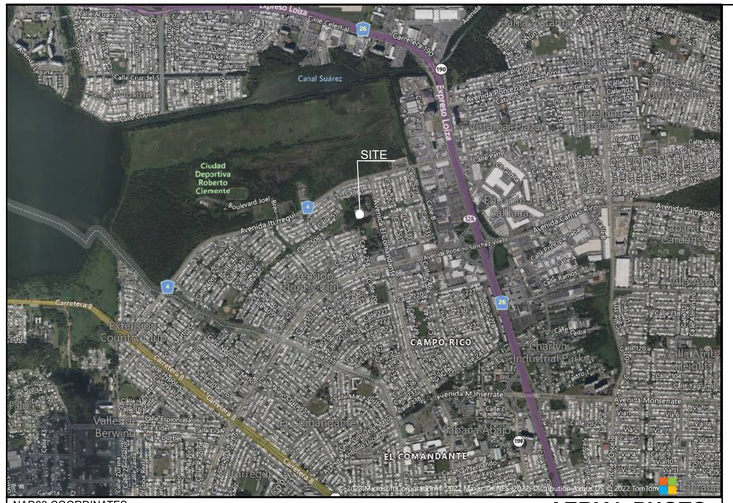
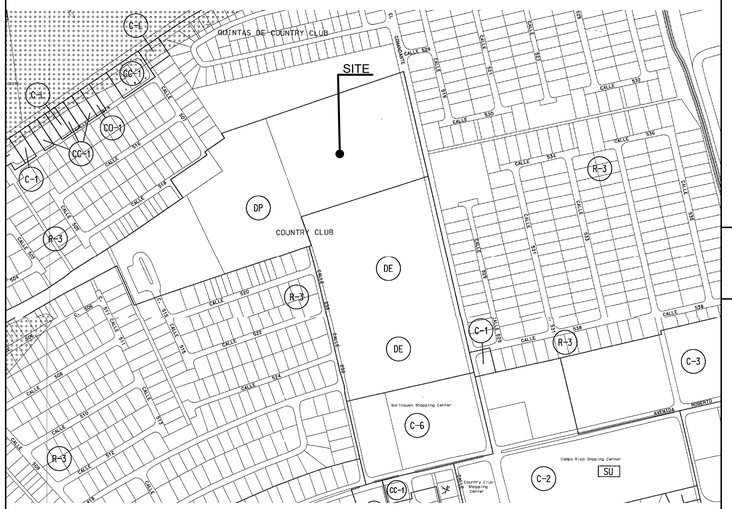


NAD83 COORDINATES
X=246,427.8413
Y=264,692.8548

AERIAL PHOTO
Microsoft Bing - 2022
NOT TO SCALE



FLOOD MAP
MAP No.: 72000C0390J
MAP EFFECTIVE DATE: NOVEMBER 18, 2009
NOT TO SCALE



ZONING MAP
CALIFICATION MAP / SHEET
NOT TO SCALE

CONSTRUCTION DRAWINGS FOR:

GIMNASIO MANUEL CARRASQUILLO HERPEN

CAROLINA, PUERTO RICO

INDEX OF DRAWINGS

DRAWING	TITLE
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C-06	DETAILS
C-07	DETAILS
C-08	LIGHTING FIXTURES DETAILS
C-09	DETAILS
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PROJECT INFORMATION

DESIGNER:

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OWNER:

DEPARTAMENTO DE RECREACION Y DEPORTES
GOBIERNO DE PUERTO RICO

OWNER

DRD
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CONSULTANT

Fractal Engineering, PSC

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CERTIFICATION

YO, ING. DOEL F. MUÑIZ RIVERA, NUMERO DE LICENCIA 26820, 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 JURISDICCIÓN. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM.14 DE 8 DE ENERO DE 2004; SEGÚN ENMENDADA, CONOCIDA COMO LS "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA [LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NUM. 96 DE 8 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE]. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

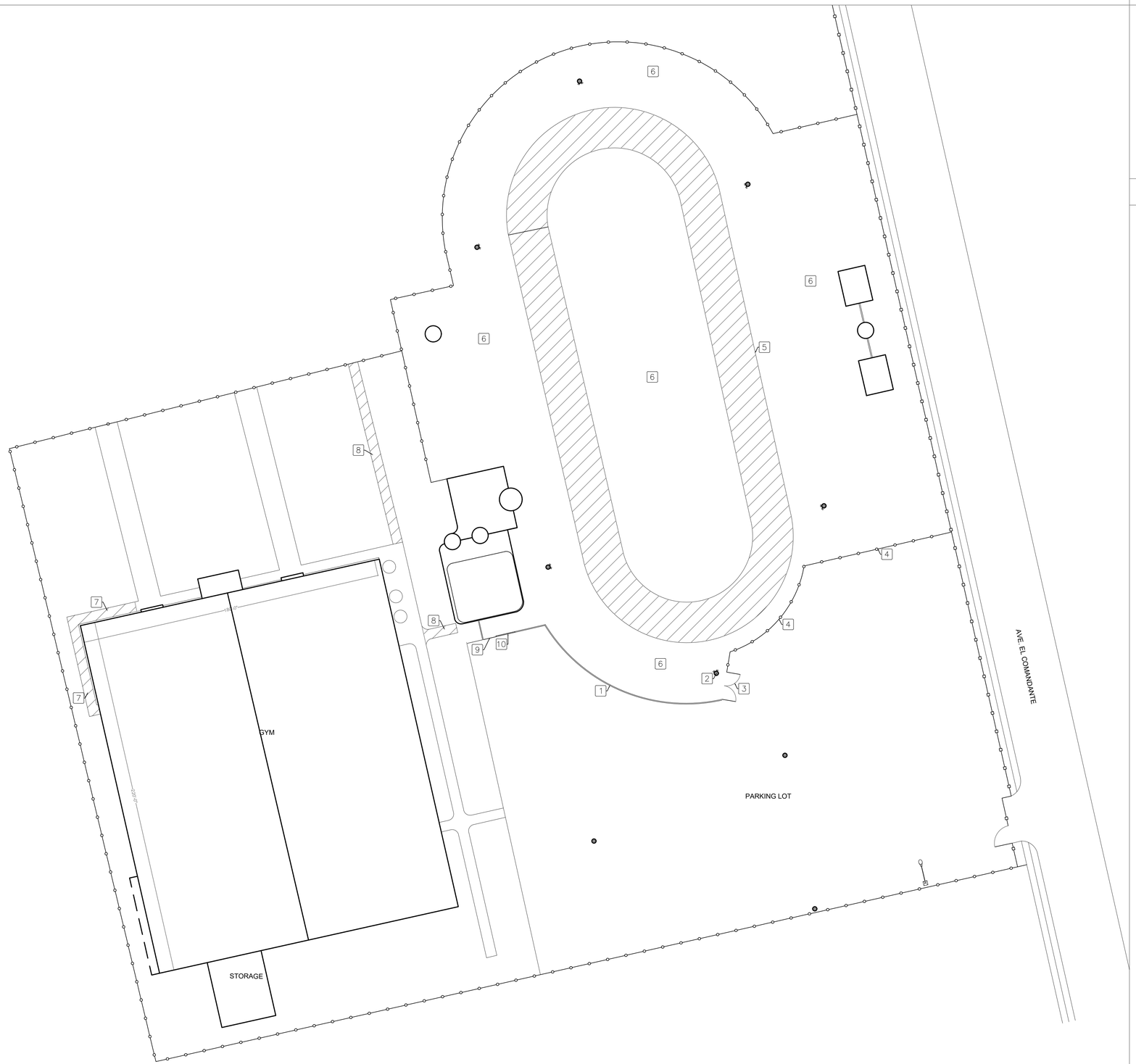
TITLE SHEET, MAP & INDEX OF DRAWINGS

DESIGNED BY:	D.MUÑIZ
DRAWING BY:	L.RIVERA
CHECKED BY:	D.MUÑIZ
DATE:	6/28/2023
SCALE:	AS SHOWN

DRAWING ID
T-01

SHEET
1 OF XX

DEMOLITION PLAN:



N

DEMOLITION PLAN
SCALE: 1/32" = 1'-0"

1/32" = 1'-0" 0 10' 20' 40' 60' 80' 100' 120'

SYMBOLS LEGEND:

- CONCRETE PAD AREA TO BE DEMOLISHED
- CONCRETE SIDEWALK
- EXISTING TREE
- METAL LIGHT POLE
- CONCRETE LIGHT POLE
- CHAIN LINK FENCE
- IRON FENCE

DAMAGE DESCRIPTION:

PROPOSED WORK:

1. DEMOLISH 1,000 SF OF CONCRETE CINDER BLOCK WALL.
2. DEMOLISH ATHLETIC LIGHT POLE, 35' HIGH.
3. DEMOLISH 102 SF OF CHAIN LINK FENCE GATE, 17' LONG x 6' HIGH.
4. DEMOLISH 1,080 SF OF CHAIN LINK FENCE GATE, 180' LONG x 6' HIGH.
5. DEMOLISH 18,574 SF OF EXISTING CONCRETE PAD AREA.
6. CLEAR 61,300 SF VEGETATIVE MATERIAL.
7. DEMOLISH AND REPLACE 668 SF OF CONCRETE SIDEWALK, 6 FT WIDE
8. DEMOLISH 818 SF OF CONCRETE SIDEWALK, 6 FT WIDE
9. REMOVE CHAIN LINK FENCE GATE, 6' FT WIDE
10. DEMOLISH 112 SF OF CMU WALL, 14' FT WIDE BY 8' FT HIGH

OWNER

DRD
DEPARTAMENTO DE RECREACIÓN Y DEPORTES

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PUERTO RICO

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PROJECT

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

DEMOLITION PLAN

DESIGNED BY:	D.MUÑIZ
DRAWING BY:	P.RESTO
CHECKED BY:	D.MUÑIZ
DATE:	1/18/2024
SCALE:	AS SHOWN

DRAWING ID
D-01

SHEET
3 OF XX

GENERAL DEMOLITION NOTES

HEALTH, SAFETY & WELFARE

1. TO TAKE THE NECESSARY PRECAUTIONS DURING DEMOLITION AND CONSTRUCTION TO PROTECT AND MAINTAIN THE INTEGRITY AND OPERATION OPERATION OF EXISTING OR TEMPORARY LIFE SAFETY AND EMERGENCY EGRESS AREAS AND SYSTEMS AS REQUIRED BY LOCAL BUILDING CODES
2. VERIFY WITH THE ARCHITECT ANY EXISTING SECURITY ITEMS TO BE REMOVED AND RE-USED, RE-INSTALLED AS DIRECTED.
3. THE CONTRACTORS ARE RESPONSIBLE FOR THE REMOVAL OF ALL DEMOLITION AND CONSTRUCTION DEBRIS GENERATED FROM WORK, TAKING CARE TO PREVENT OVERLOADING OF FLOOR ASSEMBLY AND PROTECTION OF ADJACENT EXISTING CONSTRUCTION.
4. DURING DEMOLITION, TAKE ALL PRECAUTIONS NECESSARY TO PREVENT STRUCTURAL AND OTHER DAMAGE TO THE SURROUNDING BUILDINGS EXISTING WALLS AND FINISHES.
5. ALL ITEMS INDICATED TO BE REMOVED AND ITEMS NOT INDICATED TO BE RE-USED SHALL BE DISPOSED OF PROPERLY AS AGREED UPON AND DIRECTED BY OWNER OR THEIR AGENT.

GENERAL CONDITIONS

1. VISIT THE JOB SITE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING ANY WORK. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE OF ANY DISCREPANCIES FOR RESOLUTION OF THE ISSUE(S) PRIOR TO THE BEGINNING OF ANY WORK. PROCEEDING IS ACCEPTED BY ARCHITECT.

2. THE CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL INCLUSIVE. IT IS CONTRACTOR RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA AND TO FULFILL THE INTEND OF THE DESIGN INDICATED BY THE CONTRACTOR DOCUMENTS.

3. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS WITH THE CONTRACT LIMIT AND NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS OR ITEMS NOT COVERED.

4. ALL DEMOLITIONS SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. A FIRE WATCH SHALL BE PROVIDED IF ANY HAZARDOUS SITUATIONS ARE THOUGHT TO BE POSSIBLE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION FOR POLLUTION CONTROL. THOROUGHLY CLEAN AT ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION WORK.

5. PROVIDE TEMPORARY PARTITIONS / DUST PROTECTION (RATED AND/OR NONRATED) AS REQUIRED, REVIEW LOCATION OF TEMPORARY PARTITIONS / DUST PROTECTION WITH OWNER AND ARCHITECT PRIOR TO START OF WORK.

6. HAZARDOUS MATERIAL NOTE: CONTRACTOR SHALL STOP WORK AND INFORM OWNER IMMEDIATELY IN WRITING HAZARDOUS MATERIAL ENCOUNTERED OR THOUGHT TO BE HAZARDOUS MATERIAL. THE OWNER AFTER RECEIVING WRITTEN NOTICE SHALL INSTRUCT CONTRACTOR ON HOW TO PROCEED.

GENERAL NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE EXPRESSED IN FEET, UNLESS OTHERWISE NOTED.

2. PLAN WAS PREPARED USING SATELLITE IMAGERY.

3. EXISTING TREES WITHIN THE PROPERTY AREA TO REMAIN.

4. CONTRACTOR IS RESPONSIBLE ON TAKING NECESSARY PRECAUTION AND FOLLOWING LOCAL REGULATIONS (PREPA/LUMA) PROCEDURES WHEN PERFORMING ELECTRICAL WORK.

ENVIRONMENTAL HISTORICAL PRESERVATION NOTES:

1. IF GROUND DISTURBING ACTIVITIES OCCUR DURING CONSTRUCTION, APPLICANT WILL MONITOR GROUND DISTURBANCE AND IF ANY POTENTIAL ARCHAEOLOGICAL RESOURCES ARE DISCOVERED, WILL IMMEDIATELY CEASE CONSTRUCTION IN THAT AREA AND NOTIFY THE STATE AND FEMA.

2. EXECUTIVE ORDER 11990 - WETLANDS: THE CONTRACTOR MUST ENSURE BEST MANAGEMENT PRACTICES ARE IMPLEMENTED TO PREVENT EROSION AND SEDIMENTATION TO SURROUNDING, NEARBY OR ADJACENT WETLANDS. TO ENSURE THAT WETLANDS ARE NOT ADVERSELY IMPACTED, CLEAN WATER ACT AND EXECUTIVE ORDER 119900, EQUIPMENT STORAGE AND STAGING OF CONSTRUCTION MATERIALS AND MACHINERY MUST BE IN A LOCATION THAT WOULD PREVENT EROSION AND SEDIMENTATION.

3. ENDANGERED SPECIES ACT (ESA): THE APPLICANT MUST PROVIDE DOCUMENTATION AT CLOSE-OUT THAT PROVES COMPLETION OF REQUIRED CONSERVATION MEASURES. CONDITIONS FOR PUERTO RICAN BOA.
   - 3.1. INFORM ALL PERSONNEL ABOUT THE POTENTIAL PRESENCE OF THE PR BOA AND THE VI BOA I N AREAS WHERE THE PROPOSED WORK WILL BE CONDUCTED. PHOTOGRAPHS OF THE PR AND VI BOA ARE TO BE PROMINENTLY DISPLAYED AT THE SITE. THIS MEASURE WILL BE CONDUCTED I N ACCORDANCE WITH THE FEMA/USFWS/DNER-APPROVED SOP FOR EMPLOYEE BOA AWARENESS TRAINING AND PROJECT SITE PREPARATION.
   - 3.2. TRAIN PROJECT PERSONNEL ON THE IDENTIFICATION AND HANDLING OF SNAKES SO THEY CAN BE AVAILABLE TO RESPOND TO SIGHTINGS AND AS NECESSARY SAFELY HANDLE BOAS FOUND AT PROJECT SITES. VERIFY WITH THE PUERTO RICO DNER IF A PERMIT IS NEEDED FOR SNAKE HANDLING AND/OR RELOCATION ACTIVITIES. THIS MEASURE WILL BE CONDUCTED I N ACCORDANCE WITH THE FEMA/USFWS/DNER-APPROVED SOP FOR EMPLOYEE BOA AWARENESS TRAINING AND PROJECT SITE PREPARATION. ALTERNATIVELY, BIOLOGICAL PROFESSIONALS CAN BE HI RED FOR THIS TASK.
   - 3.3. PRIOR TO ANY CONSTRUCTION ACTIVITY, INCLUDING REMOVAL OF VEGETATION AND EARTH MOVEMENT, THE CONTRACTOR-DELINEATED BOUNDARIES OF THE PROJECT AREA, THE BUFFER ZONES, AND AREAS TO BE EXCLUDED AND PROTECTED SHOULD BE CLEARLY MARKED I N THE PROJECT PLAN AND IN THE FIELD TO AVOID FURTHER HABITAT DEGRADATION INTO FORESTED AREAS. ONCE AREAS ARE CLEARLY MARKED, AND PRIOR TO ANY CONSTRUCTION ACTIVITY, INCLUDING SITE PREPARATION, PERSONNEL TRAINED IN BOA IDENTIFICATION MUST SURVEY THE AREAS TO BE CLEARED TO ENSURE THAT NO BOAS ARE PRESENT WITHIN THE WORK AREA. VEHICLE AND EQUIPMENT OPERATION MUST REMAIN ON DESIGNATED ACCESS ROADS/PATHS AND WITHIN RI GHTS-OF THIS MEASURE WILL BE CONDUCTED I N ACCORDANCE WITH THE FEMA/USFWS/DNER-APPROVED SOP FOR EMPLOYEE BOA AWARENESS TRAINING AND PROJECT SITE PREPARATION. ALTERNATIVELY, BIOLOGICAL PROFESSIONALS CAN BE HIRED FOR THIS TASK.
   - 3.4. IF BOAS ARE FOUND WITHIN ANY OF THE WORKING OR CONSTRUCTION AREAS, ACTIVITIES SHALL STOP I N THE AREA WHERE BOAS ARE FOUND. BOAS MUST BE SAFELY CAPTURED AND RELOCATED AT LEAST 1 KM FROM PROJECT, WITHIN SUITABLE FORESTED HABITAT, AND AWAY FROM CONSTRUCTION AREAS AND ROADS. RELOCATION OF BOAS SHALL BE DONE BY TRAINED AND DESIGNATED PERSONNEL AND SHALL NOT HARM OR INJURE CAPTURED BOAS. ACTIVITIES AT OTHER WORK SITES, WHERE NO BOAS HAVE BEEN FOUND AFTER SURVEYING THE AREA, MAY CONTINUE. IF IMMEDIATE RELOCATION IS NOT AN OPTION, PROJECT-RELATED ACTIVITIES AT THIS AREA MUST STOP UNTIL THE BOA MOVES OUT OF HARM'S WAY ON ITS OWN. ANOTHER OPTION I S TO CALL DNER RANGERS FOR SAFE CAPTURE AND RELOCATION (DNER PHONE #'S: 787-724-5700, 787230-5550, 787-771-1124). THIS MEASURE WILL BE CONDUCTED I N ACCORDANCE WITH THE FEMA/USFWS/DNER-APPROVED SOP FOR EMPLOYEE BOA AWARENESS TRAINING AND PROJECT SITE PREPARATION. ALTERNATIVELY, BIOLOGICAL PROFESSIONALS CAN BE HI RED FOR THIS TASK.
   - 3.5. ANY HEAVY MACHINERY LEFT ON SITE (IN STAGING) WITHIN 50 METERS OF FOREST VEGETATION NEEDS TO BE THOROUGHLY INSPECTED EACH MORNING BEFORE WORK STARTS TO ENSURE THAT NO BOAS ARE SHELTERED WITHIN ENGINE COMPARTMENTS OR OTHER AREAS OF THE EQUIPMENT. IF BOAS ARE FOUND WI THIN VEHICLES OR EQUIPMENT, BOAS NEED TO BE SAFELY CAPTURED AND RELOCATED. THIS MEASURE WILL BE CONDUCTED I N ACCORDANCE WITH THE FEMA/USFWS/DNER-APPROVED SOP FOR EMPLOYEE BOA AWARENESS TRAINING AND PROJECT SITE PREPARATION. ALTERNATIVELY, BIOLOGICAL PROFESSIONALS CAN BE HIRED FOR THIS TASK.
   - 3.6. PRIOR TO MOVING,DISPOSING OR SHREDDING, DEBRIS PILES SHALL BE CAREFULLY INSPECTED FOR THE PRESENCE OF BOAS. IF BOAS ARE FOUND I N DEBRIS PILES, CONTRACTORS SHALL WAIT FOR BOAS TO MOVE AWAY ON THEIR OWN; IF THIS DOES NOT OCCUR, BOAS NEED TO BE SAFELY CAPTURED AND RELOCATED. THIS MEASURE WILL BE CONDUCTED I N ACCORDANCE WITH THE FEMA/USFWS/DNER-APPROVED SOP FOR EMPLOYEE BOA AWARENESS TRAINING AND PROJECT SITE PREPARATION. ALTERNATIVELY, BIOLOGICAL PROFESSIONALS CAN BE HIRED FOR THIS TASK.
   - 3.7. FOR ALL BOA SIGHTINGS (DEAD OR ALIVE), THE APPLICANT MUST RECORD THE TIME AND DATE OF THE SIGHTING AND THE SPECIFIC LOCATION WHERE IT WAS FOUND. BOA DATA SHOULD ALSO INCLUDE A PHOTO OF THE ANIMAL (DEAD OR ALIVE), RELOCATION SITE GPS COORDINATES, AND THE TIME AND DATE OF THE RELOCATION. ALL BOA SIGHTINGS AND RELOCATION REPORTS SHOULD BE SENT TO THE USFWS CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE, MARELISA RIVERA - DEPUTY FIELD SUPERVISOR, 787-851-7297 EXTENSION 206, 787-510-5207, MARELISA_RI VERA@FWS.GOV. THIS MEASURE WILL BE CONDUCTED I N ACCORDANCE WITH THE FEMA/USFWS/DNER-APPROVED SOP FOR EMPLOYEE BOA AWARENESS TRAINING AND PROJECT SITE PREPARATION. ALTERNATIVELY, BIOLOGICAL PROFESSIONALS CAN BE HI RED FOR THIS TASK.
4. RESOURCE CONSERVATION AND RECOVERY ACT, AKA SOLID WASTE DISPOSAL ACT (RCRA): THE APPLICANT SHALL HANDLE, MANAGE, AND DISPOSE OF ALL SOLID AND HAZARDOUS WASTE IN ACCORDANCE WITH REQUIREMENTS OF LOCAL, STATE, AND FEDERAL LAWS, REGULATIONS, AND ORDINANCES. IN ADDITION, THE APPLICANT SHALL ENSURE THAT ALL DEBRIS IS SEPARATED AND DISPOSED OF IN A MANNER CONSISTENT WITH THE PR DNER GUIDELINES AT A PERMITTED SITE OR LANDFILL.

PROJECT NOTES:

A.DEMOLITION

CONTRACTOR MUST PREPARE, SUBMIT AND GET APPROVAL FROM OGPe OF AN INCIDENTAL UNIQUE PERMIT.
CONTRACTOR MUST CONSIDER PARTIAL OR COMPLETE DEMOLITION OF EXISTING BASKETBALL COURT FOUNDATIONS, NECESSARY FOR THE CONSTRUCTION OF THE NEW FOUNDATIONS.
EXTERIOR DEMOLITIONS INCLUDE SIDEWALKS AND EXISTING SLABS AS SHOWN.
DEMOLITION SHALL BE DONE IN A MATTER THAT REDUCES TO A MINIMUM THE AMOUNT OF DUST.
CONTRACTOR MUST PREPARE A MAINTENANCE OF TRAFFIC AND OBTAIN WRITTEN APPROVAL FROM THE MUNICIPAL DEPARTMENT OF PUBLIC WORKS.

DEMOLITION WORKS NOT IDENTIFIED IN THE DEMOLITION SITE PLAN, BUT NECESSARY FOR THE CONSTRUCTION OF THE PROJECT ARE A SUBSIDIARY OBLIGATION.

AT DOWNSPOUTS, WHENEVER SIDEWALKS OR CONCRETE SURFACES DOES NOT EXISTS, THE CONTRACTOR MUST PROVIDE SPLASH BLOCKS AS

B.SITE IMPROVEMENTS

SITE IMPROVEMENTS INCLUDE THE RE CONSTRUCTION SLABS, SIDEWALKS AND ANY OTHER SITE FEATURE AFFECTED BY THE CONSTRUCTION OF THE NEW BASKETBALL ROOF AND OTHER IMPROVEMENTS IN THE PROJECT.
TEMPORARY RELOCATION OF SITE FEATURES MUST BE COORDINATED WITH THE OWNER.
CONTRACTOR MUST PROVIDE AND INSTALL A NEW STRUCTURAL STEEL ROOF AS SHOWN IN PLANS. APPROVED EQUAL ALTERNATIVES FOR THE RECONSTRUCTION OF CHAIN LINK FENCE AND GATES.
DETAILED IN THE CONSTRUCTION DRAWINGS.

C.NEW ROOF AND EXISTING ROOFS TO BE REPAIRED

ROOF PANELS:
- ROOF STEEL DECK. GALVANIZED G-90 COATING TYPE "R", GAGE 24. REFER TO STRUCTURAL DRAWINGS.
- COMPOSITE STEEL AND BITUMINOUS PLATE GAGE 24 EQUAL OR APPROVED EQUAL TO MULTILAYERT ISOMETRIC.

NEW ROOF INCLUDE NEW FOUNDATIONS AS SHOWN ON PLANS.
CONTRACTOR MUST REPAIR THE EXISTING METAL ROOFS AS SHOWN ON PLANS. CONTRACTOR MUST SUPPLY AND INSTALL ADDITIONAL HANGERS TO ALL BLEACHERS AND DUGOUT GUTTERS (NEW AND EXISTING TO REMAIN) AS TO PROVIDE A MAXIMUM SPACING OF 3FT IN BETWEEN.
ROOFS TO BE REPAIRED INCLUDE SAME MATERIAL AND SHAPE AS THE EXISTING ROOF TO REMAIN UNLESS OTHERWISE SPECIFIED.

OTHER EXISTING PAINTED AREAS AFFECTED DURING CONSTRUCTION MUST BE REPAINTED. CONTRACTOR MUST MATCH THE EXISTING COLORS

D.PAINT

CONTRACTOR MUST PRIME AND PAINT THE BASKETBALL COURT ROOF, PEDESTAL AND SLAB AS SPECIFIED IN PLANS AND SPECIFICATIONS.
CONTRACTOR MUST PRIME AND PAINT CHANNELS TO BE REPLACED. FOR COLORS AND SPECIFICATIONS REFER TO DRAWING A-201.
STRUCTURAL STEEL MUST BE PAINTED WITH PRIMER AT SHOP AND PAINTED ON FIELD WITH TWO COATS OF AN APPROVED RUST PREVENTIVE PAINT.

UNLESS SPECIFIC COLORS ARE PROVIDED BY THE OWNER.

E.FLOORS

BASKETBALL COURT SLAB MUST BE CLEANED AND REPAIRED AS SPECIFIED IN PLANS PRIOR TO THE APPLICATION OF PAINT.

F.AS-BUILT DATA

AS-BUILT DIMENSIONS ARE APPROXIMATE AND MAY VARY FROM FIELD CONDITIONS.
CONTRACTOR IS RESPONSIBLE FOR VERIFYING AS-BUILT DIMENSIONS PRIOR TO CONSTRUCTION/DEMOLITION WORKS.
FOUNDATION

G.POWER, LIGHTING AND OTHER ELECTRICAL FEATURES

ELECTRICAL PLANS INCLUDE BASKETBALL COURT POWER AND NEW LIGHTING.
CONNECTION POINT AND IMPROVEMENTS ARE AS SHOWN ON ELECTRICAL DRAWINGS.
COVER OF ELECTRICAL TRENCHES MUST MATCH THE EXISTING COVER AS SHOWN:
- GRASS - 3" MINIMUM OF TOP SOIL AND TURF (ZOYSIA MANILA).
- CONCRETE - MUST BE SAW CUT. FOR RECONSTRUCTION REFER TO SLAB AND JOINT DETAILS IN DRAWING CS501.

REPAIR TO EXISTING SYSTEM SERVICING THE PROJECT ARE A SUBSIDIARY OBLIGATION.

H.WORK AREA

CONTRACTOR MUST COORDINATE WITH THE OWNER THE WORK AND STAGING AREAS WITH THE OWNER.
WORK AND STAGING AREAS MUST BE RESTRICTED FROM ACCESS AS ESTABLISHED IN THE GENERAL CONDITIONS.

OTHERS

CONTRACTOR MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL PROCUREMENT LAWS, REGULATIONS, AND PROCEDURES AS APPLY TO THIS PROJECT AWARD UNDER THE PUBLIC ASSISTANCE GRANT, WHICH FLOW DOWN FROM THE RECIPIENT TO ALL SUB
CONTRACTOR MUST COMPLY WITH ALL APPLICABLE LAWS, REGULATIONS, POLICY, AND GUIDANCE. THIS INCLUDES, AMONG OTHERS, THE ROBERT T. STAFFORD DISASTER RELIEF AND EMERGENCY ASSISTANCE ACT; TITLE 44 OF THE CODE OF FEDERAL REGULATIONS; FEMA POLICY NO. 104-009-2, PUBLIC ASSISTANCE POLICY AND PROGRAM GUIDE; AND OTHER FEMA POLICY AND GUIDANCE.
THE UNIFORM ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS SET FORTH AT 2 C.F.R. PT. 200

RECIPIENTS UNLESS A PARTICULAR SECTION OF 2 C.F.R. PT. 200, THE FEMA-STATE AGREEMENT, OR THE TERMS AND
THE FENCE WORK, THE DEMOLITION WORK AND THE NEW CONSTRUCTION WORK WILL BE DONE IN PREVIOUSLY DISTURBED GROUND AND IN PUERTO RICO BUILDING CODE, IBC, AND RECEIVING ALL APPLICABLE PERMITS & APPROVALS PRIOR TO CONSTRUCTION.
CONTRACTOR MUST REFER TO OTHER CONTRACT DOCUMENTS FOR WORKS AND PROCEDURES NOT INCLUDING IN THESE PLANS INCLUDING BUT NOT LIMITED TO CONSTRUCTION SPECIFICATIONS, PRE-BID CONFERENCE, GENERAL CONDITIONS AND SPECIAL CONDITIONS.
CONTRACTOR MUST CONSIDER ALL APPLICABLE STATE REGULATIONS REGARDING CONSTRUCTION PROCEDURES SUCH AS LIMITATION TO WORK HOURS BY EXECUTIVE ORDERS AND COVID-19 SAFETY PROCEDURES .

THE SAME FOOTPRINT OF THE PRE-DISASTER FENCE AND PAVILIONS. NO WORK WILL AFFECT UNDISTURBED GROUND.
FOR WORK TO BE COMPLETED, WHEN DISPOSING OF DEBRIS INCLUDING, BUT NOT LIMITED TO (FENCING, RETENTION WALLS, CONCRETE, ASPHALT, AC UNITS, LIGHT POLES, DEMOLITION [CASE BY CASE], NEW CONSTRUCTION [CASE BY CASE], AMONG OTHER ACTIVITIES) THE FOLLOWING SHOULD BE INCLUDED IN THE PROJECT DOCUMENTS:
- STAGING AREA (COORDINATES)
- TYPE OF MATERIAL
- QUANTITY BY TYPE
- FINAL DISPOSAL SITE (COORDINATES)
- THE PERMIT FOR THE FINAL DISPOSAL SITE.

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LIC. #26820
PUERTO RICO

YO, ING. DOEL F. MUÑIZ RIVERA, NUMERO DE LICENCIA 26820, 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 JURISDICCIÓN. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM.14 DE 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LS "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA [LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE). RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES 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

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

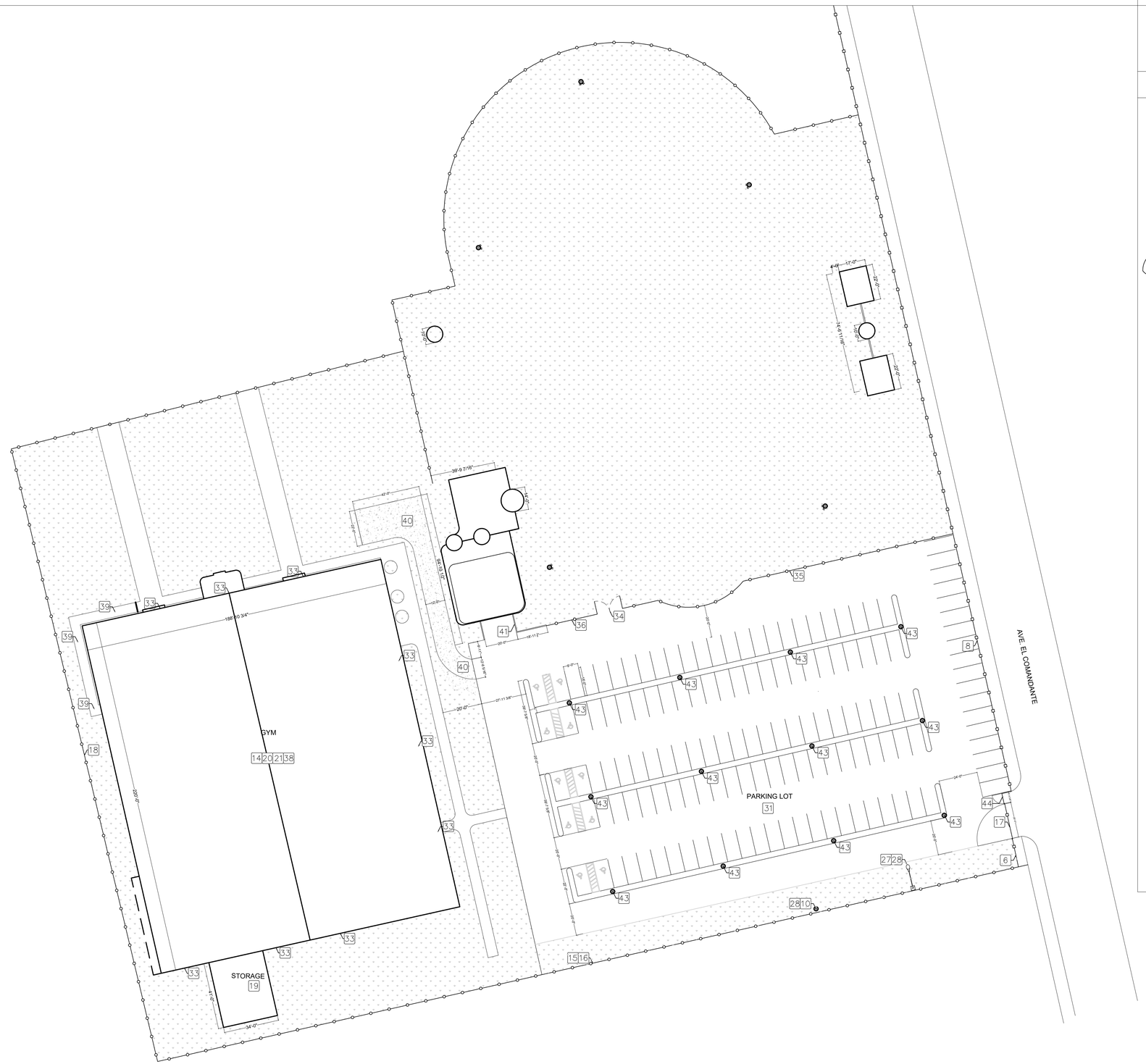
SCOPE OF WORK & GENERAL NOTES

DESIGNED BY:	D.MUÑIZ
DRAWING BY:	P.RESTO
CHECKED BY:	D.MUÑIZ
DATE:	12/12/2025
SCALE:	AS SHOWN

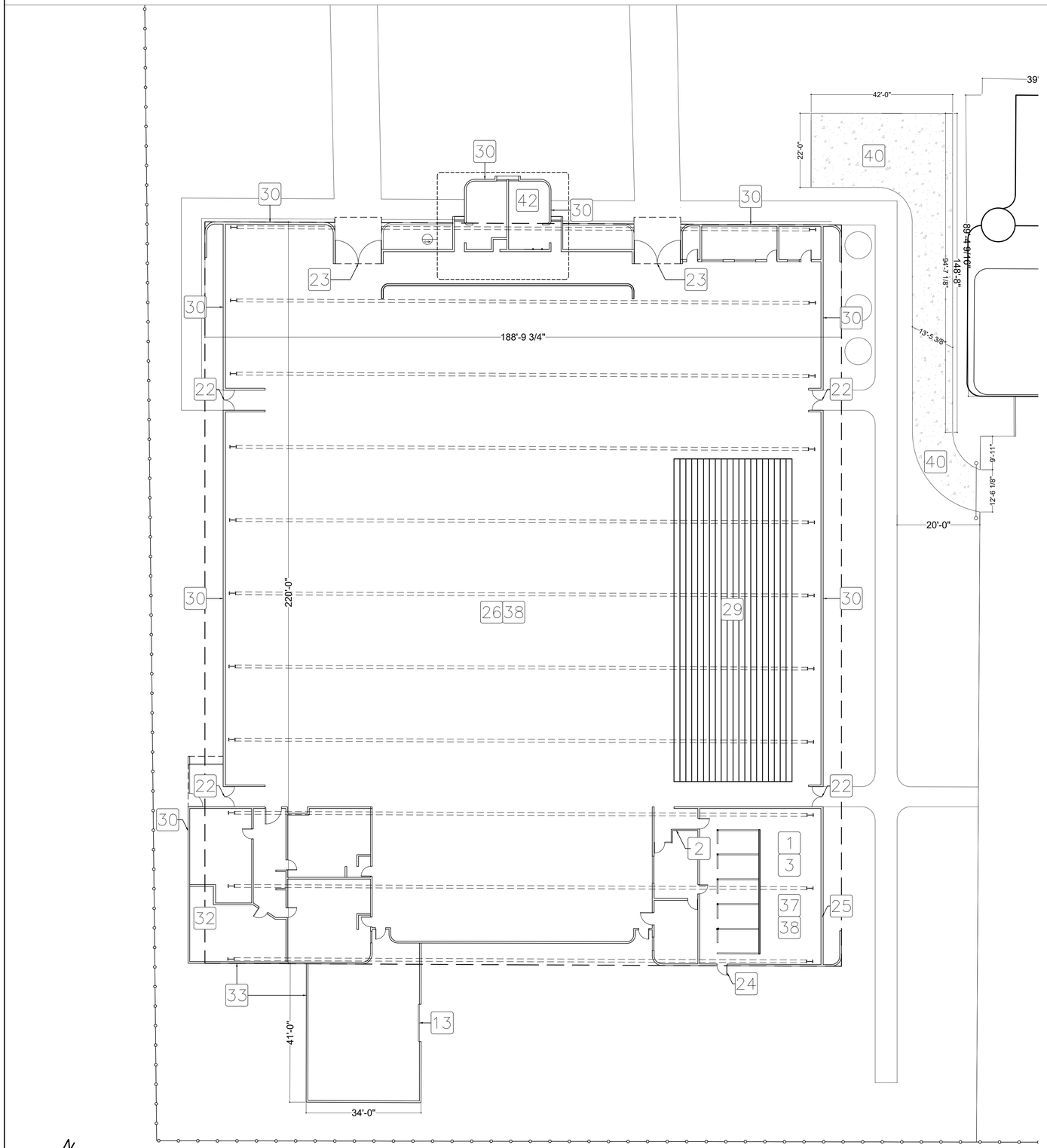
DRAWING ID
C-01

SHEET
2 OF XX

SITE PLAN:


AVE. EL COMANDANTE
GYM
14 20 21 38
PARKING LOT
31
STORAGE
19
40
41
42
GRADE
17'-0"
22'-0"
74'-6 11/16"
12'-0"
22'-0"
398'-9 7/16"
188'-9 3/4"
220'-0"
34'-0"
41'-0"
20'-0"
27'-11 3/8"
18'-11"
12'-0"
20'-0"
14'-0"
36'-1 3/4"
20'-0"
20'-0"
20'-0

SITE PLAN:



FLOOR PLAN
SCALE: 1/16" = 1'-0"

1/16" = 1'-0" 0' 5' 10' 20' 30' 40' 50' 60'

SYMBOLS LEGEND:

GRASS AREA
CONCRETE SIDEWALK
EXISTING TREE
METAL LIGHT POLE
CONCRETE LIGHT POLE
CHAIN LINK FENCE
IRON FENCE

DAMAGE DESCRIPTION:

PROPOSED WORK:

1 REPLACE 400 SF OF CEILING TILES. (VERIFY LOCATION IN FIELD)
2 REPLACE 200 SF OF WOOD WALL FOR GYPSUM WALL. (VERIFY LOCATION IN FIELD)
3 REPLACE 225 SF OF VCT TILES. (VERIFY LOCATION IN FIELD)
6 REPLACE 60 SF OF METAL FENCE, 12' LONG x 5' HIGH. (VERIFY LOCATION IN FIELD)
8 REPLACE 1,080 SF OF METAL FENCE, 216' LONG x 5' HIGH. (VERIFY LOCATION IN FIELD)
10 REMOVE 1 EACH OF METAL LIGHT POLE, 30' HIGH. (SEE DETAIL IN C-08)
13 REMOVE AND REPLACE, 1 EACH OF METAL DOORS, 12' WIDE x 14' HIGH. (VERIFY LOCATION IN FIELD)
14 REMOVE AND REPLACE 41,800 SF OF METAL ROOF MULTILAYER PANELS. (SEE DETAILS IN C-05) 1
15 REMOVE AND REPLACE 480 SF OF METAL CHAIN-LINK FENCE, 60' LONG x 8' HIGH. (VERIFY LOCATION IN FIELD) (SEE DETAILS IN C-07)
16 REMOVE AND REPLACE, 1 EACH OF METAL CHAIN-LINK FENCE, 120' LONG x 6' HIGH. (VERIFY LOCATION IN FIELD) (SEE DETAILS IN C-07)

ADDITIONAL WORK:

17 REMOVE AND REPLACE IRON FENCE SWING GATE, 20' LONG x 6' HIGH. (SEE DETAILS ON SHEET C-07) (VERIFY DIMENSIONS IN FIELD)
18 REMOVE AND REPLACE 2,334 SF OF CHAIN-LINKED FENCE, 389' LONG x 6' HIGH. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-07)
19 REMOVE AND REPLACE 1,450 SF OF METAL SHEETS ON ROOF. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-06)
20 REMOVE AND REPLACE 220' LF OF METAL ROOF GUTTER, ON EACH SIDE. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-06)
21 REMOVE AND REPLACE 180' LF OF METAL ROOF FLASHING, ON EACH SIDE. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-06)
22 REMOVE AND REPLACE, 2 EACH OF METAL GATE, 5'-11" WIDE x 8' HIGH. (VERIFY LOCATION IN FIELD) (SEE PHOTO 1 IN C-10)
23 REMOVE AND REPLACE, 2 EACH OF METAL SOLID GATE, 14'-0" WIDE x 12' HIGH. (VERIFY LOCATION IN FIELD) (SEE PHOTO 2 IN C-10)
24 REMOVE AND REPLACE, 1 EACH OF METAL DOOR, 3' WIDE x 8' HIGH. (VERIFY LOCATION IN FIELD)
25 REMOVE AND REPLACE, 2 EACH OF ALUMINUM WINDOWS, 2'-6" WIDE x 2'-6" HIGH. (VERIFY LOCATION IN FIELD)
26 REMOVE AND REPLACE 82 EACH OF ATHLETIC LIGHT FIXTURES, LED HIGH BAY. (HOLOPHANE, PHUZION PHG 24000LM HEF WGGAL MVOLT 40K 80CRI WHK PHGHAINS PHGWGA LPFD, PENDANT MTD. @ 25' OR FLUSH WITH BOTTOM OF STRUCTURAL BEAM. INSTALL AS PER MANUFACTURERS SPECIFICATIONS). (SEE DETAILS IN C-05)
27 REMOVE 1 EACH OF CONCRETE LIGHT POLE WITH EXPOSED REBAR (SEE PHOTO #3 IN C-10)
28 REMOVE 2 EACH OF PEDESTRIAN AREA LIGHT FIXTURES
29 REMOVE AND REPLACE METAL BLEACHERS. (SEE DETAILS IN C-07) (SEE PHOTO 5 IN C-10)
30 EXTERIOR PAINT - 2 COATS
31 PARKING LOT RECONFIGURATION AND REPAVEMENT OF 58,320 SF. SURFACE SHALL HAVE A RUNOFF OF 2% SLOPE TO OUTSIDE OF SITE. REMOVE EXISTING PLANTERS AND REPLACE EXISTING LIGHTING POLES. (SEE DETAILS ON SHEET C-09)
32 REPAIR EXPOSED REBAR. (VERIFY LOCATION IN FIELD) (SEE PHOTO 6 IN C-06) (SEE DETAIL IN C-07)
33 REMOVE AND REPLACE, 9 EACH OF FLOOD LIGHTING. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-08)
34 REPLACE 96 SF OF CHAIN-LINK FENCE GATE, 16' WIDE x 6' HIGH. (SEE DETAIL IN C-07)
35 REPLACE 1,278 SF OF CHAIN-LINKED FENCE, 213' LONG x 6' HIGH. (SEE DETAIL IN C-07)
36 REPLACE 192 SF OF CHAIN-LINKED FENCE, 32' LONG x 6' HIGH. (SEE DETAIL IN C-07)
37 REPLACE 500 SF OF FIBER CEILING PANELS
38 APPLY ALL ROOF STEEL STRUCTURE ELEMENTS WITH ANTICORROSIVE PAINT.
39 REMOVE AND REPLACE 668 SF OF CONCRETE SIDEWALK, 6 FT WIDE
40 NEW 2,570 SF OF CONCRETE WAY FOR AMBULANCE ACCESS. INSTALL NEW CONCRETE BOLARDS WITH CHAIN FOR CONTROL ACCESS
41 CONSTRUCT NEW CMU WALL, 11'-8" FT LONG BY 8' FT HIGH
42 NEW BATHROOMS LAYOUT, ADA COMPLIANCE, SWITCH GENDER ROOMS. (SEE DETAILS AND SCOPE OF WORK ON SHEET C.04)
43 SUPPLY & INSTALL NEW LIGHTING POLES 25' FT HIGH WITH SOLAR POWERED LUMINARIES FOR PARKING LOT (SEE DETAILS ON SHEET C-08)
44 SUPPLY & INSTALL NEW METAL GATE FOR PEDESTRIAN ACCESS 6' FT 4 IN WIDE BY 6' FT HIGH. (SEE DETAILS ON SHEET C-07)

OWNER

[redacted]

CONSULTANT

Fractal Engineering, PSC
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[redacted]

CERTIFICATION

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PROJECT

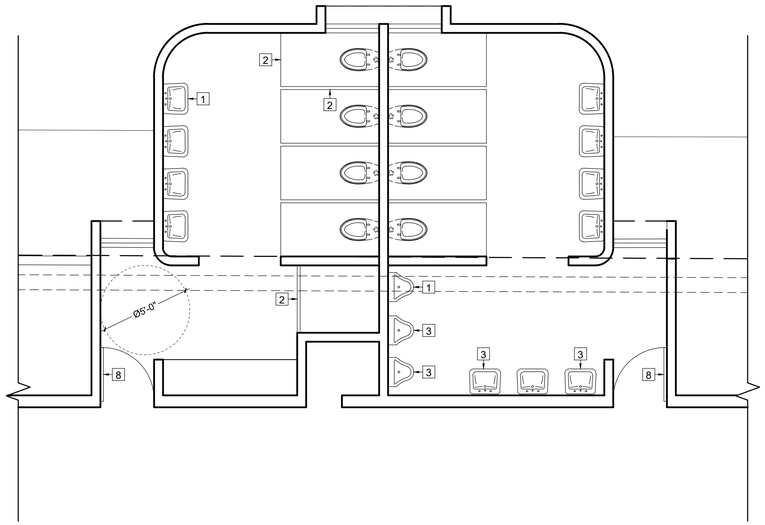
GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

FLOOR PLAN

DESIGNED BY:	D.MUÑIZ
DRAWING BY:	P.RESTO
CHECKED BY:	D.MUÑIZ
DATE:	9/4/2026
SCALE:	AS SHOWN

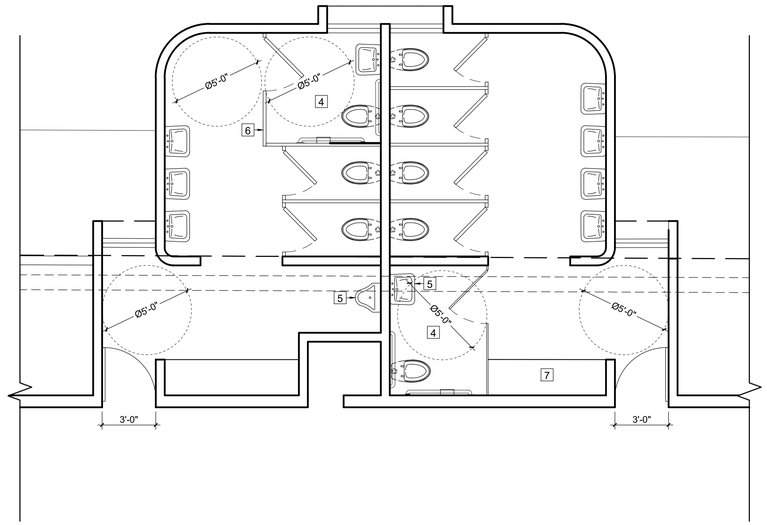
DRAWING ID
C-03

SHEET
3 OF XX



PROPOSED WORK:

1. Relocate existing sink and or urinal.
2. Remove lavatory partition and door.
3. Remove existing urinal.
4. Lavatory complying with American Disabilities Act Codes. Relocate existing sink (only applicable in men's bathroom) & tissue dispenser. Install new grab bars.
5. Re install urinal or sink in new location
6. Install new PVC partitions with doors.
7. Install new PVC top, 1" inch color white.
8. Replace metal doors with handle for ADA Code compliance



BATHROOMS EXISTING CONDITITIONS

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

BATHROOMS PROPOSED LAYOUT

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

NOTES:

GENERAL CONTRACTOR SHALL VERIFY CONDITIONS ON SITE TO CONFIRM DIMENSIONS.

BATHROOM PLAN

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

1/4" = 1'–0" 12" 0' 1' 5' 10' 15'

OWNER

[redacted]

CONSULTANT

Fractal Engineering, PSC
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PROJECT

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

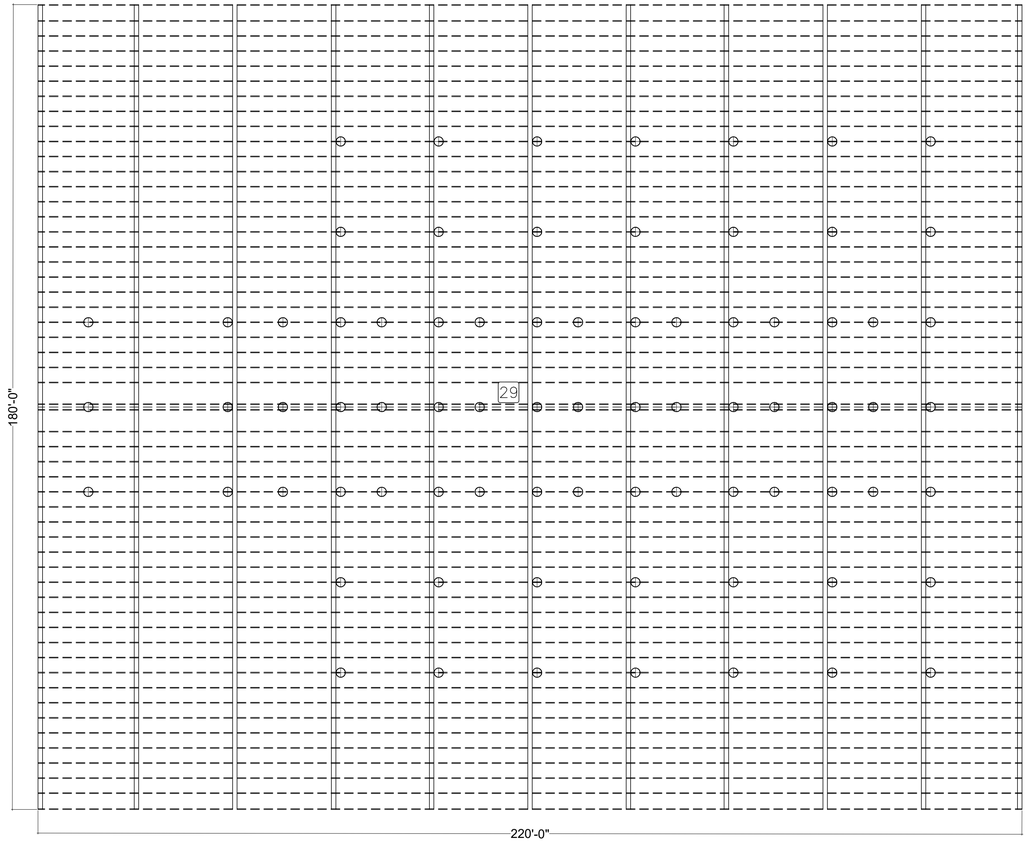
BATHROOM ENLARGED VIEW PLAN

DESIGNED BY:	D.MUÑIZ
DRAWING BY:	P.RESTO
CHECKED BY:	D.MUÑIZ
DATE:	9/4/2026
SCALE:	AS SHOWN

DRAWING ID
C-04

SHEET
3 OF XX

REFLECTED CEILING PLAN:



GYM REFLECTED CEILING PLAN
SCALE: 1/16"=1'-0"

DAMAGE DESCRIPTION:

ADDITIONAL WORK:

19 REMOVE AND REPLACE IRON FENCE GATE, 11' LONG x 5' HIGH. (VERIFY LOCATION IN FIELD)

20 REMOVE AND REPLACE IRON FENCE GATE, 17' LONG x 5' HIGH. (VERIFY LOCATION IN FIELD)

21 REMOVE AND REPLACE 2,334 SF OF CHAIN-LINKED FENCE, 389' LONG x 6' HIGH. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-05)

22 REMOVE AND REPLACE 1,600 SF OF METAL ROOF. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-04)

23 REMOVE AND REPLACE 220' LF OF METAL ROOF GUTTER, ON EACH SIDE. (VERIFY LOCATION IN FIELD)(SEE DETAIL IN C-04)

24 REMOVE AND REPLACE 180' LF OF METAL ROOF FLASHING, ON EACH SIDE. (VERIFY LOCATION IN FIELD) (SEE DETAIL IN C-04)

25 REMOVE AND REPLACE, 2 EACH OF STEEL SOLID GATE, 5'-11" WIDE x 8' HIGH. (VERIFY LOCATION IN FIELD) (SEE PHOTO 1 IN C-0)

26 REMOVE AND REPLACE, 2 EACH OF STEEL SOLID GATE, 14'-0" WIDE x 12' HIGH. (VERIFY LOCATION IN FIELD) (SEE PHOTO 2 IN C-0)

27 REMOVE AND REPLACE, 1 EACH OF STEEL DOOR, 3' WIDE x 8' HIGH. (VERIFY LOCATION IN FIELD)

28 REMOVE AND REPLACE, 2 EACH OF ALUMINUM WINDOWS, 2'-6" WIDE x 2'-6" HIGH. (VERIFY LOCATION IN FIELD)

29 REMOVE AND REPLACE 82 EACH OF ATHLETIC LIGHT FIXTURES, LED HIGH BAY. (HOLOPHANE, PHUZION PHG 24000LM HEF WGGAL MVOLT 40K 80CRI WHK PHGHAINS PHGWGA LPFD, PENDANT MTD. @ 25' OR FLUSH WITH BOTTOM OF STRUCTURAL BEAM. INSTALL AS PER MANUFACTURERS SPECIFICATIONS). (SEE DETAILS IN C-03)

30 REMOVE AND REPLACE, 1 EACH OF CONCRETE LIGHT POLE WITH EXPOSED REBAR. (SEE DETAILS IN C-05) (SEE PHOTO 3 IN C-06)

31 REMOVE AND REPLACE, 2 EACH OF ATHLETIC LIGHT FIXTURE, GALN GALLEON II AREA LUMINAIRE BY MCGRAW-EDISON OR SIMILAR. (SEE DETAILS IN C-05)

32 REMOVE AND REPLACE METAL BLEACHERS. (SEE DETAILS IN C-05) (SEE PHOTO 5 IN C-06)

33 EXTERIOR PAINT - 2 COATS

34 REMOVE AND REPLACE 500 SF OF PARKING LOT ASPHALT. (VERIFY LOCATION IN FIELD)

35 REPAIR EXPOSED REBAR. (VERIFY LOCATION IN FIELD) (SEE PHOTO 6 IN C-06) (SEE DETAIL IN C-05)

36 REMOVE AND REPLACE, 9 EACH OF FLOOD LIGHTING. (VERIFY LOCATION IN FIELD)

OWNER

DRD
DEPARTAMENTO DE RECREACIÓN Y DEPORTES

CONSULTANT

FRACTAL ENGINEERING

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BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN

CERTIFICATION

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PROJECT

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

GYM REFLECTED CEILING PLAN

DESIGNED BY: D.MUÑIZ
DRAWING BY: P.RESTO
CHECKED BY: D.MUÑIZ
DATE: 4/25/2023
SCALE: AS SHOWN

DRAWING ID
C-05

SHEET
4 OF XX

LIGHTING FIXTURE DETAIL:

Rev. 122121

HB31C3 Astra Low Profile 16" COB LED Highbay with Uplight

DuraGuard PRODUCTS INC., A GSSI Company — 5

Project Information

Project Name: Fixture Type:
Complete Catalog #: Date:
Comments:

The DuraGuard HB31 Astra Low Profile 16" Highbay is available with a choice of LumaLens and clear UV-stabilized polycarbonate upper reflector and lower lens combinations to provide up to 30% uplight component and reduce direct glare. The fixture is designed to replace HID lighting systems up to 400w MH. Typical high bay lighting applications include convention centers, gymnasiums, natatoriums indoor sports facilities, retail stores and manufacturing facility lighting. Suitable for 14 to 40 foot mounting heights based on light level and uniformity requirements.



Dimensions

Diameter (D)	16" (405mm)
Height (A)	17¾" (448mm)

DuraLED TECHNOLOGY

Specifications and Features:

Housing:
Die-Cast Aluminum Housing with External Heat Sinks for Cooler Operating Temperatures. Externally Mounted Driver.

Listing & Ratings:
CSA: Listed for Dry Locations, ANSI/UL 1598, 8750 IP65 (with Lenses), IP44 (Open)

Finish:
White Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:
Clear UV-Stabilized Polycarbonate or SoftLED LumaLens UV-Stabilized Polycarbonate Vandal-Resistant Refractors. Can be Used Open or with Clear Prismatic UV-Stabilized Polycarbonate or SoftLED LumaLens Prismatic UV-Stabilized Polycarbonate Bottom Lenses.

Mounting Options:
Mount with Included ¾" Die Cast Hook. Adjustable Junction Box Also Accepts ½" Conduit.

COB LED:
DuraGuard COB

Wattage:
120w: COB: 120w System: 122w (250w HID Equivalent)
200w: COB: 200w System: 197w (400w HID Equivalent)

Driver:
Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz (120w Model Only). Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%. Dimming Source Current is 150 Microamps.

Controls:
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available. Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:
5-Year Warranty for -40°C to +50°C Environment.

See Page 4 for Projected Lumen Maintenance Table

Complete Units Ordering Information
Example: **HB31C310X20USWLLWSP**

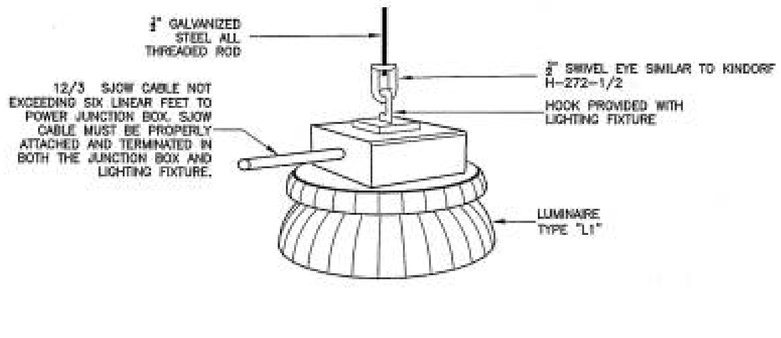
HB31C3 Astra Low Profile 16" COB LED Highbay with Uplight

HB31C3			5K		
Model	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Options**
HB31C3 = Astra Low Profile 16" COB LED Highbay with Uplight	**6X20**=120w **10X20**=200w	**U**=120-277V **H**=347-480V *120w Model Only	**5K**=5000K	**CO**=Clear Upper, No Bottom Lens **CP**=Clear Upper, Clear Prismatic Lower **CL**=Clear Upper, SoftLED LumaLens Lower **LO**=SoftLED LumaLens Upper, No Bottom Lens **LP**=SoftLED LumaLens Upper, Clear Prismatic Lower **LL**=SoftLED LumaLens Upper, SoftLED LumaLens Lower	**W**=White **C**=Custom (Consult Factory)	**SP**=Single Fuse* **DP**=Double Fuse* **SP**=Surge Protection **M3**= Microwave Sensor for Mounting Heights of 20 Feet or Above.* **CP6127W**=6' White Cord, 3 Wire, L5-15P Twist-Lock Plug **CP6277W**=6' White Cord, 3 Wire, L7-15P Twist-Lock Plug **C6600B**=6' Black Cord, ST/W, 600VAC, 3 Wire, Leads **C6600W**=6' White Cord, ST/W, 600VAC, 3Wire, Leads **C4600B**=4' Black Cord, SEOOW, 600VAC, 3 Wire, Leads

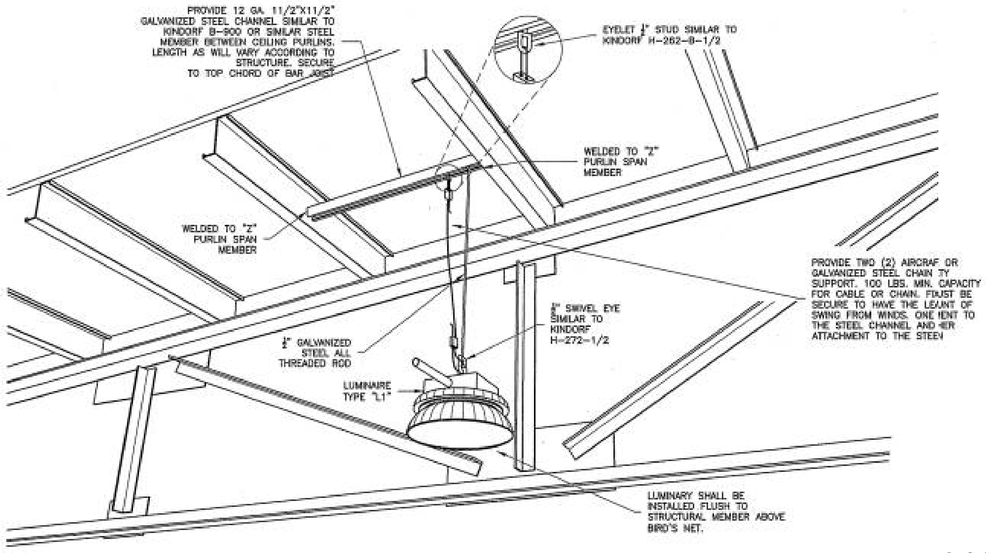
*120-277V Models Only.

Specifications subject to change without notice.

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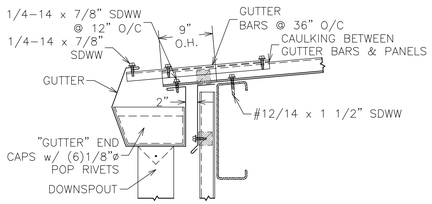


LIGHTING FIXTURE HANGING DETAIL
SCALE: NOT TO SCALE (FOR REFERENCE ONLY)



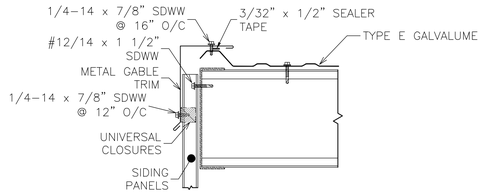
LAMP INSTALLATION DETAIL
SCALE: NOT TO SCALE (FOR REFERENCE ONLY)

DETAILS:

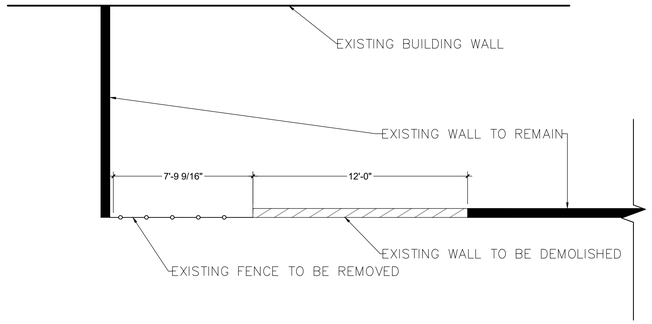


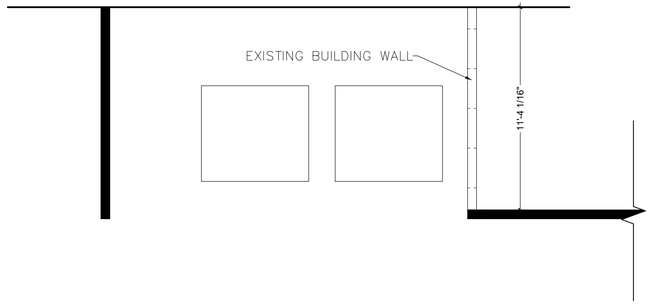
NOTES:
1. GUTTER TO BE CAULKED & LAPPED 4" MIN. AND POP RIVETED TOGETHER USING (8) 1/8"ø POP RIVETS.
2. FIELD LOCATE AND MARK DOWNSPOUT LOCATION IN BOTTOM OF GUTTER. DRAW LINE FROM CORNER TO CORNER AND CUT ALONG LINE. BEND TABS DOWN AND POP RIVET INSIDE DOWNSPOUT.
3. USE THE CHART TO THE LEFT FOR DIMENSION VALUES FOR YOUR PARTICULAR ROOF PITCH.
4. GUTTER SIZE AND GUTTER BAR SPACING MUST BE ADJUSTED TO SUIT LOCAL WEATHER PECULIARITIES AND/OR TO ACCOMMO–DATE LONG ROOF SLOPES.

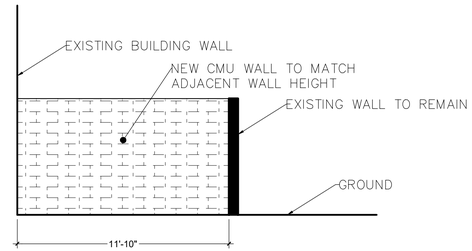
METAL GUTTER & DOWNSPOUT DETAIL
SCALE: 1"=1'-0"



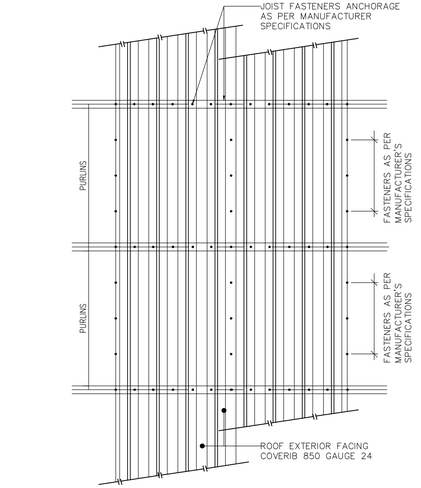
METAL ROOF END CLOSURE TRIM DETAIL
SCALE: 1"=1'-0"







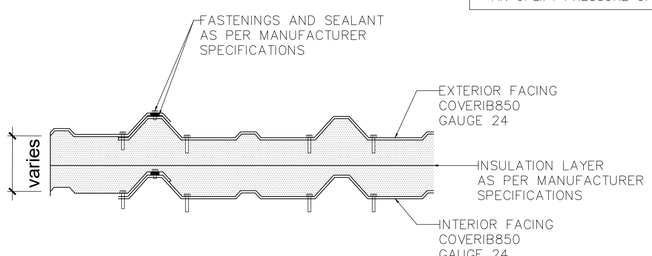
DUMPSTER AREA ENLARGED PLAN & ELEVATION
SCALE: 1/4"=1'-0"



INSTALLATION INSTRUCTIONS

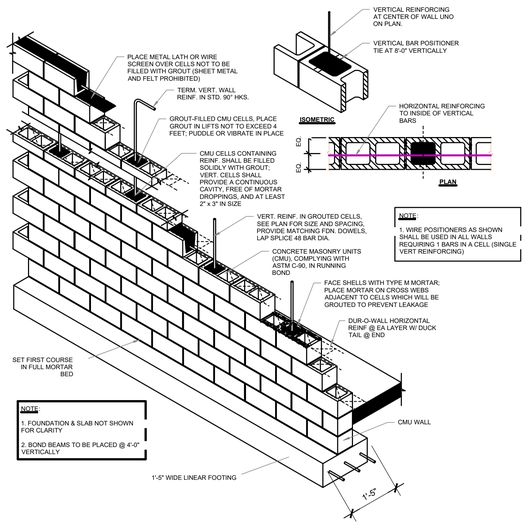
1– STEEL DECK PLATES SHALL SPAN AT LEAST 3 JOIST.
2– DECK SHEETS SHOULD BE PLACED IN ACCORDANCE WITH APPROVED ERECTION LAYOUT DRAWINGS SUPPLIED BY THE DECK MANUFACTURE'S STANDARDS AND SHALL BE ERECTED BEGINING AT THE LOW SIDE TO INSURE THAT END LAPS ARE SHINGLE FASHION.
3– END LAPS SHALL BE 2" MINIMUM AND SHOULD OCCURS OVER SUPPORT.
4– ALL LAPS SHALL BE CENTER DIRECTLY OVER PURLINS
5– ALL FASTENERS SHALL BE IN ACCORDANCE WITH MANUFACTURE'S SPECIFICATION AND ERECTION LAYOUTS.
6– SUPPORT FASTENERS #12–14X1 1/4 SELF DRILLER
7– METAL DECK SHALL BE FACTORY MUTUAL APPROVED.

NOTES :
DECK SHALL BE FASTENED TO JOIST SO AS TO RESIST AN UPLIFT PRESSURE OF 80PSF.

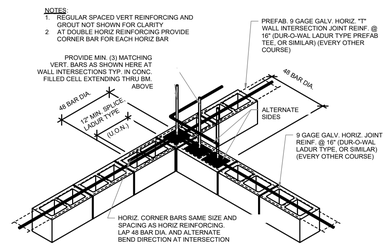


STEEL ROOF MULTILAYER DECK INSTALLATION DETAIL
SCALE: 1/2"=1'-0"

1



CMU WALL DETAIL
SCALE: N.T.S



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CERTIFICATION

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INGENIERO LICENCIADO
LIC. #26820
PUERTO RICO

YO, ING. DOEL F. MUÑIZ RIVERA, NUMERO DE LICENCIA 26820, 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 CODIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM.14 DE 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LS "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA [LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE]. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES 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

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

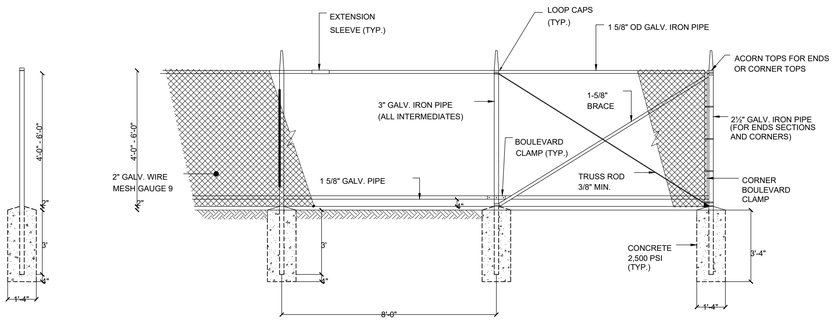
METAL ROOF DETAILS

DESIGNED BY:	D.MUÑIZ
DRAWING BY:	P.RESTO
CHECKED BY:	D.MUÑIZ
DATE:	9/4/2026
SCALE:	AS SHOWN

DRAWING ID
C-06

SHEET
5 OF XX

DETAILS:

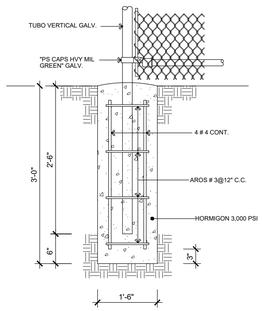


NOTE:

1. PVC COATED WIRE MESH SHALL BE PROVIDED ON ALL BIDS AS AN OPTION.

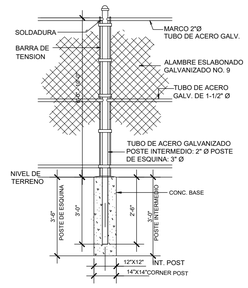
CHAIN LINK FENCE DETAIL

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



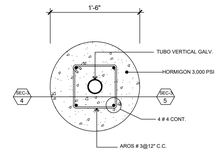
CHAIN LINK FENCE POST DETAIL

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



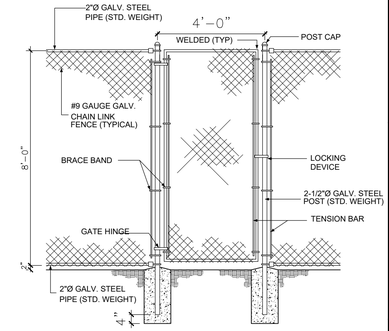
CHAIN LINK FENCE DETAIL

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



CHAIN LINK FENCE POST DETAIL

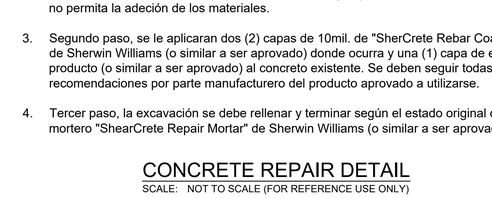
SCALE: 3/8"=1'-0"



CHAIN LINK FENCE GATE DETAIL

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





GENERAL SPECIFICATIONS			
PART NUMBER	BLEACHER LENGTH	SEATING CAPACITY	WEIGHT (Lbs)
GSNB102FWA	27'-0"	144	3075



TYPICAL COURT BLEACHERS DETAIL

SCALE: NOT TO SCALE (FOR REFERENCE USE ONLY)

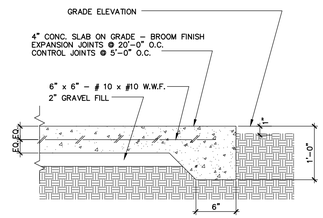
DESPRENDIMIENTO SEVERO | PRIMER PASO | SEGUNDO PASO | TERCER PASO

REPARACION DE LOSA O PAREDES DE CONCRETO SEVERA (ACERO CORROIDO)

1. La profundidad del daño en el concreto es mayor que 1/4" con perdida de agragados y varillas de refuerzo expuestas.
2. El primer paso es cortar con ciera el perimetro del daño, desastillar el concreto, exponer el refuerzo, remover el oxido y el plvo, limpiar con agua y eliminar cualquier sustancia que no permita la adeción de los materiales.
3. Segundo paso, se le aplicaran dos (2) capas de 10mil. de "SherCrete Rebar Coating & Bonding Agent" de Sherwin Williams (o similar a ser aprovado) donde ocurra y una (1) capa de este mismo producto (o similar a ser aprovado) al concreto existente. Se deben seguir todas las recomendaciones por parte manufacturero del producto aprovado a utilizarse.
4. Tercer paso, la excavación se debe rellenar y terminar según el estado original del edificio con el mortero "ShearCrete Repair Mortar" de Sherwin Williams (o similar a ser aprovado).

CONCRETE REPAIR DETAIL

SCALE: NOT TO SCALE (FOR REFERENCE USE ONLY)



NOTE: SLOPE SIDEWALK IN DIRECTION ON EXISTING PREVAILING SLOPES. 1 : 20 MAX. SLOPE

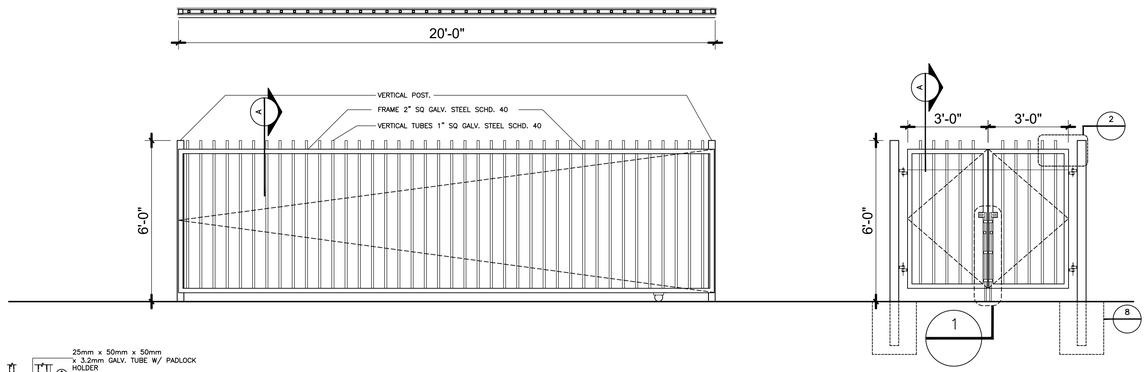
TYPICAL SIDEWALK DETAIL

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



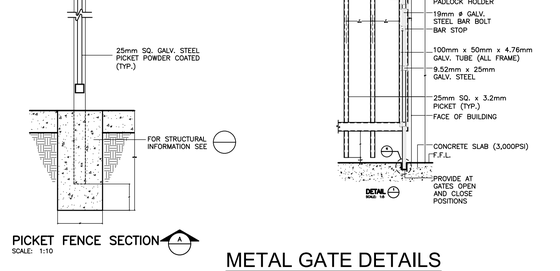
CHAIN LINK FENCE GATE DETAIL

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



METAL GATE ELEVATIONS

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



METAL GATE DETAILS

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

METAL GATE DETAILS

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

OWNER

DRD
DEPARTAMENTO DE RECREACIÓN Y DEPORTES

CONSULTANT

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BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN

CERTIFICATION

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PROJECT

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

DETAILS

DESIGNED BY: D.MUÑIZ
DRAWING BY: P.RESTO
CHECKED BY: D.MUÑIZ
DATE: 12/12/2025
SCALE: AS SHOWN

DRAWING ID
C-07

SHEET
5 OF XX

LIGHTING FIXTURES:



The BFL Series solar LED street light is a great fit for residential and collector street lighting as well as parking lot lighting applications. The self-contained, unobtrusive solar engine design integrates its solar power, battery and adaptive control capabilities into a compact and simple form. This, combined with an efficient LED fixture, makes the BFL Series an excellent fit where high performance, full cutoff and cost-effective lighting is required.

- With the latest solar, LED and lithium battery technology, the BFL series offers significant advantages:
- Cost-effective design ships fully assembled and installs in minutes
- Low installation cost and minimal site impact with no trenching or cabling
- Wireless control & communication with your light
- Minimal ongoing costs with no electrical bills
- Operates entirely independent from the grid and is immune to power outages
- A sustainable choice without recurring carbon emissions

All of our solar powered lights are enabled by our innovative Solar Lighting Controller (SLC). The controller in each light is "self-learning" and allows the lights to predictively adapt to their surroundings, providing an unsurpassed level of lighting performance and reliability.

TECHNICAL SPECIFICATIONS

Solar Module:
- High-efficiency monocrystalline cells
- Inconspicuously integrated into the low profile solar engine
- Used for day/night detection (no photocell required)

Solar Lighting Controller (SLC):
- High-efficiency, maximum power point tracking (MPPT)
- Microcontroller based technology
- Multiyear data logging
- Integrated into solar engine housing
- Designed to adaptively manage lighting performance based on environmental conditions and lighting requirements

Battery:
- High-performance lithium (LiFePO4)
- Exceptional 10+ year lifecycle
- High temperature tolerance
- Conotained within solar engine housing
- Designed for easy battery changes

Mechanical:
- Solar engine housing formed from marine-grade, corrosion resistant, aluminum alloy
- Internal top of pole mount structure
- Toolless access
- Architectural grade, durable, TGIC powder coat

LEDs and Optics:
- 100,000 hour L70 lifetime LED
- Extra Warm White (2700K), Warm White (3000K), Neutral White (4000K), and Amber (595nm) LEDs available
- High-efficiency type 2S, 2M, 3S, 3M, 4, 5 optics
- Full cutoff optics and Dark-Sky approved at 3000K
- Typical lumen output of 6400 lumens
- Integrated weatherproof, high-efficiency, dimmable LED driver

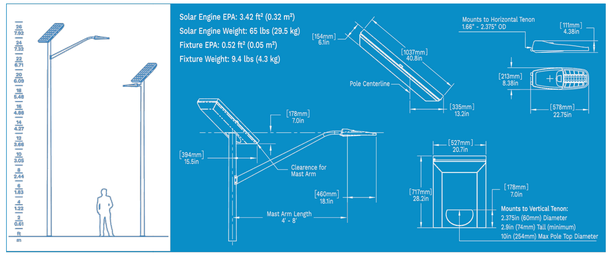
Factory Set Lighting Profiles:
- Real-time based lighting profiles allow you to comply with the Model Lighting Ordinance, dimming after curfew, or during periods of low pedestrian conflict
- 11 standard duration based lighting profiles available
- Lighting profiles are field configurable with app
- Visit our website for all options

Wireless Controls:
- Easy-to-use interface via iOS smartphone app
- Configure and control lighting profiles
- Adjust dusk and dawn thresholds

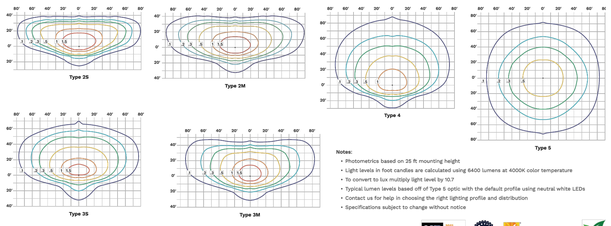
Pole Options:
- Various pole height and mast arm length options available
- Pre-drilled for seamless installation

PARKING AREA LIGHT FIXTURE

SCALE: NOT TO SCALE (FOR REFERENCE USE ONLY)



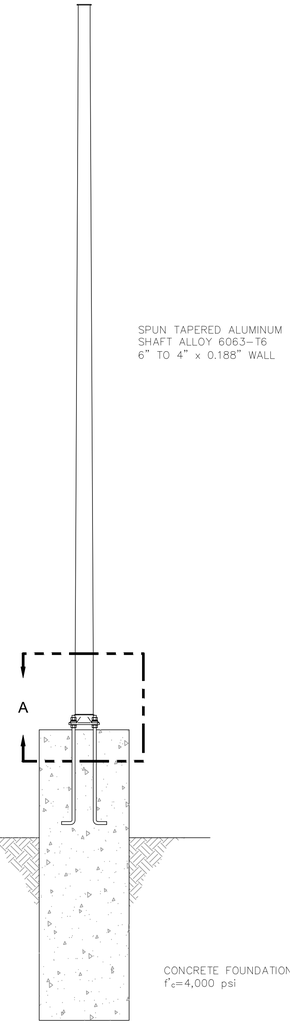
PHOTOMETRICS (IES files available on our website)



Notes:
- Photometrics based on 25 ft mounting height
- Light levels in foot candles are calculated using 6400 lumens at 4000K color temperature
- To convert to lux multiply light level by 10.7
- Typical lumen levels based off of Type 5 optic with the default profile using neutral white LEDs
- Contact us for help in choosing the right lighting profile and distribution
- Specifications subject to change without notice

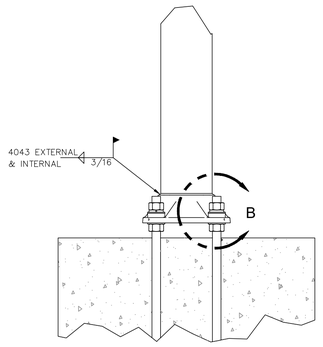
ORDER MATRIX

Solar Engine				Fixture				
Series	**Mounting**	**Finish**	**Lighting Profiles** (Contact us or visit our website for more options)	**Mounting**	**Finish**	**Distribution**	**LED Colors**	**Options**
BFL	**TM** - 2.375 Inch Tenon Mount	**BK** - Black	**TM2200R0600** - On at dusk > dim to 50% at 10:00pm > brighten to 100% at 6:00am > off at dawn (Default)	**HT** - Horizontal Tenon	**BK** - Black	**T2S** - Type 2S	**XW** - 2700K	**BLS** - Backlight Shield
		BZ - Bronze	**00** - Dusk to dawn		**BZ** - Bronze	**T2M** - Type 2M	**WW** - 3000K	
		GY - Gray	**02** - On at dusk > dim to 30% after 6 hours > off at dawn		**GY** - Gray	**T3S** - Type 3S	**NW** - 4000K	
		WH - White	**09** - On at dusk > dim to 30% after 3 hours > brighten to 100% 1 hour before dawn > off at dawn		**WH** - White	**T3M** - Type 3M		
			TX0000X0000 - T=Real-time based lighting profile. X=Choose O for off, L for Low (30%) or M for Medium (50%) or B for Bright. 0000=choose event time between 00:00 and 23:59. Second event optional.			**T4** - Type 4		
						T5 - Type 5		

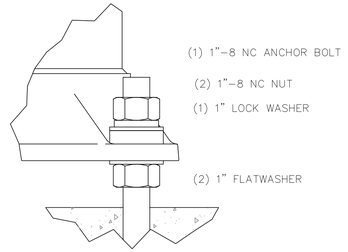


POLE DETAIL EXAMPLE

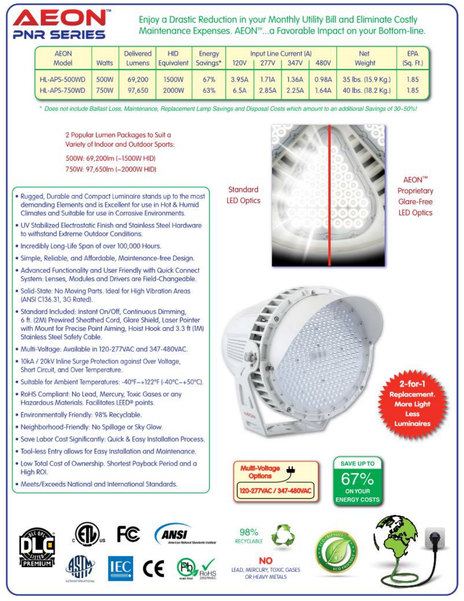
SCALE = N.T.S

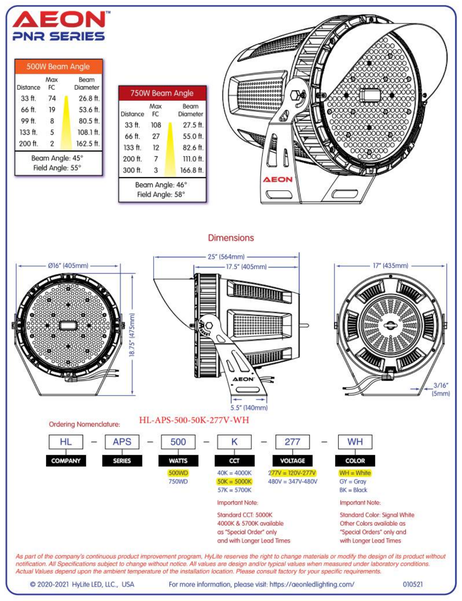


DETAIL A



DETAIL B





ATHLETIC LIGHT FIXTURE

SCALE:



WALL LAMP FIXTURE

SCALE = N.T.S

NOTES:

1. POLE AND LIGHTING ASSEMBLY SHALL PROVIDE RESISTANCE FOR 156 Vmph BASED ON ASCE/SEI 7-16, AS ADOPTED ON PRBC-2018.
2. POLE IS SUGGESTED TO BE ALUMINUM AND/OR FIBERGLASS DUE TO OCEAN FRONT PROXIMITY.
3. ALL HARDWARE SHALL BE STAINLESS STEEL OR APPROVED MATERIAL
4. CONTRACTOR SHALL CONSULT POLE AND LUMINARIES PROVIDER AND SUBMIT TECHNICAL PERFORMANCE DATA FOR COMPLIANCE AND APPROVAL BY ENGINEER.

NOTES:

SPECIFIED PRODUCTS MAY BE REPLACED WITH EQUAL PRODUCTS.

OWNER

DRD
DEPARTAMENTO DE RECREACIÓN Y DEPORTES

CONSULTANT

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CERTIFICATION

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LIC. #26820
PUERTO RICO

YO, ING. DOEL F. MUÑIZ RIVERA, NUMERO DE LICENCIA 26820, CERTIFICO QUE SOY EL PROFESIONAL QUE [CONFECCIONO, DISEÑO 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 JURISDICCIÓN. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LS "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORIQUEÑA" Y CON LA [LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGÚN ENMENDADA; SEGÚN APLIQUE]. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIONES DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGÈNCIA 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

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

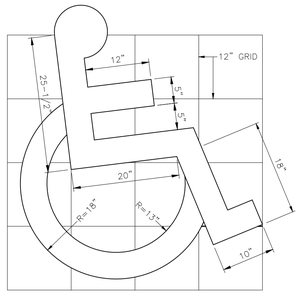
LIGHTING FIXTURES DETAILS

DESIGNED BY: D.MUÑIZ
DRAWING BY: P.RESTO
CHECKED BY: D.MUÑIZ
DATE: 12/12/2025
SCALE: AS SHOWN

DRAWING ID
C-08

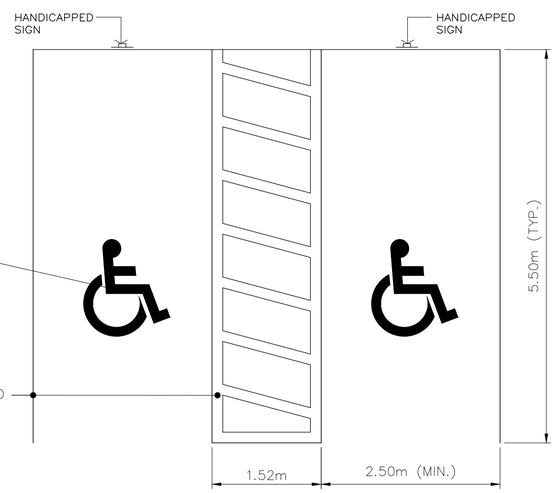
SHEET
5 OF XX

SITE DETAILS:



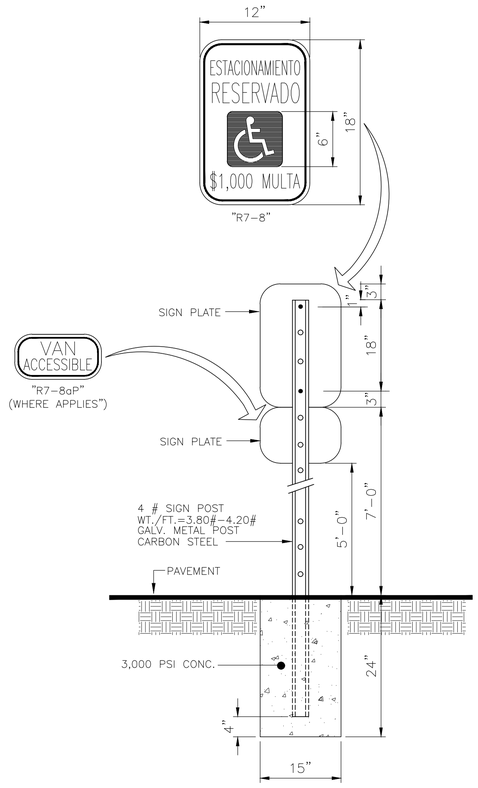
STANDARD HANDICAPPED
SYMBOL FOR PARKING STALL

SCALE = N.T.S.



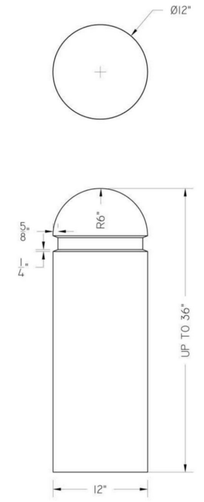
TYPICAL HANDICAPPED PARKING SPACES DETAIL

SCALE = N.T.S.



POST DETAIL FOR HANDICAPPED SIGN

SCALE = N.T.S.



BOLLARD DETAILS

SCALE: N.T.S



NOTES:

SPECIFIED PRODUCTS MAY BE REPLACED WITH EQUAL PRODUCTS.

OWNER

DRD
DEPARTAMENTO DE RECREACIÓN Y DEPORTES

CONSULTANT

Fractal Engineering, PSC
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BR&A LLC
PROJECT MANAGEMENT • ENGINEERING • DESIGN

CERTIFICATION

DOEL FRANCISCO MUÑIZ RIVERA
INGENIERO LICENCIADO
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PUERTO RICO

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PROJECT

GIMNASIO MANUEL CARRASQUILLO
CAROLINA, PR

DETAILS

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DATE:	12/12/2025
SCALE:	AS SHOWN

DRAWING ID
C-09

SHEET
5 OF XX

PHOTOS:



PHOTO 1
SCALE: N.T.S



PHOTO 2
SCALE: N.T.S



PHOTO 3
SCALE: N.T.S



PHOTO 4
SCALE: N.T.S

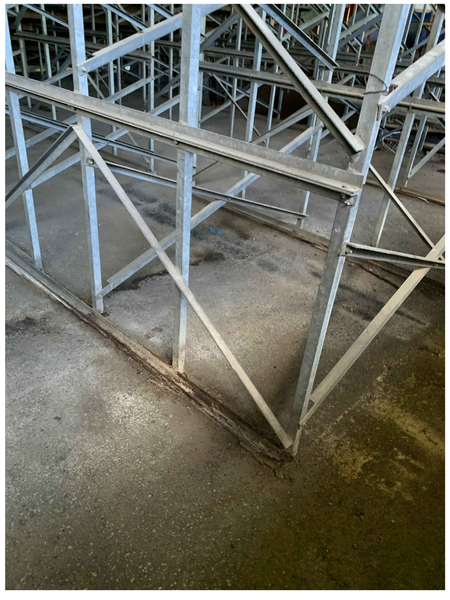


PHOTO 5
SCALE: N.T.S

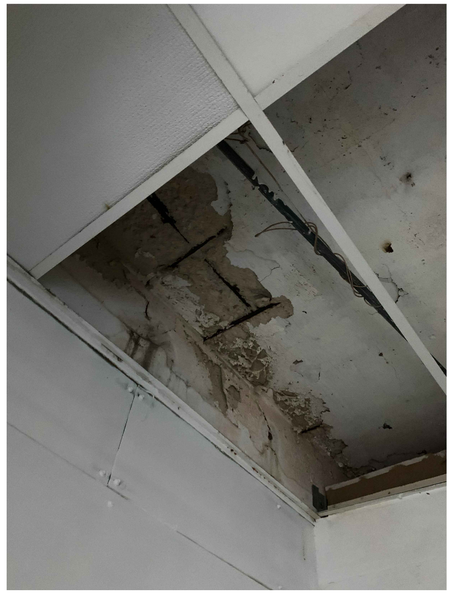


PHOTO 6
SCALE: N.T.S

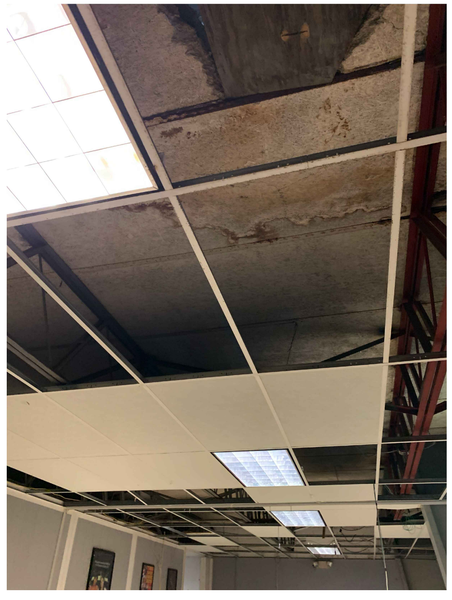


PHOTO 7
SCALE: N.T.S



PHOTO 8
SCALE: N.T.S

OWNER

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CAROLINA, PR

PHOTOS

DESIGNED BY: D.MUÑIZ
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DRAWING ID
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5 OF XX