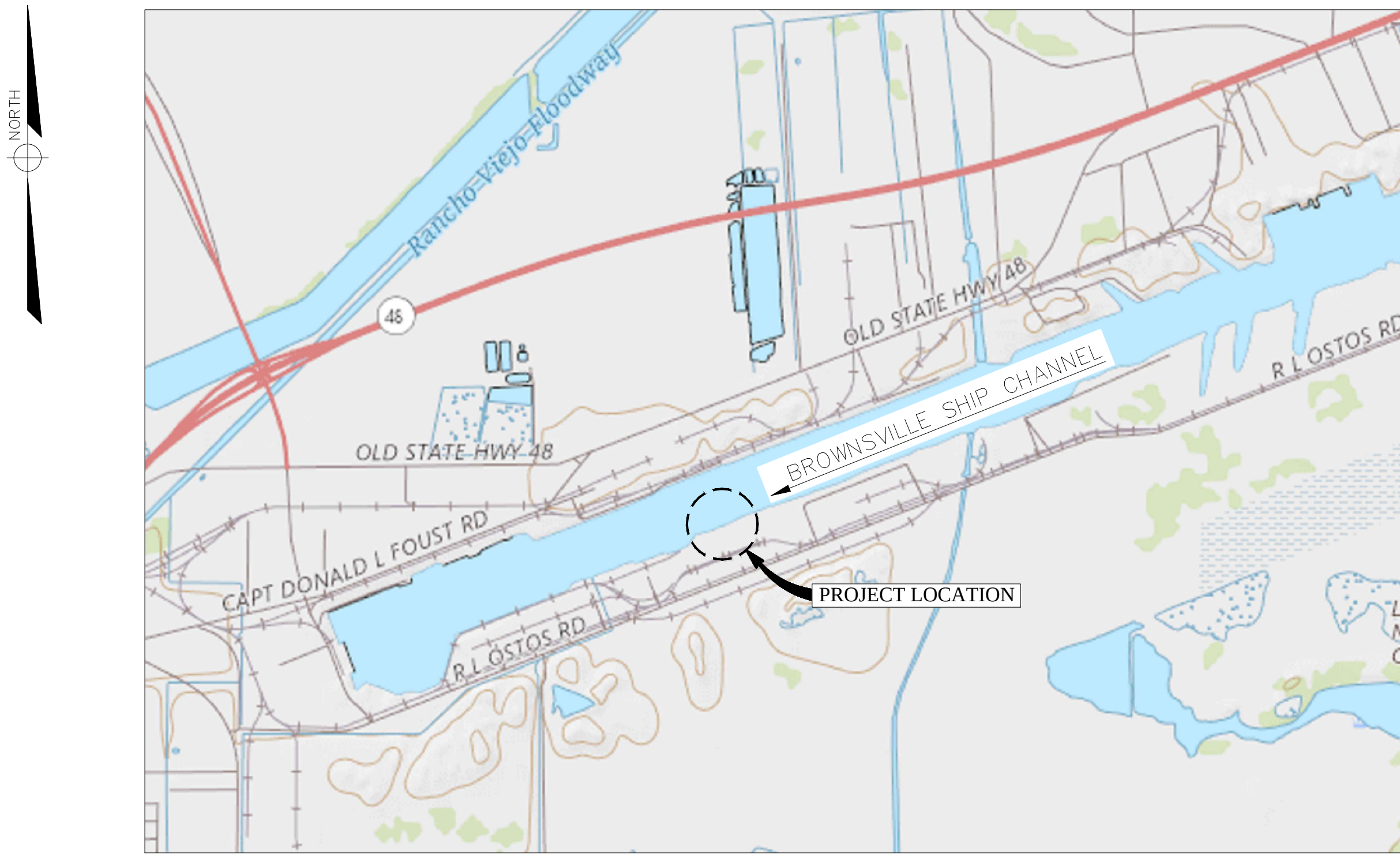


VICINITY MAP



SITE MAP
SCALE: N.T.S

DRAWING INDEX	
DRAWING	DESCRIPTION
BBCD-8519-41-CS001	COVER SHEET AND DRAWING INDEX
BBCD-8519-41-GA001	GENERAL ARRANGEMENT
BBCD-8519-41-GN001	GENERAL NOTES
BBCD-8519-41-S001	PLATFORMS 1A AND 1B PLAN
BBCD-8519-41-S002	PLATFORMS 2A AND 2B PLAN
BBCD-8519-41-S003	PLATFORMS 3A AND 3B PLAN
BBCD-8519-41-S004	PLATFORMS 4A AND 4B PLAN
BBCD-8519-41-S005	PLATFORMS 5A AND 5B PLAN
BBCD-8519-41-S006	PLATFORMS 6A AND 6B PLAN
BBCD-8519-41-S007	PLATFORMS 7A AND 7B PLAN
BBCD-8519-41-S008	PLATFORMS 8A AND 8B PLAN
BBCD-8519-41-S009	PLATFORMS 9A AND 9B PLAN
BBCD-8519-41-S010	PLATFORMS 10A AND 10B PLAN
BBCD-8519-41-S011	PLATFORMS 11A AND 11B PLAN
BBCD-8519-41-S012	PLATFORMS 12A AND 12B PLAN
BBCD-8519-41-S013	PLATFORMS 13A AND 13B PLAN
BBCD-8519-41-S014	PLATFORMS A & B DETAILS AND SECTIONS
BBCD-8519-41-S015	PLATFORMS CONNECTION SECTIONS



PROJECT LOCATION MAP

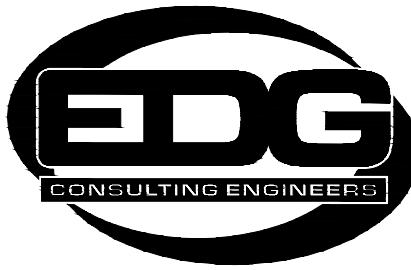
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TX. LICENSE NO. 111211

EDG, INC. F-2480

REV.	DESCRIPTION	BY	CHK'D	APP'D	DATE	DRAWN	TLY
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A	ISSUED FOR REVIEW	TLY	DRK	DRK	06/11/20	CHECKED	DRK

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PORT OF
BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
COVER SHEET AND DRAWING INDEX

JOB NO. 8519.001 DWG. NO. BB CD-8519-41-CS001

1. DESIGN AND CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL/STATE/LOCAL CODES, AND THESE GENERAL NOTES, STATE/LOCAL CODES SHALL TAKE PRECEDENCE OVER GENERAL NOTES.
2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
3. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN. COORDINATE WITH ALL DRAWINGS FOR INFORMATION RELATED TO STRUCTURAL WORK.
4. ALL STRUCTURES ARE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER ERECTION IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
5. ALL EXISTING DIMENSIONS AND ELEVATIONS SHOWN ON DESIGN DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OF MATERIALS. VERIFICATION SHALL BE BY SUBMITTAL OF DWGS TO ENGINEER WITH MEASURED DIMENSIONS & ELEVATIONS CONFIRMING OR DISPUTING INFO. SHOWN ON THE DESIGN DWGS.
6. ALL ITEMS ON THESE DRAWINGS ARE TO BE FABRICATED USING ONLY THE DIMENSIONAL INFORMATION. ANY GRAPHICAL REPRESENTATION USED FOR FABRICATION PURPOSES SHOULD BE VERIFIED. THEIR ACCURACY FOR THAT USAGE IS THE RESPONSIBILITY OF THE FABRICATOR.
7. DEMOLISHED EQUIPMENT AND MATERIAL TO BE DISPOSED OF BY CONTRACTOR.
8. GOVERNING CODE(S):

9. DESIGN LOADS

LOADS:	
DESIGN AREA LIVE LOAD:	25 PSF
3 FT WIDE GANGWAY DEAD LOAD:	10 KIP CONCENTRATED POINT LOAD PSF

SPECIFICATIONS: DESIGN, FABRICATION, AND ERECTION ARE TO BE GOVERNED BY THE LATEST REVISIONS OF THE FOLLOWING U.N.O.:

- A. AISC CODE OF STANDARD PRACTICE.
- B. AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
- C. STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY. WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1.

2. MATERIALS:

- A. WIDE FLANGE AND WT SHAPES SHALL BE ASTM A992, $F_y = 50$ KSI, U.N.O. ALL OTHER HOT-ROLLED SHAPES SHALL BE ASTM A36, $F_y = 36$ KSI, U.N.O. STEEL PIPES SHALL BE ASTM A53 GRADE B, TYPE-S (SEAMLESS) GRADE B OR API 5L, GR.B (35KSI), SEAMLESS OR API 5L, GRADE X52 (GR.50). HOLLOW STRUCTURAL SECTIONS (HSS) SHALL BE ASTM A500, GRADE B, U.N.O. PLATES AND BARS SHALL BE ASTM A36, GR. 36 U.N.O.
- B. ALL BOLTS SHALL BE F3125 GR. A325 WITH HARDENED WASHERS AND HEAVY HEX NUTS U.N.O. BOLTS SHALL BE TYPE "N" BEARING WITH THREADS INCLUDED IN THE SHEAR PLANE. ALL BOLT HOLES SHALL BE $1/16"$ LARGER THAN THE BOLT DIAMETER U.N.O. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED, PER ASTM A153 U.N.O.

3. ALL STEEL IS NEW UNLESS NOTED OTHERWISE.

4. WELDS:

- A. ALL WELDS SHALL BE E70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1. USE HIGHER STRENGTH ELECTRODE IF REQUIRED BY AWS D1.1.
- B. MINIMUM SIZE OF FILLET WELD SHALL BE $3/16"$ UNLESS NOTED OTHERWISE.
- C. SEAL WELD AROUND ALL WELDED CONNECTIONS WHERE WELDING IS NOT INDICATED TO PROVIDE WATERTIGHT CONNECTION.
- D. ALL WELDED CONNECTIONS TO BE FULL PENETRATION WELDS AND TO DEVELOP FULL CAPACITY OF MEMBERS UNLESS OTHERWISE NOTED.
- E. ALL WELDS MAY BE SUBJECTED TO NON-DESTRUCTIVE TESTING BY AN INDEPENDENT LABORATORY.

5. COATING/PAINTING:

- A. ALL NEW STEEL SHALL BE COATED WITH 16 MILS OF COAL TAR EPOXY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED.
- B. AFTER ERECTION CONTRACTOR SHALL "TOUCH UP" APPROVED COATING ALL ABRADED AREAS.

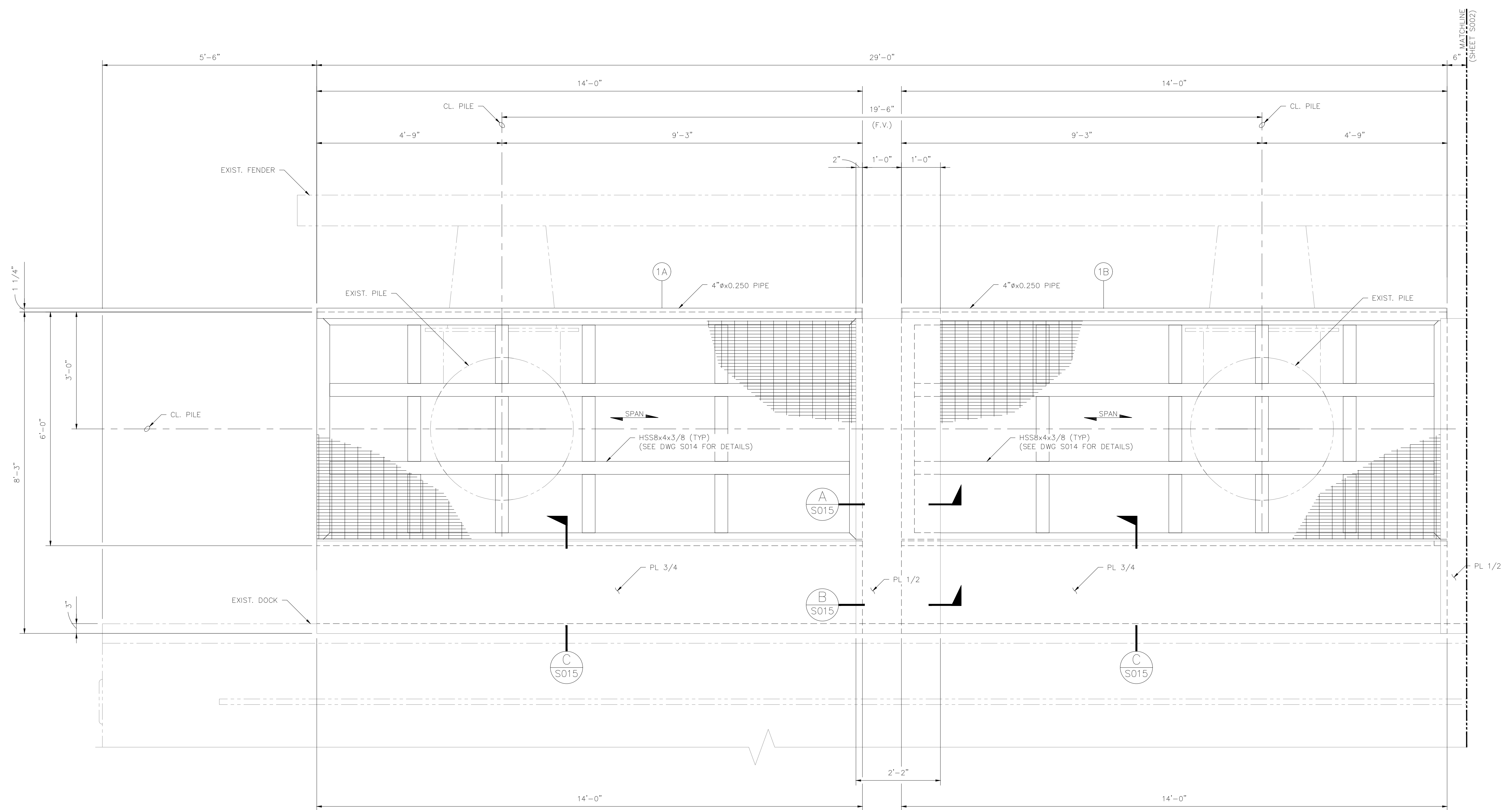
6. MISCELLANEOUS:

- A. OBTAIN APPROVAL OF ENGINEERING PRIOR TO CUTTING OPENING IN ANY MEMBER.

7. NO MATERIAL OR MEMBER SIZE SUBSTITUTIONS MAY BE MADE WITHOUT APPROVAL OF SUPERVISING PROFESSIONAL ENGINEER.

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PRELIMINARY NOT FOR PERMIT, CONSTRUCTION OR FINAL RELEASE DAVID R. KOSLOSKI, P.E. TX. LICENSE NO. 111211														
											PORT OF BROWNSVILLE BULK CARGO DOCK PLATFORMS GENERAL NOTES			
	B	ISSUED FOR BID		TLY	DRK	DRK	09/01/20	APPROVED	DRK					
	A	ISSUED FOR REVIEW		TLY	DRK	DRK	06/11/20	CHECKED	DRK					
EDG, INC. F-2480	REV.	DESCRIPTION	BY	CHK'D	APP'D	DATE	DRAWN	TLY		JOB NO.	8519.001	DWG. NO.	BBCD-8519-41-GN001	

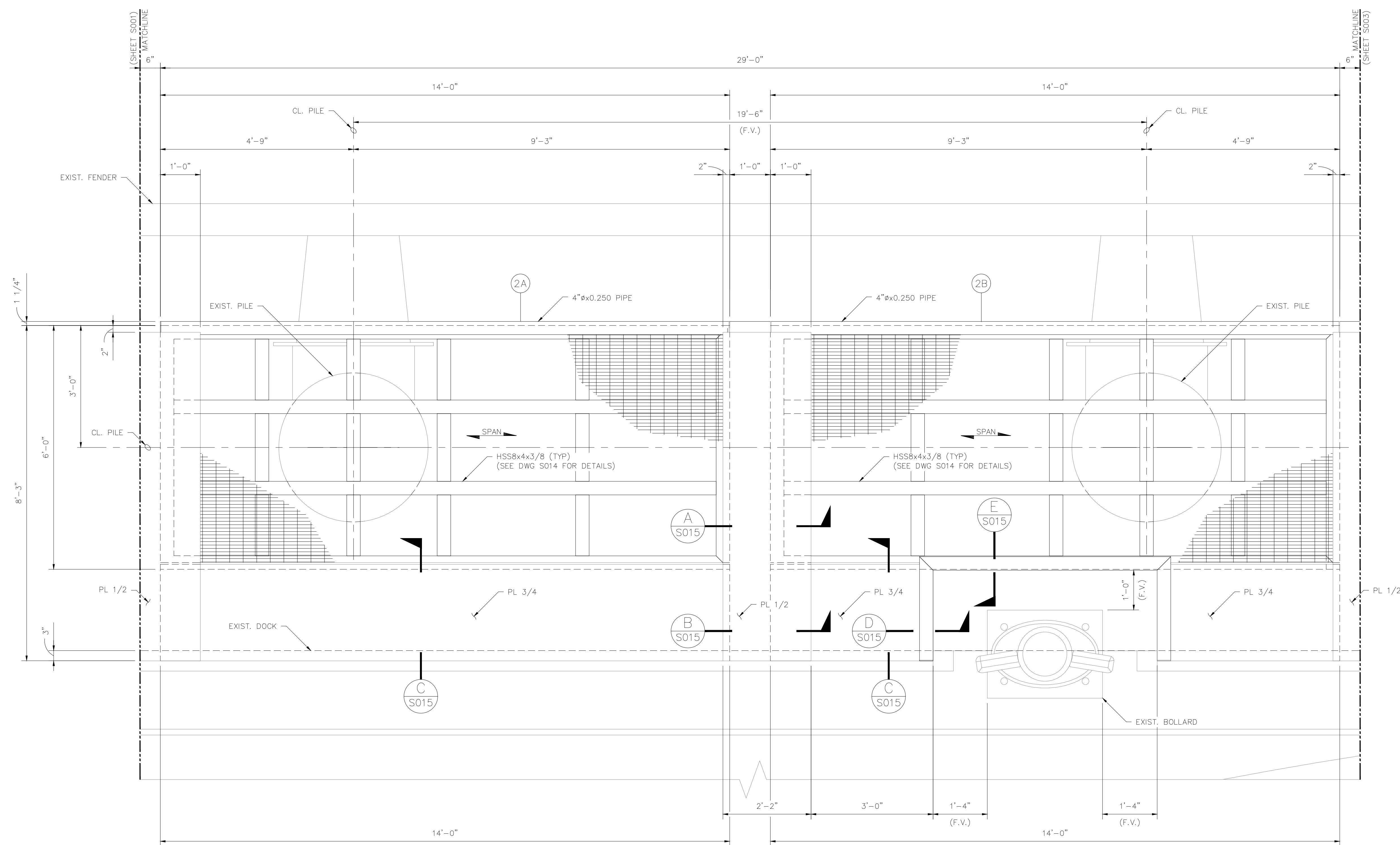


NOTE:

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2. F.V. = CRITICAL DIMENSION, CONTRACTOR SHALL FIELD VERIFY PRIOR TO FABRICATION.
3. SEE DWG. BBGD-8519-41-GN001 FOR STRUCTURAL NOTES.

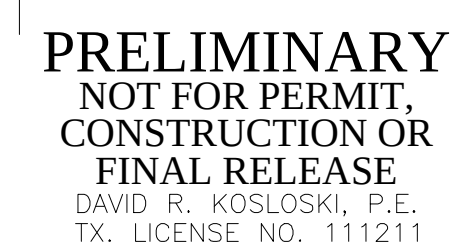
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TX. LICENSE NO. 111211

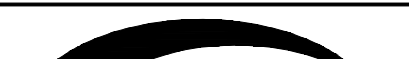
JOB NO.	8519.001	DWG. NO.	BBCD-8519-41-S001	
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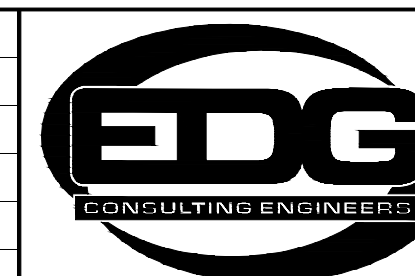


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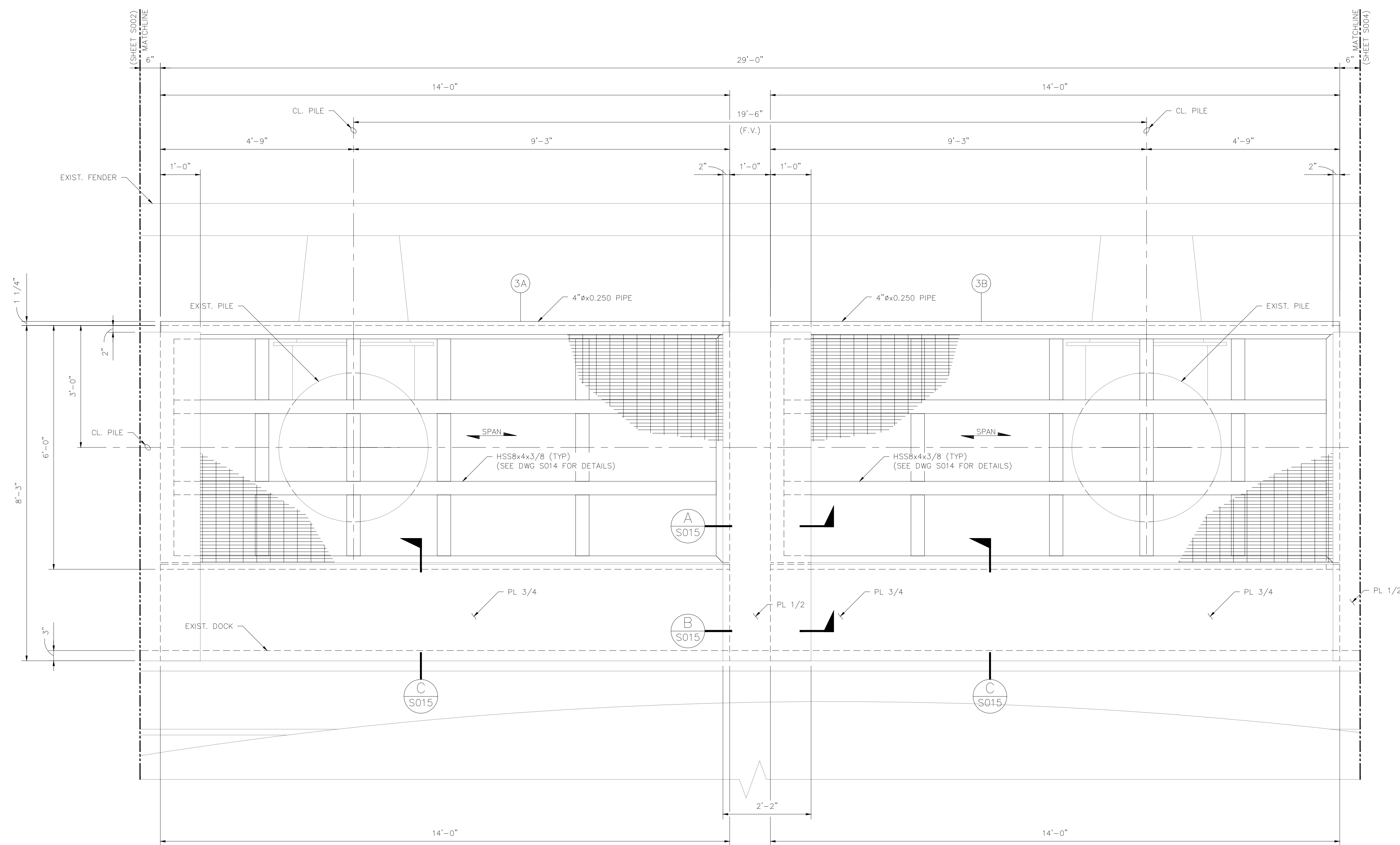


PRELIMINARY NOT FOR PERMIT, CONSTRUCTION OR FINAL RELEASE DAVID R. KOSLOSKI, P.E. TX. LICENSE NO. 111211										PORT OF BROWNSVILLE BULK CARGO DOCK PLATFORMS PLATFORMS 2A AND 2B PLAN							
	B	ISSUED FOR BID				TLY	DRK	DRK		09/01/20	APPROVED	DRK					
	A	ISSUED FOR REVIEW				TLY	DRK	DRK		06/11/20	CHECKED	DRK					
EDG, INC. F-2480	REV.	DESCRIPTION				BY	CHK'D	APP'D	DATE	DRAWN	TLY		JOB NO.	8519.001	DWG. NO.	BBCD-8519-41-S002	



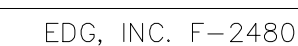
PORT OF 
BROWNSVILLE
the port that works

JOB NO.	8519.001	DWG. NO.	BBCD-8519-41-S002	
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NOTE:

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3. SEE DWG. BBDC-8519-41-GN001 FOR STRUCTURAL NOTES.

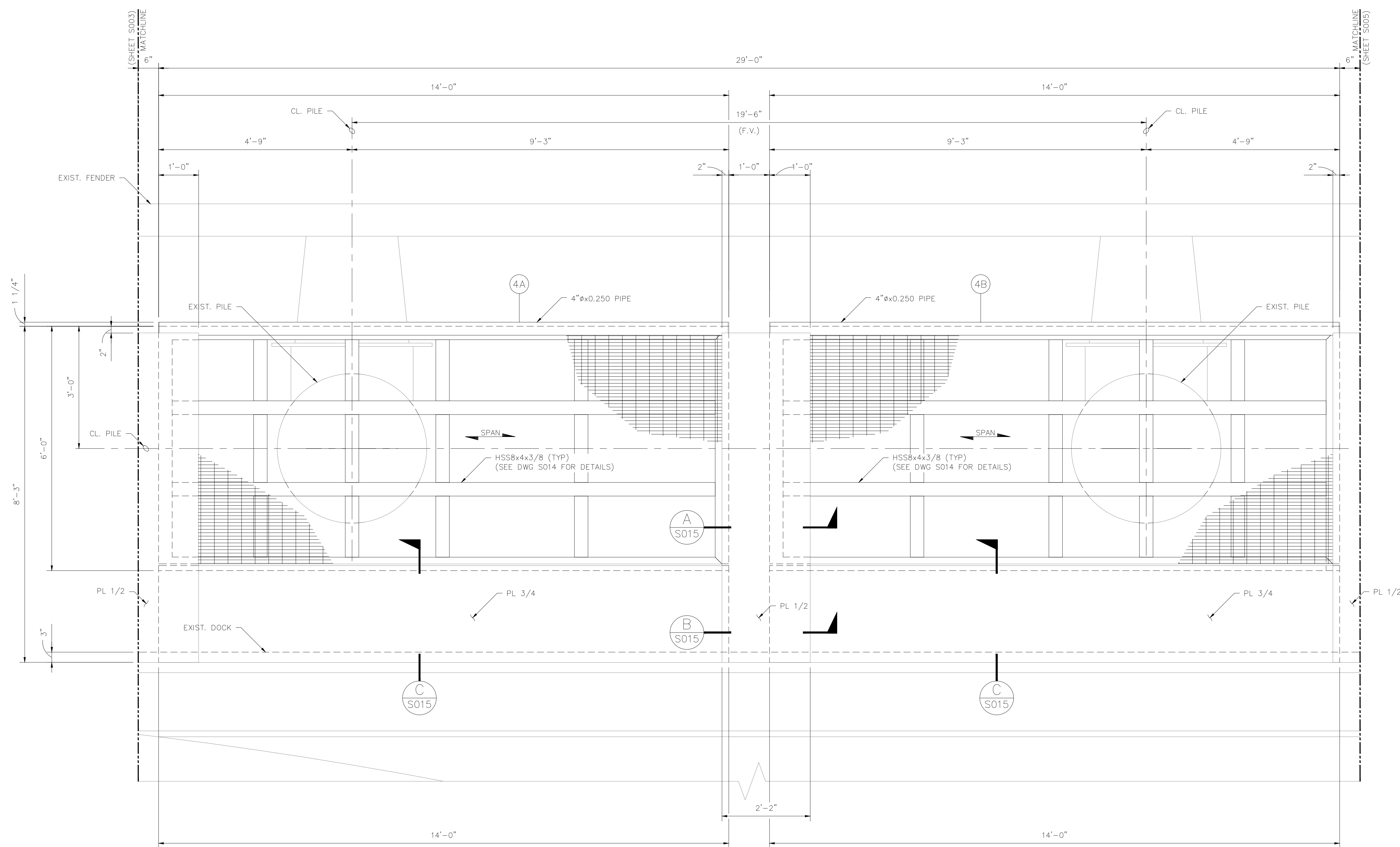


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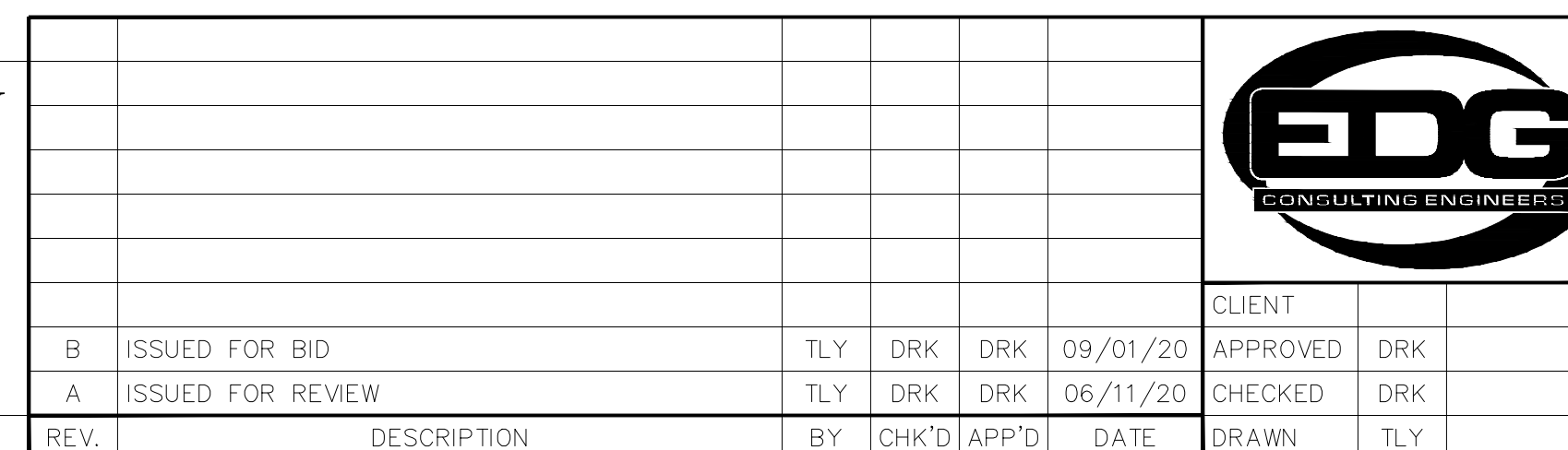
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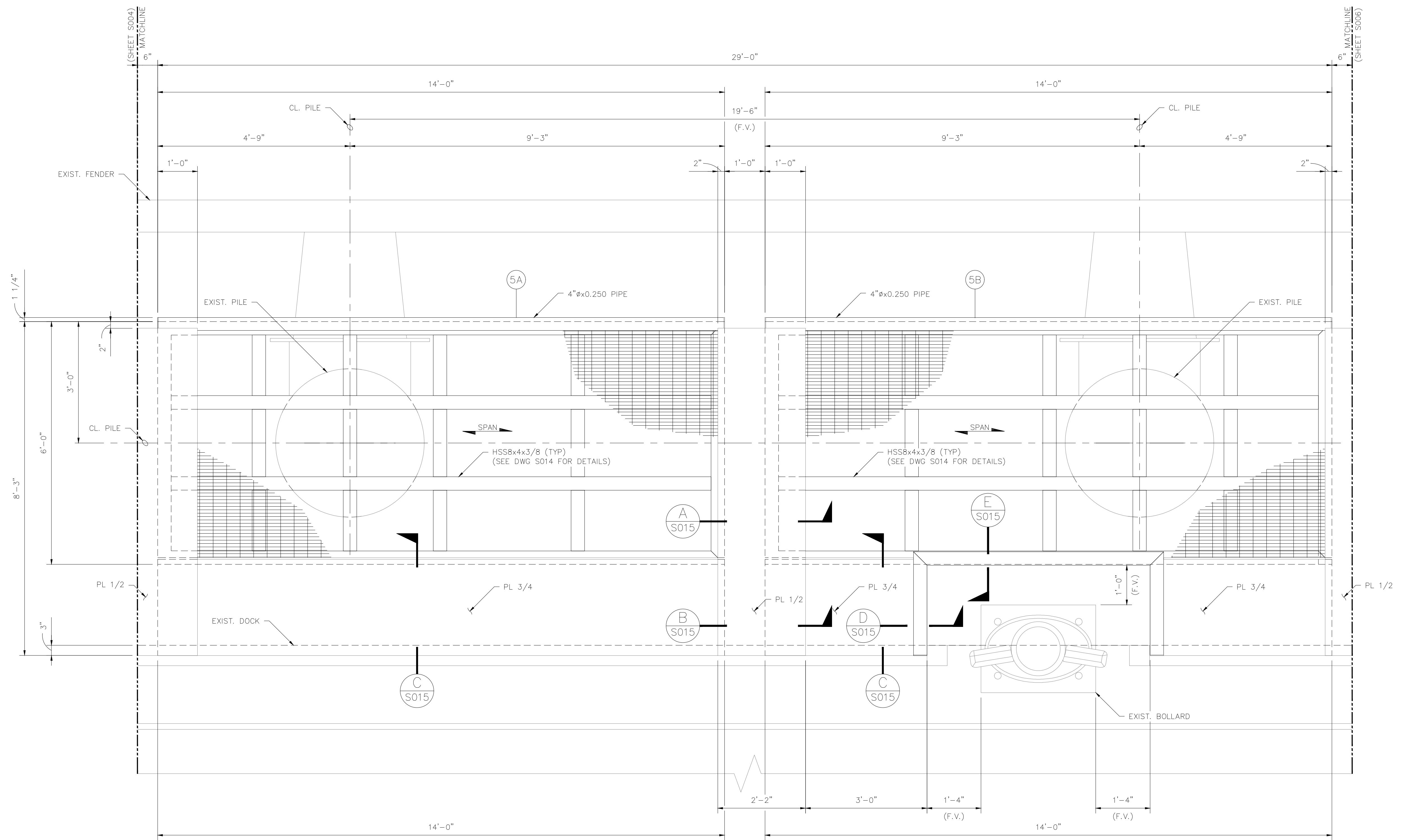
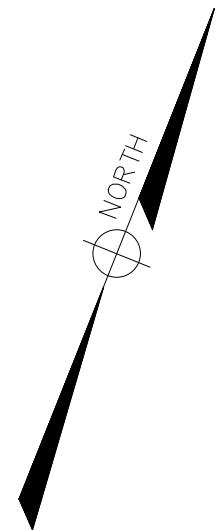


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JOB NO.	8519.001	DWG. NO.	BBCD-8519-41-S004
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PLATFORMS 5A AND 5B
SCALE: 3/4"=1'-0"

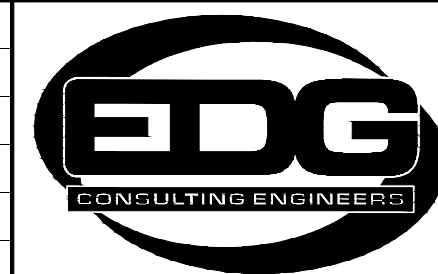
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 3. SEE DWG. BBCE-8519-41-GN001 FOR STRUCTURAL NOTES.

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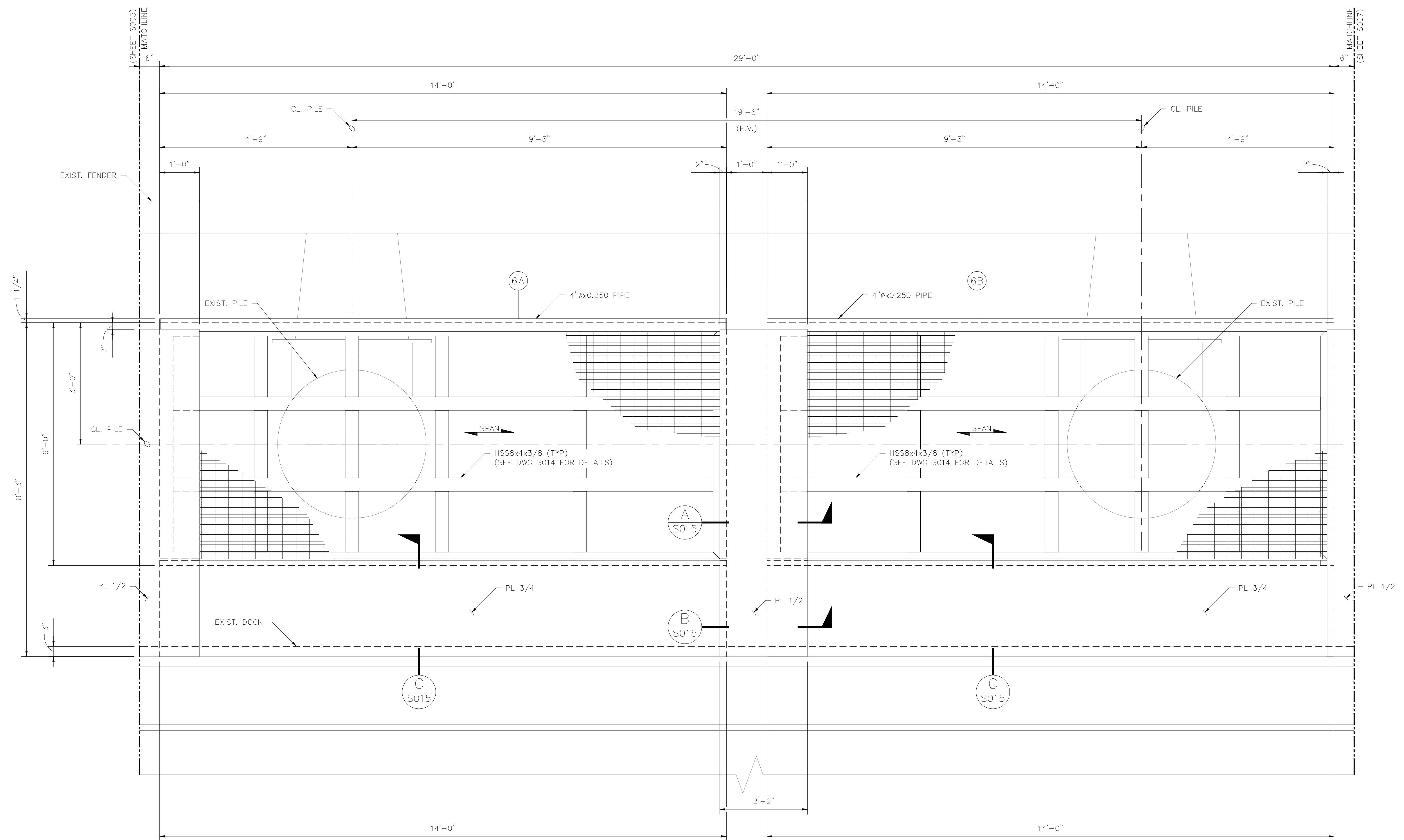
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PORT OF BROWNSVILLE
the port that works

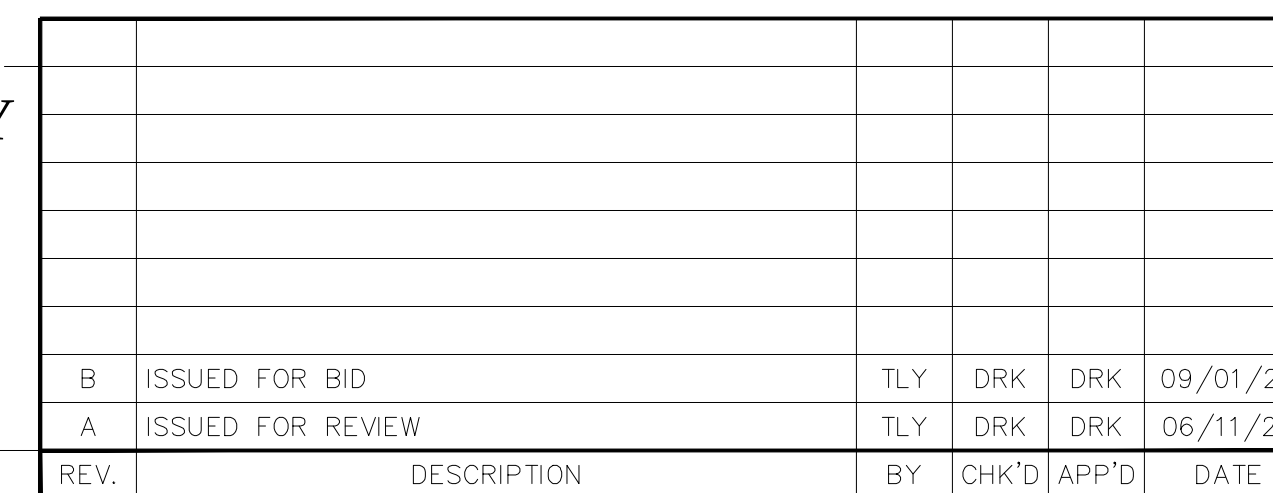
PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORMS 5A AND 5B PLAN

JOB NO. 8519.001 DWG. NO. BBCE-8519-41-S005

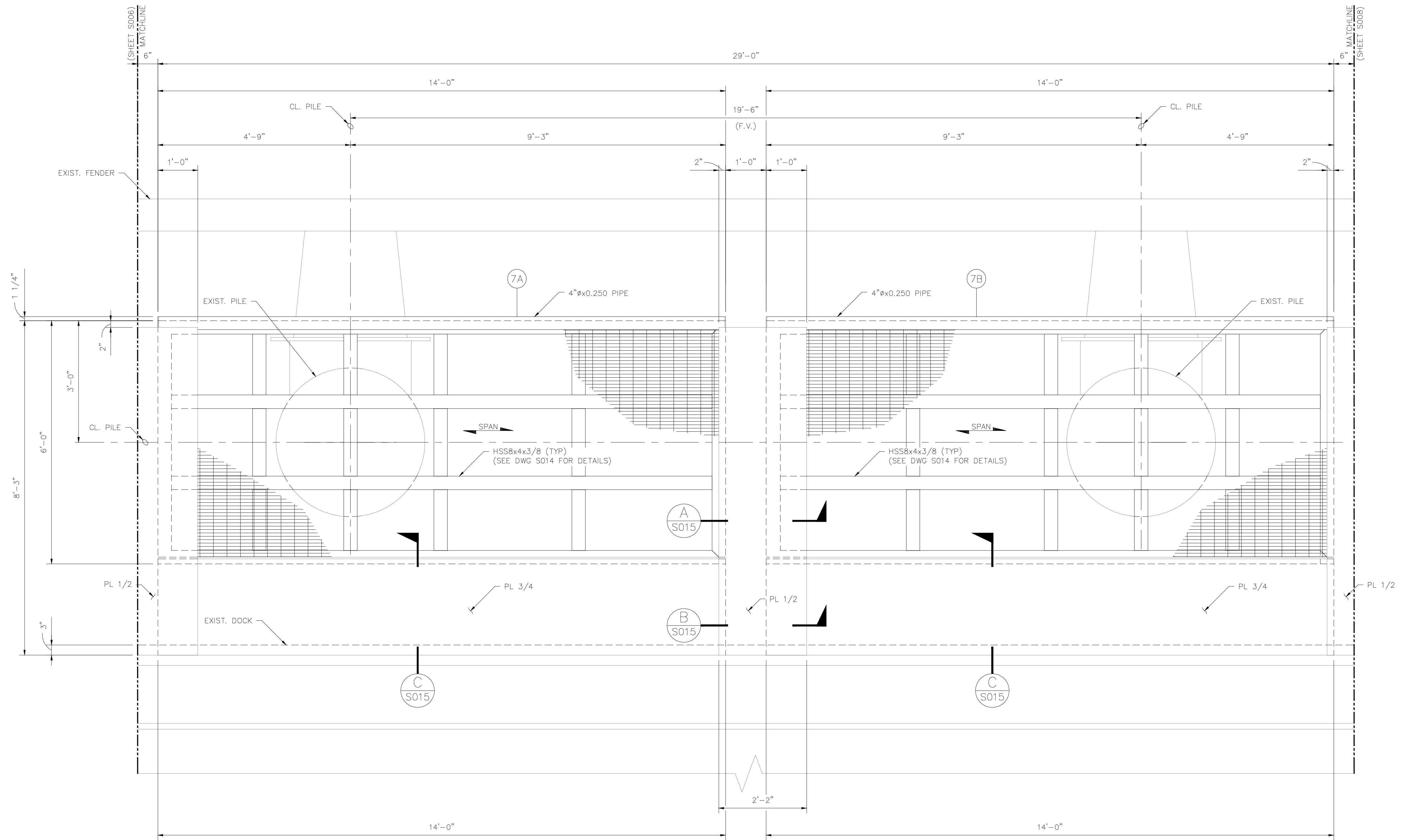
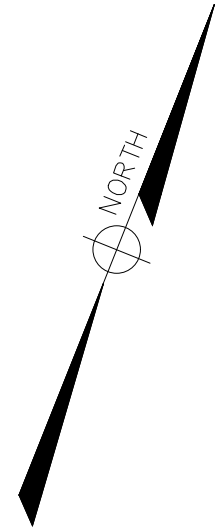


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PLATFORMS 7A AND 7B
SCALE: 3/4"=1'-0"

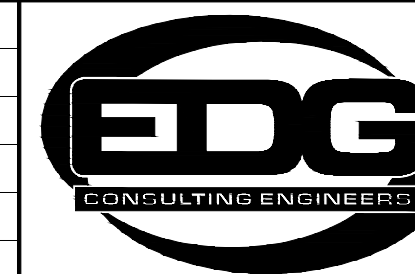
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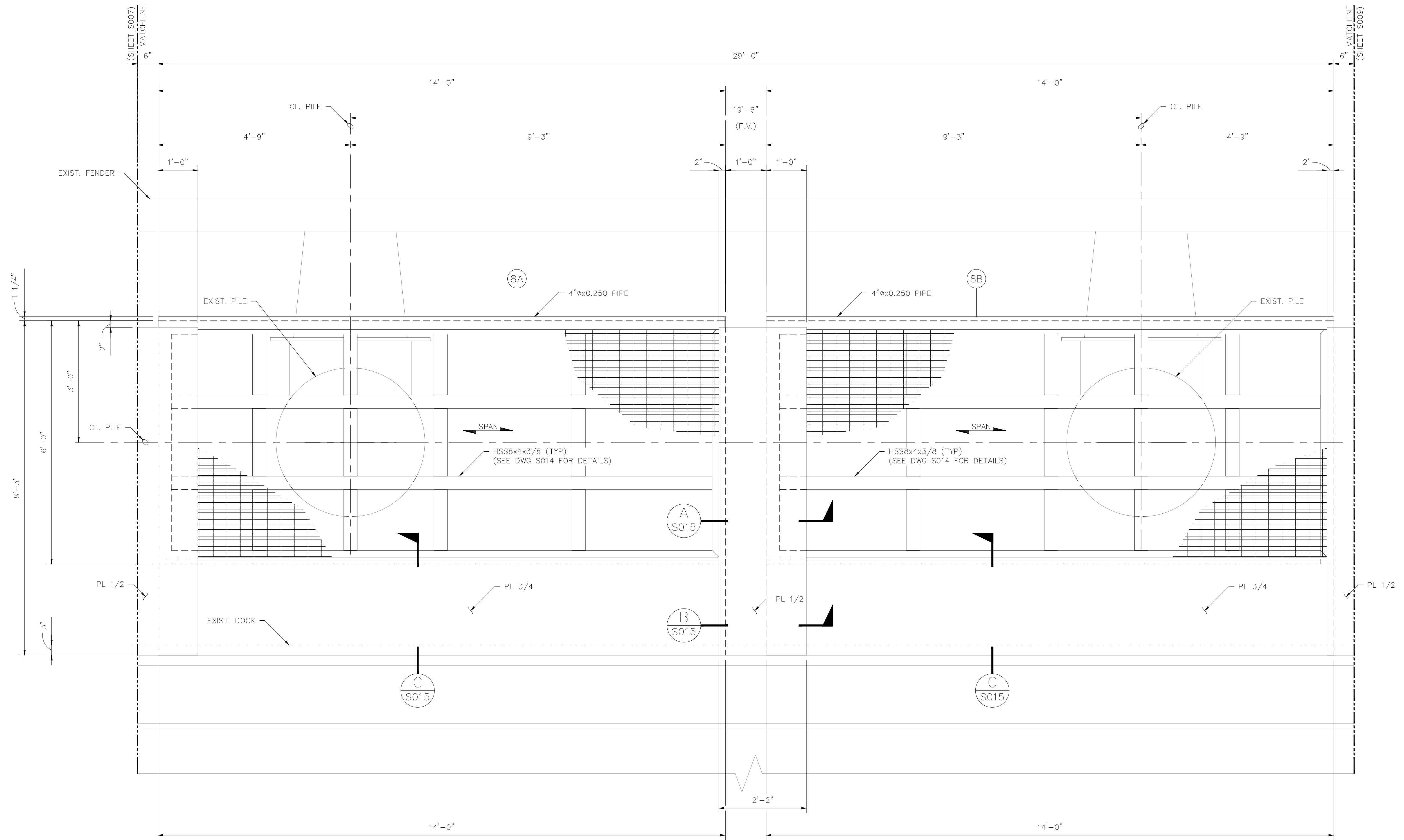
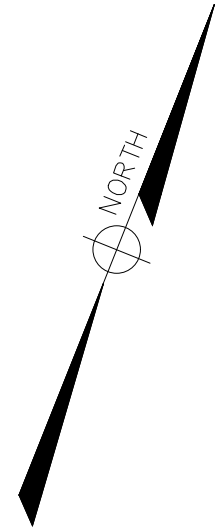
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PORT OF BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORMS 7A AND 7B PLAN

JOB NO. 8519.001 DWG. NO. BBCE-8519-41-S007



PLATFORMS 8A AND 8B
SCALE: 3/4"=1'-0"

- NOTE:
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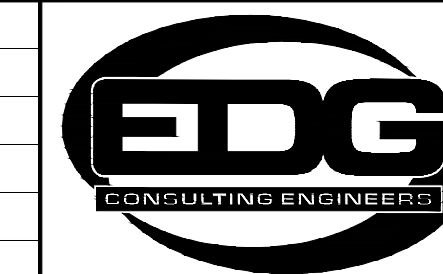
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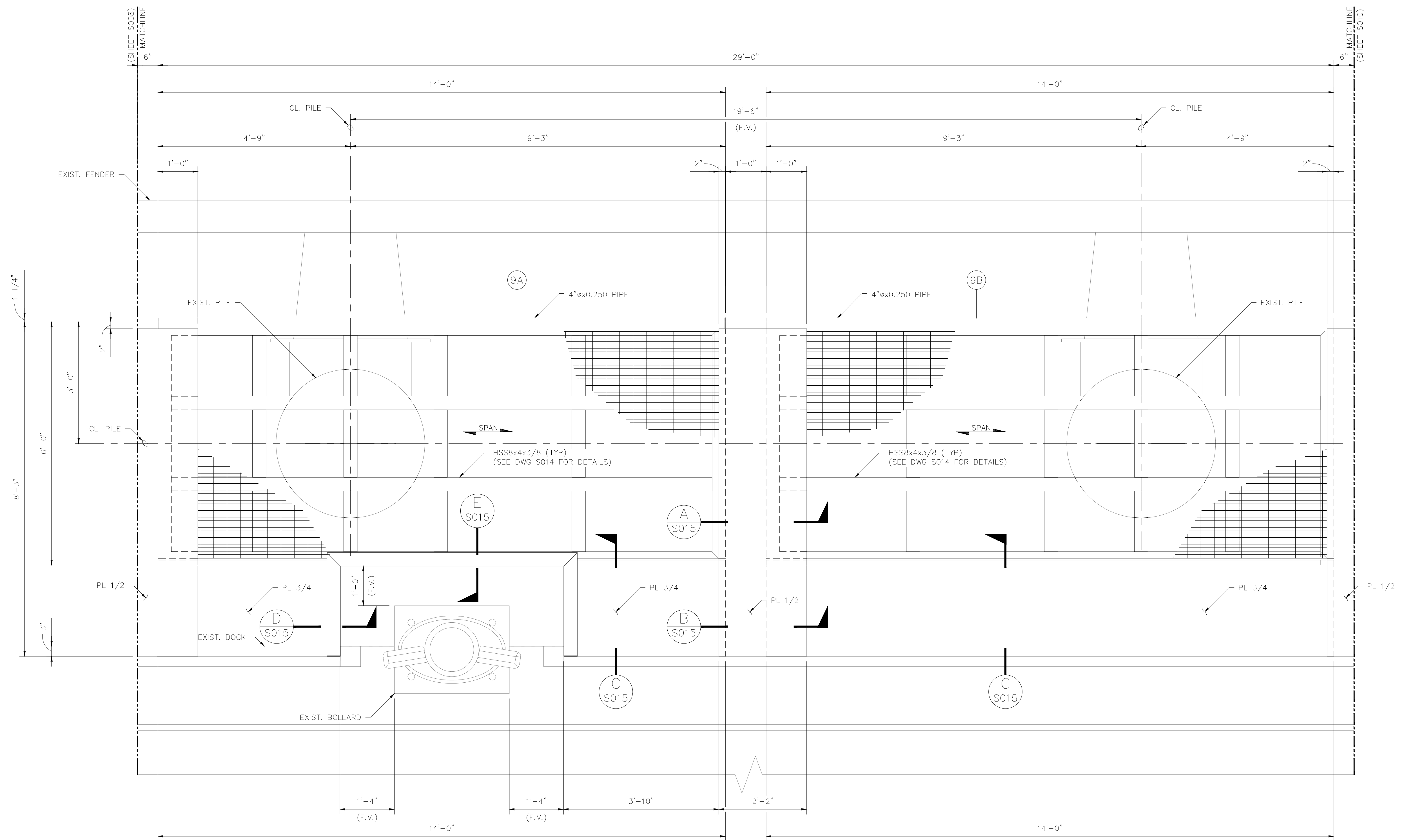
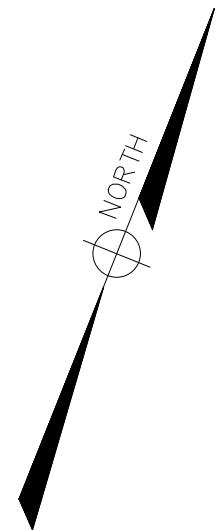
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PORT OF BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORMS 8A AND 8B PLAN

JOB NO. 8519.001 DWG. NO. BBGD-8519-41-S008



PLATFORMS 9A AND 9B
SCALE: 3/4"=1'-0"

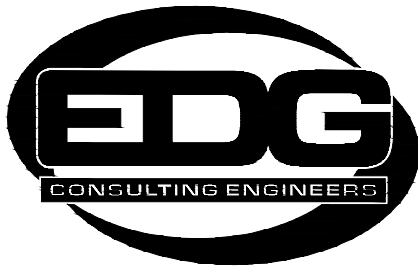
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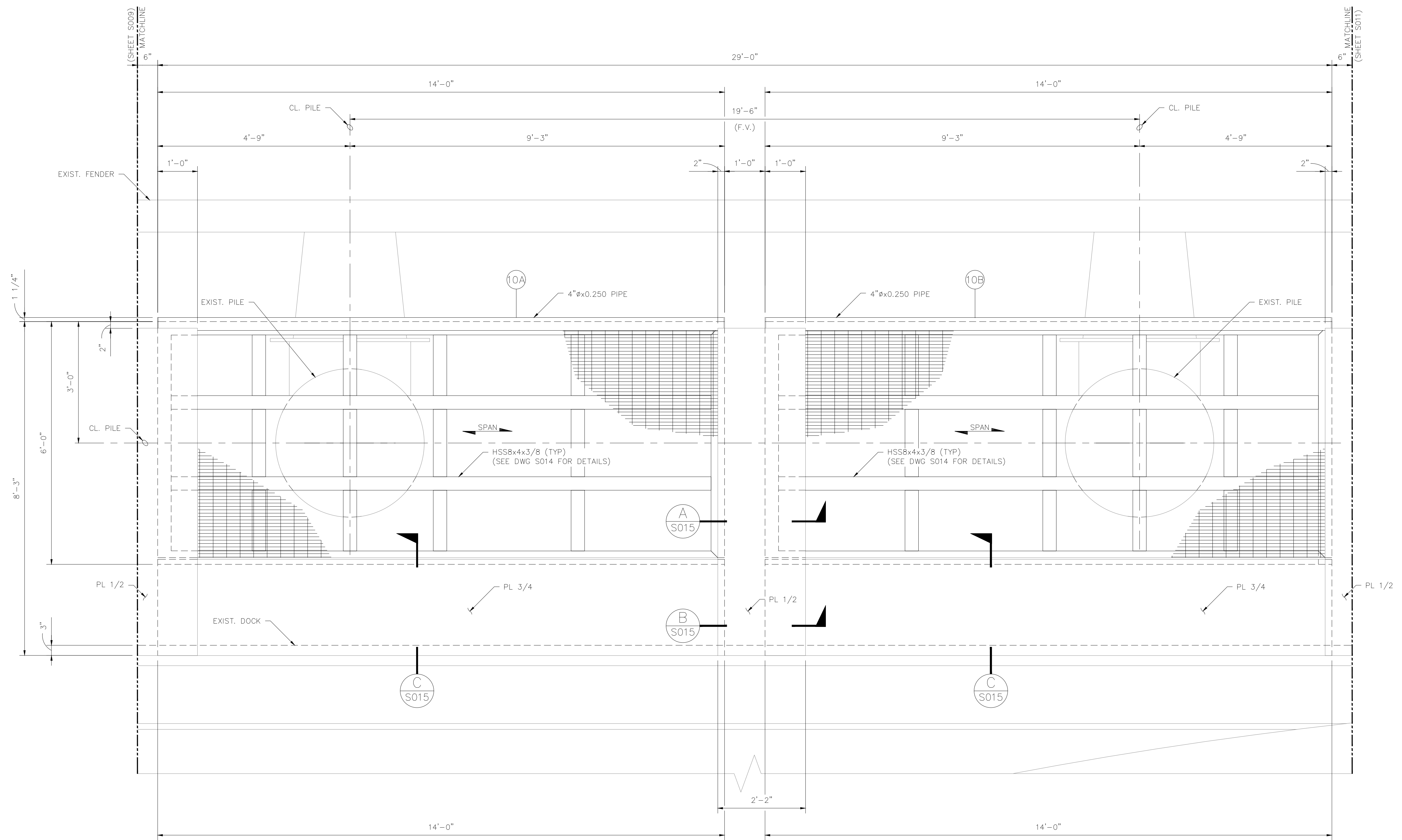
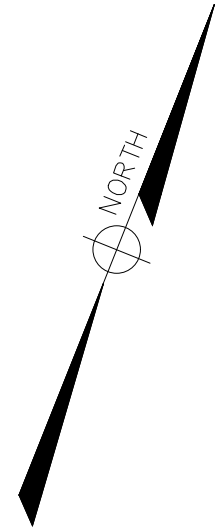


PORT OF BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORMS 9A AND 9B PLAN

JOB NO.	8519.001	DWG. NO.	BBGD-8519-41-S009	1/8
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EDG, INC. F-2480



PLATFORMS 10A AND 10B
SCALE: 3/4"=1'-0"

- NOTE:
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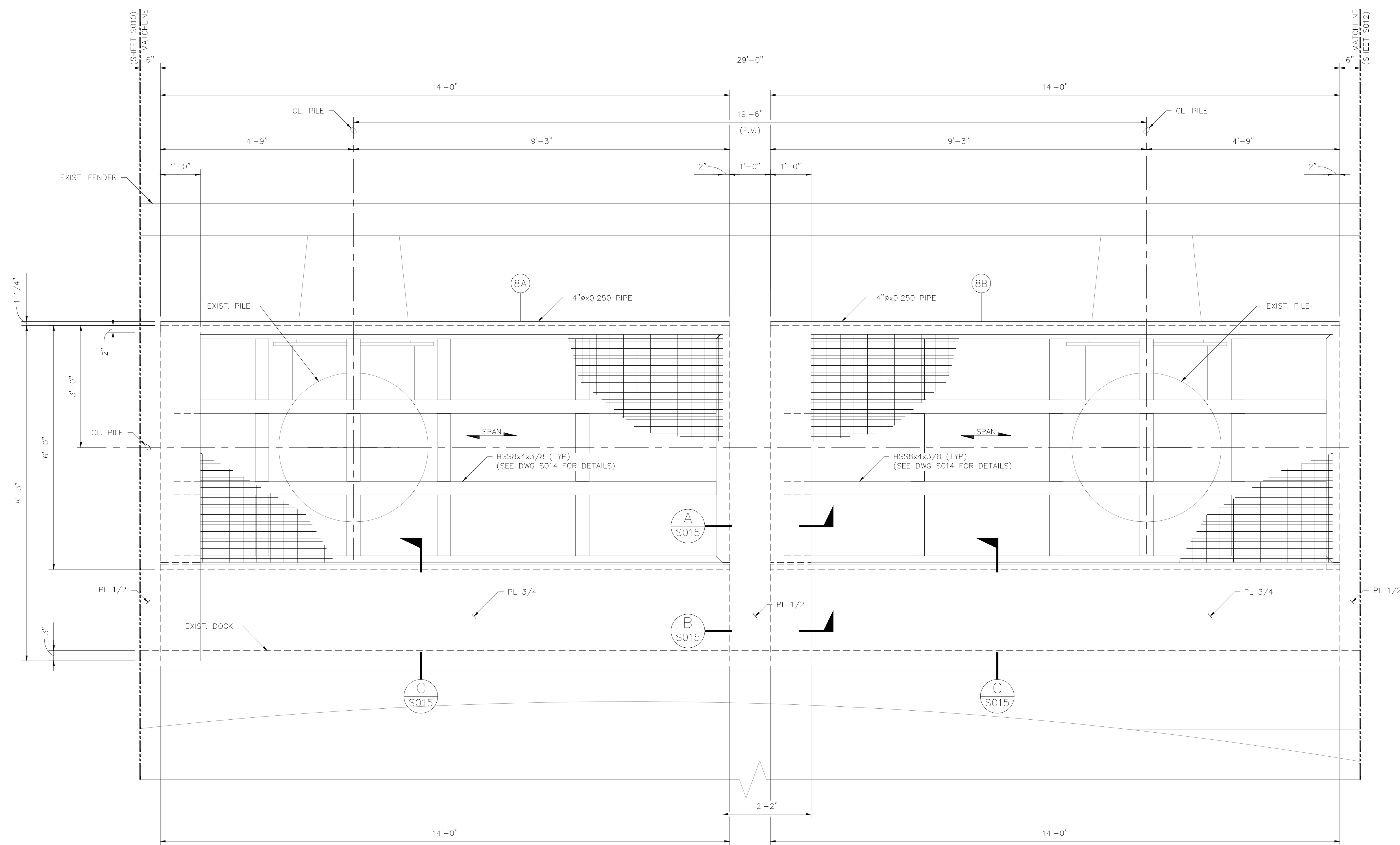


PORT OF BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORMS 10A AND 10B PLAN

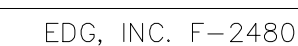
JOB NO. 8519.001 DWG. NO. BBCE-8519-41-S010

1/8



NOTE:

1. CONTRACTOR SHALL SURVEY PILES & DOCK PRIOR TO ANY FABRICATION TO VERIFY DIMENSIONS. MODIFICATIONS TO DESIGN REQUIRE POB & ENGINEERING APPROVAL.
2. F.V. = CRITICAL DIMENSION, CONTRACTOR SHALL FIELD VERIFY PRIOR TO FABRICATION.
3. SEE DWG. BBDC-8519-41-GN001 FOR STRUCTURAL NOTES.

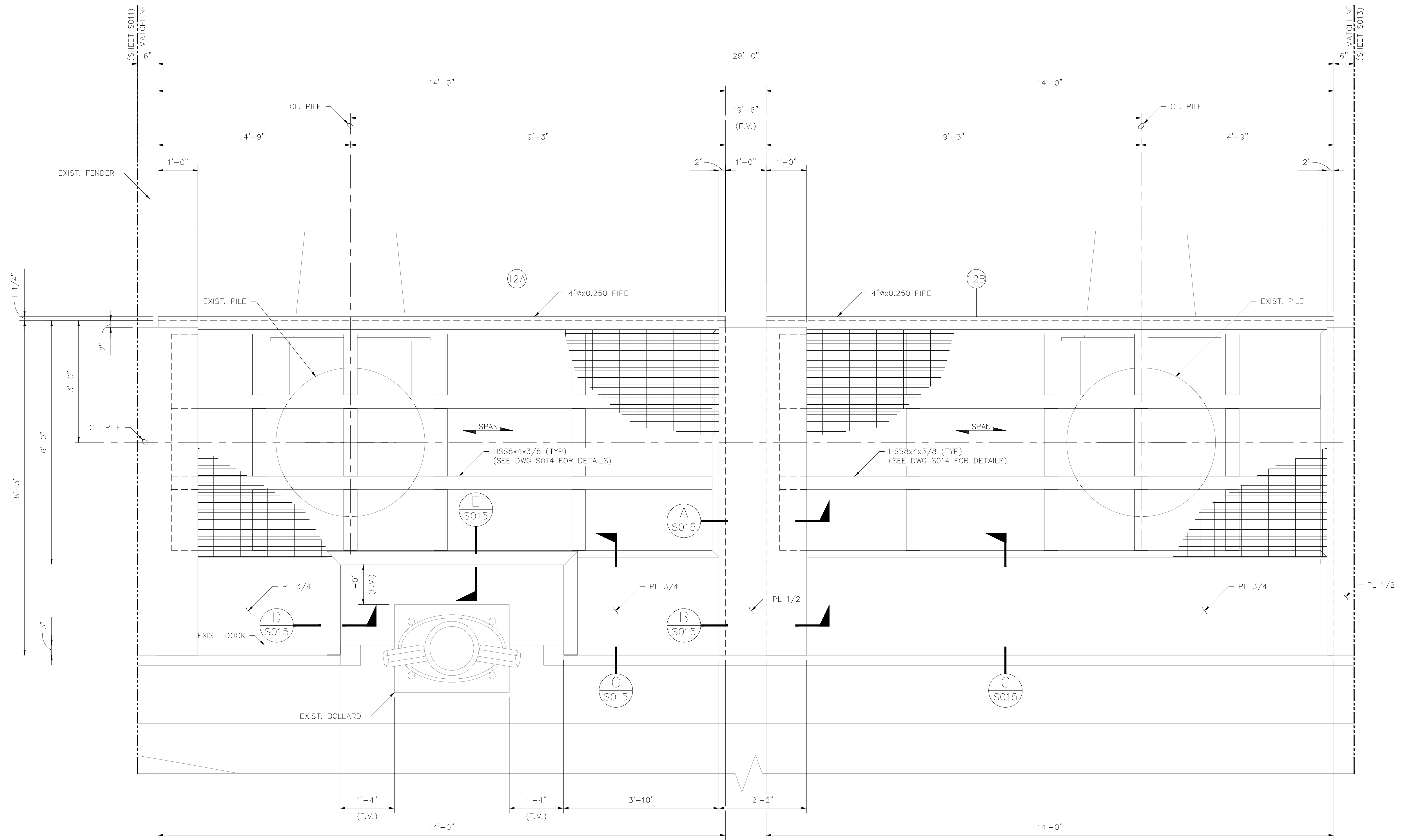
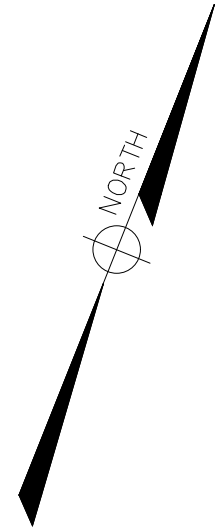


REV.	DESCRIPTION	BY	CHK'D	APP'D	DATE
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	CLIENT		
20	APPROVED	DRK	
20	CHECKED	DRK	
	DRAWN	TLY	

JOB NO.	8519.001	DWG. NO.	BBCD-8519-41-S01
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PLATFORMS 12A AND 12B
SCALE: 3/4"=1'-0"

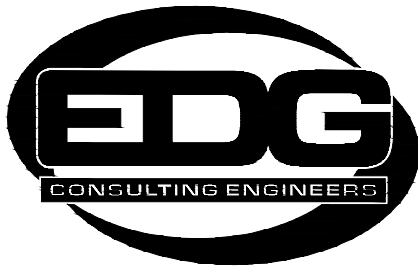
- NOTE:
1. CONTRACTOR SHALL SURVEY PILES & DOCK PRIOR TO ANY FABRICATION TO VERIFY DIMENSIONS. MODIFICATIONS TO DESIGN REQUIRE POB & ENGINEERING APPROVAL.
 2. F.V. =CRITICAL DIMENSION, CONTRACTOR SHALL FIELD VERIFY PRIOR TO FABRICATION.
 3. SEE DWG. BBGD-8519-41-GN001 FOR STRUCTURAL NOTES.

September 01, 2020
ISSUED FOR BID

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TX. LICENSE NO. 111211

EDG, INC. F-2480

REV.	DESCRIPTION	BY	CHK'D	APP'D	DATE	DRAWN	TLY
B	ISSUED FOR BID	TLY	DRK	DRK	09/01/20	APPROVED	DRK
A	ISSUED FOR REVIEW	TLY	DRK	DRK	06/11/20	CHECKED	DRK

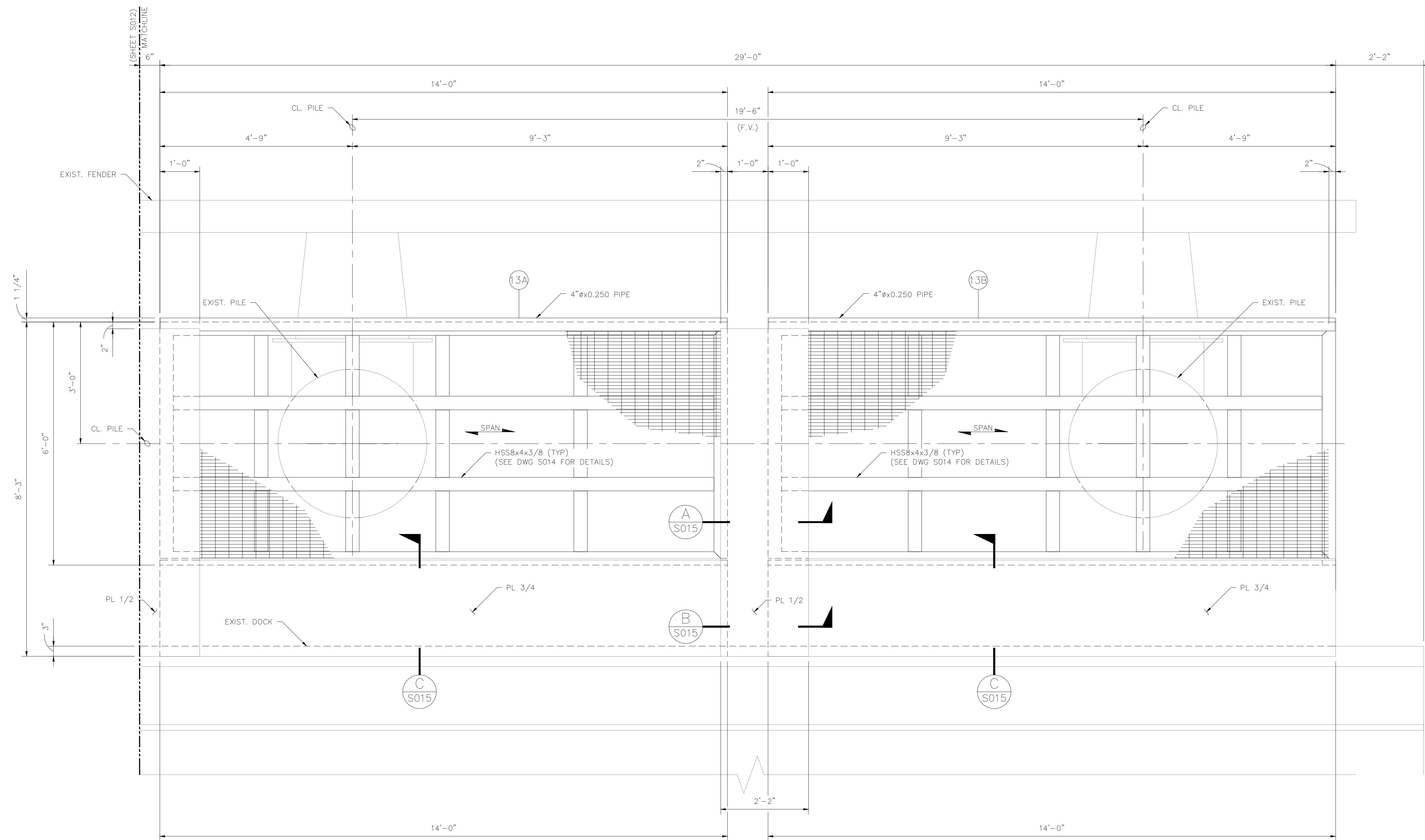


PORT OF BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORMS 12A AND 12B PLAN

JOB NO.	8519.001	DWG. NO.	BBGD-8519-41-S012	1/8
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EDG, INC. F-2480

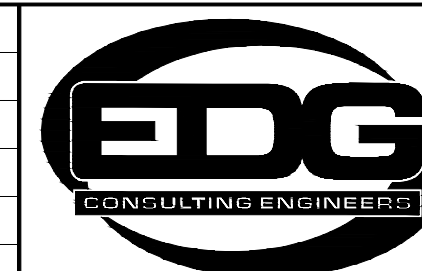


NOTE:

1. CONTRACTOR SHALL SURVEY PILES & DOCK PRIOR TO ANY FABRICATION TO VERIFY DIMENSIONS, MODIFICATIONS TO DESIGN REQUIRE POB & ENGINEERING APPROVAL.
2. F.V. = CRITICAL DIMENSION, CONTRACTOR SHALL FIELD VERIFY PRIOR TO FABRICATION.
3. SEE DWG. BBGD-8519-41-GN001 FOR STRUCTURAL NOTES.

September 01, 2020
ISSUED FOR BID

B	ISSUED FOR BID			TLY	DRK	DRK	09/01/2012
A	ISSUED FOR REVIEW			TLY	DRK	DRK	06/11/2012
REV.	DESCRIPTION			BY	CHK'D	APP'D	DATE



EDG, INC. F-2480

REV.	DESCRIPTION
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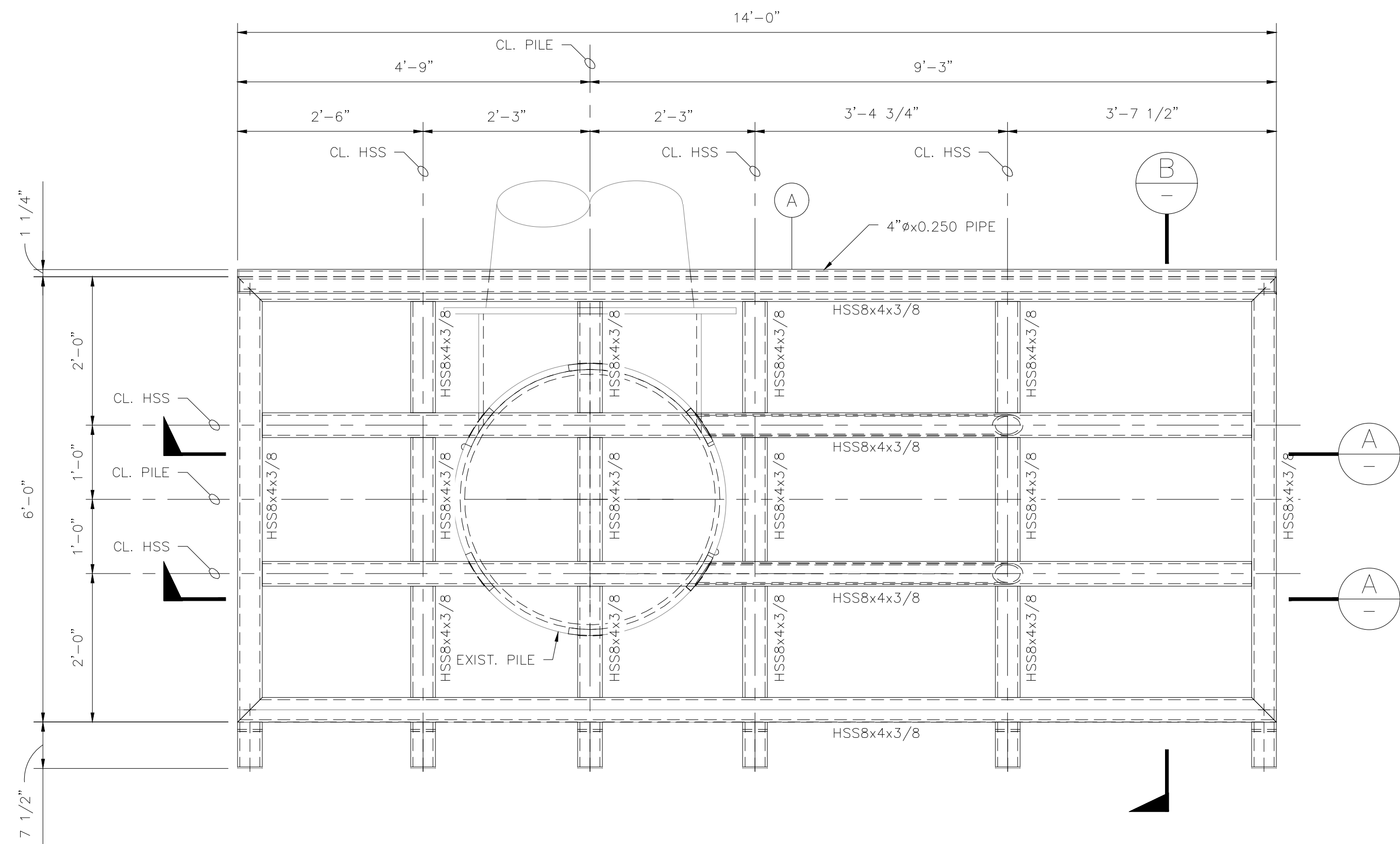
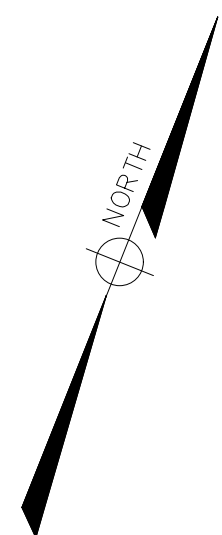
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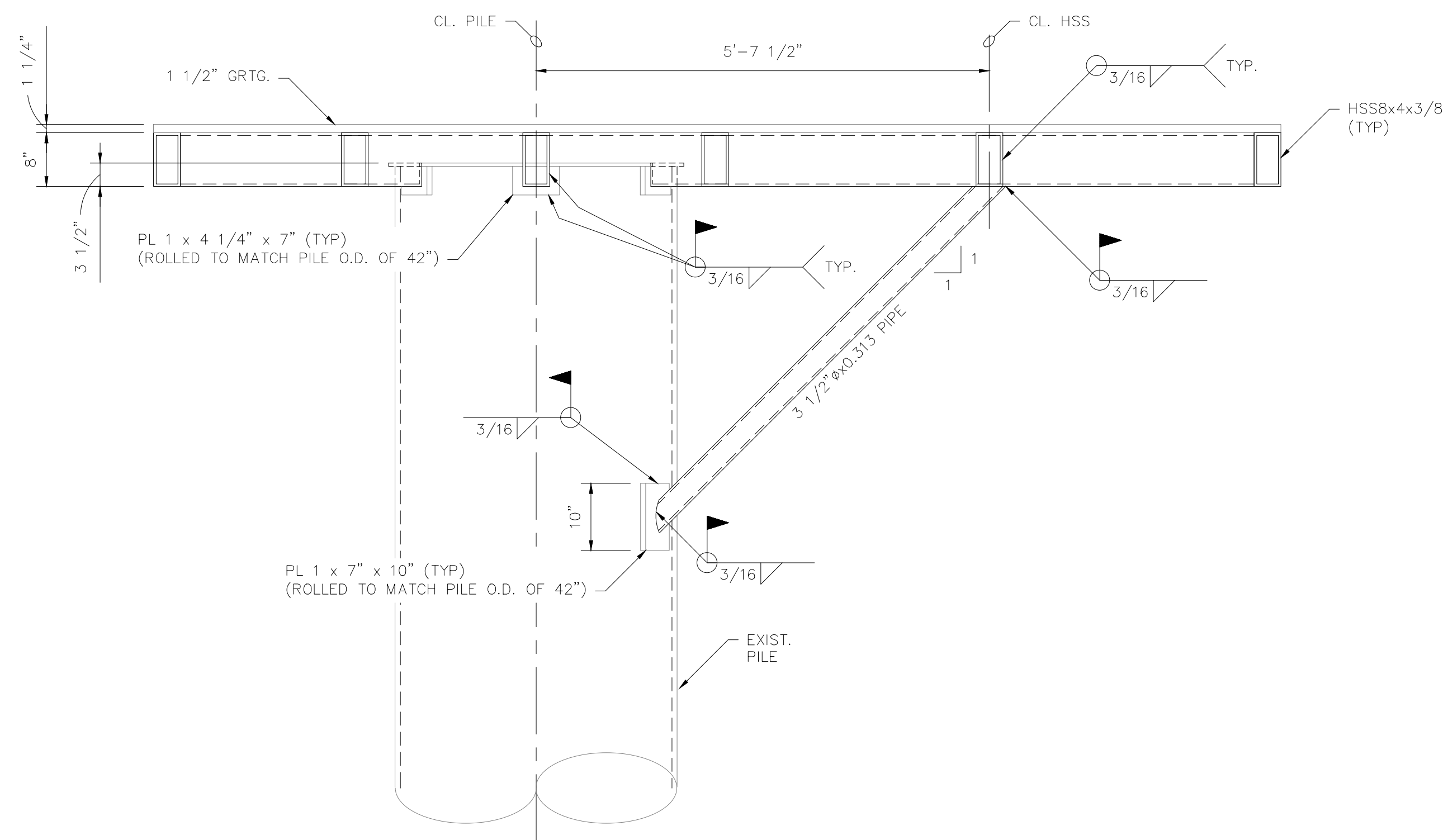
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PLATFORM PLAN

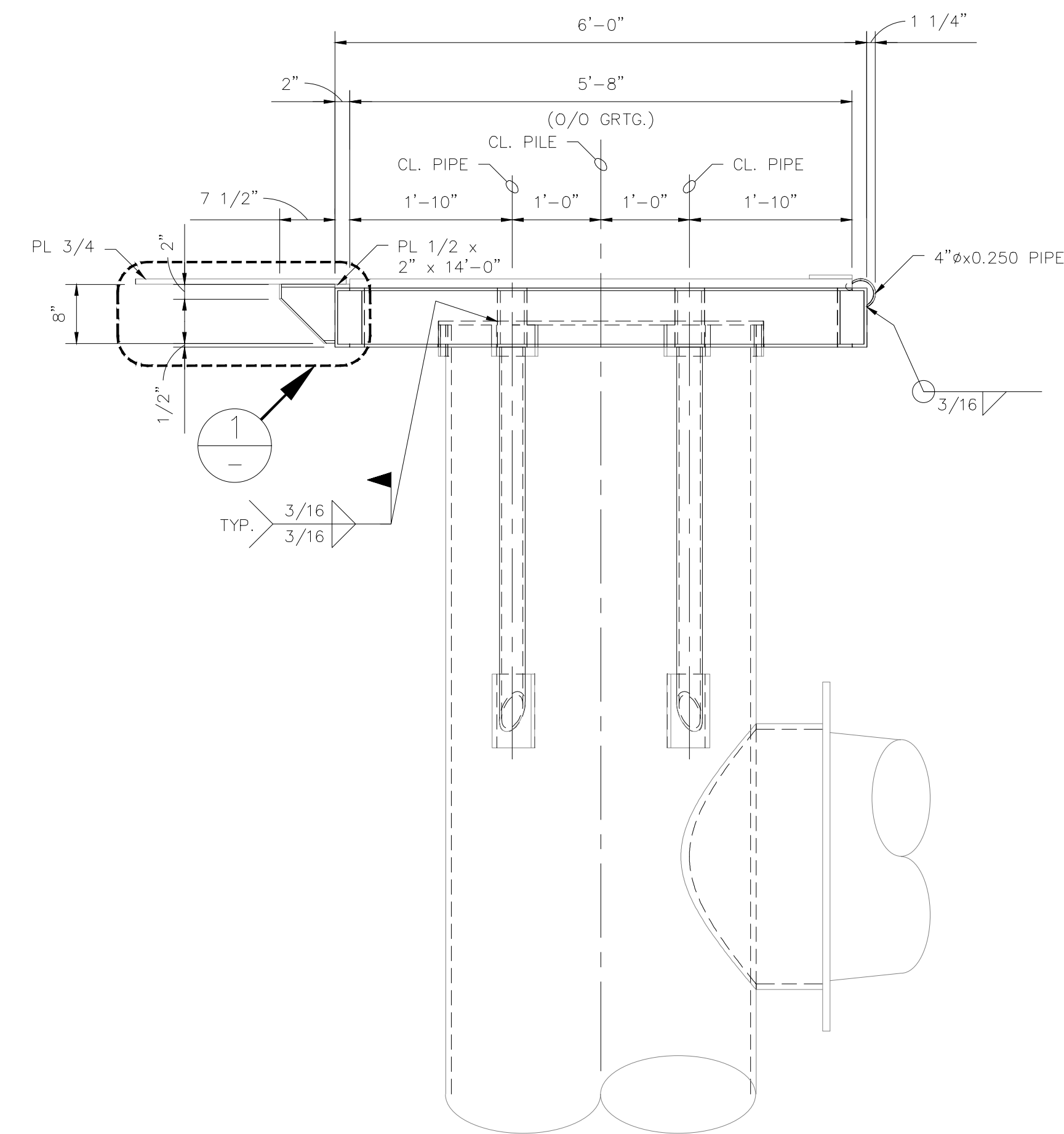
SCALE: 3/4"=1'-0"

- A SHOWN
- (B IS SIMILAR)
- GRATING & DECK COVER PL'S NOT SHOWN



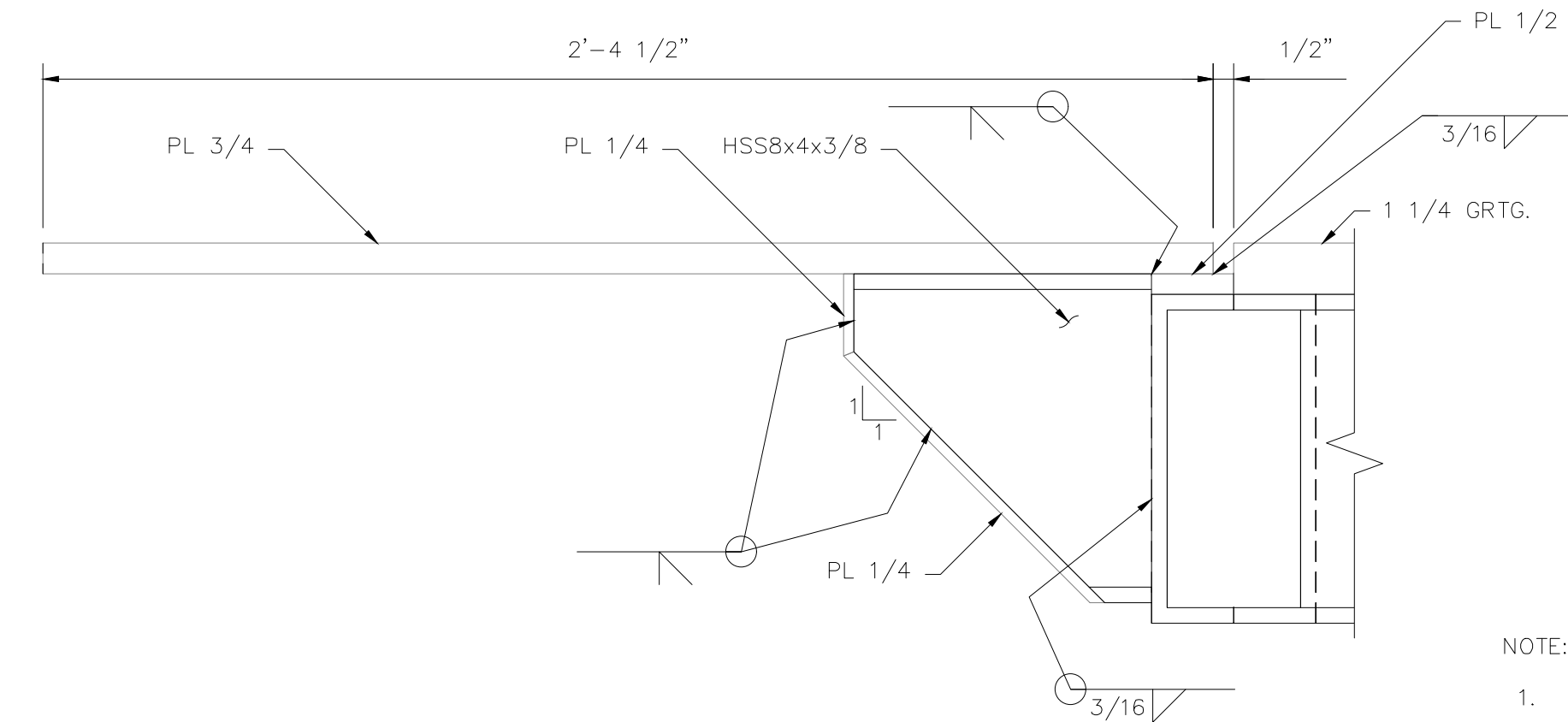
SECTION

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



SECTION

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



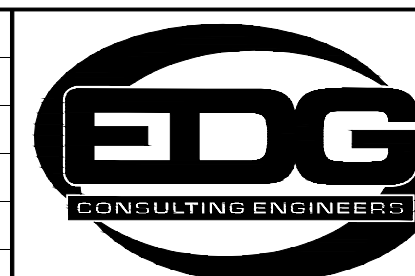
DETAIL

SCALE: 3"=1'-0"

NOTE:
1. SEE DWG. BBOD-8519-41-GN001 FOR STRUCTURAL NOTES.

September 01, 2020
ISSUED FOR BID

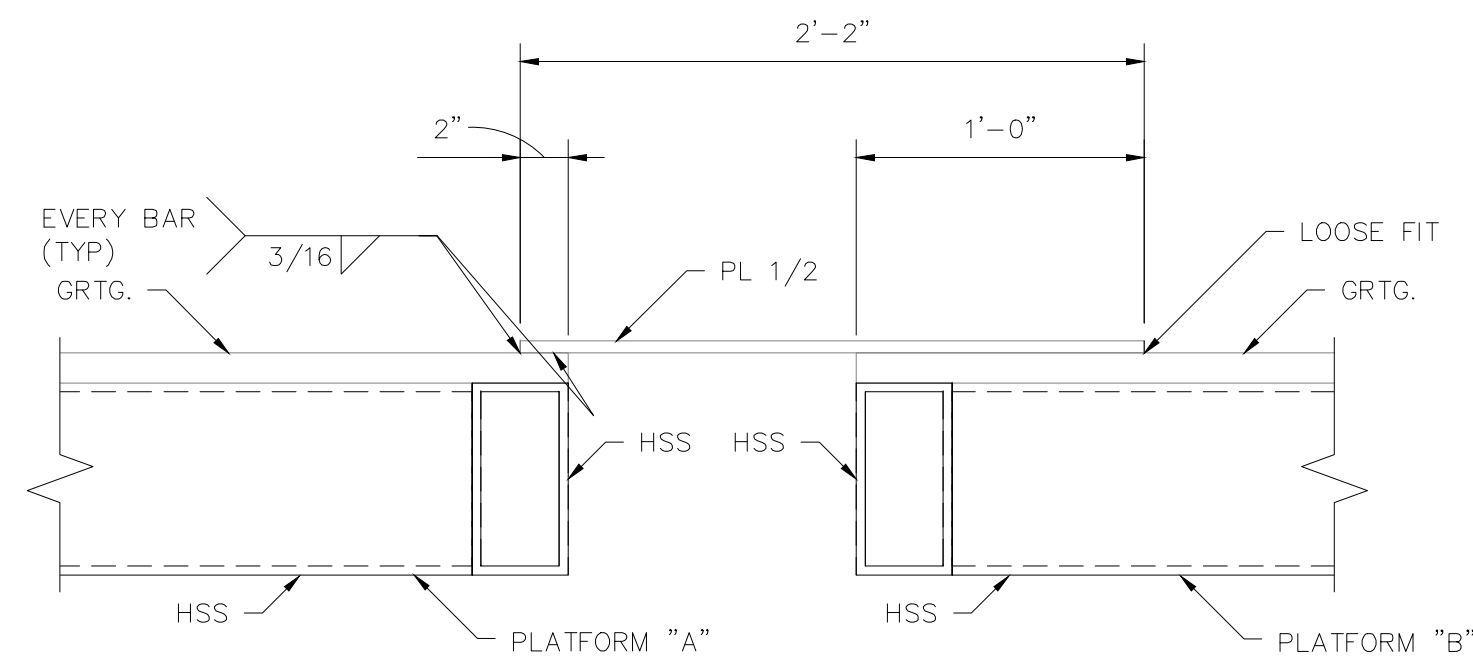
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TX. LICENSE NO. 111211



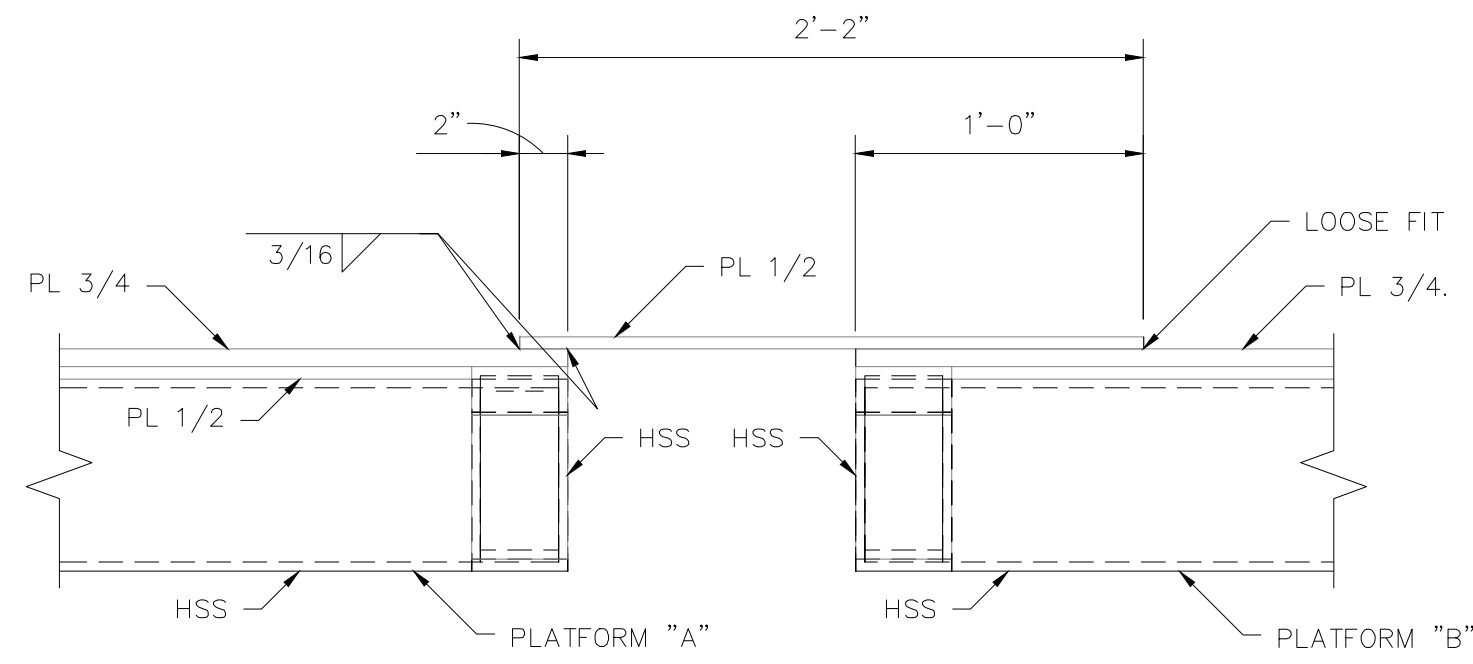
PORT OF BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORMS A & B DETAILS AND SECTIONS

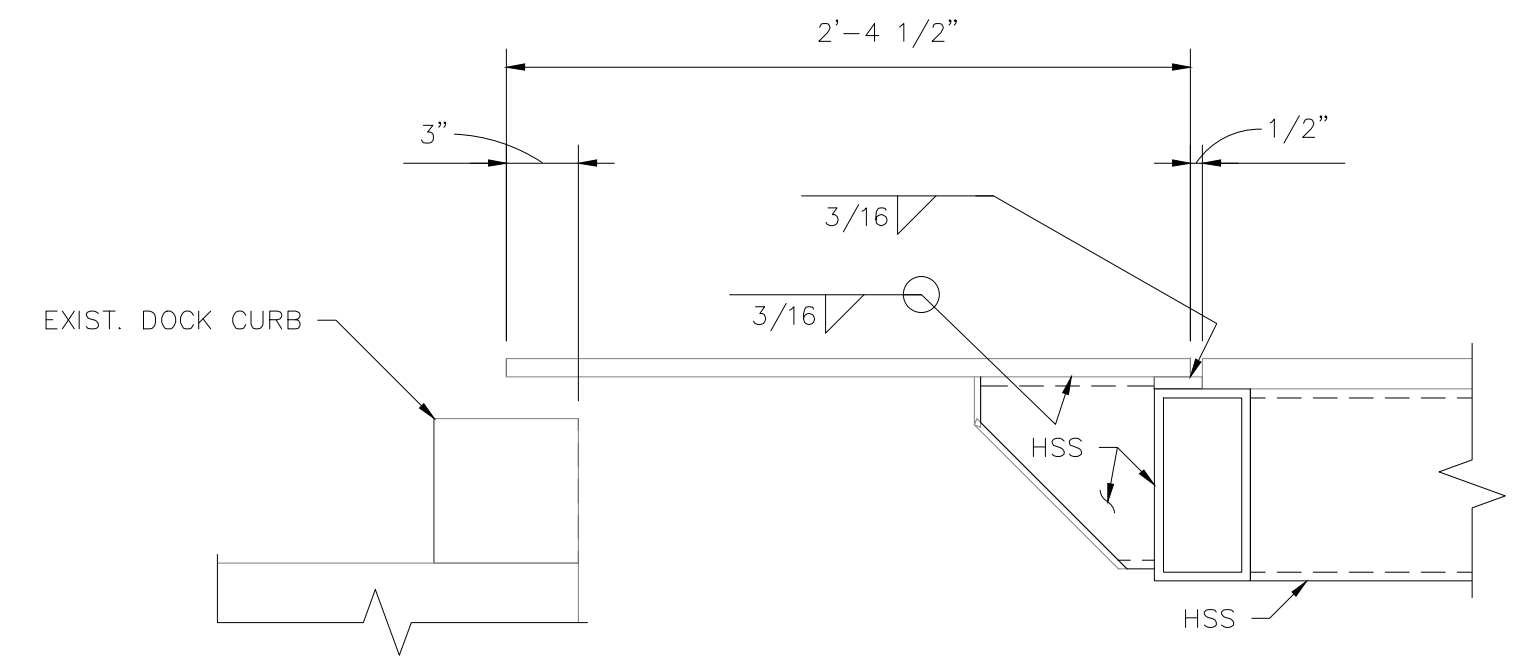
EDG, INC. F-2480	REV.	DESCRIPTION	BY	CHK'D	APP'D	DATE	DRAWN	TLY	JOB NO.	8519.001	DWG. NO.	BBOD-8519-41-S014	1/8
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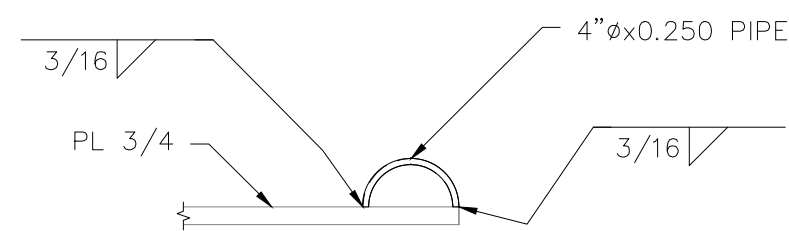
SECTION **A**
SCALE: 1 1/2"=1'-0" S001-S013



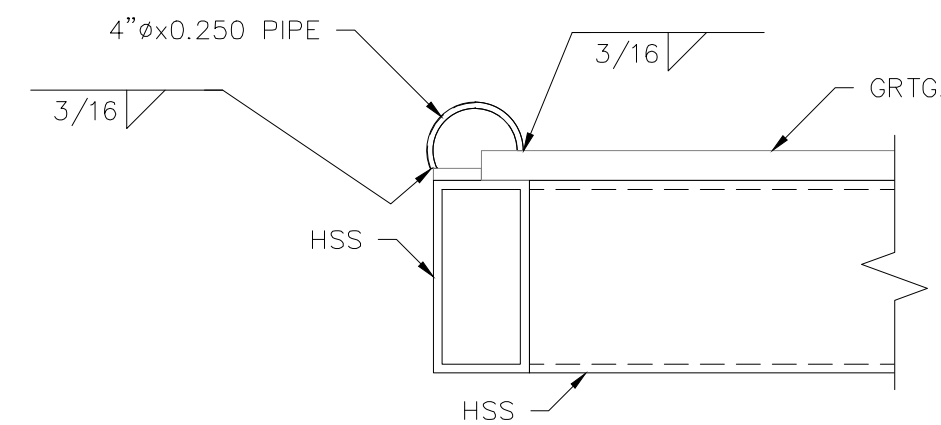
SECTION **B**
SCALE: 1 1/2"=1'-0" S001-S013



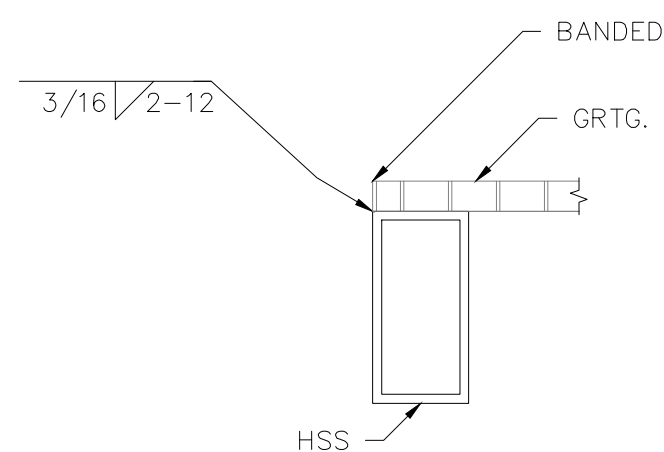
SECTION **C**
SCALE: 1 1/2"=1'-0" S001-S013



SECTION **D**
SCALE: 1 1/2"=1'-0" S002,S005,S009,S012



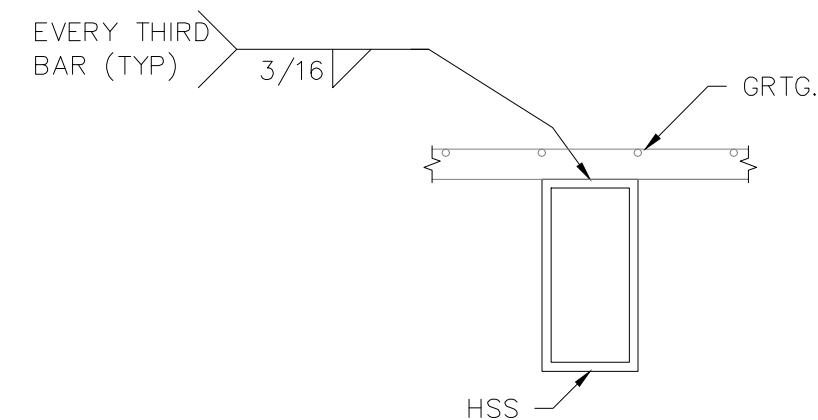
SECTION **E**
SCALE: 1 1/2"=1'-0" S002,S005,S009,S012



EXTERIOR PERIMETER FRAMING

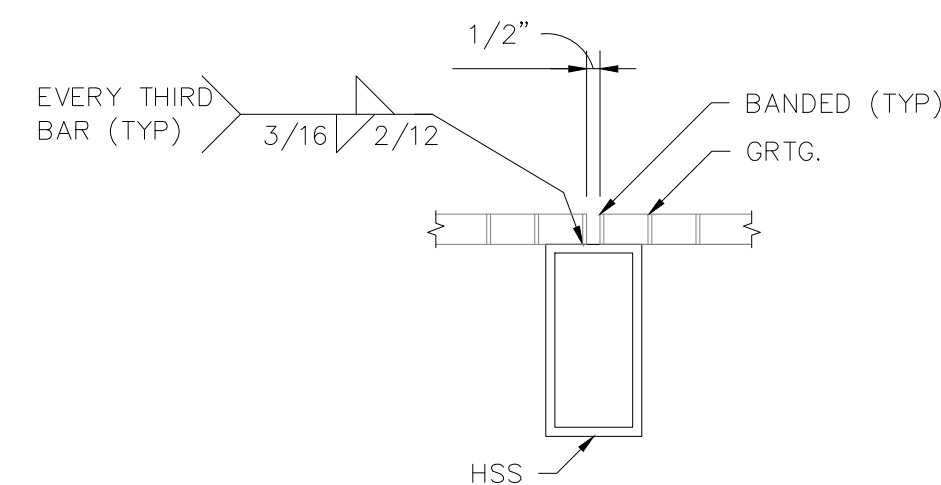
GRATING WELD DETAIL **1**
SCALE: N.T.S. -

- TYPICAL FOR 3 SIDES



CONTINUOUS OVER FRAMING

GRATING WELD DETAIL **2**
SCALE: N.T.S. -



SPLICE OVER FRAMING

GRATING WELD DETAIL **3**
SCALE: N.T.S. -

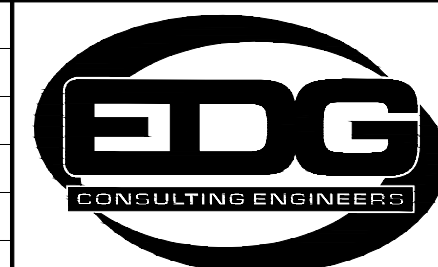
NOTE:
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B	ISSUED FOR BID	TLY	DRK	DRK	09/01/20	APPROVED	DRK
A	ISSUED FOR REVIEW	TLY	DRK	DRK	06/11/20	CHECKED	DRK



PORT OF BROWNSVILLE
the port that works

PORT OF BROWNSVILLE
BULK CARGO DOCK
PLATFORMS
PLATFORM CONNECTION PLATE DETAILS

JOB NO. 8519.001 DWG. NO. BBGD-8519-41-S015