

# NORTH REGION STAGE 1 BID PACKAGE N1-3 PRIDCO-FEMA 4339 DR PROGRAM

REPAIR AND IMPROVEMENTS OF PUERTO RICO INDUSTRIAL BUILDINGS OF THE INDUSTRIAL DEVELOPMENT COMPANY FOR THE:

INDEX OF DRAWINGS - PW 7801, DI 219340			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	1GI001		COVER SHEET - DI 219340
00-GENERAL	1GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	1AE101		SITE PLAN BUILDING T085506700 DI 219340
05-DETAILS	1DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	1DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	1DT503		DETAILS AND SPECIFICATIONS

INDEX OF DRAWINGS - PW 7801, DI 219341			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	2GI001		COVER SHEET - DI 219341
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03-ARCHITECTURAL	2AE101		SITE PLAN BUILDING T095407000 DI 219341
05-DETAILS	2DT501		DETAILS AND SPECIFICATIONS
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INDEX OF DRAWINGS - PW 7801, DI 219342			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	3GI001		COVER SHEET - DI 219342
00-GENERAL	3GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	3AE101		SITE PLAN BUILDING T102907000 DI 219342
05-DETAILS	3DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	3DT502		DETAILS AND SPECIFICATIONS

INDEX OF DRAWINGS - PW 8067, DI 219458			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	4GI001		COVER SHEET - DI 219458
00-GENERAL	4GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	4AE101		SITE PLAN BUILDING T089406700 DI 219458
05-DETAILS	4DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	4DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	4DT503		DETAILS AND SPECIFICATIONS

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Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	5GI001		COVER SHEET - DI 218811
00-GENERAL	5GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	5AE101		SITE PLAN BUILDING T082506700 DI 218811
05-DETAILS	5DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	5DT502		DETAILS AND SPECIFICATIONS

INDEX OF DRAWINGS - PW 8144, DI 218815			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	6GI001		COVER SHEET - DI 218815
00-GENERAL	6GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	6AE101		SITE PLAN BUILDING T093606800 DI 218815
05-DETAILS	6DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	6DT502		DETAILS AND SPECIFICATIONS

INDEX OF DRAWINGS - PW 8144, DI 218823			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	7GI001		COVER SHEET - DI 218823
00-GENERAL	7GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	7AE101		SITE PLAN BUILDING T125507900 DI 218823
05-DETAILS	7DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	7DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	7DT503		DETAILS AND SPECIFICATIONS

1. PW: 7801 / DI: 219340 / Bldg: T085506700 / Mun: Quebradillas
2. PW: 7801 / DI: 219341 / Bldg: T095407000 / Mun: Quebradillas
3. PW: 7801 / DI: 219342 / Bldg: T102907000 / Mun: Quebradillas

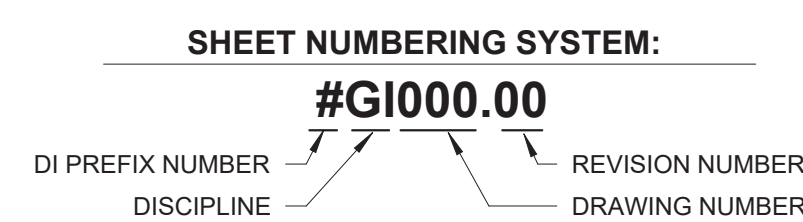
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6. PW: 8144 / DI: 218815 / Bldg: T093606800 / Mun: Arcibo

7. PW: 8144 / DI: 218823 / Bldg: T125507900 / Mun: Arcibo

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



DRAWING INFORMATION:  
SHEET TITLE:

COVER SHEET - N1-3

SCALE:

AS SHOWN

DELIVERY DATE: PROJECT NUMBER:  
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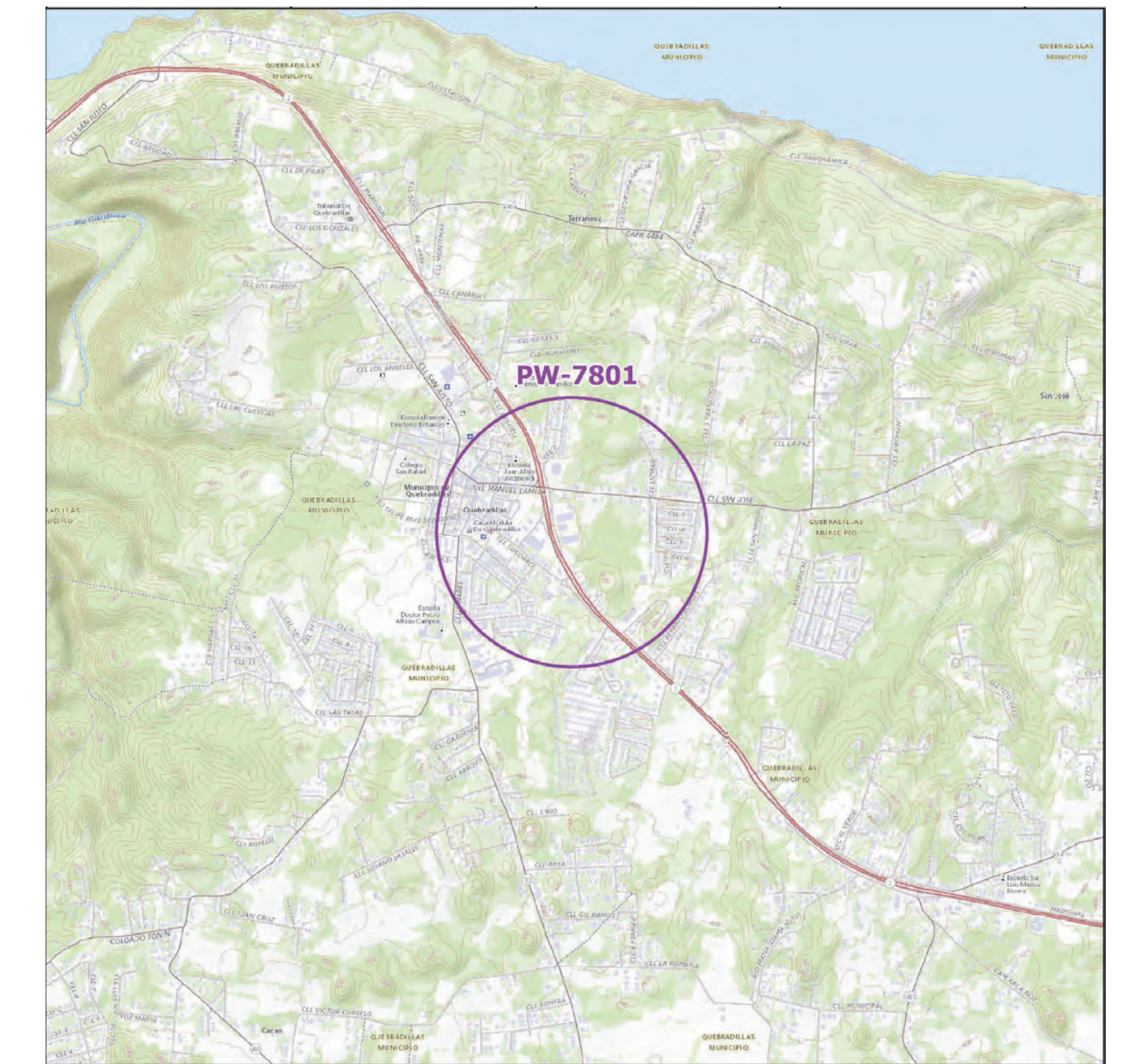
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FLOOD MAP



AERIAL PHOTO



LOCATION MAP  
SCALE 1:20,000

# NORTH REGION STAGE 1 BID PACKAGE N1-3 PRIDCO-FEMA 4339 DR PROGRAM

REPAIR AND IMPROVEMENTS OF INDUSTRIAL BUILDINGS OF THE  
PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY FOR THE:

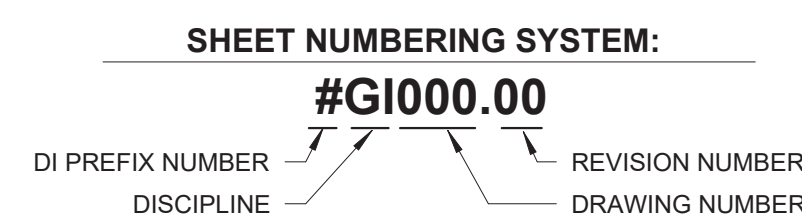
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3. PW: 7801 / DI: 219342 / Bldg: T102907000 / Mun: Quebradillas

FEBRUARY 21, 2024

INDEX OF DRAWINGS - PW 7801, DI 219340			
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00-GENERAL	1GI001		COVER SHEET - DI 219340
00-GENERAL	1GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	1AE101		SITE PLAN BUILDING T085506700 DI 219340
05-DETAILS	1DT501		DETAILS AND SPECIFICATIONS
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05-DETAILS	1DT503		DETAILS AND SPECIFICATIONS

INDEX OF DRAWINGS - PW 7801, DI 219341			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	2GI001		COVER SHEET - DI 219341
00-GENERAL	2GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	2AE101		SITE PLAN BUILDING T095407000 DI 219341
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INDEX OF DRAWINGS - PW 7801, DI 219342			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	3GI001		COVER SHEET - DI 219342
00-GENERAL	3GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	3AE101		SITE PLAN BUILDING T102907000 DI 219342
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05-DETAILS	3DT502		DETAILS AND SPECIFICATIONS



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



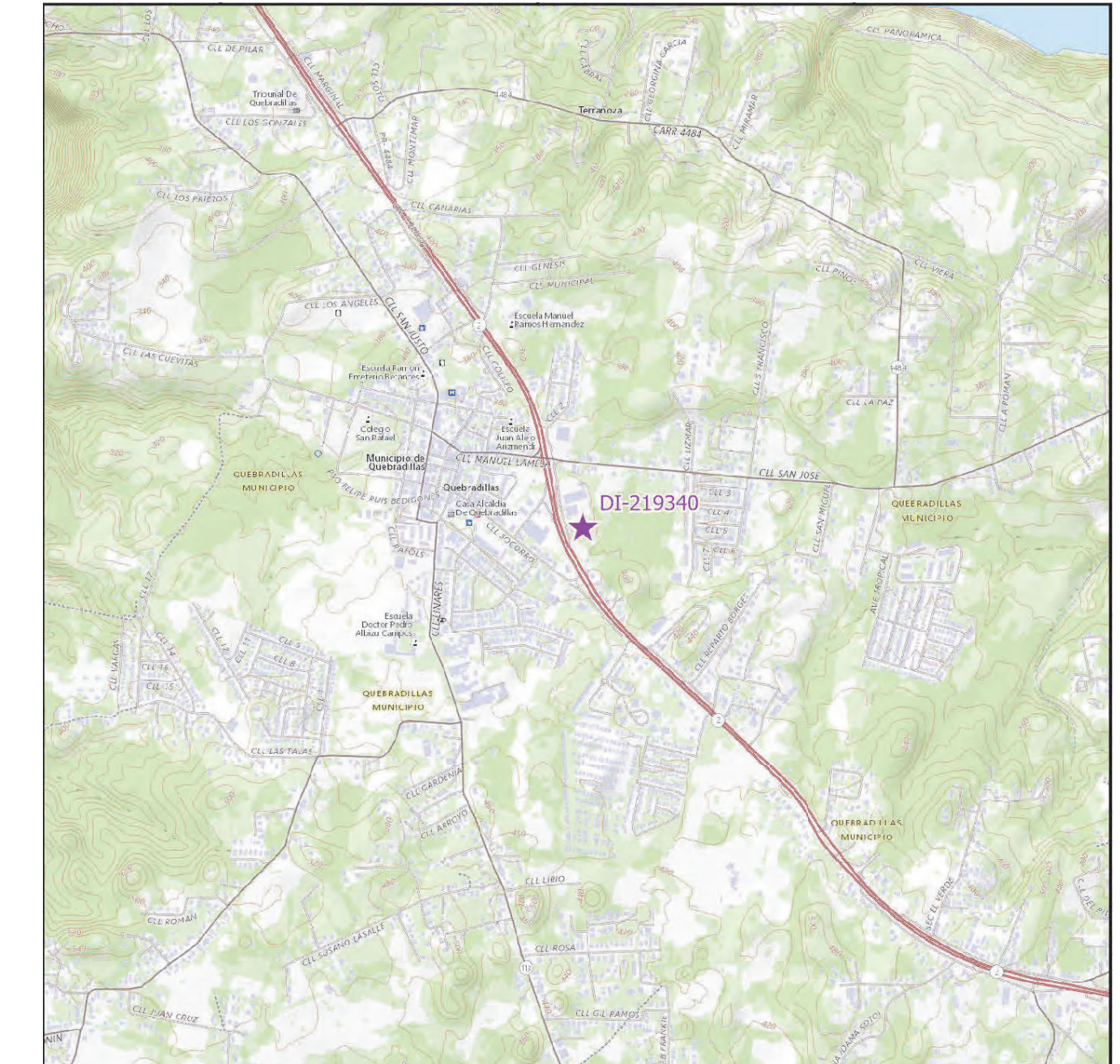
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PRINT DATE & TIME:	BIM FILE NAME:
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DRAWING / MODEL LOCATION:	
SHEET NO. <b>0GI001</b>	



FLOOD MAP



AERIAL PHOTO  
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LOCATION MAP  
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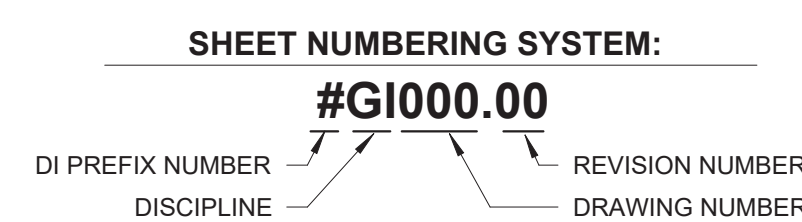
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00-GENERAL	1G1001		COVER SHEET - DI 219340
00-GENERAL	1G1002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	1AE101		SITE PLAN BUILDING T085506700 DI 219340
05-DETAILS	1DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	1DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	1DT503		DETAILS AND SPECIFICATIONS

# PRIDCO-FEMA 4339 DR PROGRAM NORTH REGION STAGE 1 BID PACKAGE N1-3

1. PW:7801 | DI:219340 | Bldg:T085506700

Road PR-2, Km. 100.8, San Jose Ward Quebradillas, Puerto Rico

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



DRAWING INFORMATION:  
SHEET TITLE:

COVER SHEET - DI 219340

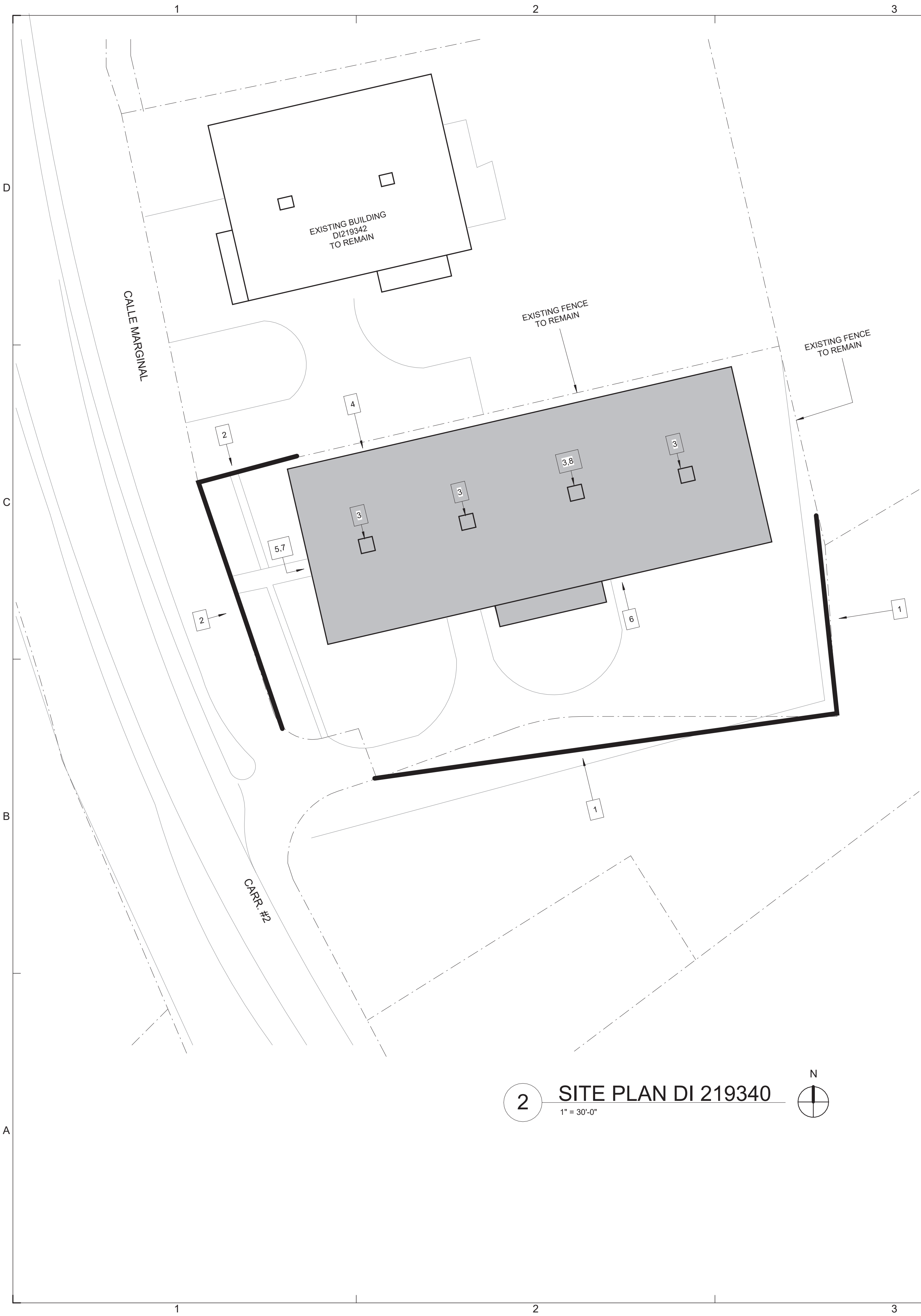
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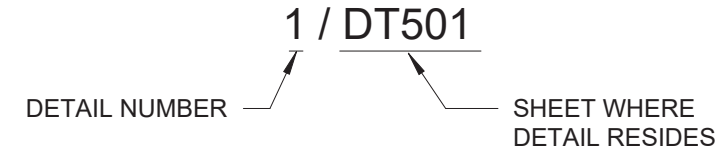
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CONSTRUCTION KEY NOTES SCHEDULE DI 219340							
#ID	TYPE OF DAMAGE	DESCRIPTIONS	DIMENSION	QUANTITY	DETAIL	TECHNICAL SPECIFICATIONS	PHOTO
1	PA - Public Assistance	Exterior, Site: Remove existing material, install new chain link fence and 3-strands barbed wire.	410 LF L x 6 FT H	410 LF	1/1DT502 2/1DT502 1/1DT503	323113	
2	PA - Public Assistance	Exterior, Site: Remove and dispose of damaged material, install new 3-strands barbed wire (4-point).	130 LF	130 LF	1/1DT502 2/1DT502 1/1DT503	323113	
3	AD - Additional Damages	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	4 EA	6/1DT501 7/1DT501		
4	AD - Additional Damages	Exterior, Wall: Install missing downspout section.	2 LF	2 LF	1/1DT501	221414; 221423	
5	AD - Additional Damages	Exterior, Site: Remove and replace handrail (galvanized steel single tube (2IN diameter) horizontal and vertical members)	29 LF L x 3 FT H	29 LF	3/1DT501 8/1DT501	055213	
6	PA - Public Assistance	Exterior, Site: Clean, prepare the surface, apply primer, and 2 coats of handrail paint.	10 LF L x 3 FT H	10 LF	-	055213	
7	PA - Public Assistance	Exterior, Site: Clean, prepare the surface, apply primer, and 2 coats of handrail paint.	29 LF L x 3 FT H	29 LF	-	055213	
8	AD - Additional Damages	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	5 FT x 5 FT	1 EA	4/1DT501 5/1DT501	233416	

NOTE: SEE GENERAL NOTES, ITEM #7 IN 1GI002



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**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

DISCIPLINE INFORMATION:  
 PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF DESIGNER: JOHANNA SALCEDO  
 I.C. AUDITOR: [blank]

PROFESSIONAL'S STATEMENT:

YO, ANNETTE ALFONSO  
 NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCIONO, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN, CERTIFICO QUE ENTENDO QUE DICHS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADIEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA, SEGUN APLIQUE; RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT:

**PRIDCO DAMAGE IMPROVEMENTS  
 NORTH REGION STAGE 1  
 BID PACKAGE N1-3  
 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

DRAWING INFORMATION:

SHEET TITLE:  
**SITE PLAN BUILDING  
 T085506700 DI 219340**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER: 21-0258-02
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DRAWING / MODEL LOCATION:	

SHEET NO:  
**1AE101**  
 OF

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FOR: **PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

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**DISCIPLINE INFORMATION:**  
 PRINCIPAL PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF ENGINEER: JOHANNA SALCEDO  
 I.C. AUDITOR: [blank]

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

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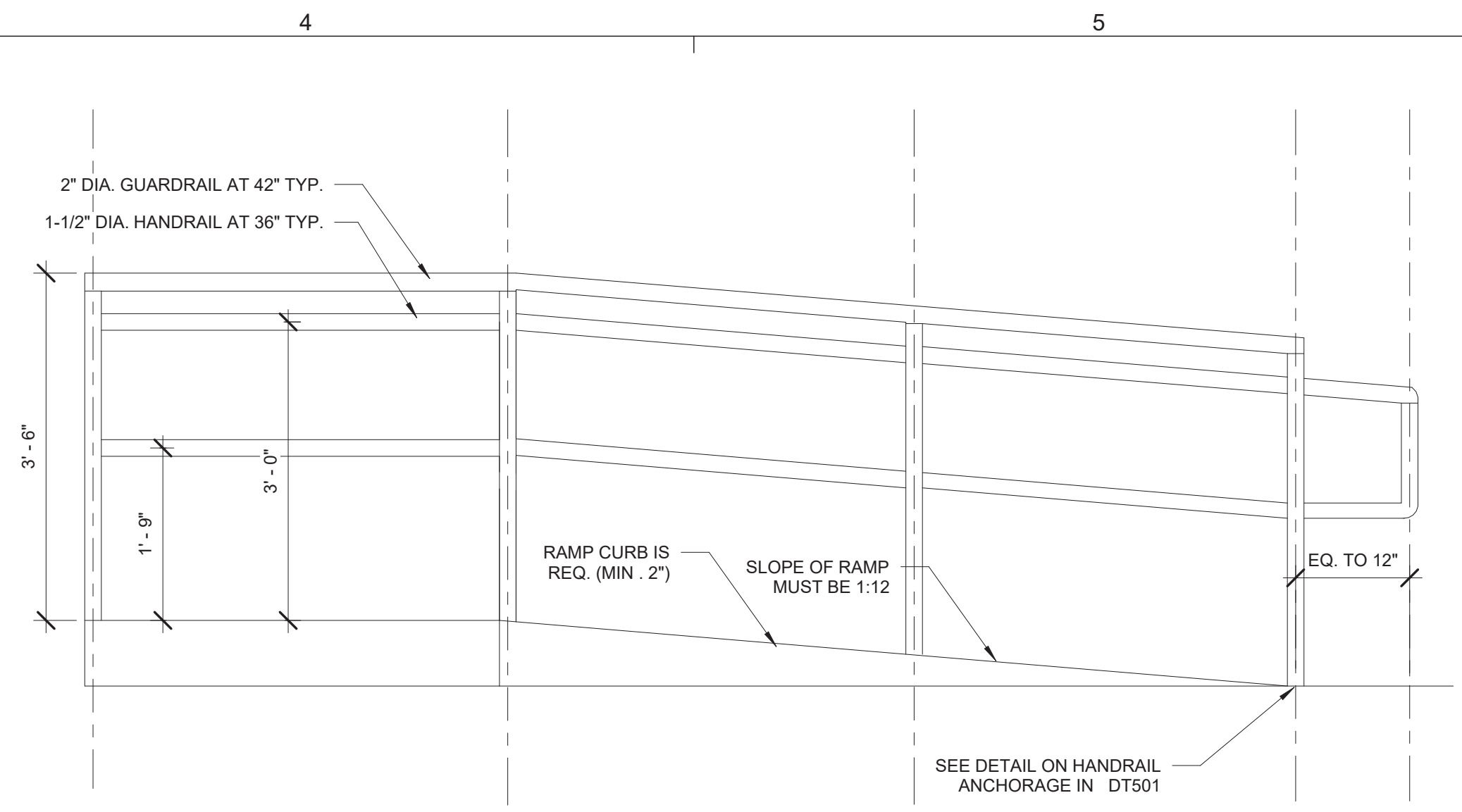
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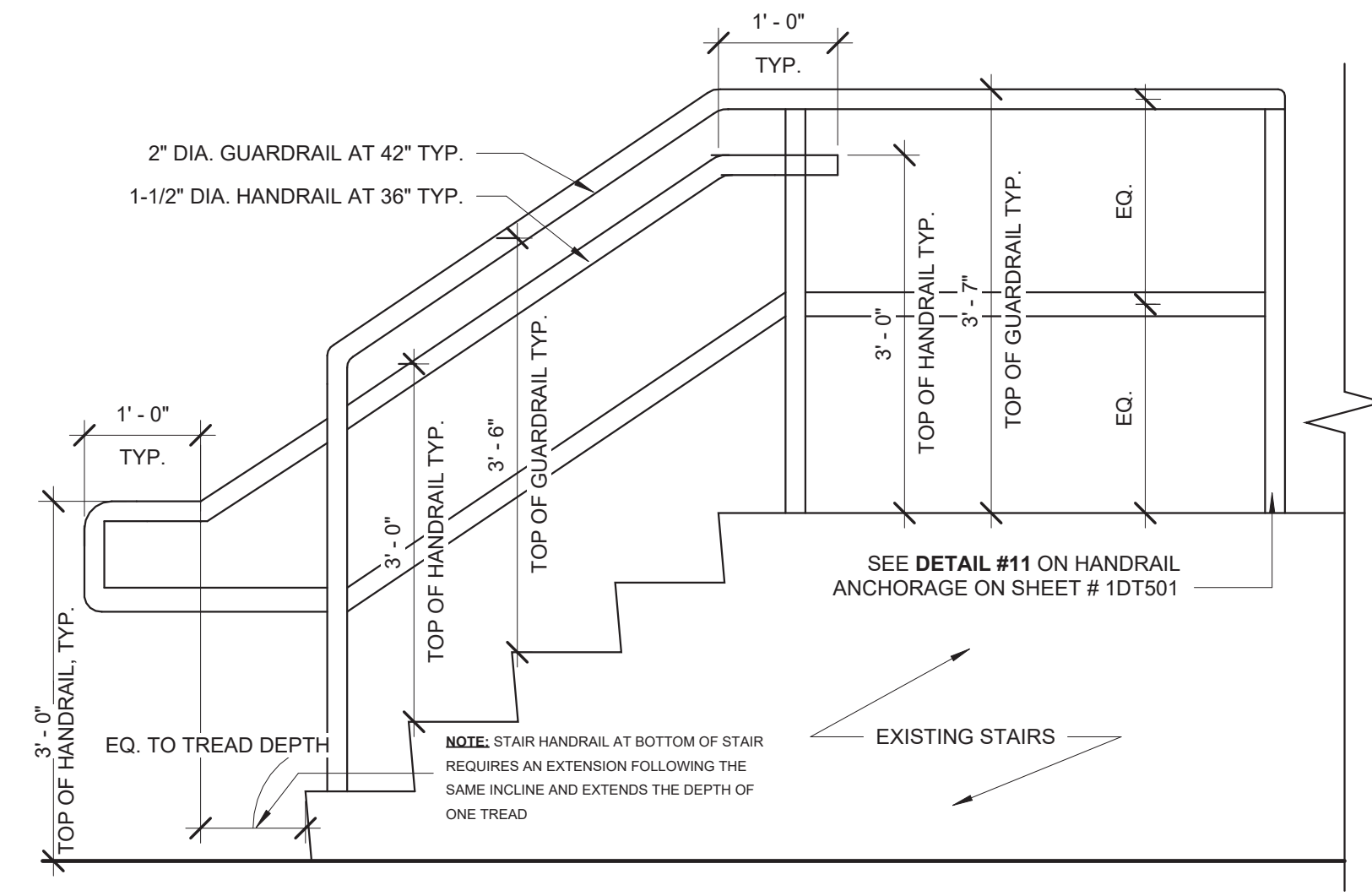
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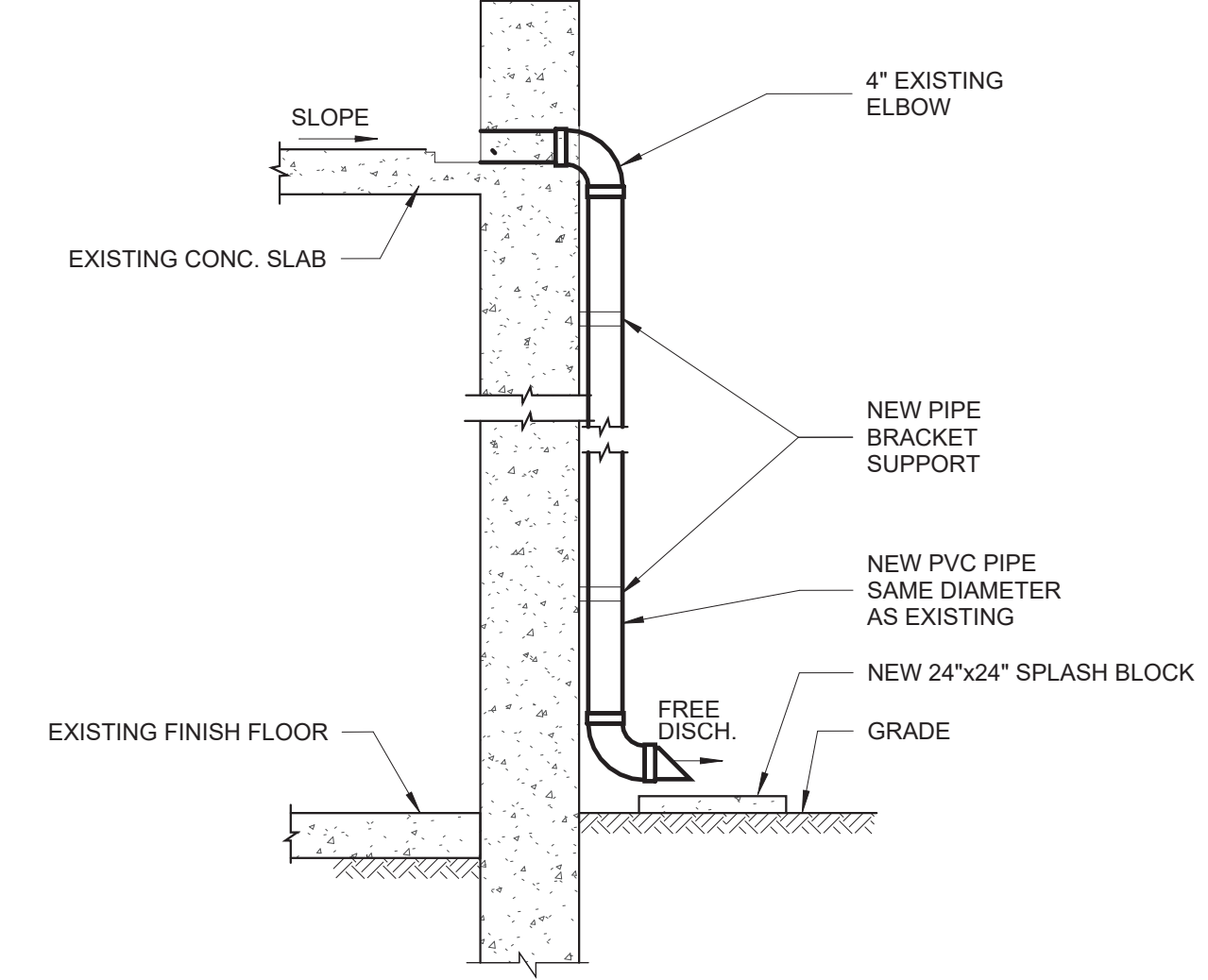
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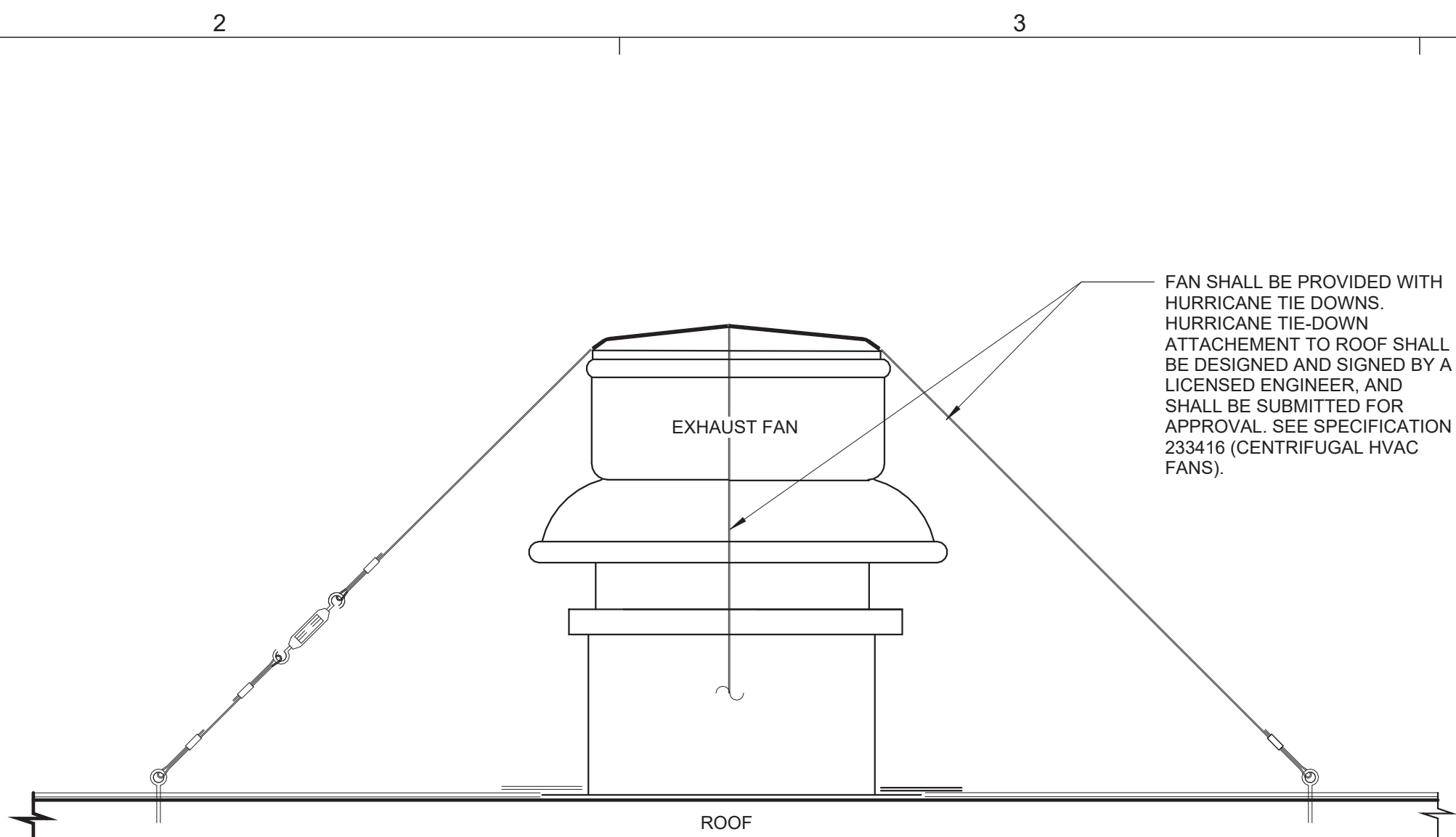
**3 TYP. RAMP DETAIL**  
N.T.S.



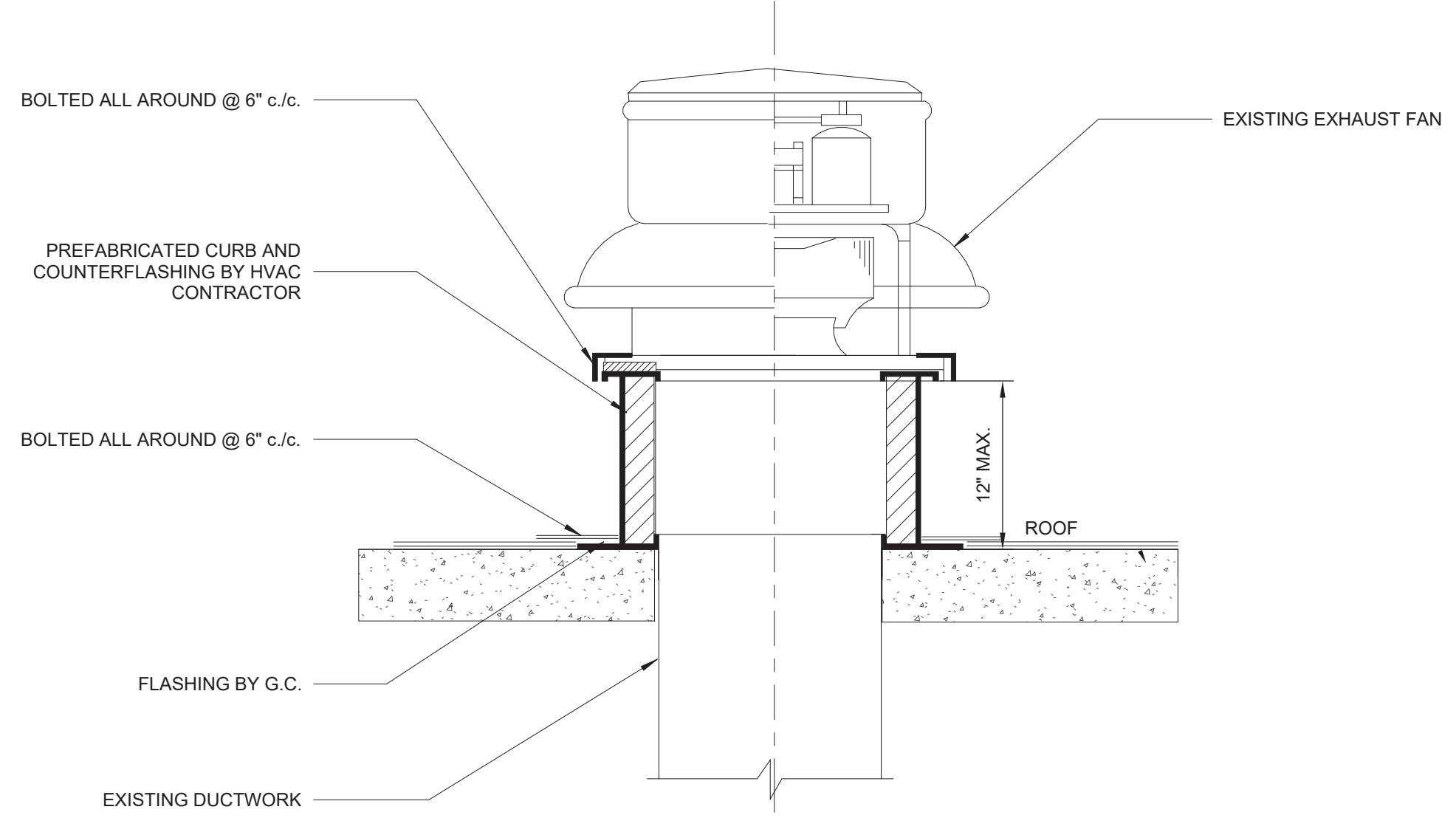
**2 TYP. GUARDRAIL AND HANDRAIL AT EXISTING STAIRS**  
3/4" = 1'-0"



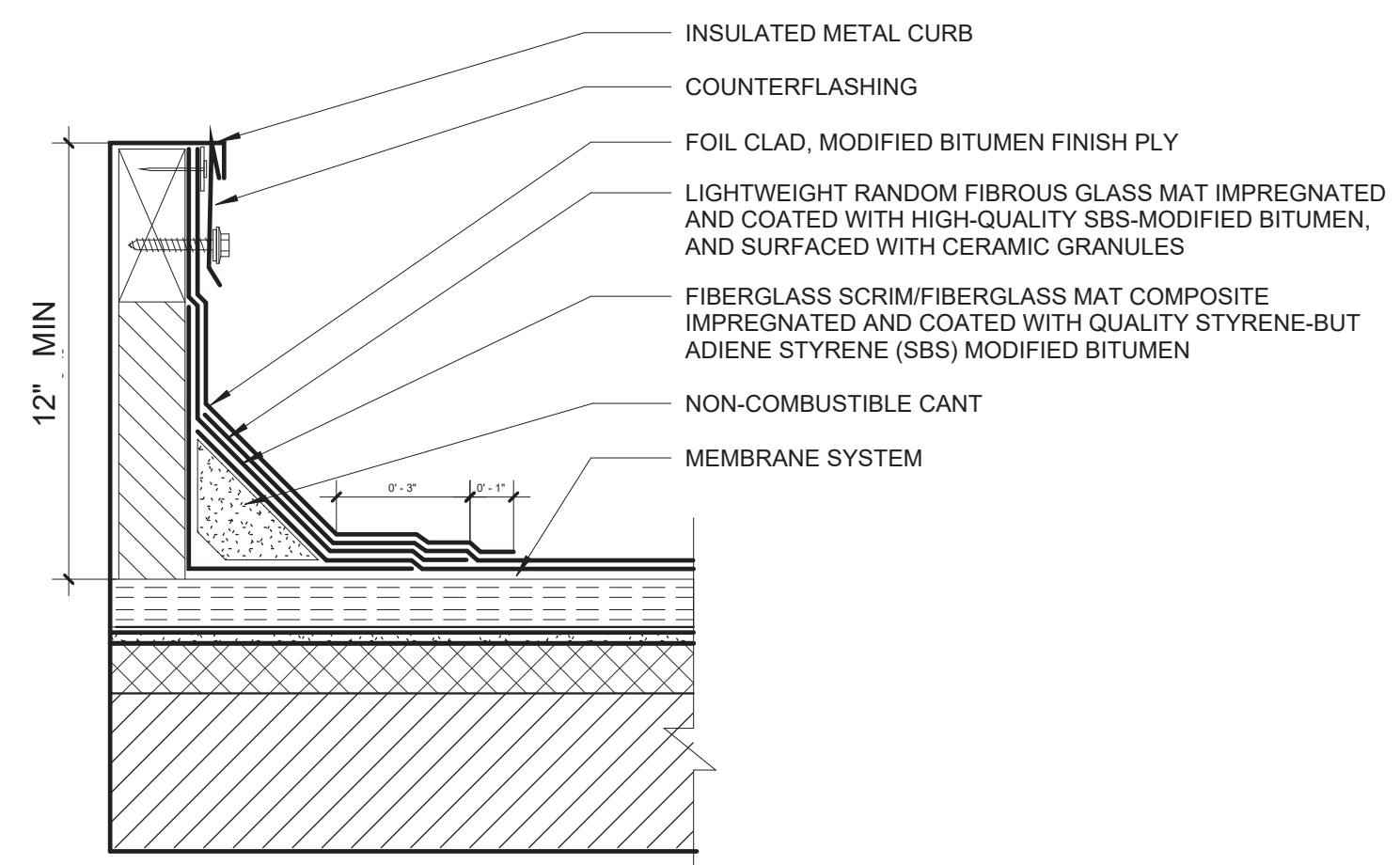
**1 TYP. DOWNSPOUT**  
N.T.S.



**6 EXHAUST FAN ROOF TIE-DOWN**  
N.T.S.



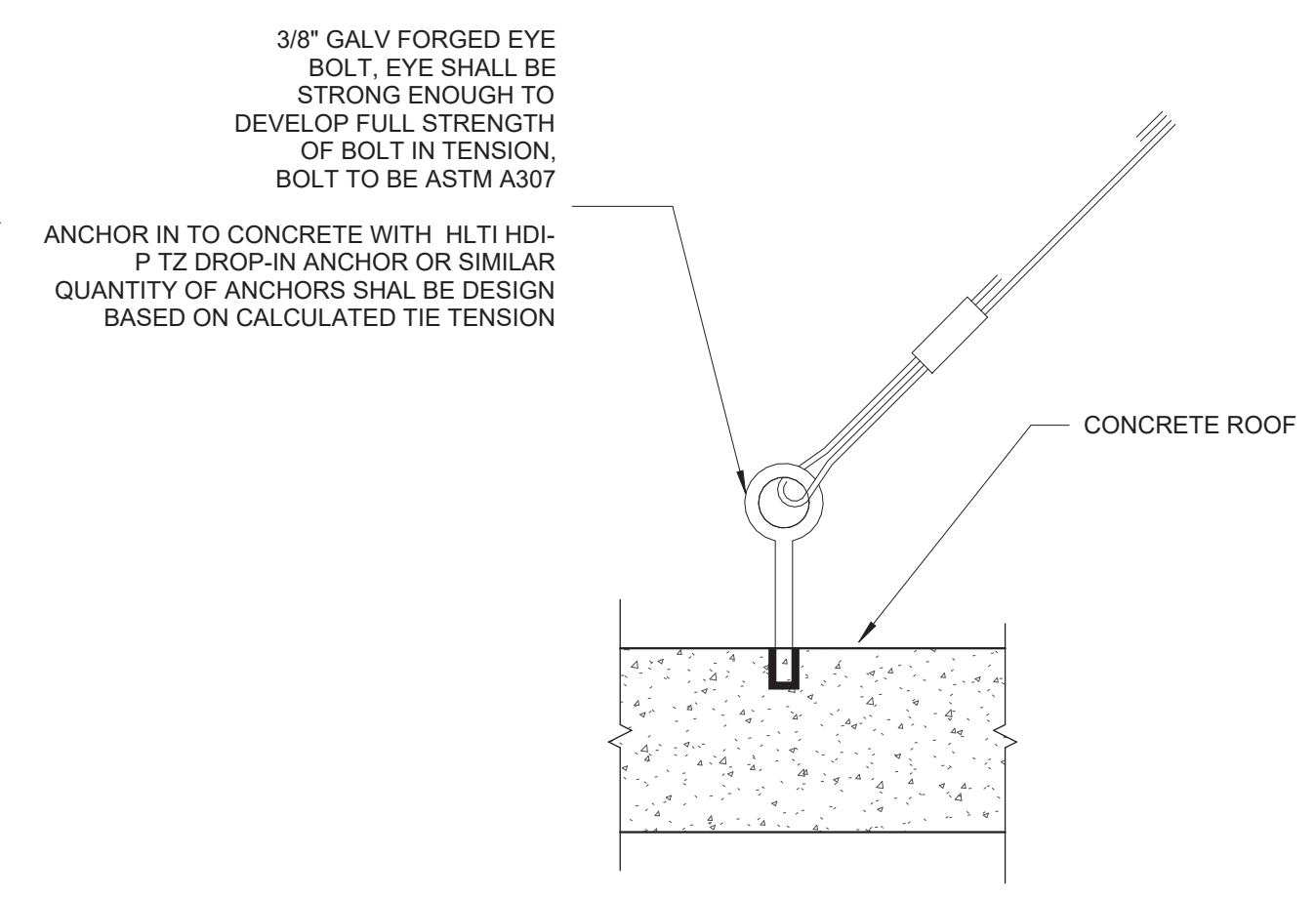
**5 EXHAUST FAN ROOF CURB DETAIL**  
N.T.S.



**4 FLASHING AT EXHAUST FAN CURB DETAIL**  
N.T.S.



**8 HANDRAIL ANCHORAGE DETAIL**  
3" = 1'-0"



**7 EXHAUST FAN ROOF TIE-DOWN ROOF ANCHOR**  
N.T.S.

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRIME PROFESSIONAL:  
 ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD:  
 ANNETTE ALFONSO  
 STAFF DESIGNER:  
 JOHANNA SALCEDO  
 I.C. AUDITOR:  
 PRINCIPAL CAD TECHNICIAN:

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:

**DETAILS AND SPECIFICATIONS**

SCALE:

AS SHOWN

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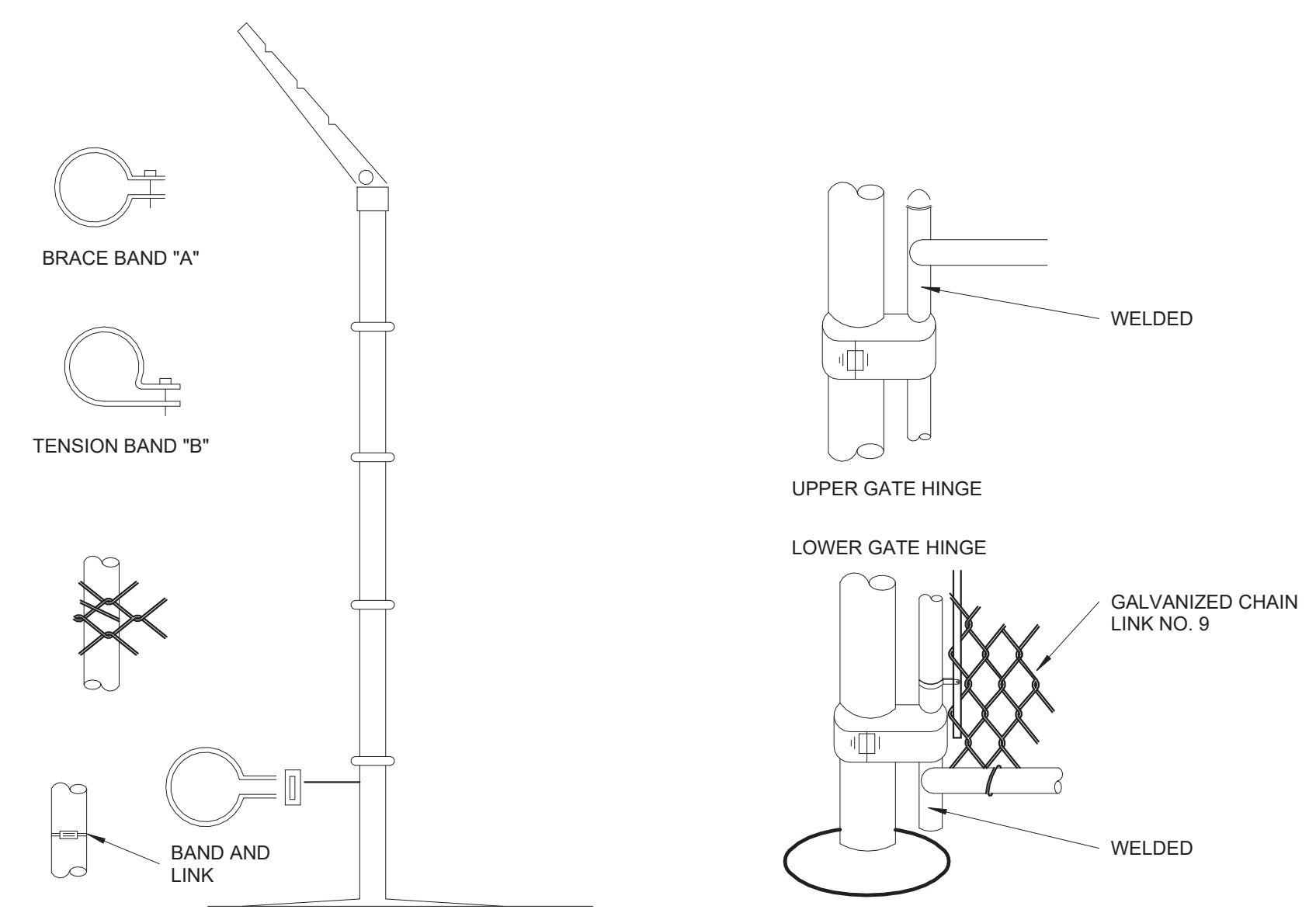
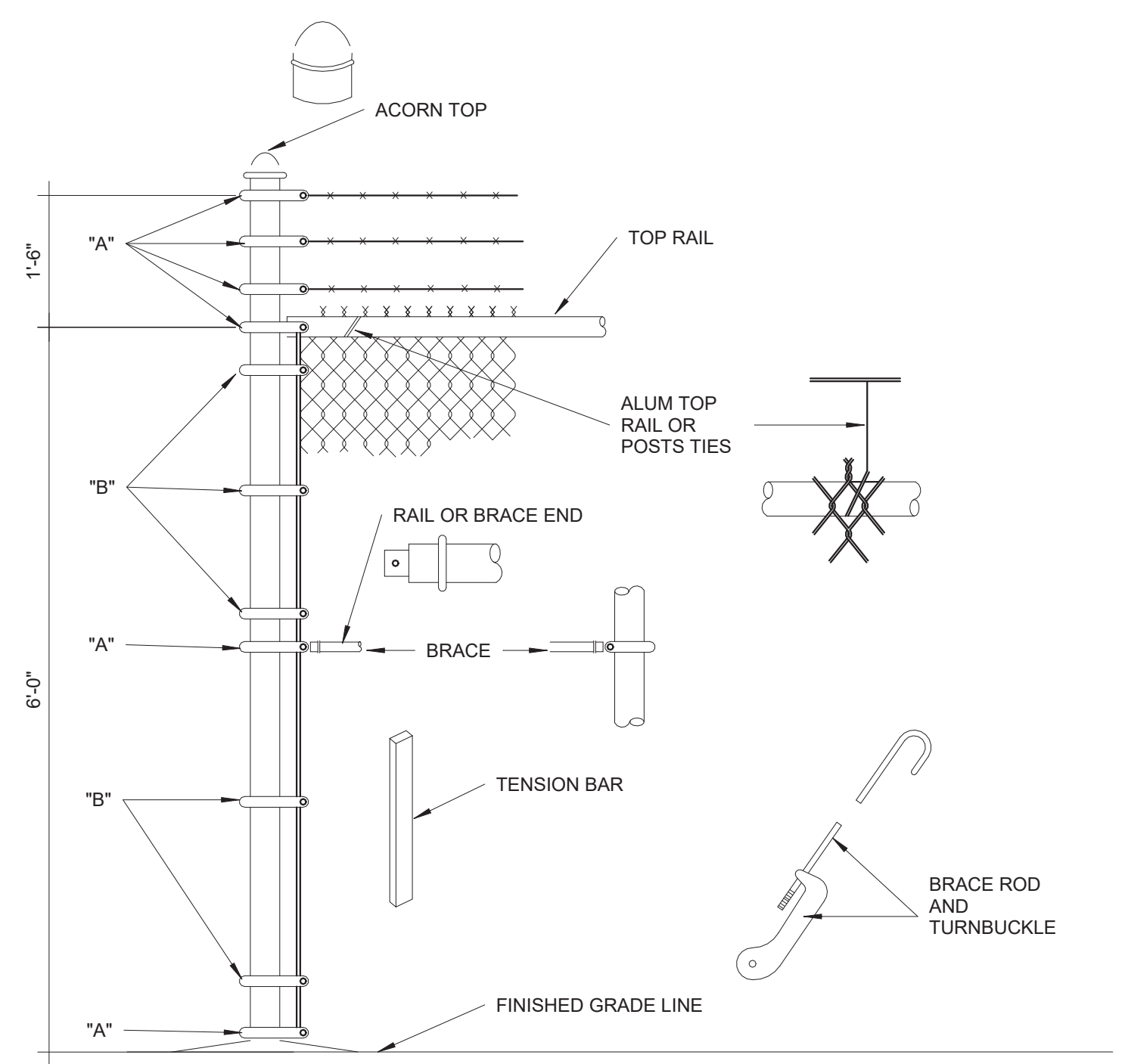
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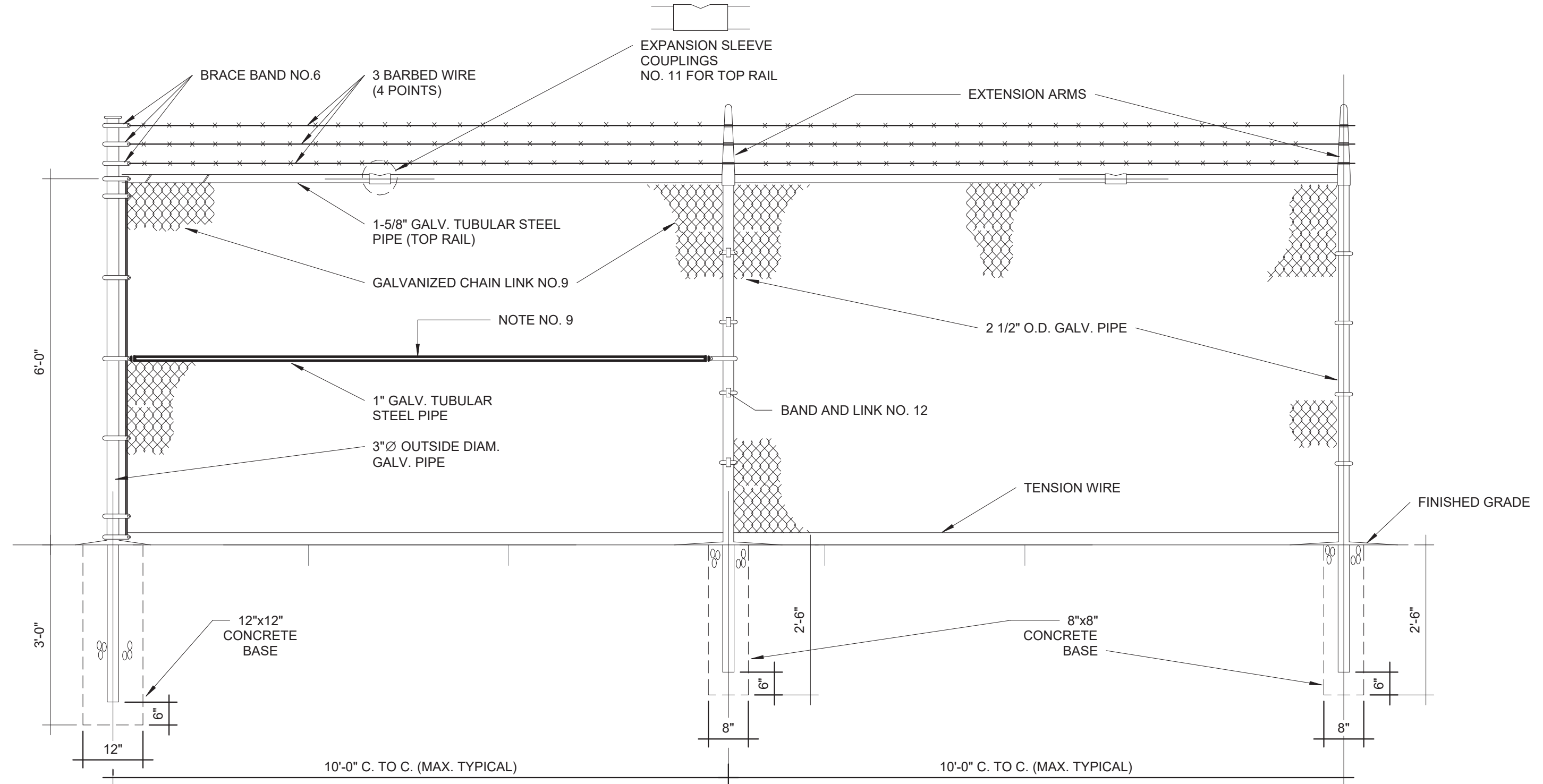
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**NOTES:**

- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
- LINE POSTS 2 1/2" O.D. GALV. - STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
- TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
- CORNER POST 3" O.D. GALV. - STD. WEIGHT PIPE - 6.79 LBS. PER LIN. FT.
- TENSION WIRE GA. NO.7 GALVANIZED
- GATE POST 4" O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
- GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOVEN.
- STD. WEIGHT PIPE, SCHEDULE 40A, 120
- TUBULAR STEEL PIPE SHALL BE INSTALL EVERY 50'-0" PANEL SPAN (SPAN=10'-0")
- TUBULAR STEEL PIPE SHALL BE INSTAL EVERY DIRECTIONS CHANGE IN THE FENCE.
- TUBULAR STEEL PIPE SHALL BE INSTAL AT EACH FENCE END PANEL.
- ALL FITTINGS - EXTRA HEAVY DUTY.
- MILL CERTIFICATE SHALL BE SUBMITTED.



**2** INSTALLATION DETAILS FOR CHAIN LINK FENCE & GATES  
N.T.S.



**1** CHAIN LINK FENCE WITH BARBED WIRE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)  
N.T.S.

**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRIME PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF DESIGNER: JOHANNA SALCEDO  
 I.C. AUDITOR:   
 PRINCIPAL CAD TECHNICIAN:   
**PROFESSIONAL'S STATEMENT:**  
 YO, ANNETTE ALFONSO  
 NUM. LIC. 12304

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**PROJECT:**  
**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**  
 SHEET TITLE:

**DETAILS AND SPECIFICATIONS**

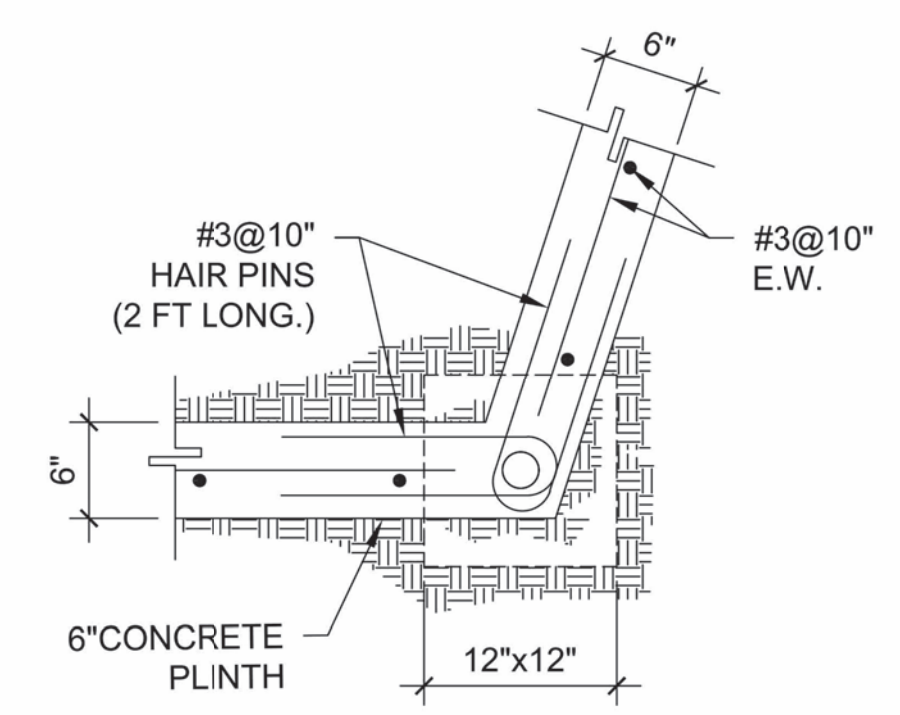
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DELIVERY DATE:	PROJECT NUMBER:
PRINT DATE & TIME:	BIM FILE NAME:
DRAWING / MODEL LOCATION:	

SHEET NO. **1DT503**  
 OF

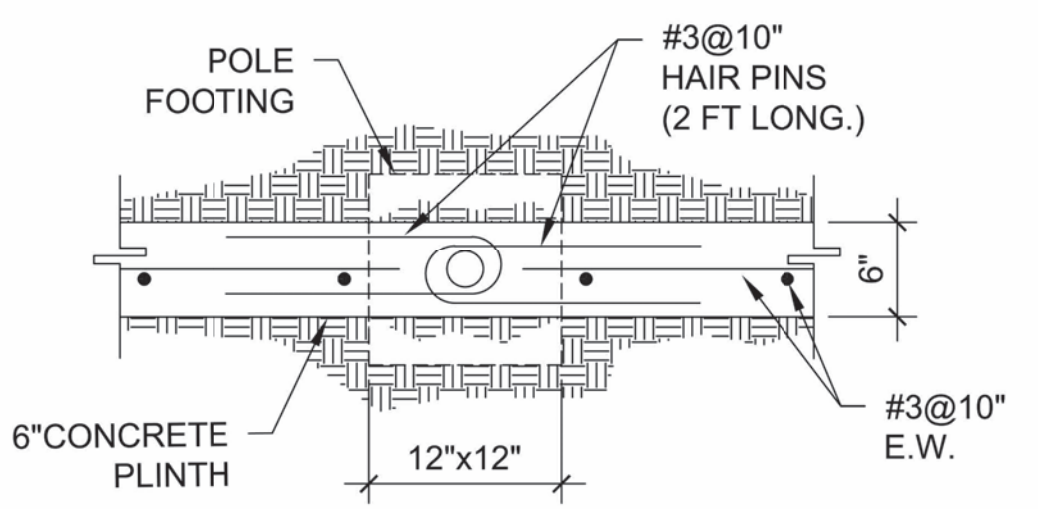
**NOTES:**

- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
- LINE POSTS 2 7/8" O.D. GALV. - STD.WEIGHT PIPE.
- TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE. PER LIN. FT. (GATE FRAME IDEM.)
- CORNER POST 2 7/8" Ø O.D. GALV. - STD. WEIGHT PIPE
- TENSION WIRE GA. NO.7 GALVANIZED
- GATE POST 4" O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
- GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOOVEN.
- STD. WEIGHT PIPE, SCHEDULE 40A. 120 9. ALL FITTINGS - EXTRA HEAVY DUTY 10. MILL CERTIFICATE SHALL BE SUBMITTED.
- TUBULAR STEEL PIPE SHALL BE INSTALL EVERY 50'-0" PANEL SPAN (SPAN=10'-0")  
 - TUBULAR STEEL PIPE SHALL BE INSTAL EVERY DIRECTIONS CHANGE IN THE FENCE.  
 - TUBULAR STEEL PIPE SHALL BE INSTALL AT EACH FENCE END PANEL.
- ALL FITTINGS - EXTRA HEAVY DUTY.
- MILL CERTIFICATE SHALL BE SUBMITTED.



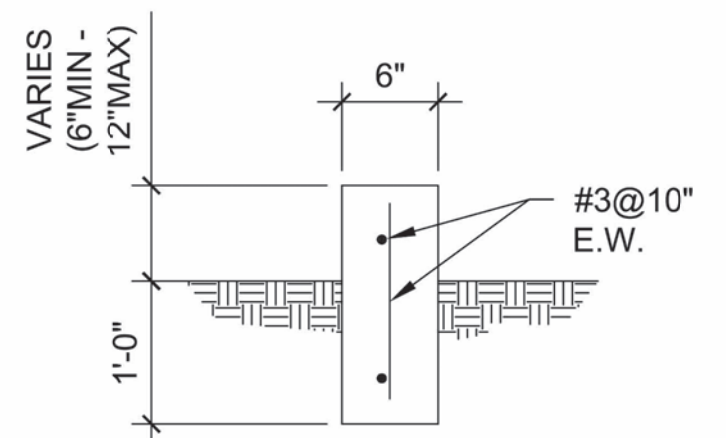
**TOP VIEW**

**ADDITIONAL REINFORCEMENT AT FENCE POLE LOCATION (AT CORNERS)**

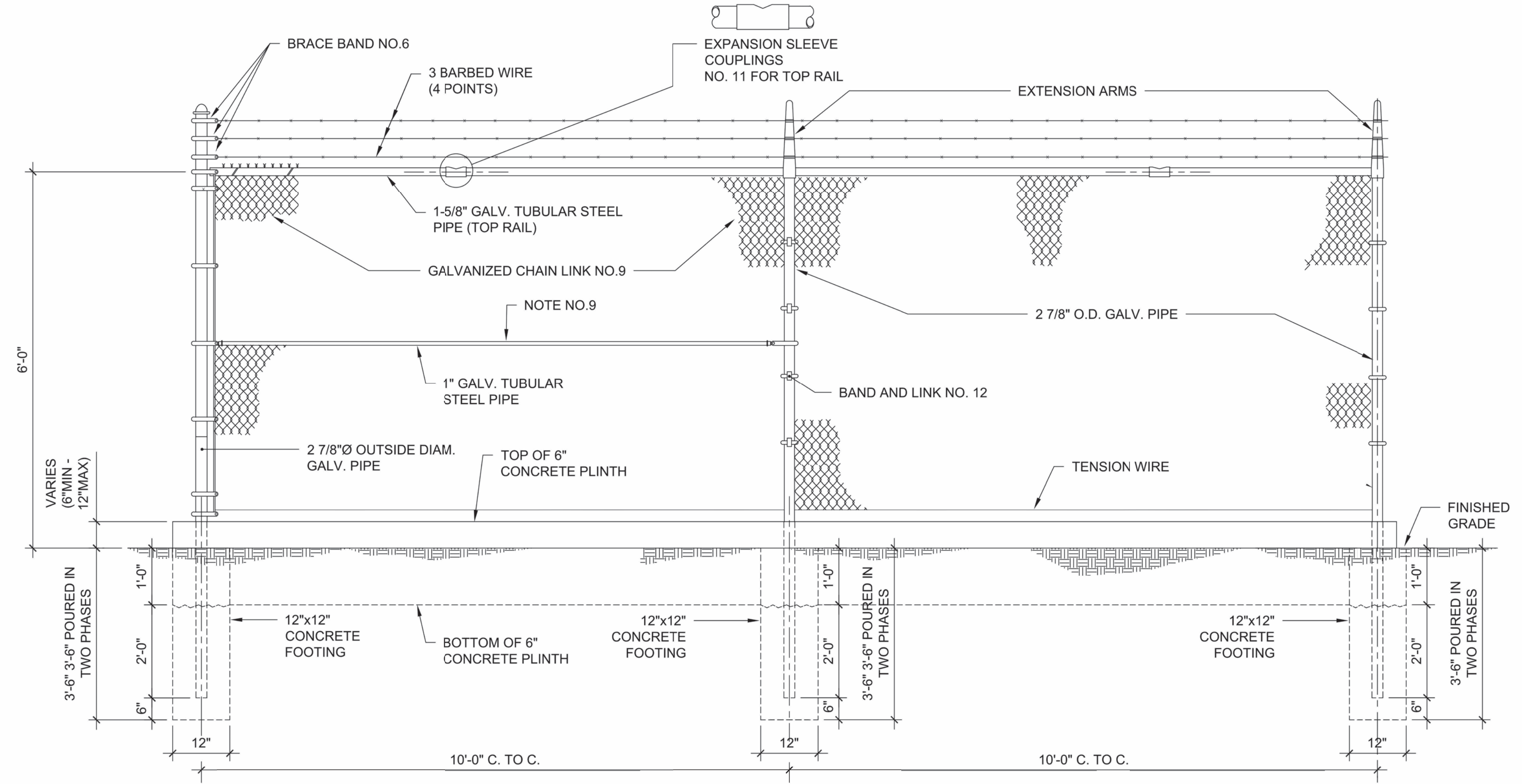


**TOP VIEW**

**ADDITIONAL REINFORCEMENT AT FENCE POLE LOCATION**



**TYPICAL 6" CONCRETE PLINTH SECTION**



**CHAIN LINK FENCE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)**

**CHAIN LINK FENCE WITH BARBED WIRE AND CONCRETE PLINTH**

1 N.T.S.



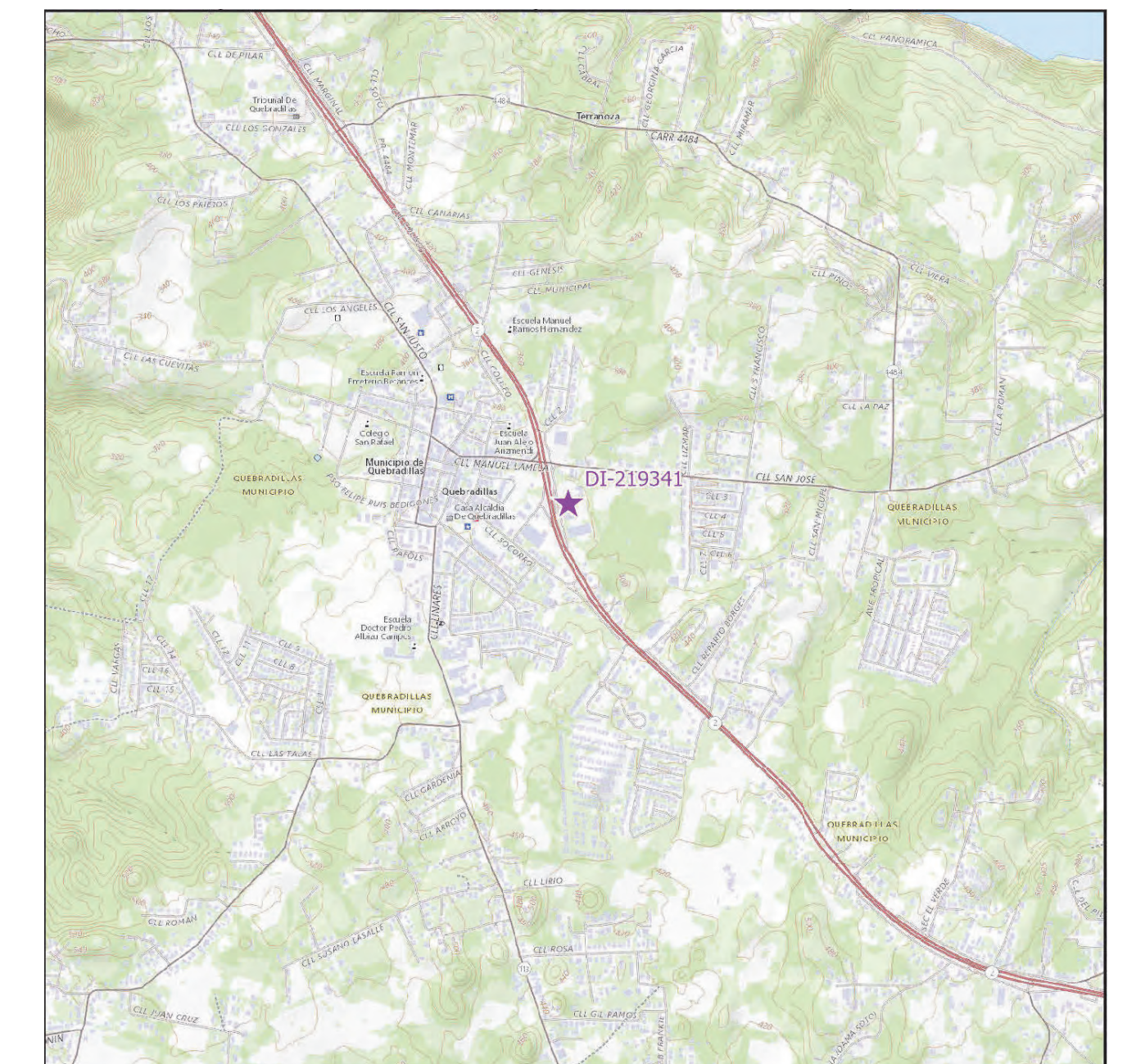
PROJECT SITE



FLOOD MAP



AERIAL PHOTO  
18.47259, -66.93419



LOCATION MAP  
SCALE 1: 20,000

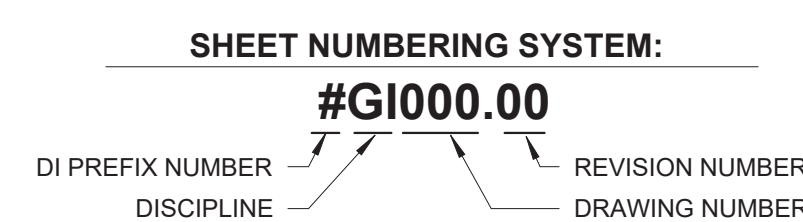
INDEX OF DRAWINGS - PW 7801, DI 219341			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	2GI001		COVER SHEET - DI 219341
00-GENERAL	2GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	2AE101		SITE PLAN BUILDING T095407000 DI 219341
05-DETAILS	2DT301		DETAILS AND SPECIFICATIONS
05-DETAILS	2DT302		DETAILS AND SPECIFICATIONS

# PRIDCO-FEMA 4339 DR PROGRAM NORTH REGION STAGE 1 BID PACKAGE N1-3

2. PW: 7801 | DI: 219341 | Bldg: T095407000

Road PR-2, Km. 100.6, San Jose Ward. Quebradillas, Puerto Rico

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



DRAWING INFORMATION:  
SHEET TITLE:

COVER SHEET - DI 219341

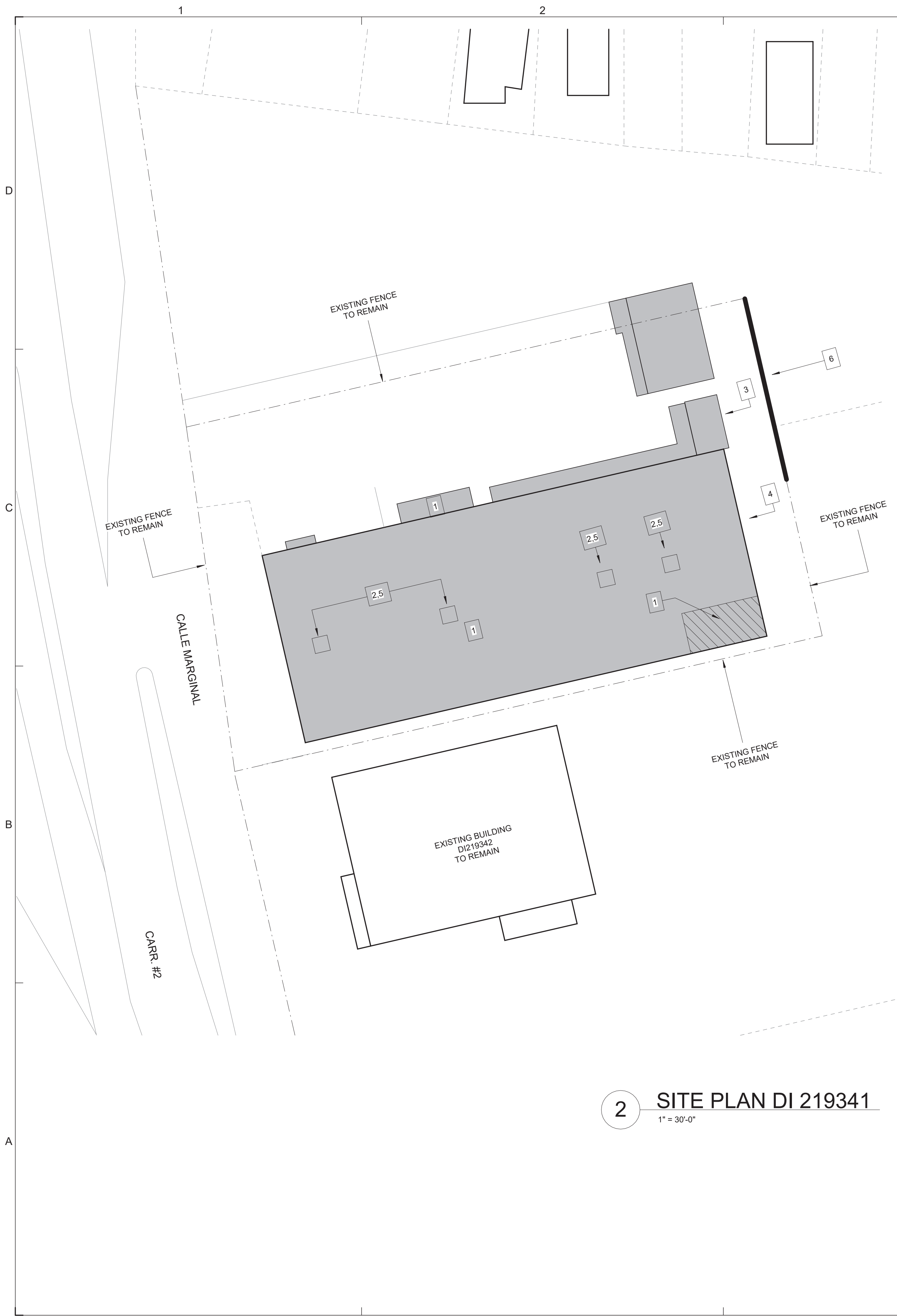
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AS SHOWN

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4/22/2024 3:28:27 PM 21-0258-02  
BIM FILE NAME:

SHEET NO. **2GI001**

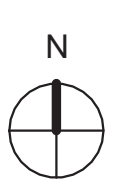
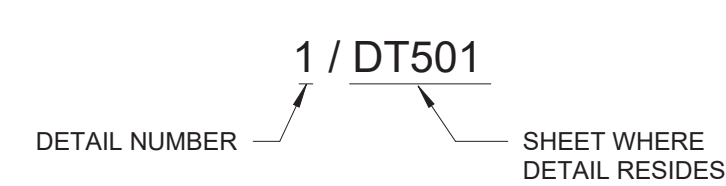




CONSTRUCTION KEY NOTES SCHEDULE DI 219341							
#ID	TYPE OF DAMAGE	DESCRIPTION	DIMENSION	QUANTITY	DETAILS	TECHNICAL SPECIFICATIONS	PHOTO
1	PA - Public Assistance	Exterior, Roof: Remove, dispose damaged material. Prepare surface. Install new 2-ply waterproofing membrane and accessories.	60 SF	60 SF	1/2DT501 8/2DT501	070150.19; 074646; 075552.16	
2	PA - Public Assistance	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	5 FT x 5 FT	4 EA	4/2DT501 6/2DT501	233416	
3	PA - Public Assistance	Exterior, Wall: Remove, dispose, and install new aluminum jalousie windows (Miami Type, ga 0.062), heavy duty hardware and accessories.	3 FT W X 5 FT H	4 EA	2/2DT501 3/2DT501	085113	
4	AD - Additional Damages	Exterior, Wall: Remove, dispose, and install new aluminum jalousie windows (Miami Type, ga 0.062), heavy duty hardware and accessories.	3 FT W X 5 FT H	5 EA	2/2DT501 3/2DT501	085113	
5	HM - Hazard Mitigation	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	4 EA	5/2DT501 7/2DT501	233416	
6	PA - Public Assistance	Exterior, Site: Remove and dispose of damaged material, install new 3-strands barbed wire (4-point).	130 LF	130 LF	1/2DT502	323113	

**2 SITE PLAN DI 219341**  
1" = 30'-0"

NOTE: SEE GENERAL NOTES, ITEM #7 IN 2GI002



**1 KEY PLAN DI 219341**  
N.T.S.



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**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRINCIPAL PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF DESIGNER: JOHANNA SALCEDO  
 I.C. AUDITOR: [blank]  
 PRINCIPAL CAD TECHNICIAN: [blank]

**PROFESSIONAL'S STATEMENT:**  
 YO, ANNETTE ALFONSO  
 NUM. LIC. 12304

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**PROJECT:**  
**PRIDCO DAMAGE IMPROVEMENTS**  
**NORTH REGION STAGE 1**  
**BID PACKAGE N1-3**  
**PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**  
 SHEET TITLE:  
**SITE PLAN BUILDING**  
**T095407000 DI 219341**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
	21-0258-02
PRINT DATE & TIME:	BIM FILE NAME:
4/22/2024 3:28:29 PM	
DRAWING / MODEL LOCATION:	

SHEET NO:  
**2AE101**  
 OF

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
PRIME PROFESSIONAL:  
ANNETTE ALFONSO  
PROFESSIONAL OF RECORD:  
ANNETTE ALFONSO  
STAFF DESIGNER:  
JOHANNA SALCEDO  
I.C. AUDITOR:

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:  
**DETAILS AND SPECIFICATIONS**

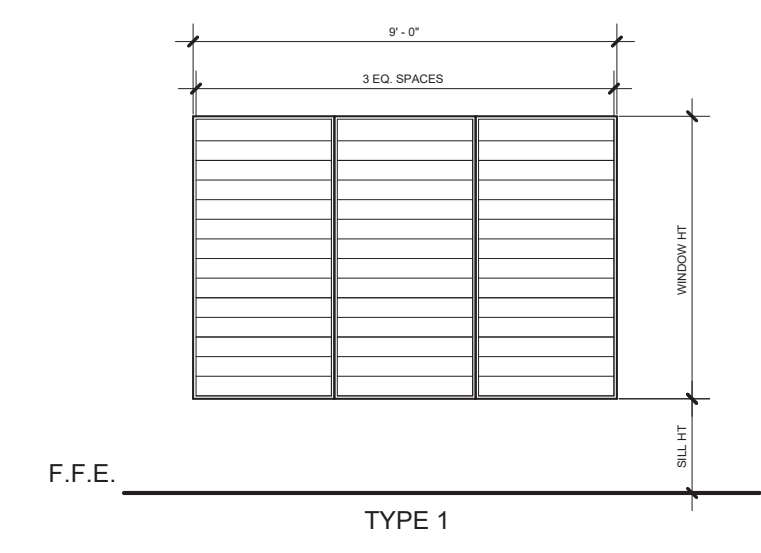
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PRINT DATE & TIME: 4/22/2024 3:28:30 PM	BIM FILE NAME:
DRAWING / MODEL LOCATION:	

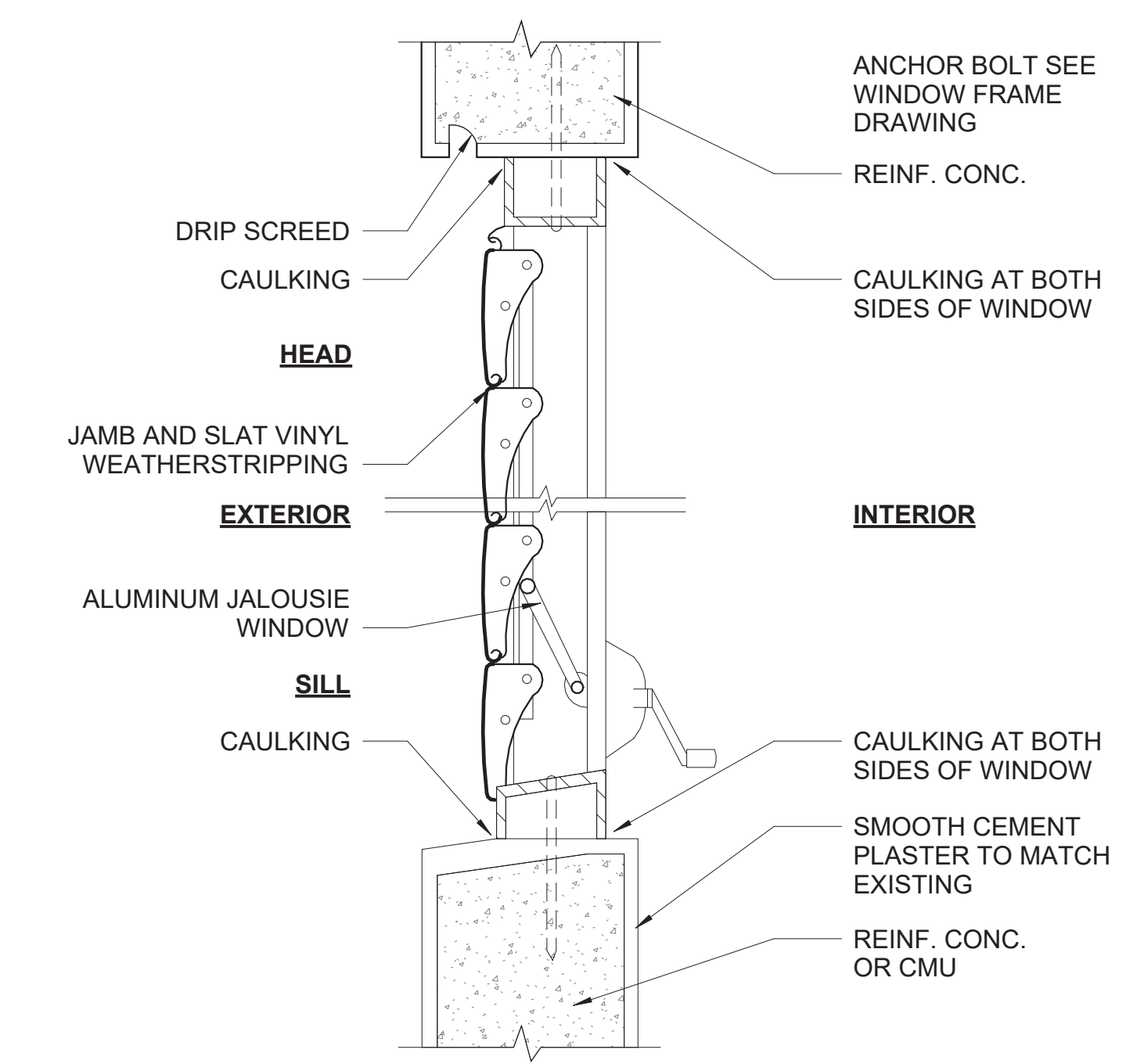
SHEET NO.  
**2DT501**  
OF

TYPE	WINDOW TYPES				MATERIAL	
	OPENING SIZE		UNITS PER OPENING	SILL HEIGHT	WINDOW	FRAME
	WIDTH	HEIGHT				
1	9' - 0"	5' - 0"	3	3' - 0"	0.062-GAUGE MIAMI TYPE	ALUMINUM

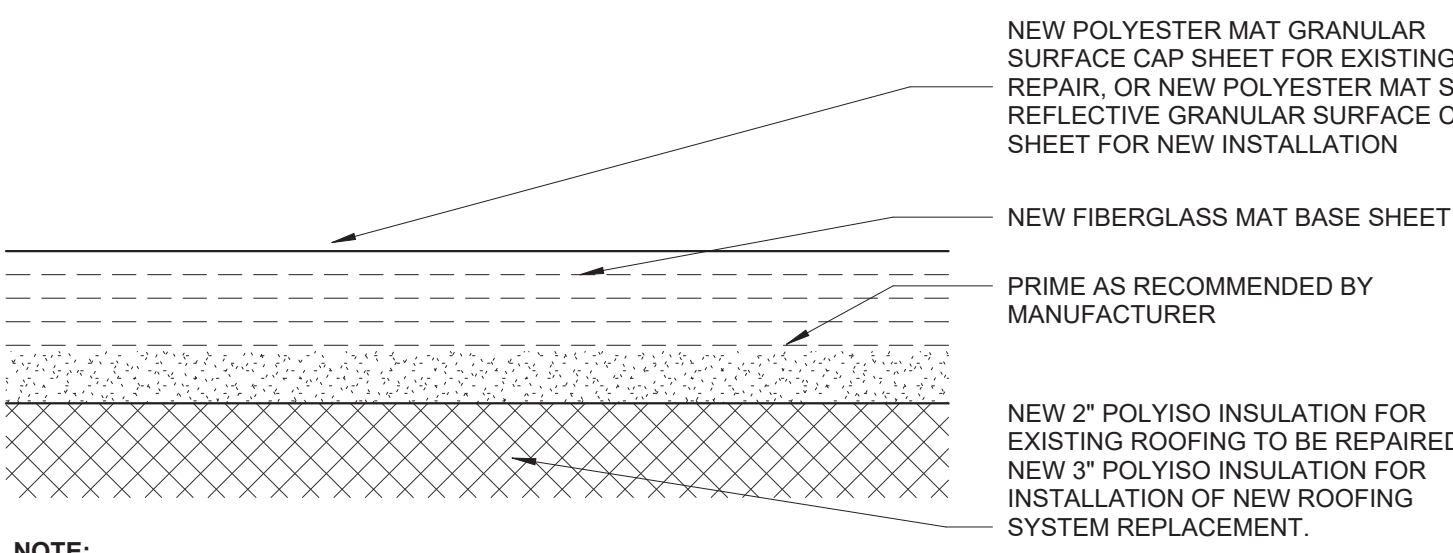
- NOTES:**
- FOR WINDOWS AND DOORS PRESSURE DESIGN, REFER TO SB103 - TYPICAL WALL WIND LOADS DIAGRAM.
  - VERIFY DIMENSIONS AT FIELD PRIOR TO FABRICATING AND INSTALLING DOORS, WINDOW, AND STOREFRONT SYSTEM.
  - INTERIOR AND EXTERIOR GALVANIZED STEEL DOORS SHALL BE FACTORY PAINTED COLOR. TBD BY ARCHITECT.
  - IF STATED IN CONSTRUCTION KEY NOTES SCHEDULE IN SHEET 2AE101, WINDOWS SHALL BE HURRICANE WIND AND MISSILE IMPACT RESISTANT.



**3 TYPICAL WINDOWS**  
N.T.S.

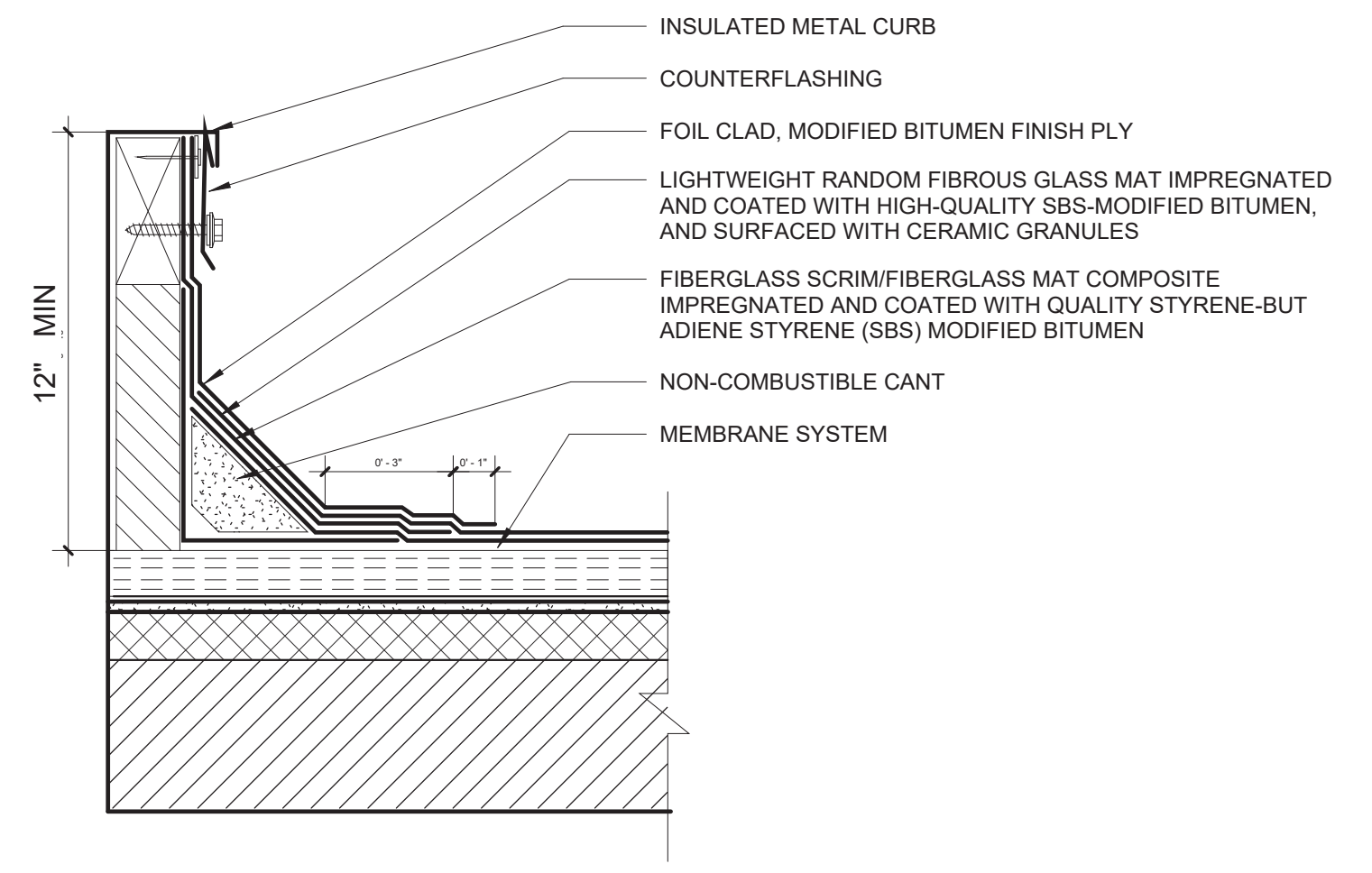


**2 WINDOW SILL & HEAD DETAIL**  
N.T.S.

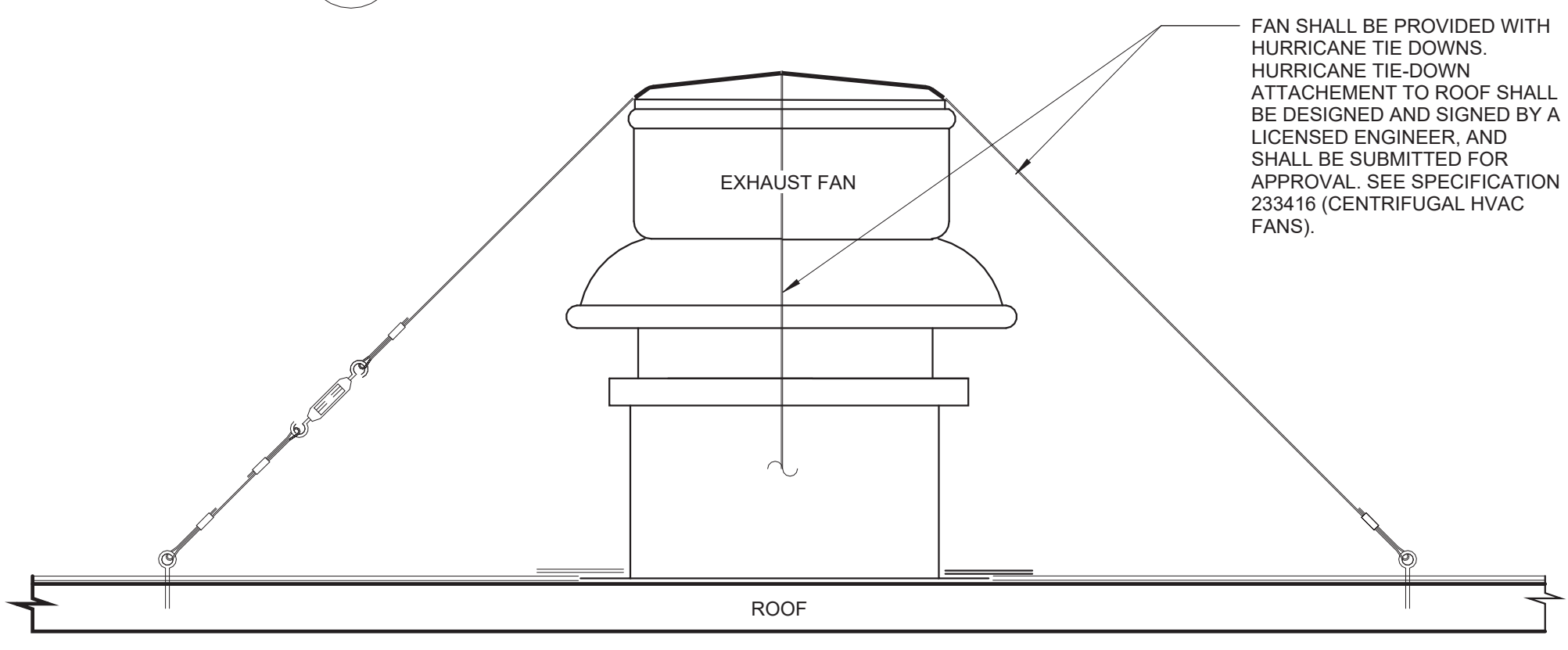


**NOTE:**  
FOR REPAIR WORK INSTALLATION OF NEW MEMBRANE MUST BEGIN AT LOWER PORTION OF ROOF MOVE UP TOWARDS UPPER ROOF RIDGE. NEW MEMBRANE MUST OVERLAP AT LEAST 3'-0" FROM REPAIRED PATCH PORTION ON ALL SIDES. CONTRACTOR TO VERIFY IN FIELD.

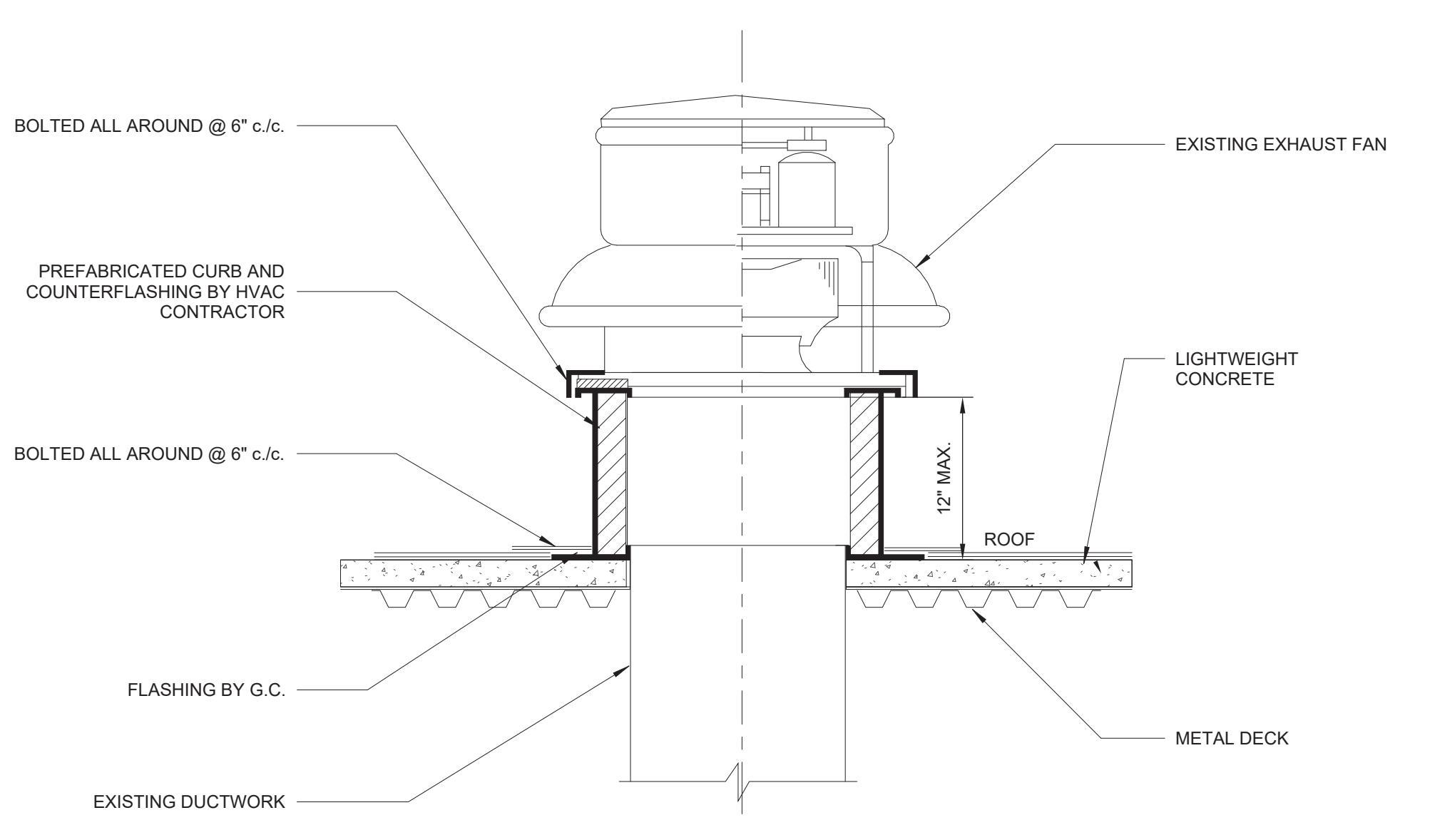
**1 2-PLY SBS BITUMINOUS MEMBRANE SECTION**  
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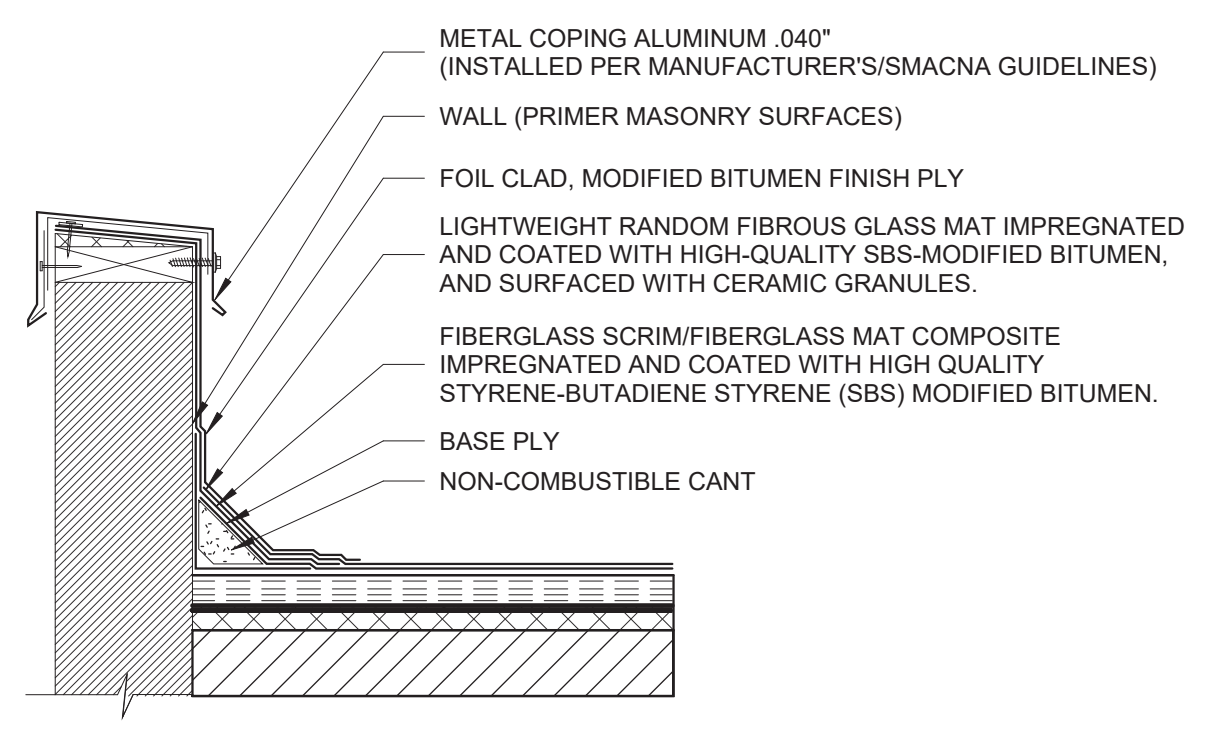
**6 FLASHING AT EXHAUST FAN CURB DETAIL**  
N.T.S.



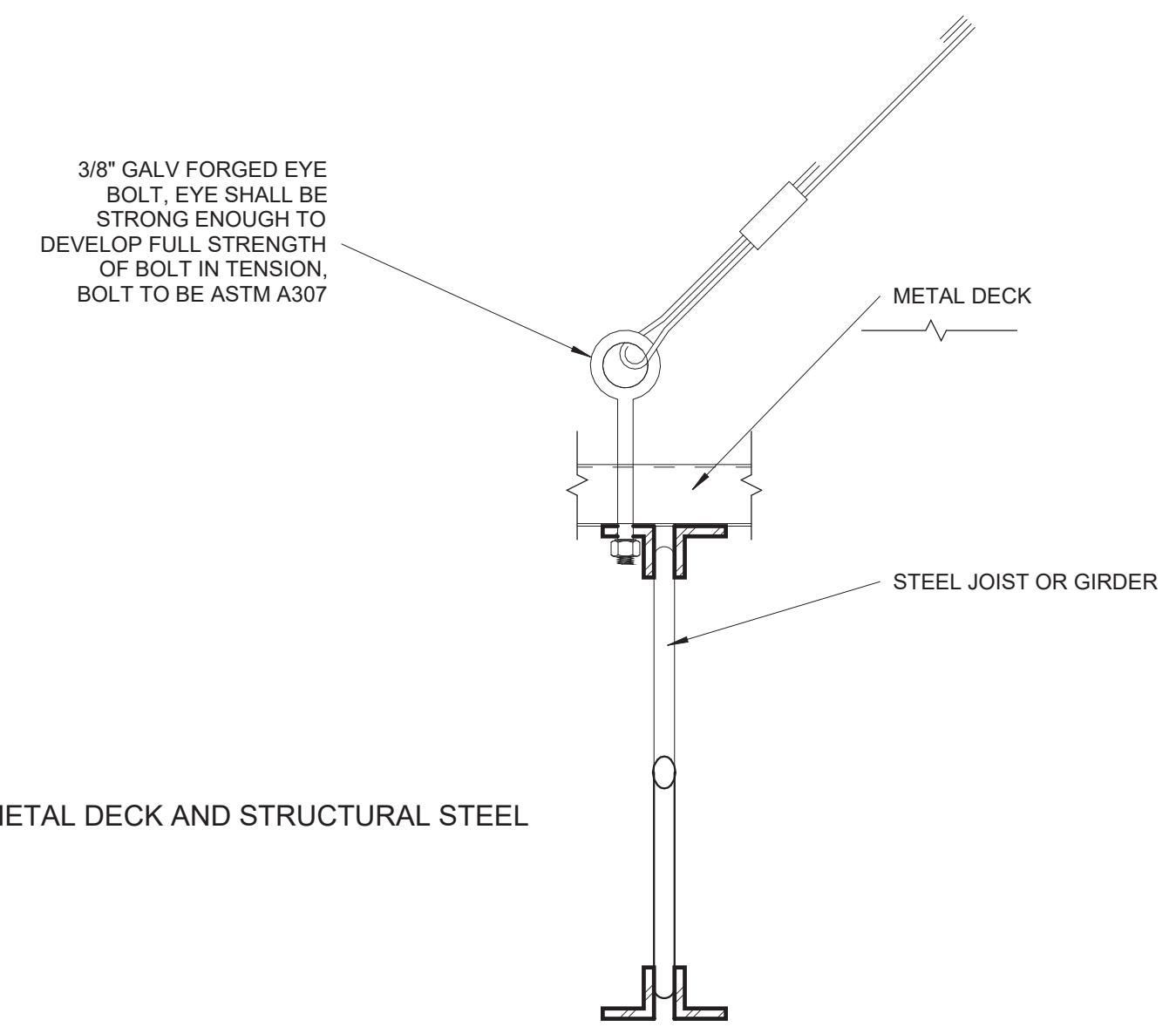
**5 EXHAUST FAN ROOF TIE-DOWN**  
N.T.S.



**4 EXHAUST FAN ROOF CURB DETAIL**  
N.T.S.



**8 CAP FLASHING DETAIL**  
N.T.S.



**7 EXHAUST FAN ROOF TIE-DOWN ROOF ANCHOR**  
N.T.S.

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FOR: **PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRIME PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF DESIGNER: JOHANNA SALCEDO  
 I.C. AUDITOR:   
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**PROJECT:**  
**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

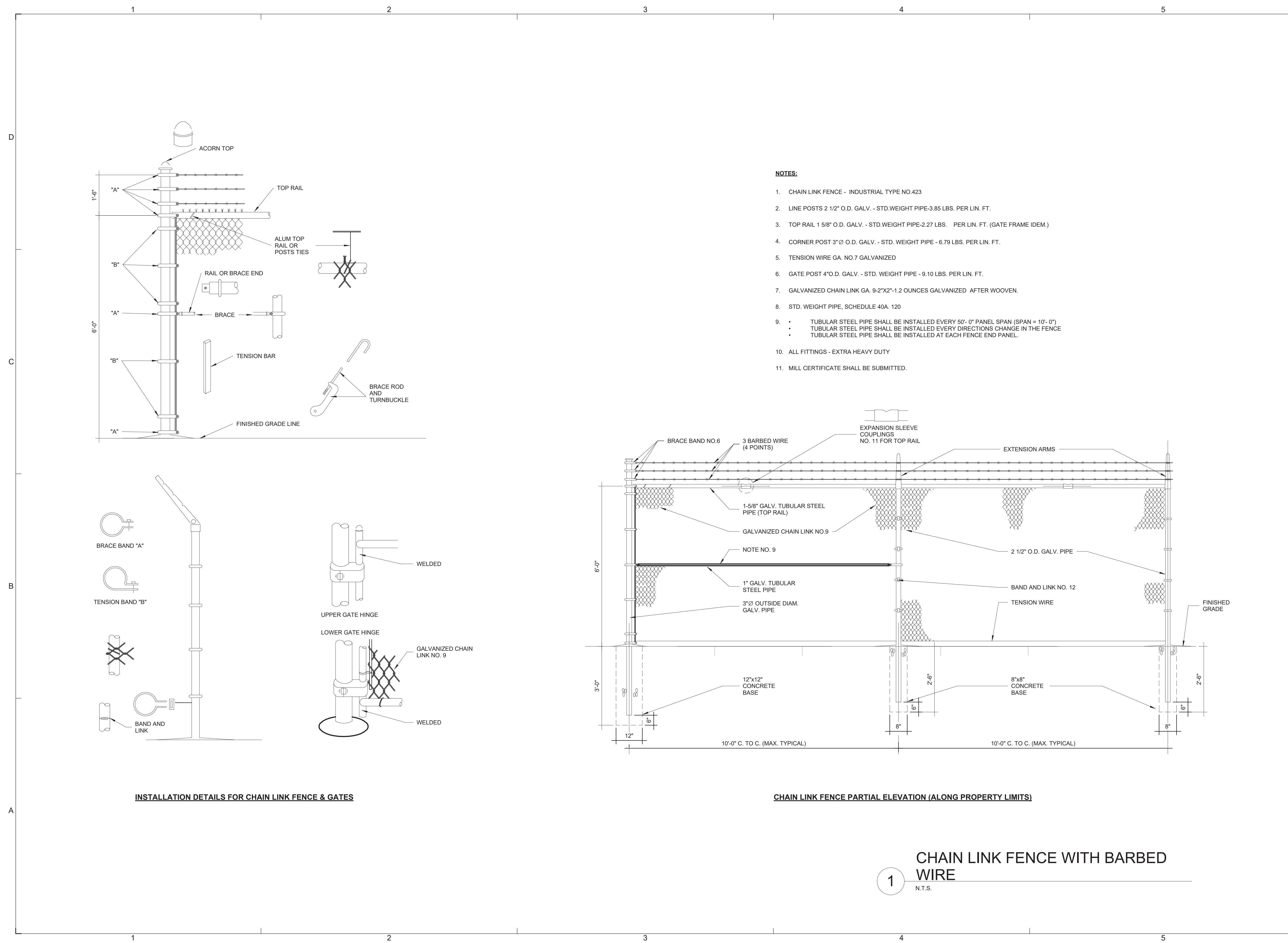
**DRAWING INFORMATION:**  
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**DETAILS AND SPECIFICATIONS**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
PRINT DATE & TIME:	BIM FILE NAME:
DRAWING / MODEL LOCATION:	

SHEET NO:  
**2DT502**  
 OF



**NOTES:**

- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
- LINE POSTS 2 1/2" O.D. GALV. - STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
- TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
- CORNER POST 3" O.D. GALV. - STD. WEIGHT PIPE - 6.79 LBS. PER LIN. FT.
- TENSION WIRE GA. NO.7 GALVANIZED
- GATE POST 4"O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
- GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOOVEN.
- STD. WEIGHT PIPE, SCHEDULE 40A, 120
- TUBULAR STEEL PIPE SHALL BE INSTALLED EVERY 50'-0" PANEL SPAN (SPAN = 10'-0")
- TUBULAR STEEL PIPE SHALL BE INSTALLED EVERY DIRECTIONS CHANGE IN THE FENCE
- TUBULAR STEEL PIPE SHALL BE INSTALLED AT EACH FENCE END PANEL.
- ALL FITTINGS - EXTRA HEAVY DUTY
- MILL CERTIFICATE SHALL BE SUBMITTED.

**INSTALLATION DETAILS FOR CHAIN LINK FENCE & GATES**

**CHAIN LINK FENCE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)**

**CHAIN LINK FENCE WITH BARBED WIRE**

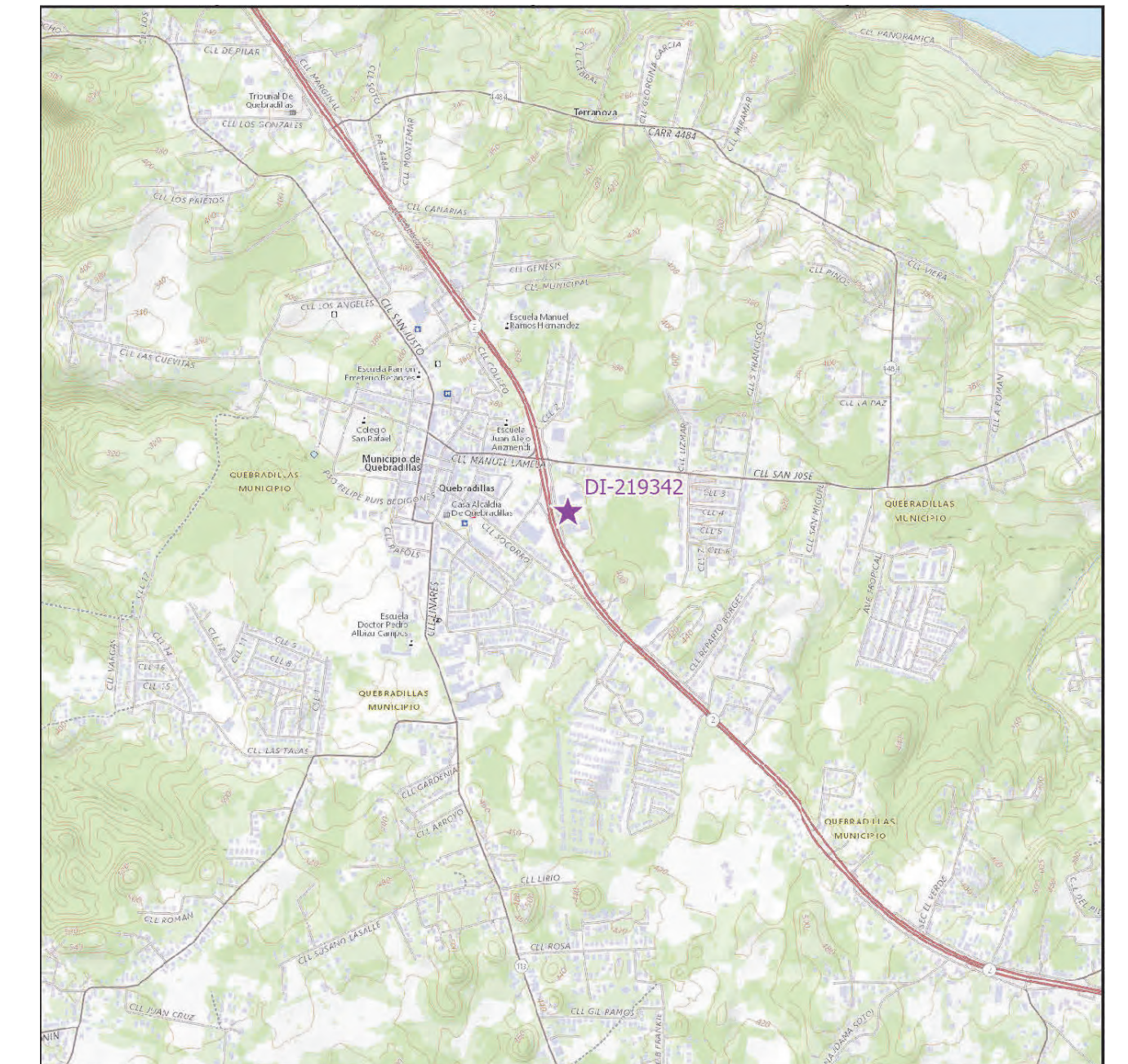
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 N.T.S.



FLOOD MAP



AERIAL PHOTO  
18.47226, -66.93412



LOCATION MAP  
SCALE 1: 20,000

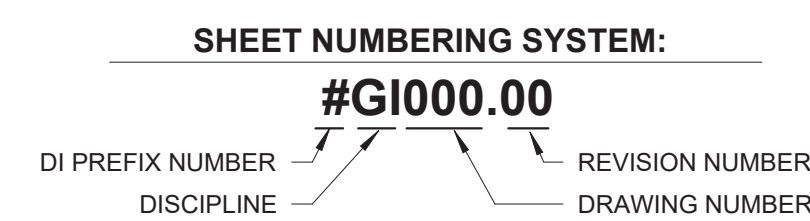
INDEX OF DRAWINGS - PW 7801, DI 219342			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	3GI001		COVER SHEET - DI 219342
00-GENERAL	3GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	3AE101		SITE PLAN BUILDING T102907000 DI 219342
05-DETAILS	3DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	3DT502		DETAILS AND SPECIFICATIONS

# PRIDCO-FEMA 4339 DR PROGRAM NORTH REGION STAGE 1 BID PACKAGE N1-3

3. PW: 7801 | DI: 219342 | Bldg: T102907000

Road PR-2, Km. 100.7, San Jose Ward Quebradillas, Puerto Rico

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



DRAWING INFORMATION:  
SHEET TITLE:

COVER SHEET - DI 219342

SCALE:

AS SHOWN

DELIVERY DATE:

PROJECT NUMBER:  
21-0258-02





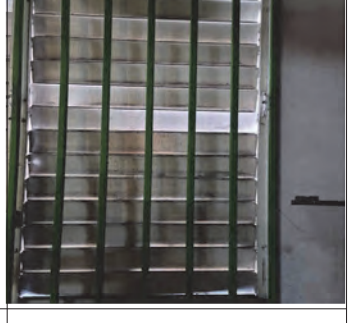

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4/22/2024 3:28:32 PM

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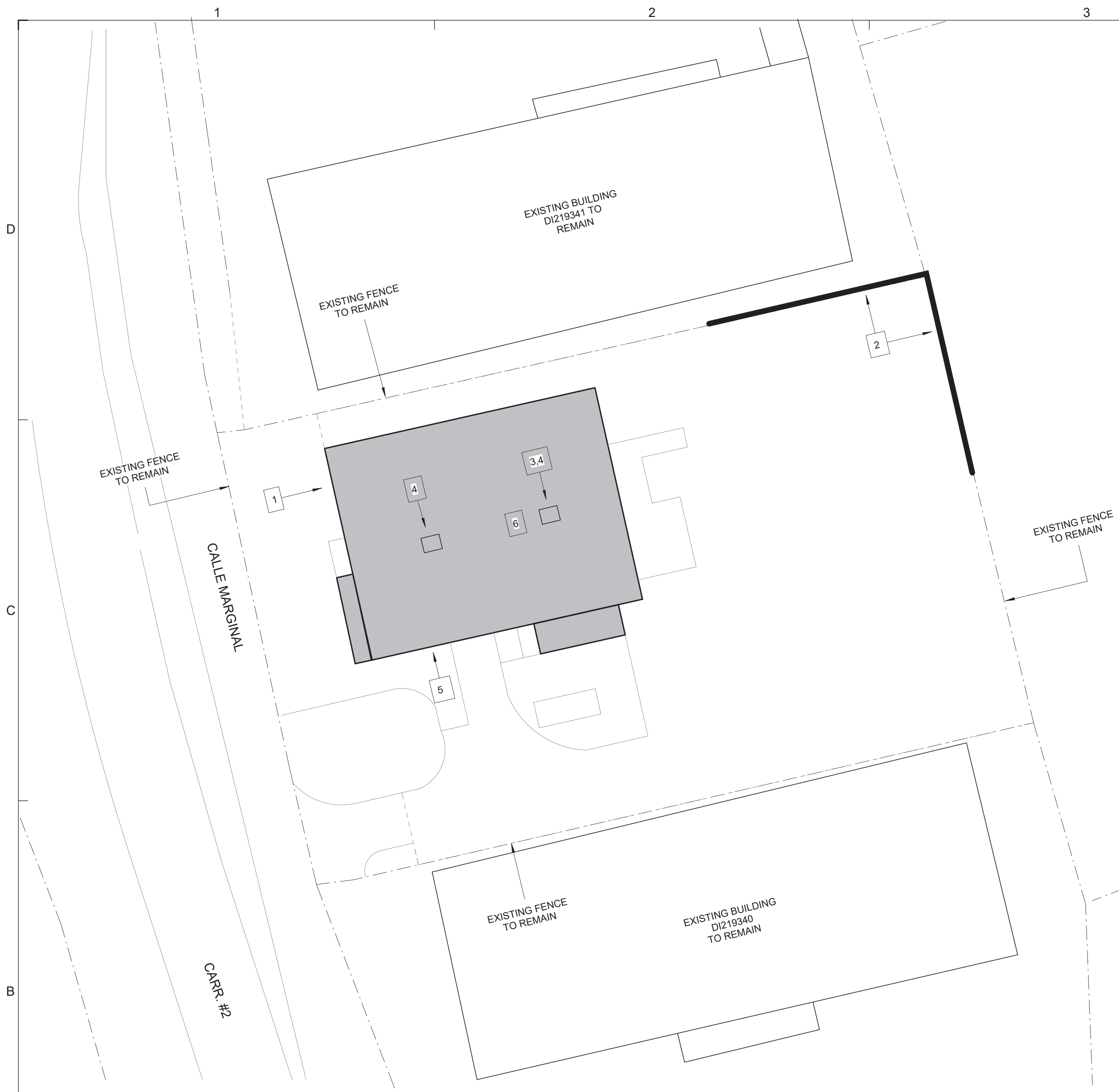
DRAWING / MODEL LOCATION:

SHEET NO.  
**3GI001**

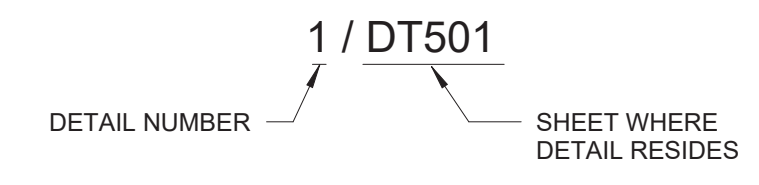


CONSTRUCTION KEY NOTES SCHEDULE DI 219342							
# ID	TYPE OF DAMAGE	DESCRIPTION	DIMENSION	QUANTITY	DETAIL	TECHNICAL SPECIFICATIONS	PHOTO.
1	PA - Public Assistance	Exterior, Wall: Remove loose cement plaster and prepare surface to receive new cement plaster to match existing and prime and paint.	-	20 SF	-	092400	
2	PA - Public Assistance	Exterior, Site: Remove and dispose existing damaged material, install new chain link fence (Galv. Ga. No. 9, Post- 2 1/2" diam. galv., 3-strands barbed wire (4-point))	100 LF L x 6 FT H	100 LF	1/3DT502	323113	
3	AD - Additional Damages	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	5 FT x 5 FT	1 EA	1/3DT501 4/3DT501	233416	
4	AD - Additional Damages	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	2 EA	2/3DT501 3/3DT501	233416	
5	AD - Additional Damages	Exterior, Wall: Remove damaged material and install new aluminum jalousie window operator.	-	6 EA	-	085113	
6	AD - Additional Damages	Interior, Wall: Repair Mortar System Shrinkage Compensated Repair Mortar	4 FT L x 4 FT W	0.30 CYD	-	030130	

NOTE: SEE GENERAL NOTES, ITEM #7 IN 3GI002



2 SITE PLAN DI 219342  
1" = 30'-0"



1 KEY PLAN DI 219342  
N.T.S.



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**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRINCIPAL PROFESSIONAL:  
 ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD:  
 ANNETTE ALFONSO  
 STAFF DESIGNER:  
 JOHANNA SALCEDO  
 I.C. AUDITOR:

PRINCIPAL CAD TECHNICIAN:

**PROFESSIONAL'S STATEMENT:**

YO, ANNETTE ALFONSO  
 NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCIONO, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN, CERTIFICO QUE ENTENDO QUE DICHS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADICIONALMENTE, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUENA Y CON LA LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA, SEGUN APLIQUE; RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPE.

**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
 NORTH REGION STAGE 1  
 BID PACKAGE N1-3  
 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**  
 SHEET TITLE:

**SITE PLAN BUILDING  
 T102907000 DI 219342**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
	21-0258-02
PRINT DATE & TIME:	BIM FILE NAME:
4/22/2024 3:28:34 PM	
DRAWING / MODEL LOCATION:	

SHEET NO:  
**3AE101**  
 OF



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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY**  
**PRIDCO**

**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRIME PROFESSIONAL:  
 ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD:  
 ANNETTE ALFONSO  
 STAFF ENGINEER:  
 JOHANNA SALCEDO  
 I.C. AUDITOR:  
 PRINCIPAL CAD TECHNICIAN:

**PROFESSIONAL'S STATEMENT:**

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
 NORTH REGION STAGE 1  
 BID PACKAGE N1-3  
 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

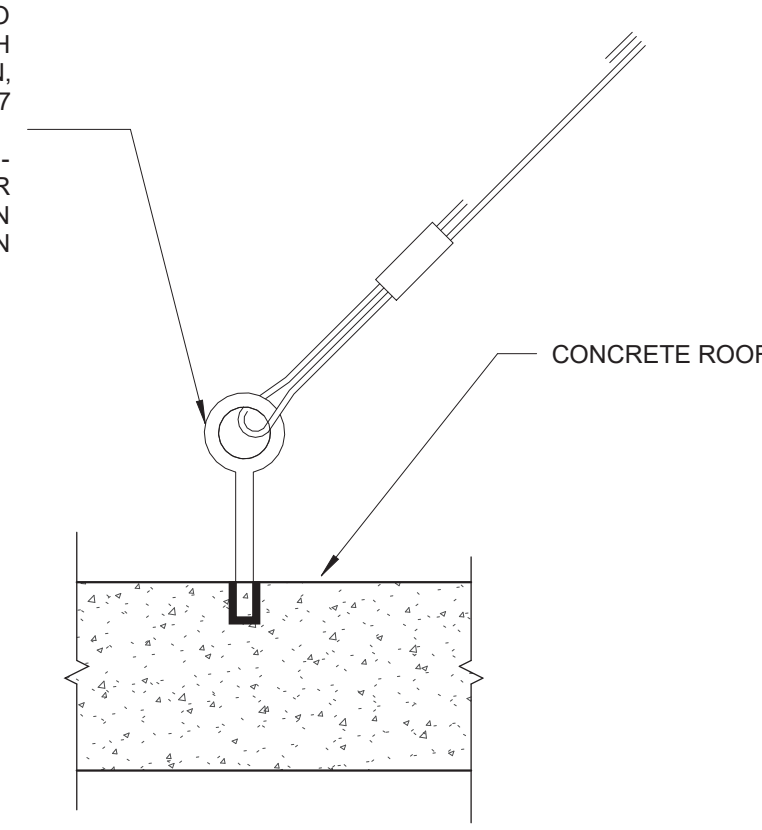
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**DETAILS AND SPECIFICATIONS**

SCALE:  
**AS SHOWN**

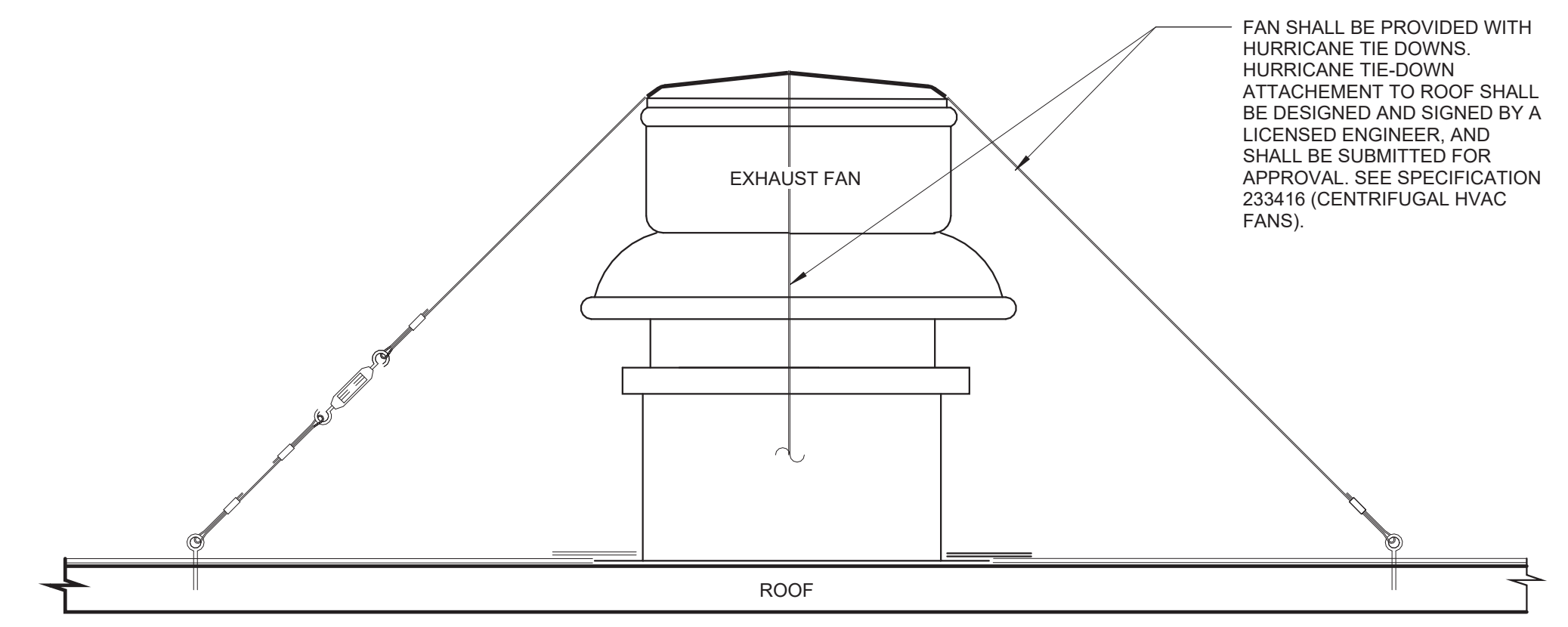
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PRINT DATE & TIME: 4/22/2024 3:28:34 PM	BIM FILE NAME:
DRAWING / MODEL LOCATION:	

SHEET NO.  
**3DT501**  
 OF

3/8" GALV FORGED EYE BOLT, EYE SHALL BE STRONG ENOUGH TO DEVELOP FULL STRENGTH OF BOLT IN TENSION, BOLT TO BE ASTM A307  
 ANCHOR IN TO CONCRETE WITH HLTi HDI-P TZ DROP-IN ANCHOR OR SIMILAR QUANTITY OF ANCHORS SHAL BE DESIGN BASED ON CALCULATED TIE TENSION

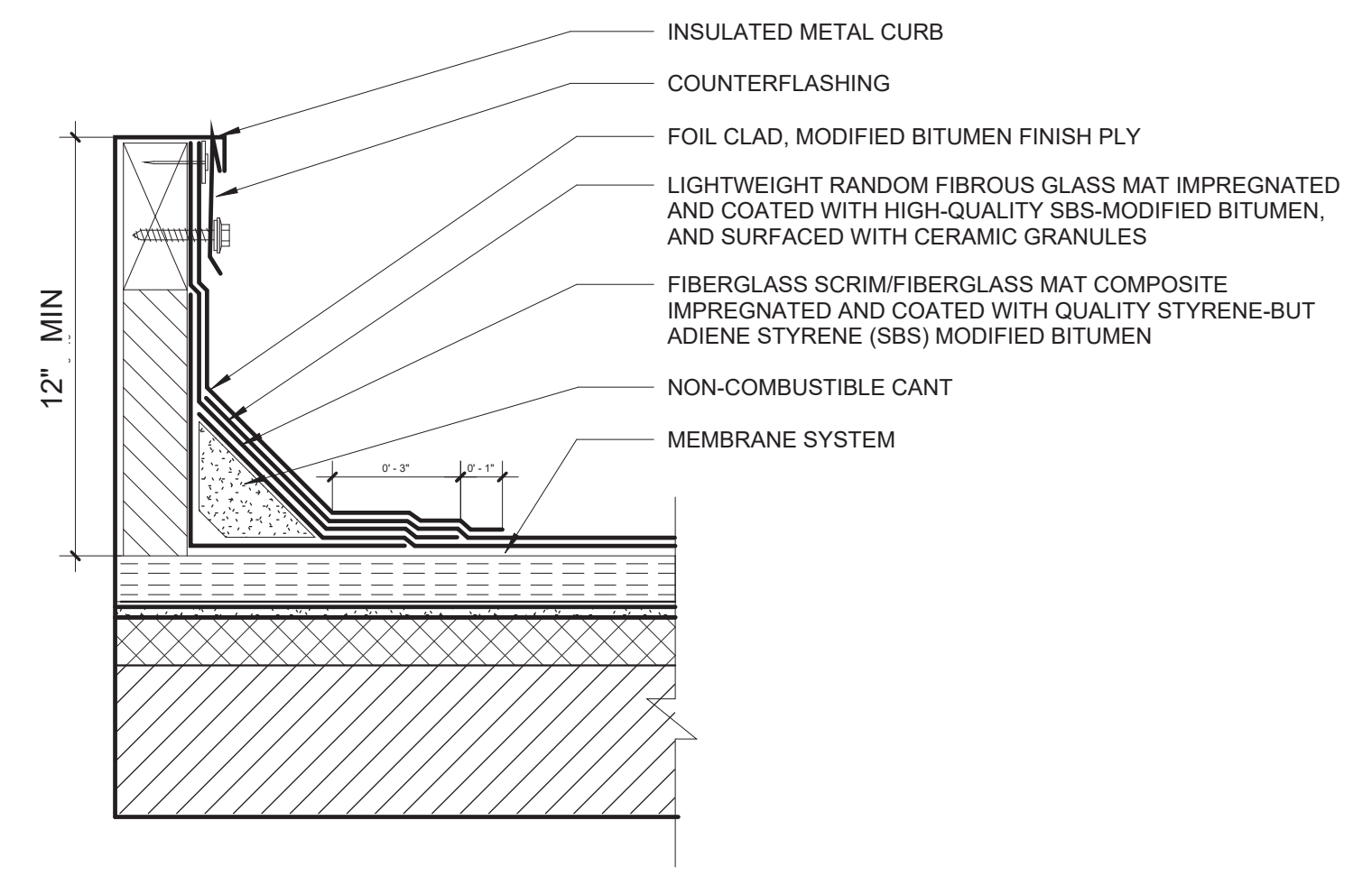


**3 EXHAUST FAN ROOF TIE-DOWN ROOF ANCHOR**  
 N.T.S.

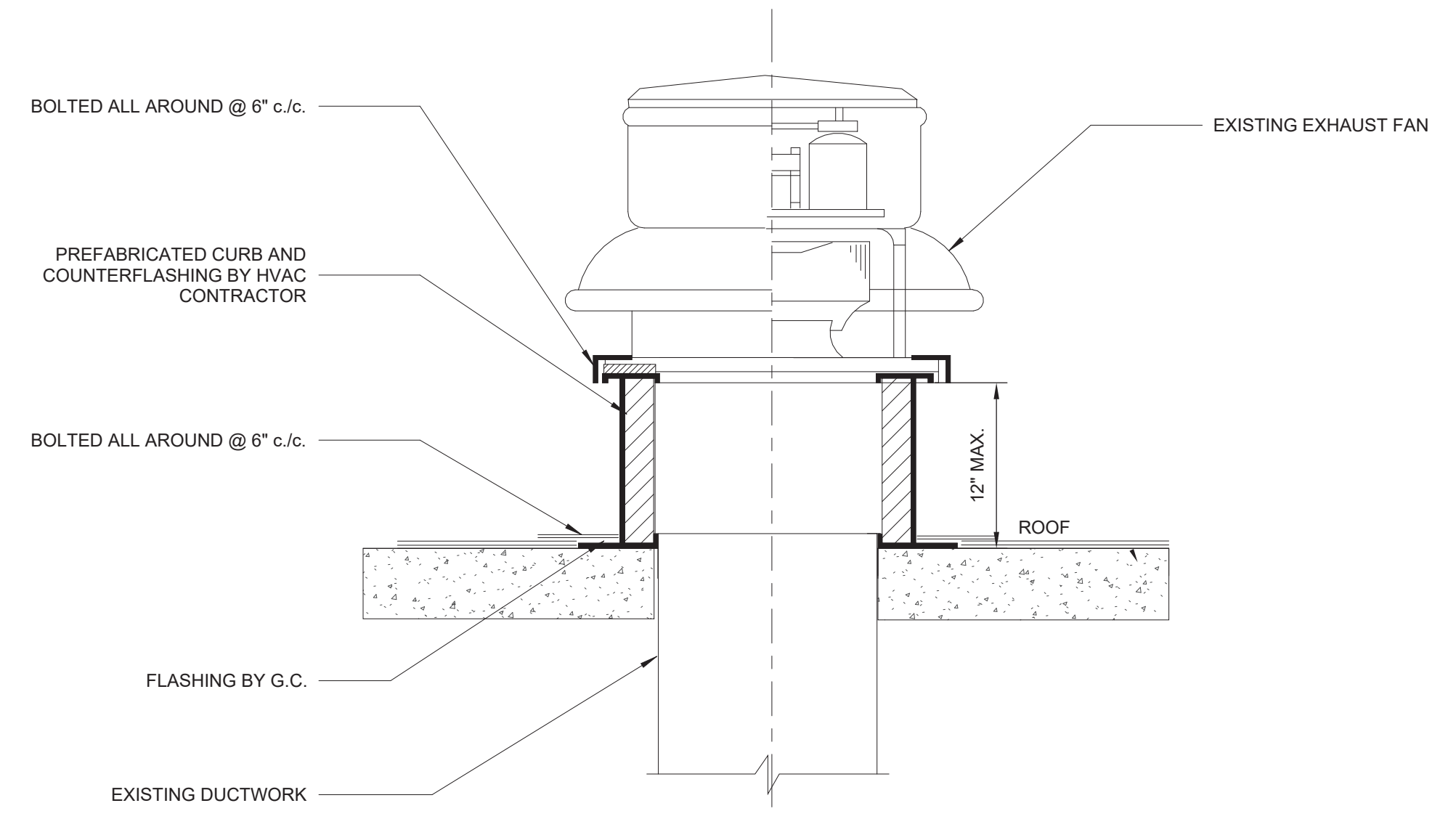


FAN SHALL BE PROVIDED WITH HURRICANE TIE DOWNS. HURRICANE TIE-DOWN ATTACHEMENT TO ROOF SHALL BE DESIGNED AND SIGNED BY A LICENSED ENGINEER, AND SHALL BE SUBMITTED FOR APPROVAL. SEE SPECIFICATION 233416 (CENTRIFUGAL HVAC FANS).

**2 EXHAUST FAN ROOF TIE-DOWN**  
 N.T.S.



**4 FLASHING AT EXHAUST FAN CURB DETAIL**  
 N.T.S.



**1 EXHAUST FAN ROOF CURB DETAIL**  
 N.T.S.

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FOR: **PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRIME PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF DESIGNER: JOHANNA SALCEDO  
 Q.C. AUDITOR:   
 PRINCIPAL CAD TECHNICIAN:   
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**PROJECT:**  
**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

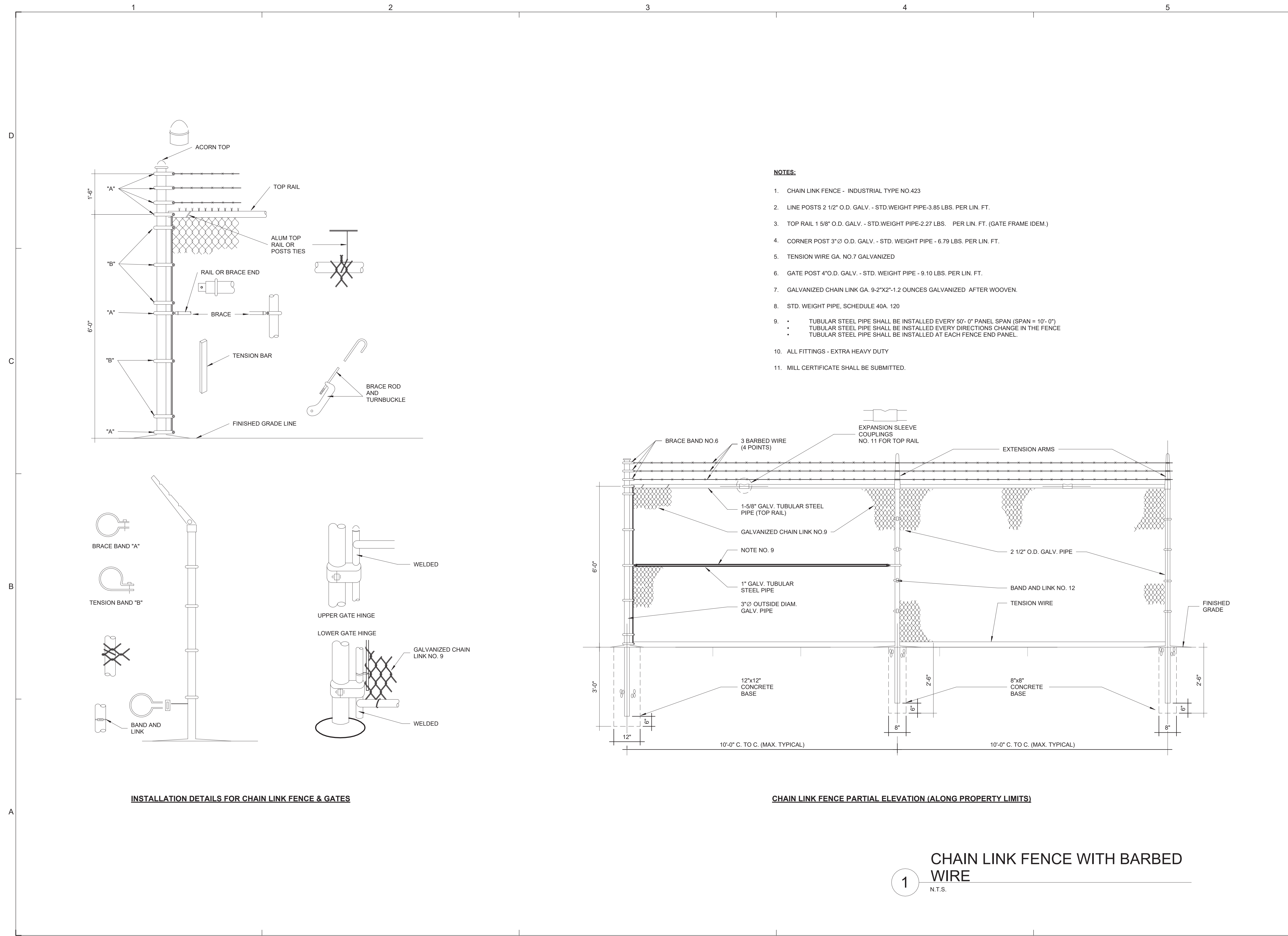
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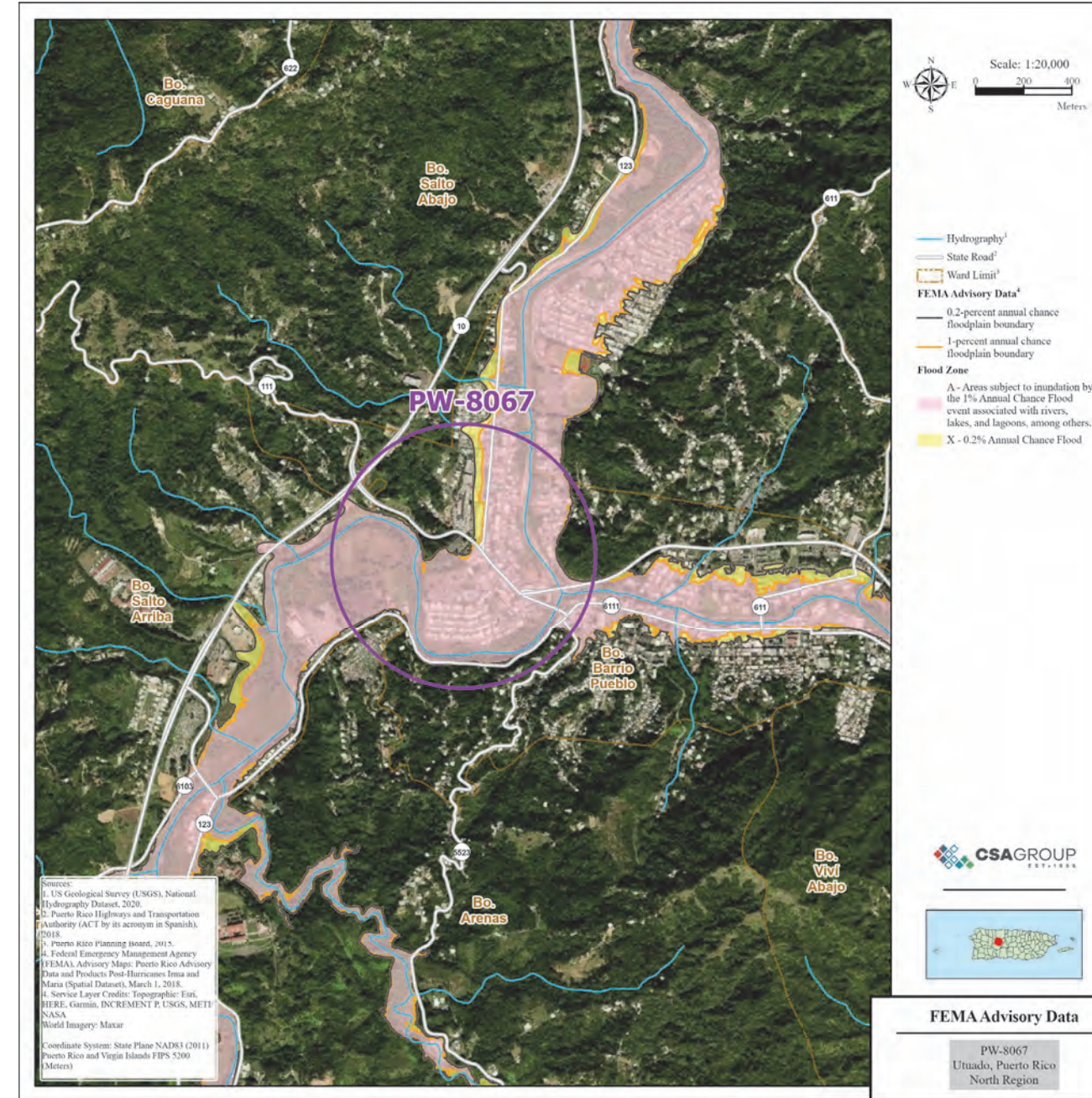
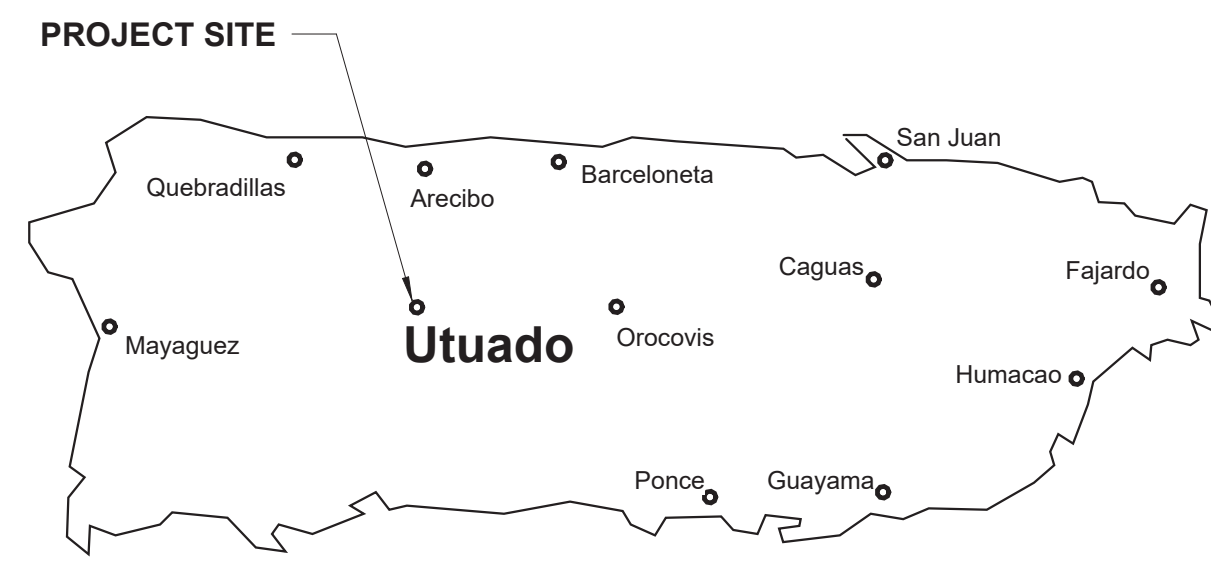
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DELIVERY DATE:	PROJECT NUMBER:
4/22/2024 3:28:35 PM	21-0258-02
DRAWING / MODEL LOCATION:	BIM FILE NAME:

SHEET NO:  
**3DT502**  
 OF



- NOTES:**
- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
  - LINE POSTS 2 1/2" O.D. GALV. - STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
  - TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
  - CORNER POST 3" O.D. GALV. - STD. WEIGHT PIPE - 6.79 LBS. PER LIN. FT.
  - TENSION WIRE GA. NO.7 GALVANIZED
  - GATE POST 4" O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
  - GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOVEN.
  - STD. WEIGHT PIPE, SCHEDULE 40A. 120
  - TUBULAR STEEL PIPE SHALL BE INSTALLED EVERY 50'-0" PANEL SPAN (SPAN = 10'-0")
  - TUBULAR STEEL PIPE SHALL BE INSTALLED EVERY DIRECTIONS CHANGE IN THE FENCE
  - TUBULAR STEEL PIPE SHALL BE INSTALLED AT EACH FENCE END PANEL.
  - ALL FITTINGS - EXTRA HEAVY DUTY
  - MILL CERTIFICATE SHALL BE SUBMITTED.



FLOOD MAP



AERIAL PHOTO



LOCATION MAP  
SCALE 1:20,000

INDEX OF DRAWINGS - PW 8067, DI 219458

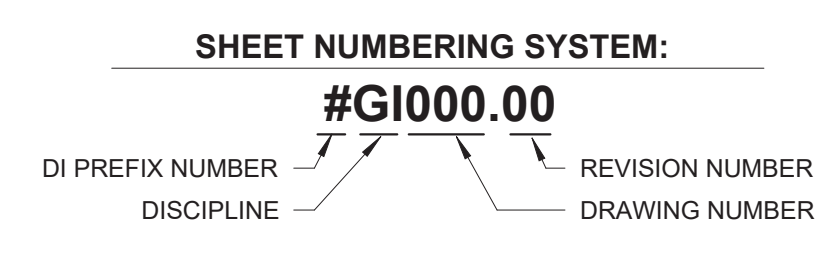
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00-GENERAL	4GI001		COVER SHEET - DI 219458
00-GENERAL	4GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	4AE101		SITE PLAN BUILDING T089406700 DI 219458
05-DETAILS	4DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	4DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	4DT503		DETAILS AND SPECIFICATIONS

# NORTH REGION STAGE 1 BID PACKAGE N1-3 PRIDCO-FEMA 4339 DR PROGRAM

REPAIR AND IMPROVEMENTS OF INDUSTRIAL BUILDINGS OF THE  
PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY FOR THE:

4. PW: 8067 / DI: 219458 / Bldg: T089406700 / Mun: Utuado

FEBRUARY 21, 2024



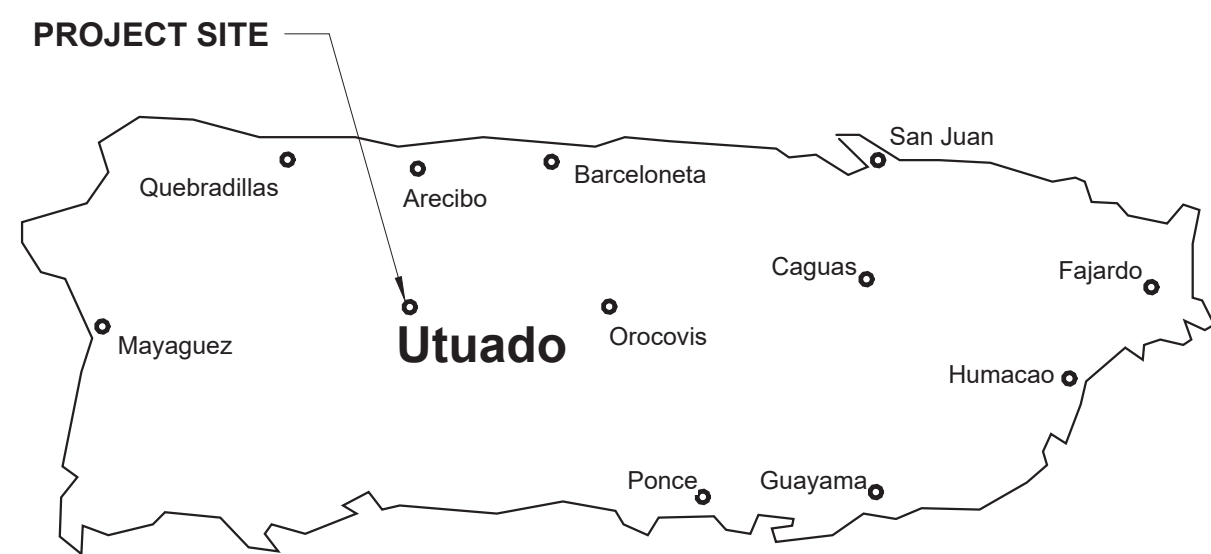
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SHEET TITLE:  
**COVER SHEET PW 8067**

SCALE:  
**AS SHOWN**

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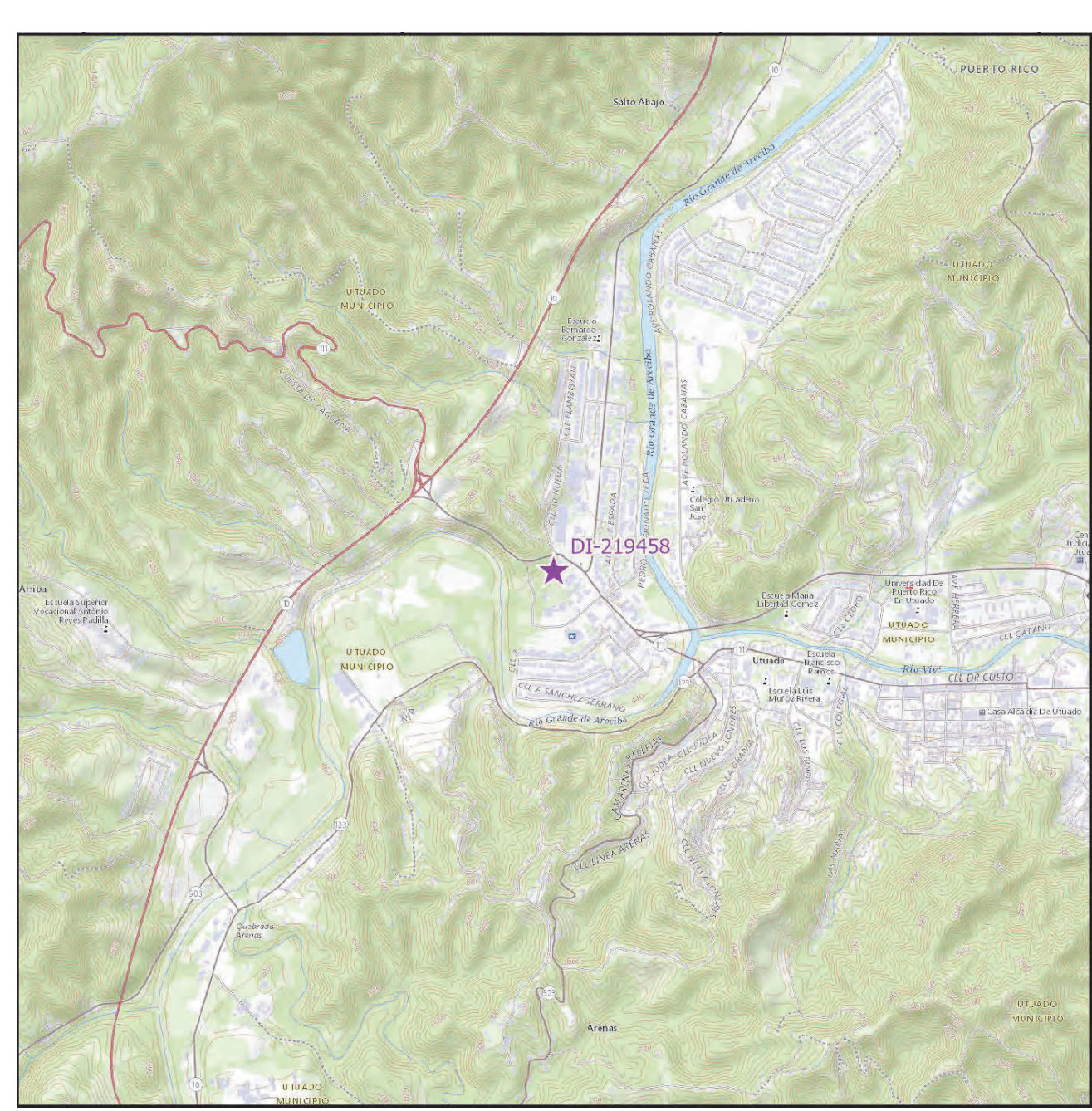
SHEET NO.  
**0GI002**



FLOOD MAP



AERIAL PHOTO  
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LOCATION MAP  
SCALE 1: 20,000

INDEX OF DRAWINGS - PW 8067, DI 219458

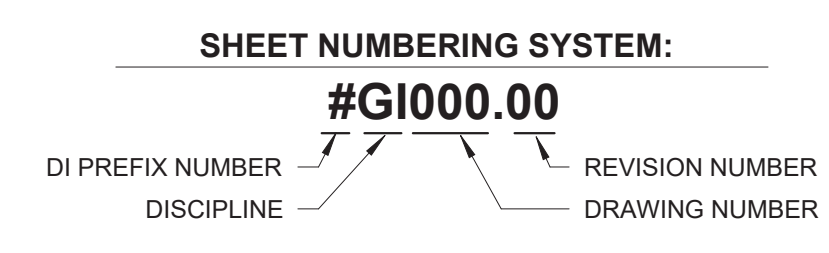
Discipline	Sheet Number	Current Revision	Sheet Name
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00-GENERAL	4GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	4AE101		SITE PLAN BUILDING T089406700 DI 219458
05-DETAILS	4DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	4DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	4DT503		DETAILS AND SPECIFICATIONS

# PRIDCO-FEMA 4339 DR PROGRAM NORTH REGION STAGE 1 BID PACKAGE N1-3

4. PW: 8067 | DI: 219458 | Bldg: T089406700

Road PR-11, Km 0.1, Salto Abajo, Utuado, PR 00641

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



DRAWING INFORMATION:

SHEET TITLE:

COVER SHEET - DI 219458

SCALE:

AS SHOWN

DELIVERY DATE:	PROJECT NUMBER:
4/22/2024 3:28:37 PM	21-0258-02
DRAWING / MODEL LOCATION:	BIM FILE NAME:

SHEET NO. **4GI001**

**GENERAL NOTES**

- PERFORM WORK IN ACCORDANCE WITH OSHA RULES AND REGULATIONS. COMPLY WITH THE REQUIREMENTS SET FORTH BY THE PR BUILDING CODE 2018, PR FIRE CODE 2018, PR MECHANICAL CODE 2018, PR PLUMBING CODE 2018, PR EXISTING BUILDING CODE 2018, ICC SUITE CODES 2018, AND WITH OTHER CODES, STANDARDS, AND REGULATIONS CALLED FOR IN SAID CODES.
- COMPLY WITH APPLICABLE RULES AND REGULATIONS FOR OBTAINING NECESSARY AND REQUIRED INSPECTIONS, APPROVALS AND PERMITS NECESSARY TO PERFORM WORK AND SERVICES FOR THE PROJECT EXECUTE WORK IN ACCORDANCE WITH THE BEST ACCEPTED TRADE PRACTICES, AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, AND IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE NOISE, DUST, OR DISTURBANCE TO OCCUPANTS.
- IMPLEMENT SAFETY CONTROLS DURING DEMOLITION/CONSTRUCTION WORK.
- DAILY REMOVE DEBRIS RESULTING FROM DEMOLITION/CONSTRUCTION AND TRANSPORT IT OUT OF PROJECT LIMITS. PERFORM DISPOSAL OPERATION IN ACCORDANCE WITH GOVERNMENT APPROVALS AND REGULATIONS. SITE AND STRUCTURE SHALL BE LEFT BROOM CLEAN FOR SUBSTANTIAL COMPLETION.
- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN THE FIELD BEFORE PROCEEDING WITH ANY PORTION OF THE WORK. ADVISE IN WRITING TO CONSTRUCTION MANAGER AND ARCHITECT OF DISCREPANCY BETWEEN EXISTING CONDITIONS AND DRAWINGS.
- REPORT TO CONSTRUCTION MANAGER AND ARCHITECT DISCREPANCIES IN THE CONTRACT DRAWINGS, SPECIFICATIONS OR DETAILS PRIOR TO COMMENCING THE WORK.
- COORDINATE CIVIL, MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL REQUIREMENTS FOR PROPER LOCATION AND PROVISIONS OF SLEEVES, INSERTS, OPENINGS AND ROUGH-IN REQUIRED.
- CONDUCT DEMOLITION/CONSTRUCTION OPERATION TO INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS AND OTHER ADJACENT FACILITIES.
- THE USE OF A BRAND NAME AND/OR MODEL NUMBER TO DENOTE PRODUCTS, EQUIPMENTS, MATERIALS, OR PROCESS, IS INTENDED TO ESTABLISH A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION.
- DO NOT COMMENCE ANY DEMOLITION OF SITE ELEMENTS OR STRUCTURE UNTIL THE HAZARDOUS MATERIAL ABATEMENT IS DONE AND EPA CERTIFICATION IS OBTAINED, STATING THAT THE SITE ELEMENTS AND STRUCTURES ARE FREE OF HAZARDOUS MATERIALS. PRIOR TO COMMENCEMENT OF THE HAZARDOUS MATERIAL ABATEMENT THE BUILDING AND SITE SHALL BE VACANT.
- SPECIFIED TREE PRUNING OR CUTTING OR INCIDENTAL TO OTHER REPAIR WORK MAY REQUIRE A DRNA PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT BEFORE PERFORMING THE WORK.

**ARCHITECTURAL NOTES**

- PRESSURE WASH. MINIMUM 3,000 PSI, EXISTING BUILDING EXTERIOR WALLS, WINDOWS, AND DOORS BEFORE BEGINNING SPECIFIED WORK.
- REPAIR INTERIOR AND EXTERIOR WALL SURFACES WITH CEMENT PLASTER PRIOR TO APPLYING PAINT FINISH. REPAIR WORK INCLUDES, BUT IS NOT LIMITED TO CUT AND PATCHING, REMOVAL OF NAILS AND SCREWS FROM WALLS, REPAIR OF MAJOR IMPERFECTIONS ON WALLS AND FINISHES IN GENERAL.
- FULL TEAR-OFF OF ROOF WATERPROOFING SYSTEM INCLUDING MEMBRANE, INSULATION AND FLASHINGS WHERE SYSTEM REPLACEMENT IS SPECIFIED. A ROOF MOISTURE SURVEY MAY BE REQUIRED PRIOR TO INSTALLATION OF NEW MEMBRANE.
- CLEAN, REPAIR AND VERIFY STRUCTURAL INTEGRITY OF ROOF DECK PRIOR TO THE INSTALLATION OF THE WATERPROOFING SYSTEM. COMPLY WITH THE MANUFACTURER RECOMMENDATIONS FOR THE INSTALLATION OF ROOF MEMBRANE TO VALIDATE THE WARRANTY.

**ELECTRICAL GENERAL NOTES**

- NO WIRE SHALL BE SMALLER THAN # 12 AWG THHN, 600 VOLTS.
- NO CONDUIT SHALL BE SMALLER THAN 3/4"
- ALL CONDUIT SHALL BE RIGID GALVANIZED EXCEPT OTHERWISE INDICATED.
- ALL WIRE SHALL BE COPPER, INSULATED AS NOTED.
- LEAVE A #12 AWG GALVANIZED FISH WIRE IN ALL EMPTY CONDUITS.
- ALL UNDERGROUND CONDUITS SHALL BE PROTECTED WITH 4" CONCRETE ENVELOPE.
- EXPANSION FITTINGS SHALL BE USED FOR EVERY CONDUIT CROSSING BUILDING EXPANSION JOINTS.
- CONTRACTOR SHALL BALANCE ALL LOADS.
- #12 GREEN THN BONDING JUNCTION BETWEEN EACH OUTLET BOX AND RECEPTACLE GROUNDING TERMINAL. USE 3/8" LONG 10-32 GROUNDING SCREW.
- ALL INSTALLATIONS SHALL BE EXPOSED UNLESS OTHERWISE INDICATED.
- EXPOSED CONDUITS SHALL BE SUPPORTED BY MEANS OF ONE BOLT CLAMP SPACED NOT FURTHER THAN 7'-6" APART.
- AN EXPOSED WORK CONDUIT SHALL BE USED FOR ALL 90 BENDS.
- ALL NON-GALVANIZED METAL PARTS SHALL BE GIVEN ONE COAT OF RED OXIDE AND TWO COATS OF METALLIC GRAY PRIOR TO INSTALLATION.
- ALL GALVANIZED RIGID CONDUITS FOR TOGGLE SWITCHES AND RECEPTACLES LOCATED AT DOORWAYS AND LEAN - TO SHALL BE CONCEALED WITHIN ROOF SLAB, WALLS AND OVERHANGS.
- CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO TEST ALL ELECTRICAL SYSTEM IN PRESENCE OF THE REPRESENTATIVE FROM THE MECHANICAL AND ELECTRICAL DEPARTMENT.
- ALL LIGHTING CIRCUITS SHALL HAVE ONE (1) PORCELAIN LIGHT SOCKET WITH A LED TYPE BULB, EQUIVALENT TO 100W INCANDESCENT LUMENS. SWITCHES AND RECEPTACLES SHALL BE INSTALLED 4'-0" A.F.F.
- THE NEUTRAL WIRES SHALL BE IDENTIFIED THROUGHOUT THE INSTALLATION BY THE USE OF WHITE COLOR COVERED LIVE WIRES WITHIN THE SAME CONDUIT SHALL BE COLOR CODED AS PER N.E.C.
- RECEPTACLES AND LIGHTING CIRCUITS SHALL BE #12 THIN WIRE AND SHALL BE CONNECTED TO 20 AMP BREAKERS AT THE PANELBOARD.
- ALL OVERHANGS AND LEAN - TO'S SHALL BE PROVIDED WITH LIGHT SOCKETS.
- CONTRACTOR SHALL VERIFY LENGTH OF FEEDERS IN THE FIELD BEFORE SUBMITTING BIDS.
- ALL SWITCHES AND RECEPTACLES THAT ARE CONCEALED IN WALLS AND OVERHANGS SHALL BE PROVIDED WITH STAINLESS STEEL COVERS.
- CONTRACTOR SHALL CONTACT ELECTRICAL ENGINEER OF LUMA PRIOR TO THE BEGINNING OF THE WORK AND COORDINATE WITH THEM FOR THE EXECUTION OF THE WORK CONCERNING THE SERVICE ENTRANCE AND SUBSTITUTION IF REQUIRED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF INSPECTION AT THE COMPLETION OF THE WORK AND SHALL FORWARD IT TO THE PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE N.E.C. AND LUMA.
- ALL BOXES FOR RECEPTACLES & LIGHTING SWITCHES FOR EXPOSED INSTALLATION SHALL BE "FS" TYPE.
- CONTRACTOR SHALL SUBMIT A LIST OF MATERIALS AND EQUIPMENT GIVING MANUFACTURER CATALOG NUMBERS AND COMPLETE SPECIFICATIONS AND DRAWINGS FOR APPROVAL OF P.R.I.D.C.O. PRIOR TO THE PURCHASING OF SAID MATERIALS AND/OR EQUIPMENT.

**PLUMBING GENERAL NOTES:**

- PLUMBING SHALL BE IN STRICT ACCORDANCE WITH THE 2018 PUERTO RICO BUILDING CODE.
- FURNISH AND SET IN PLACE BEFORE CONCRETE POURING ALL NECESSARY SLEEVES FOR WASTE OR SOIL, VENT, HOT, AND COLD WATER LINES, THESE SLEEVES SHALL BE AS SPECIFIED OR REQUIRED BY THE ARCHITECT.
- THE PLUMBING DRAWING IS GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. RUN ALL PIPING CONCEALED WHEREVER POSSIBLE UNLESS OTHERWISE NOTED.
- SIZES SHOWN IN FIXTURE SCHEDULE ARE MINIMUM AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODE REQUIREMENTS OR AS SHOWN ON DRAWINGS.
- BEFORE CONSTRUCTION VERIFY EXISTING ELEVATIONS AGAINST PROPOSED SLOPES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- CLEANOUT SHALL BE OF SAME SIZE AS THE PIPES TO WHICH THEY ARE CONNECTED UP TO 4", FOR LARGE PIPES; CLEANOUT SHALL BE 4".
- UNLESS OTHERWISE INDICATED, ALL DRAINAGE PIPING 3" AND SMALLER SHALL BE SLOPED 1/4" PER FT., LARGER PIPES SHALL BE SLOPED 1/8" PER FOOT.
- CLEANOUT SHALL BE NOT MORE THAN 50 FEET APART IN HORIZONTAL DRAINAGE LINES OF 4" NOMINAL DIAMETER OR LESS AND NOT MORE THAN 100 FEET APART FOR LARGER PIPES.
- FOR FIXTURES AND EQUIPMENT NOT LISTED IN SCHEDULE, SEE CONTRACT SPECIFICATIONS.
- DETERMINE EXACT LOCATION OF THE PIPING TO AVOID ANY INTERFERENCE WITH PIPING AND/OR EQUIPMENT BEING INSTALLED BY ANOTHER SUB-CONTRACTOR.
- SANITARY TEES (SINGLE AND DOUBLE) AND QUARTER BENDS SHALL BE ACCEPTABLE ONLY FOR CHANGES OF DIRECTION FROM HORIZONTAL TO VERTICAL.
- USE LONG SWEEPING FITTINGS AND/OR LONG SWEEP BENDS AT BASE OF ALL STACKS.
- PROVIDE ROUGHING-IN AND INSTALL ALL PLUMBING FIXTURES AND/OR EQUIPMENT WHICH ARE SUPPLIED BY OTHERS.
- FOR ALL UNDERGROUND SANITARY AND STORM DRAINAGE USE: PVC POLYVINYL CHLORIDE SEWER PIPE AND FITTING: ASTM D 3034, SDR-35, FOR SOLVENT CEMENT OR ELASTOMERIC GASKET JOINTS, A. SOLVENT CEMENT: ASTM D 2564 B. GASKETS: ASTM F 477, ELASTOMERIC SEAL.
- PROVIDE ALL PIPE OPENINGS THROUGH SLABS WITH SLEEVES HAVING AN INTERNAL DIAMETER AT LEAST 1" LARGER THAN THE OUTSIDE DIAMETER OF UN-INSULATED PIPES OR OF THE INSULATION FOR INSULATION SERVICES. FLOOR SLEEVES ARE TO PROJECT 2" ABOVE FINISHED FLOORS.
- SLEEVES SHALL BE SCHEDULES 40 GALVANIZED STEEL PIPE.
- BOTTOM OF THE WATER SERVICES LINE SHALL BE 12 INCHES ABOVE THE HIGHEST POINT OF THE SEWER LINE WHENEVER THE HORIZONTAL DISTANCE BETWEEN THEM IS LESS THAN 5 FT.
- PROVIDE DOWNSPOUT NOZZLES (SIMILAR TO JAY R. SMITH FIG 1770) AT THE OVERFLOW RAIN WATER OUTLETS, AT FIRST LEVEL.
- CONTRACTOR SHALL SUPPLY AND INSTALL 1/4 TURN SHUT OFF VALVES AT EVERY PLUMBING FIXTURE.
- ALL PLUMBING FIXTURES, COLORS AND FINISHES, SELECTION BY ARCHITECT.

**HVAC GENERAL NOTES:**

- SUPPLY AND INSTALL ALL ELECTRICAL CONTROLS, SAFETY SWITCHES AND ACCESSORIES NOT INDICATED IN THE ELECTRICAL DRAWING AND NECESSARY FOR THE PROPER OPERATION OF THE EQUIPMENT IN ACCORDANCE WITH THE MECHANICAL EQUIPMENT RECOMMENDATIONS AND THE NATIONAL ELECTRIC CODE.
- PERFORM ALL WIRING AND CONNECTION (POWER AND CONTROL) NOT INDICATED IN THE ELECTRICAL DRAWINGS AND NECESSARY FOR THE PROPER OPERATION OF THE MECHANICAL EQUIPMENT IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- TAKE EVERY PRECAUTION IN ORDER TO MINIMIZE OR ELIMINATE THE TRANSMISSION OF NOISE OR VIBRATION FROM THE EQUIPMENT, PIPING SYSTEM OR DUCT SYSTEM TO THE CONDITIONING SPACE.
- EQUIPMENT, MATERIALS AND ACCESSORIES SHALL BE SIMILAR TO THE INDICATED SPECIFICATION AND/OR MANUFACTURER MODEL OR CATALOG NUMBER.
- UNLESS OTHERWISE NOTED IN DRAWINGS AND/OR SPECIFICATIONS ALL EQUIPMENT AND ACCESSORIES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

**CIVIL SITE GENERAL NOTES**

- ALL DISTANCES AND ELEVATIONS ARE EXPRESSED IN METERS UNLESS OTHERWISE SPECIFIED.
- ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL.
- COORDINATES ARE BASED ON THE LAMBERT PROJECTION FOR PUERTO RICO AND THE US VIRGIN ISLAND AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83 NA2011) EPOCH 2010.00 ADJUSTED IN METERS
- THE CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER BEFORE CUTTING OR TRIMMING EXISTING TREES AFFECTED BY THE CONSTRUCTION.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR EACH PROJECT AREA, THE CONTROL OF EROSION AND SEDIMENTATION (CES) PLAN FOR APPROVAL, BY THE PERTINENT AGENCY AND THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS, THE DEWATERING PLAN SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR APPROVAL AND COORDINATION.
- DEWATERING PLANS SHALL INCLUDE CONTROL OF EROSION AND SEDIMENTATION FOR EACH PROJECT PHASE AND/OR WORK AREA. THE WATER FROM THE DEWATERING SYSTEM SHALL BE FREE OF SEDIMENT AND/OR DEBRIS BEFORE ANY DISPOSAL.
- THE CONTRACTOR SHALL MAINTAIN THE DEWATERING SYSTEM UNTIL DEWATERING IS NO LONGER REQUIRED.
- ELECTRICAL, COMMUNICATION, SANITARY AND POTABLE WATER SERVICE SHALL NOT BE INTERRUPTED DURING CONSTRUCTION. IF NECESSARY, A PROVISIONAL TEMPORARY SERVICE AND/OR BY-PASS SHALL BE INSTALLED TO MAINTAIN SERVICE. PROVISIONAL TEMPORARY SERVICE AND/OR BY-PASS SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR APPROVAL AND COORDINATION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT THE MAINTENANCE OF SERVICE PLAN FOR ELECTRICAL, SANITARY AND POTABLE WATER FOR APPROVAL OF THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY ELEMENT SUSPECTED OF CONTAINING HAZARDOUS MATERIAL IS ENCOUNTERED, PRIOR TO ANY RELATED WORK ACTIVITY.
- THE CONTRACTOR SHALL VISIT THE PROJECT AREA TO VERIFY THE SPACE LIMITATIONS FOR CONSTRUCTION PROCESS AND EQUIPMENT. THE CONTRACT PRICE SHALL CONSIDER THE REQUIRED CONSTRUCTION PROCESS AND/OR EQUIPMENTS.
- PRIOR TO COMMENCEMENT OF THE WORK, CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT PROJECT SITE AND SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONTRACT DOCUMENTS THAT COULD AFFECT CONSTRUCTION WORK SCHEDULE AND/OR PERFORMANCE.
- ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING FACILITIES DAMAGED DURING CONSTRUCTION PRIOR TO SUBSTANTIAL COMPLETION.
- THE CONTRACTOR SHALL MAINTAIN IN OPERATION EXISTING FACILITIES UNTIL NEW FACILITIES ARE IN OPERATION.

**GENERAL STRUCTURAL NOTES**

**STRUCTURAL BUILDING AND DESIGN CODES:**

- PUERTO RICO BUILDING CODE 2018 AND ITS BINDING REFERENCED STANDARDS, INCLUDING BUT NOT LIMITED TO:
  - INTERNATIONAL BUILDING CODE 2018
  - AMERICAN INSTITUTE FOR STEEL CONSTRUCTION (AISC), STEEL CONSTRUCTION MANUAL, 15<sup>TH</sup> EDITION
  - AMERICAN CONCRETE INSTITUTE (ACI), BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14.
  - AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES, ASCE/SEI 7-16

**STRUCTURAL NOTES ON CONCRETE REPAIR:**

- ALL CONCRETE REPAIR WORKS SHALL BE PERFORMED FOLLOWING THE GUIDELINES OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI). HIRING A PROFESSIONAL EXPERIENCED IN THIS TYPE OF REPAIR IS RECOMMENDED TO ENSURE A PROPER REPAIR.
- FOR THE REPAIR OF AREAS AFFECTED BY CORROSION, ICRI NO. 03730 GUIDELINE FOR SURFACE PREPARATION FOR THE REPAIR OF DETERIORATED CONCRETE RESULTING FROM REINFORCING STEEL CORROSION SHOULD BE FOLLOWED.
- BEFORE COMMENCING ANY CONCRETE REPAIR WORK, THE CONTRACTOR SHALL REVIEW THE REPAIR DETAILS PRESENTED IN THE DRAWINGS. IN CASE OF DOUBT WITH THE REPAIR DETAILS PRESENTED, THE CONTRACTOR SHOULD CONTACT THE ARCHITECT OR ENGINEER OF RECORD TO CLARIFY THEM.
- IT IS IMPORTANT TO FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR EACH PRODUCT UTILIZED FOR THIS JOB, IN ORDER TO GUARANTEE THAT THE REPAIR WORKS ARE CARRIED OUT ADEQUATELY.

**STRUCTURAL NOTES ON CAST-IN-PLACE CONCRETE:**

- PORTLAND CEMENT SHALL BE TYPE II.
- ALL CONCRETE SHALL BE OF REGULAR WEIGHT (145 POUNDS PER CUBIC FOOT).
- THE FOLLOWING CONCRETE MIX PARAMETERS SHALL BE USED UNLESS OTHERWISE NOTED:
 

CONCRETE STRENGTH AT 28 DAYS - 3,000 PSI  
 MAX. WATER/CEMENT RATIO - 0.65  
 RECOMMENDED SLUMP - 3 INCHES  
 MAX. AGGREGATE SIZE (ASTM C33) - 1 INCH
- PROVIDE CONCRETE MIXES DESIGNED BY A QUALIFIED TESTING LABORATORY FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER. CONCRETE MIX DESIGN SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER AUTHORIZED TO EXERCISE THE PROFESSION IN THE COMMON WEALTH OF PUERTO RICO.

**NOTE ON REINFORCING STEEL BARS:**

- ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 (FY = 60 KSI).
- MAINTAIN THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL UNLESS NOTED OTHERWISE:
  - CONCRETE CAST AGAINST EARTH: 3 INCHES
  - CONCRETE IN CONTACT WITH THE GROUND: 2 INCHES
  - CONCRETE SLAB AND WALLS WITHOUT CONTACT WITH GROUND: 1 INCHES
  - CONCRETE BEAMS AND COLUMNS: 1 1/2 INCHES

**STRUCTURAL STEEL**

- DESIGN, DETAIL AND ERECT STRUCTURAL STEEL ELEMENTS IN ACCORDANCE WITH THE FOLLOWING:
  - AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
  - AISC MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN.
  - AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
  - AWS STRUCTURAL WELDING CODE, D1.1.
  - STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
  - W SHAPES: ASTM A992 (FY = 50 KSI, FU = 65 KSI)
  - STEEL ANGLE, CHANNELS, PLATES: ASTM A36
  - BOLTS, NUTS AND WASHERS: HIGH-STRENGTH BOLTS, INCLUDING NUTS AND WASHERS: ASTM A325
  - STEEL PLATES FOR LANDINGS AND THREADS: 1/4" ANTI-SLIP DIAMOND TYPE STEEL PLATE A36
- WELDING ELECTRODE FOR STEEL SHALL BE E70XX.

**NOTES (IF APPLICABLE):**

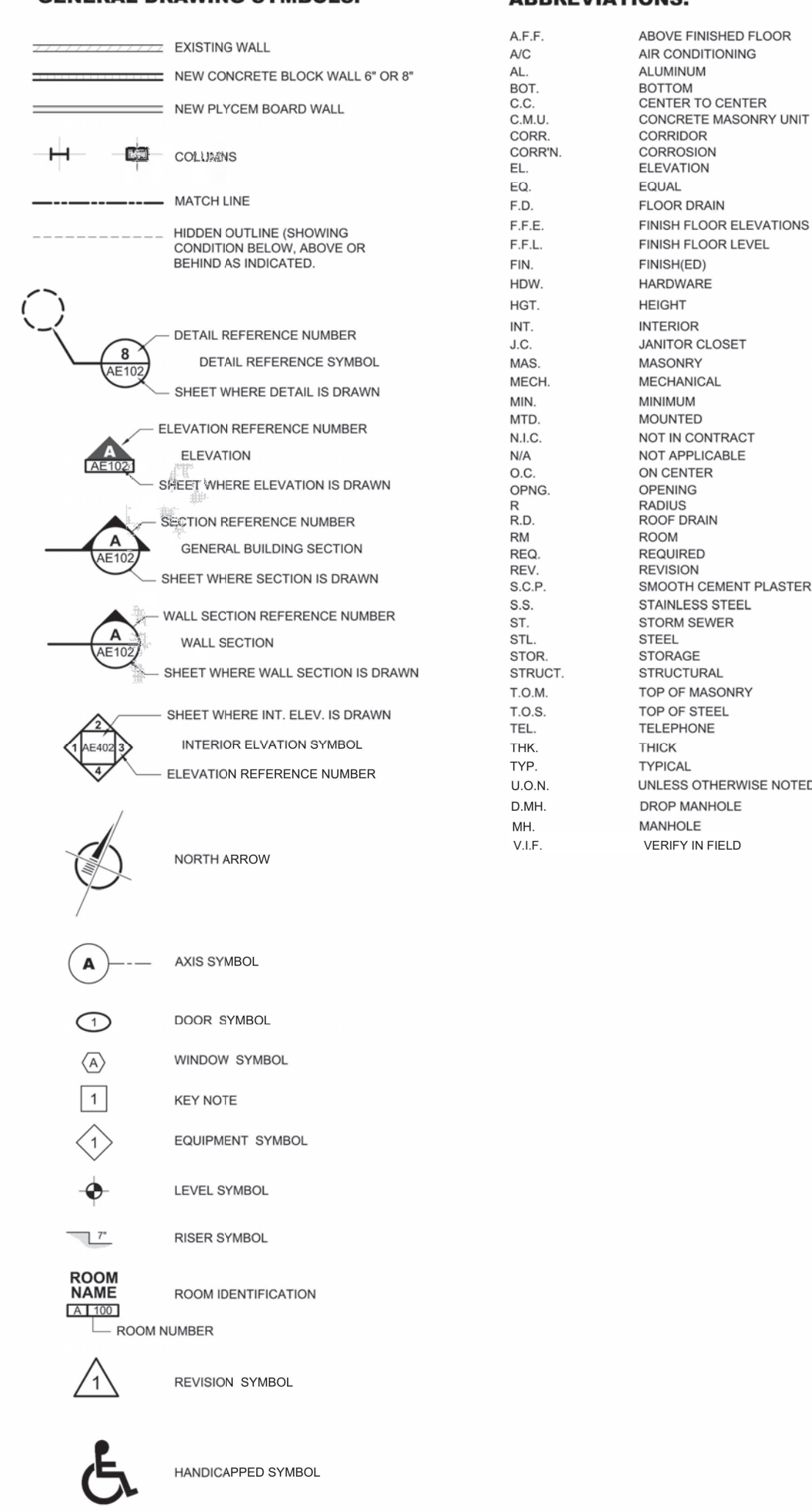
**TREE REMOVAL:**

- REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS, AS REQUIRING REMOVAL, IN A MANNER THAT WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL.
- REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF DAMAGE TO ADJACENT CROWN, TRUNKS, GROUND PLANE ELEMENTS AND STRUCTURES.
- DO NOT DROP TREES WITH A SINGLE CUT UNLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TREE AND PLANT PROTECTION AREA. NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALL BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING EQUIPMENT.
- PROTECT ADJACENT PAVING, SOIL, TREES, SHRUBS, GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS, AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM COMPACTION.
- REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH).
- FOR TREES WHERE THE STUMP WILL FALL UNDER NEW PAVED AREAS, GRIND ROOTS TO A TOTAL DEPTH OF 18 INCHES BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20% WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN 20% WOOD. REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING OPERATION AND BACK FILL IN 8 INCH LAYERS WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES, COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION.
- IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILL STUMP HOLES WITH PLANTING SOIL AS DEFINED IN SPECIFICATION SECTION PLANTING SOIL, IN MAXIMUM OF 12 INCH LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR.

**PRUNING:**

- WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.
- IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT.
- PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS.
  - WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.
  - PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.
  - STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION.
- ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1), ISA BMP TREE PRUNING (LATEST EDITION, AND THE "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY", EDWARD GILMAN, BRIAN KEMPF, NELDA MATHENY AND JIM CLARK, 2013 URBAN TREE FOUNDATION, VISALIA CA.
- PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE.
- WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL TREES.

**GENERAL DRAWING SYMBOLS:**



**ABBREVIATIONS:**

A.F.F.	ABOVE FINISHED FLOOR
AC	AIR CONDITIONING
AL	ALUMINUM
BDT.	BOTTOM
C.C.	CENTER TO CENTER
C.M.U.	CONCRETE MASONRY UNIT
CORR.	CORROSION
CORRN.	ELEVATION
EL.	EQUAL
F.D.	FLOOR DRAIN
F.F.E.	FINISH FLOOR ELEVATIONS
F.F.L.	FINISH FLOOR LEVEL
FIN.	FINISHED TO CENTER
HDW.	HARDWARE
HGT.	HEIGHT
INT.	INTERIOR
J.C.	JANITOR CLOSET
MAS.	MASONRY
MECH.	MECHANICAL
MIN.	MINIMUM
MNTD.	MOUNTED
N.I.C.	NOT IN CONTRACT
N/A.	NOT APPLICABLE
O.C.	ON CENTER
OPNG.	OPENING
R.	RADIUS
R.D.	ROOF DRAIN
RM.	ROOM
REQD.	REQUIRED
REV.	REVISION
S.C.P.	SMOOTH GEMENT PLASTER
S.S.	STAINLESS STEEL
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
TEL.	TELEPHONE
THK.	THICK
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
D.M.H.	DROP MANHOLE
MH.	MANHOLE
V.I.F.	VERIFY IN FIELD



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**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV.	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**

NAME:	ANNETTE ALFONSO
PROFESSION:	PROFESSIONAL OF RECORD
NAME:	ANNETTE ALFONSO
PROFESSION:	STAFF ENGINEER
NAME:	JOHANNA SALCEDO
PROFESSION:	C. AUXILIAR

**PROFESSIONAL STATEMENT:**

YO, ANNETTE ALFONSO  
 NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCION, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN, CERTIFICO QUE ENTiendo QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION CERTIFICADO, ADJERIAS, QUE EN LAPREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA, SEGUN APLIQUE; RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA, POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPE.

**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 8067 / UTUADO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:

**GENERAL NOTES, ABBREVIATIONS AND LEGEND**

SCALE:

**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
4/22/2024 3:28:38 PM	21-0258-02
PRINT DATE & TIME:	BIM FILE NAME:
4/22/2024 3:28:38 PM	DRAWING / MODEL LOCATION:
SHEET NO.:	
<b>4GI002</b>	
OF	



CONSTRUCTION KEY NOTES SCHEDULE DI 219458							
#ID	TYPE OF DAMAGE	DESCRIPTION	DIMENSION	QUANTITY	DETAIL	TECHNICAL SPECIFICATIONS	PHOTO_
1	Public Assistance	Exterior, Roof: Remove, dispose damaged material. Prepare surface. Install new 2-ply waterproofing membrane and accessories.	-	23,400 SF	3/4DT501 4/4DT501 2/4DT502	070150.19; 074646; 075552.16	
2	Public Assistance	Exterior, Roof: Remove, dispose and install new aluminum flashing, Ga 0.032.	774 LF L x 1.5 FT H	774 LF	1/4DT501 3/4DT501	075552.16	
3	Public Assistance	Exterior, Wall: Remove and replace exterior cobra light fixture equal or similar to Autobahn Series ATB0.	-	1 EA	-	265619	
4	Additional Damages	Exterior, Wall: Remove, dispose, and install new aluminum jalousie windows (Miami Type, ga 0.062), heavy duty hardware and accessories.	3 FT L x 6 FT H	3 EA	5/4DT501 6/4DT501	085113	
5	-Additional Damages	Interior, Wall: Remove and replace aluminum jalousie window operators.	-	21 EA	-	085113	
6	Additional Damages	Exterior, Wall: Remove and replace exterior cobra light fixture equal or similar to Autobahn Series ATB0.	-	4 EA	-	265619	
7	Additional Damages	Exterior, Site: Remove obstructions in the fence's path. Remove and dispose damaged material, install new chain link fence (Galv. Ga. No. 9, Post- 2 1/2" diam. galv., 3-strands barbed wire (4-point)).	-	20 LF	1/4DT502 3/4DT502 1/4DT503	323113	
8	Public Assistance	Exterior, Site: Remove obstructions in the fence's path. Remove and dispose damaged material, install new chain link fence (Galv. Ga. No. 9, Post- 2 1/2" diam. galv., 3-strands barbed wire (4-point)).	40 LF L x 6 FT H	40 LF	1/4DT502 3/4DT502 1/4DT503	323113	
9	Hazard Mitigation	Exterior, Roof: Install additional SBS modified bituminous membrane, granule surface cap sheet, polyester reinforced, 160 mils, mopped on concrete roof.	-	23,400 SF	3/4DT501 4/DT501	070150.19; 074646; 075552.16	
10	Hazard Mitigation	Exterior, Roof: Install termination bar	-	666 LF	-	075552.16	
			<b>VOID</b>				
11	Public Assistance	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	5 FT x 5 FT	1 EA	2/4DT501 7/4DT501	233416	
12	Hazard Mitigation	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	1 EA	7/4DT501 8/4DT501	233416	
13	Additional Damages	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	-	3 EA	2/4DT501 7/4DT501	233416	
14	Additional Damages	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	3 EA	8/4DT501 9/4DT501	233416	

NOTE: SEE GENERAL NOTES, ITEM #7 IN 4GI002



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**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRINCIPAL PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF ENGINEER: JOHANNA SALCEDO  
 I.C. AUDITOR: [blank]  
 PRINCIPAL CAD TECHNICIAN: [blank]

**PROFESSIONAL'S STATEMENT:**

YO, ANNETTE ALFONSO  
 NUM. LIC. 12304  
 CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCIONO, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN, CERTIFICO QUE ENTENDO QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION CERTIFICADA, ADENAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA, SEGUN APLIQUE; RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGP.

**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
 NORTH REGION STAGE 1  
 BID PACKAGE N1-3  
 PW: 8067 / UTUADO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:  
**SITE PLAN BUILDING  
 T089406700 DI 219458**

SCALE:  
**AS SHOWN**

DELIVERY DATE: PROJECT NUMBER:  
 21-0258-02

PRINT DATE & TIME: BIM FILE NAME:  
 4/22/2024 3:28:40 PM

DRAWING / MODEL LOCATION:  
 SHEET NO:  
**4AE101**  
 OF

1 2

3/8" GALV FORGED EYE BOLT, EYE SHALL BE STRONG ENOUGH TO DEVELOP FULL STRENGTH OF BOLT IN TENSION, BOLT TO BE ASTM A307

METAL DECK

STEEL JOIST OR GIRDER

METAL DECK AND STRUCTURAL STEEL

### 9 EXHAUST FAN ROOF TIE-DOWN ROOF ANCHOR

N.T.S.

FAN SHALL BE PROVIDED WITH HURRICANE TIE-DOWNS. HURRICANE TIE-DOWN ATTACHMENT TO ROOF SHALL BE DESIGNED AND SIGNED BY A LICENSED ENGINEER, AND SHALL BE SUBMITTED FOR APPROVAL. SEE SPECIFICATION 233416 (CENTRIFUGAL HVAC FANS).

EXHAUST FAN

ROOF

### 8 EXHAUST FAN ROOF TIE-DOWN

N.T.S.

BOLTED ALL AROUND @ 6" c/c.

PREFABRICATED CURB AND COUNTERFLASHING BY HVAC CONTRACTOR

BOLTED ALL AROUND @ 6" c/c.

FLASHING BY G.C.

EXISTING DUCTWORK

EXISTING EXHAUST FAN

LIGHTWEIGHT CONCRETE

12" MAX.

ROOF

METAL DECK

### 7 EXHAUST FAN ROOF CURB DETAIL

N.T.S.

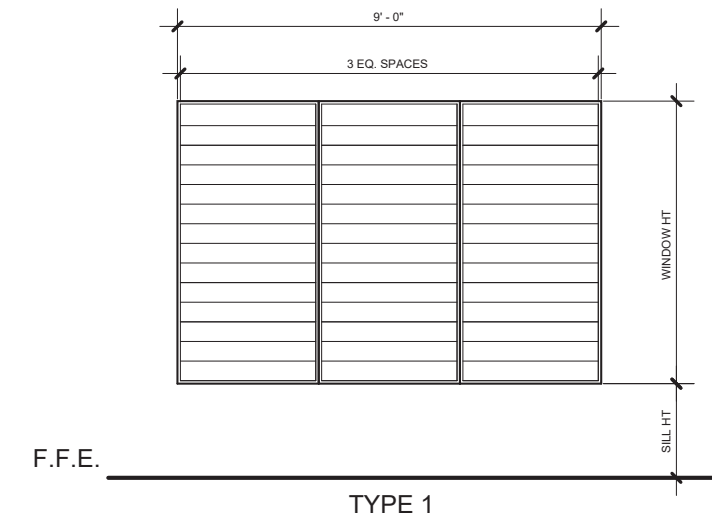
3 4 5

### WINDOW TYPES

TYPE	OPENING SIZE		UNITS PER OPENING	SILL HEIGHT	MATERIAL	
	WIDTH	HEIGHT			WINDOW	FRAME
1	9' - 0"	6' - 0"	3	3' - 0"	0.062-GAUGE MIAMI TYPE	ALUMINUM

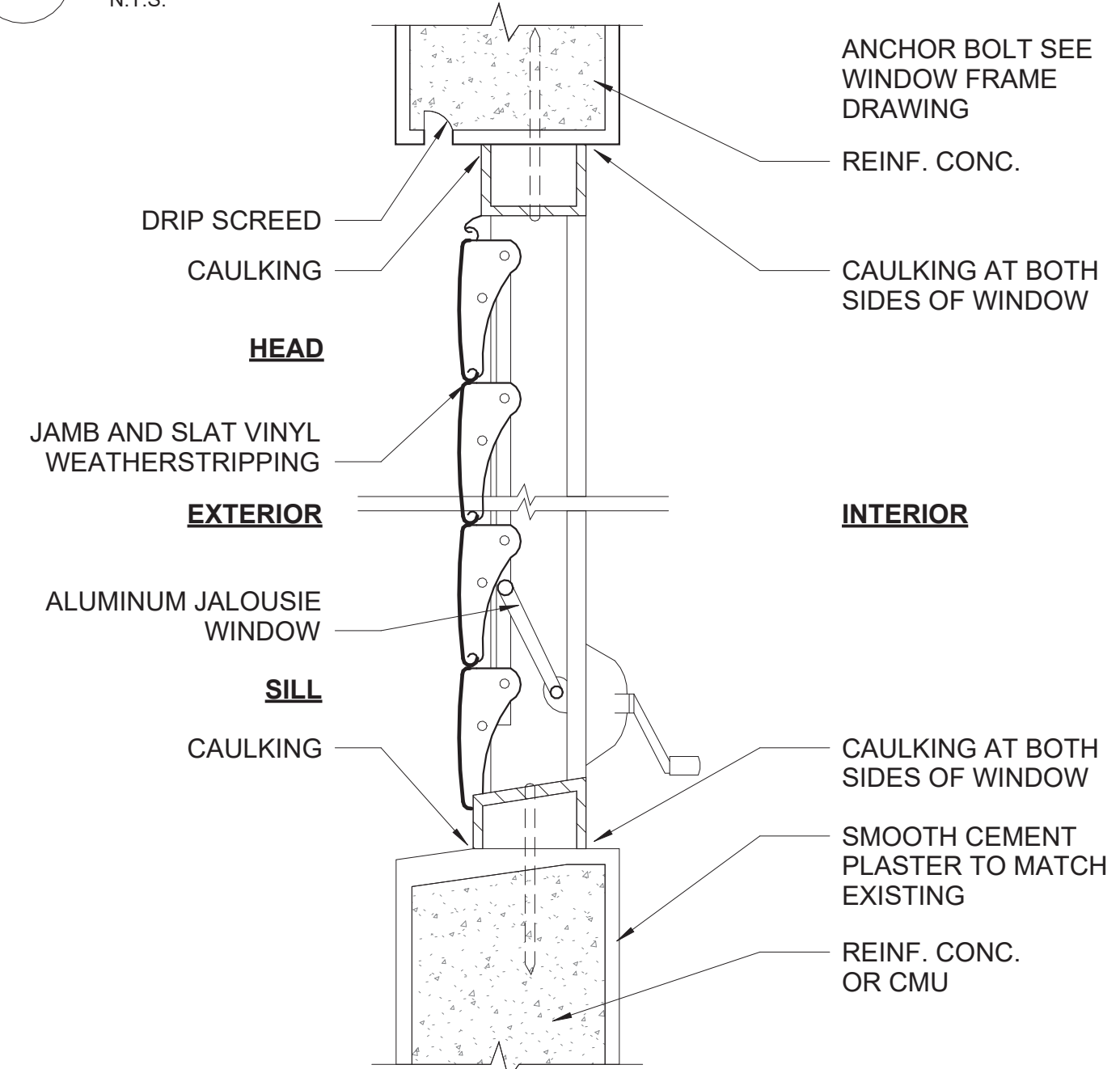
#### NOTES:

- FOR WINDOWS AND DOORS PRESSURE DESIGN, REFER TO SB103 - TYPICAL WALL WIND LOADS DIAGRAM.
- VERIFY DIMENSIONS AT FIELD PRIOR TO FABRICATING AND INSTALLING DOORS, WINDOW, AND STOREFRONT SYSTEM.
- INTERIOR AND EXTERIOR GALVANIZED STEEL DOORS SHALL BE FACTORY PAINTED COLOR. TBD BY ARCHITECT.



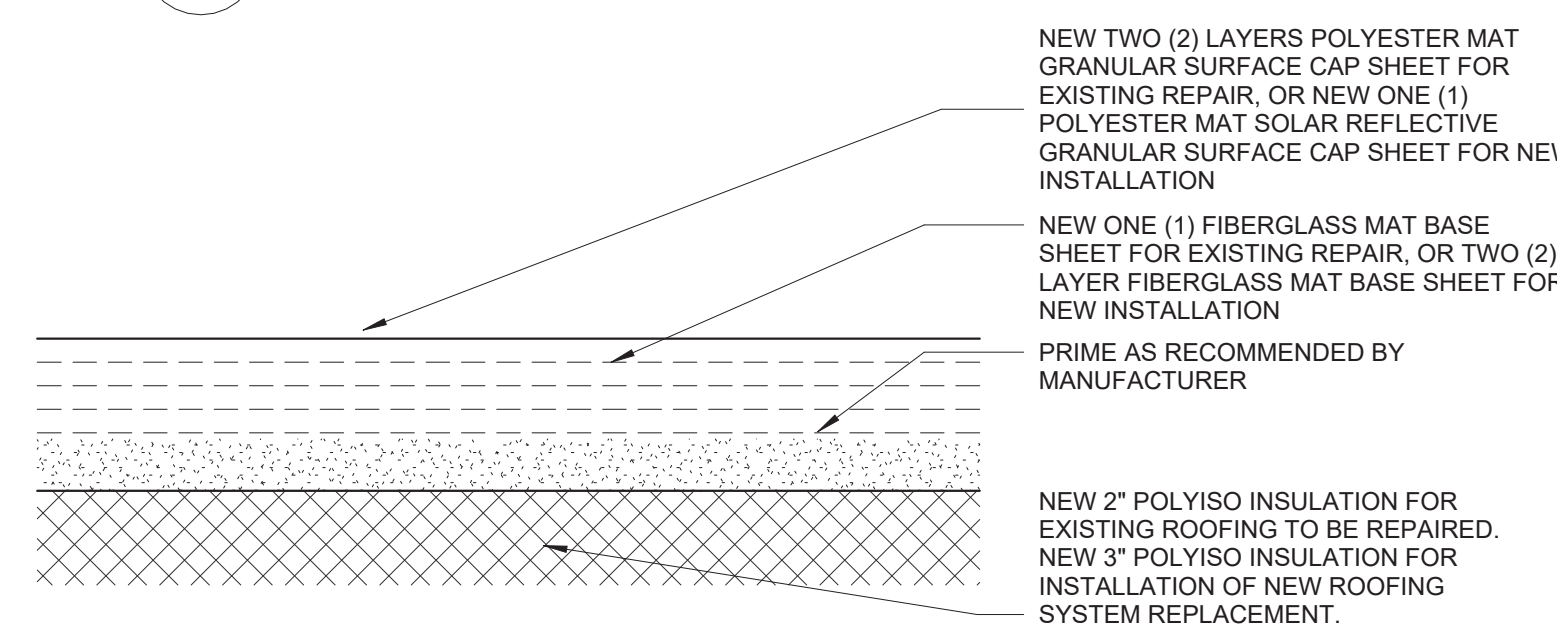
### 6 TYPICAL WINDOWS

N.T.S.



### 5 WINDOW SILL & HEAD DETAIL

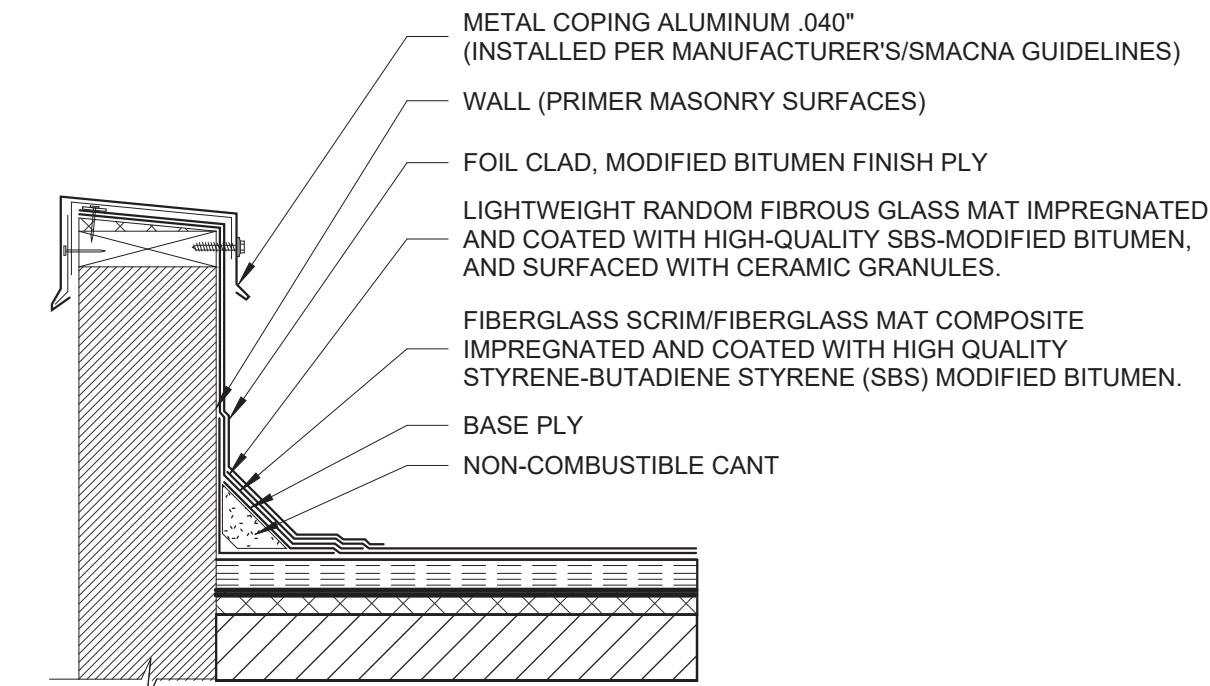
N.T.S.



NOTE: FOR REPAIR WORK INSTALLATION OF NEW MEMBRANE MUST BEGIN AT LOWER PORTION OF ROOF MOVE UP TOWARDS UPPER ROOF RIDGE. NEW MEMBRANE MUST OVERLAP AT LEAST 3'-0" FROM REPAIRED PATCH PORTION ON ALL SIDES. CONTRACTOR TO VERIFY IN FIELD.

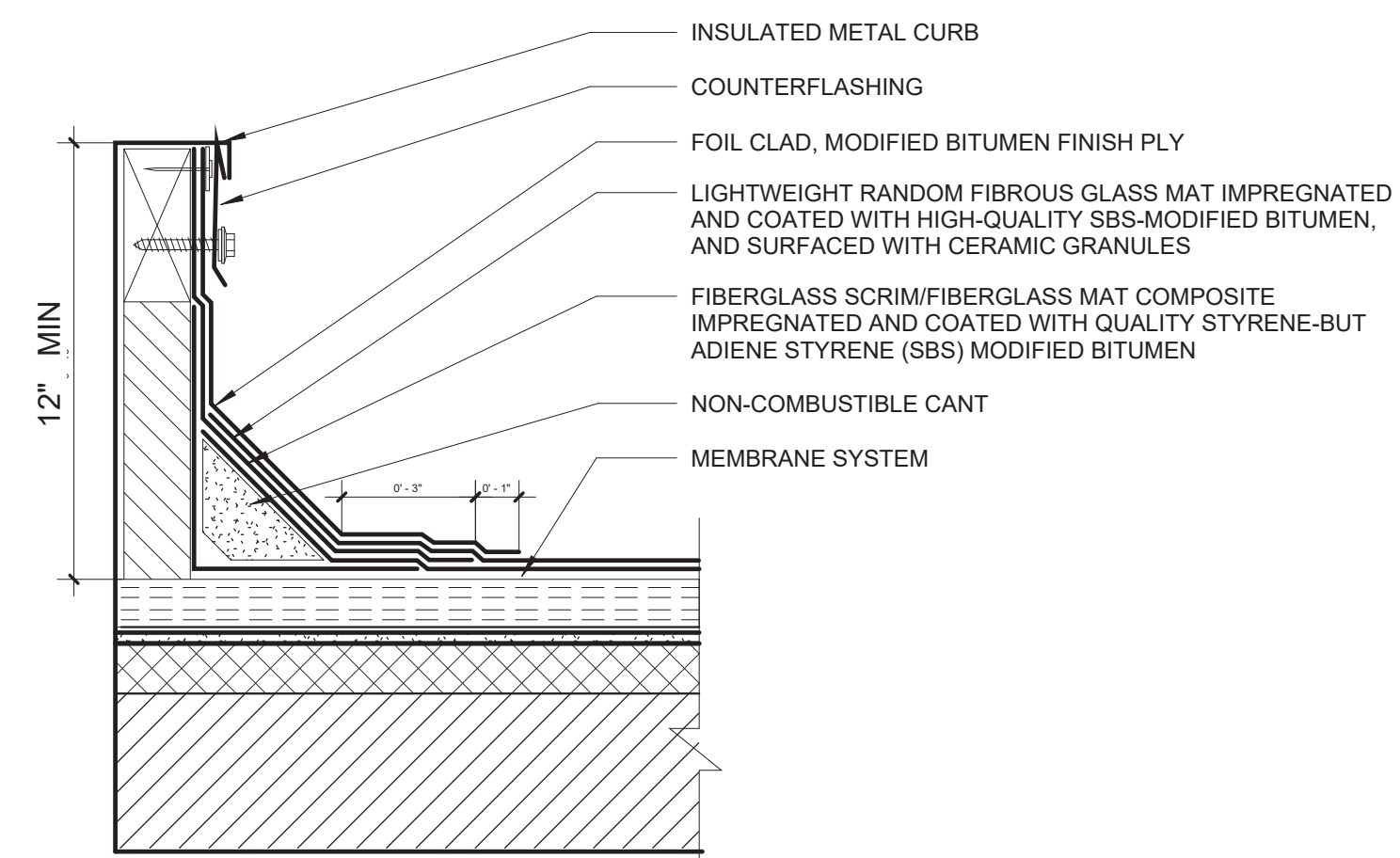
### 3-PLY SBS BITUMINOUS MEMBRANE SECTION

N.T.S.



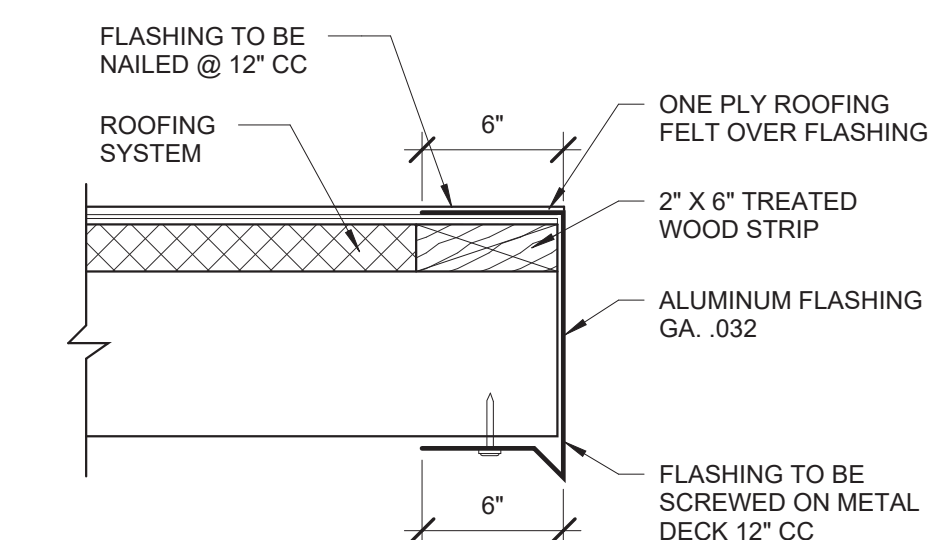
### 3 CAP FLASHING DETAIL

N.T.S.



### 2 FLASHING AT EXHAUST FAN CURB DETAIL

N.T.S.



### 1 FLASHING DETAIL

N.T.S.

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

## ISSUE FOR BID

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

DISCIPLINE INFORMATION:  
PRIME PROFESSIONAL:  
**ANNETTE ALFONSO**  
PROFESSIONAL OF RECORD:  
**ANNETTE ALFONSO**  
STAFF DESIGNER:  
**JOHANNA SALCEDO**  
I.C. AUDITOR:

PRINCIPAL CAD TECHNICIAN:

#### PROFESSIONAL'S STATEMENT:

YO, ANNETTE ALFONSO

NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCION, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN, CERTIFICO QUE ENTiendo QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADIEMAS, QUE EN LAPREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NÚM. 14 DE 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NÚM. 96 DE 6 DE JULIO DE 1978, SEGÚN ENMENDADA, SEGÚN APLIQUE; RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONECIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGP.

#### PROJECT:

**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 8067 / UTUADO**

DATE	ISSUE DESCRIPTION

#### DRAWING INFORMATION:

SHEET TITLE:

#### DETAILS AND SPECIFICATIONS

SCALE:

**AS SHOWN**

DELIVERY DATE: PROJECT NUMBER: 21-0258-02

PRINT DATE & TIME: 4/22/2024 3:28:41 PM BIM FILE NAME:

DRAWING / MODEL LOCATION:

SHEET NO. **4DT501**

OF

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRINCIPAL PROFESSIONAL:  
 ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD:  
 ANNETTE ALFONSO  
 STAFF ENGINEER:  
 JOHANNA SALCEDO  
 I.C. AUDITOR:

PRINCIPAL CAD TECHNICIAN:

**PROFESSIONAL'S STATEMENT:**

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
NORTH REGION STAGE 1  
BID PACKAGE N1-3  
PW: 8067 / UTUADO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:

**DETAILS AND SPECIFICATIONS**

SCALE:

**AS SHOWN**

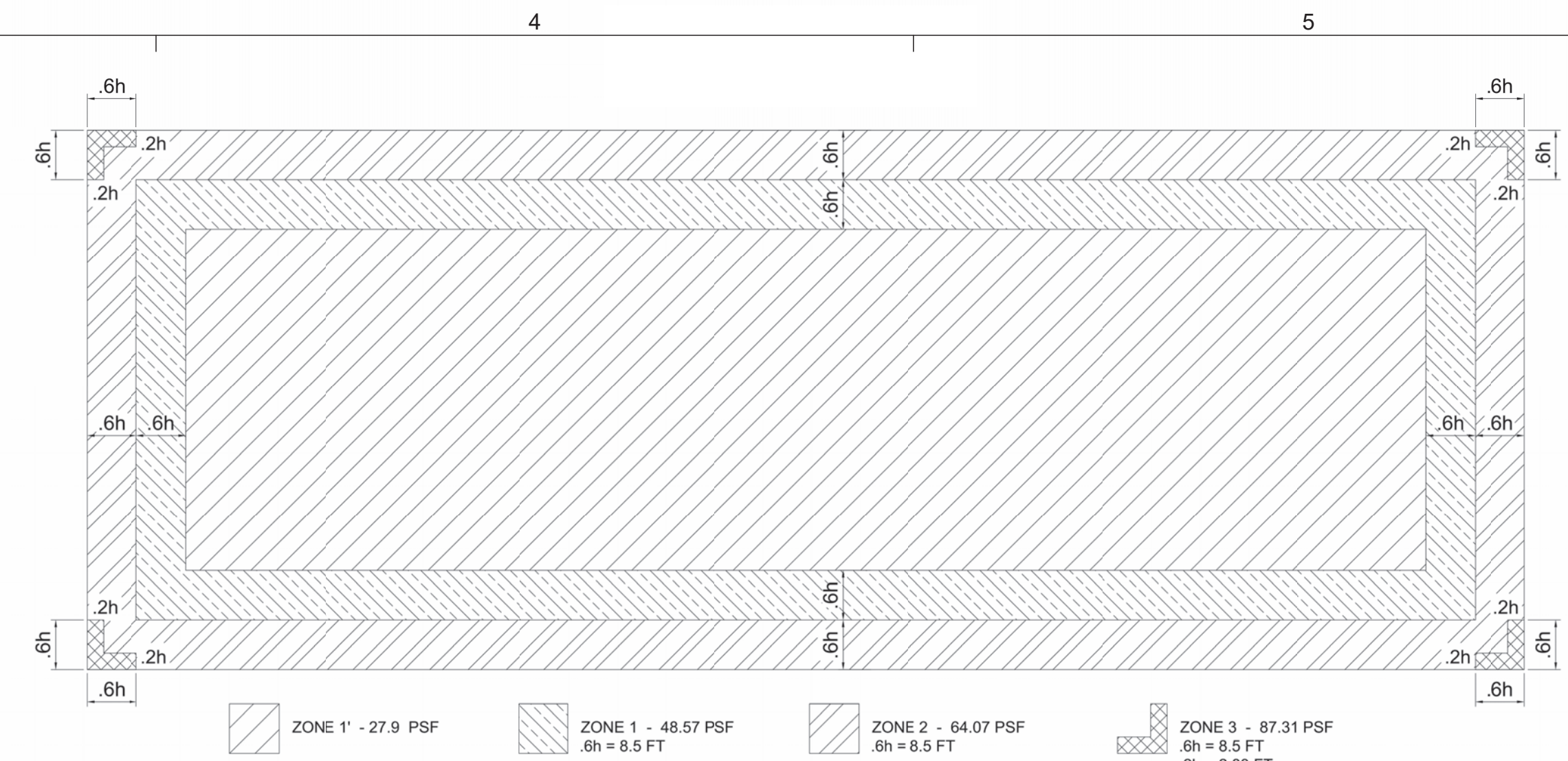
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4/22/2024 3:28:44 PM	21-0258-02

PRINT DATE & TIME:	BIM FILE NAME:
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DRAWING / MODEL LOCATION:

SHEET NO. **4DT502**

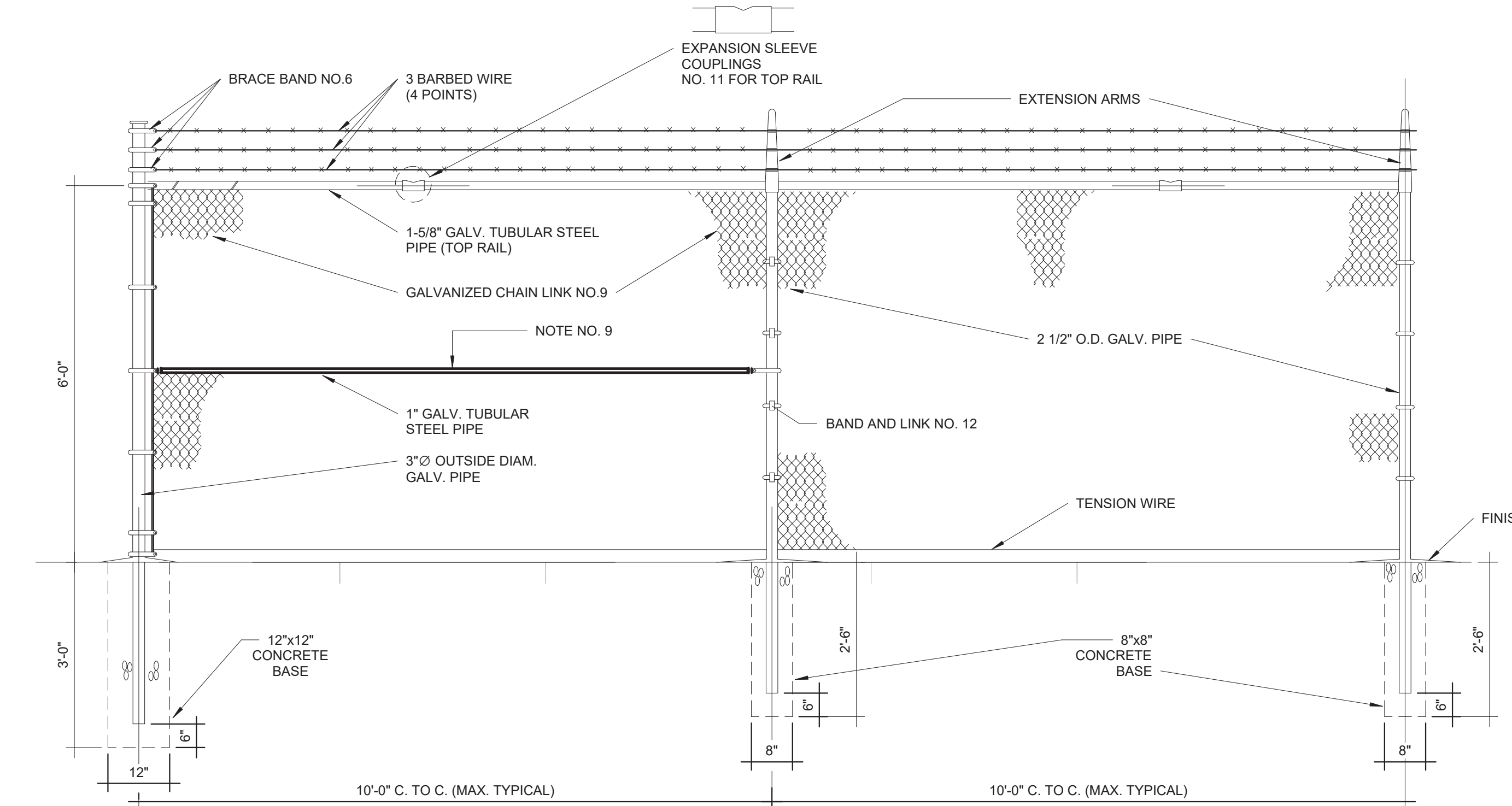
OF



**WIND PRESSURES - COMPONENTS & CLADDING**

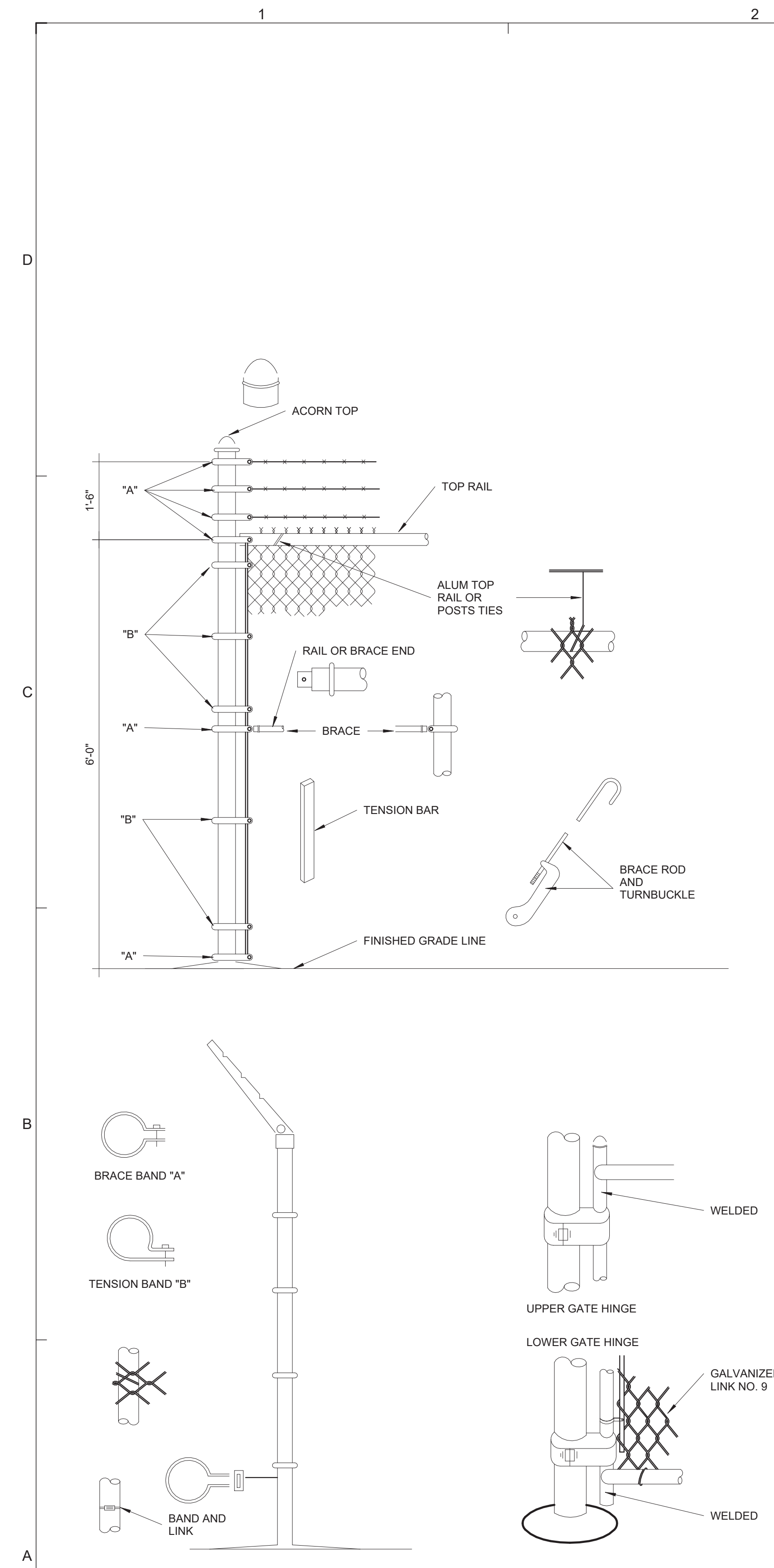
- NOTES:  
 1. THE FOLLOWING PARAMETERS WERE USED TO COMPUTE THE WIND PRESSURES:  
 1.1. WIND SPEED = 154 MPH (AS PER PR BUILDING CODE 2018)  
 1.2. COMPONENTS AND CLADDING (C&C) CALCULATIONS PER CH 30 PART 2  
 1.3. MEAN ROOF HEIGHT (h) = 14.17 FT  
 1.4. THE PRESSURES SHOWN ARE UNFACTORED (ASD).  
 2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THIS INFORMATION TO THE ROOF INSULATION AND ROOF MEMBRANE MANUFACTURERS.  
 3. THE ROOF INSULATION AND ROOF MEMBRANE MANUFACTURERS ARE RESPONSIBLE TO PROVIDE THE REQUIRED ANCHORAGE RECOMMENDATIONS OF THEIR PRODUCTS TO THE ROOF METAL DECK BASED ON THE PROVIDED WIND PRESSURES.

**2 WIND PRESSURES - COMPONENTS & CLADDING**  
 3/8" = 1'-0"



**1 CHAIN LINK FENCE WITH BARBED WIRE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)**  
 N.T.S.

- NOTES:**
- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
  - LINE POSTS 2 1/2" O.D. GALV. - STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
  - TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
  - CORNER POST 3" O.D. GALV. - STD. WEIGHT PIPE - 6.79 LBS. PER LIN. FT.
  - TENSION WIRE GA. NO.7 GALVANIZED
  - GATE POST 4" O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
  - GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOVEN.
  - STD. WEIGHT PIPE, SCHEDULE 40A, 120
  - TUBULAR STEEL PIPE SHALL BE INSTALL EVERY 50'-0" PANEL SPAN (SPAN=10'-0")
  - TUBULAR STEEL PIPE SHALL BE INSTAL EVERY DIRECTIONS CHANGE IN THE FENCE.
  - TUBULAR STEEL PIPE SHALL BE INSTALL AT EACH FENCE END PANEL.
  - ALL FITTINGS - EXTRA HEAVY DUTY.
  - MILL CERTIFICATE SHALL BE SUBMITTED.



**3 INSTALLATION DETAILS FOR CHAIN LINK FENCE & GATES**  
 N.T.S.



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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

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**DISCIPLINE INFORMATION:**  
PRIME PROFESSIONAL:  
ANNETTE ALFONSO  
PROFESSIONAL OF RECORD:  
ANNETTE ALFONSO  
STAFF DESIGNER:  
JOHANNA SALCEDO  
I.C. AUDITOR:

**PROFESSIONAL'S STATEMENT:**

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
NORTH REGION STAGE 1  
BID PACKAGE N1-3  
PW: 8067 / UTUADO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:

**DETAILS AND SPECIFICATIONS**

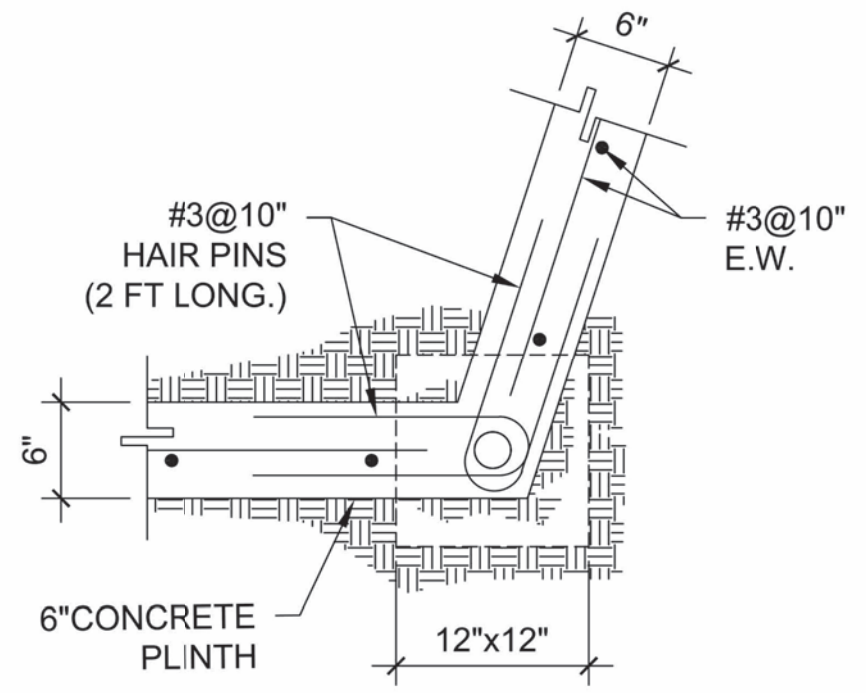
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**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER: 21-0258-02
PRINT DATE & TIME: 4/22/2024 3:28:47 PM	BIM FILE NAME:
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SHEET NO.  
**4DT503**  
OF

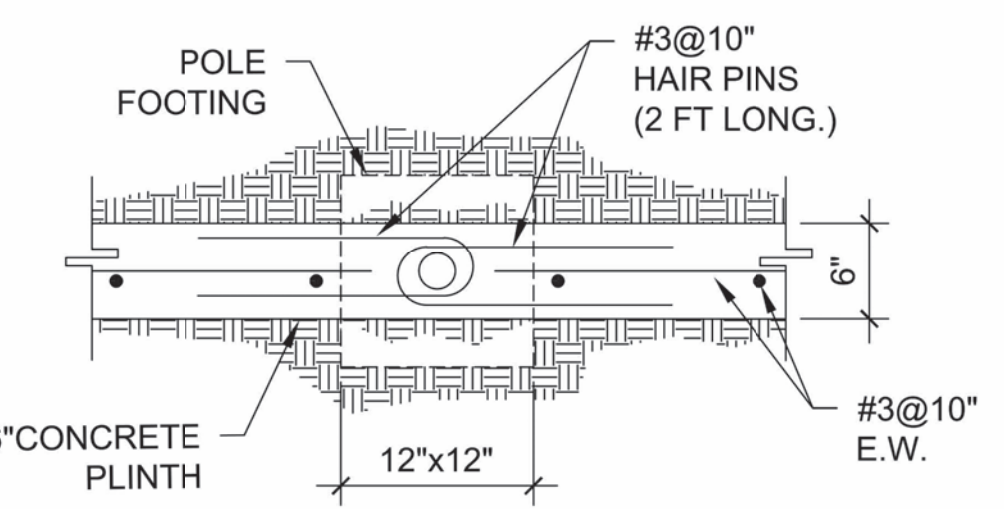
**NOTES:**

- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
- LINE POSTS 2 7/8" O.D. GALV. - STD.WEIGHT PIPE.
- TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE. PER LIN. FT. (GATE FRAME IDEM.)
- CORNER POST 2 7/8" Ø O.D. GALV. - STD. WEIGHT PIPE
- TENSION WIRE GA. NO.7 GALVANIZED
- GATE POST 4"O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
- GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOOVEN.
- STD. WEIGHT PIPE, SCHEDULE 40A. 120
- TUBULAR STEEL PIPE SHALL BE INSTALL EVERY 50'-0" PANEL SPAN (SPAN=10'-0')  
- TUBULAR STEEL PIPE SHALL BE INSTAL EVERY DIRECTIONS CHANGE IN THE FENCE.  
- TUBULAR STEEL PIPE SHALL BE INSTALL AT EACH FENCE END PANEL.
- ALL FITTINGS - EXTRA HEAVY DUTY.
- MILL CERTIFICATE SHALL BE SUBMITTED.



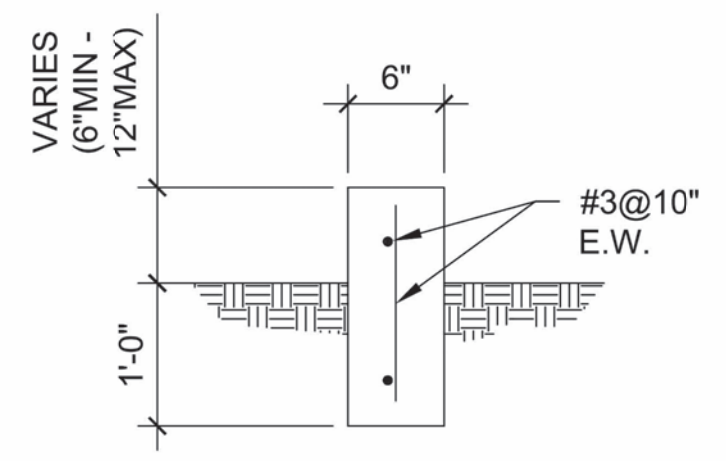
**TOP VIEW**

**ADDITIONAL REINFORCEMENT  
AT FENCE POLE LOCATION  
(AT CORNERS)**

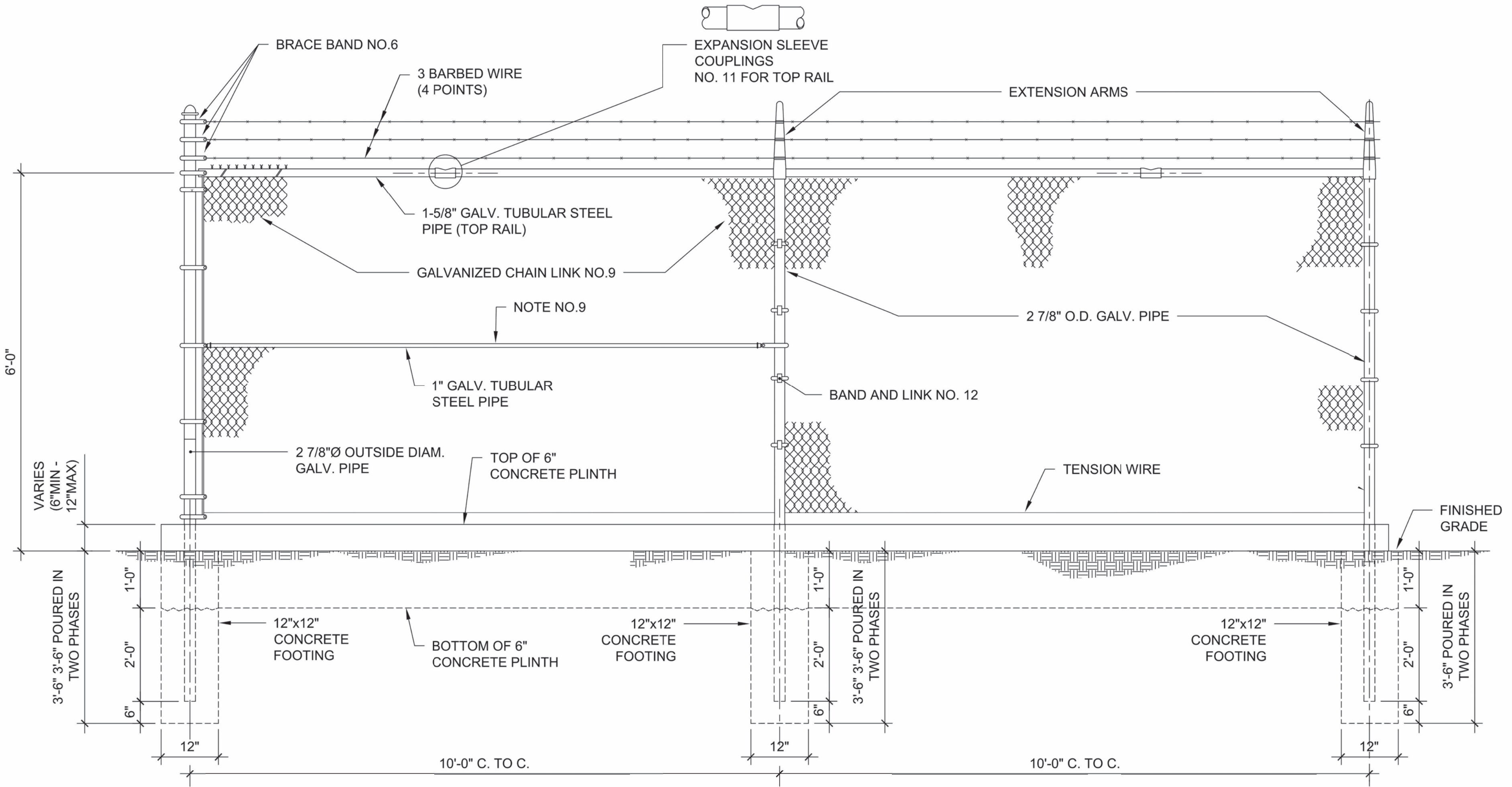


**TOP VIEW**

**ADDITIONAL REINFORCEMENT  
AT FENCE POLE LOCATION**



**TYPICAL 6" CONCRETE  
PLINTH SECTION**



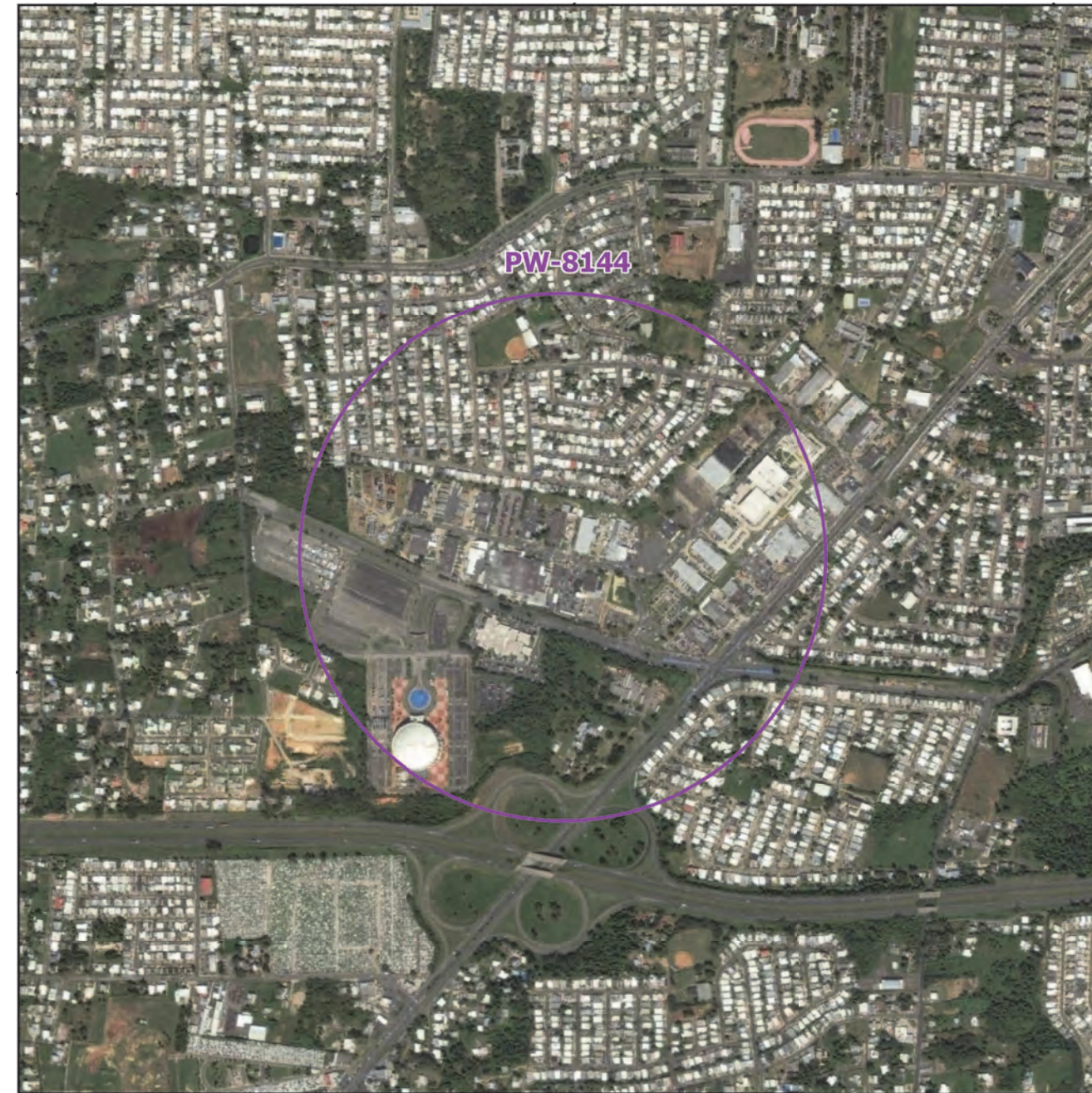
**CHAIN LINK FENCE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)**

**CHAIN LINK FENCE WITH BARBED  
WIRE AND CONCRETE PLINTH**

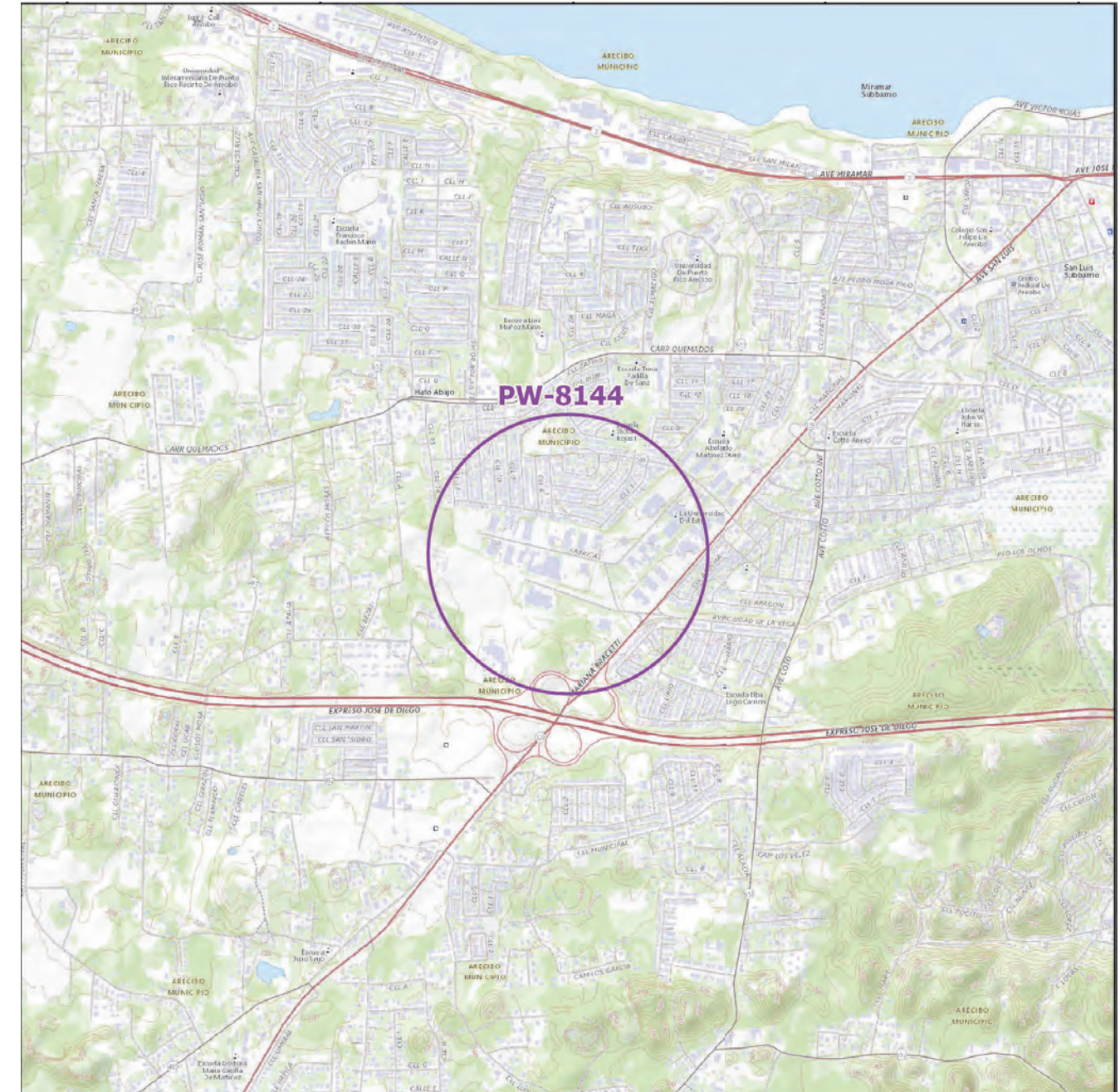
1  
N.T.S.



FLOOD MAP



AERIAL PHOTO



LOCATION MAP  
SCALE 1:20,000

# NORTH REGION STAGE 1 BID PACKAGE N1-3 PRIDCO-FEMA 4339 DR PROGRAM

## REPAIR AND IMPROVEMENTS OF INDUSTRIAL BUILDINGS OF THE PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY FOR THE:

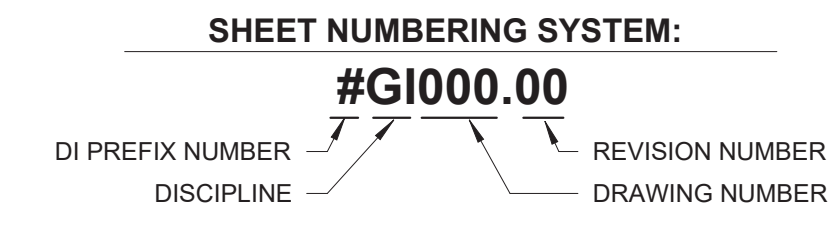
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- 6. PW: 8144 / DI: 218815 / Bldg: T093606800 / Mun: Arcibo
- 7. PW: 8144 / DI: 218823 / Bldg: T125507900 / Mun: Arcibo

FEBRUARY 21, 2024

INDEX OF DRAWINGS - PW 8144, DI 218811			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	6GI001		COVER SHEET - DI 218811
00-GENERAL	6GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	6AE101		SITE PLAN BUILDING T082506700 DI 218811
05-DETAILS	6DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	6DT502		DETAILS AND SPECIFICATIONS

INDEX OF DRAWINGS - PW 8144, DI 218815			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	6GI001		COVER SHEET - DI 218815
00-GENERAL	6GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	6AE101		SITE PLAN BUILDING T093606800 DI 218815
05-DETAILS	6DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	6DT502		DETAILS AND SPECIFICATIONS

INDEX OF DRAWINGS - PW 8144, DI 218823			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	7GI001		COVER SHEET - DI 218823
00-GENERAL	7GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	7AE101		SITE PLAN BUILDING T125507900 DI 218823
05-DETAILS	7DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	7DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	7DT503		DETAILS AND SPECIFICATIONS



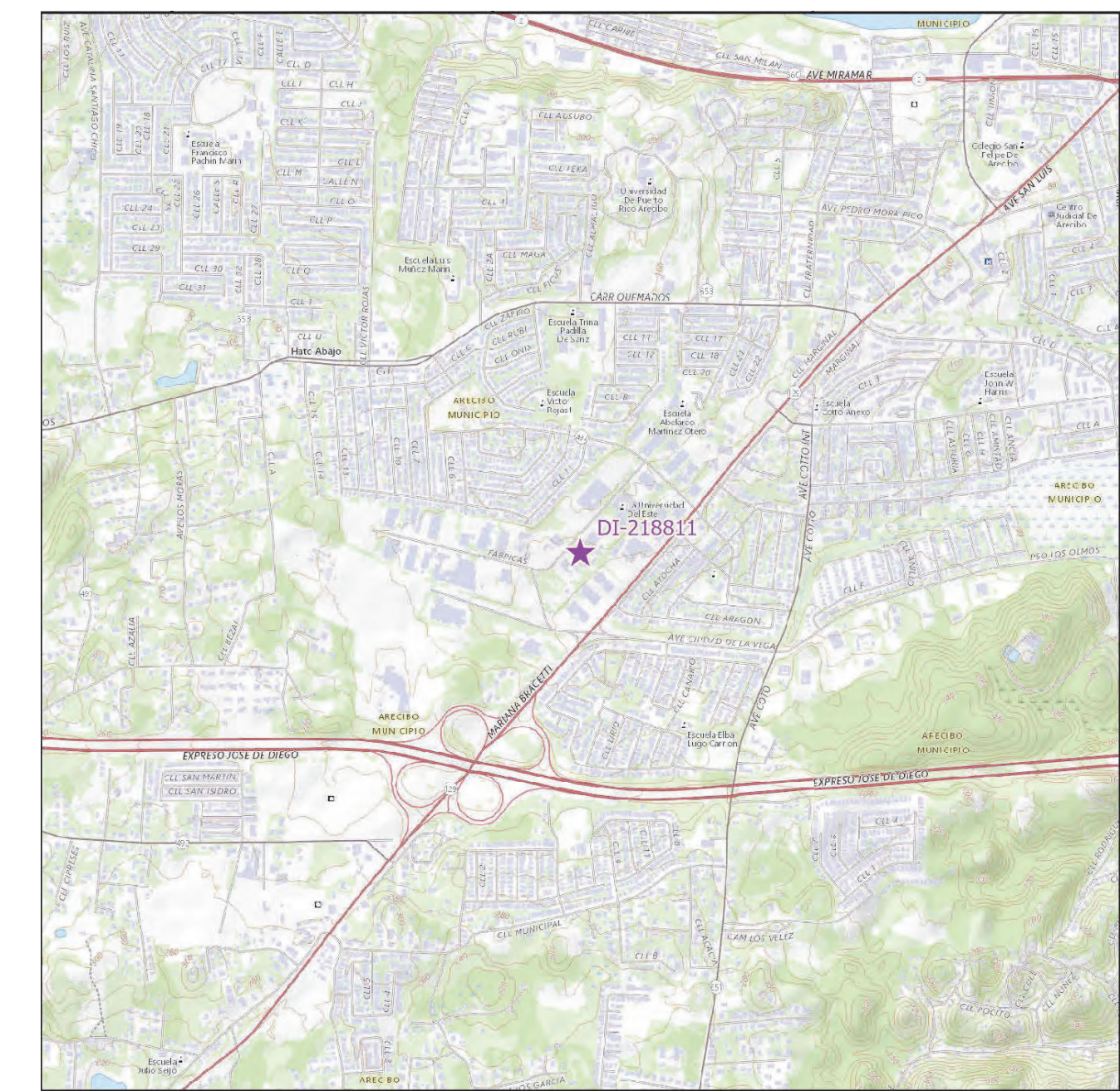
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FLOOD MAP



AERIAL PHOTO  
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LOCATION MAP  
SCALE 1: 20,000

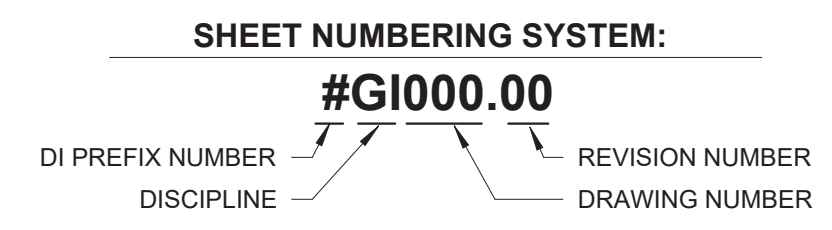
INDEX OF DRAWINGS - PW 8144, DI 218811			
Discipline	Sheet Number	Current Revision	Sheet Name
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00-GENERAL	5GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	SAE101		SITE PLAN BUILDING T082506700 DI 218811
05-DETAILS	5DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	5DT502		DETAILS AND SPECIFICATIONS

# PRIDCO-FEMA 4339 DR PROGRAM NORTH REGION STAGE 1 BID PACKAGE N1-3

5. PW: 8144 | DI: 218811 | Bldg: T082506700

Road PR-128, Km. 40.9, Lot #24, Zeno Gandia Industrial Park, Arecibo, Puerto Rico, 00612

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



DRAWING INFORMATION:	
SHEET TITLE:	
COVER SHEET - DI 218811	
SCALE:	
AS SHOWN	
DELIVERY DATE:	PROJECT NUMBER:
4/22/2024 3:28:49 PM	21-0258-02
DRAWING / MODEL LOCATION:	
SHEET NO. <b>5GI001</b>	

**GENERAL NOTES**

- PERFORM WORK IN ACCORDANCE WITH OSHA RULES AND REGULATIONS, COMPLY WITH THE REQUIREMENTS SET FORTH BY THE PR BUILDING CODE 2018, PR FIRE CODE 2018, PR MECHANICAL CODE 2018, PR PLUMBING CODE 2018, PR EXISTING BUILDING CODE 2018, ICC SUITE CODES 2018, AND WITH OTHER CODES, STANDARDS, AND REGULATIONS CALLED FOR IN SAID CODES.
- COMPLY WITH APPLICABLE RULES AND REGULATIONS FOR OBTAINING NECESSARY AND REQUIRED INSPECTIONS, APPROVALS AND PERMITS NECESSARY TO PERFORM WORK AND SERVICES FOR THE PROJECT. EXECUTE WORK IN ACCORDANCE WITH THE BEST ACCEPTED TRADE PRACTICES, AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, AND IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE NOISE, DUST, OR DISTURBANCE TO OCCUPANTS.
- IMPLEMENT SAFETY CONTROLS DURING DEMOLITION/CONSTRUCTION WORK. DAILY REMOVE DEBRIS RESULTING FROM DEMOLITION/CONSTRUCTION AND TRANSPORT IT OUT OF PROJECT LIMITS. PERFORM DISPOSAL OPERATION IN ACCORDANCE WITH GOVERNMENT APPROVALS AND REGULATIONS. SITE AND STRUCTURE SHALL BE LEFT BROOM CLEAN FOR SUBSTANTIAL COMPLETION.
- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN THE FIELD BEFORE PROCEEDING WITH ANY PORTION OF THE WORK. ADVISE IN WRITING TO CONSTRUCTION MANAGER AND ARCHITECT OF DISCREPANCY BETWEEN EXISTING CONDITIONS AND DRAWINGS.
- REPORT TO CONSTRUCTION MANAGER AND ARCHITECT DISCREPANCIES IN THE CONTRACT DRAWINGS, SPECIFICATIONS OR DETAILS PRIOR TO COMMENCING THE WORK.
- COORDINATE CIVIL, MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL REQUIREMENTS FOR PROPER LOCATION AND PROVISIONS OF SLEEVES, INSERTS, OPENINGS AND ROUGH-IN REQUIRED.
- CONDUCT DEMOLITION/CONSTRUCTION OPERATION TO INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS AND OTHER ADJACENT FACILITIES.
- THE USE OF A BRAND NAME AND/OR MODEL NUMBER TO DENOTE PRODUCTS, EQUIPMENTS, MATERIALS, OR PROCESS, IS INTENDED TO ESTABLISH A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION.
- DO NOT COMMENCE ANY DEMOLITION OF SITE ELEMENTS OR STRUCTURE UNTIL THE HAZARDOUS MATERIAL ABATEMENT IS DONE AND EPA CERTIFICATION IS OBTAINED, STATING THAT THE SITE ELEMENTS AND STRUCTURES ARE FREE OF HAZARDOUS MATERIALS. PRIOR TO COMMENCEMENT OF THE HAZARDOUS MATERIAL ABATEMENT THE BUILDING AND SITE SHALL BE VACANT.
- SPECIFIED TREE PRUNING OR CUTTING OR INCIDENTAL TO OTHER REPAIR WORK MAY REQUIRE A DRNA PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT BEFORE PERFORMING THE WORK.

**ARCHITECTURAL NOTES**

- PRESSURE WASH, MINIMUM 3,000 PSI, EXISTING BUILDING EXTERIOR WALLS, WINDOWS, AND DOORS BEFORE BEGINNING SPECIFIED WORK.
- REPAIR INTERIOR AND EXTERIOR WALL SURFACES WITH CEMENT PLASTER PRIOR TO APPLYING PAINT FINISH. REPAIR WORK INCLUDES, BUT IS NOT LIMITED TO CUT AND PATCHING, REMOVAL OF NAILS AND SCREWS FROM WALLS, REPAIR OF MAJOR IMPERFECTIONS ON WALLS AND FINISHES IN GENERAL.
- FULL TEAR-OFF OF ROOF WATERPROOFING SYSTEM INCLUDING MEMBRANE, INSULATION AND FLASHINGS WHERE SYSTEM REPLACEMENT IS SPECIFIED. A ROOF MOISTURE SURVEY MAY BE REQUIRED PRIOR TO INSTALLATION OF NEW MEMBRANE.
- CLEAN, REPAIR AND VERIFY STRUCTURAL INTEGRITY OF ROOF DECK PRIOR TO THE INSTALLATION OF THE WATERPROOFING SYSTEM. COMPLY WITH THE MANUFACTURER RECOMMENDATIONS FOR THE INSTALLATION OF ROOF MEMBRANE TO VALIDATE THE WARRANTY.

**ELECTRICAL GENERAL NOTES**

- NO WIRE SHALL BE SMALLER THAN #12 AWG THHN, 600 VOLTS.
- NO CONDUIT SHALL BE SMALLER THAN 3/4".
- ALL CONDUIT SHALL BE RIGID GALVANIZED EXCEPT OTHERWISE INDICATED.
- ALL WIRE SHALL BE COPPER, INSULATED AS NOTED.
- LEAVE A #12 AWG GALVANIZED FISH WIRE IN ALL EMPTY CONDUITS.
- ALL UNDERGROUND CONDUITS SHALL BE PROTECTED WITH 4" CONCRETE ENVELOPE.
- EXPANSION FITTINGS SHALL BE USED FOR EVERY CONDUIT CROSSING BUILDING EXPANSION JOINTS.
- CONTRACTOR SHALL BALANCE ALL LOADS.
- PROVIDE A #12 GREEN THW BONDING JUMPER BETWEEN EACH OUTLET BOX AND RECEPTACLE GROUNDING TERMINAL, USE 3/8" LONG 10-32 GROUNDING SCREW.
- ALL INSTALLATIONS SHALL BE EXPOSED UNLESS OTHERWISE INDICATED.
- EXPOSED CONDUITS SHALL BE SUPPORTED BY MEANS OF ONE BOLT CLAMP SPACED NOT FURTHER THAN 7'-6" APART.
- AN EXPOSED WORK CONDULET SHALL BE USED FOR ALL 90 BENDS.
- ALL NON-GALVANIZED METAL PARTS SHALL BE GIVEN ONE COAT OF RED OXIDE AND TWO COATS OF METALLIC GRAY PRIOR TO INSTALLATION.
- ALL GALVANIZED RIGID CONDUITS FOR TOGGLE SWITCHES AND RECEPTACLES LOCATED AT DOORWAYS AND LEAN - TO SHALL BE CONCEALED WITHIN ROOF SLAB, WALLS AND OVERHANGS.
- CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO TEST ALL ELECTRICAL SYSTEM IN PRESENCE OF THE REPRESENTATIVE FROM THE MECHANICAL AND ELECTRICAL DEPARTMENT.
- ALL LIGHTING CIRCUITS SHALL HAVE ONE (1) PORCELAIN LIGHT SOCKET WITH A LED TYPE BULB, EQUIVALENT TO 100W INCANDESCENT LUMENS. SWITCHES AND RECEPTACLES SHALL BE INSTALLED 4'-0" A.F.F.
- THE NEUTRAL WIRES SHALL BE IDENTIFIED THROUGHOUT THE INSTALLATION BY THE USE OF WHITE COVERED LIVE WIRES WITHIN THE SAME CONDUIT SHALL BE COLOR CODED AS PER N.E.C.
- RECEPTACLES AND LIGHTING CIRCUITS SHALL BE #12 THHN WIRE AND SHALL BE CONNECTED TO 20 AMP BREAKERS AT THE PANELBOARD.
- ALL OVERHANGS AND LEAN - TO'S SHALL BE PROVIDED WITH LIGHT SOCKETS.
- CONTRACTOR SHALL VERIFY LENGTH OF FEEDERS IN THE FIELD BEFORE SUBMITTING BIDS.
- ALL SWITCHES AND RECEPTACLES THAT ARE CONCEALED IN WALLS AND OVERHANGS SHALL BE PROVIDED WITH STAINLESS STEEL COVERS.
- CONTRACTOR SHALL CONTACT THE CONTRACT ENGINEER OF LUMA PRIOR TO THE BEGINNING OF THE WORK AND COORDINATE WITH THEM FOR THE EXECUTION OF THE WORK CONCERNING THE SERVICE ENTRANCE AND SUBSTITUTION IF REQUIRED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF INSPECTION AT THE COMPLETION OF THE WORK AND SHALL FORWARD IT TO THE PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE N.E.C. AND LUMA.
- ALL BOXES FOR RECEPTACLES & LIGHTING SWITCHES FOR EXPOSED INSTALLATION SHALL BE "FS" TYPE.
- CONTRACTOR SHALL SUBMIT A LIST OF MATERIALS AND EQUIPMENT GIVING MANUFACTURER CATALOG NUMBERS AND COMPLETE SPECIFICATIONS AND DRAWINGS FOR APPROVAL OF P.R.I.D.C.O. PRIOR TO THE PURCHASING OF SAID MATERIALS AND/OR EQUIPMENT.

**PLUMBING GENERAL NOTES:**

- PLUMBING SHALL BE IN STRICT ACCORDANCE WITH THE 2018 PUERTO RICO BUILDING CODE.
- FURNISH AND SET IN PLACE BEFORE CONCRETE POURING ALL NECESSARY SLEEVES FOR WASTE OR SOIL, VENT, HOT, AND COLD WATER LINES, THESE SLEEVES SHALL BE AS SPECIFIED OR REQUIRED BY THE ARCHITECT.
- THE PLUMBING DRAWING IS GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. RUN ALL PIPING CONCEALED WHEREVER POSSIBLE UNLESS OTHERWISE NOTED.
- SIZES SHOWN IN FIXTURE SCHEDULE ARE MINIMUM AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODE REQUIREMENTS OR AS SHOWN ON DRAWINGS.
- BEFORE CONSTRUCTION VERIFY EXISTING ELEVATIONS AGAINST PROPOSED SLOPES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- CLEANOUT SHALL BE OF SAME SIZE AS THE PIPES TO WHICH THEY ARE CONNECTED UP TO 4", FOR LARGE PIPES; CLEANOUT SHALL BE 4".
- UNLESS OTHERWISE INDICATED, ALL DRAINAGE PIPING 3" AND SMALLER SHALL BE SLOPED 1/4" PER FT., LARGER PIPES SHALL BE SLOPED 1/8" PER FOOT.
- CLEANOUT SHALL BE NOT MORE THAN 50 FEET APART IN HORIZONTAL DRAINAGE LINES OF 4" NOMINAL DIAMETER OR LESS AND NOT MORE THAN 100 FEET APART FOR LARGER PIPES.
- FOR FIXTURES AND EQUIPMENT NOT LISTED IN SCHEDULE, SEE CONTRACT SPECIFICATIONS.
- DETERMINE EXACT LOCATION OF THE PIPING TO AVOID ANY INTERFERENCE WITH PIPING AND/OR EQUIPMENT BEING INSTALLED BY ANOTHER SUB-CONTRACTOR.
- SANITARY TEES (SINGLE AND DOUBLE) AND QUARTER BENDS SHALL BE ACCEPTABLE ONLY FOR CHANGES OF DIRECTION FROM HORIZONTAL TO VERTICAL.
- USE LONG SWEEPING FITTINGS AND/OR LONG SWEEP BENDS AT BASE OF ALL STACKS.
- PROVIDE ROUGHING-IN AND INSTALL ALL PLUMBING FIXTURES AND/OR EQUIPMENT WHICH ARE SUPPLIED BY OTHERS.
- FOR ALL UNDERGROUND SANITARY AND STORM DRAINAGE USE: PVC POLY(VINYL CHLORIDE) SEWER PIPE AND FITTING: ASTM D 3034, SDR-35, FOR SOLVENT CEMENT OR ELASTOMERIC GASKET JOINTS. A. SOLVENT CEMENT: ASTM D 2564 B. GASKETS: ASTM F 477, ELASTOMERIC SEAL.
- PROVIDE ALL PIPE OPENINGS THROUGH SLABS WITH SLEEVES HAVING AN INTERNAL DIAMETER AT LEAST 1" LARGER THAN THE OUTSIDE DIAMETER OF UN-INSULATED PIPES OR OF THE INSULATION FOR INSULATION SERVICES. FLOOR SLEEVES ARE TO PROJECT 2" ABOVE FINISHED FLOORS.
- SLEEVES SHALL BE SCHEDULES 40 GALVANIZED STEEL PIPE.
- BOTTOM OF THE WATER SERVICES LINE SHALL BE 12 INCHES ABOVE THE HIGHEST POINT OF THE SEWER LINE WHENEVER THE HORIZONTAL DISTANCE BETWEEN THEM IS LESS THAN 5 FT.
- PROVIDE DOWNSPOUT NOZZLES (SIMILAR TO JAY R. SMITH FIG 1770) AT THE OVERFLOW RAIN WATER OUTLETS, AT FIRST LEVEL.
- CONTRACTOR SHALL SUPPLY AND INSTALL 1/4 TURN SHUT OFF VALVES AT EVERY PLUMBING FIXTURE.
- ALL PLUMBING FIXTURES, COLORS AND FINISHES, SELECTION BY ARCHITECT.

**HVAC GENERAL NOTES:**

- SUPPLY AND INSTALL ALL ELECTRICAL CONTROLS, SAFETY SWITCHES AND ACCESSORIES NOT INDICATED IN THE ELECTRICAL DRAWING AND NECESSARY FOR THE PROPER OPERATION OF THE EQUIPMENT IN ACCORDANCE WITH THE MECHANICAL EQUIPMENT RECOMMENDATIONS AND THE NATIONAL ELECTRIC CODE.
- PERFORM ALL WIRING AND CONNECTION (POWER AND CONTROL) NOT INDICATED IN THE ELECTRICAL DRAWINGS AND NECESSARY FOR THE PROPER OPERATION OF THE MECHANICAL EQUIPMENT IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- TAKE EVERY PRECAUTION IN ORDER TO MINIMIZE OR ELIMINATE THE TRANSMISSION OF NOISE OR VIBRATION FROM THE EQUIPMENT, PIPING SYSTEM OR DUCT SYSTEM TO THE CONDITIONING SPACE.
- EQUIPMENT, MATERIALS AND ACCESSORIES SHALL BE SIMILAR TO THE INDICATED SPECIFICATION AND/OR MANUFACTURER MODEL OR CATALOG NUMBER.
- UNLESS OTHERWISE NOTED IN DRAWINGS AND/OR SPECIFICATIONS ALL EQUIPMENT AND ACCESSORIES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

**CIVIL SITE GENERAL NOTES**

- ALL DISTANCES AND ELEVATIONS ARE EXPRESSED IN METERS UNLESS OTHERWISE SPECIFIED.
- ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL.
- COORDINATES ARE BASED ON THE LAMBERT PROJECTION FOR PUERTO RICO AND THE US VIRGIN ISLAND AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83 NAD2011) EPOCH 2010.00 ADJUSTED IN METERS
- THE CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER BEFORE CUTTING OR TRIMMING EXISTING TREES AFFECTED BY THE CONSTRUCTION
- THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR EACH PROJECT AREA, THE CONTROL OF EROSION AND SEDIMENTATION (CES) PLAN FOR APPROVAL BY THE PERTINENT AGENCY AND THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS. THE DEWATERING PLAN SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR APPROVAL AND COORDINATION.
- DEWATERING PLANS SHALL INCLUDE CONTROL OF EROSION AND SEDIMENTATION FOR EACH PROJECT PHASE AND/OR WORK AREA. THE WATER FROM THE DEWATERING SYSTEM SHALL BE FREE OF SEDIMENT AND/OR DEBRIS BEFORE ANY DISPOSAL.
- THE CONTRACTOR SHALL MAINTAIN THE DEWATERING SYSTEM UNTIL DEWATERING IS NO LONGER REQUIRED.
- ELECTRICAL, COMMUNICATION, SANITARY AND POTABLE WATER SERVICE SHALL NOT BE INTERRUPTED DURING CONSTRUCTION. IF NECESSARY, A PROVISIONAL TEMPORARY SERVICE AND/OR BY-PASS SHALL BE INSTALLED TO MAINTAIN SERVICE. PROVISIONAL TEMPORARY SERVICE AND/OR BY-PASS SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR APPROVAL AND COORDINATION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT THE MAINTENANCE OF SERVICE PLAN FOR ELECTRICAL, SANITARY AND POTABLE WATER FOR APPROVAL OF THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY ELEMENT SUSPECTED OF CONTAINING HAZARDOUS MATERIAL IS ENCOUNTERED, PRIOR TO ANY RELATED WORK ACTIVITY.
- THE CONTRACTOR SHALL VISIT THE PROJECT AREA TO VERIFY THE SPACE LIMITATIONS FOR CONSTRUCTION PROCESS AND EQUIPMENT. THE CONTRACT PRICE SHALL CONSIDER THE REQUIRED CONSTRUCTION PROCESS AND/OR EQUIPMENTS.
- PRIOR TO COMMENCEMENT OF THE WORK, CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT PROJECT SITE AND SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONTRACT DOCUMENTS THAT COULD AFFECT CONSTRUCTION WORK SCHEDULE AND/OR PERFORMANCE.
- ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING FACILITIES DAMAGED DURING CONSTRUCTION PRIOR TO SUBSTANTIAL COMPLETION.
- THE CONTRACTOR SHALL MAINTAIN IN OPERATION EXISTING FACILITIES UNTIL NEW FACILITIES ARE IN OPERATION.

**GENERAL STRUCTURAL NOTES**

**STRUCTURAL BUILDING AND DESIGN CODES:**

- PUERTO RICO BUILDING CODE 2018 AND ITS BINDING REFERENCED STANDARDS, INCLUDING BUT NOT LIMITED TO:
  - THE INTERNATIONAL BUILDING CODE 2018
  - AMERICAN INSTITUTE FOR STEEL CONSTRUCTION (AISC), STEEL CONSTRUCTION MANUAL, 15<sup>TH</sup> EDITION
  - AMERICAN CONCRETE INSTITUTE (ACI), BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14
  - AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES, ASCE/SEI 7-16

**STRUCTURAL NOTES ON CONCRETE REPAIR:**

- ALL CONCRETE REPAIR WORKS SHALL BE PERFORMED FOLLOWING THE GUIDELINES OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI), HIRING A PROFESSIONAL EXPERIENCED IN THIS TYPE OF REPAIR IS RECOMMENDED TO ENSURE A PROPER REPAIR.
- FOR THE REPAIR OF AREAS AFFECTED BY CORROSION, ICRI NO. 03730 GUIDELINE FOR SURFACE PREPARATION FOR THE REPAIR OF DETERIORATED CONCRETE RESULTING FROM REINFORCING STEEL CORROSION SHOULD BE FOLLOWED.
- BEFORE COMMENCING ANY CONCRETE REPAIR WORK, THE CONTRACTOR SHALL REVIEW THE REPAIR DETAILS PRESENTED IN THE DRAWINGS. IN CASE OF DOUBT WITH THE REPAIR DETAILS PRESENTED, THE CONTRACTOR SHOULD CONTACT THE ARCHITECT OR ENGINEER OF RECORD TO CLARIFY THEM.
- IT IS IMPORTANT TO FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR EACH PRODUCT UTILIZED FOR THIS JOB, IN ORDER TO GUARANTEE THAT THE REPAIR WORKS ARE CARRIED OUT ADEQUATELY.

**STRUCTURAL NOTES ON CAST-IN-PLACE CONCRETE:**

- PORTLAND CEMENT SHALL BE TYPE II.
- ALL CONCRETE SHALL BE OF REGULAR WEIGHT (145 POUNDS PER CUBIC FOOT).
- THE FOLLOWING CONCRETE MIX PARAMETERS SHALL BE USED UNLESS OTHERWISE NOTED:
  - CONCRETE STRENGTH AT 28 DAYS – 3,000 PSI
  - MAX. WATER/CEMENT RATIO – 0.65
  - RECOMMENDED SLUMP – 3 INCHES
  - MAX. AGGREGATE SIZE (ASTM C33) – 1 INCH
- PROVIDE CONCRETE MIXES DESIGNED BY A QUALIFIED TESTING LABORATORY FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER. CONCRETE MIX DESIGN SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER AUTHORIZED TO EXERCISE THE PROFESSION IN THE COMMONWEALTH OF PUERTO RICO.

**NOTE ON REINFORCING STEEL BARS:**

- ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 (FY = 60 KSI). MAINTAIN THE FOLLOWING CONCRETE COVER FOR REINFORCING STEEL UNLESS NOTED OTHERWISE:
  - CONCRETE CAST AGAINST EARTH: 3 INCHES
  - CONCRETE IN CONTACT WITH THE GROUND: 2 INCHES
  - CONCRETE SLAB AND WALLS WITHOUT CONTACT WITH GROUND: 1 INCHES
  - CONCRETE BEAMS AND COLUMNS: 1 1/2 INCHES

**STRUCTURAL STEEL**

- DESIGN, DETAIL AND ERECT STRUCTURAL STEEL ELEMENTS IN ACCORDANCE WITH THE FOLLOWING:
  - AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
  - AISC MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN.
  - AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
  - AWS STRUCTURAL WELDING CODE, D1.1.
  - STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
    - W SHAPES: ASTM A992 (FY = 50 KSI, FU = 65 KSI)
    - STEEL ANGLE, CHANNELS, PLATES: ASTM A36
    - BOLTS, NUTS AND WASHERS: HIGH-STRENGTH BOLTS, INCLUDING NUTS AND WASHERS: ASTM A325
    - STEEL PLATES FOR LANDINGS AND THREADS: 1/4" ANTI-SLIP DIAMOND TYPE STEEL PLATE A36
  - WELDING ELECTRODE FOR STEEL SHALL BE E70XX.

**METAL DECK**

- PROVIDE DESIGN, FABRICATION, AND ERECTION OF METAL DECK CONFORMING TO THE STEEL DECK INSTITUTE'S "CODE OF RECOMMENDED STANDARD PRACTICE AND BASIC DESIGN SPECIFICATIONS".
- FORM ROOF DECK FROM STEEL SHEETS CONFORMING TO ASTM A 611 GRADE C AND D OR A 653 OR HIGHER SPECIFICATIONS WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
- ATTACH SHEETS TO STEEL SUPPORT MEMBERS AS INDICATED AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. WHEN DECK IS SCHEDULED TO BE EXPOSED, DE-SLAG, CLEAN AND TOUCH UP WELDS WITH A ZINC-RICH PRIMER.
- LAP ROOF AND FLOOR DECK ENDS MINIMUM OF 2 INCHES. WHEN FASTENING DECK TO SUPPORT MEMBERS PROVIDE WELDING MATERIALS INSTALLATION PROCEDURES TO PREVENT BURNING OF HOLES IN DECK.
- AT ENDS OF DECKS OR WHERE CHANGES OF DECK DIRECTION OCCUR, FASTEN TO SUPPORTS AT EACH FLUTE. PROVIDE ADEQUATE CLOSURES AND FASTENERS TO SIDES AT EIGHTEEN INCHES ON CENTER.
- WHERE PARTIAL PANELS MAY BE REQUIRED TO COMPLETE DECK INSTALLATION AT PERIMETER OF STRUCTURE, PROVIDE WELDS IN EACH FLUTE TO STRUCTURAL MEMBERS. INSTALL DECK IN THREE CONTINUOUS SPAN LENGTHS.
- AT PERIMETER OF DECK, SECURE DECK TO STRUCTURAL MEMBERS WITH SAME ATTACHMENT AND SPACING SUPPORT ATTACHMENT AS INDICATED ON PLANS.
- HOT DIP GALVANIZE (G90) AFTER FABRICATION ALL METAL DECK AND TOUCH UP CONNECTIONS WITH A ZINC-RICH PRIMER.

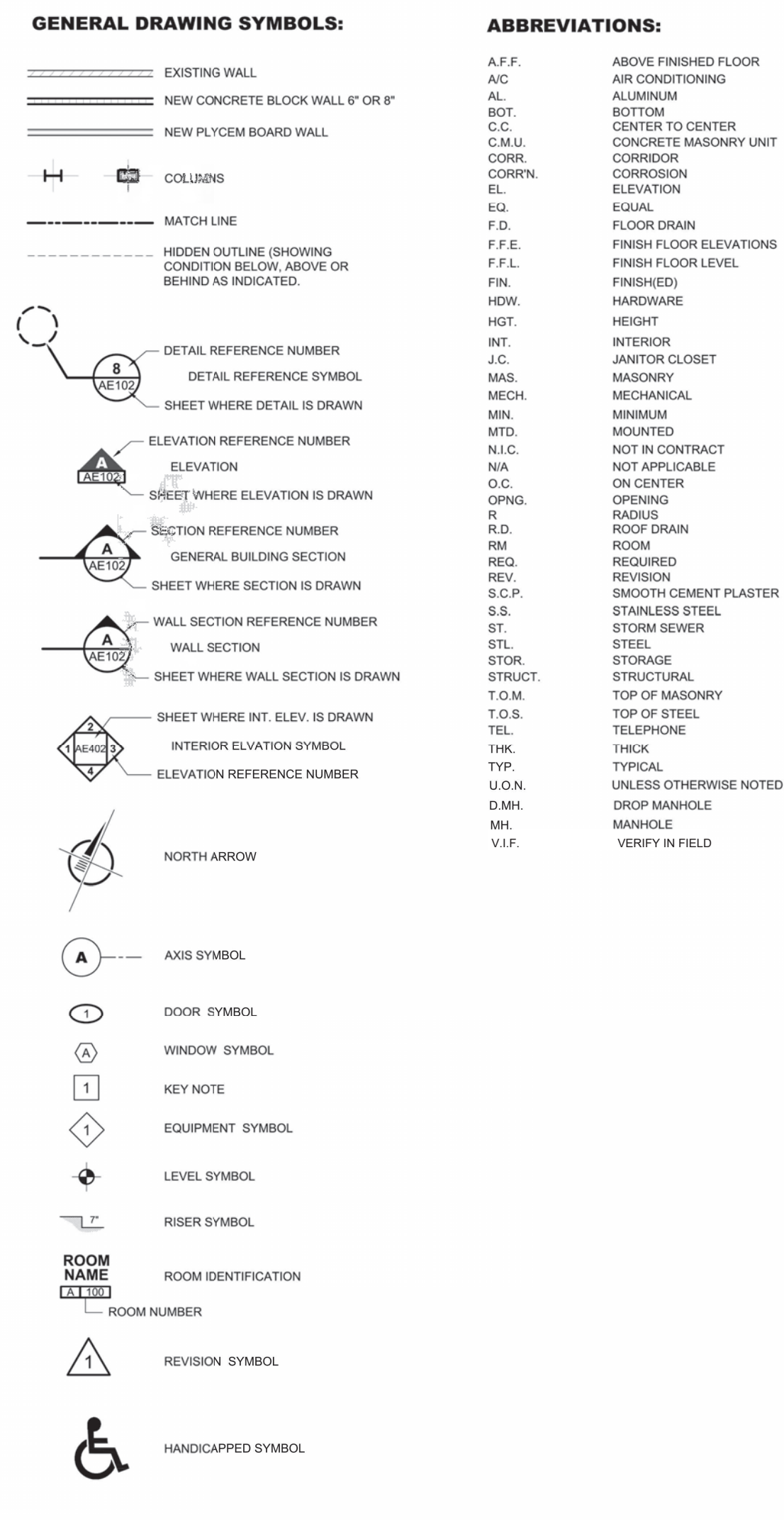
**NOTES (IF APPLICABLE):**

**TREE REMOVAL:**

- REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS, AS REQUIRING REMOVAL, IN A MANNER THAT WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACT THE SOIL.
- REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF DAMAGE TO ADJACENT CROWNS, TRUNKS, GROUND PLANE ELEMENTS AND STRUCTURES.
- DO NOT DROP TREES WITH A SINGLE CUT UNLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TREE AND PLANT PROTECTION AREA. NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALL BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING EQUIPMENT.
- PROTECT ADJACENT PAVING, SOIL, TREES, SHRUBS, GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS, AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM COMPACTION.
- REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH).
- FOR TREES WHERE THE STUMP WILL FALL UNDER NEW PAVED AREAS, GRIND ROOTS TO A TOTAL DEPTH OF 18 INCHES BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20% WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN 20% WOOD. REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING OPERATION AND BACK FILL IN 8 INCH LAYERS WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES, COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION.
- IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILL STUMP HOLES WITH PLANTING SOIL AS DEFINED IN SPECIFICATION SECTION PLANTING SOIL, IN MAXIMUM OF 12 INCH LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR.

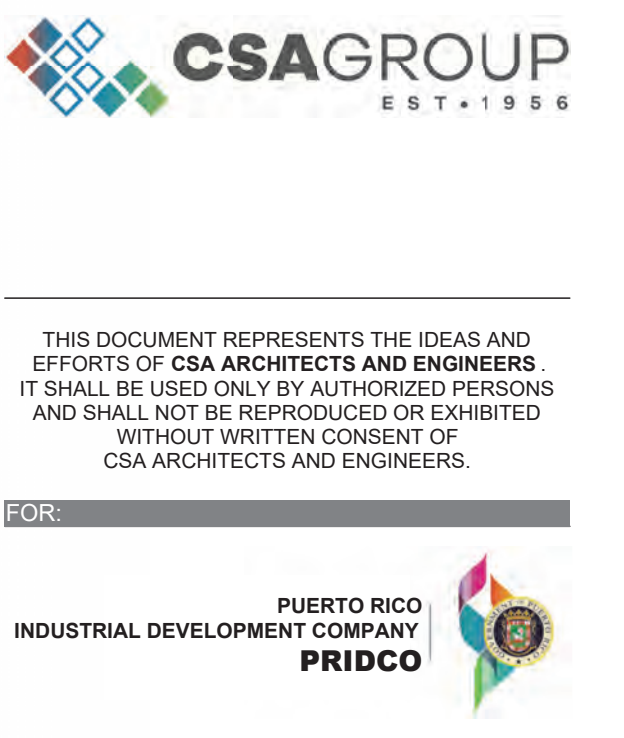
- PRUNING:**
- WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.
  - IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT.
  - PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS:
    - WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.
    - PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.
    - STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION.
  - ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1), ISA BMP TREE PRUNING (LATEST EDITION, AND THE "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY", EDWARD GILMAN, BRIAN KEMPF, NELDA MATHENY AND JIM CLARK, 2013 URBAN TREE FOUNDATION, VISALIA CA.
  - PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE.
  - WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL TREES.

**GENERAL DRAWING SYMBOLS:**



**ABBREVIATIONS:**

A.F.F.	ABOVE FINISHED FLOOR
A/C	AIR CONDITIONING
AL	ALUMINUM
BOT	BOTTOM
C.C.	CENTER TO CENTER
C.M.U.	CONCRETE MASONRY UNIT
CORR.	CORROSION
CORRN.	CORROSION
EL	ELEVATION
EQ.	EQUAL
F.D.	FLOOR DRAIN
F.F.E.	FINISH FLOOR ELEVATIONS
F.F.L.	FINISH FLOOR LEVEL
FRN	FINISHED
HDW.	HARDWARE
HGT.	HEIGHT
INT.	INTERIOR
J.C.	JANITOR CLOSET
MAS.	MASONRY
MECH.	MECHANICAL
MINK.	MINIMUM
MTD.	MOUNTED
N.I.C.	NOT IN CONTRACT
N/A	NOT APPLICABLE
O.C.	ON CENTER
OPNG.	OPENING
R.	RADIUS
R.D.	ROOF DRAIN
RM	ROOM
REQ.	REQUIRED
REV.	REVISION
S.C.P.	SMOOTH CEMENT PLASTER
S.S.	STAINLESS STEEL
ST.	STORM SEWER
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
TEL.	TELEPHONE
THK.	THICK
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
D.M.H.	DROP MANHOLE
M.H.	MANHOLE
V.I.F.	VERIFY IN FIELD



**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**

PROJECT PROFESSIONAL:  
ANNETTE ALFONSO  
PROFESSIONAL OF RECORD

PROJECT ARCHITECT:  
ANNETTE ALFONSO

STAFF ARCHITECT:  
JOHANNA SALCEDO

G.C. ARCHITECT:  
PRINCIPAL CAD TECHNICIAN

**PROFESSIONAL'S STATEMENT:**

YO, ANNETTE ALFONSO  
NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCION, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN, CERTIFICO QUE ENTIENDO QUE DICHS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION CERTIFICADA, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA, SEGUN APLIQUE, RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPE.

**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
NORTH REGION STAGE 1  
BID PACKAGE N1-3  
PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

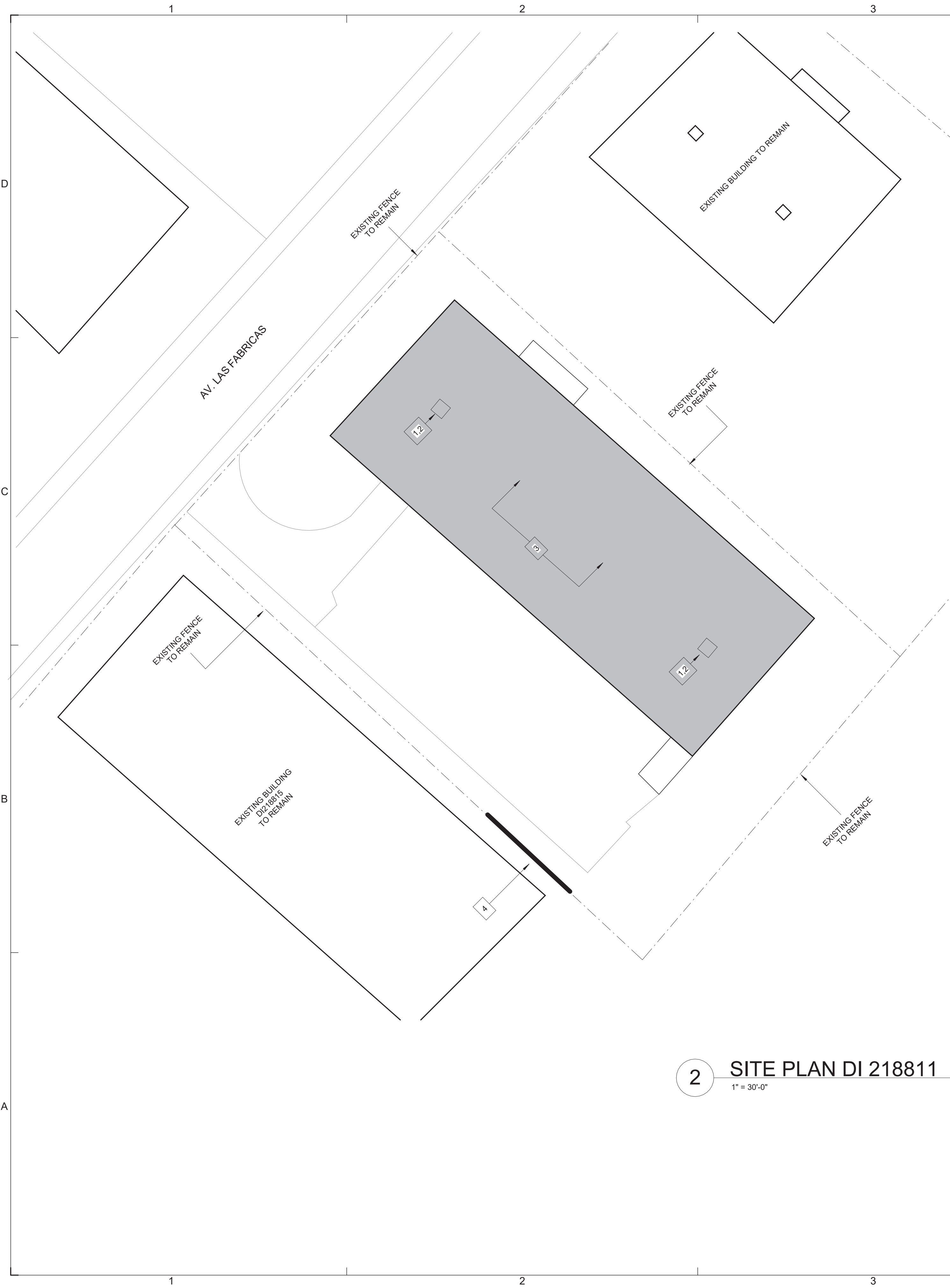
SHEET TITLE:

**GENERAL NOTES, ABBREVIATIONS AND LEGEND**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
	21-0258-02
PRINT DATE & TIME:	BIM FILE NAME:
4/22/2024 3:28:50 PM	
DRAWING / MODEL LOCATION:	

SHEET NO.  
**5GI002**  
OF



**2** SITE PLAN DI 218811  
1" = 30'-0"

CONSTRUCTION KEY NOTES SCHEDULE DI 218811							
#ID	TYPE OF DAMAGE	DESCRIPTION	DIMENSION	QUANTITY	DETAIL	TECHNICAL SPECIFICATIONS	PHOTO
1	PA - Public Assistance	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	5 FT x 5 FT	2 EA	1/5DT501 4/5DT501	233416	
2	HM - Hazard Mitigation	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	2 EA	2/5DT501 3/5DT501	233416	
3	AD - Additional Damages	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	2 EA	2/5DT501 3/5DT501	323113	
4	AD - Additional Damages	Exterior, Site: Remove and dispose damaged material, install new chain link fence (Galv. Ga. No. 9, Post- 2 1/2" diam. galv., 3-strands barbed wire (4-point)).	80 LF L x 6 FT H	80 LF	1/5DT502	323113	

NOTE: SEE GENERAL NOTES, ITEM #7 IN 5GI002

1 / DT501  
DETAIL NUMBER SHEET WHERE DETAIL RESIDES



**1** KEY PLAN DI 218811  
N.T.S.



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**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

DISCIPLINE INFORMATION:  
 PRIME PROFESSIONAL:  
 ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD:  
 ANNETTE ALFONSO  
 STAFF DESIGNER:  
 JOHANNA SALCEDO  
 I.C. AUDITOR:

PROFESSIONAL'S STATEMENT:

YO, ANNETTE ALFONSO  
 NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCIONO, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN, CERTIFICO QUE ENTENDIENDO QUE DICHS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADICIONALMENTE, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA, SEGUN APLIQUE; RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PROJECT:

**PRIDCO DAMAGE IMPROVEMENTS  
 NORTH REGION STAGE 1  
 BID PACKAGE N1-3  
 PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

DRAWING INFORMATION:

SHEET TITLE:  
**SITE PLAN BUILDING  
 T082506700 DI 218811**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
	<b>21-0258-02</b>
PRINT DATE & TIME:	BIM FILE NAME:
4/22/2024 3:28:51 PM	
DRAWING / MODEL LOCATION:	

SHEET NO:  
**5AE101**  
 OF

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY**  
**PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

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 ANNETTE ALFONSO  
 STAFF DESIGNER:  
 JOHANNA SALCEDO  
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 PRINCIPAL CAD TECHNICIAN:

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**PROJECT:**  
**PRIDCO DAMAGE IMPROVEMENTS**  
**NORTH REGION STAGE 1**  
**BID PACKAGE N1-3**  
**PW: 8144 / ARECIBO**

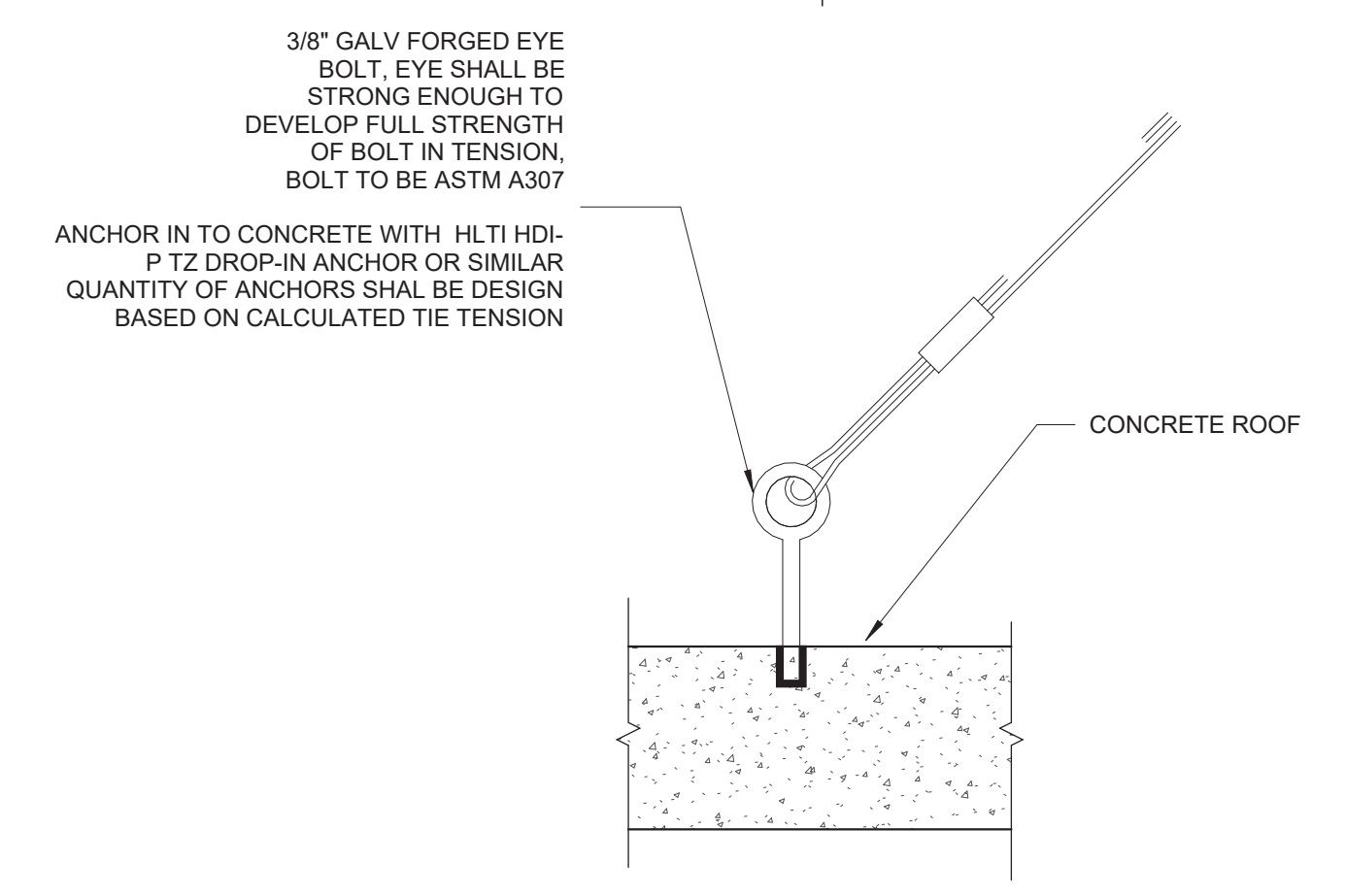
DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**  
 SHEET TITLE:  
**DETAILS AND SPECIFICATIONS**

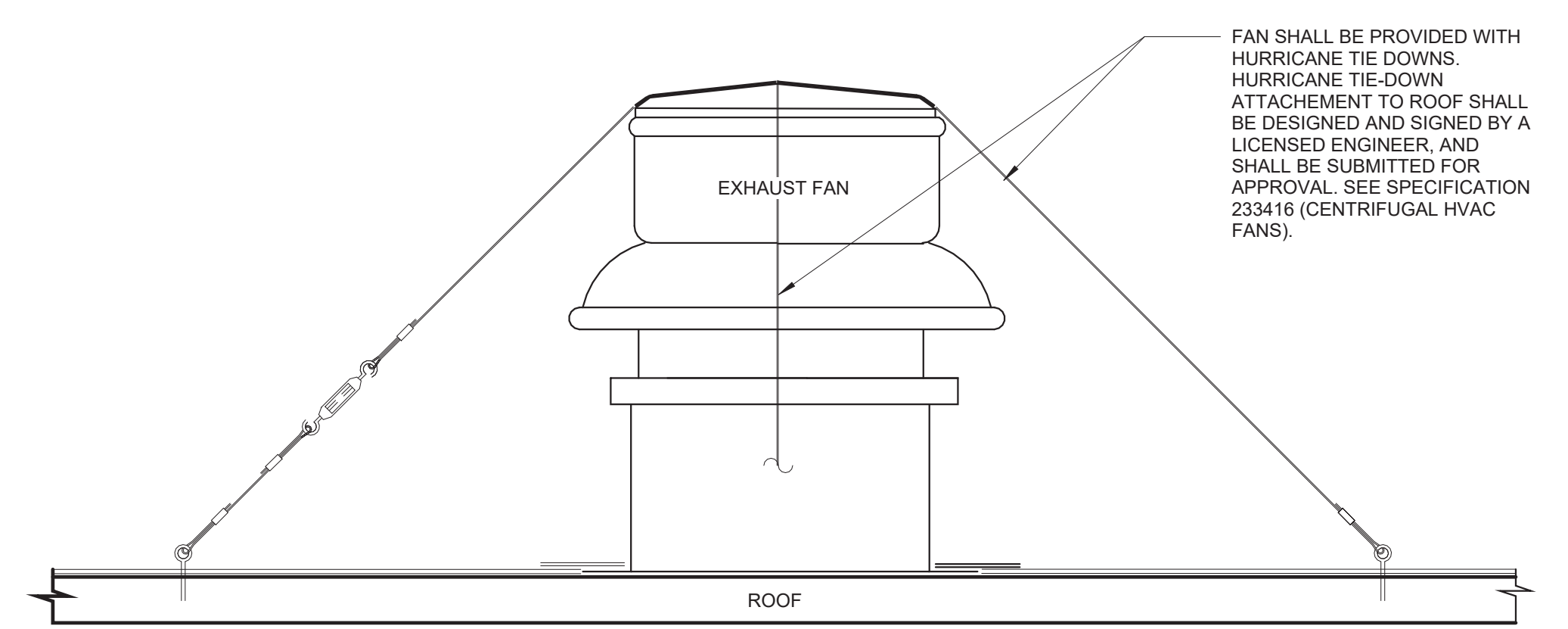
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**AS SHOWN**

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PRINT DATE & TIME:	BIM FILE NAME:
DRAWING / MODEL LOCATION:	

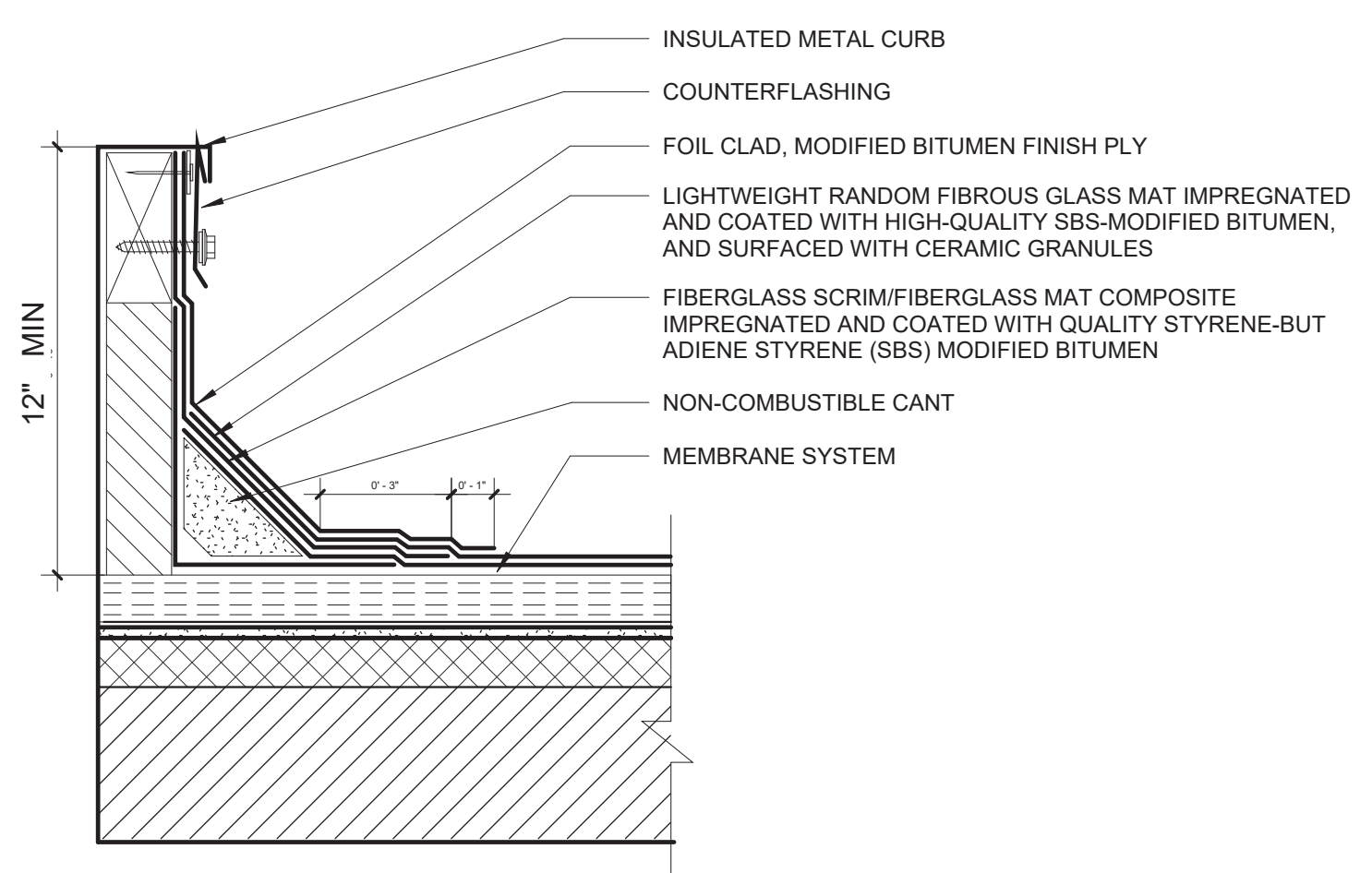
SHEET NO.  
**5DT501**  
 OF



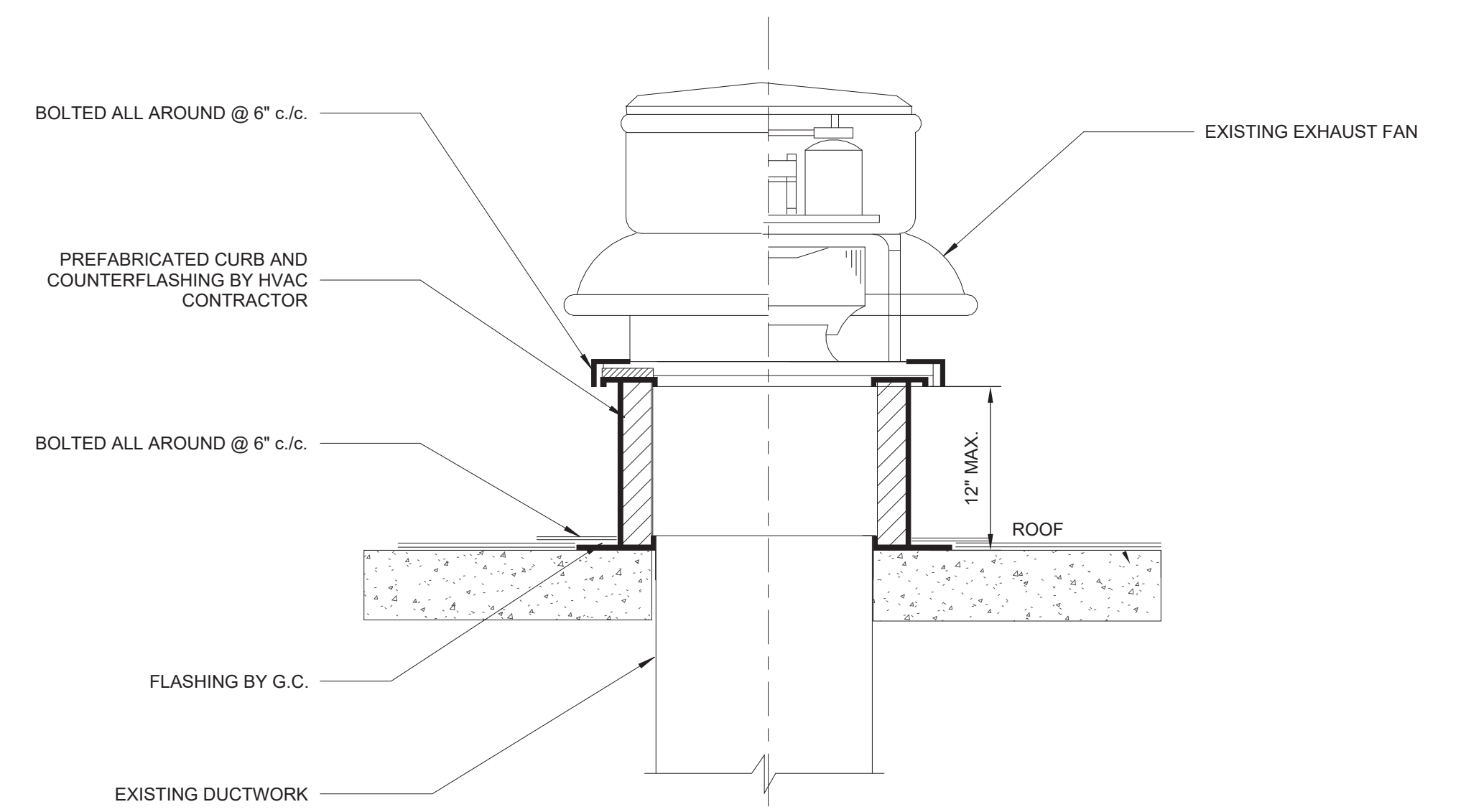
**3 EXHAUST FAN ROOF TIE-DOWN ROOF ANCHOR**  
 N.T.S.



**2 EXHAUST FAN ROOF TIE-DOWN**  
 N.T.S.



**4 FLASHING AT EXHAUST FAN CURB DETAIL**  
 N.T.S.



**1 EXHAUST FAN ROOF CURB DETAIL**  
 N.T.S.

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRINCIPAL PROFESSIONAL: ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD: ANNETTE ALFONSO  
 STAFF ENGINEER: JOHANNA SALCEDO  
 I.C. AUDITOR:   
 PRINCIPAL CAD TECHNICIAN:   
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**PROJECT:**  
**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

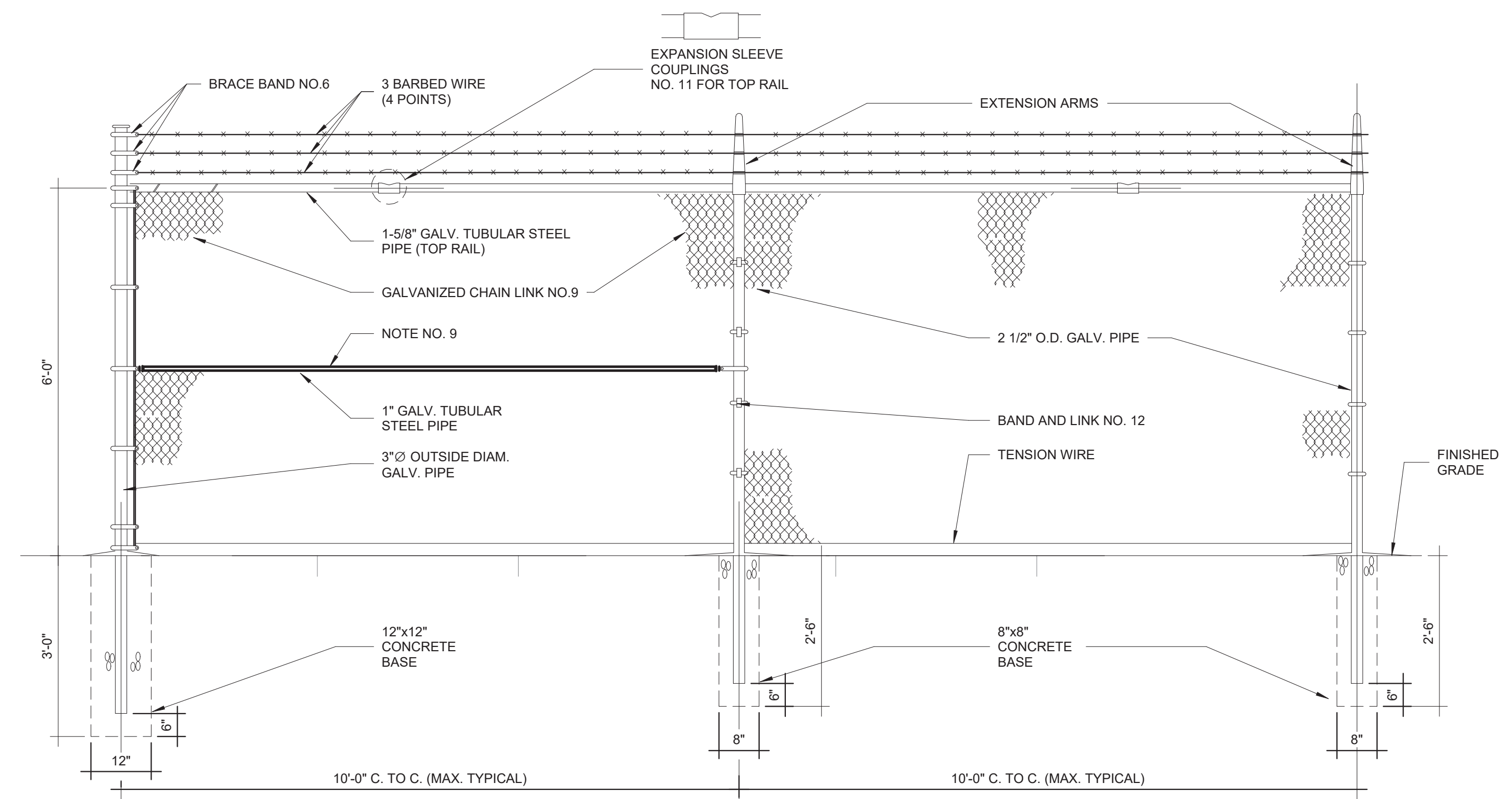
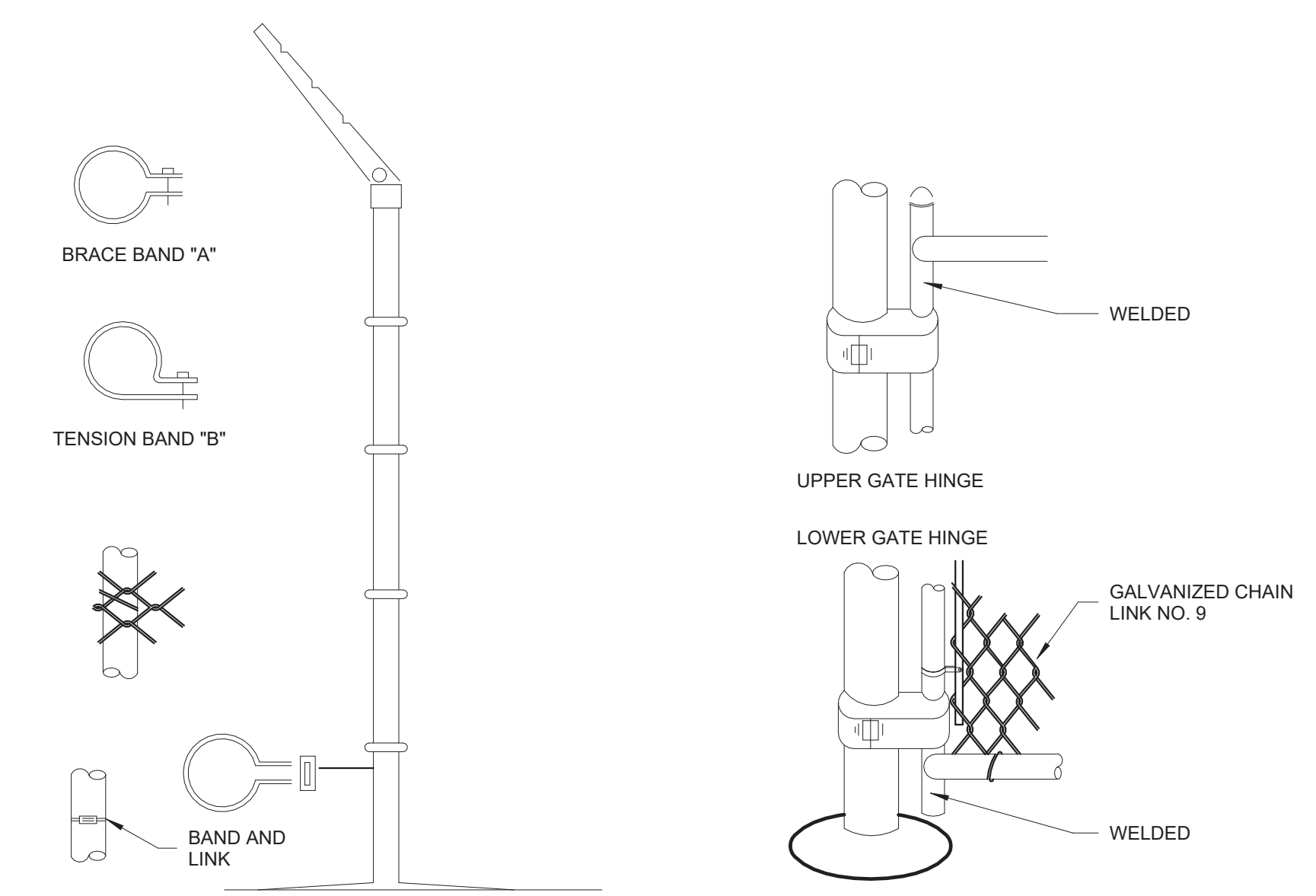
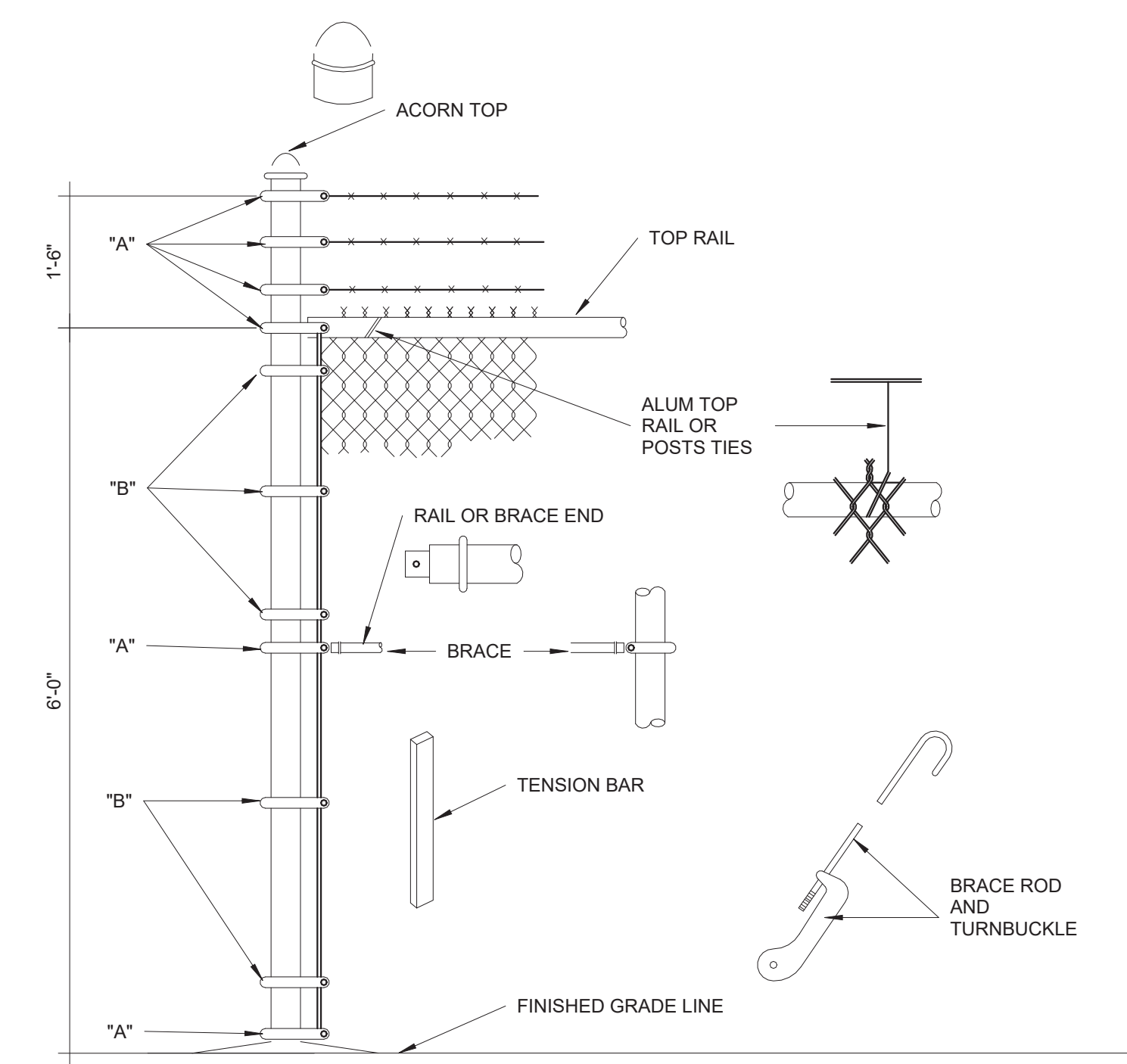
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SCALE: **AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
4/22/2024 3:28:52 PM	21-0258-02
DRAWING / MODEL LOCATION:	BIM FILE NAME:

SHEET NO. **5DT502**  
OF

- NOTES:**
- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
  - LINE POSTS 2 1/2" O.D. GALV. - STD. WEIGHT PIPE-3.85 LBS. PER LIN. FT.
  - TOP RAIL 1 5/8" O.D. GALV. - STD. WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
  - CORNER POST 3" O.D. GALV. - STD. WEIGHT PIPE - 6.79 LBS. PER LIN. FT.
  - TENSION WIRE GA. NO.7 GALVANIZED
  - GATE POST 4" O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
  - GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOVEN.
  - STD. WEIGHT PIPE, SCHEDULE 40A. 120
  - TUBULAR STEEL PIPE SHALL BE INSTALLED EVERY 50'-0" PANEL SPAN (SPAN = 10'-0")
  - TUBULAR STEEL PIPE SHALL BE INSTALLED EVERY DIRECTIONS CHANGE IN THE FENCE
  - TUBULAR STEEL PIPE SHALL BE INSTALLED AT EACH FENCE END PANEL.
  - ALL FITTINGS - EXTRA HEAVY DUTY
  - MILL CERTIFICATE SHALL BE SUBMITTED.



**CHAIN LINK FENCE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)**

**CHAIN LINK FENCE WITH BARBED WIRE**  
 1 N.T.S.

1 2 3 4 5

D

C

B

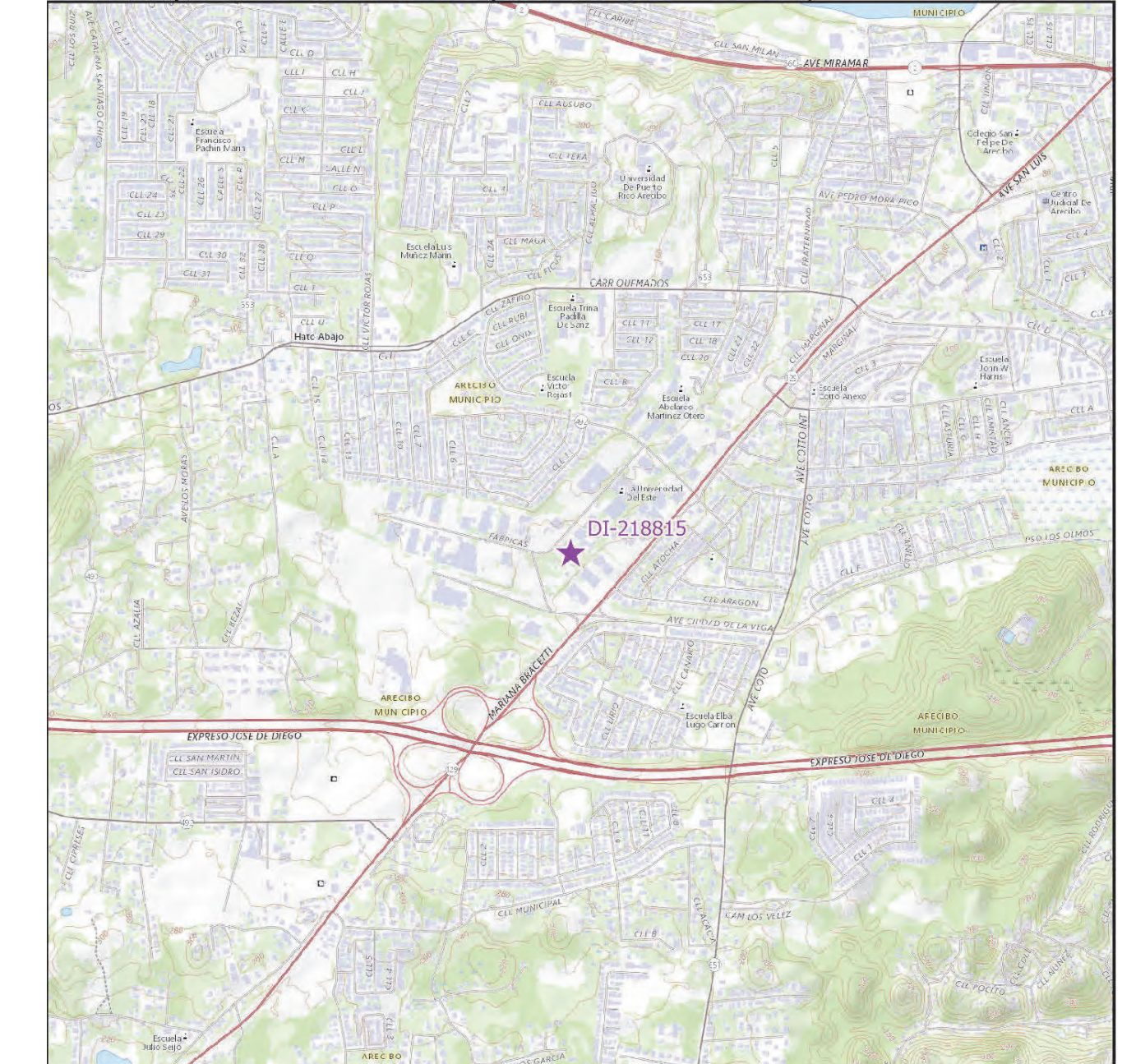
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FLOOD MAP



AERIAL PHOTO  
18.45833, -66.74346



LOCATION MAP  
SCALE 1: 20,000

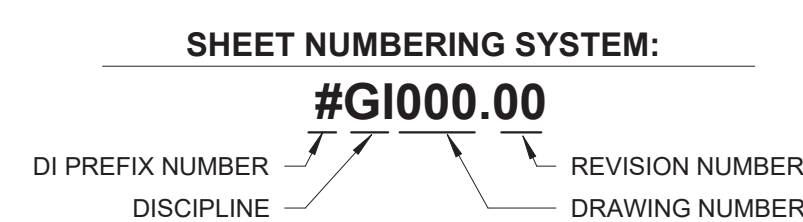
INDEX OF DRAWINGS - PW 8144, DI 218815			
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	6G1001		COVER SHEET - DI 218815
00-GENERAL	6G1002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	6AE101		SITE PLAN BUILDING T093606800 DI 218815
05-DETAILS	6DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	6DT502		DETAILS AND SPECIFICATIONS

# PRIDCO-FEMA 4339 DR PROGRAM NORTH REGION STAGE 1 BID PACKAGE N1-3

6. PW: 8144 | DI: 218815 | Bldg: T093606800

Road PR-128, Km. 40.9, Lot #25, Zeno Gandia Industrial Park, Arecibo, Puerto Rico, 00612

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



DRAWING INFORMATION:	
SHEET TITLE:	
COVER SHEET - DI 218815	
SCALE:	
AS SHOWN	
DELIVERY DATE:	PROJECT NUMBER:
4/22/2024 3:28:53 PM	21-0258-02
DRAWING / MODEL LOCATION:	
SHEET NO. <b>6G1001</b>	



**GENERAL NOTES**

- PERFORM WORK IN ACCORDANCE WITH OSHA RULES AND REGULATIONS. COMPLY WITH THE REQUIREMENTS SET FORTH BY THE PR BUILDING CODE 2018, PR FIRE CODE 2018, PR MECHANICAL CODE 2018, PR PLUMBING CODE 2018, PR EXISTING BUILDING CODE 2018, ICC SUITE CODES 2018, AND WITH OTHER CODES, STANDARDS, AND REGULATIONS CALLED FOR IN SAID CODES.
- COMPLY WITH APPLICABLE RULES AND REGULATIONS FOR OBTAINING NECESSARY AND REQUIRED INSPECTIONS, APPROVALS AND PERMITS NECESSARY TO PERFORM WORK AND SERVICES FOR THE PROJECT. EXECUTE WORK IN ACCORDANCE WITH THE BEST ACCEPTED TRADE PRACTICES, AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, AND IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE NOISE, DUST, OR DISTURBANCE TO OCCUPANTS.
- IMPLEMENT SAFETY CONTROLS DURING DEMOLITION/CONSTRUCTION WORK.
- DAILY REMOVE DEBRIS RESULTING FROM DEMOLITION/CONSTRUCTION AND TRANSPORT IT OUT OF PROJECT LIMITS. PERFORM DISPOSAL OPERATION IN ACCORDANCE WITH GOVERNMENT APPROVALS AND REGULATIONS. SITE AND STRUCTURE SHALL BE LEFT BROOM CLEAN FOR SUBSTANTIAL COMPLETION.
- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN THE FIELD BEFORE PROCEEDING WITH ANY PORTION OF THE WORK. ADVISE IN WRITING TO CONSTRUCTION MANAGER AND ARCHITECT OF DISCREPANCY BETWEEN EXISTING CONDITIONS AND DRAWINGS.
- REPORT TO CONSTRUCTION MANAGER AND ARCHITECT DISCREPANCIES IN THE CONTRACT DRAWINGS, SPECIFICATIONS OR DETAILS PRIOR TO COMMENCING THE WORK.
- COORDINATE CIVIL, MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL REQUIREMENTS FOR PROPER LOCATION AND PROVISIONS OF SLEEVES, INSERTS, OPENINGS AND ROUGH-IN REQUIRED.
- CONDUCT DEMOLITION/CONSTRUCTION OPERATION TO INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS AND OTHER ADJACENT FACILITIES.
- THE USE OF A BRAND NAME AND/OR MODEL NUMBER TO DENOTE PRODUCTS, EQUIPMENTS, MATERIALS, OR PROCESS, IS INTENDED TO ESTABLISH A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION.
- DO NOT COMMENCE ANY DEMOLITION OF SITE ELEMENTS OR STRUCTURE UNTIL THE HAZARDOUS MATERIAL ABATEMENT IS DONE AND EPA CERTIFICATION IS OBTAINED, STATING THAT THE SITE ELEMENTS AND STRUCTURES ARE FREE OF HAZARDOUS MATERIALS. PRIOR TO COMMENCEMENT OF THE HAZARDOUS MATERIAL ABATEMENT THE BUILDING AND SITE SHALL BE VACANT.
- SPECIFIED TREE PRUNING OR CUTTING OR INCIDENTAL TO OTHER REPAIR WORK MAY REQUIRE A DRNA PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT BEFORE PERFORMING THE WORK.

**ARCHITECTURAL NOTES**

- PRESSURE WASH, MINIMUM 3,000 PSI, EXISTING BUILDING EXTERIOR WALLS, WINDOWS, AND DOORS BEFORE BEGINNING SPECIFIED WORK.
- REPAIR INTERIOR AND EXTERIOR WALL SURFACES WITH CEMENT PLASTER PRIOR TO APPLYING PAINT FINISH. REPAIR WORK INCLUDES, BUT IS NOT LIMITED TO CUT AND PATCHING, REMOVAL OF NAILS AND SCREWS FROM WALLS, REPAIR OF MAJOR IMPERFECTIONS ON WALLS AND FINISHES IN GENERAL.
- FULL TEAR-OFF OF ROOF WATERPROOFING SYSTEM INCLUDING MEMBRANE, INSULATION AND FLASHINGS WHERE SYSTEM REPLACEMENT IS SPECIFIED. A ROOF MOISTURE SURVEY MAY BE REQUIRED PRIOR TO INSTALLATION OF NEW MEMBRANE.
- CLEAN, REPAIR AND VERIFY STRUCTURAL INTEGRITY OF ROOF DECK PRIOR TO THE INSTALLATION OF THE WATERPROOFING SYSTEM. COMPLY WITH THE MANUFACTURER RECOMMENDATIONS FOR THE INSTALLATION OF ROOF MEMBRANE TO VALIDATE THE WARRANTY.

**ELECTRICAL GENERAL NOTES**

- NO WIRE SHALL BE SMALLER THAN #12 AWG THHN, 600 VOLTS.
- NO CONDUIT SHALL BE SMALLER THAN 3/4"
- ALL CONDUIT SHALL BE RIGID GALVANIZED EXCEPT OTHERWISE INDICATED.
- ALL WIRE SHALL BE COPPER, INSULATED AS NOTED.
- LEAVE A #12 AWG GALVANIZED FISH WIRE IN ALL EMPTY CONDUITS.
- ALL UNDERGROUND CONDUITS SHALL BE PROTECTED WITH 4" CONCRETE ENVELOPE.
- EXPANSION FITTINGS SHALL BE USED FOR EVERY CONDUIT CROSSING BUILDING EXPANSION JOINTS.
- CONTRACTOR SHALL BALANCE ALL LOADS.
- LEAVE #12 GREEN THW BONDING JUNCTION BETWEEN EACH OUTLET BOX AND RECEPTACLE GROUNDING TERMINAL, USE 3/8" LONG 10-32 GROUNDING SCREW.
- ALL INSTALLATIONS SHALL BE EXPOSED UNLESS OTHERWISE INDICATED.
- EXPOSED CONDUITS SHALL BE SUPPORTED BY MEANS OF ONE BOLT CLAMP SPACED NOT FURTHER THAN 7'-6" APART.
- AN EXPOSED WORK CONDUIT SHALL BE USED FOR ALL 90 BENDS.
- ALL NON-GALVANIZED METAL PARTS SHALL BE GIVEN ONE COAT OF RED OXIDE AND TWO COATS OF METALLIC GRAY PRIOR TO INSTALLATION.
- ALL GALVANIZED RIGID CONDUITS FOR TOGGLE SWITCHES AND RECEPTACLES LOCATED AT DOORWAYS AND LEAN - TO SHALL BE CONCEALED WITHIN ROOF SLAB, WALLS AND OVERHANGS.
- CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO TEST ALL ELECTRICAL SYSTEM IN PRESENCE OF THE REPRESENTATIVE FROM THE MECHANICAL AND ELECTRICAL DEPARTMENT.
- ALL LIGHTING CIRCUITS SHALL HAVE ONE (1) PORCELAIN LIGHT SOCKET WITH A LED TYPE BULB, EQUIVALENT TO 100W INCANDESCENT LUMENS.
- SWITCHES AND RECEPTACLES SHALL BE INSTALLED 4'-0" A.F.F.
- THE NEUTRAL WIRES SHALL BE IDENTIFIED THROUGHOUT THE INSTALLATION BY THE USE OF WHITE COLOR COVERED LIVE WIRES WITHIN THE SAME CONDUIT SHALL BE COLOR CODED AS PER N.E.C.
- RECEPTACLES AND LIGHTING CIRCUITS SHALL BE #12 THHN WIRE AND SHALL BE CONNECTED TO 20 AMP BREAKERS AT THE PANELBOARD.
- ALL OVERHANGS AND LEAN - TO'S SHALL BE PROVIDED WITH LIGHT SOCKETS.
- CONTRACTOR SHALL VERIFY LENGTH OF FEEDERS IN THE FIELD BEFORE SUBMITTING BIDS.
- ALL SWITCHES AND RECEPTACLES THAT ARE CONCEALED IN WALLS AND OVERHANGS SHALL BE PROVIDED WITH STAINLESS STEEL COVERS.
- CONTRACTOR SHALL CONTACT ELECTRICAL ENGINEER OF LUMA PRIOR TO THE BEGINNING OF THE WORK AND COORDINATE WITH THEM FOR THE EXECUTION OF THE WORK CONCERNING THE SERVICE ENTRANCE AND SUBSTITUTION IF REQUIRED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF INSPECTION AT THE COMPLETION OF THE WORK AND SHALL FORWARD IT TO THE PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE N.E.C. AND LUMA.
- ALL BOXES FOR RECEPTACLES AND LIGHTING SWITCHES FOR EXPOSED INSTALLATION SHALL BE "FS" TYPE.
- CONTRACTOR SHALL SUBMIT A LIST OF MATERIALS AND EQUIPMENT GIVING MANUFACTURER CATALOG NUMBERS AND COMPLETE SPECIFICATIONS AND DRAWINGS FOR APPROVAL OF P.R.I.D.C.O. PRIOR TO THE PURCHASING OF SAID MATERIALS AND/OR EQUIPMENT.

**PLUMBING GENERAL NOTES:**

- PLUMBING SHALL BE IN STRICT ACCORDANCE WITH THE 2018 PUERTO RICO BUILDING CODE.
- FURNISH AND SET IN PLACE BEFORE CONCRETE POURING ALL NECESSARY SLEEVES FOR WASTE OR SOIL, VENT, HOT, AND COLD WATER LINES, THESE SLEEVES SHALL BE AS SPECIFIED OR REQUIRED BY THE ARCHITECT.
- THE PLUMBING DRAWING IS GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. RUN ALL PIPING CONCEALED WHEREVER POSSIBLE UNLESS OTHERWISE NOTED.
- SIZES SHOWN IN FIXTURE SCHEDULE ARE MINIMUM AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODE REQUIREMENTS OR AS SHOWN ON DRAWINGS.
- BEFORE CONSTRUCTION VERIFY EXISTING ELEVATIONS AGAINST PROPOSED SLOPES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- CLEANOUT SHALL BE OF SAME SIZE AS THE PIPES TO WHICH THEY ARE CONNECTED UP TO 4", FOR LARGE PIPES; CLEANOUT SHALL BE 4".
- UNLESS OTHERWISE INDICATED, ALL DRAINAGE PIPING 3" AND SMALLER SHALL BE SLOPED 1/4" PER FT., LARGER PIPES SHALL BE SLOPED 1/8" PER FOOT.
- CLEANOUT SHALL BE NOT MORE THAN 50 FEET APART IN HORIZONTAL DRAINAGE LINES OF 4" NOMINAL DIAMETER OR LESS AND NOT MORE THAN 100 FEET APART FOR LARGER PIPES.
- FOR FIXTURES AND EQUIPMENT NOT LISTED IN SCHEDULE, SEE CONTRACT SPECIFICATIONS.
- DETERMINE EXACT LOCATION OF THE PIPING TO AVOID ANY INTERFERENCE WITH PIPING AND/OR EQUIPMENT BEING INSTALLED BY ANOTHER SUB-CONTRACTOR.
- SANITARY TEES (SINGLE AND DOUBLE) AND QUARTER BENDS SHALL BE ACCEPTABLE ONLY FOR CHANGES OF DIRECTION FROM HORIZONTAL TO VERTICAL.
- USE LONG SWEEPING FITTINGS AND/OR LONG SWEEP BENDS AT BASE OF ALL STACKS.
- PROVIDE ROUGHING-IN AND INSTALL ALL PLUMBING FIXTURES AND/OR EQUIPMENT WHICH ARE SUPPLIED BY OTHERS.
- FOR ALL UNDERGROUND SANITARY AND STORM DRAINAGE USE: PVC POLYVINYL CHLORIDE SEWER PIPE AND FITTING: ASTM D 3034, SDR-35, FOR SOLVENT CEMENT OR ELASTOMERIC GASKET JOINTS. A. SOLVENT CEMENT: ASTM D 2564 B. GASKETS: ASTM F 477, ELASTOMERIC SEAL.
- PROVIDE ALL PIPE OPENINGS THROUGH SLABS WITH SLEEVES HAVING AN INTERNAL DIAMETER AT LEAST 1" LARGER THAN THE OUTSIDE DIAMETER OF UN-INSULATED PIPES OR OF THE INSULATION FOR INSULATION SERVICES. FLOOR SLEEVES ARE TO PROJECT 2" ABOVE FINISHED FLOORS.
- SLEEVES SHALL BE SCHEDULES 40 GALVANIZED STEEL PIPE.
- BOTTOM OF THE WATER SERVICES LINE SHALL BE 12 INCHES ABOVE THE HIGHEST POINT OF THE SEWER LINE WHENEVER THE HORIZONTAL DISTANCE BETWEEN THEM IS LESS THAN 5 FT.
- PROVIDE DOWNSPOUT NOZZLES (SIMILAR TO JAY R. SMITH FIG 1770) AT THE OVERFLOW RAIN WATER OUTLETS, AT FIRST LEVEL.
- CONTRACTOR SHALL SUPPLY AND INSTALL 1/4 TURN SHUT OFF VALVES AT EVERY PLUMBING FIXTURE.
- ALL PLUMBING FIXTURES, COLORS AND FINISHES, SELECTION BY ARCHITECT.

**HVAC GENERAL NOTES:**

- SUPPLY AND INSTALL ALL ELECTRICAL CONTROLS, SAFETY SWITCHES AND ACCESSORIES NOT INDICATED IN THE ELECTRICAL DRAWING AND NECESSARY FOR THE PROPER OPERATION OF THE EQUIPMENT IN ACCORDANCE WITH THE MECHANICAL EQUIPMENT RECOMMENDATIONS AND THE NATIONAL ELECTRIC CODE.
- PERFORM ALL WIRING AND CONNECTION (POWER AND CONTROL) NOT INDICATED IN THE ELECTRICAL DRAWINGS AND NECESSARY FOR THE PROPER OPERATION OF THE MECHANICAL EQUIPMENT IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- TAKE EVERY PRECAUTION IN ORDER TO MINIMIZE OR ELIMINATE THE TRANSMISSION OF NOISE OR VIBRATION FROM THE EQUIPMENT, PIPING SYSTEM OR DUCT SYSTEM TO THE CONDITIONING SPACE.
- EQUIPMENT, MATERIALS AND ACCESSORIES SHALL BE SIMILAR TO THE INDICATED SPECIFICATION AND/OR MANUFACTURER MODEL OR CATALOG NUMBER.
- UNLESS OTHERWISE NOTED IN DRAWINGS AND/OR SPECIFICATIONS ALL EQUIPMENT AND ACCESSORIES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

**CIVIL SITE GENERAL NOTES**

- ALL DISTANCES AND ELEVATIONS ARE EXPRESSED IN METERS UNLESS OTHERWISE SPECIFIED.
- ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL.
- COORDINATES ARE BASED ON THE LAMBERT PROJECTION FOR PUERTO RICO AND THE US VIRGIN ISLAND AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83 NA2011) EPOCH 2010.00 ADJUSTED IN METERS.
- THE CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER BEFORE CUTTING OR TRIMMING EXISTING TREES AFFECTED BY THE CONSTRUCTION.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR EACH PROJECT AREA, THE CONTROL OF EROSION AND SEDIMENTATION (CES) PLAN FOR APPROVAL, BY THE PERTINENT AGENCY AND THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS. THE DEWATERING PLAN SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR APPROVAL AND COORDINATION.
- DEWATERING PLANS SHALL INCLUDE CONTROL OF EROSION AND SEDIMENTATION FOR EACH PROJECT PHASE AND/OR WORK AREA. THE WATER FROM THE DEWATERING SYSTEM SHALL BE FREE OF SEDIMENT AND/OR DEBRIS BEFORE ANY DISPOSAL.
- THE CONTRACTOR SHALL MAINTAIN THE DEWATERING SYSTEM UNTIL DEWATERING IS NO LONGER REQUIRED.
- ELECTRICAL, COMMUNICATION, SANITARY AND POTABLE WATER SERVICE SHALL NOT BE INTERRUPTED DURING CONSTRUCTION. IF NECESSARY, A PROVISIONAL TEMPORARY SERVICE AND/OR BY-PASS SHALL BE INSTALLED TO MAINTAIN SERVICE. PROVISIONAL TEMPORARY SERVICE AND/OR BY-PASS SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR APPROVAL AND COORDINATION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT THE MAINTENANCE OF SERVICE PLAN FOR ELECTRICAL, SANITARY AND POTABLE WATER FOR APPROVAL OF THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY ELEMENT SUSPECTED OF CONTAINING HAZARDOUS MATERIAL IS ENCOUNTERED, PRIOR TO ANY RELATED WORK ACTIVITY.
- THE CONTRACTOR SHALL VISIT THE PROJECT AREA TO VERIFY THE SPACE LIMITATIONS FOR CONSTRUCTION PROCESS AND EQUIPMENT. THE CONTRACT PRICE SHALL CONSIDER THE REQUIRED CONSTRUCTION PROCESS AND/OR EQUIPMENTS.
- PRIOR TO COMMENCEMENT OF THE WORK, CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT PROJECT SITE AND SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONTRACT DOCUMENTS THAT COULD AFFECT CONSTRUCTION WORK SCHEDULE AND/OR PERFORMANCE.
- ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING FACILITIES DAMAGED DURING CONSTRUCTION PRIOR TO SUBSTANTIAL COMPLETION.
- THE CONTRACTOR SHALL MAINTAIN IN OPERATION EXISTING FACILITIES UNTIL NEW FACILITIES ARE IN OPERATION.

**GENERAL STRUCTURAL NOTES**

**STRUCTURAL BUILDING AND DESIGN CODES:**

- PUERTO RICO BUILDING CODE 2018 AND ITS BINDING REFERENCED STANDARDS, INCLUDING BUT NOT LIMITED TO:
  - THE INTERNATIONAL BUILDING CODE 2018
  - AMERICAN INSTITUTE FOR STEEL CONSTRUCTION (AISC), STEEL CONSTRUCTION MANUAL, 15<sup>TH</sup> EDITION
  - AMERICAN CONCRETE INSTITUTE (ACI), BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14.
  - AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES, ASCE/SEI 7-16

**STRUCTURAL NOTES ON CONCRETE REPAIR:**

- ALL CONCRETE REPAIR WORKS SHALL BE PERFORMED FOLLOWING THE GUIDELINES OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI), HIRING A PROFESSIONAL EXPERIENCED IN THIS TYPE OF REPAIR IS RECOMMENDED TO ENSURE A PROPER REPAIR.
- FOR THE REPAIR OF AREAS AFFECTED BY CORROSION, ICRI NO. 03730 GUIDELINE FOR SURFACE PREPARATION FOR THE REPAIR OF DETERIORATED CONCRETE RESULTING FROM REINFORCING STEEL CORROSION SHOULD BE FOLLOWED.
- BEFORE COMMENCING ANY CONCRETE REPAIR WORK, THE CONTRACTOR SHALL REVIEW THE REPAIR DETAILS PRESENTED IN THE DRAWINGS. IN CASE OF DOUBT WITH THE REPAIR DETAILS PRESENTED, THE CONTRACTOR SHOULD CONTACT THE ARCHITECT OR ENGINEER OF RECORD TO CLARIFY THEM.
- IT IS IMPORTANT TO FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR EACH PRODUCT UTILIZED FOR THIS JOB, IN ORDER TO GUARANTEE THAT THE REPAIR WORKS ARE CARRIED OUT ADEQUATELY.

**STRUCTURAL NOTES ON CAST-IN-PLACE CONCRETE:**

- PORTLAND CEMENT SHALL BE TYPE II.
- ALL CONCRETE SHALL BE OF REGULAR WEIGHT (145 POUNDS PER CUBIC FOOT).
- THE FOLLOWING CONCRETE MIX PARAMETERS SHALL BE USED UNLESS OTHERWISE NOTED:
   
CONCRETE STRENGTH AT 28 DAYS – 3,000 PSI
   
MAX. WATER/CEMENT RATIO – 0.65
   
RECOMMENDED SLUMP – 3 INCHES
   
MAX. AGGREGATE SIZE (ASTM C33) – 1 INCH
- PROVIDE CONCRETE MIXES DESIGNED BY A QUALIFIED TESTING LABORATORY FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER. CONCRETE MIX DESIGN SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER AUTHORIZED TO EXERCISE THE PROFESSION IN THE COMMON WEALTH OF PUERTO RICO.

**NOTE ON REINFORCING STEEL BARS:**

- ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 (FY = 60 KSI).
- MAINTAIN THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL UNLESS NOTED OTHERWISE:
  - CONCRETE CAST AGAINST EARTH: 3 INCHES
  - CONCRETE IN CONTACT WITH THE GROUND: 2 INCHES
  - CONCRETE SLAB AND WALLS WITHOUT CONTACT WITH GROUND: 1 INCHES
  - CONCRETE BEAMS AND COLUMNS: 1 1/2 INCHES

**STRUCTURAL STEEL**

- DESIGN, DETAIL AND ERECT STRUCTURAL STEEL ELEMENTS IN ACCORDANCE WITH THE FOLLOWING:
  - AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
  - AISC MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN.
  - AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
  - AWS STRUCTURAL WELDING CODE, D.1.1.
  - STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
    - W SHAPES: ASTM A992 (FY = 50 KSI, FU = 65 KSI)
    - STEEL ANGLE, CHANNELS, PLATES: ASTM A36
    - BOLTS, NUTS AND WASHERS: HIGH-STRENGTH BOLTS, INCLUDING NUTS AND WASHERS: ASTM A325
    - STEEL PLATES FOR LANDINGS AND THREADS: 1/4" ANTI-SLIP DIAMOND TYPE STEEL PLATE A36
- WELDING ELECTRODE FOR STEEL SHALL BE E70XX.

**METAL DECK**

- PROVIDE DESIGN, FABRICATION, AND ERECTION OF METAL DECK CONFORMING TO THE STEEL DECK INSTITUTE'S "CODE OF RECOMMENDED STANDARD PRACTICE AND BASIC DESIGN SPECIFICATIONS".
- FORM ROOF DECK FROM STEEL SHEETS CONFORMING TO ASTM A 611 GRADE C AND D OR A 653 OR HIGHER SPECIFICATIONS WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
- ATTACH SHEETS TO STEEL SUPPORT MEMBERS AS INDICATED AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. WHEN DECK IS SCHEDULED TO BE EXPOSED, DE-SLAG, CLEAN AND TOUCH UP WELDS WITH A ZINC-RICH PRIMER.
- LAP ROOF AND FLOOR DECK ENDS MINIMUM OF 2 INCHES. WHEN FASTENING DECK TO SUPPORT MEMBERS PROVIDE WELDING WELDS. PROVIDE INSTALLATION PROCEDURES TO PREVENT BURNING OF HOLES IN DECK.
- AT ENDS OF DECKS OR WHERE CHANGES OF DECK DIRECTION OCCUR, FASTEN TO SUPPORTS AT EACH FLUTE. PROVIDE ADEQUATE CLOSURES AND FASTENERS TO SIDES AT EIGHTEEN INCHES ON CENTER.
- WHERE PARTIAL PANELS MAY BE REQUIRED TO COMPLETE DECK INSTALLATION AT PERIMETER OF STRUCTURE, PROVIDE WELDS IN EACH FLUTE TO STRUCTURAL MEMBERS. INSTALL DECK IN THREE CONTINUOUS SPAN LENGTHS.
- AT PERIMETER OF DECK, SECURE DECK TO STRUCTURAL MEMBERS WITH SAME ATTACHMENT AND SPACING SUPPORT ATTACHMENT AS INDICATED ON PLANS.
- HOT DIP GALVANIZED (G90) AFTER FABRICATION ALL METAL DECK AND TOUCH UP CONNECTIONS WITH A ZINC-RICH PRIMER.

**NOTES (IF APPLICABLE):**

**TREE REMOVAL:**

- REMOVE ALL TREES INDICATED BY THE DRAWINGS AND SPECIFICATIONS, AS REQUIRING REMOVAL, IN A MANNER THAT WILL NOT DAMAGE ADJACENT TREES OR STRUCTURES OR COMPACTS THE SOIL.
- REMOVE TREES THAT ARE ADJACENT TO TREES OR STRUCTURES TO REMAIN, IN SECTIONS, TO LIMIT THE OPPORTUNITY OF DAMAGE TO ADJACENT CROWN, TRUNKS, GROUND PLANE ELEMENTS AND STRUCTURES.
- DO NOT DROP TREES WITH A SINGLE CUT UNLESS THE TREE WILL FALL IN AN AREA NOT INCLUDED IN THE TREE AND PLANT PROTECTION AREA. NO TREE TO BE REMOVED WITHIN 50 FEET OF THE TREE AND PLANT PROTECTION AREA SHALL BE PUSHED OVER OR UP-ROOTED USING A PIECE OF GRADING EQUIPMENT.
- PROTECT ADJACENT PAVING, SOIL, TREES, SHRUBS, GROUND COVER PLANTINGS AND UNDERSTORY PLANTS TO REMAIN FROM DAMAGE DURING ALL TREE REMOVAL OPERATIONS, AND FROM CONSTRUCTION OPERATIONS. PROTECTION SHALL INCLUDE THE ROOT SYSTEM, TRUNK, LIMBS, AND CROWN FROM BREAKAGE OR SCARRING, AND THE SOIL FROM COMPACTION.
- REMOVE STUMPS AND IMMEDIATE ROOT PLATE FROM EXISTING TREES TO BE REMOVED. GRIND TRUNK BASES AND LARGE BUTTRESS ROOTS TO A DEPTH OF THE LARGEST BUTTRESS ROOT OR AT LEAST 18 INCHES BELOW THE TOP MOST ROOTS WHICH EVER IS LESS AND OVER THE AREA OF THREE TIMES THE DIAMETER OF THE TRUNK (DBH).
- FOR TREES WHERE THE STUMP WILL FALL UNDER NEW PAVED AREAS, GRIND ROOTS TO A TOTAL DEPTH OF 18 INCHES BELOW THE EXISTING GRADE. IF THE SIDES OF THE STUMP HOLE STILL HAVE GREATER THAN APPROXIMATELY 20% WOOD VISIBLE, CONTINUE GRINDING OPERATION DEEPER AND OR WIDER UNTIL THE RESULTING HOLE HAS LESS THAN 20% WOOD. REMOVE ALL WOOD CHIPS PRODUCED BY THE GRINDING OPERATION AND BACK FILL IN 8 INCH LAYERS WITH CONTROLLED FILL OF A QUALITY ACCEPTABLE TO THE SITE ENGINEER FOR FILL MATERIAL UNDER STRUCTURES, COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR. THE OWNER'S REPRESENTATIVE SHALL APPROVE EACH HOLE AT THE END OF THE GRINDING OPERATION.
- IN AREAS WHERE THE TREE LOCATION IS TO BE A PLANTING BED OR LAWN, REMOVE ALL WOODCHIPS AND BACKFILL STUMP HOLES WITH PLANTING SOIL AS DEFINED IN SPECIFICATION SECTION PLANTING SOIL, IN MAXIMUM OF 12 INCH LAYERS AND COMPACT TO 80 - 85% OF THE MAXIMUM DRY DENSITY STANDARD PROCTOR.

**PRUNING:**

- WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.
- IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT.
- PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS.
  - WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.
  - PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.
  - STREETS AND DRIVES - WITHIN 14 FEET VERTICALLY OF THE PROPOSED DRIVING SURFACE ELEVATION.
- ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI A300 (PART 1), ISA BMP TREE PRUNING (LATEST EDITION, AND THE "STRUCTURAL PRUNING: A GUIDE FOR THE GREEN INDUSTRY", EDWARD GILMAN, BRIAN KEMPF, NELDA MATHENY AND JIM CLARK, 2013 URBAN TREE FOUNDATION, VISALIA CA.
- PERFORM OTHER PRUNING TASK AS INDICATED ON THE DRAWINGS OR REQUESTED BY THE OWNER'S REPRESENTATIVE.
- WHERE TREE SPECIFIC DISEASE VECTORS REQUIRE, STERILIZE ALL PRUNING TOOLS BETWEEN THE WORK IN INDIVIDUAL TREES.

**GENERAL DRAWING SYMBOLS:**

**ABBREVIATIONS:**

A.F.F.	ABOVE FINISHED FLOOR
AC	AIR CONDITIONING
AL	ALUMINUM
BDT	BOTTOM
CC	CENTER TO CENTER
C.M.U.	CONCRETE MASONRY UNIT
CORNR.	CORNER
CORRN.	CORROSION
EL	ELEVATION
EQUIL	EQUAL
F.D.	FLOOR DRAIN
F.F.E.	FINISH FLOOR ELEVATIONS
F.F.L	FINISH FLOOR LEVEL
FIN.	FINISHED
HDW.	HARDWARE
HGT.	HEIGHT
INT.	INTERIOR
J.C.	JANITOR CLOSET
MAS.	MASONRY
MECH.	MECHANICAL
MIN.	MINIMUM
MNTD.	MOUNTED
N.I.C.	NOT IN CONTRACT
N/A	NOT APPLICABLE
O.C.	ON CENTER
OPNG.	OPENING
R	RADIUS
R.D.	ROOF DRAIN
RM	ROOM
REQD.	REQUIRED
REV.	REVISION
S.C.P.	SMOOTH GEMENT PLASTER
S.S.	STAINLESS STEEL
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
TEL.	TELEPHONE
THK.	THICK
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
D.M.H.	DROP MANHOLE
MH	MANHOLE
V.I.F.	VERIFY IN FIELD

**DISCIPLINE INFORMATION:**

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 C.C. AUDITOR: [blank]  
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**PROFESSIONAL STATEMENT:**

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE: [blank]

**GENERAL NOTES, ABBREVIATIONS AND LEGEND**

SCALE: [blank]

**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
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SHEET NO. **6GI002**  
OF [blank]

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**FOR:**

**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**

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OF [blank]

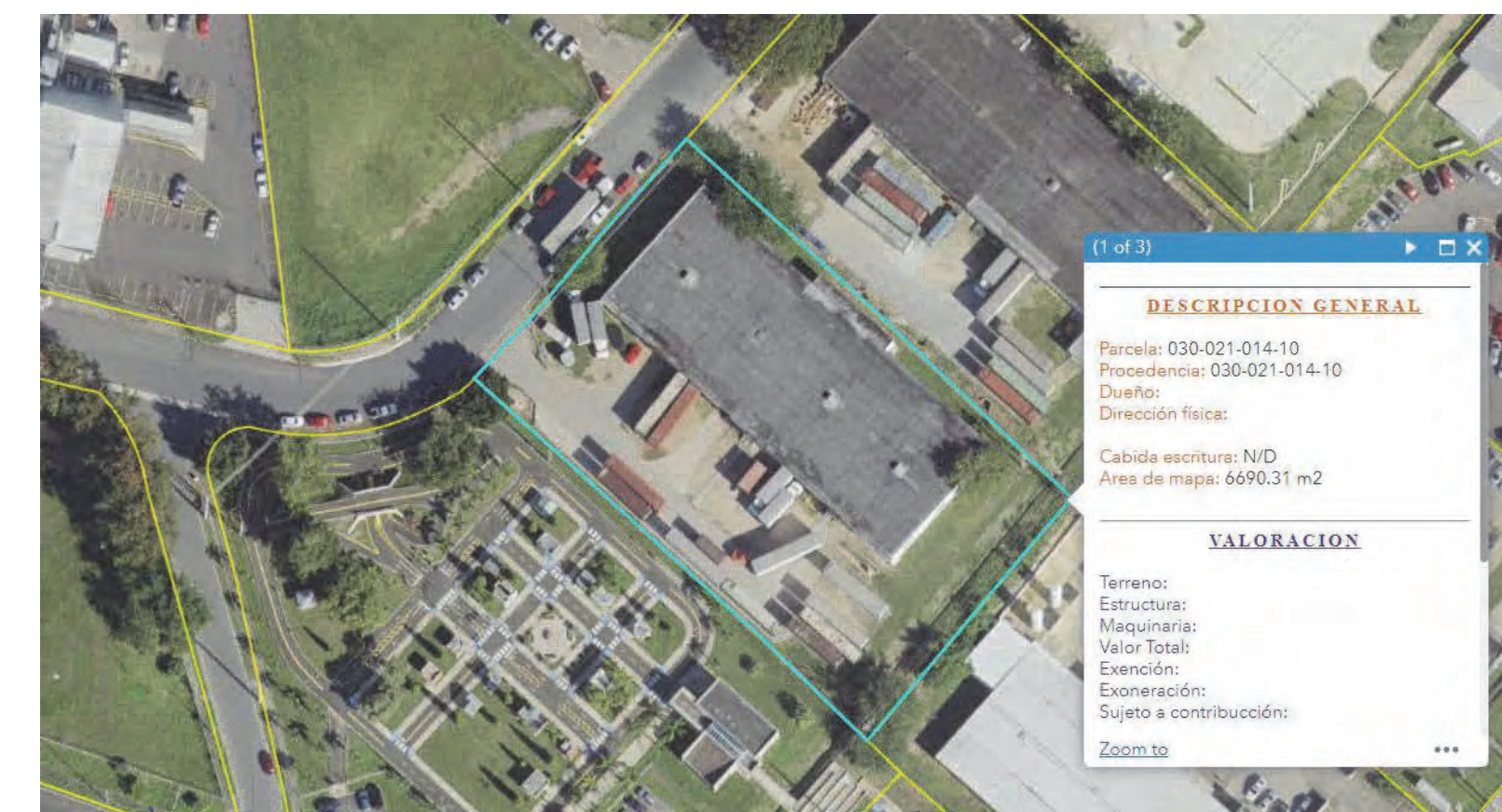


**2** SITE PLAN DI 218815  
1" = 30'-0"

CONSTRUCTION KEY NOTES SCHEDULE DI 218815							
#ID	TYPE OF DAMAGE	DESCRIPTION	DIMENSION	QUANTITY	DETAIL	TECHNICAL SPECIFICATIONS	PHOTO
1	PA - Public Assistance	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	5 FT x 5 FT	1 EA	1/6DT501 4/6DT501	233416	
2	HM - Hazard Mitigation	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	1 EA	2/6DT501 3/6DT501	233416	
3	AD - Additional Damages	Exterior, Roof: Remove and replace exhaust fan (aluminum roof fan extractor cap with gravity self acting back draft damper face-flush install), 36in Fan Size, 1-HP Motor, 115/230V).	5 FT x 5 FT	1 EA	1/6DT501 4/6DT501	233416	
4	AD - Additional Damages	Exterior, Roof: Installation of equipment-anchoring assembly to protect exhaust fans from high wind pressure.	-	1 EA	2/6DT501 3/6DT501	233416	
5	AD - Additional Damages	Exterior, Site: Remove and dispose damaged material, install new chain link fence (Galv. Ga. No. 9, Post- 2 1/2" diam. galv., 3-strands barbed wire (4-point)).	90 LF L x 6 FT H	90 LF	1/6DT502 2/6DT502	323113	

NOTE: SEE GENERAL NOTES, ITEM #7 IN 6GI002

DETAIL NUMBER 1 / DT501  
SHEET WHERE DETAIL RESIDES



**1** KEY PLAN DI 218815  
N.T.S.



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FOR: **PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
PRINCIPAL PROFESSIONAL:  
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PROFESSIONAL OF RECORD:  
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STAFF DESIGNER:  
JOHANNA SALCEDO  
I.C. AUDITOR:

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
NORTH REGION STAGE 1  
BID PACKAGE N1-3  
PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:  
**SITE PLAN BUILDING  
T093606800 DI 218815**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER:
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PRINT DATE & TIME:	BIM FILE NAME:
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OF

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY**  
**PRIDCO**

**ISSUE FOR BID**

**FEBRUARY 21, 2024**

REV	DATE	DESCRIPTION

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 STAFF DESIGNER: JOHANNA SALCEDO  
 G.C. AUDITOR:   
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**PROJECT:**  
**PRIDCO DAMAGE IMPROVEMENTS**  
**NORTH REGION STAGE 1**  
**BID PACKAGE N1-3**  
**PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**  
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**DETAILS AND SPECIFICATIONS**

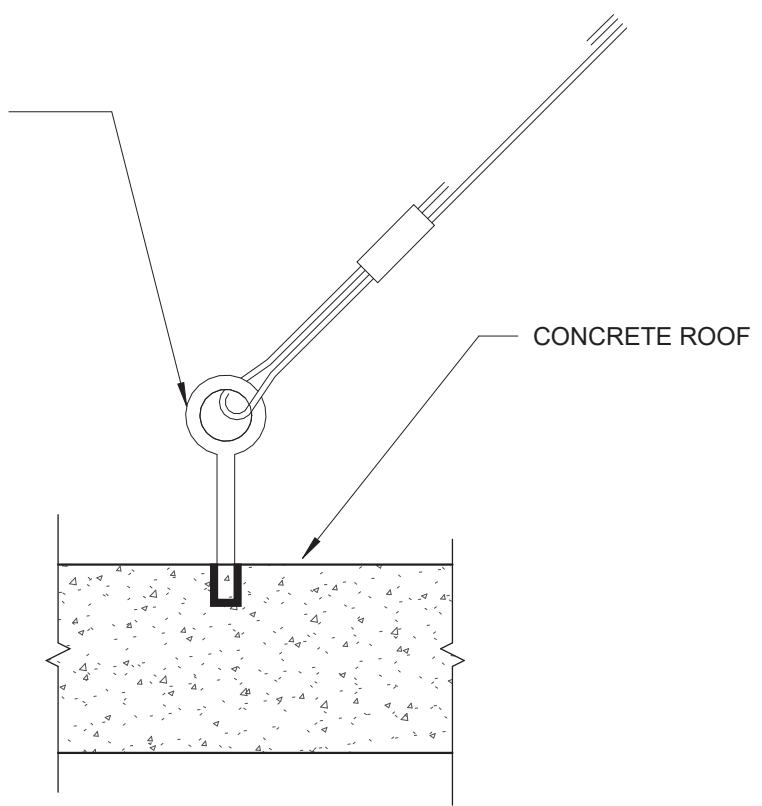
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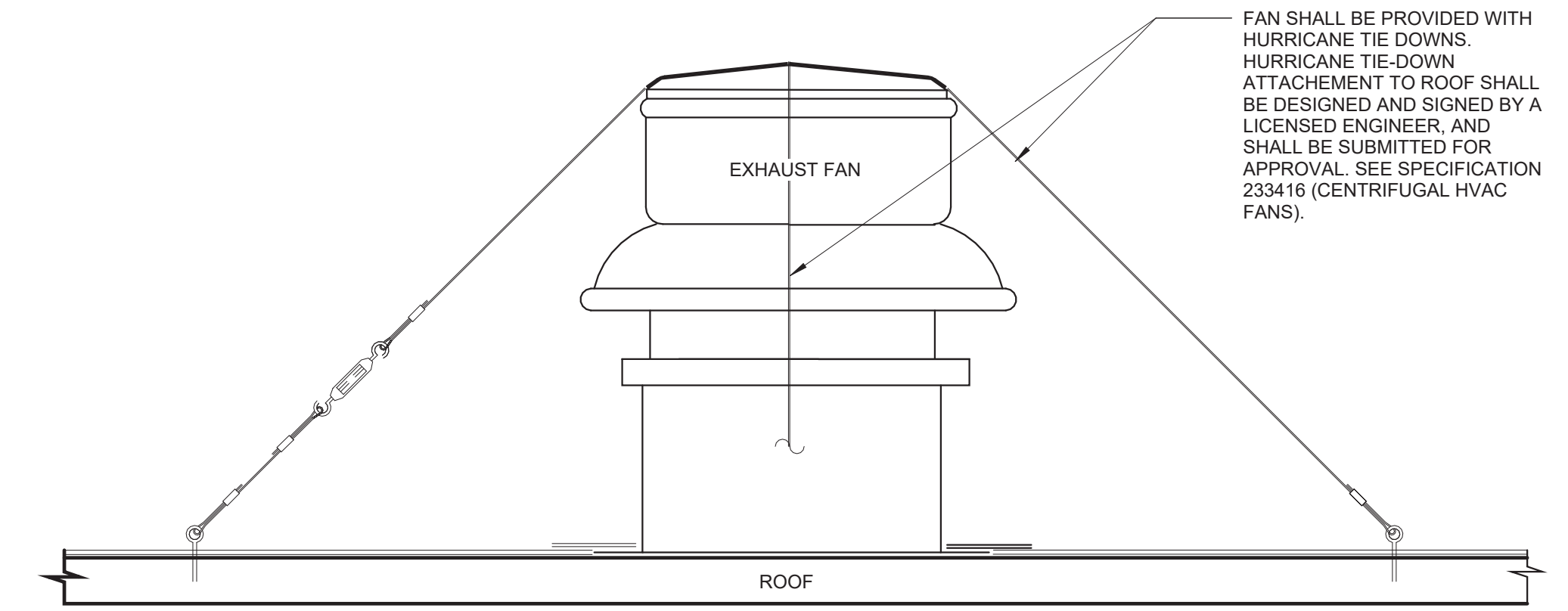
SHEET NO:  
**6DT501**  
 OF

3/8" GALV FORGED EYE BOLT. EYE SHALL BE STRONG ENOUGH TO DEVELOP FULL STRENGTH OF BOLT IN TENSION. BOLT TO BE ASTM A307

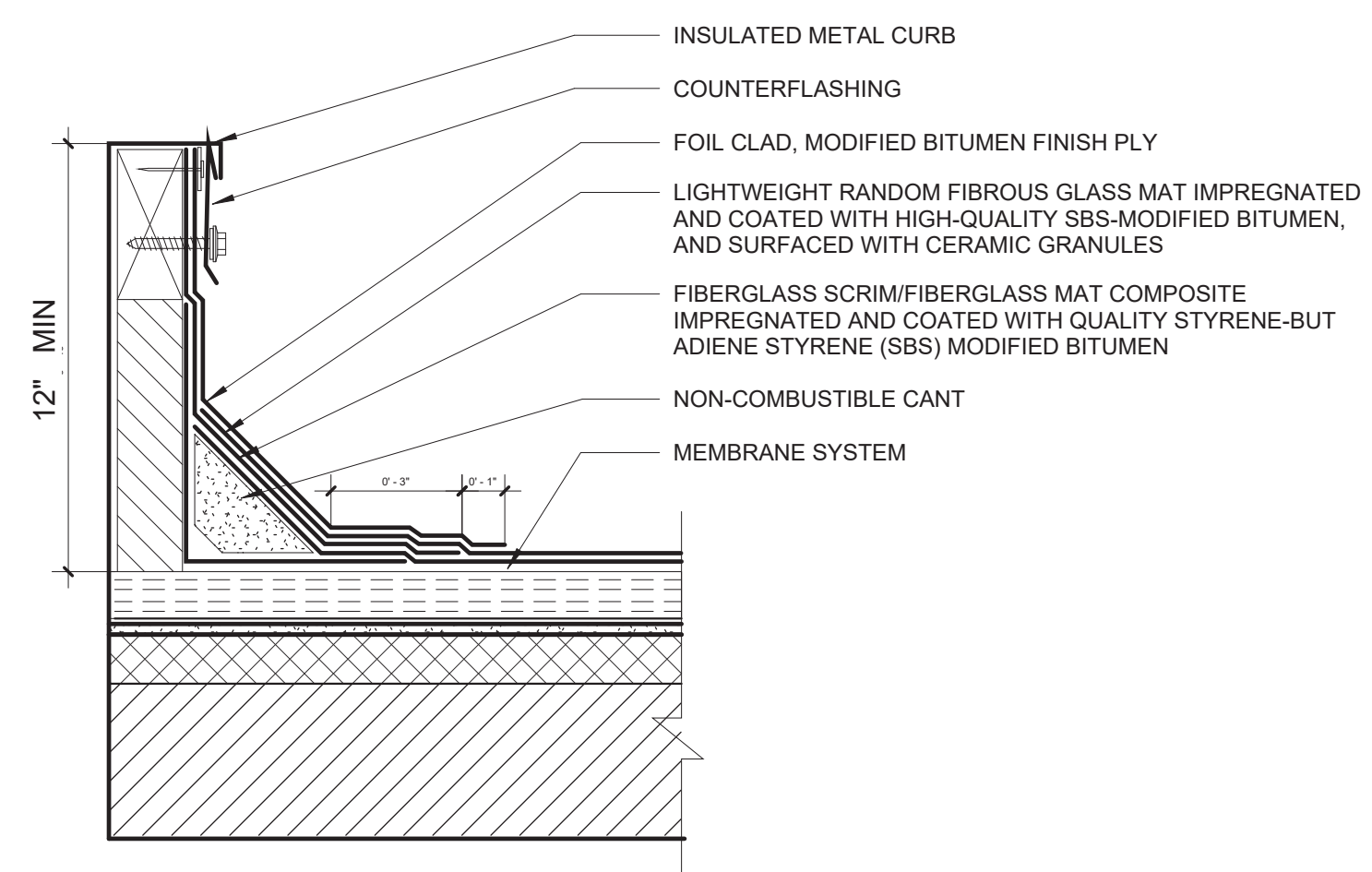
ANCHOR IN TO CONCRETE WITH HLTI HDI- P TZ DROP-IN ANCHOR OR SIMILAR QUANTITY OF ANCHORS SHALL BE DESIGN BASED ON CALCULATED TIE TENSION



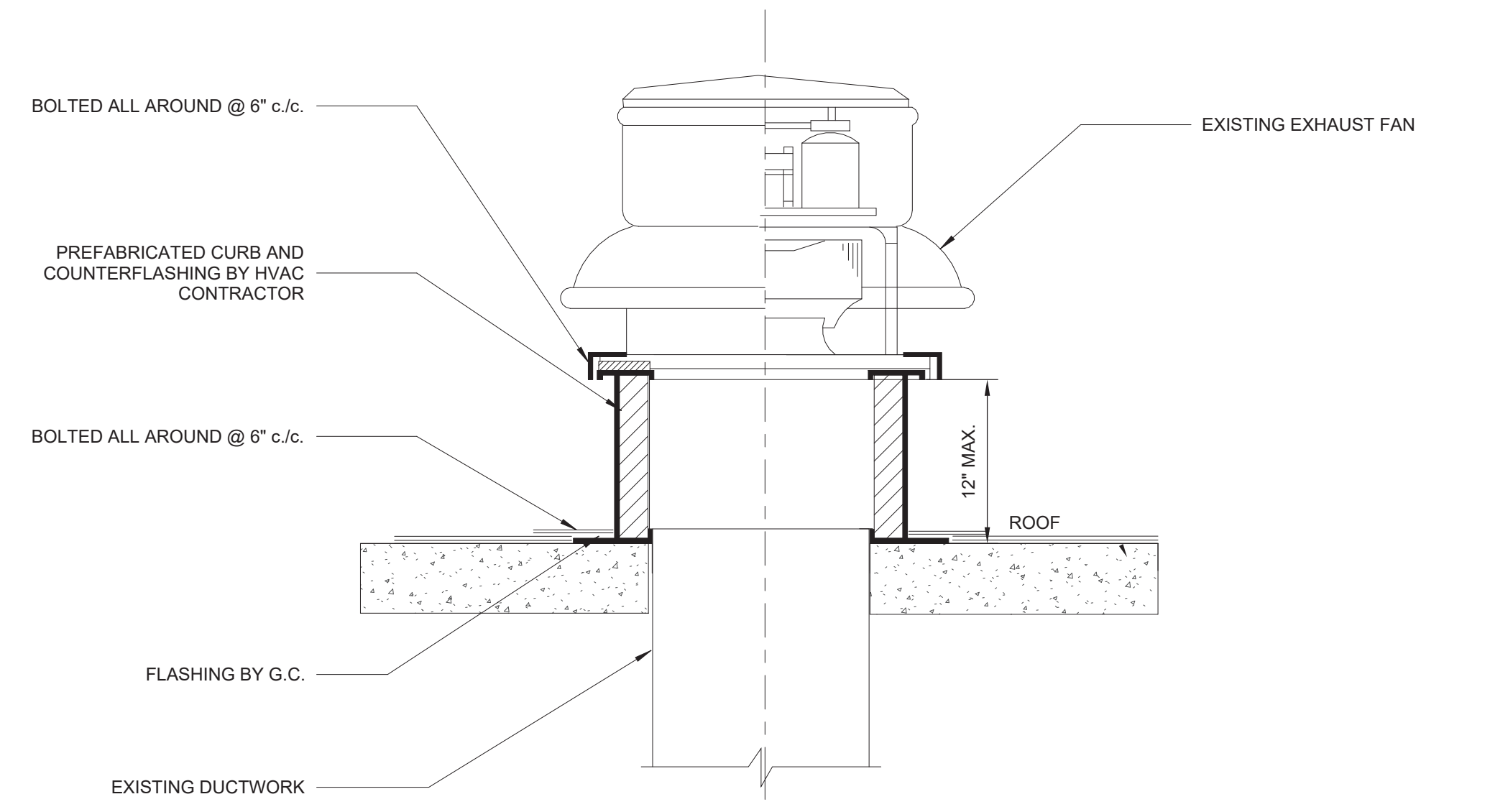
**3 EXHAUST FAN ROOF TIE-DOWN ROOF ANCHOR**  
N.T.S.



**2 EXHAUST FAN ROOF TIE-DOWN**  
N.T.S.



**4 FLASHING AT EXHAUST FAN CURB DETAIL**  
N.T.S.



**1 EXHAUST FAN ROOF CURB DETAIL**  
N.T.S.

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FOR:  
**PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO**

**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
PRIME PROFESSIONAL:  
ANNETTE ALFONSO  
PROFESSIONAL OF RECORD:  
ANNETTE ALFONSO  
STAFF DESIGNER:  
JOHANNA SALCEDO  
I.C. AUDITOR:  
PRINCIPAL CAD TECHNICIAN:

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
NORTH REGION STAGE 1  
BID PACKAGE N1-3  
PW: 8144 / ARECIBO**

**DATE**    **ISSUE DESCRIPTION**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:

**DETAILS AND SPECIFICATIONS**

SCALE:

**AS SHOWN**

DELIVERY DATE:    PROJECT NUMBER:

PRINT DATE & TIME:    BIM FILE NAME:

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DRAWING / MODEL LOCATION:

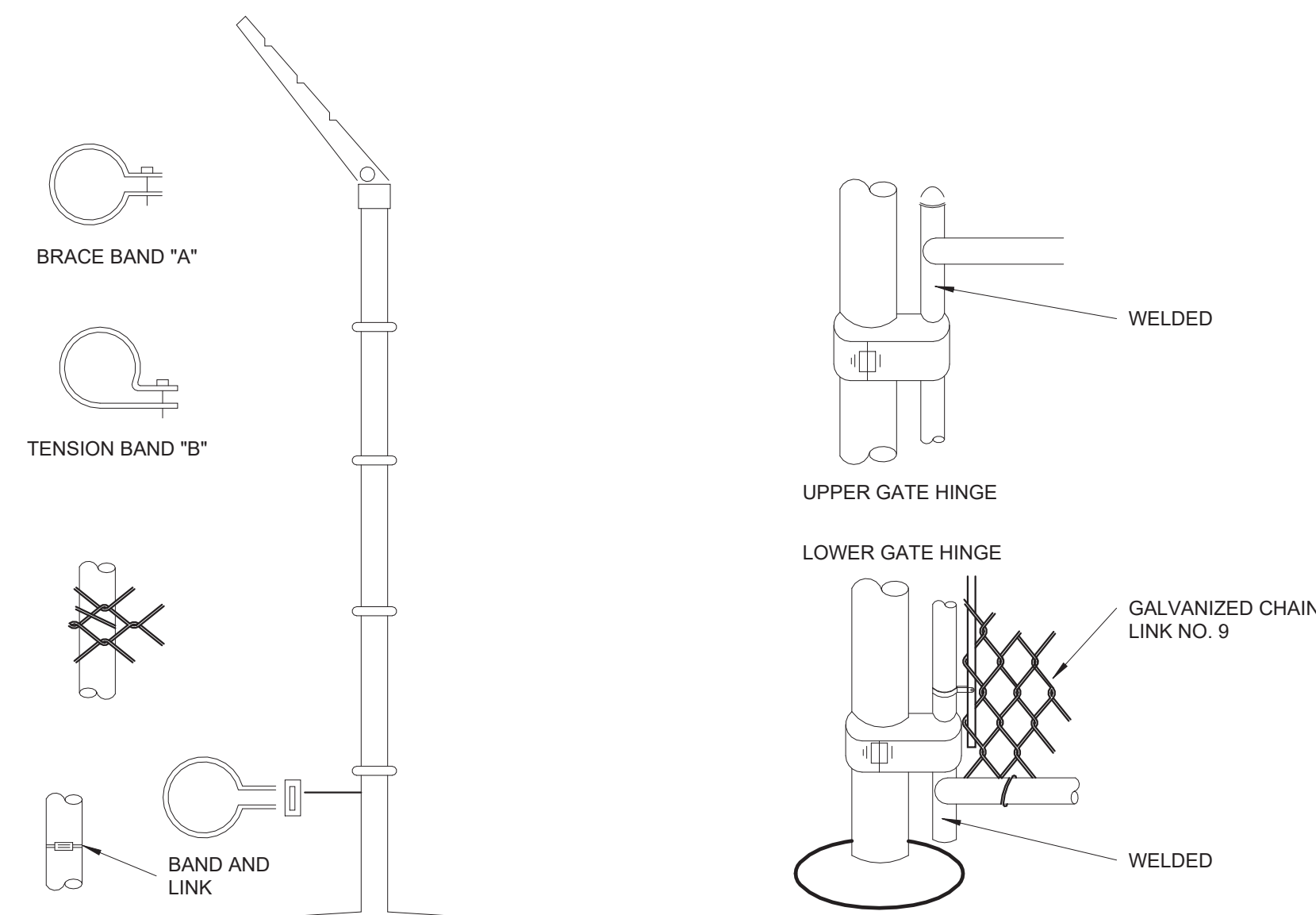
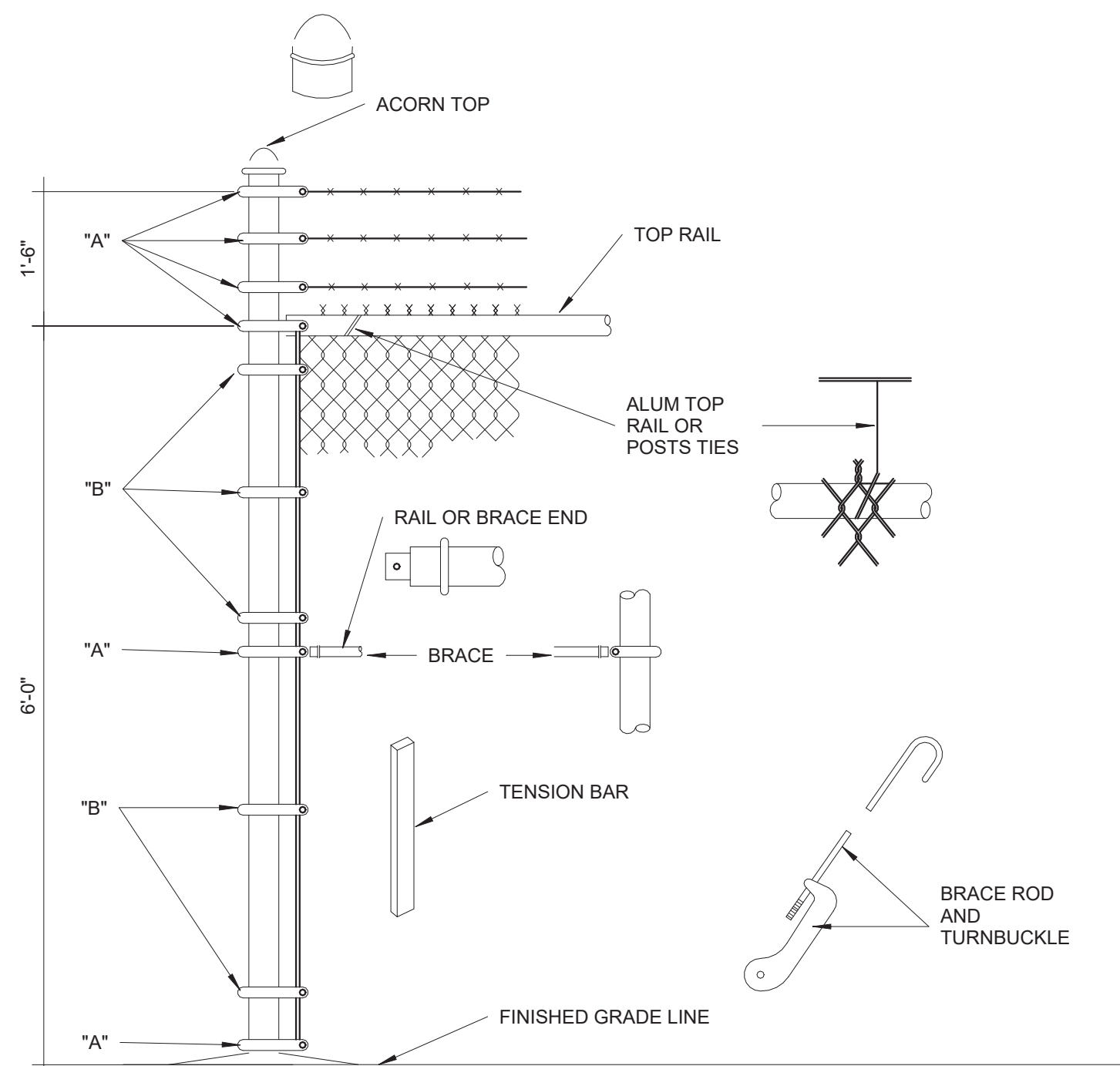
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**6DT502**

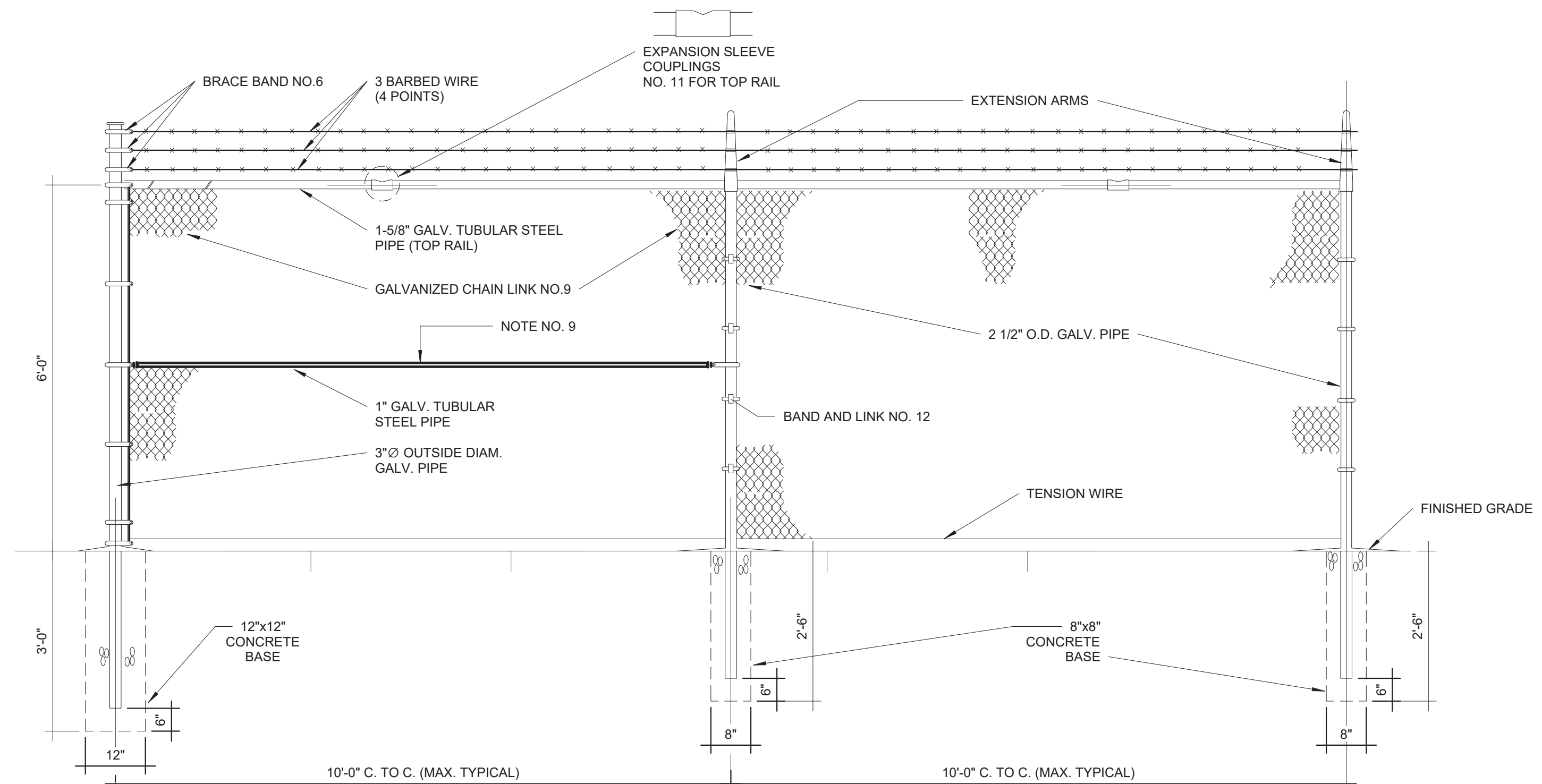
OF

**NOTES:**

- CHAIN LINK FENCE - INDUSTRIAL TYPE NO 423
- LINE POSTS 2 1/2" O.D. GALV. - STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
- TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
- CORNER POST 3" O.D. GALV. - STD. WEIGHT PIPE - 6.79 LBS. PER LIN. FT.
- TENSION WIRE GA. NO.7 GALVANIZED
- GATE POST 4"O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
- GALVANIZED CHAIN LINK GA. 9-2"X2"-1.2 OUNCES GALVANIZED AFTER WOOVEN.
- STD. WEIGHT PIPE, SCHEDULE 40A. 120
- TUBULAR STEEL PIPE SHALL BE INSTALL EVERY 50'-0" PANEL SPAN (SPAN=10'-0")
- TUBULAR STEEL PIPE SHALL BE INSTALL EVERY DIRECTIONS CHANGE IN THE FENCE.
- TUBULAR STEEL PIPE SHALL BE INSTALL AT EACH FENCE END PANEL.
- ALL FITTINGS - EXTRA HEAVY DUTY.
- MILL CERTIFICATE SHALL BE SUBMITTED.



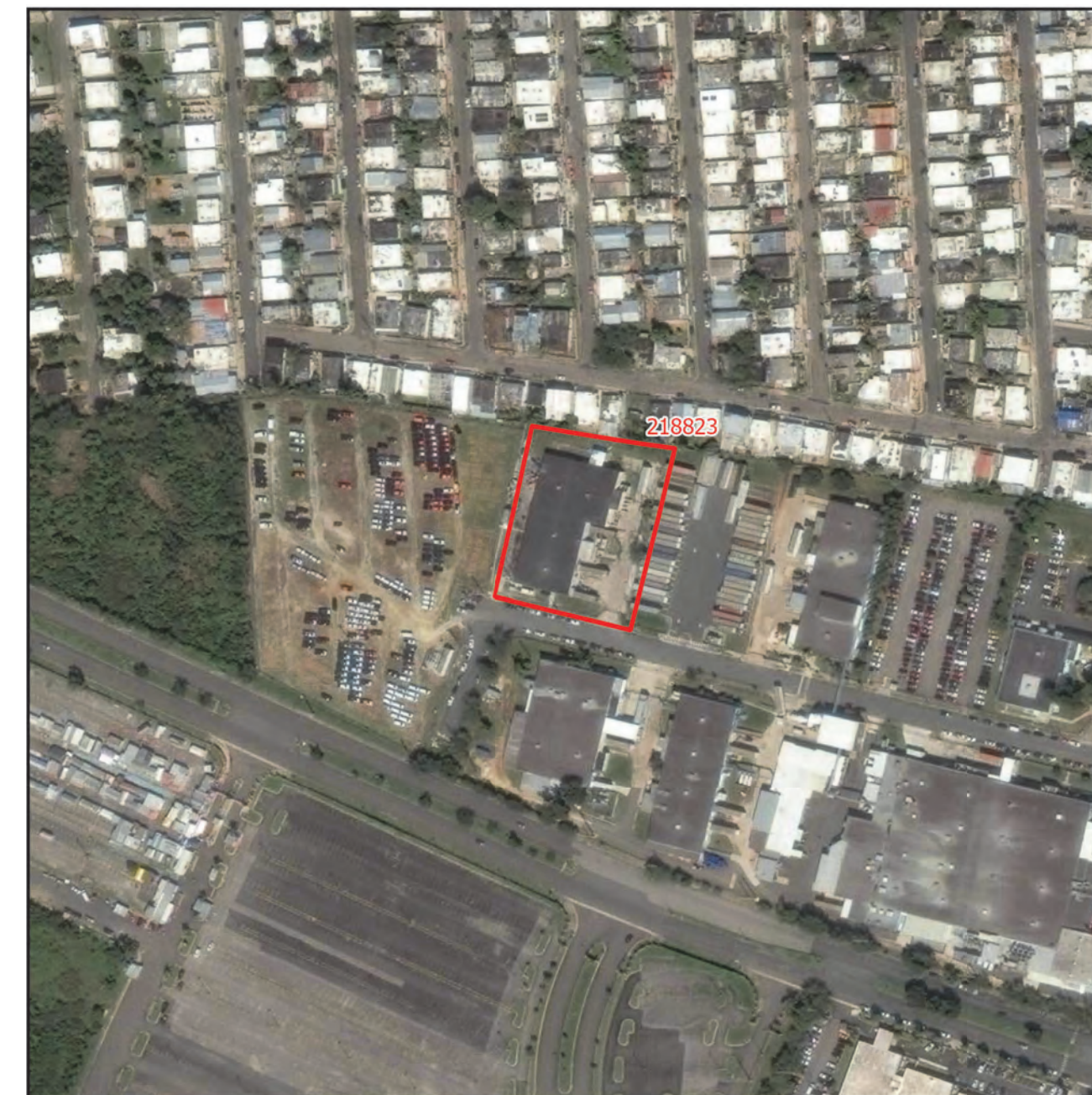
**2**    **INSTALLATION DETAILS FOR CHAIN LINK FENCE & GATES**  
N.T.S.



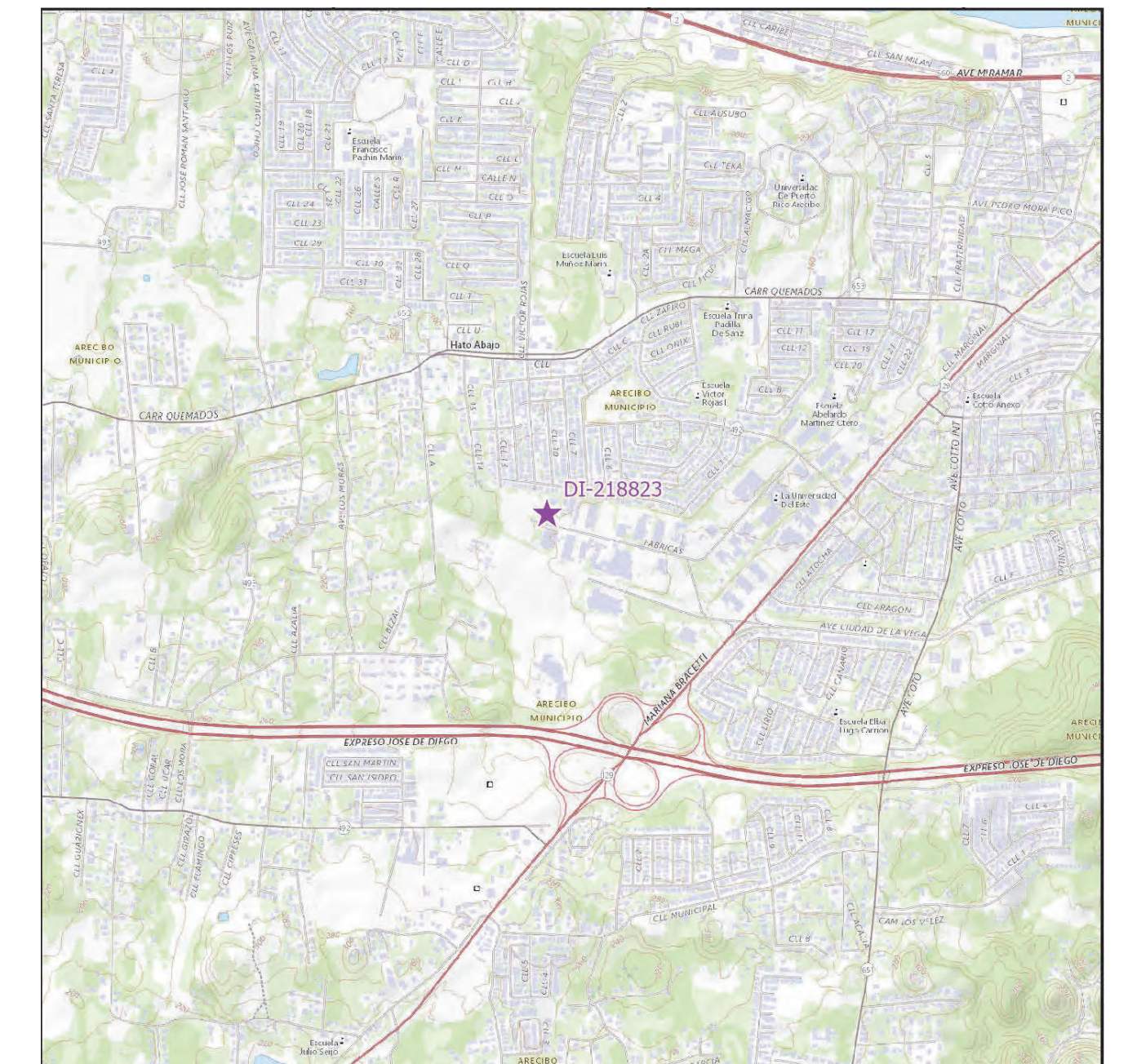
**1**    **CHAIN LINK FENCE WITH BARBED WIRE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)**  
N.T.S.



FLOOD MAP



AERIAL PHOTO  
18.45965, -66.74882



LOCATION MAP  
SCALE 1: 20,000

**INDEX OF DRAWINGS - PW 8144, DI 218823**

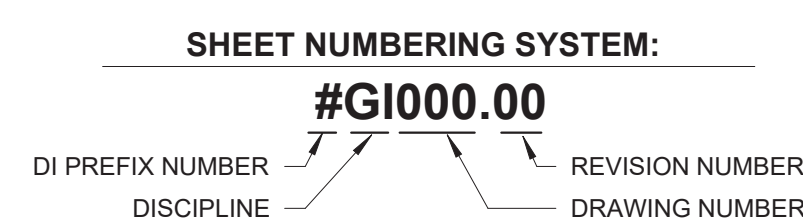
Discipline	Sheet Number	Current Revision	Sheet Name
00-GENERAL	7GI001		COVER SHEET - DI 218823
00-GENERAL	7GI002		GENERAL NOTES, ABBREVIATIONS AND LEGEND
03-ARCHITECTURAL	7AE101		SITE PLAN BUILDING T125507900 DI 218823
05-DETAILS	7DT501		DETAILS AND SPECIFICATIONS
05-DETAILS	7DT502		DETAILS AND SPECIFICATIONS
05-DETAILS	7DT503		DETAILS AND SPECIFICATIONS

# PRIDCO-FEMA 4339 DR PROGRAM NORTH REGION STAGE 1 BID PACKAGE N1-3

7. PW: 8144 | DI: 218823 | Bldg: T125507900

Road PR-128, Km. 40.9, Lot #44, Zeno Gandia Industrial Park, Arecibo, PR, 00612

FEBRUARY 21, 2024



PUERTO RICO  
INDUSTRIAL DEVELOPMENT COMPANY  
PRIDCO



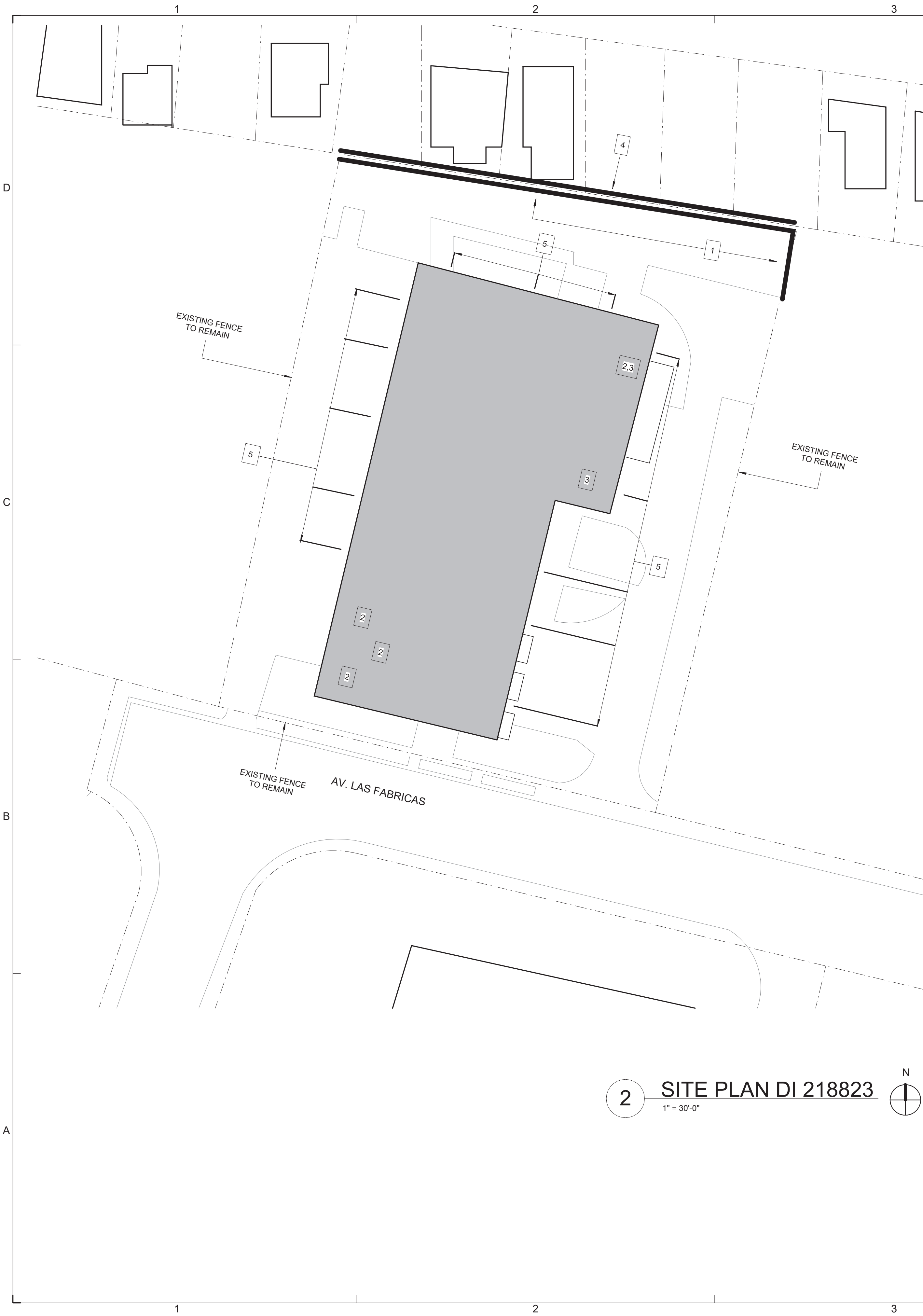
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**COVER SHEET - DI 218823**

SCALE:  
**AS SHOWN**

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SHEET NO. <b>7GI001</b>	

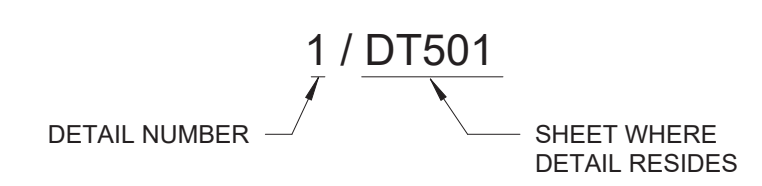




**2** SITE PLAN DI 218823  
1" = 30'-0"

CONSTRUCTION KEY NOTES SCHEDULE DI 218823							
#ID	TYPE OF DAMAGE	DESCRIPTION	DIMENSIONS	QUANTITY	DETAIL	TECHNICAL SPECIFICATIONS	PHOTO
1	PA - Public Assistance	Exterior, Site: Remove obstructions within fence's path. Remove and dispose damaged material, install new chain link fence (Galv. Ga. No. 9, Post- 2 1/2" diam. galv., 3-strands barbed wire (4-point)).	90 LF L x 6 FT H	90 LF	1/7DT502 1/7DT503 2/7DT502	323113	
2	AD - Additional Damages	Exterior, Roof: Remove, dispose damaged material. Prepare surface. Install new 2-ply waterproofing membrane and accessories.	-	23,100 SF	1/7DT501 2/7DT501 3/7DT501 4/7DT501	070150.19; 074646; 075552.16	
3	AD - Additional Damages	Interior, Roof: Clean and prepare the surface. Repair surface by applying wall putty, and sand affected areas. Apply paint primer, and two coats of Dry Fall paint.	20 FT L x 10 FT W	200 SF	-	099123	
4	AD - Additional Damages	Exterior, Site: Remove obstructions within fence's path. Remove and dispose damaged material, install new chain link fence (Galv. Ga. No. 9, Post- 2 1/2" diam. galv., 3-strands barbed wire (4-point)).	210 LF L x 6 FT H	210 LF	1/7DT502 1/7DT503 2/7DT502	323113	
5	AD - Additional Damages	Interior, Wall: Remove and replace aluminum jalousie heavy duty window operators.	-	19 EA	-	085113	

NOTE: SEE GENERAL NOTES, ITEM #7 IN 7GI002



**1** KEY PLAN DI 218823  
N.T.S.



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 PROFESSIONAL OF RECORD:  
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 STAFF DESIGNER:  
 JOHANNA SALCEDO  
 I.C. AUTHOR:  
 PRINCIPAL CAD TECHNICIAN:

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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
 NORTH REGION STAGE 1  
 BID PACKAGE N1-3  
 PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:  
**SITE PLAN BUILDING  
 T125507900 DI 218823**

SCALE:  
**AS SHOWN**

DELIVERY DATE:	PROJECT NUMBER: 21-0258-02
PRINT DATE & TIME: 4/22/2024 3:28:59 PM	BIM FILE NAME:
DRAWING / MODEL LOCATION:	

SHEET NO:  
**7AE101**  
 OF

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FOR:  
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**JOHANNA SALCEDO**  
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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS NORTH REGION STAGE 1 BID PACKAGE N1-3 PW: 7801 / QUEBRADILLAS**

DATE	ISSUE DESCRIPTION

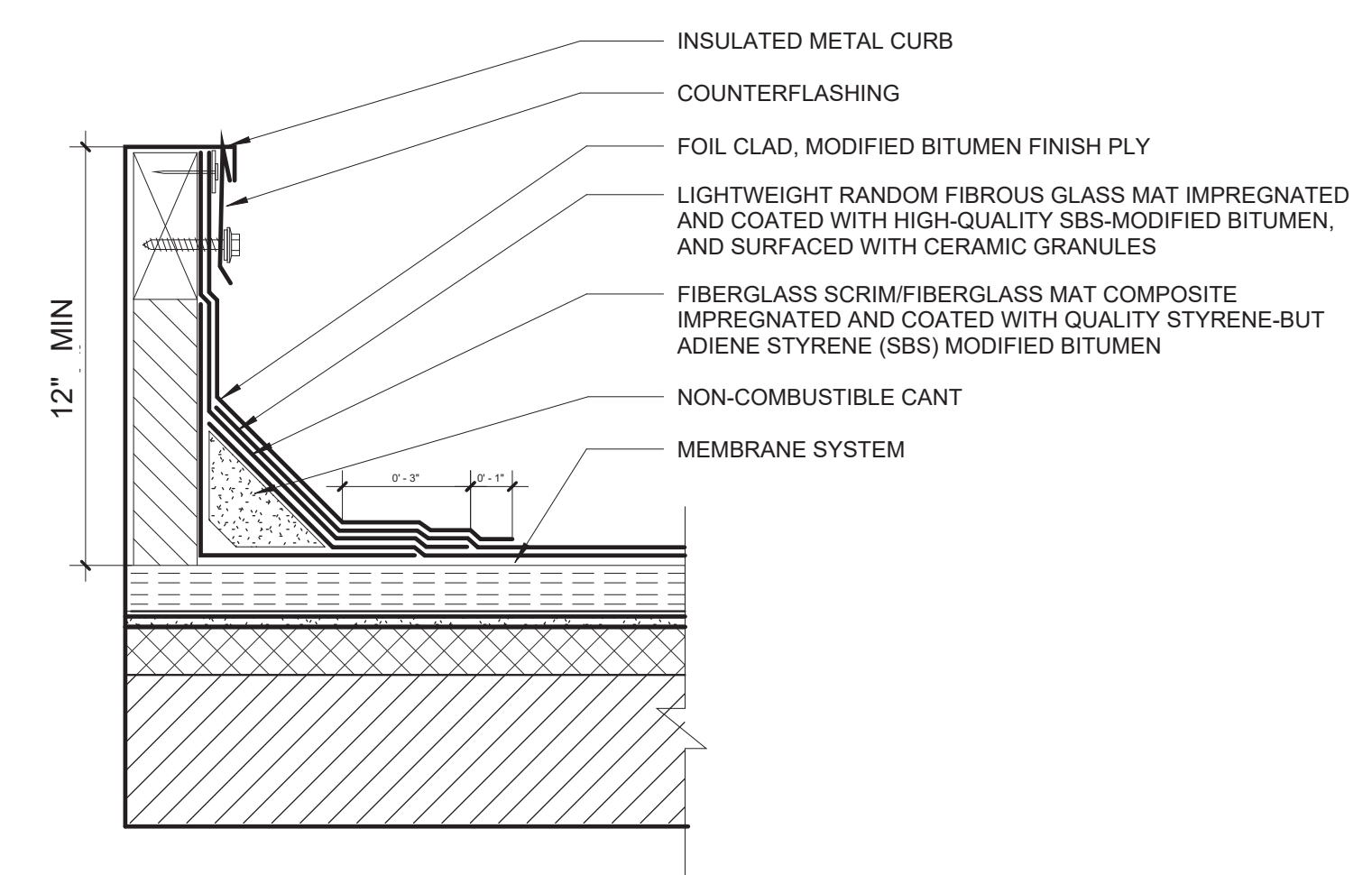
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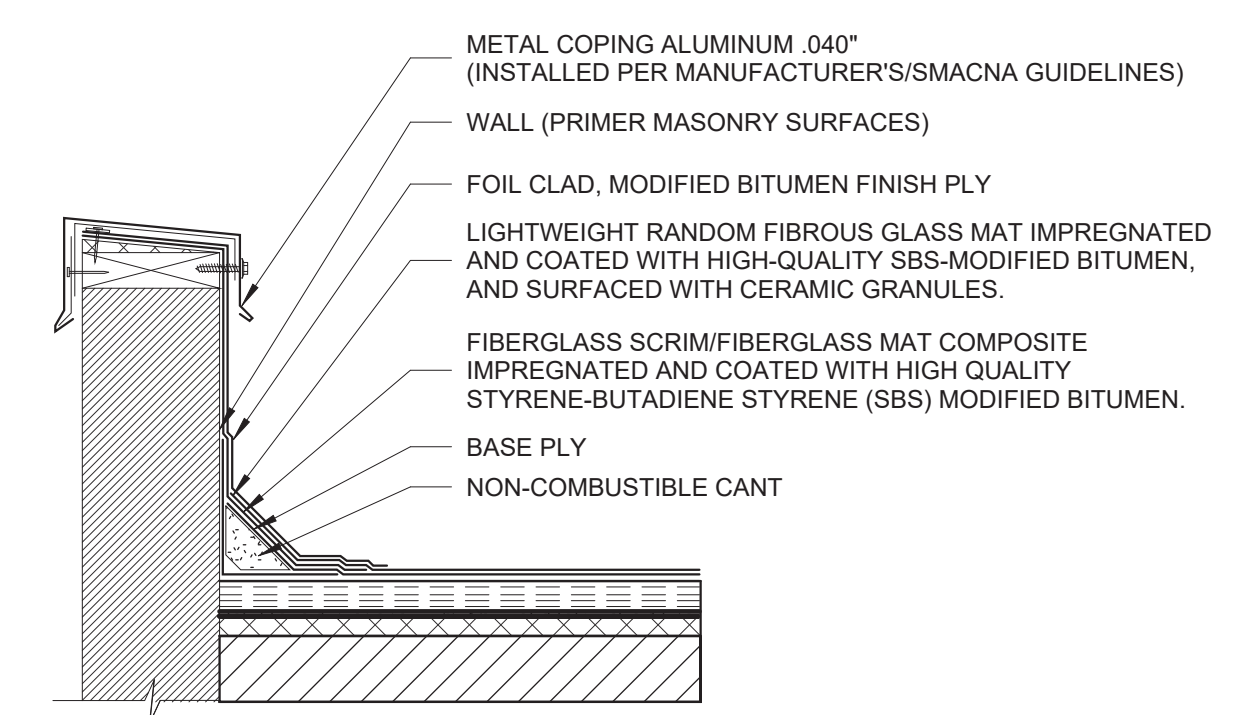
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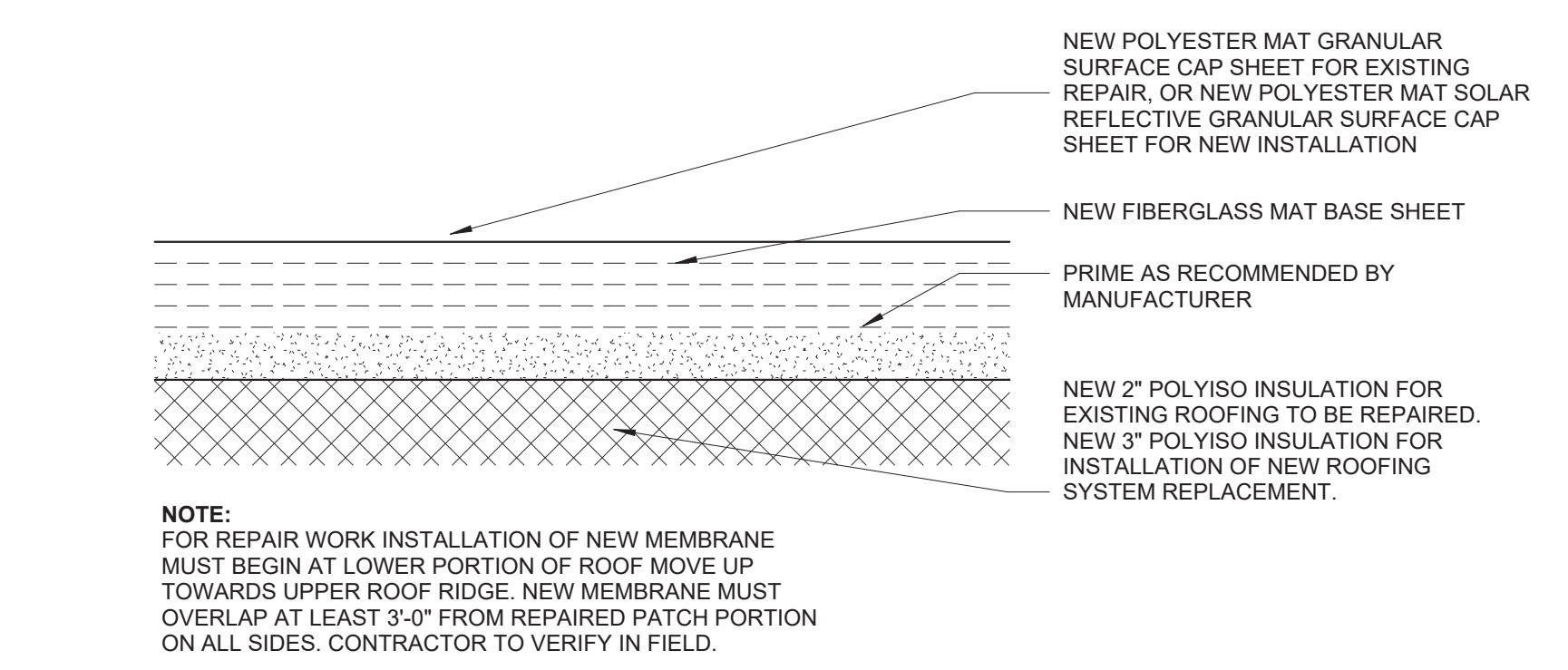
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OF



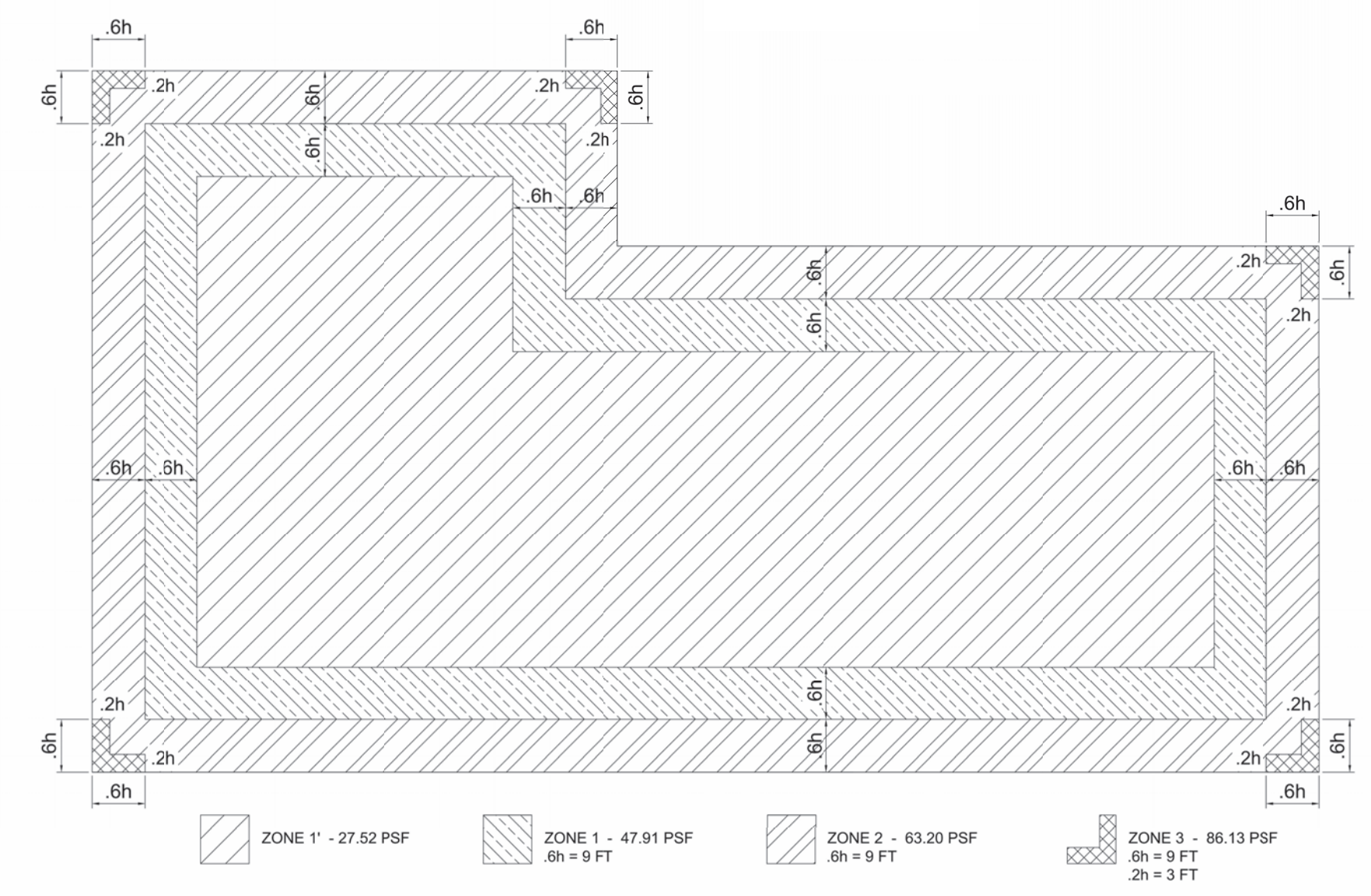
**3 FLASHING AT EXHAUST FAN CURB DETAIL**  
N.T.S.



**2 CAP FLASHING DETAIL**  
N.T.S.



**1 2-PLY SBS BITUMINOUS MEMBRANE SECTION**  
N.T.S.



**WIND PRESSURES - COMPONENTS & CLADDING**

**NOTES:**  
1. THE FOLLOWING PARAMETERS WERE USED TO COMPUTE THE WIND PRESSURES:  
1.1. WIND SPEED = 152 MPH (AS PER PR BUILDING CODE 2018 AND ASCE 7-16)  
1.2. COMPONENTS AND CLADDING (C/C) CALCULATIONS PER CH 30 PART 2  
1.3. MEAN ROOF HEIGHT (h) = 15 FT  
1.4. THE PRESSURES SHOWN ARE UNFACTORED (ASD).  
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THIS INFORMATION TO THE ROOF INSULATION AND ROOF MEMBRANE MANUFACTURERS.  
3. THE ROOF INSULATION AND ROOF MEMBRANE MANUFACTURERS ARE RESPONSIBLE TO PROVIDE THE REQUIRED ANCHORAGE RECOMMENDATIONS OF THEIR PRODUCTS TO THE ROOF METAL DECK BASED OF THE PROVIDED WIND PRESSURES.

**4 WIND PRESSURES - COMPONENTS & CLADDING**  
N.T.S.



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**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
NORTH REGION STAGE 1  
BID PACKAGE N1-3  
PW: 8144 / ARECIBO**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:

**DETAILS AND SPECIFICATIONS**

SCALE:

**AS SHOWN**

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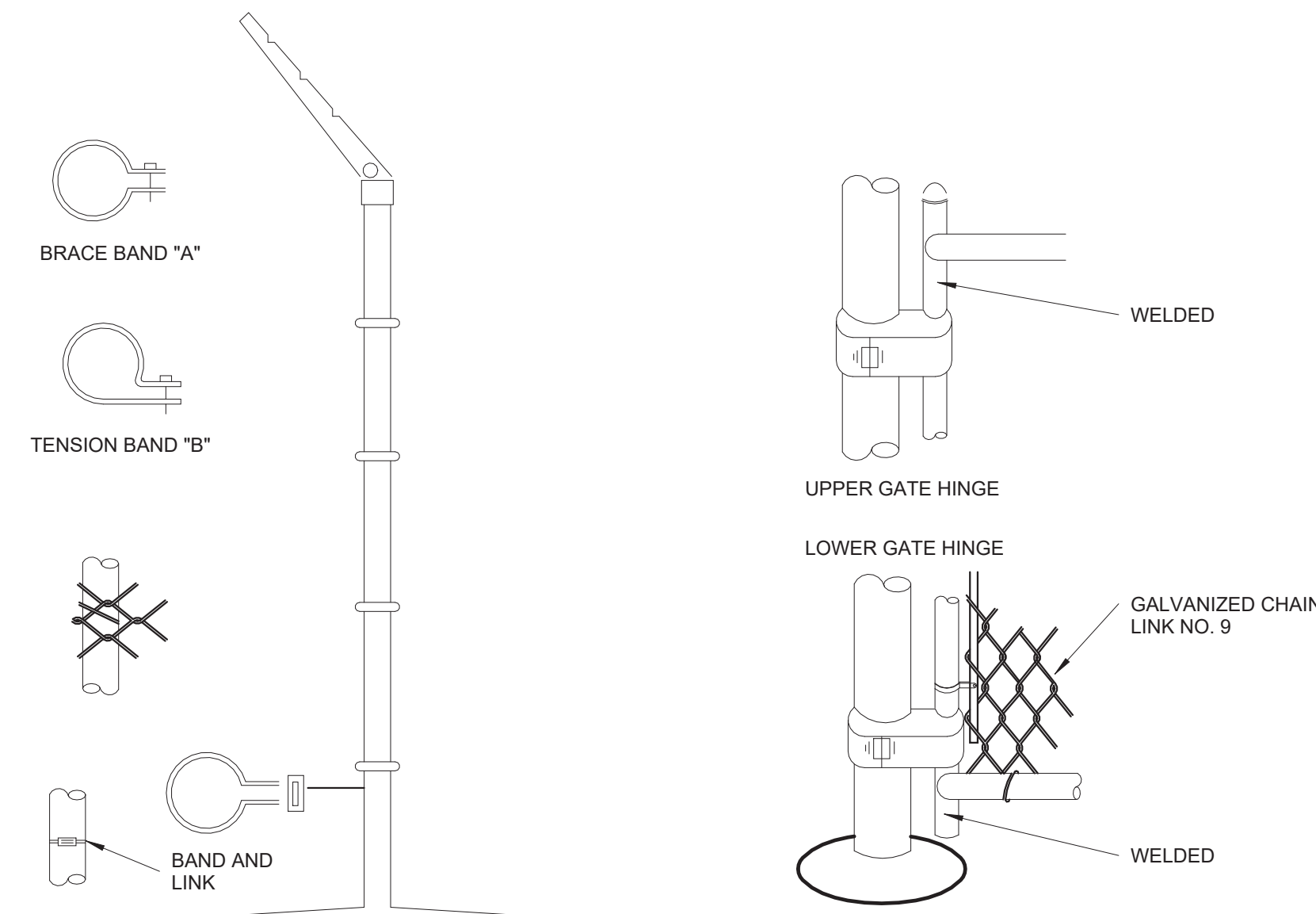
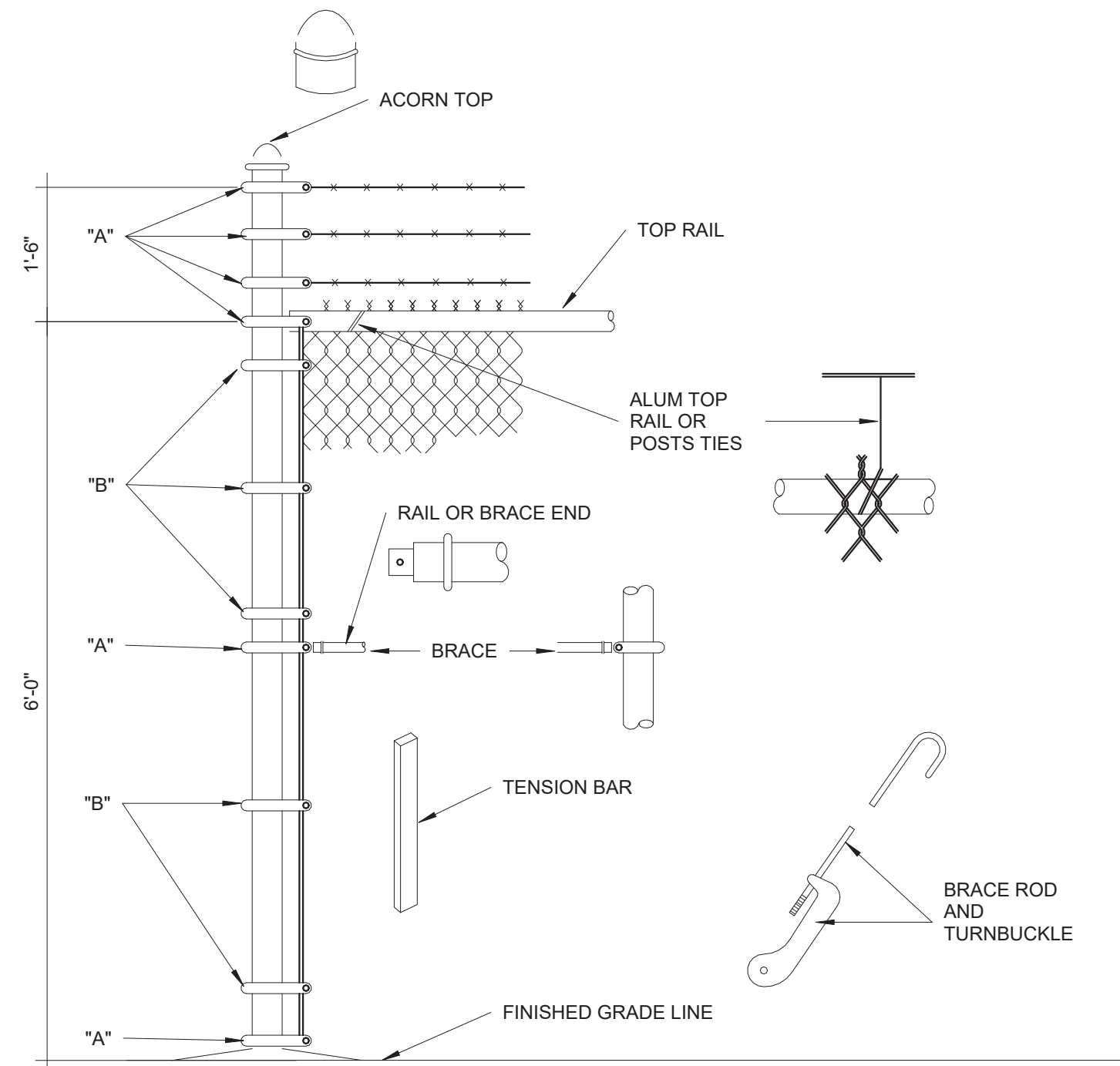
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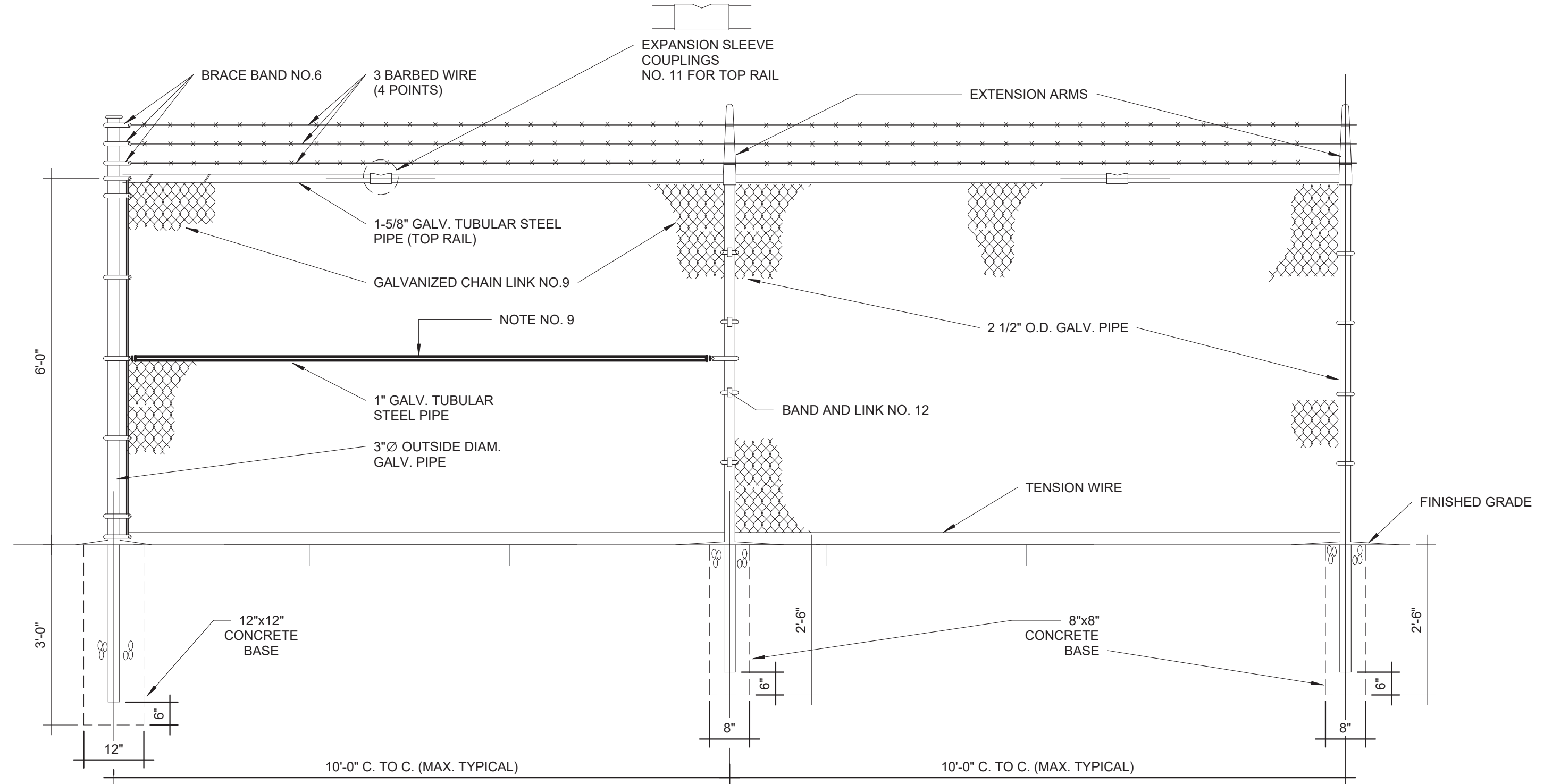
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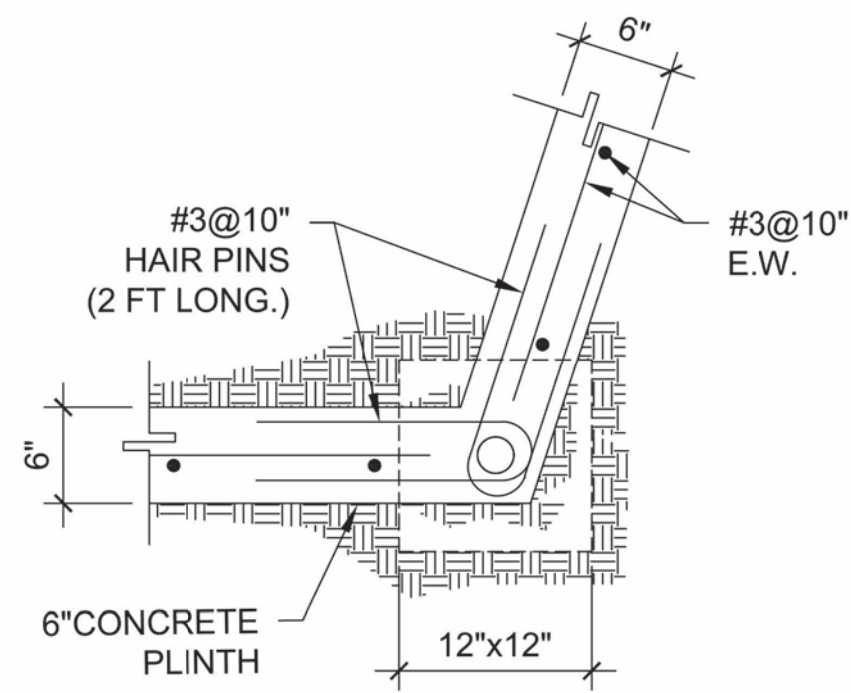
- CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
- LINE POSTS 2 1/2" O.D. GALV. - STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
- TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
- CORNER POST 3" O.D. GALV. - STD. WEIGHT PIPE - 6.79 LBS. PER LIN. FT.
- TENSION WIRE GA. NO.7 GALVANIZED
- GATE POST 4"O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
- GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOOVEN.
- STD. WEIGHT PIPE, SCHEDULE 40A, 120
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- TUBULAR STEEL PIPE SHALL BE INSTAL EVERY DIRECTIONS CHANGE IN THE FENCE.
- TUBULAR STEEL PIPE SHALL BE INSTALL AT EACH FENCE END PANEL.
- ALL FITTINGS - EXTRA HEAVY DUTY.
- MILL CERTIFICATE SHALL BE SUBMITTED.



**2** INSTALLATION DETAILS FOR CHAIN LINK FENCE & GATES  
N.T.S.

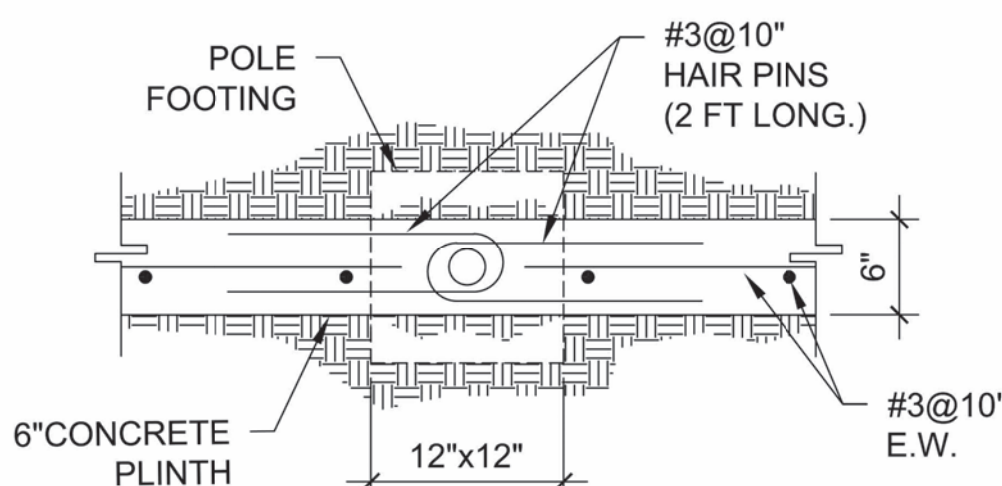


**1** CHAIN LINK FENCE WITH BARBED WIRE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)  
N.T.S.



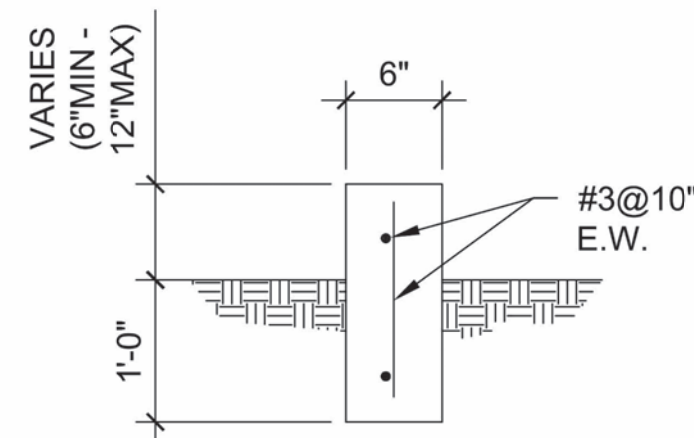
**TOP VIEW**

**ADDITIONAL REINFORCEMENT  
AT FENCE POLE LOCATION  
(AT CORNERS)**



**TOP VIEW**

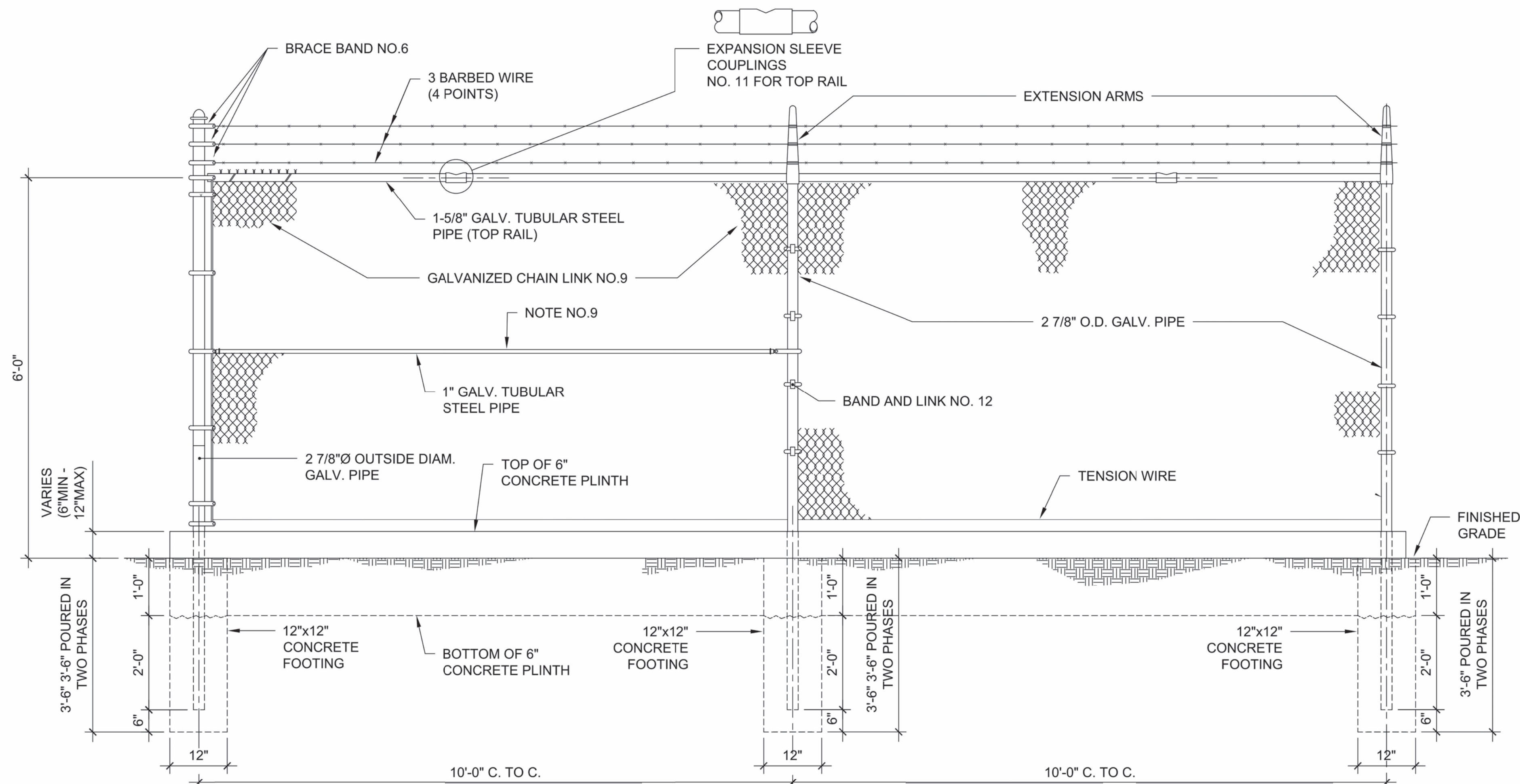
**ADDITIONAL REINFORCEMENT  
AT FENCE POLE LOCATION**



**TYPICAL 6" CONCRETE  
PLINTH SECTION**

**NOTES:**

1. CHAIN LINK FENCE - INDUSTRIAL TYPE NO.423
2. LINE POSTS 2 7/8" O.D. GALV. - STD.WEIGHT PIPE.
3. TOP RAIL 1 5/8" O.D. GALV. - STD.WEIGHT PIPE. PER LIN. FT. (GATE FRAME IDEM.)
4. CORNER POST 2 7/8" Ø O.D. GALV. - STD. WEIGHT PIPE
5. TENSION WIRE GA. NO.7 GALVANIZED
6. GATE POST 4"O.D. GALV. - STD. WEIGHT PIPE - 9.10 LBS. PER LIN. FT.
7. GALVANIZED CHAIN LINK GA. 9-2"x2"-1.2 OUNCES GALVANIZED AFTER WOOVEN.
8. STD. WEIGHT PIPE, SCHEDULE 40A. 120
9. - TUBULAR STEEL PIPE SHALL BE INSTALL EVERY 50'-0" PANEL SPAN (SPAN=10'-0")  
- TUBULAR STEEL PIPE SHALL BE INSTAL EVERY DIRECTIONS CHANGE IN THE FENCE.  
- TUBULAR STEEL PIPE SHALL BE INSTALL AT EACH FENCE END PANEL.
10. ALL FITTINGS - EXTRA HEAVY DUTY.
11. MILL CERTIFICATE SHALL BE SUBMITTED.



**CHAIN LINK FENCE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)**

**CHAIN LINK FENCE WITH BARBED  
WIRE AND CONCRETE PLINTH**

1

N.T.S.



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**ISSUE FOR BID**

FEBRUARY 21, 2024

REV	DATE	DESCRIPTION

**DISCIPLINE INFORMATION:**  
 PRIME PROFESSIONAL:  
 ANNETTE ALFONSO  
 PROFESSIONAL OF RECORD:  
 ANNETTE ALFONSO  
 STAFF DESIGNER:  
 JOHANNA SALCEDO  
 I.C. AUDITOR:  
 PRINCIPAL CAD TECHNICIAN:

**PROFESSIONAL'S STATEMENT:**

YO, ANNETTE ALFONSO  
 NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE (CONFECCIONO, DISEÑO O PREPARO) ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN, CERTIFICO QUE ENTENDO QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADICIONALMENTE, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRQUEÑA" Y CON LA (LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA); LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA, SEGUN APLIQUE; RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPE.

**PROJECT:**

**PRIDCO DAMAGE IMPROVEMENTS  
NORTH REGION STAGE 1  
BID PACKAGE N1-3  
PW: 8144 / ARECIBO**

**DATE**    **ISSUE DESCRIPTION**

DATE	ISSUE DESCRIPTION

**DRAWING INFORMATION:**

SHEET TITLE:

**DETAILS AND SPECIFICATIONS**

SCALE:

AS SHOWN

DELIVERY DATE:    PROJECT NUMBER:

4/22/2024 3:29:07 PM    21-0258-02

BIM FILE NAME:

DRAWING / MODEL LOCATION:

SHEET NO.    **7DT503**

OF