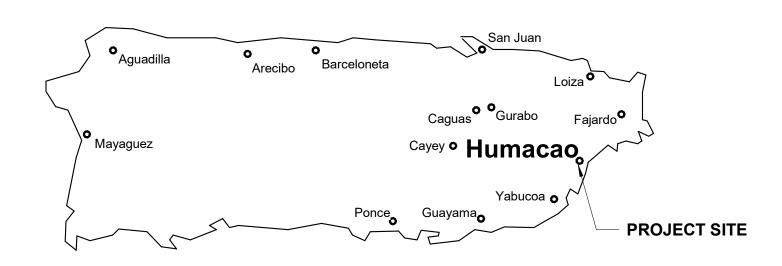
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East Region

Bid Package E1-3



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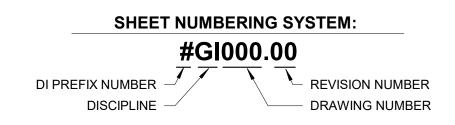
EAST REGION STAGE 1 BID PACKAGE E1-3 PRIDCO-FEMA 4339 DR PROGRAM

REPAIR AND IMPROVEMENTS OF INDUSTRIAL BUILDINGS OF THE PR INDUSTRIAL DEVELOPMENT COMPANY FOR THE:

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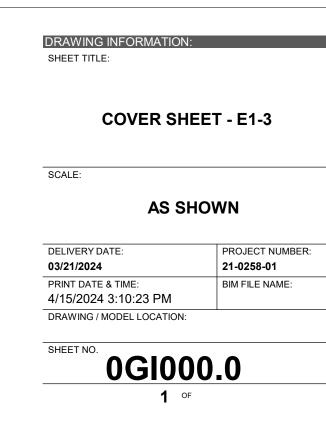
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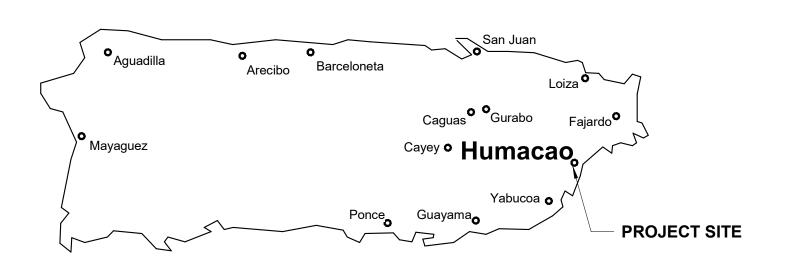
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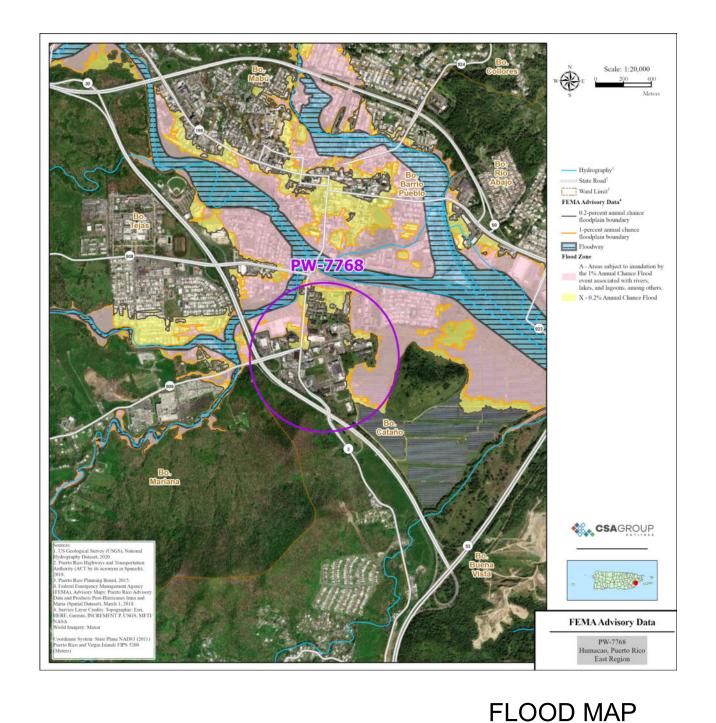


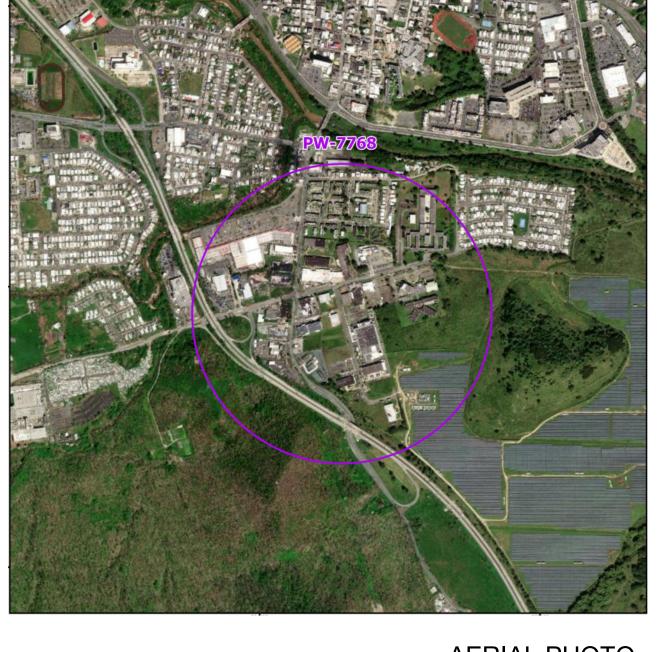


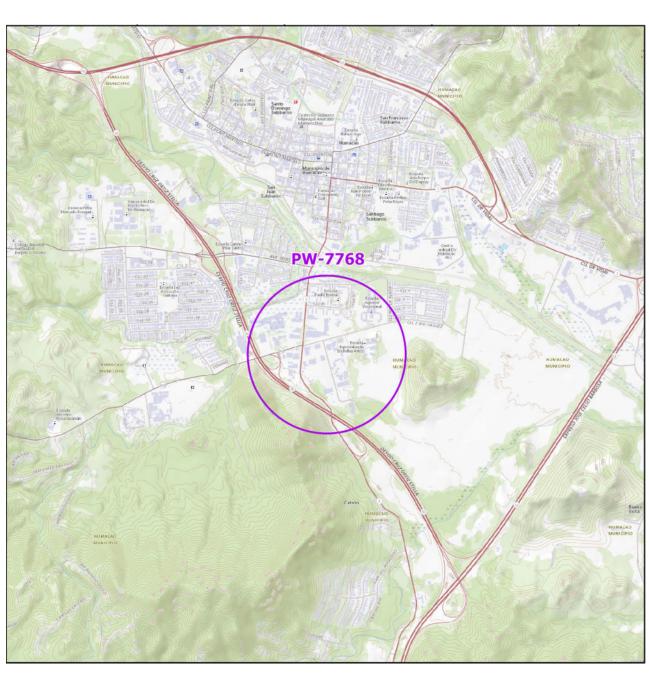
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LOCATION MAP SCALE 1: 20,000

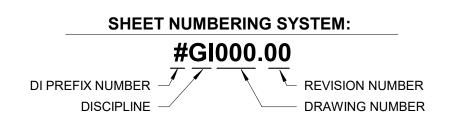
EAST REGION STAGE 1 BID PACKAGE E1-3 PRIDCO-FEMA 4339 DR PROGRAM

REPAIR AND IMPROVEMENTS OF INDUSTRIAL BUILDINGS OF THE PR INDUSTRIAL DEVELOPMENT COMPANY FOR THE:

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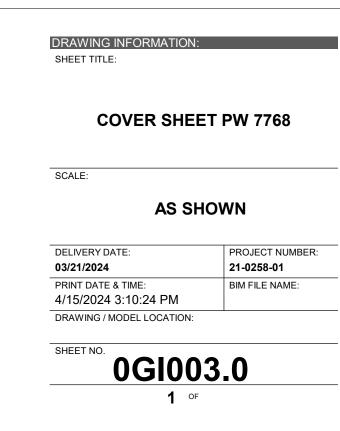
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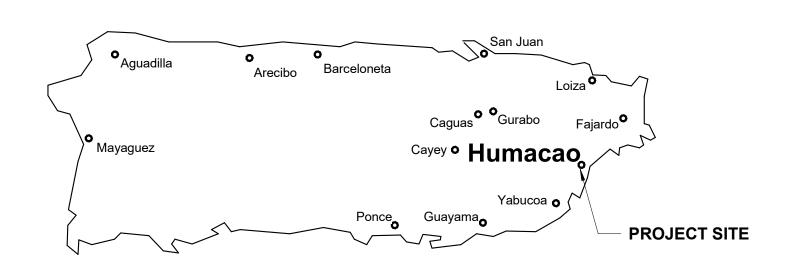
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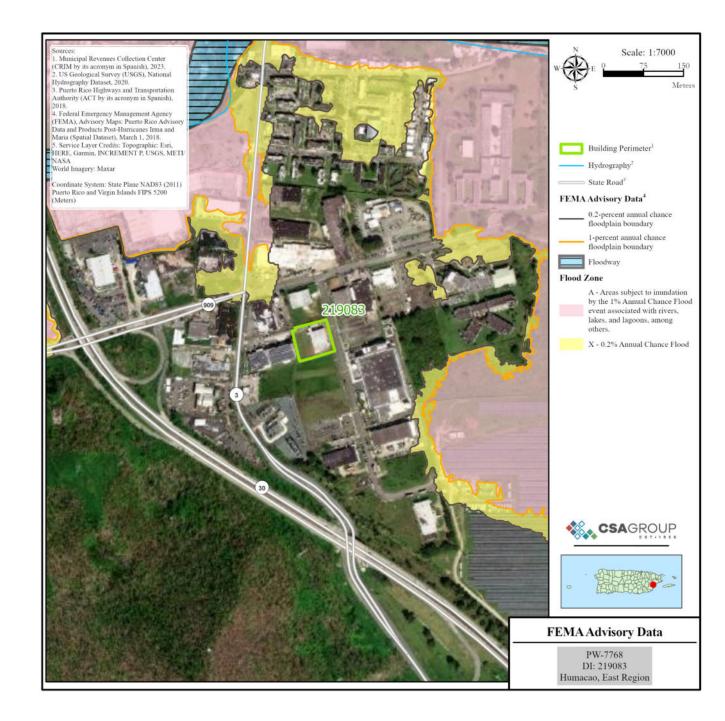


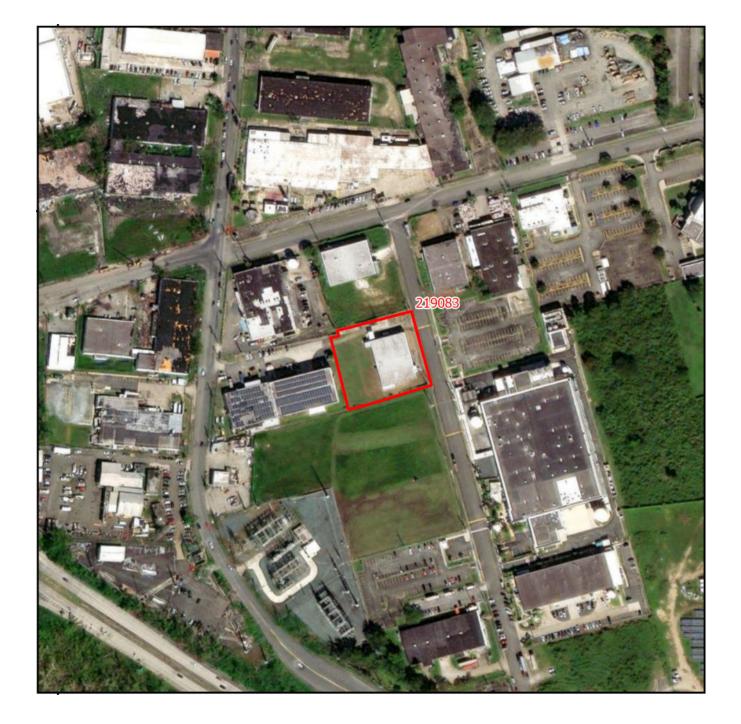


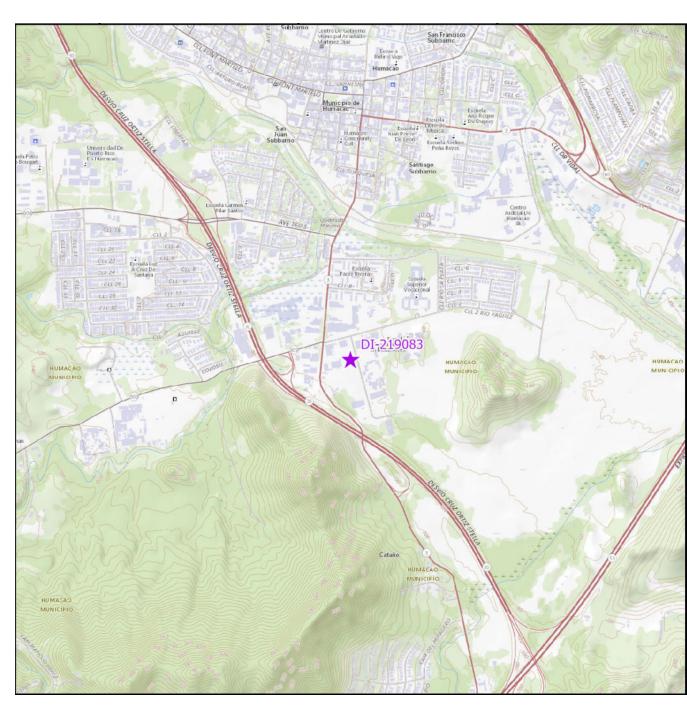












FLOOD MAP

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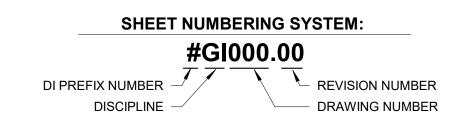
PRIDCO-FEMA 4339 DR PROGRAM EAST REGION STAGE 1 BID PACKAGE E1-3

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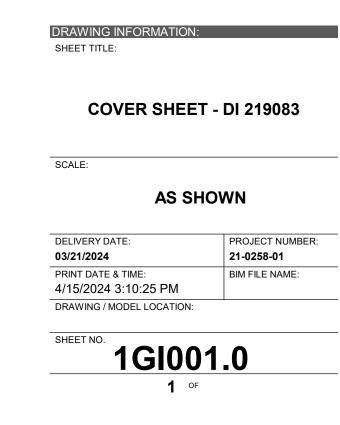
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GENERAL NOTES

- 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
- 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 PROCEDING 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
- 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 | 14. 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.

- 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 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
- 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 6. 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 THROUGHT 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 10.
- SUBMITTING BIDS. 22. ALL SWITCHES AND RECEPTACLES THAT ARE CONCEALED IN WALLS AND 11.
- OVERHANGS SHALL BE PROVIDED WITH STAINLESS STEEL COVERS. CONTRACTOR SHALL CONTACT THE DISTRICT 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
- SUBSTATION 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 14. 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
- THE PLUMBING DRAWING IS GENERALLY DIAGRAMATTIC 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 AP-ART 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
- 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
- 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, 15TH 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
- 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 \mid STRUCTURAL ENGINEER. CONCRETE MIX DESING SHALL BE SIGNED AND \mid SEALED BY A PROFESSIONAL ENGINEER AUTHORIZED TO EXERCISE THE PROFESSION IN THE COMMOM 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.

WITH A MINIMUM YIELD STRENGTH OF 33 KSI

- 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
- ATTACH SHEETS TO STEEL SUPPORT MEMBERS AS INDICATED AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. WHEN DECK IS SCHEDULED TO BEEXPOSED, DE-SLAG, CLEAN AND TOUCH UP WELDS WITH A ZINC-RICH
- 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 ATTACHMENTAND 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 COMPACTS 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

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.

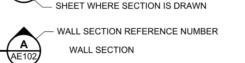
- WITHIN SIX MONTHS OF THE ESTIMATED DATE OF SUBSTANTIAL COMPLETION, PRUNE ALL DEAD OR HAZARDOUS BRANCHES LARGER THAN 2 INCH IN DIAMETER FROM ALL TREES TO REMAIN.
- IMPLEMENT ALL PRUNING RECOMMENDATIONS FOUND IN THE ARBORIST REPORT. PRUNE ANY LOW, HANGING BRANCHES AND VINES FROM EXISTING TREES AND SHRUBS THAT OVERHANG WALKS, STREETS AND DRIVES, OR PARKING AREAS AS FOLLOWS:
 - 1. WALKS WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.
 - 2. PARKING AREAS WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION. 3. 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:

EXISTING WALL NEW CONCRETE BLOCK WALL 6" OR 8" NEW PLYCEM BOARD WAL COLUMNS ---- MATCH LINE CONDITION BELOW, ABOVE OF

 DETAIL REFERENCE NUMBER DETAIL REFERENCE SYMBO





GENERAL BUILDING SECTION

SHEET WHERE WALL SECTION IS DRAWN

- SHEET WHERE INT. ELEV. IS DRAWN INTERIOR ELVATION SYMBOL ELEVATION REFERENCE NUMBER

NORTH ARROW



DOOR SYMBOL WINDOW SYMBOL

KEY NOTE

RISER SYMBOL





HANDICAPPED SYMBO

ABBREVIATIONS:

ROTTOM	
BOTTOM CENTER TO CENTER	
CONCRETE MASONRY UNIT	
CORRIDOR	
CORROSION	
ELEVATION	
EQUAL	
FLOOR DRAIN	
FINISH FLOOR ELEVATIONS	
FINISH FLOOR LEVEL	
FINISH(ED)	
HARDWARE	
HEIGHT	
INTERIOR	
JANITOR CLOSET	
MASONRY	
MECHANICAL	
MINIMUM	
MOUNTED	
NOT IN CONTRACT	
NOT APPLICABLE	
ON CENTER	
OPENING	
RADIUS ROOF DRAIN	
ROOM	
REQUIRED	
REVISION	
SMOOTH CEMENT PLASTER	
STAINLESS STEEL	
STORM SEWER	
STEEL	\dashv
STORAGE STRUCTURAL	
STRUCTURAL	

TOP OF MASONRY

DROP MANHOLE

VERIFY IN FIELD

UNLESS OTHERWISE NOTED

TOP OF STEEL

TELEPHONE

TYPICAL

MANHOLE

U.O.N

AIR CONDITIONING

ALUMINUM



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MARCH 21, 2024

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С	פוח	CIPLINE INFO	RMATION:
		PROFESIONAL:	THOM.
	4 N IN / -	TTE ALEONOO	
		TTE ALFONSO	
	PROF	ESSIONAL OF RECOR	D:
	ANNE	TTE ALFONSO	
	STAF	F DESIGNER:	
	GLOR	RIBED RIVERA	
	Q.C.	AUDITOR:	
	<u>FER</u> N	ANDA DERROSSI	
	PRINC	CIPAL CAD TECHNICIAI	N:

YO. ANNETTE ALFONSO

PROFESSIONAL'S STATEMENT:

TAMBIÉN. CERTIFICO QUE ENTIENDO QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. CERTIFICO. ADEMAS. QUE EN LAPREPARACIÓN 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 ILEY NÚM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; R 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

DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA

PERSONAS CON MI CONOCIMIENTO, ME HACEN

DISCIPLINARIA POR LA OGPE

RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y

POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS

CERTIFICO QUE SOY EL PROFESIONAL QUE

Y LAS ESPECIFICACIONES COMPLEMENTARIAS.

[CONFECCIONÓ, DISEÑÓ O PREPARÓ] ESTOS PLANOS

PRIDCO DAMAGE IMPROVEMENTS **EAST REGION STAGE** BID PACKAGE E1-3

DRAWING INFORMATION: SHEET TITLE:

PW: 7768 / HUMACAO

GENERAL NOTES ABBREVIATIONS AND LEGEND

DELIVERY DATE PROJECT NUMBER: 03/21/2024 21-0258-01 PRINT DATE & TIME

BIM FILE NAME:

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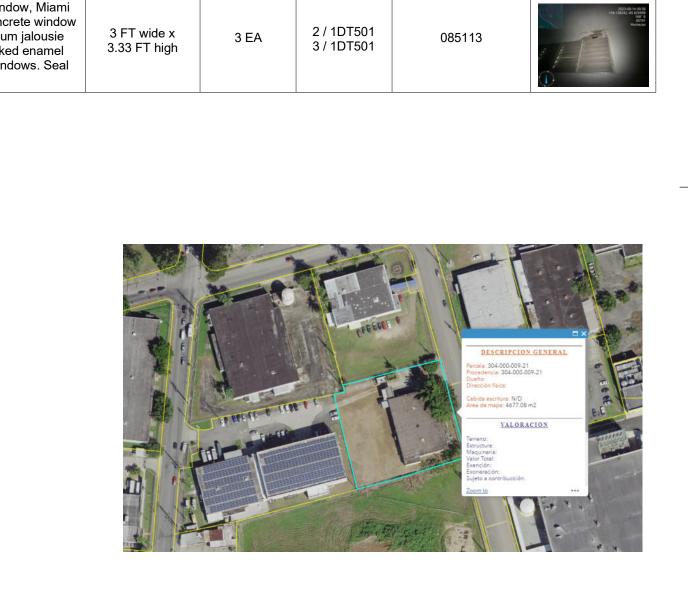
DRAWING / MODEL LOCATION:

SCALE

1			4			
			CONSTRUCTION K	EY NOTES SO	CHEDULE ([)I-219083)
	ID	TYPE OF DAMAGES	DESCRIPTION	DIMENSIONS	QUANTITY	DETAIL
	1	PA - Public Assistance	Building Exterior, Exhaust fan, Aluminum roof fan extractor cap w/ gravity self-acting back draft damper face-flush install, 36in FanSize, 1-HP Motor, 115/230V. Repair curb as necessary before exhaust fans and waterproofing membrane is installed. Verify that electrical connections are in good condition and energized.	-	2 EA	1 / 1DT503 2 / 1DT503 3 / 1DT503 4 / 1DT503
	2	PA - Public Assistance	Building Interior, Replace Single Wood Door, Solid Core, mahogany, 1-3/4" thick, including frame, hardware, and accessories, equal or like the existing door, material, fire rating and finishes. In accordance with applicable codes and PRIDCO standards.	3FT wide x 7 FT high	2 EA	1 / 1DT501 5 / 1DT501 6 / 1DT501
	3	PA - Public Assistance	Building Interior, Replace Single Wood Door, Solid Core, mahogany, 1-3/4" thick, including frame, hardware, and accessories, equal or like the existing door, material, fire rating and finishes. In accordance with applicable codes and PRIDCO standards.	2.5 FT wide x 7 FT high	1 EA	1 / 1DT501 5 / 1DT501 6 / 1DT501
AV. INDUSTRIAL	4	PA - Public Assistance	Building Interior, Replace Aluminum Jalousie Window, Miami Type, Ga 0.062, heavy duty hardware.Repair concrete window head, remove and replace the damaged aluminum jalousie window if necessary. Window finish shall be baked enamel paint, factory applied, color to match adjacent windows. Seal windows jambs.	3 FT wide x 3.33 FT high	1 EA	2 / 1DT501 3 / 1DT501
	5	PA - Public Assistance	Exterior Site, Replace Chain Link Fence, Ga. No. 9, Post - 2.5 inch diam galv., 3-strands Barbed Wire (4-point).	130 LF long x 6 FT high	130 LF	1 / 1DT502
	6	HM - Hazard Mitigation	Building Exterior, Roof, 406 HMP Add SBS air barrier layer of Roof.	-	11,411 SF	7 / 1DT501 8 / 1DT501 9 / 1DT501 10 / 1DT501
	7	HM - Hazard Mitigation	Building Exterior, Exhaust Fans, 406 HMP When replacing the exhaust fans, add an anchoring system for each unit that will resist expected wind pressure during a similar event to prevent them from being overturned and damaged	-	2 EA	1 / 1DT503 2 / 1DT503 3 / 1DT503 4 / 1DT503
	8	AD - Additional Damages	Building Interior, Replace Aluminum Jalousie Window, Miami Type, Ga 0.062, heavy duty hardware. Window finish shall be baked enamel paint, factory applied, color to match adjacent windows, per PRIDCO standards. Seal windows jambs.	3 FT wide x 6 FT high	12 EA	2 / 1DT501 3 / 1DT501
	9	AD - Additional Damages	Building Exterior, Replace Exterior double metal door fire rated, Solid metal door, 16ga, filled with polyethylene. Replace with a new door, frame, hardware, and accessories, equal or like the existing door, material, fire rating and finishes. In accordance with applicable codes and PRIDCO standards.	6 FT wide x 7 FT high	1 EA	1 / 1DT501 5 / 1DT501 6 / 1DT501
	10	AD - Additional Damages	Building Exterior, Replace Exterior Lighting Fixture , Cobra / 150 Watt High Pressure Sodium.	-	3 EA	-
	11	AD - Additional Damages	Building Exterior, concrete plaster. Clean and prepare the surface. Apply cement plaster finish as required so that the finished plaster provides seamless continuity with existing plaster according to applicable codes and PRIDCO standards.	6 FT long x 4 FT wide	24 SF	-
EXISTING FENCE EXISTING	12	AD - Additional Damages	Exterior Site, Replace 3-strands Barbed Wire (4-point). Replace all broken sections of chain link fence as necessary to provide a stable installation; install missing sections to complete the perimeter of the site in accordance with PRIDCO standards. Remove vegetation as necessary for perimeter fence installation.	-	280 LF	1 / 1DT502
TO REMAIN, TYP., UON SIDEWALK TO REMAIN	13	AD - Additional Damages	Exterior Site, Replace Chain Link Fence, Ga. No. 9, Post - 2.5 inch diam galv., 3-strands Barbed Wire (4-point). Replace all broken sections of chain link fence as necessary to provide a stable installation; install missing sections to complete the perimeter of the site in accordance with PRIDCO standards. Remove vegetation as necessary for perimeter fence installation.	50 LF long x 6 FT high	50 LF	1 / 1DT502
$\begin{bmatrix} 14 & 9 & 11 \\ \hline 0 & 11 \\ \hline \end{bmatrix}$	14	AD - Additional Damages	Building Exterior, Replace Galvanized Rolling Door. The rolling door on the north side of the facility.	10 FT wide x 10 FT high	1 EA	1 / 1DT501 4 / 1DT501
	15	AD - Additional Damages	Building Interior, Replace Aluminum Jalousie Window, Miami Type, Ga 0.062, heavy duty hardware. Repair concrete window head, remove and replace the damaged aluminum jalousie window if necessary. Window finish shall be baked enamel paint, factory applied, color to match adjacent windows. Seal windows jambs.	3 FT wide x 3.33 FT high	3 EA	2 / 1DT501 3 / 1DT501
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SITE PLAN DI 219083

5, 13





TECHNICAL SPECIFICATION

233416

081416

081416

085113

323113

070150.19

233416

085113

081113

092400

323113

323113

083323

075552.16



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ISSUED FOR BID

MARCH 21, 2024

	RE	V	DATE	DESCRIPTION
С	פות		I INE INEC	PRMATION:
			FESIONAL:	PRIVIATION.
			LFONSO	
	PROF	ESSIO	NAL OF RECOR	D:
	ANNE	TTE A	LFONSO	
	STAF	F DESI	IGNER:	
	GLOR	IBED F	RIVERA	
	Q.C. A	UDITO	DR:	

FERNANDA DERROSSI PRINCIPAL CAD TECHNICIAN: PROFESSIONAL'S STATEMENT:

YO, ANNETTE ALFONSO

NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE [CONFECCIONÓ, DISEÑÓ O PREPARÓ] ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN, CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. CERTIFICO, ADEMAS, QUE EN LAPREPARACIÓN DE ESTOS PLANOS Y
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RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y

DISCIPLINARIA POR LA OGPE.

SCALE:

PRIDCO DAMAGE IMPROVEMENTS **EAST REGION STAGE 1** BID PACKAGE E1-3 PW: 7768 / HUMACAO

DATE	ISSUE DESCRIPTION
03/21/2024	ISSUED FOR BID
DRAWING IN	JEORMATION:

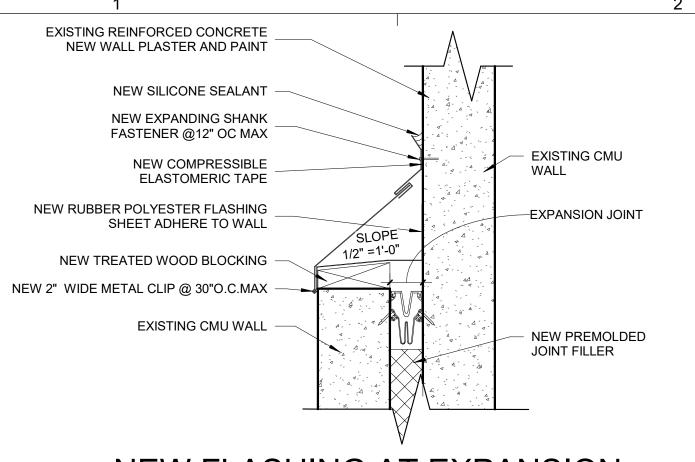
SHEET TITLE:

SITE PLAN BUILDING S082906600 DI 219083

AS SHOWN DELIVERY DATE: PROJECT NUMBER:

03/21/2024 21-0258-01 PRINT DATE & TIME: BIM FILE NAME: 4/15/2024 3:10:27 PM DRAWING / MODEL LOCATION:

1AE101



DOOR TYPES DOOR SIZE OPENING **GAUGE** MATERIAL THICKNESS LOUVERS FRAME DOOR WIDTH HEIGHT WIDTH HEIGHT DOOR FRAME **RATING** HOLLOW GALVANIZED DMFP 6' - 4" 7' - 2" 6' - 0" 1 3/4" 1HR METAL STEEL HOLLOW SOLID WOOD WFL 7' - 2" 1 3/4" 3' - 4" 3' - 0" METAL HOLLOW WFL SOLID WOOD 2' - 10" 7' - 2" 2' - 6" 7' - 0" 1 3/4" METAL HOLLOW GALVANIZED 16 MRD 10' - 4" 10' - 2" 10' - 0" 10' - 0" specifications STEEL

	WINDOW TYPES								
	OPENING SIZE				MATERIAL				
TYPE	WIDTH	HEIGHT	UNITS PER OPENING	SILL HEIGHT	WINDOW	FRAME			
1	9' - 0"	3' - 4"	3	4' - 8"	0.062-GAUGE MIAMI TYPE	ALUMINUM			

F.F.E.

<u>HEAD</u>

NEW JAMB AND SLAT VINYL

NEW ALUMINUM JALOUSIE

EXTERIOR

NEW CAULKING AT BOTH

SIDES OF WINDOW

DETAIL

WEATHERSTRIPPING

NEW DRIP SCREED

NEW CAULKING

WINDOW

TYPICAL WINDOW

EXISTING REINF. CONC.

NEW CAULKING AT BOTH SIDES OF WINDOW

AMOUNT & SPACING OF

RECOMMENDATIONS FOR

NEW CAULKING AT BOTH

SMOOTH CEMENT PLASTER

ANCHOR BOLTS PER

MANUFACTURER'S

WIND RESISTANCE

SIDES OF WINDOW

TO MATCH EXISTING

EXISTING REINF. CONC.

INTERIOR

NEW WINDOW SILL & HEAD

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PUERTO RICO INDUSTRIAL DEVELOPMENT COMPANY PRIDCO

WITHOUT WRITTEN CONSENT OF CSA ARCHITECTS AND ENGINEERS.

ISSUED FOR BID

MARCH	21	2024	

REV DATE DESCRIPTION									
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	LINE INFORM	MATION:							
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NNETTE A	LFONSO								

ANNETTE ALFONSO STAFF DESIGNER:

GLORIBED RIVERA Q.C. AUDITOR:

FERNANDA DERROSSI PRINCIPAL CAD TECHNICIAN

YO, ANNETTE ALFONSO

PROFESSIONAL'S STATEMENT:

NUM. LIC. 12304

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DESCONOCIMIENTO 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 OGPE.

PRIDCO DAMAGE IMPROVEMENTS **EAST REGION STAGE BID PACKAGE E1-3**

PW: 7768 / HUMACAO

SHEET TITLE:

DETAILS AND SPECIFICATIONS / ARCHITECTURE DI219083

AS SHOWN

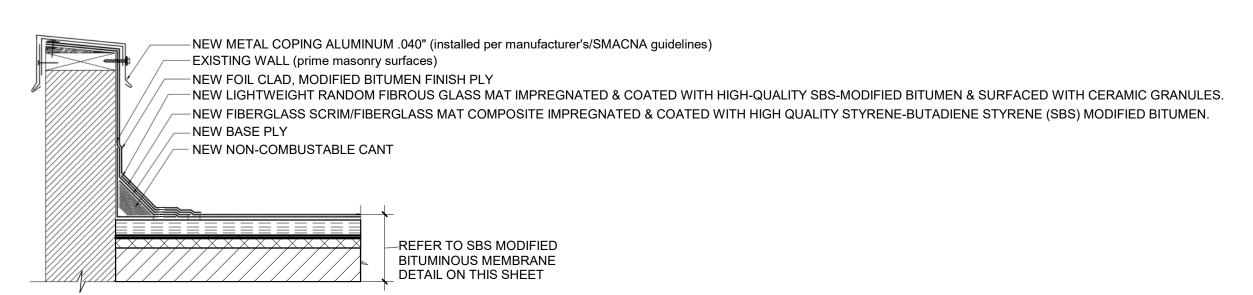
DELIVERY DATE PROJECT NUMBER: 03/21/2024 21-0258-01 PRINT DATE & TIME: BIM FILE NAME: 4/15/2024 3:10:27 PM

1DT501

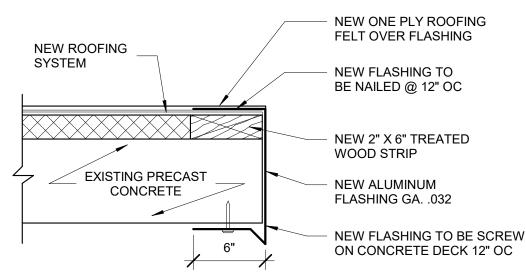
DRAWING / MODEL LOCATION:

SCALE

NEW FLASHING AT EXPANSION



NEW CAP FLASHING DETAIL



DETAIL

ONE (1) POLYESTER MAT SOLAR REFLECTIVE GRANULAR SURFACE CAP SHEET FOR NEW

NEW ONE (1) FIBERGLASS MAT BASE SHEET

FOR EXISTING REPAIR, OR TWO (2) LAYER

FIBERGLASS MAT BASE SHEET FOR NEW

NEW PRIME AS RECOMMENDED BY

NEW 2" POLYISO INSULATION FOR EXISTING ROOFING TO BE REPAIRED, 3"

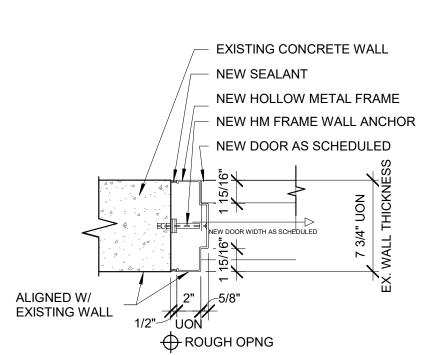
POLYISO INSULATION FOR INSTALLATION OF NEW ROOFING REPLACEMENT

NEW TWO (2) LAYERS POLYESTER MAT GRANULAR SURFACE CAP SHEET FOR EXISTING REPAIR INSTALLATION, OR

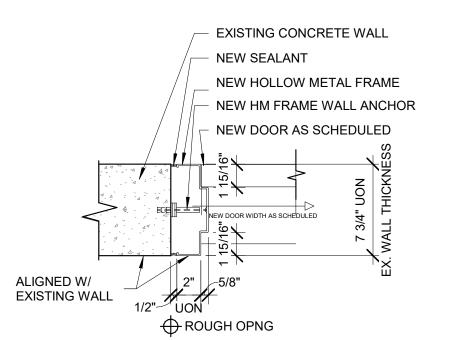
LINE OF ASSEMBLY BEYOND NEW FLASHING TO BE SCREW 7 3/4" UON ^V NEW ALUMINUM FLASHING

EXISTING CONCRETE WALL ALIGN W/ EXISTING SEALANT **CONCRETE WALL** ROUGH OPNG **NEW HOLLOW METAL FRAME** NEW HM FRAME WALL ANCHOR NEW DOOR AS SCHEDULED EX. WALL THICKNESS

NEW DOOR HEAD DETAIL



NEW DOOR JAMB DETAIL



MF - METAL FLUSH TYPICAL NEW DOORS **ELEVATIONS**

NEW 1/2"

EXISTING

DOOR

LEVEL

NOTE:
DOCK BUMPERS EQUAL OR SIMILAR TO STYLE PODB - 10 BY DURA

4 NEW ROLL-UP DOOR DETAIL

NTS

NEW RUBBER BUMPERS

TYPE H - 36 OR V - 12

OVERHANG

BOLTS 4" LONG

NEW ROLL-UP

DOOR

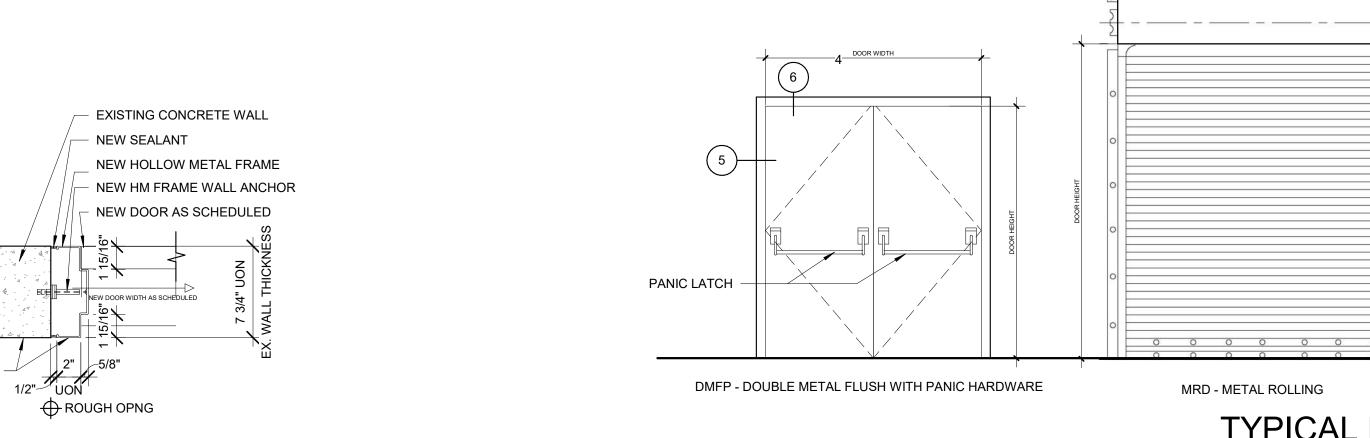
NEW #2 BAR HOOKS

WELDED TO ANGLES

NEW 1 1/2" X 1 1/2" X

3/16" X 10'-0" ANGLE

@ 12" O.C.



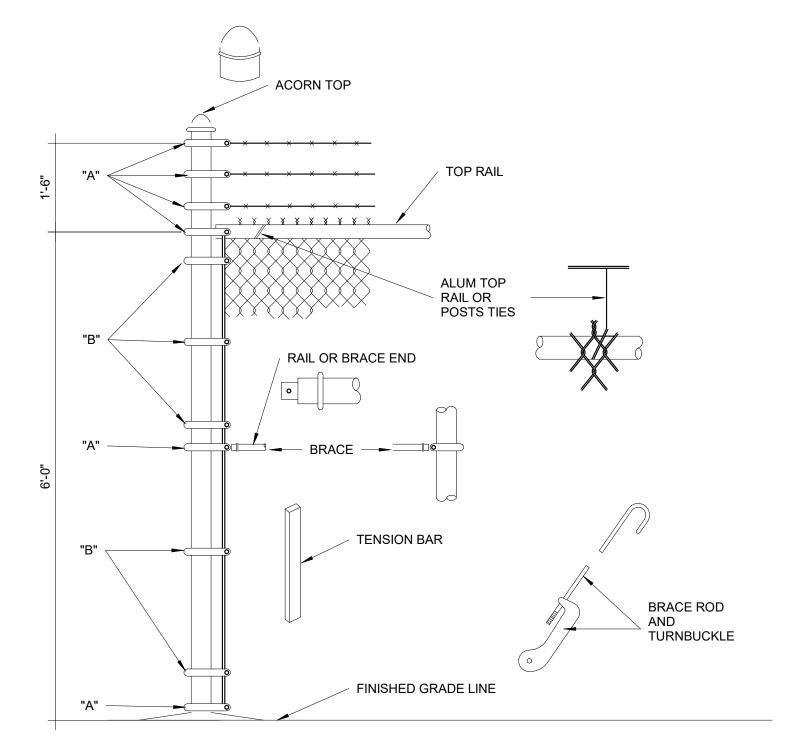
DOCK LAMINATED RUBBER BUMPERS

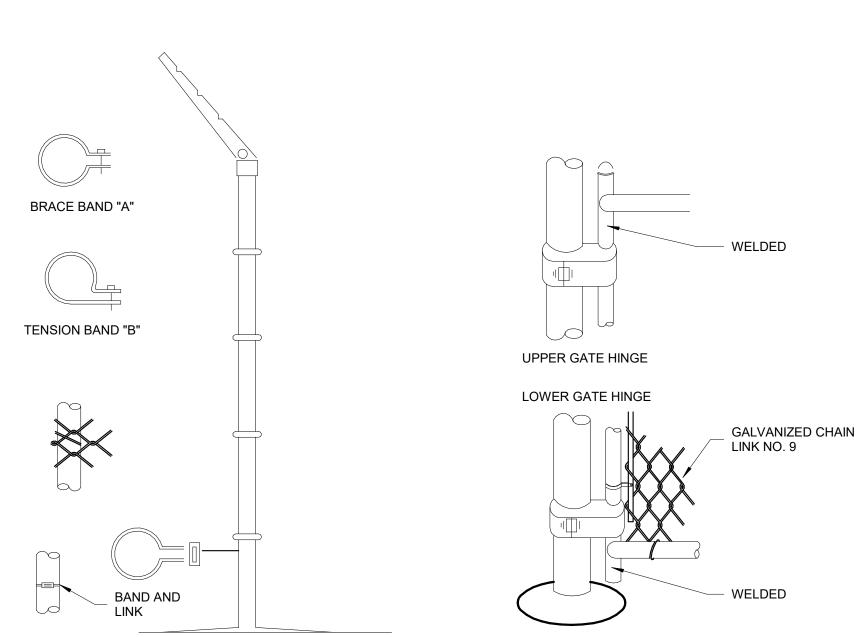
NEW 3 PLY SBS MODIFIED BITUMINOUS MEMBRANE DETAIL

INSTALLATION

INSTALLATION

MANUFACTURER

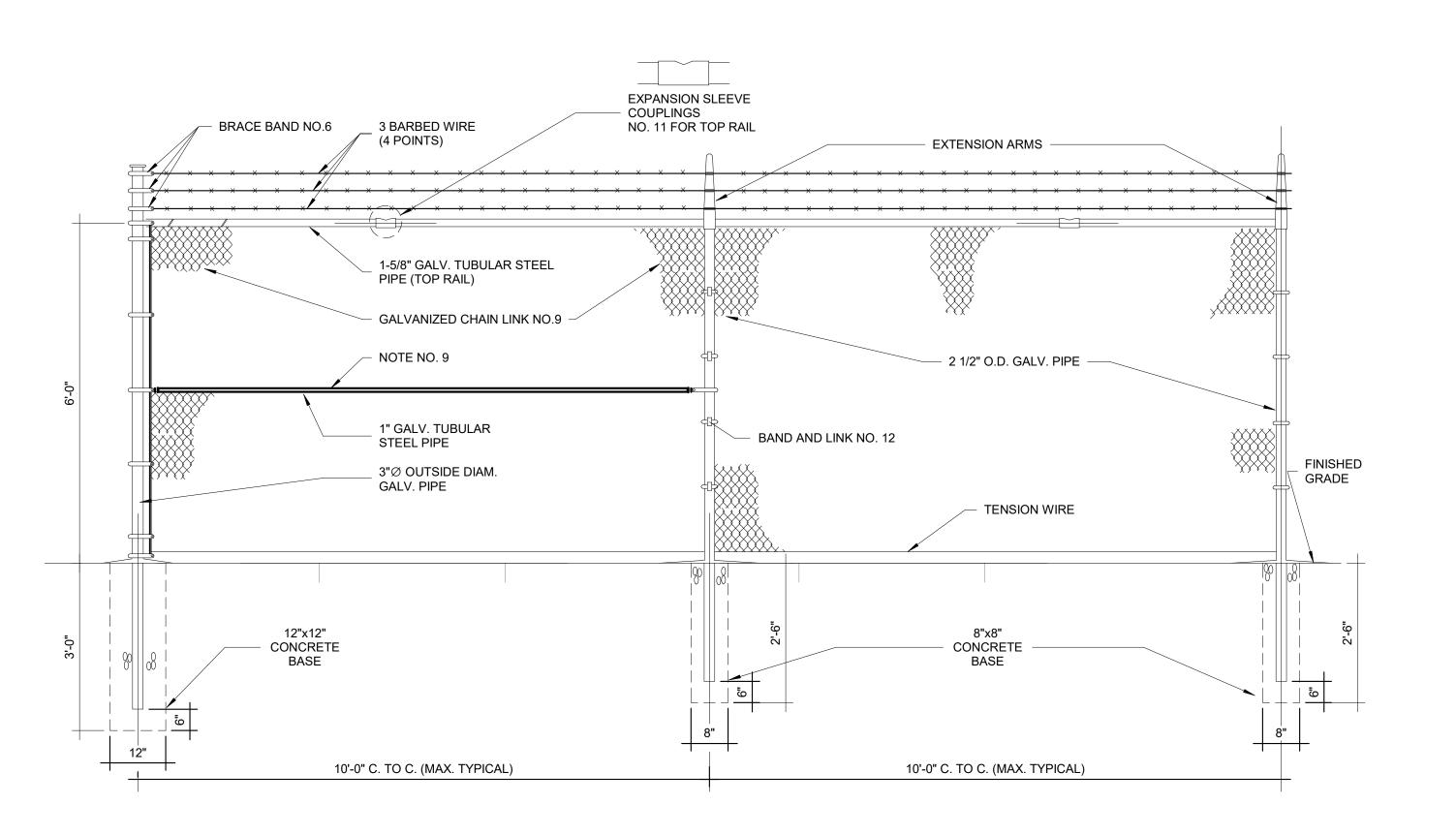




INSTALLATION DETAILS FOR CHAIN LINK FENCE & GATES

NOTES:

- 1. CHAIN LINK FENCE INDUSTRIAL TYPE NO.423
- 2. LINE POSTS 2 1/2" O.D. GALV. STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
- 3. TOP RAIL 1 5/8" O.D. GALV. STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
- 4. CORNER POST 3"Ø O.D. GALV. STD. WEIGHT PIPE 6.79 LBS. PER LIN. FT.
- 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 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.
- 10. ALL FITTINGS EXTRA HEAVY DUTY
- 11. MILL CERTIFICATE SHALL BE SUBMITTED.



CHAIN LINK FENCE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)





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FERNANDA DERROSSI PRINCIPAL CAD TECHNICIAN:

PROFESSIONAL'S STATEMENT:

YO, ANNETTE ALFONSO

____ NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE [CONFECCIONÓ, DISEÑÓ O PREPARÓ] ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN, CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. CERTIFICO, ADEMAS, QUE EN LAPREPARACIÓN 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; B 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 DESCONOCIMIENTO 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 OGPE.

PROJECT:

PRIDCO DAMAGE IMPROVEMENTS
EAST REGION STAGE 1
BID PACKAGE E1-3
PW: 7768 / HUMACAO

DATE	ISSUE DESCRIPTION
03/21/2024	ISSUED FOR BID
DRAWING IN	NFORMATION:

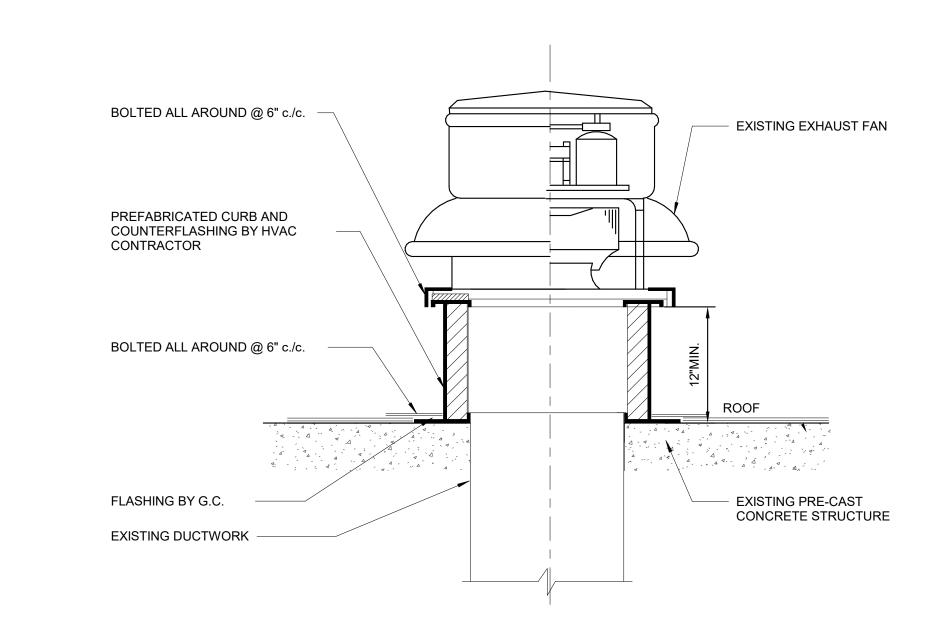
DETAILS AND SPECIFICATIONS / CIVIL & ENVIRONMENTAL DI219083

SCALE:

SHEET TITLE:

AS SHOWN

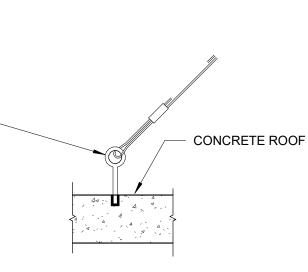
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03/21/2024	21-0258-01
PRINT DATE & TIME:	BIM FILE NAME:
4/15/2024 3:10:28 PM	
DRAWING / MODEL LOCATION:	



NEW EXHAUST FAN ROOF CURB DETAIL

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 HILTI HDI-P TZ DROP-IN ANCHOR OR SIMILAR QUANTITY OF ANCHORS SHAL BE DESIGN BASED ON CALCULATED TIE TENSION



FAN SHALL BE PROVIDED WITH

ATTACHEMENT TO ROOF SHALL BE DESIGNED AND SIGNED BY A LICENSED ENGINEER, AND SHALL BE SUBMITTED FOR APPROVAL.

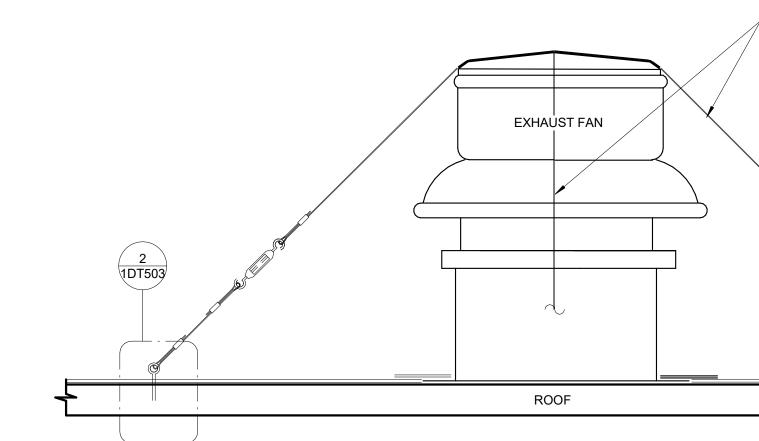
SEE SPECIFICATION 233416

(CENTRIFUGAL HVAC FANS).

HURRICANE TIE DOWNS.

HURRICANE TIE-DOWN

NEW EXHAUST FAN ROOF 2 TIE-DOWN ANCHOR DETAIL N.T.S.



NEW EXHAUST FAN ROOF TIE-DOWN

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ISSUED FOR BID

MARCH 21, 2024

	RE	V	DATE		DESCRIPTION
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	PRIM	E PRO	FESIONAL:		
			. = 0 0		

ANNETTE ALFONSO
STAFF DESIGNER:

GLORIBED RIVERA Q.C. AUDITOR:

FERNANDA DERROSSI PRINCIPAL CAD TECHNICIAN:

YO, ANNETTE ALFONSO

PROFESSIONAL'S STATEMENT:

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SCALE:

PRIDCO DAMAGE IMPROVEMENTS EAST REGION STAGE 1 BID PACKAGE E1-3 PW: 7768 / HUMACAO

DATE	ISSUE DESCRIPTION
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DRAWING IN	IFORMATION:
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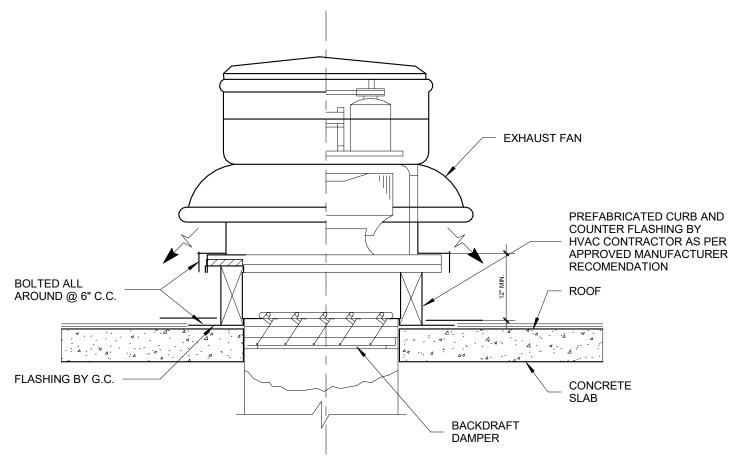
DETAILS AND SPECIFICATIONS / MECHANICAL DI219083

AS SHOWN

DELIVERY DATE: PROJECT NUMBER: 03/21/2024 21-0258-01

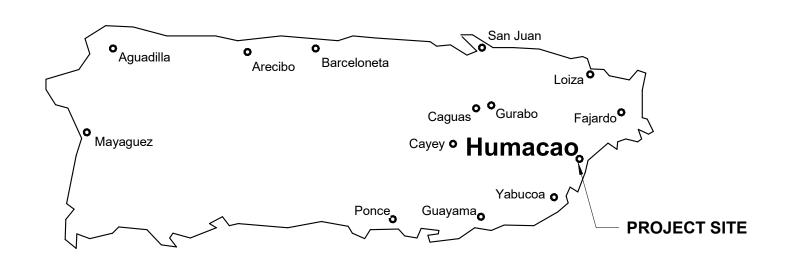
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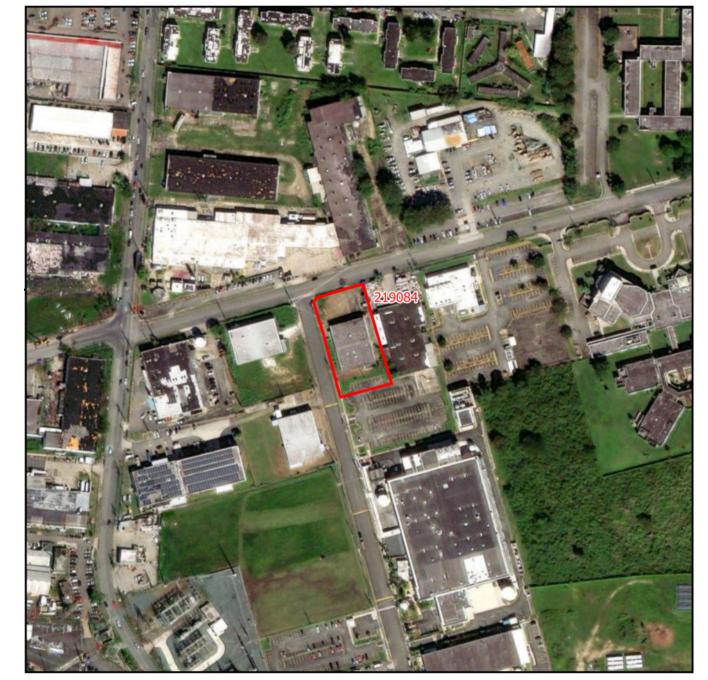


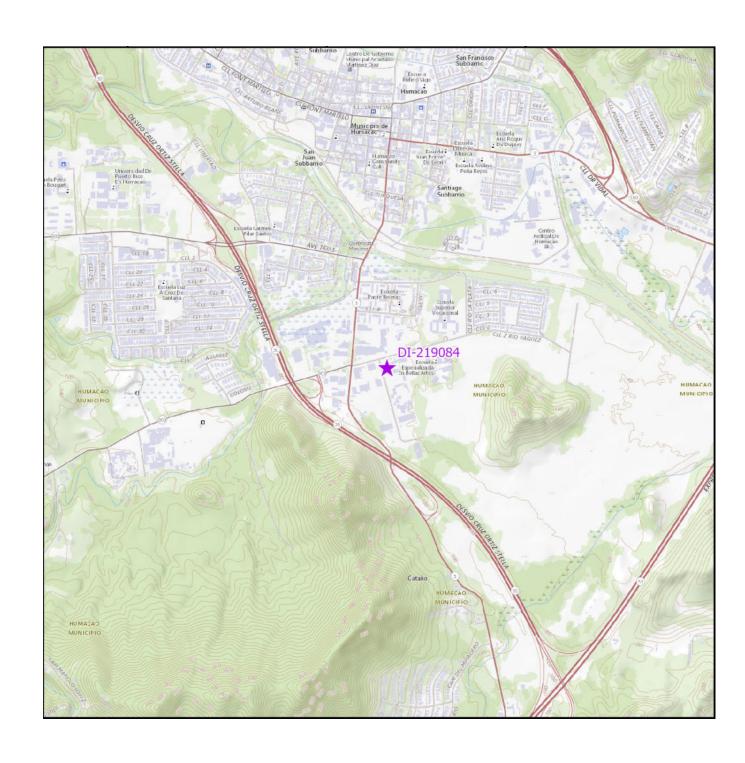
4 NEW EXHAUST FAN DETAIL

N.T.S.









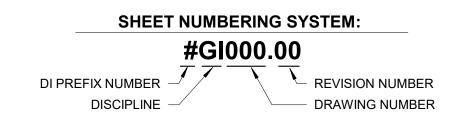
FLOOD MAP AERIAL PHOTO 18.139161, -65825615

LOCATION MAP SCALE 1: 20,000

PRIDCO-FEMA 4339 DR PROGRAM EAST REGION STAGE 1 BID PACKAGE E1-3

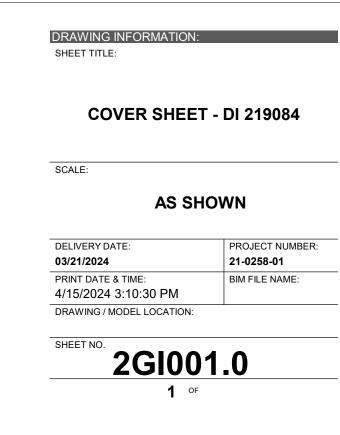
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CALLED FOR IN SAID CODES. COMPLY WITH APPLICABLE RULES AND REGULATIONS FOR OBTAINING NECESSARY AND REQUIRED INSPECTIONS, APPROVALS AND PERMITS NECESSARY TO PERFORM WORK AND SERVICES FOR THE PROJECT. EXECUTE WORK IN ACCORDANCE WITH THE BEST ACCEPTED 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

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 PROCEDING 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.

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 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

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

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 THROUGHT 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 THE DISTRICT ENGINEER OF LUMA PRIOR | 12. TO THE BEGINNING OF THE WORK AND COORDINATE WITH THEM FOR THE EXECUTION OF THE WORK CONCERNING THE SERVICE ENTRANCE AND SUBSTATION 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

THE PLUMBING DRAWING IS GENERALLY DIAGRAMATTIC 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 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 AP-ART 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

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,

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

THE CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER BEFORE CUTTING OR

FRIMMING 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.

SANITARY AND POTABLE WATER FOR APPROVAL OF THE CONSTRUCTION MANAGER.

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

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 | 8 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, 15TH 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

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 DESING SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER AUTHORIZED TO EXERCISE THE PROFESSION IN THE COMMOM 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

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.

<u>METAL DECK</u>

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 BEEXPOSED, DE-SLAG, CLEAN AND TOUCH UP WELDS WITH A ZINC-RICH

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 ATTACHMENTAND 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 COMPACTS 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:

1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.

2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.

3. 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:

EXISTING WALL NEW CONCRETE BLOCK WALL 6" OR 8" NEW PLYCEM BOARD WALL

COLUMNS

CONDITION BELOW, ABOVE OF BEHIND AS INDICATED.

- DETAIL REFERENCE NUMBER DETAIL REFERENCE SYMBO

 SHEET WHERE DETAIL IS DRAWN **ELEVATION REFERENCE NUMBER**

SHEET WHERE ELEVATION IS DRAWN

WALL SECTION REFERENCE NUMBER

INTERIOR ELVATION SYMBOL

SECTION REFERENCE NUMBER GENERAL BUILDING SECTION SHEET WHERE SECTION IS DRAW!

WALL SECTION SHEET WHERE WALL SECTION IS DRAWN SHEET WHERE INT. ELEV. IS DRAWN

ELEVATION REFERENCE NUMBER

AXIS SYMBO

NORTH ARROW

DOOR SYMBOL WINDOW SYMBO





REVISION SYMBOL

HANDICAPPED SYMBO



ABOVE FINISHED FLOOR AIR CONDITIONING ALUMINUM BOTTOM CENTER TO CENTER CONCRETE MASONRY UNIT CORROSION ELEVATION FLOOR DRAIN FINISH FLOOR ELEVATIONS FINISH FLOOR LEVEL FINISH(ED) HARDWARE HEIGHT JANITOR CLOSET MASONRY **MECHANICAL**

MOUNTED NOT IN CONTRACT NOT APPLICABLE ON CENTER **ROOF DRAIN** ROOM REQUIRED REVISION SMOOTH CEMENT PLASTER STAINLESS STEEL STORM SEWER

STRUCTURAL

TOP OF STEEL

TELEPHONE

DROP MANHOLE

MANHOLE VERIFY IN FIELD

TYPICAL

TOP OF MASONRY

UNLESS OTHERWISE NOTED

STRUCT

PUERTO RICO INDUSTRIAL DEVELOMENT COMPANY PRIDCO

ISSUED FOR BID

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WITHOUT WRITTEN CONSENT OF

CSA ARCHITECTS AND ENGINEERS.

MARCH 21, 2024

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		CIPLINE INFO	RIVIATION:
	PRIME	PROFESIONAL:	
	ANNE	TTE ALFONSO	
	PROF	ESSIONAL OF RECOR	D:
		TTE ALFONSO	
	STAF	F DESIGNER:	
	GLOR	IBED RIVERA	
	Q.C. A	AUDITOR:	
	FERN.	ANDA DERROSSI	
		CIPAL CAD TECHNICIAI	V:

YO. ANNETTE ALFONSO

PROFESSIONAL'S STATEMENT:

CERTIFICO QUE SOY EL PROFESIONAL QUE

[CONFECCIONÓ, DISEÑÓ O PREPARÓ] ESTOS PLANOS

Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN. CERTIFICO QUE ENTIENDO QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS. JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. CERTIFICO. ADEMAS. QUE EN LAPREPARACIÓN 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 ILEY NÚM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; R 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 DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS

PRIDCO DAMAGE IMPROVEMENTS **EAST REGION STAGE** BID PACKAGE E1-3

PW: 7768 / HUMACAO

PERSONAS CON MI CONOCIMIENTO, ME HACEN

DISCIPLINARIA POR LA OGPE

RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y

03/21/2024 ISSUED FOR BID DRAWING INFORMATION: SHEET TITLE:

GENERAL NOTES ABBREVIATIONS AND LEGEND

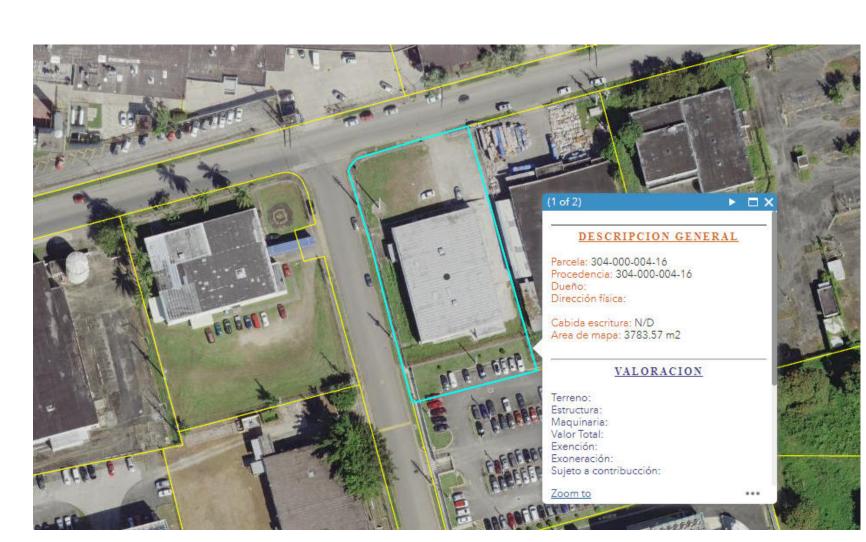
DELIVERY DATE PROJECT NUMBER: 03/21/2024 21-0258-01 PRINT DATE & TIME: BIM FILE NAME:

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4/15/2024 3:10:31 PM DRAWING / MODEL LOCATION:

SCALE

ID	TYPE OF DAMAGES	DESCRIPTION	DIMENSIONS	QUANTITY	DETAIL	TECHNICAL SPECIFICATION	РНОТ
1	PA - Public Assistance	Building Exterior, Replace Ventilator (1 missing bolt + dent cover), High Winds, High Driven Rain & Wind Blown Debris. Exhaust fan system shall be balanced to meet design or code requirements.	34 IN	1 EA	1 / 2DT502 2 / 2DT502 3 / 2DT502 4 / 2DT502	233416	
2	PA - Public Assistance	Building Exterior, Install new Roof Downspout.	10 FT long x 4 IN in diameter	10 LF	5 / 2DT501	-	
3	PA - Public Assistance	Building Interior, Replace Jalousie Aluminum Window. Window finish shall be baked enamel paint, factory applied, color to match adjacent windows. Seal windows jambs.	36 IN x 40 IN	1 EA	1 / 2DT501 2 / 2DT501	085113	
4	PA - Public Assistance	Building Exterior, 406 HMP When replacing the exhaust fans, add an anchoring system for each unit that will resist expected wind pressure during a similar event to prevent them from being overturned and damaged	-	1 EA	1 / 2DT502 2 / 2DT502 3 / 2DT502 4 / 2DT502	233416	
5	HM - Hazard Mitigation	Building Exterior, 406 HMP When replacing the downspouts, add a downspout band every 5 feet. Total of 1 extra downspout bands.	-	1 EA	5 / 2DT501	-	
6	AD - Additional Damages	Building Exterior, Replace Flat rolled asphalt waterproof membrane, 2-Ply Styrene butadienne Styrene (SBS) Modified Bituminous composite reinforced roofing system.	-	341 SF	3 / 2DT501 4 / 2DT501 6 / 2DT501 7 / 2DT501 8 / 2DT501	070150.19 075552.16	011
7	AD - Additional Damages	Building Exterior, Replace Flat rolled asphalt waterproof membrane, 2-Ply Styrene butadienne Styrene (SBS) Modified Bituminous composite reinforced roofing system.	-	11,250 SF	3 / 2DT501 4 / 2DT501 6 / 2DT501 7 / 2DT501 8 / 2DT501	070150.19 075552.16	
8	AD - Additional Damages	Building Interior, Replace Jalousie Aluminum Window. Replace the entire rack of windows next to damaged aluminum jalousie window from PA (item 3). Window finish shall be baked enamel paint, factory applied, color to match adjacent windows. Seal windows jambs.	36 IN x 40 IN	5 EA	1 / 2DT501 2 / 2DT501	085113	



AERIAL DI 219084
N.T.S.



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MARCH 21, 2024

	RE	V	DATE		DESCRIPTION
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			ESIONAL		DRMATION:

ANNETTE ALFONSO
STAFF DESIGNER: GLORIBED RIVERA
Q.C. AUDITOR:

FERNANDA DERROSSI PRINCIPAL CAD TECHNICIAN:

YO, ANNETTE ALFONSO

PROFESSIONAL'S STATEMENT:

NUM. LIC. 12304

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SCALE:

PRIDCO DAMAGE IMPROVEMENTS **EAST REGION STAGE 1 BID PACKAGE E1-3** PW: 7768 / HUMACAO

DAIL	1330E DESCIVII TION
03/21/2024	ISSUED FOR BID
DRAWING IN	NFORMATION:

SHEET TITLE:

SITE PLAN BUILDING S083406700 DI 219084

AS SHOWN

DELIVERY DATE: PROJECT NUMBER: 03/21/2024 21-0258-01 PRINT DATE & TIME: BIM FILE NAME: 4/15/2024 3:10:31 PM

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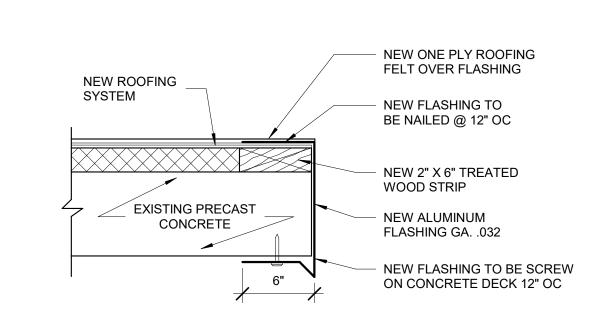
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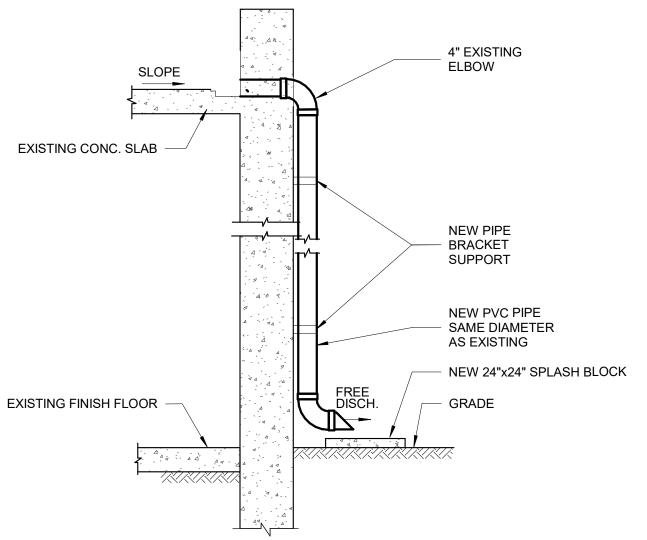
EXISTING FENCE TO REMAIN, TYP.

EXISTING SIDEWALK

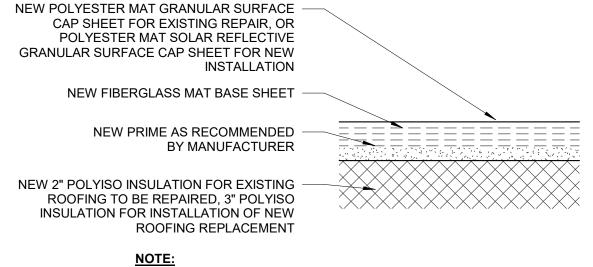
TO REMAIN, TYP.



NEW ALUMINUM FLASHING



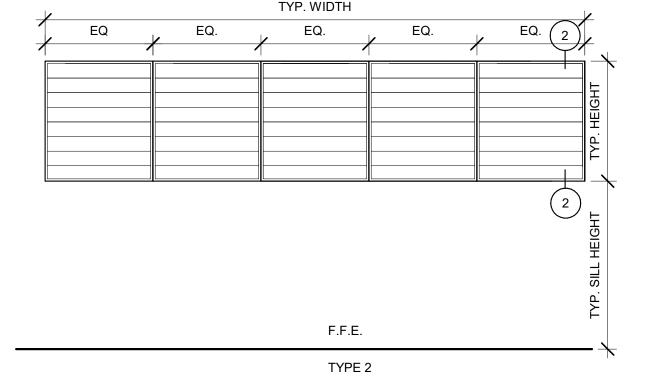
NEW SCUPPER DRAIN DETAIL-DOWNSPOUT ADAPTER NOT TO SCALE



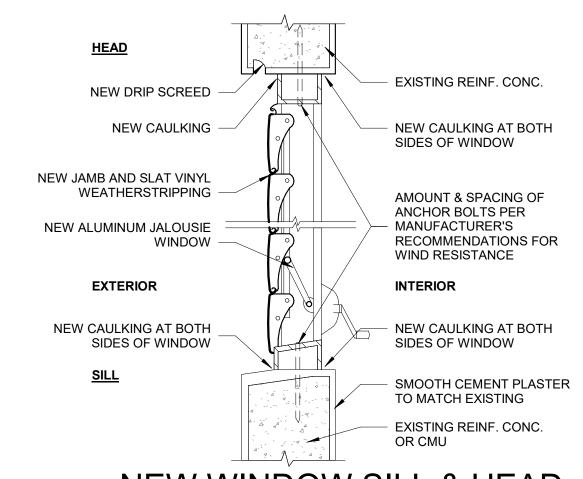
NOTE:
FOR REPAIR WORK INSTALLATION OF NEW MEMBRANE MUST BEGIN AT LOWER PORTION OF ROOF MOVE UP TOWARDS UPPER ROOF RIDGE. NEW MEMBRANE MUST OVERLAP AT LEAST 3'-0" FROM REPAIRED PATCH PORTION ON ALL SIDES. CONTRACTOR TO VERIFY IN FIELD.

NEW 2 PLY SBS BITUMINOUS MEMBRANE SECTION DETAIL

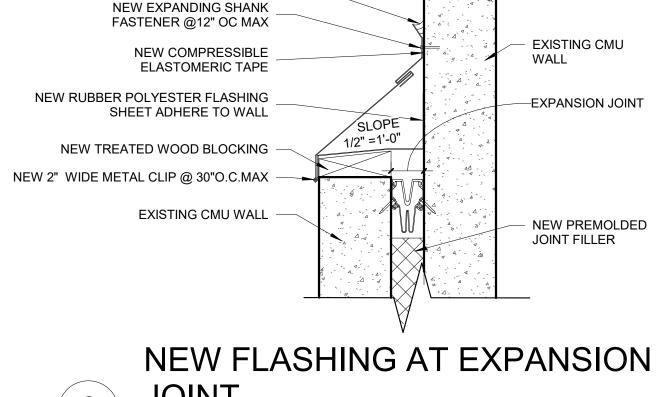
			WIN	NDOW TYF	PES			
	OPENI	NG SIZE			MATERIAL			
TYPE	WIDTH	HEIGHT	UNITS PER OPENING	SILL HEIGHT	WINDOW	FRAME		
2	15' - 0"	3' - 4"	5	4' - 8"	0.062-GAUGE MIAMI TYPE	ALUMINUM		
	EC		EQ.	TYP. WIDTH EQ.	EQ. EQ. (2		
		·	·			┿ ╗┾		



TYPICAL NEW WINDOW **ELEVATION**



NEW WINDOW SILL & HEAD DETAIL



EXISTING REINFORCED CONCRETE

NEW WALL PLASTER AND PAINT

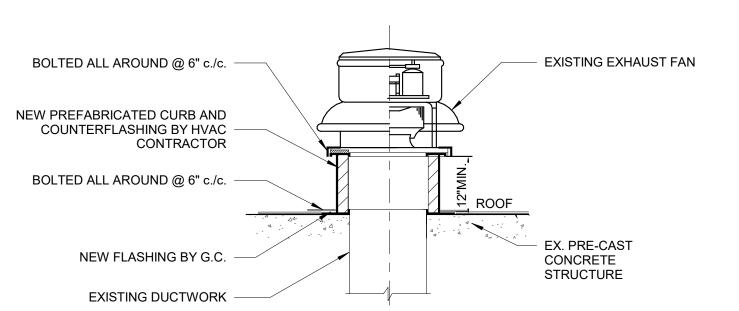
NEW SILICONE SEALANT

JOINT

-NEW METAL COPING ALUMINUM .040" (installed per manufacturer's/SMACNA guidelines) -EXISTING WALL (prime masonry surfaces) NEW FOIL CLAD, MODIFIED BITUMEN FINISH PLY -NEW LIGHTWEIGHT RANDOM FIBROUS GLASS MAT IMPREGNATED & COATED WITH HIGH-QUALITY SBS-MODIFIED BITUMEN & SURFACED WITH CERAMIC GRANULES. -NEW FIBERGLASS SCRIM/FIBERGLASS MAT COMPOSITE IMPREGNATED & COATED WITH HIGH QUALITY STYRENE-BUTADIENE STYRENE (SBS) MODIFIED BITUMEN. -NEW BASE PLY NEW NON-COMBUSTABLE CANT

> -REFER TO SBS MODIFIED BITUMINOUS MEMBRANE DETAIL ON THIS SHEET

NEW CAP FLASHING DETAIL



NEW EXHAUST FAN ROOF CURB DETAIL

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MARCH 21, 2024

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<u> </u>		DISCIPLINE INFORMATION:					
	PRIME	PRIME PROFESIONAL:					
	ANNE	ANNETTE ALFONSO					
	PROF	PROFESSIONAL OF RECORD:					
	ANNETTE ALFONSO						
	STAFF DESIGNER:						
	GLORIBED RIVERA						
	Q.C. AUDITOR:						
	FERN	FERNANDA DERROSSI					
	PRINCIPAL CAD TECHNICIAN:						

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DISCIPLINARIA POR LA OGPE.

PRIDCO DAMAGE IMPROVEMENTS EAST REGION STAGE BID PACKAGE E1-3 PW: 7768 / HUMACAO

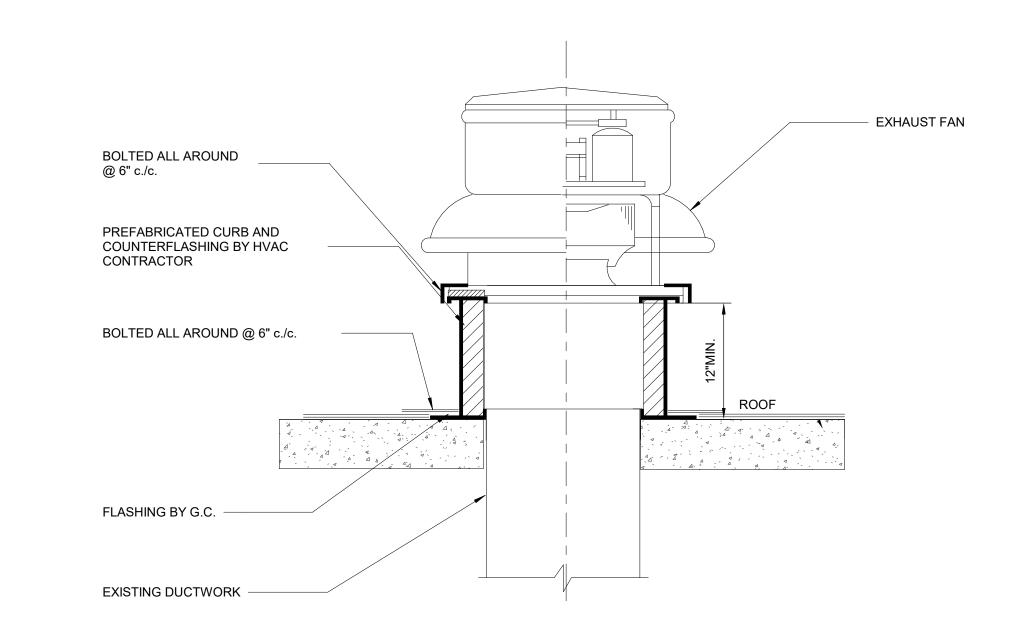
DATE	ISSUE DESCRIPTION
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DRAWING IN	NFORMATION:
SHEET TITLE:	

DETAILS AND SPECIFICATIONS / ARCHITECTURE DI219084

AS SHOWN

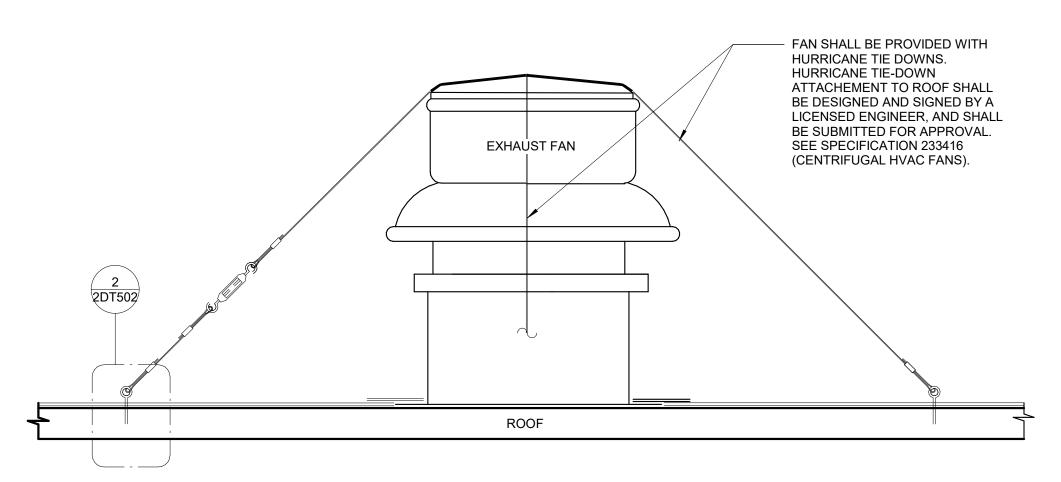
SCALE

DELIVERY DATE PROJECT NUMBER: 03/21/2024 21-0258-01 PRINT DATE & TIME: BIM FILE NAME: 4/15/2024 3:10:32 PM DRAWING / MODEL LOCATION:



EXHAUST FAN ROOF CURB **DETAIL** 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 HILTI HDI-P TZ DROP-IN ANCHOR OR SIMILAR QUANTITY OF ANCHORS SHAL BE DESIGN BASED ON CALCULATED TIE TENSION CONCRETE ROOF

EXHAUST FAN ROOF TIE-DOWN 2 ANCHOR DETAIL



EXHAUST FAN ROOF TIE-DOWN



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	RE	V	DATE	DESCRIPTION
DISCIPLINE			LINE INFO	RMATION:
PRIME PROFESIONAL:				<u> </u>

ANNETTE ALFONSO
PROFESSIONAL OF RECORD

ANNETTE ALFONSO
STAFF DESIGNER:

GLORIBED RIVERA Q.C. AUDITOR:

FERNANDA DERROSSI PRINCIPAL CAD TECHNICIAN:

PROFESSIONAL'S STATEMENT:

YO, ANNETTE ALFONSO

NUM. LIC. 12304

CERTIFICO QUE SOY EL PROFESIONAL QUE [CONFECCIONÓ, DISEÑÓ O PREPARÓ] ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN, CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO

CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. CERTIFICO, ADEMAS, QUE EN LAPREPARACIÓN 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;

B 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 DESCONOCIMIENTO 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 OGPE.

SCALE:

PRIDCO DAMAGE IMPROVEMENTS EAST REGION STAGE 1 BID PACKAGE E1-3 PW: 7768 / HUMACAO

DATE ISSUE DESCRIPTION 03/21/2024 ISSUED FOR BID

> **DETAILS AND SPECIFICATIONS / MECHANICAL DI219084**

AS SHOWN

DELIVERY DATE: PROJECT NUMBER: 03/21/2024 21-0258-01 PRINT DATE & TIME: BIM FILE NAME: 4/15/2024 3:10:32 PM DRAWING / MODEL LOCATION:

2DT502

BOLTED ALL AROUND @ 6" C.C.

FLASHING BY G.C. —

PREFABRICATED CURB AND COUNTER FLASHING BY HVAC CONTRACTOR AS PER APPROVED MANUFACTURER

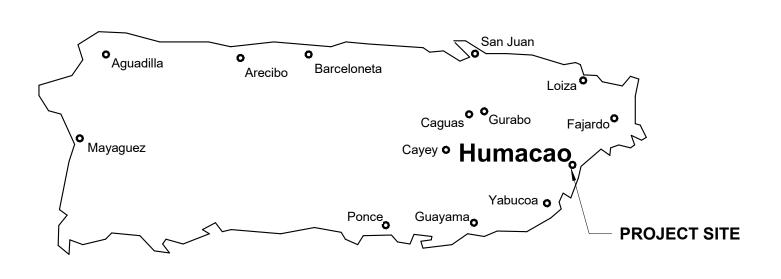
RECOMENDATION

CONCRETE

EXHAUST FAN

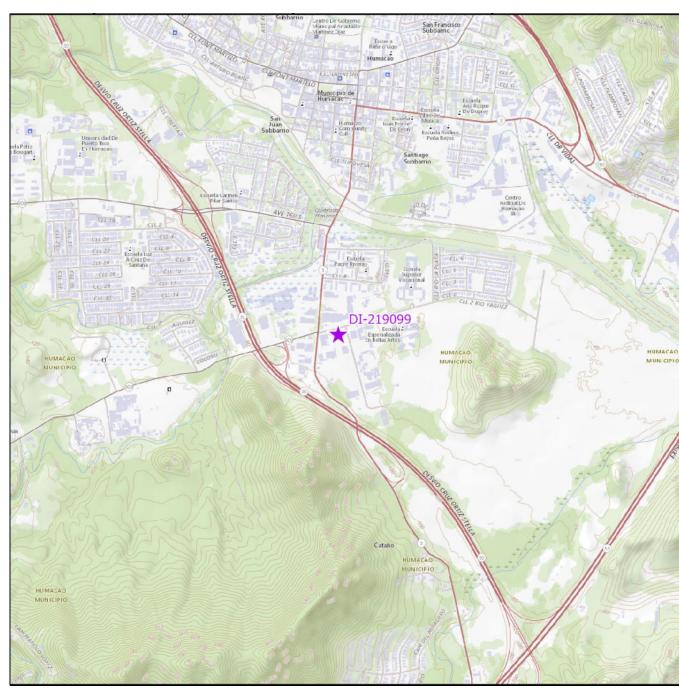
BACKDRAFT DAMPER

4 EXHAUST FAN DETAIL









FLOOD MAP 18.139177,-65.826337

LOCATION MAP SCALE 1: 20,000

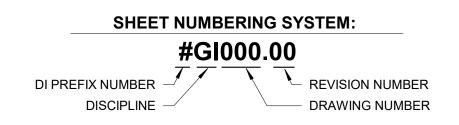
INDEX OF DRAWINGS - DI 219099				
Discipline	Sheet Number	Sheet Name	Current Revision	
00-GENERAL			1	
00-GENERAL	3GI001	COVER SHEET - DI 219099	0	
00-GENERAL	3GI002	GENERAL NOTES, ABBREVIATIONS AND LEGEND		
03-ARCHITECTURAL	•		•	
03-ARCHITECTURAL	3AE103	SITE PLAN BUILDING T070806500 DI 219099		
05-DETAILS			•	
05-DETAILS	3DT501	DETAILS AND SPECIFICATIONS / CIVIL & ENVIRONMENTAL DI219099		
05-DETAILS	3DT502	DETAILS AND SPECIFICATIONS / MECHANICAL DI219099		

PRIDCO-FEMA 4339 DR PROGRAM EAST REGION STAGE 1 BID PACKAGE E1-3

AERIAL PHOTO

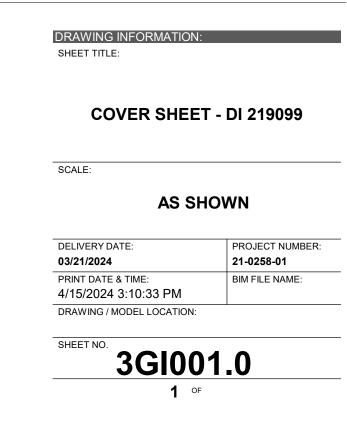
PW:7768 | DI:219099 | Bldg:T070806500

Carr. PR-3 Km. 85.6 Bo. Catano, Humacao, PR









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

THE PLUMBING DRAWING IS GENERALLY DIAGRAMATTIC 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 AP-ART 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

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

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

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

CONSTRUCTION MANAGER FOR APPROVAL AND COORDINATION.

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, 15TH 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

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 DESING SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER AUTHORIZED TO EXERCISE THE PROFESSION IN THE COMMOM 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.

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 BEEXPOSED, DE-SLAG, CLEAN AND TOUCH UP WELDS WITH A ZINC-RICH

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 ATTACHMENTAND 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):

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 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.

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:

1. WALKS - WITHIN 8 FEET VERTICALLY OF THE PROPOSED WALK ELEVATION.

2. PARKING AREAS - WITHIN 12 FEET VERTICALLY OF THE PROPOSED PARKING SURFACE ELEVATION.

3. 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:

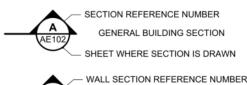
ABOVE FINISHED FLOOR EXISTING WALL AIR CONDITIONING ALUMINUM NEW CONCRETE BLOCK WALL 6" OR 8" BOTTOM CENTER TO CENTER NEW PLYCEM BOARD WALL CONCRETE MASONRY UNIT CORRIDOR CORROSION ELEVATION FLOOR DRAIN

BEHIND AS INDICATED DETAIL REFERENCE NUMBER SHEET WHERE DETAIL IS DRAWN

HIDDEN OUTLINE (SHOWIN

CONDITION BELOW, ABOVE OF

 ELEVATION REFERENCE NUMBER SHEET WHERE ELEVATION IS DRAWN



WALL SECTION - SHEET WHERE WALL SECTION IS DRAWN SHEET WHERE INT. ELEV. IS DRAWN

INTERIOR ELVATION SYMBOL



DOOR SYMBOL



EQUIPMENT SYMBOL LEVEL SYMBO



REVISION SYMBOL

HANDICAPPED SYMBO

FINISH FLOOR ELEVATIONS

FINISH FLOOR LEVEL

HARDWARE

INTERIOR

JANITOR CLOSET

NOT IN CONTRAC

NOT APPLICABLE

STAINLESS STEEL

STORM SEWER

STRUCTURAL

TOP OF STEEL

DROP MANHOLE

TELEPHONE

THICK

TYPICAL

MANHOLE VERIFY IN FIELD

T.O.M.

U.O.N

TOP OF MASONRY

SMOOTH CEMENT PLASTER

UNLESS OTHERWISE NOTED

MECHANICAL

MINIMUM

MOUNTED

ON CENTER

ROOF DRAIN

ROOM

REQUIRED

THIS DOCUMENT REPRESENTS THE IDEAS AND EFFORTS OF CSA ARCHITECTS AND ENGINEERS IT SHALL BE USED ONLY BY AUTHORIZED PERSONS AND SHALL NOT BE REPRODUCED OR EXHIBITED WITHOUT WRITTEN CONSENT OF CSA ARCHITECTS AND ENGINEERS.



ISSUED FOR BID

MARCH 21, 2024

C						
•	DISCIPLINE INFORMATION:					
	PRIME PROFESIONAL:					
	ANNETTE ALFONSO					
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	Q.C. AUDITOR:					
	EEDMANDA DEDDOOG					
	FERNANDA DERROSSI					
	PRINCIPAL CAD TECHNIC	AN:				

YO. ANNETTE ALFONSO

PROFESSIONAL'S STATEMENT:

CERTIFICO QUE SOY EL PROFESIONAL QUE [CONFECCIONÓ, DISEÑÓ O PREPARÓ] ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN. CERTIFICO QUE ENTIENDO QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. CERTIFICO. ADEMAS. QUE EN LAPREPARACIÓN 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 ILEY NÚM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; R 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 DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA

PRIDCO DAMAGE IMPROVEMENTS **EAST REGION STAGE** BID PACKAGE E1-3

PW: 7768 / HUMACAO

POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS

PERSONAS CON MI CONOCIMIENTO, ME HACEN

DISCIPLINARIA POR LA OGPE

RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y

03/21/2024 ISSUED FOR BID DRAWING INFORMATION: SHEET TITLE:

GENERAL NOTES ABBREVIATIONS AND LEGEND

DRAWING / MODEL LOCATION:

SCALE

DELIVERY DATE PROJECT NUMBER: 03/21/2024 21-0258-01 PRINT DATE & TIME: BIM FILE NAME: 4/15/2024 3:10:34 PM

3GI002

		CONSTRUCTION I	KEY NOTES S	CHEDULE (D	l-219099)		
ID	TYPE OF DAMAGES	DESCRIPTION	DIMENSIONS	QUANTITY	DETAIL	TECHNICAL SPECIFICATION	РНОТО
1	HM - Hazard Mitigation	Building Exterior, Roof 406 HMP When replacing the exhaust fans, add an anchoring system for each unit that will resist expected wind pressure during a similar event to prevent them from being overturned and damaged.	-	2 EA	1 / 3DT502 2 / 3DT502 3 / 3DT502 4 / 3DT502	233416	3
2	AD - Additional Damages	Building Exterior, Replace Exhaust system cap over. Exhaust fan system shall be balanced to meet design or code requirements	5 FT long x 5 FT wide	1 EA	1 / 3DT502 2 / 3DT502 3 / 3DT502 4 / 3DT502	233416	
3	AD - Additional Damages	Exterior Site, Replace 3-strands Barbed Wire (4-point). Replace broken sections of barbed wire and extension arms as necessary and install missing sections to complete the perimeter per PRIDCO standards.	-	190 LF	1 / 3DT501	323113	
4	AD - Additional Damages	Exterior Site, Replace Chain link fence, Ga. No. 9, Post - 2-1/2" inch diam galv., 3-strands Barbed Wire (4-point). Replace all broken sections of chain link fence as necessary to provide a stable installation in accordance with PRIDCO standards and FEMA HMP recommendations. Remove vegetation as necessary for perimeter fence installation.	30 LF long x 6 FT high	30 LF	1 / 3DT501	323113	Salt Salt







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MARCH 21, 2024

REV	DATE	DESCRIPTION
DISCIP PRIME PRO		DRMATION:

ANNETTE ALFONSO
PROFESSIONAL OF RECORD:

ANNETTE ALFONSO
STAFF DESIGNER:

GLORIBED RIVERA
Q.C. AUDITOR:

FERNANDA DERROSSI
PRINCIPAL CAD TECHNICIAN:

PROFESSIONAL'S STATEMENT:

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NUM. LIC. 12304

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PROJECT:

SCALE:

PRIDCO DAMAGE IMPROVEMENTS EAST REGION STAGE 1 BID PACKAGE E1-3 PW: 7768 / HUMACAO

RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

DATE	ISSUE DESCRIPTION
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DRAWING IN	FORMATION:
SHEET TITLE:	

SITE PLAN BUILDING

T070806500 DI 219099

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DELIVERY DATE:

03/21/2024

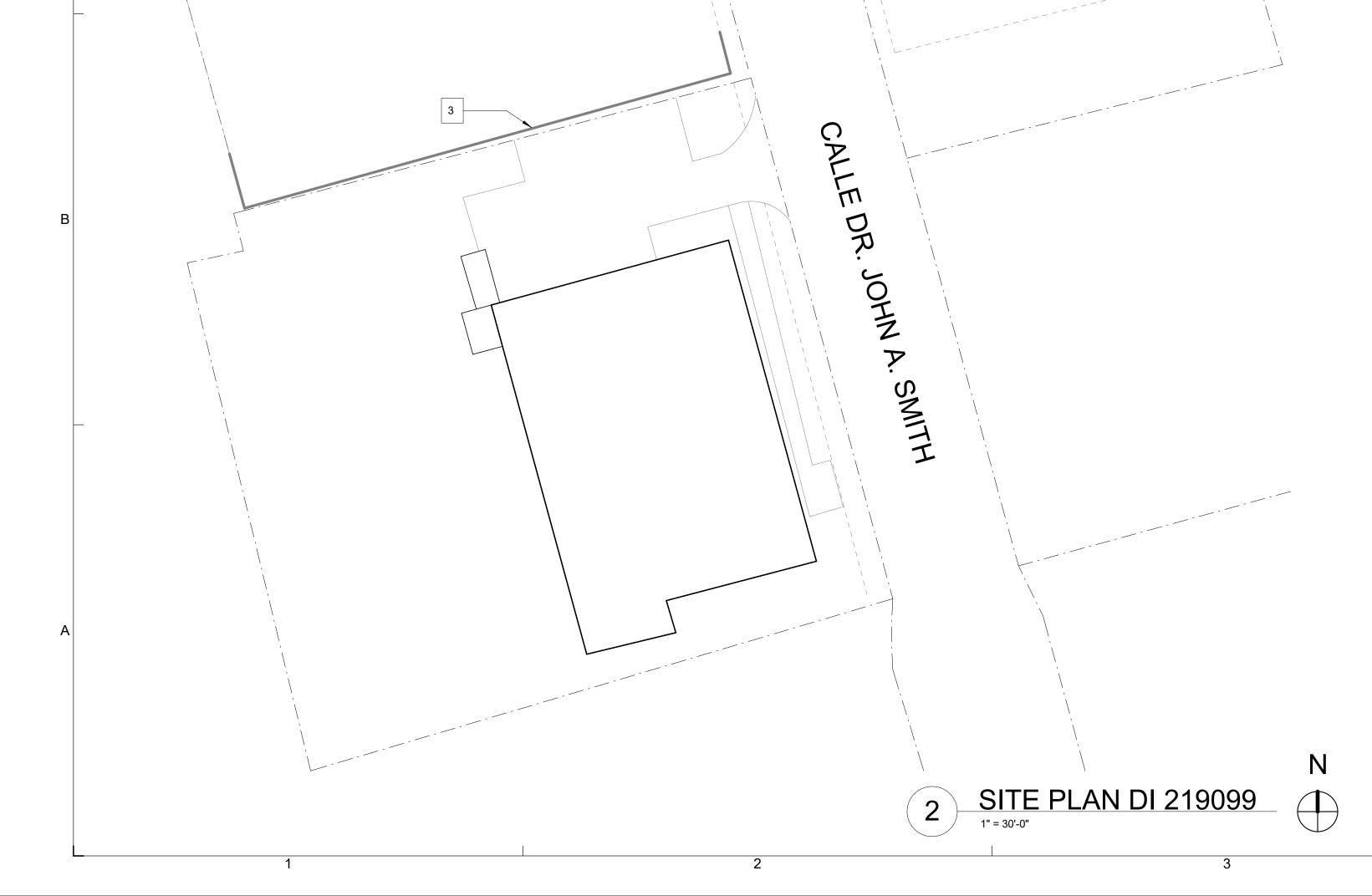
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PROJECT NUMBER:
21-0258-01

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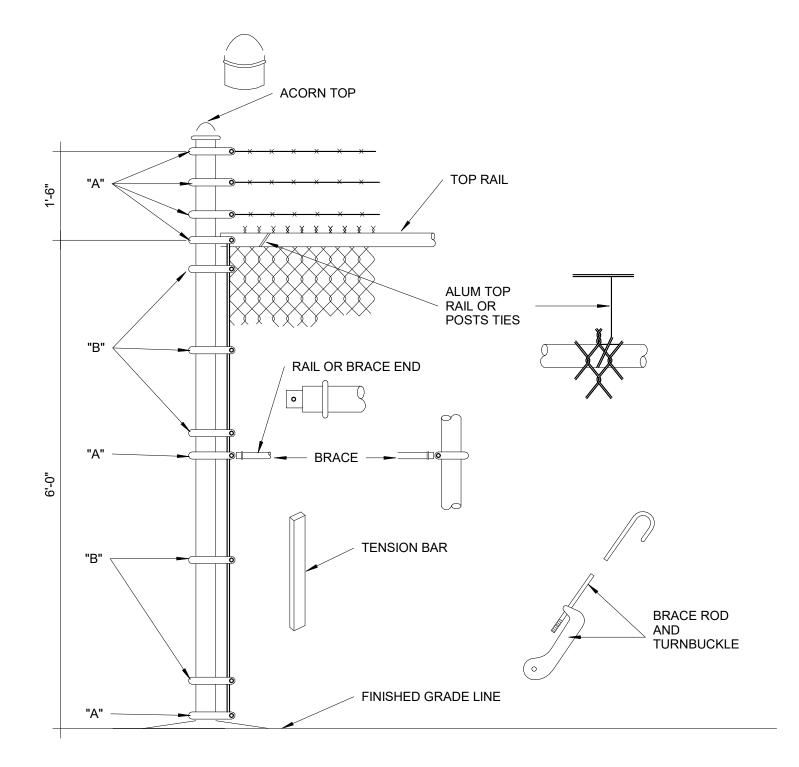
AV. INDUSTRIAL

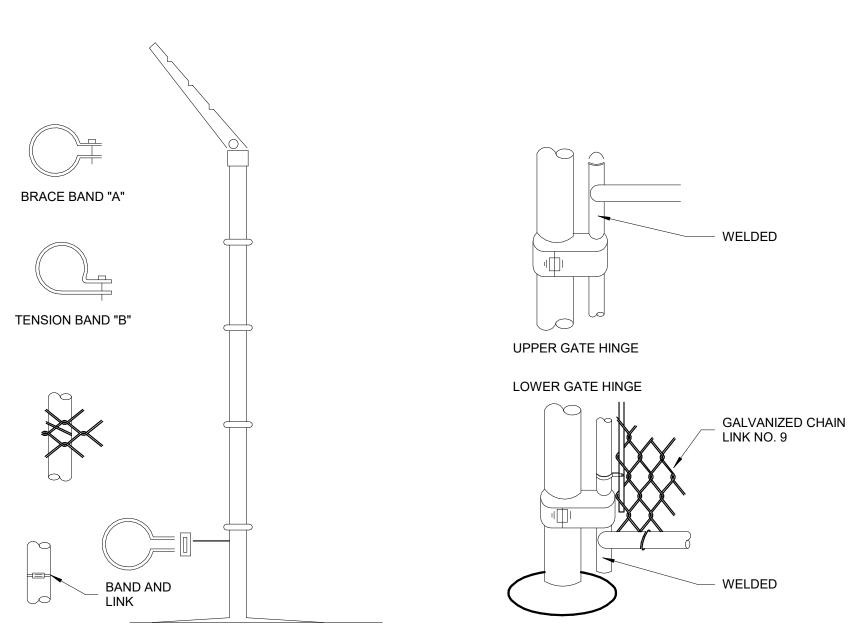
EXISTING FENCE

TO REMAIN, TYP., UON.

EXISTING SIDEWALK TO REMAIN, TYP.,

UON.

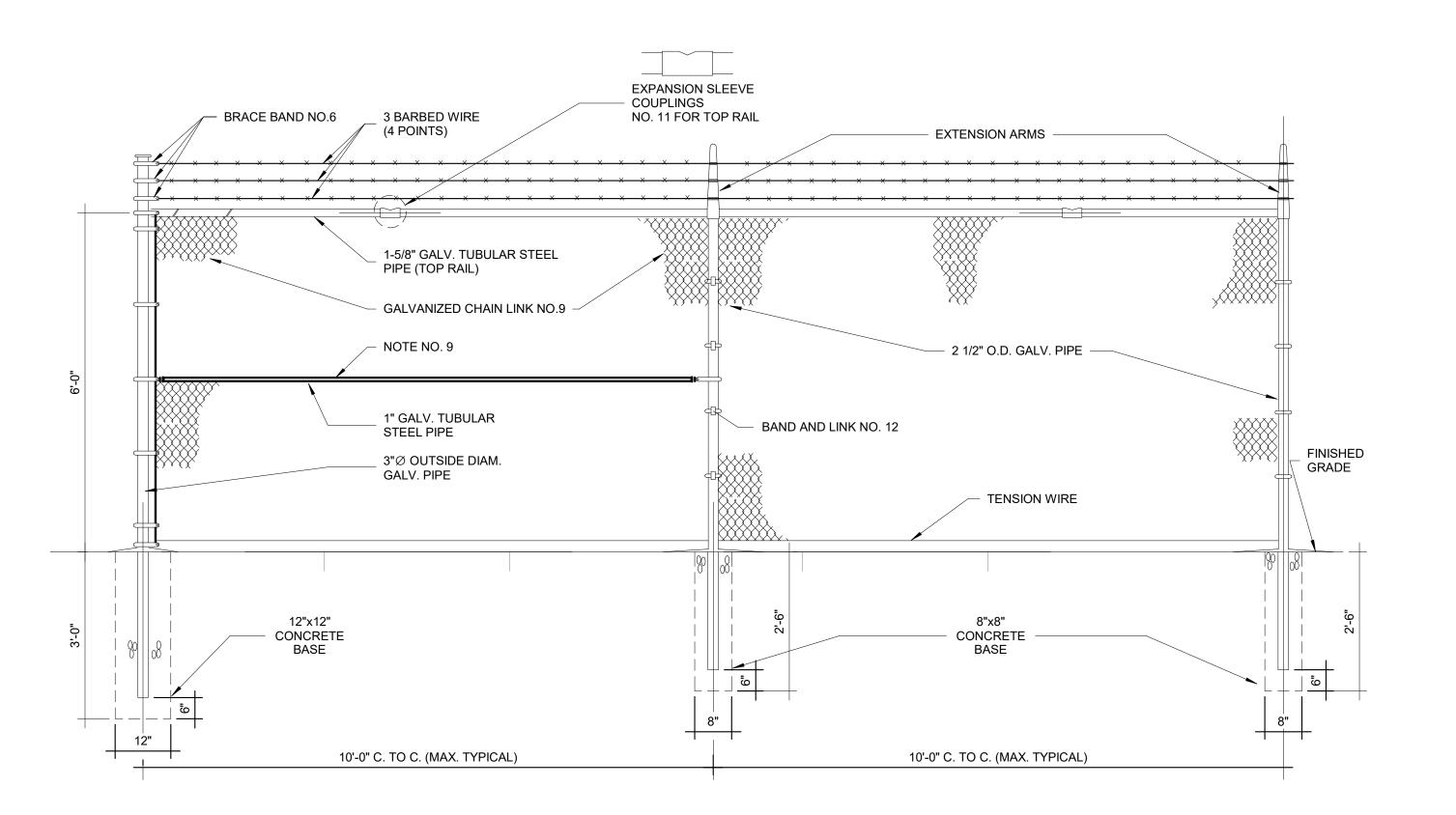




INSTALLATION DETAILS FOR CHAIN LINK FENCE & GATES

NOTES:

- 1. CHAIN LINK FENCE INDUSTRIAL TYPE NO.423
- 2. LINE POSTS 2 1/2" O.D. GALV. STD.WEIGHT PIPE-3.85 LBS. PER LIN. FT.
- 3. TOP RAIL 1 5/8" O.D. GALV. STD.WEIGHT PIPE-2.27 LBS. PER LIN. FT. (GATE FRAME IDEM.)
- 4. CORNER POST 3"Ø O.D. GALV. STD. WEIGHT PIPE 6.79 LBS. PER LIN. FT.
- 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 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.
- 10. ALL FITTINGS EXTRA HEAVY DUTY
- 11. MILL CERTIFICATE SHALL BE SUBMITTED.



CHAIN LINK FENCE PARTIAL ELEVATION (ALONG PROPERTY LIMITS)





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	E PROFESIONAL:			

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STAFF DESIGNER:

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DDO IFOT

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PRIDCO DAMAGE IMPROVEMENTS EAST REGION STAGE 1 BID PACKAGE E1-3 PW: 7768 / HUMACAO

PERSONAS CON MI CONOCIMIENTO, ME HACEN

RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y

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DETAILS AND SPECIFICATIONS /
CIVIL & ENVIRONMENTAL
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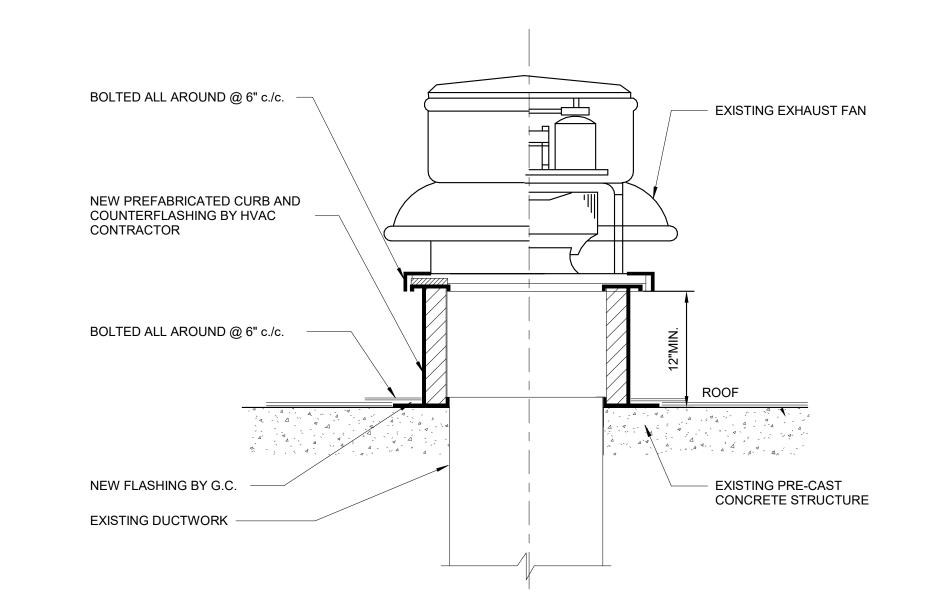
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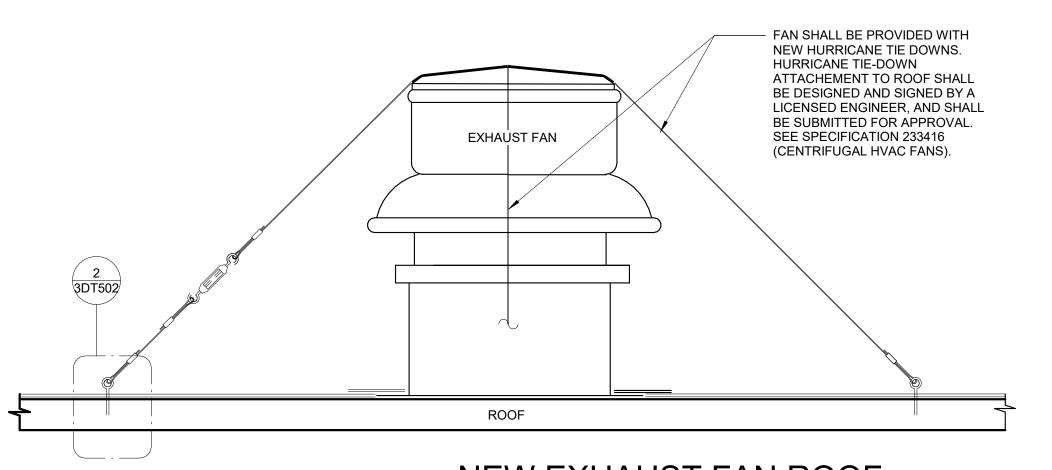
DRAWING / MODEL LOCATION:



NEW EXHAUST FAN ROOF CURB **DETAIL**

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

NEW EXHAUST FAN ROOF 2 TIE-DOWN ANCHOR DETAIL



NEW EXHAUST FAN ROOF TIE-DOWN

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