

ZONING MAP

LOCATION MAP

FLOOD MAP

PROJECT: ATRIUM REPAIR, REMEDIATION, AND/OR REHABILITATION 2021-002

MARCH 19, 2021

"ATRIUM REPAIR, REMEDIATION, AND/OR REHABILITATION"

355 AVENUE FRANKLIN DELANO ROOSEVELT, SAN JUAN, P.R. 00918



INDEX OF DRAWINGS

TITLE PAGE

INDEX OF DRAWINGS

AS-BUILT

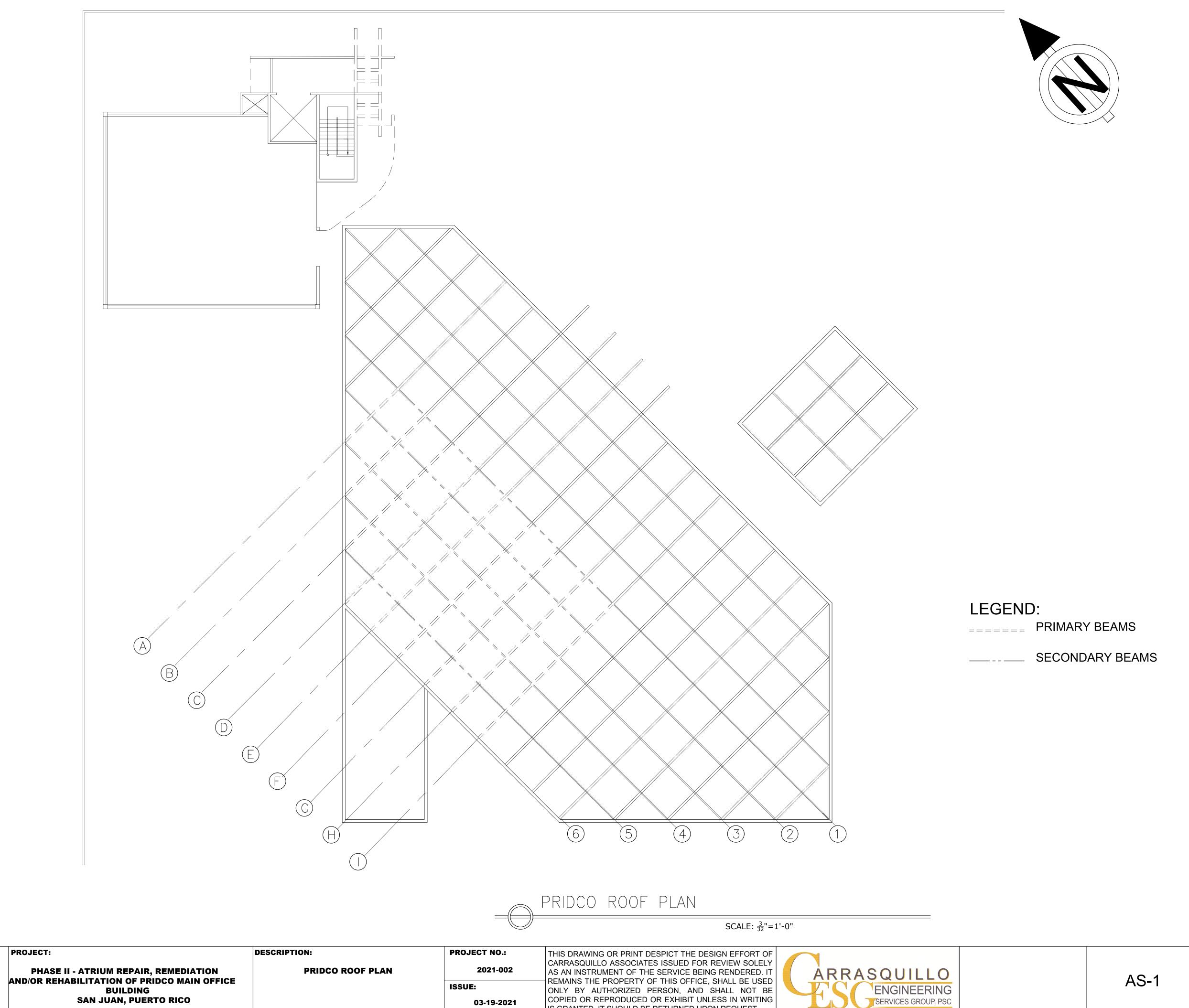
AS-1 PRIDCO ROOF PLAN

CONDITION ASSESSMENT

CA-1	CONDITION ASSESSMENT ROOF PLAN TRUSS TOP
CA-2	CONDITION ASSESSMENT ROOF PLAN TRUSS BOTTOM
CA-3	CONDITION ASSESSMENT ROOF PLAN TRUSS TOP
CA-4	CONDITION ASSESSMENT ROOF PLAN TRUSS BOTTOM
CA-5	CONDITION ASSESSMENT ROOF PLAN CONNECTION TOP
CA-6	CONDITION ASSESSMENT ROOF PLAN CONNECTION BOTTOM
CA-7	CONDITION ASSESSMENT ROOF PLAN JOIST WEB MEMBERS



DESCRIPTION:



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ISSUE:

03-19-2021

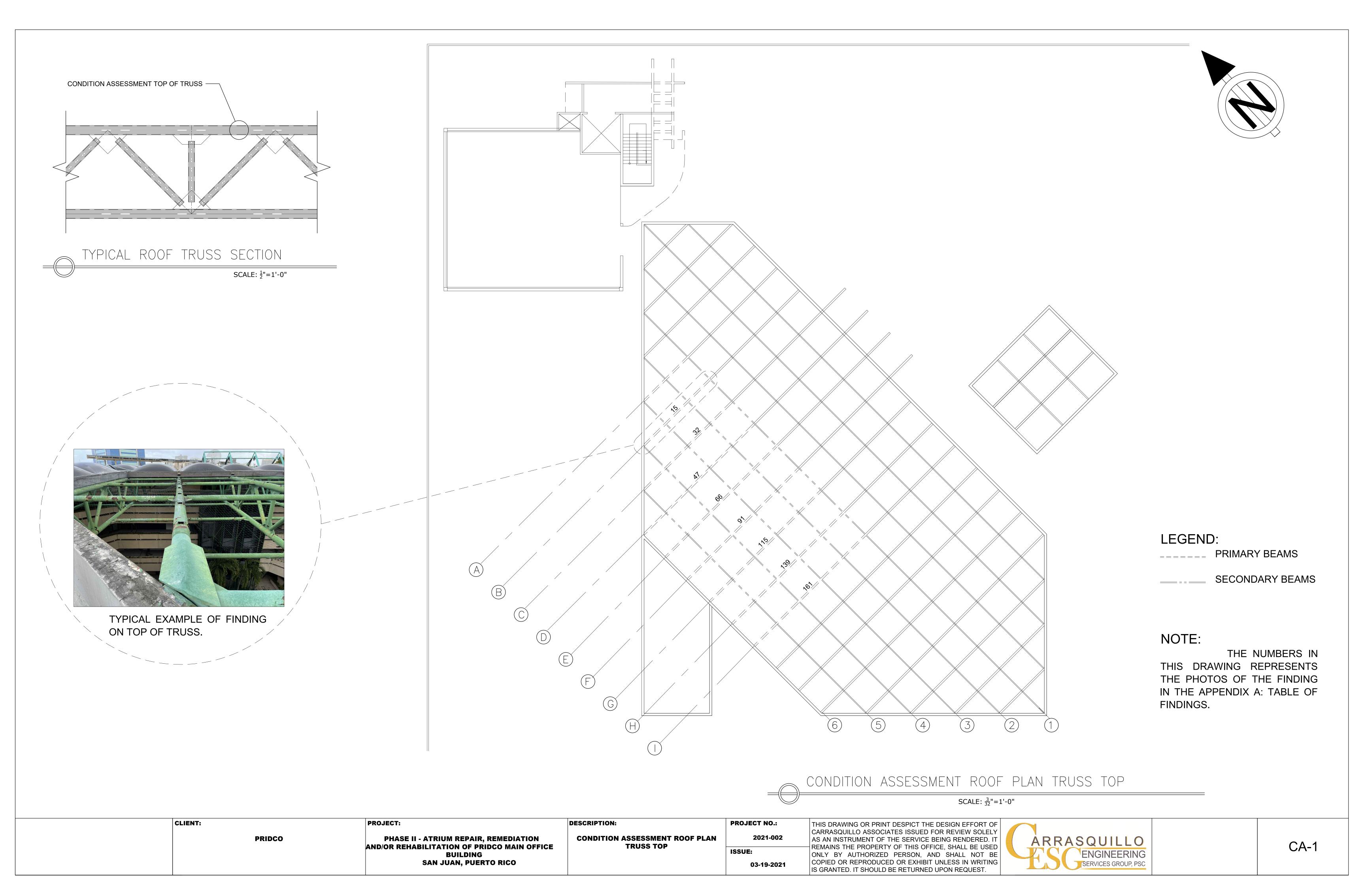
CLIENT:

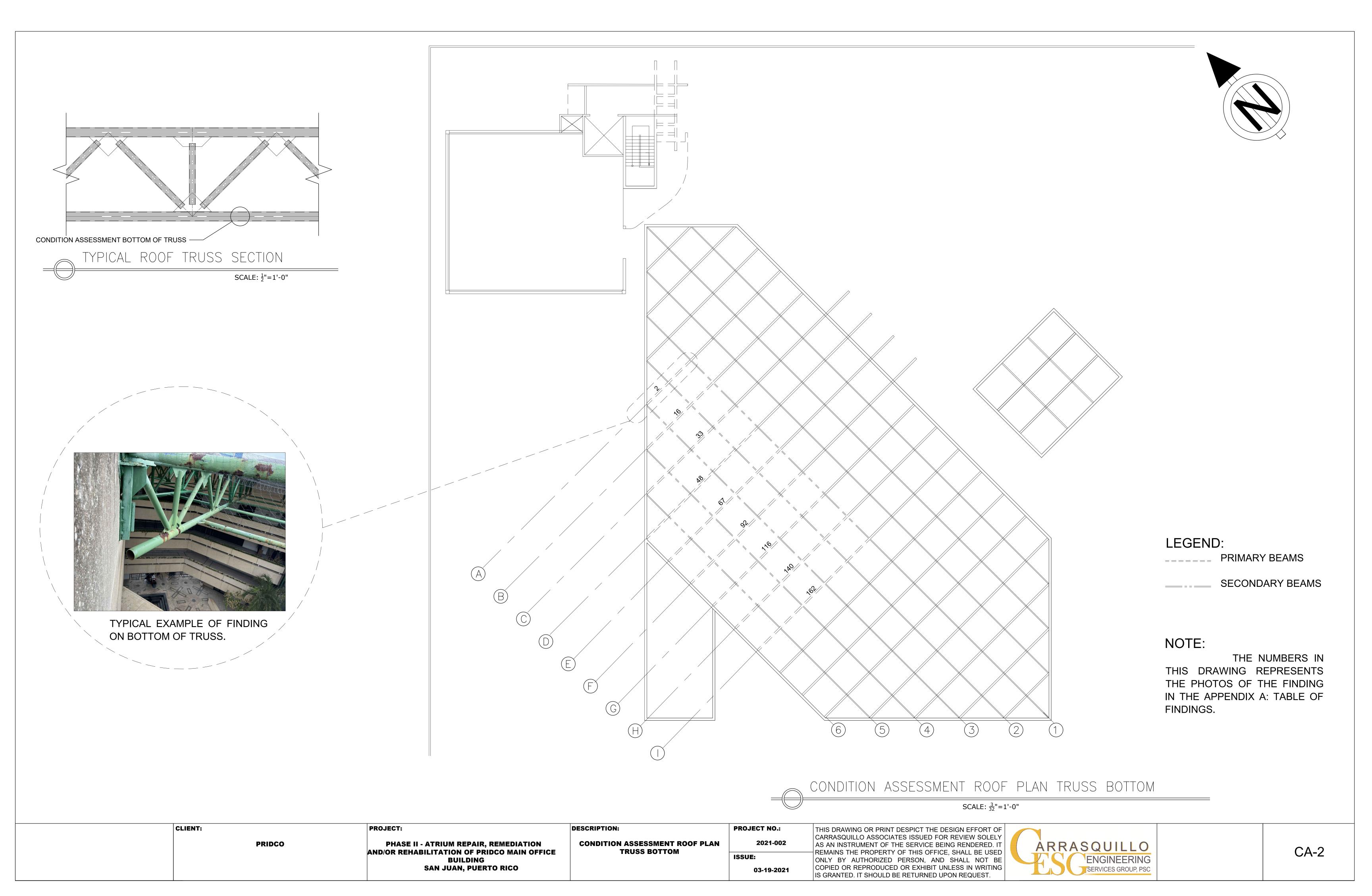
PRIDCO

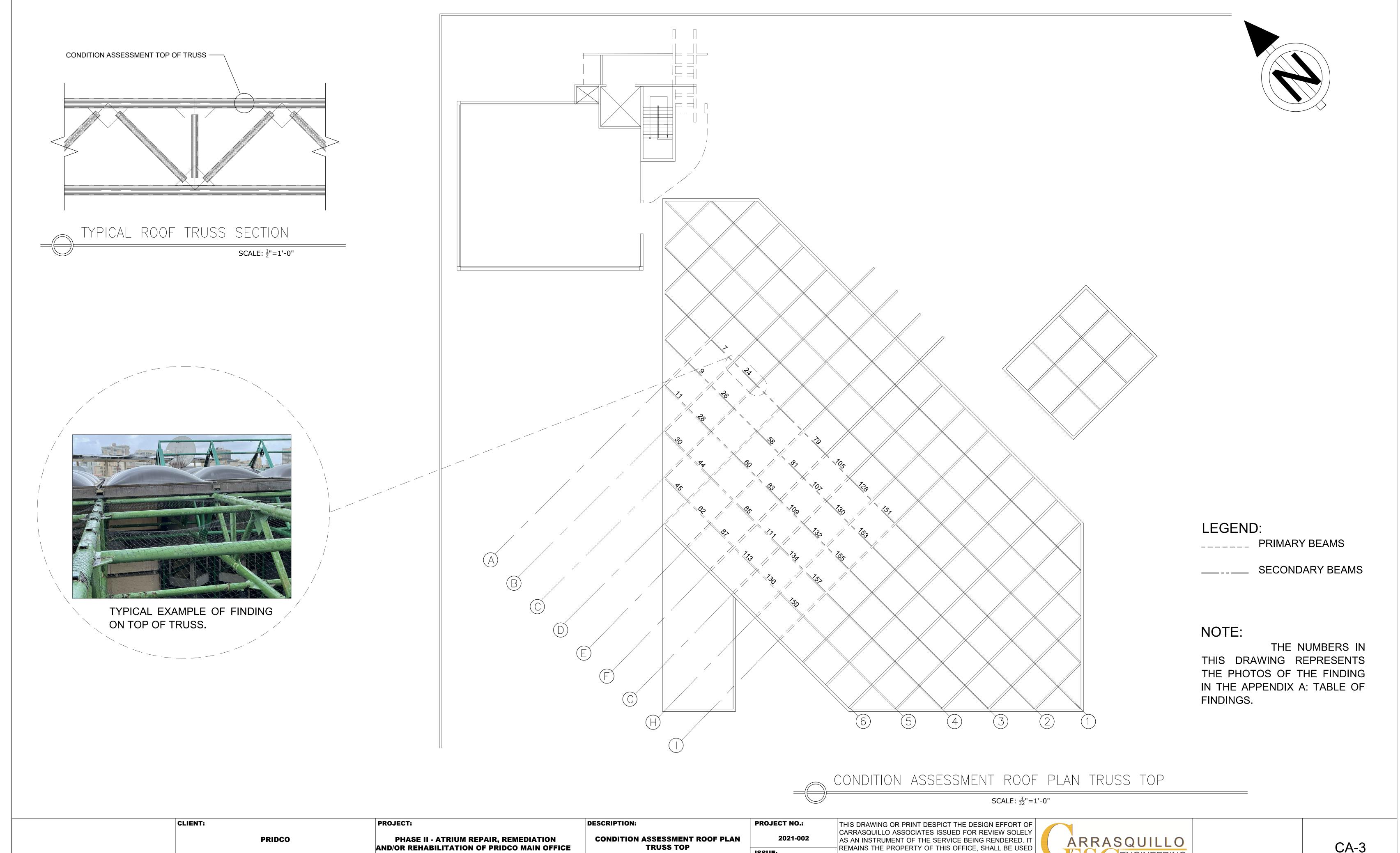
AS-1

ENGINEERING

SERVICES GROUP, PSC







TRUSS TOP

BUILDING SAN JUAN, PUERTO RICO ISSUE:

03-19-2021

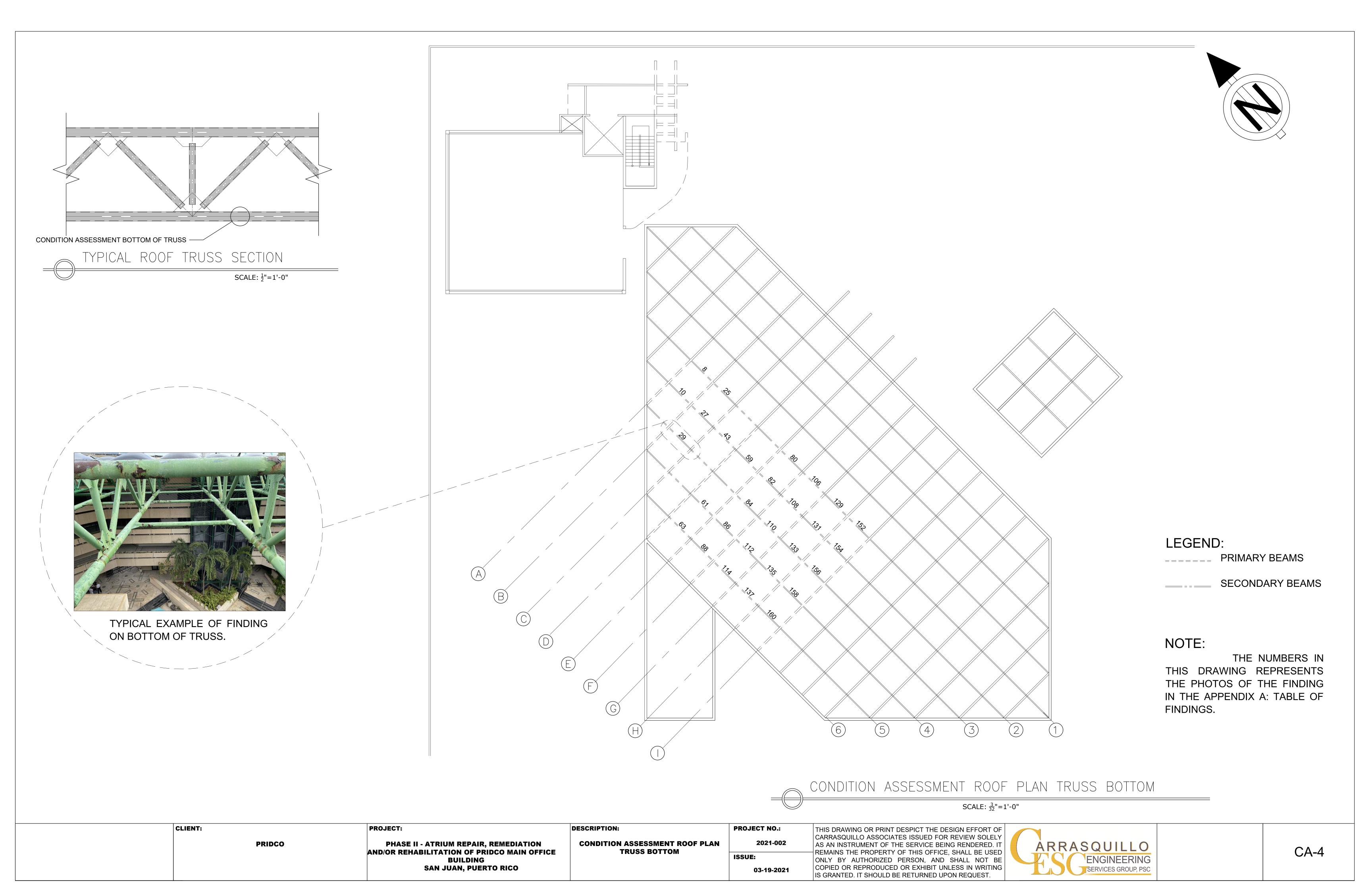
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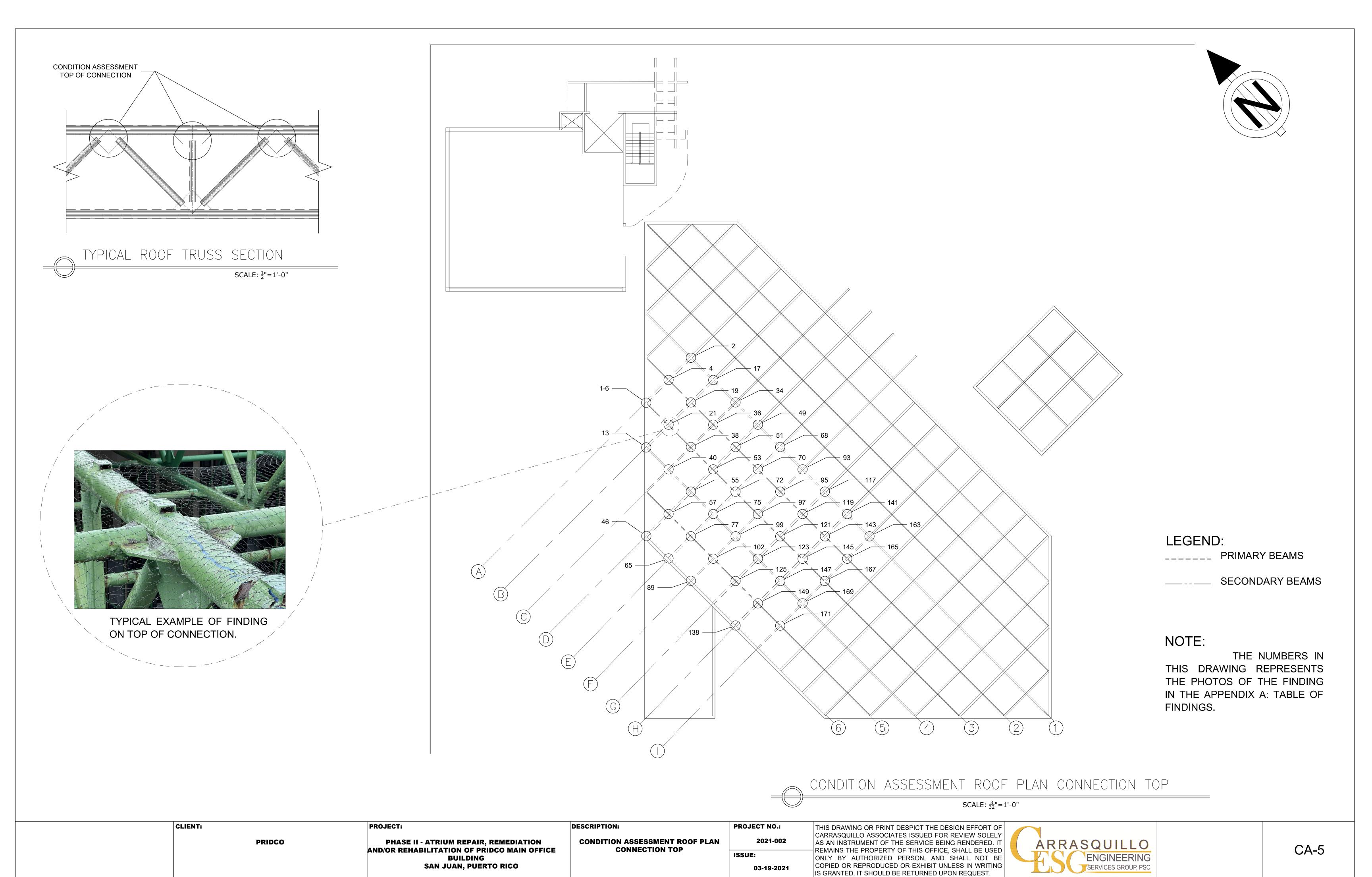
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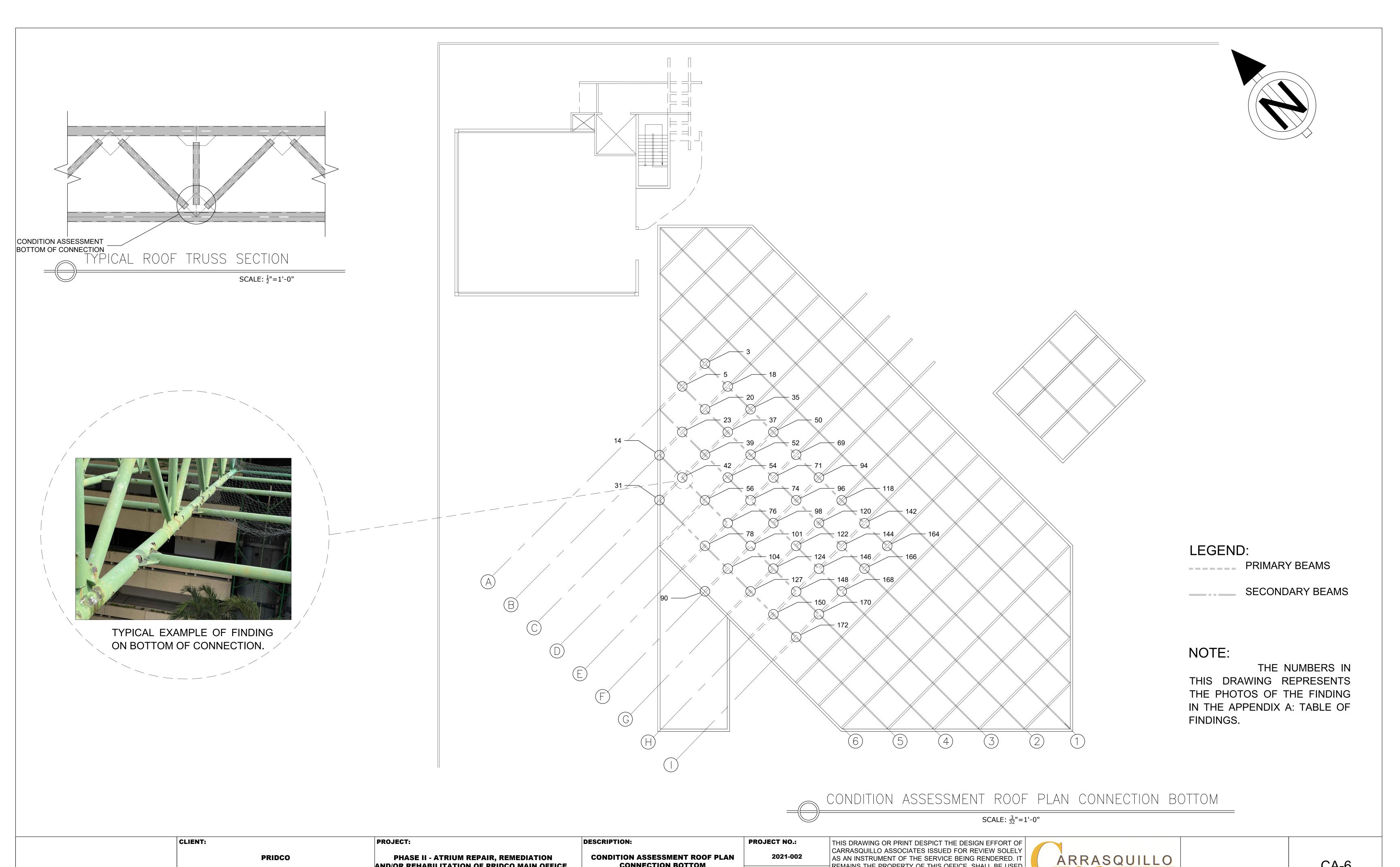
CA-3

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CONNECTION BOTTOM

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03-19-2021

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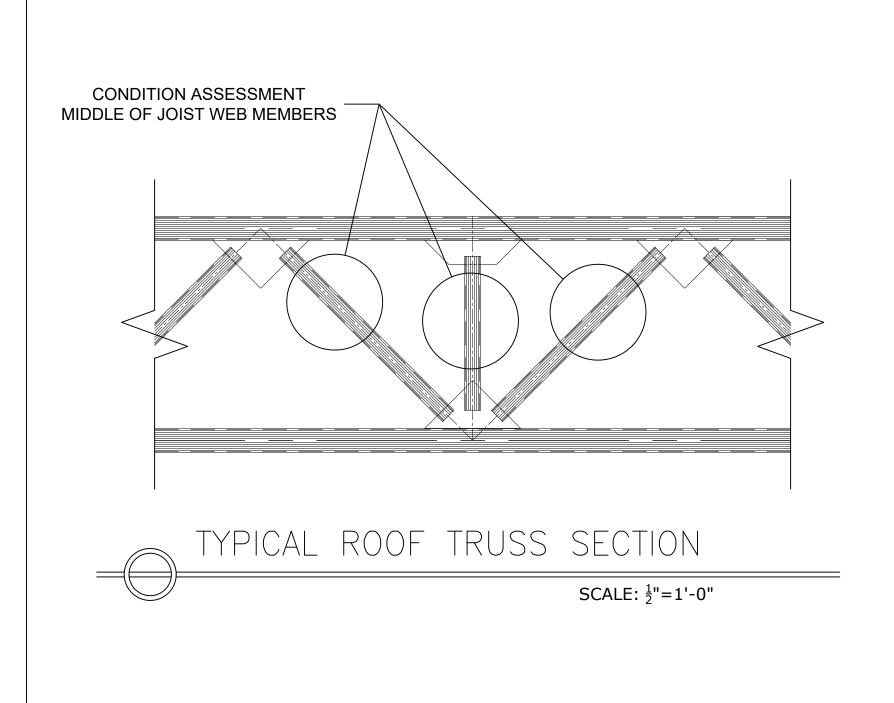
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AND/OR REHABILITATION OF PRIDCO MAIN OFFICE

BUILDING SAN JUAN, PUERTO RICO CA-6

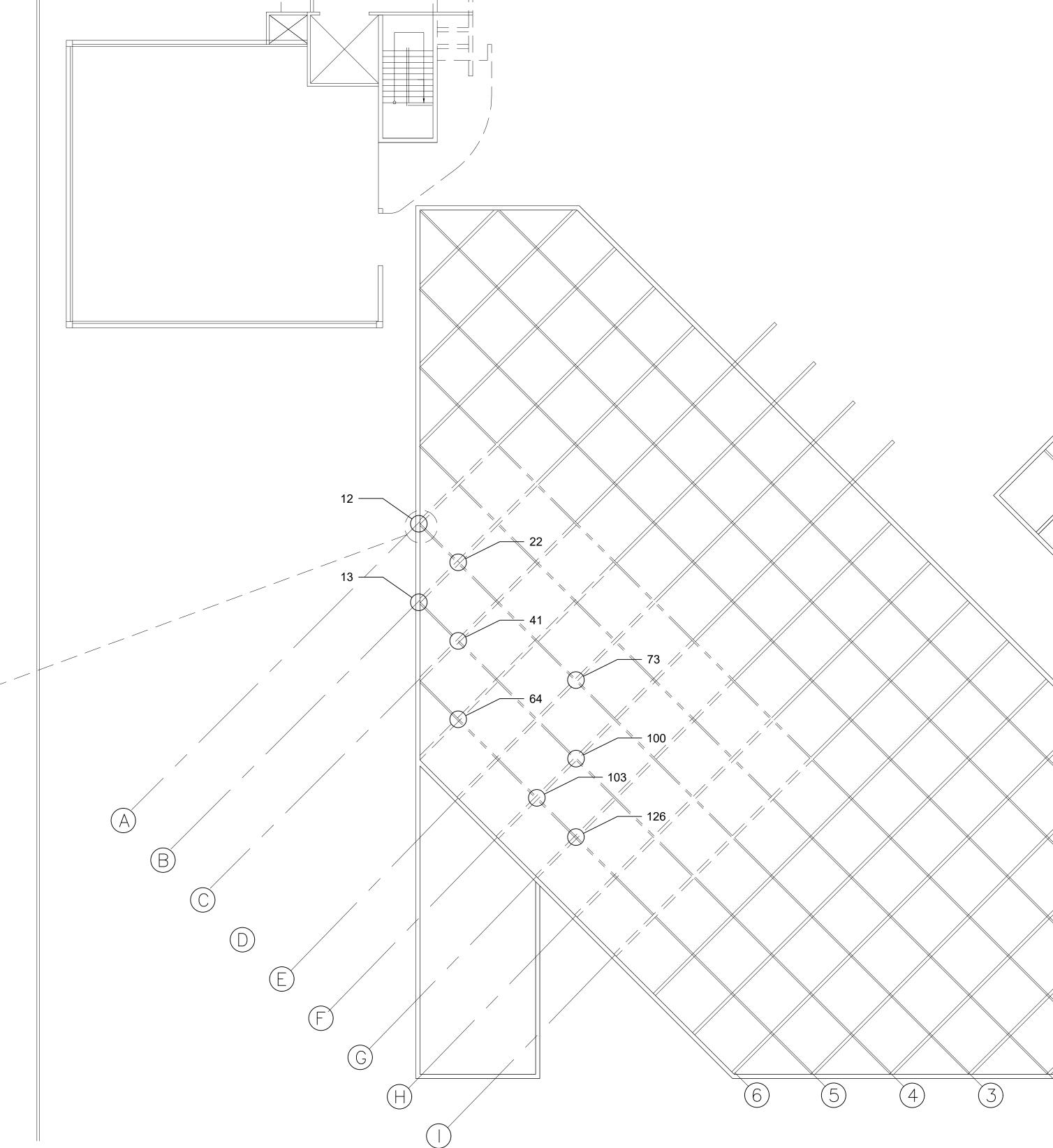
ENGINEERING

SERVICES GROUP, PSC



TYPICAL EXAMPLE OF FINDING

ON JOIST WEB MEMBERS.





LEGEND:
---- PRIMARY BEAMS

____ SECONDARY BEAMS

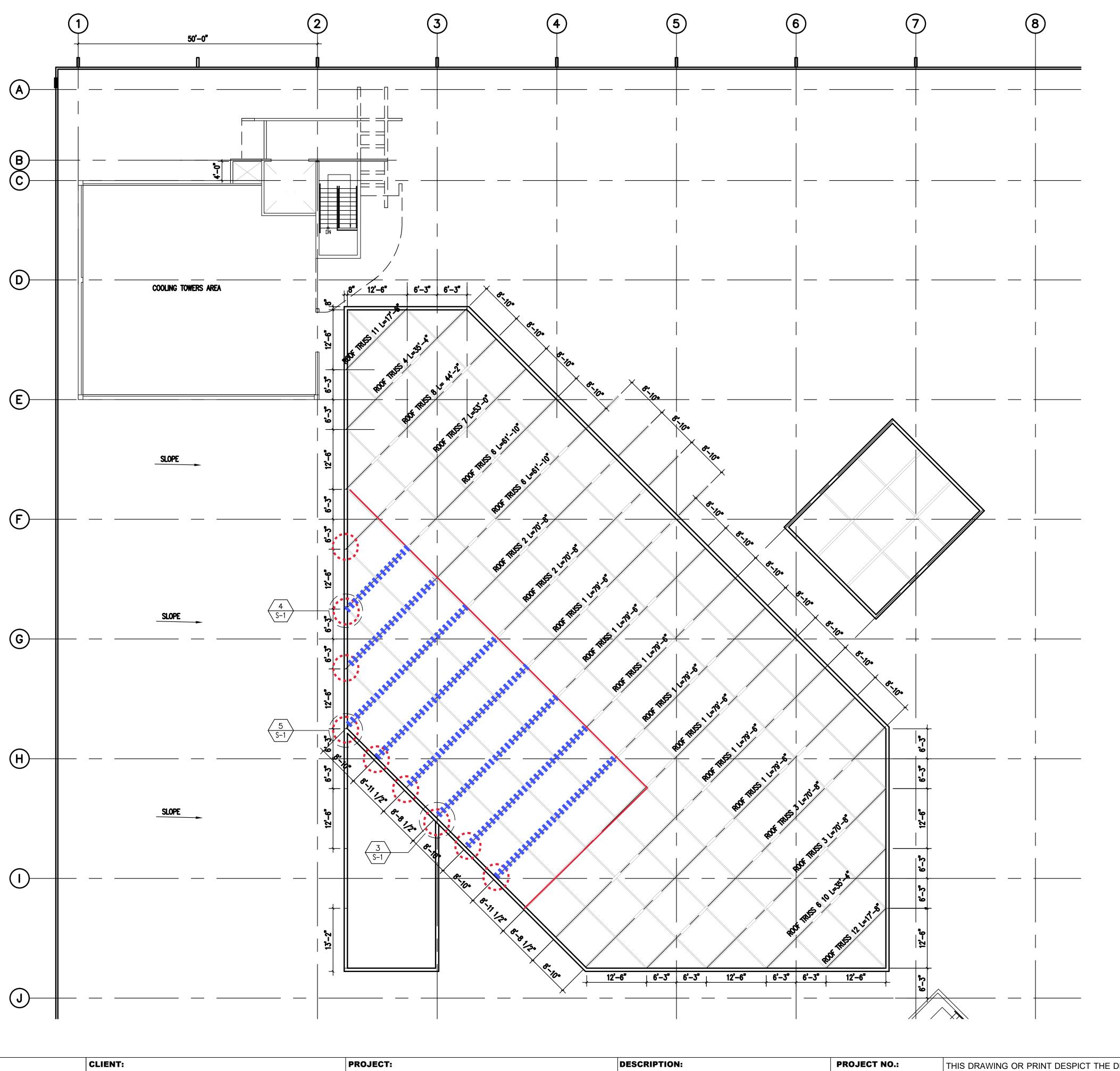
NOTE:

THE NUMBERS IN THIS DRAWING REPRESENTS THE PHOTOS OF THE FINDING IN THE APPENDIX A: TABLE OF FINDINGS.

CONDITION ASSESSMENT ROOF PLAN JOIST WEB MEMBERS

SCALE: $\frac{3}{32}$ "=1'-0"

PROJECT NO.: CLIENT: PROJECT: DESCRIPTION: PHASE II - ATRIUM REPAIR, REMEDIATION AND/OR REHABILITATION OF PRIDCO MAIN OFFICE CONDITION ASSESSMENT ROOF PLAN **PRIDCO** 2021-002 ARRASQUILLO CA-7 **JOIST WEB MEMBERS** ISSUE: ENGINEERING **BUILDING** SAN JUAN, PUERTO RICO COPIED OR REPRODUCED OR EXHIBIT UNLESS IN WRITING SERVICES GROUP, PSC 03-19-2021 IS GRANTED. IT SHOULD BE RETURNED UPON REQUEST.



Structural Trusses to be cut and replace by same dimensions and characteristics of the existing structural element. Full penetrating weld shall be performed to replace the damage truss.

CLIENT: **PRIDCO**

FOMENTO HEADQUARTERS HATO REY, PUERTO RICO

DESCRIPTION: **EXISTING** CONDITIONS **ROOF PLAN**

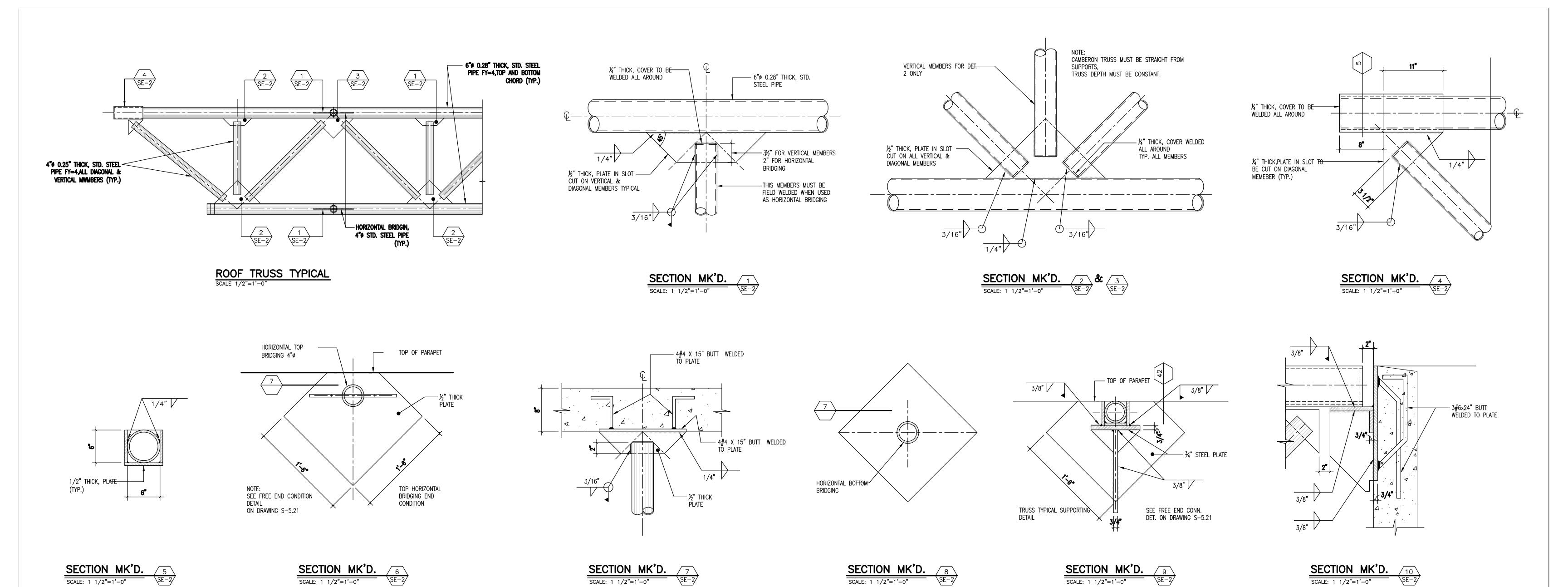
PROJECT NO.:

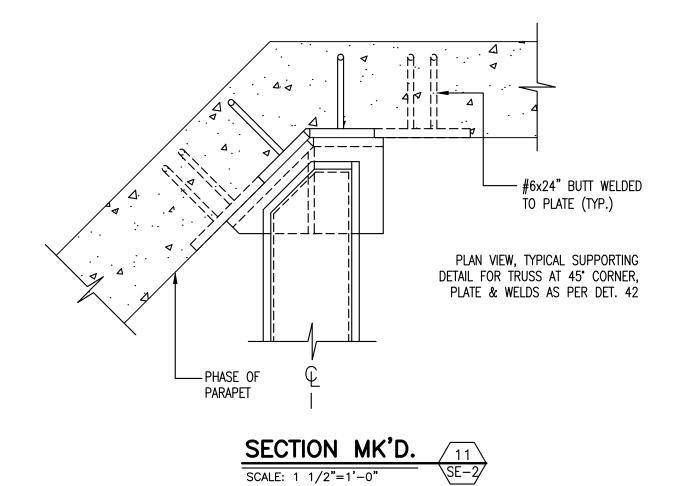
08-**31-201**8

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CLIENT: PROJECT: **PRIDCO** FOMENTO HEADQUARTERS HATO REY, PUERTO RICO

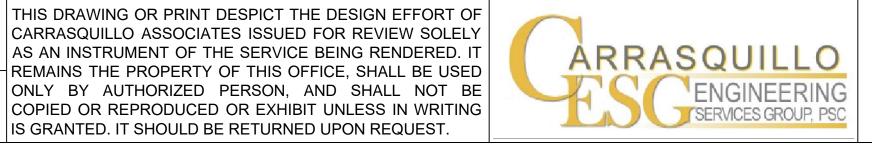
DESCRIPTION: EXISTING STRUCTURAL DETAILS

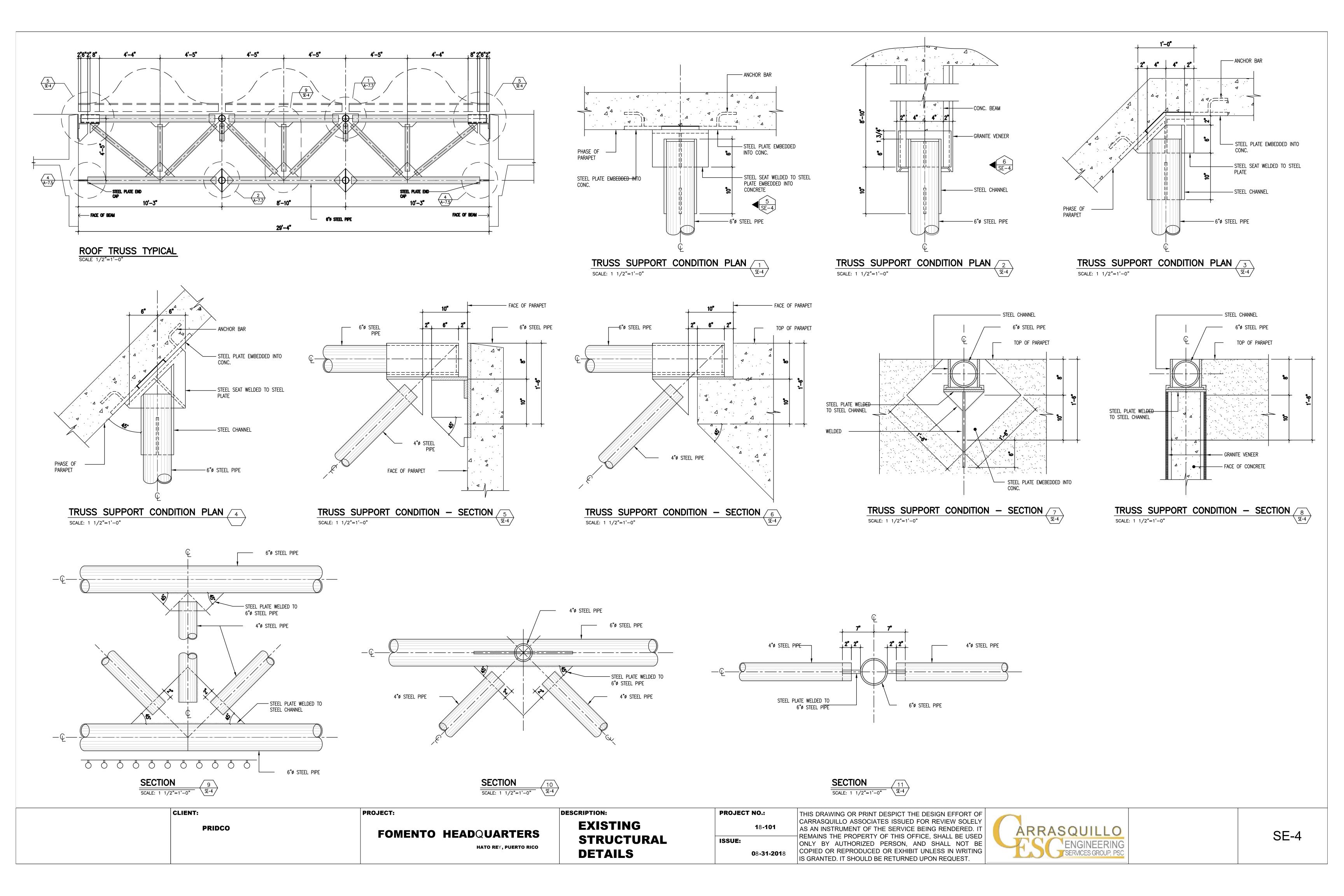
PROJECT NO.: 18-101

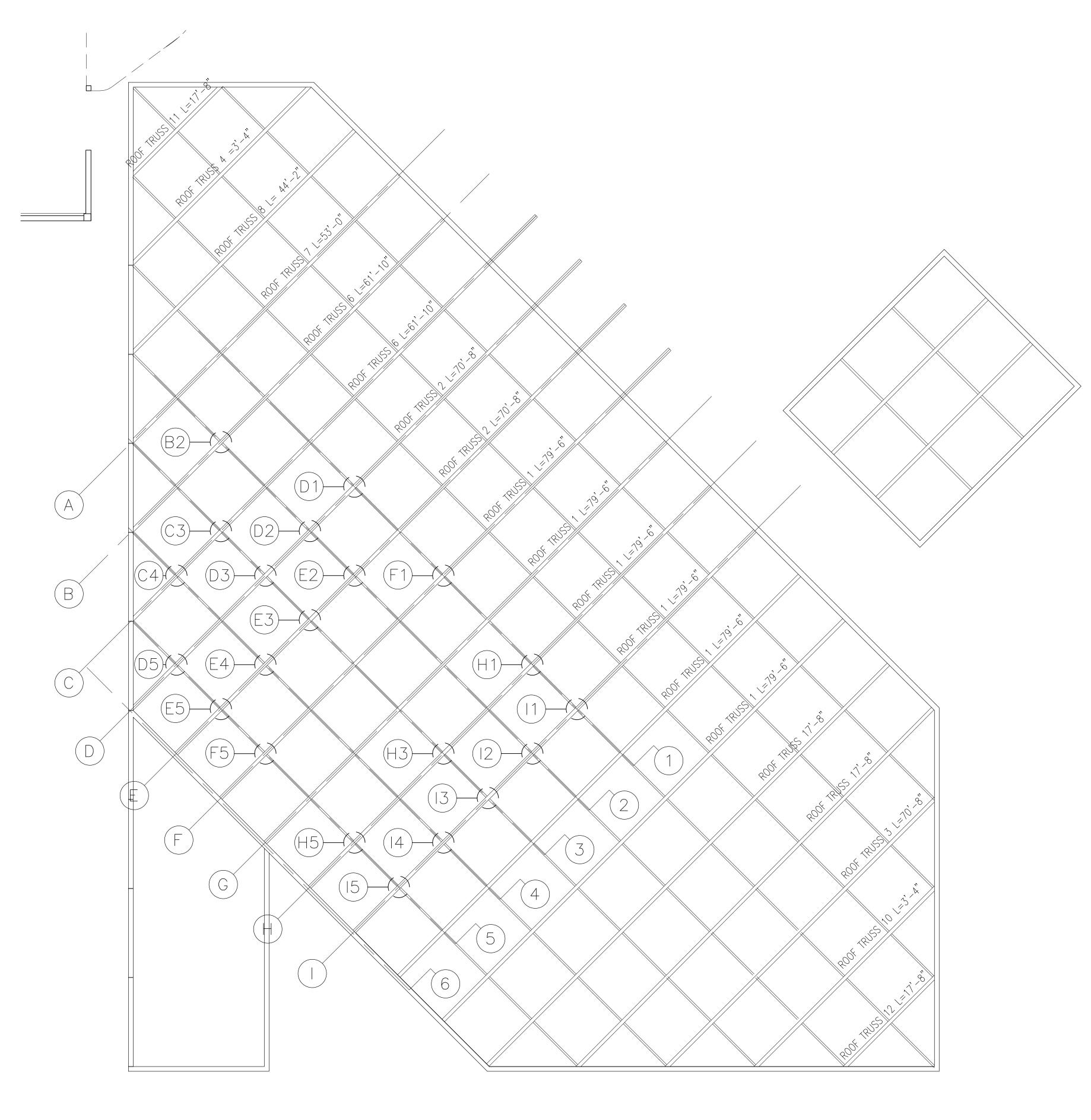
08**-31-201**8

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STEEL PLATE	REPAIR TABLE
AXIS LOCATION	ELEVATION
B2	TOP & BOTTOM
C3	BOTTOM
C4	TOP & BOTTOM
D1	BOTTOM
D2	BOTTOM
D3	BOTTOM
D5	TOP
E2	BOTTOM
E3	TOP & BOTTOM
E4	TOP
E5	TOP & BOTTOM
F1	TOP
F5	TOP
H1	TOP & BOTTOM
H3	TOP
H5	TOP
	TOP
12	TOP
13	BOTTOM
4	TOP
15	TOP

STEEL BEAM	REPAIR TABLE
AXIS LOCATION	ELEVATION
A1-A3	BOTTOM
A2-B2	TOP
A3-B3	TOP
B1-B4	TOP & BOTTOM
B4-C4	TOP
C1-C5	TOP & BOTTOM
D2-E2	TOP & BOTTOM
D3-E3	TOP
D5-E5	BOTTOM
E1-E6	BOTTOM
E2-F2	TOP
E5-F5	BOTTOM
F1-F6	TOP
F2-G2	TOP
G1-G6	TOP & BOTTOM
G2-H2	TOP
H1-H6	TOP & BOTTOM
H2-I2	TOP
H4-I4	TOP

STRUCTURAL TRUSS ROOF PLAN (TO BE REPAIR)

SCALE 1/8"=1'-0"

CLIENT: PROJECT: **PRIDCO** FOMENTO HEADQUARTERS HATO REY, PUERTO RICO

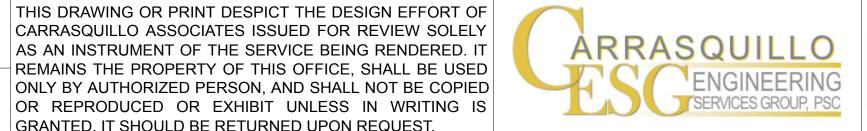
DESCRIPTION: STRUCTURAL TRUSS **ROOF PLAN**

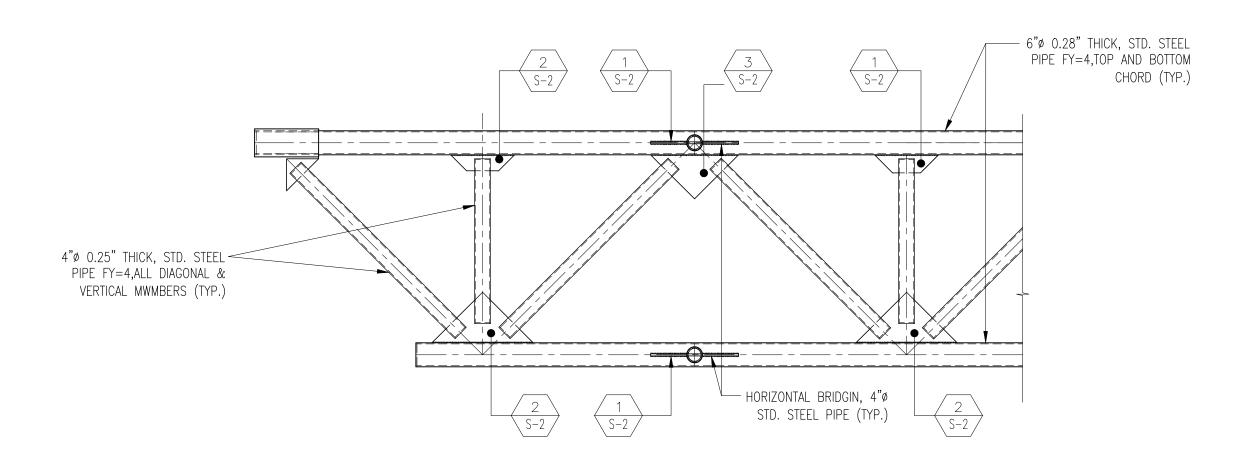
PROJECT NO.: 18-101

04-15-2021

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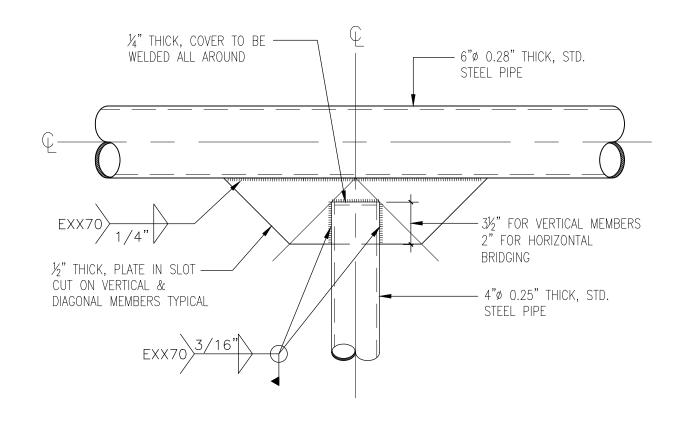




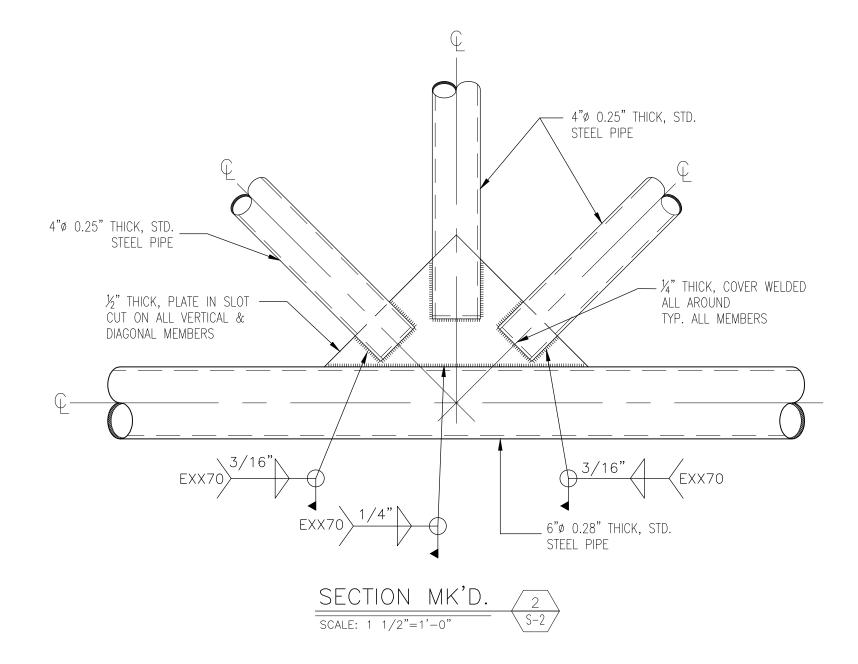
TYPICAL ROOF TRUSS TO BE REPAIR SCALE 1/2"=1'-0"

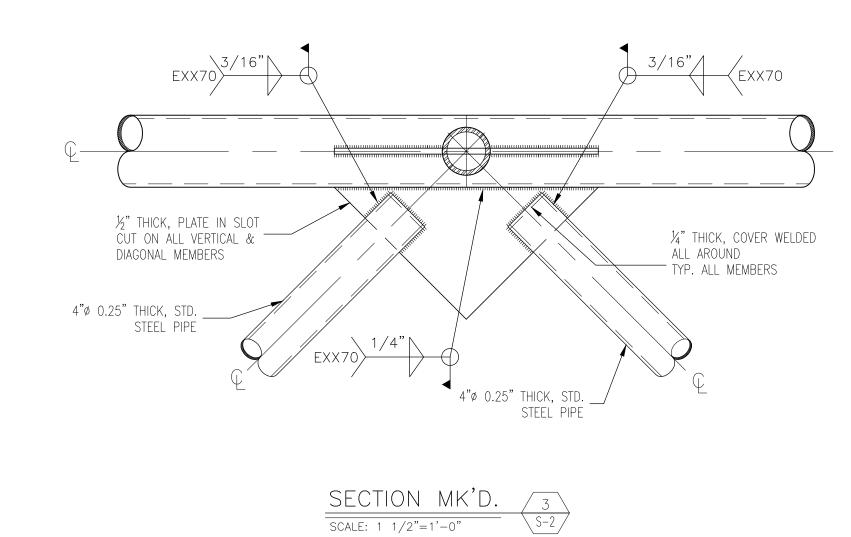
STRUCTURAL NOTES REPAIR

- 1. STRUCTURAL PIPE SECTION OR PLATE WITH ACTIVE CORROSION SHALL BE CLEAN WITH A WIRE BRUSH OR AIR PRESSURE TO REMOVE RUST, PAINT, GREASE OR OIL.
- 2. IF SECTIONAL AREA IS LESSER THAN 90% OF THE ORIGINAL SECTIONAL AREA REPLACE THE PLATE OR PIPE SECTION, SAME AS EXISTING. (SEE REPLACE DETAILS)
- 3. IF SECTIONAL AREA IS GREATER THAN 90% OF THE ORIGINAL SECTIONAL AREA DO NOT REPLACE. APPLY TOP COAT OF RED OXIDE AND COLD GALVANIZED PAINTED.
- 4. WELDS WITH ACTIVE CORROSION SHALL BE CLEAN AND WELD AGAIN, SAME AS EXISTING. (SEE REPAIR DETAILS)

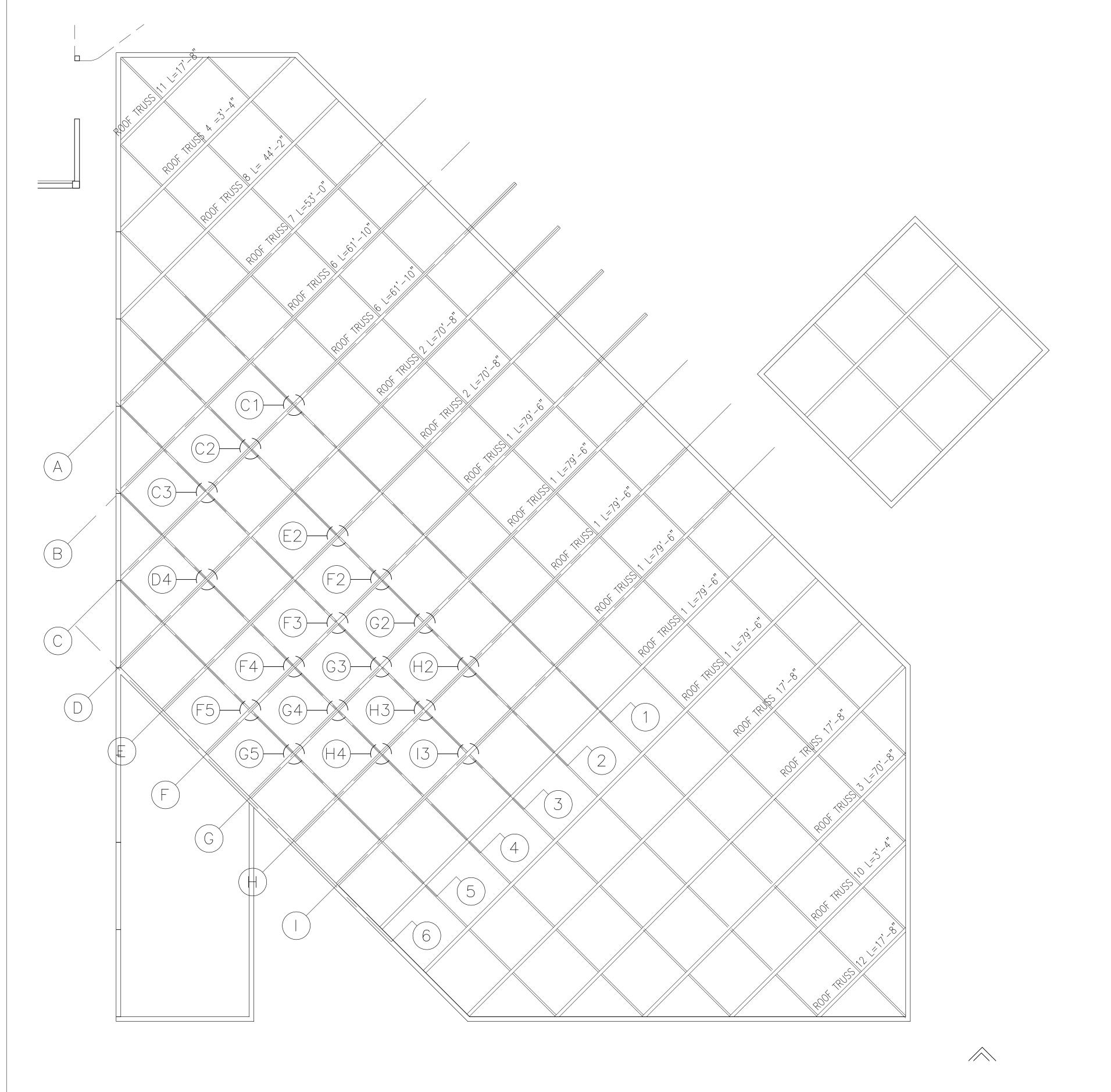


SECTION MK'D. 1 SCALE: 1 1/2"=1'-0" S-2





04-15-2021



STEEL PLATE REPLACE TABLE		
AXIS LOCATION	ELEVATION	
C1	TOP	
C2	TOP & BOTTOM	
C3	TOP	
D4	BOTTOM	
E2	TOP	
F2	TOP	
F3	TOP	
F4	TOP & BOTTOM	
F5	BOTTOM	
G2	TOP & BOTTOM	
G3	BOTTOM	
G4	TOP & BOTTOM	
G5	BOTTOM	
H2	TOP & BOTTOM	
H3	BOTTOM	
H4	TOP & BOTTOM	
13	TOP	

STEEL BEAM	REPLACE TABLE
AXIS LOCATION	ELEVATION
D1-D6	BOTTOM
E4-F4	TOP
F1-F6	BOTTOM
F4-G4	TOP & BOTTOM
F5-G5	TOP
G2-H2	BOTTOM
G3-H3	BOTTOM
G4-H4	TOP & BOTTOM
H3-I3	TOP

STRUCTURAL TRUSS ROOF PLAN (TO BE REPLACE)

SCALE 1/8"=1'-0"

PRIDCO

PRIDCO

FOMENTO HEADQUARTERS

HATO REY, PUERTO RICO

STRUCTURAL TRUSS
ROOF PLAN

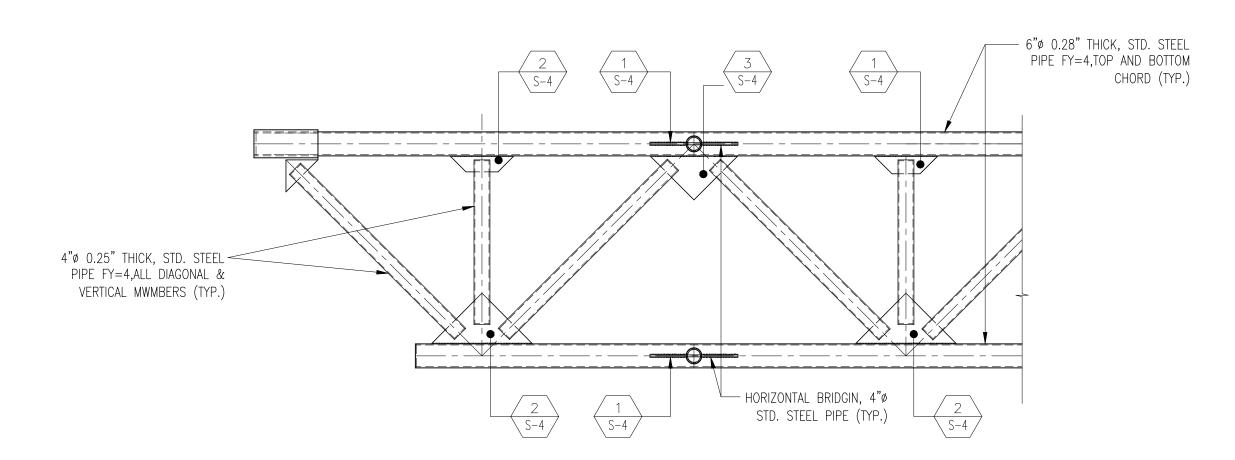
PROJECT NO.: 18-101

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TYPICAL ROOF TRUSS TO BE REPLACE SCALE 1/2"=1'-0"

GENERAL NOTES:

- 1 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- 2 DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
- 3 NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- 4 THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL PRECAUTIONS AND MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH PRECAUTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 5 ASTM SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
- 6 DESIGN LIVE LOADS:
- WIND AND EARTHQUAKE FORCES AS PER PUERTO RICO BUILDING CODE AND OTHER APPLICABLE SPECIFICATIONS AND CODES:
- A. PR BUILDING CODE
- B. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 7.
- C. AMERICAN CONCRETE INSTITUTE (ACI)
- D. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) AND METAL BUILDING CATEGORY CERTIFIED.
- E. AMERICAN WELDING SOCIETY (AWS) F. STEEL DECK INSTITUTE (SDI)
- G. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
- H. AMERICAN IRON AND STEEL INSTITUTE

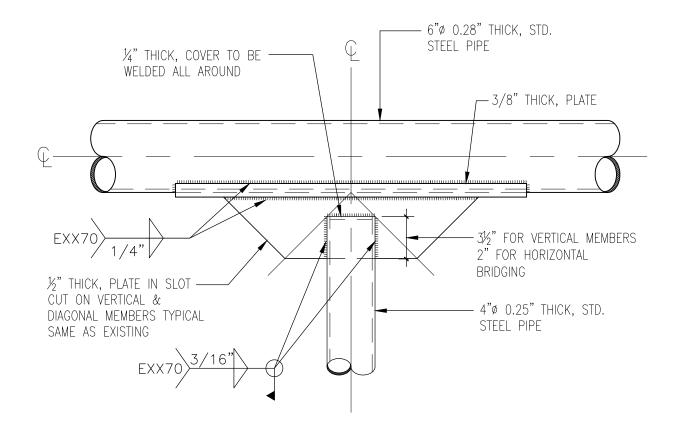
F.B.E. FOOTING BOTTOM ELEVATION F.F.E. FINISH FLOOR ELEVATION

ABBREVIATIONS:

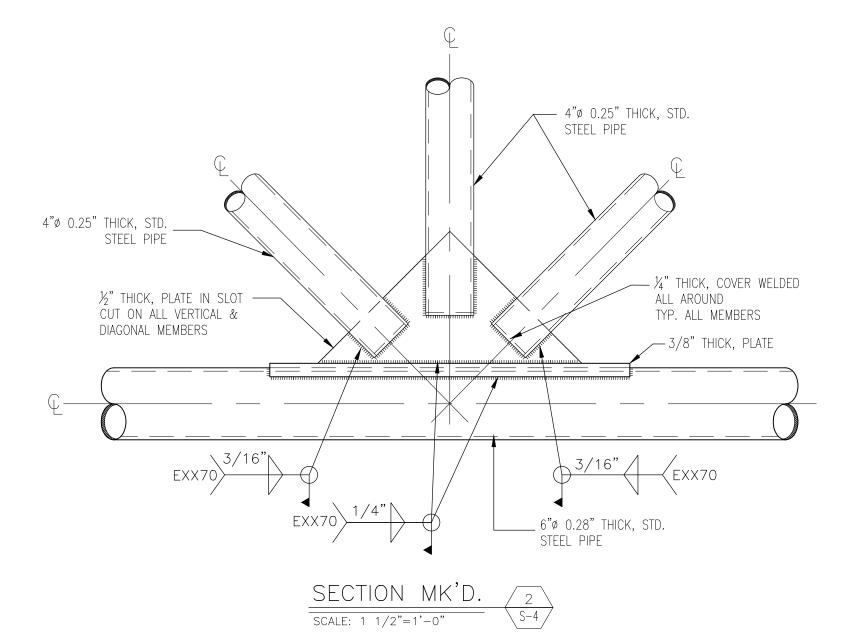
ADD ADDITIONAL FT FEET . BOTTOM GALV GALVANIZED EACH WAYS L.L. LOWER LAYER .. CENTER TO CENTER MAX MAXIMUM MECH MECHANICAL . CLEAR COL COLUMN .. MINIMUM REINF REINFORCEMENT CONSTRUCTION SPECS SPECIFICATIONS CONTINUOUS CONT STD STANDARD DETAIL STL STEEL DRAWING SUP SUPPLEMENTARY EACH T TOP E.E. EACH END ELEV ELEVATION TYP TYPICAL

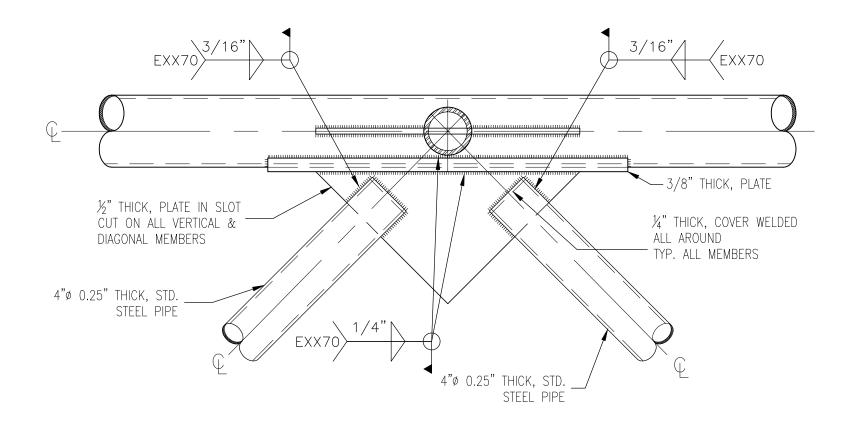
STRUCTURAL STEEL

- 1 STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (LATEST EDITION AND SUPPLEMENTS).
- 2 ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION A-572GRADE 50 AS NOTED.
- 3 PIPE COLUMNS SHALL CONFORM TO ASTM DESIGNATION A-501. STEEL TUBES SHALL CONFORM TO ASTM A-500 GR."B".
- 4 ALL STRUCTURAL STEEL SURFACES THAT ARE ENGASED IN CONCRETE OR MASONRY OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED.
- 5 ALL WELDS SHALL BE IN CONFORMITY WITH THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1-83) OF THE AMERICAN WELDING SOCITY WITH E-70FLECTRODES. SEE SPECIFICATIONS.
- 6 WELD LENGTHS CALLED FOR AN PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED.
- 7 WELDING TEST AND INSPECTIONS SEE SPECIFICATIONS.
- 8 FIELD TOP COAT: ALL STEEL RED OXIDE AND COLD GALVANIZED PAINTED.
- 9 CONTRACTOR SHALL SUBMIT FABRICATION AND ERECTION SHOP DRAWINGS, PRIOR TO FABRICATION, FOR APPROVAL, INCLUDING MILL CERTIFICATION, SHOP DRAWINGS. SHOP DARWINGS SHALL BE SEALED AND STAMPED BY A PROFESSIONAL STRUCTURAL ENGINNER LICENSED IN PUERTO RICO.



SECTION MK'D. 1 SCALE: 1 1/2"=1'-0"





SECTION MK'D. 3 SCALE: 1 1/2"=1'-0"

CLIENT: PROJECT: **PRIDCO FOMENTO HEADQUARTERS** HATO REY, PUERTO RICO **DESCRIPTION: SECTION, DETAILS** & NOTES

PROJECT NO.: 18-101 ISSUE:

04-15-2021

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