Indian River County Purchasing Division purchasing@ircgov.com



ADDENDUM NO. 1

Issue Date: October 12, 2020

JACKIE ROBINSON TRAINING COMPLEX CAMERA STANDS -

IRC 2011

Bid Number: 2021009

Bid Opening Date: November 4, 2020

This addendum is being released to modify bid documents.

The information and documents contained in this addendum are hereby incorporated in the invitation to bid. This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.

Modifications to Bid Documents:

Plan Sheets S1-S4 have been updated. Replace sheets S1-S4 with the attached, which indicate Revision 1.

Attachments:

Project Name:

Revision 1 Plan Sheets S1, S2, S3 and S4

STRUCTURAL-GENERAL NOTES **DESIGN CRITERIA AND LOADS**

- WIND DESIGN: WIND SPEED (MPH) RISK CATEGORY EXPOSURE CATEGORY
- **ENCLOSURE CLASSIFICATION** INTERNAL PRESSURE COEFFICIENT **TOPOGRAPHIC FACTOR**
- DESIGN LIVE LOADS:
- a. PLATFORM 150 PSF 100 PSF b. STAIRS 50 LBS/FT OR 200 LBS TO BE APPLIED c. RAILINGS & GUARDRAILS

V(ADJ)=124 V(ULT)=160

OPEN

CPI = +/-0.00

KZT =1.0

AT ANY DIRECTION TO THE TOP RAIL.

- DESIGN DEAD LOADS a. PLATFORM
- THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY THE STRUCTURAL ENGINEER OF RECORD (SER) OF ANY ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING LOAD IMPOSED ONTO THE STRUCTURE THAT DIFFERS FROM, OR THAT IS NOT DOCUMENTED ON THE ORIGINAL CONTRACT DOCUMENTS (ARCHITECTURAL/ STRUCTURAL/ MECHANICAL/ ELECTRICAL OR PLUMBING DRAWINGS). PROVIDE DOCUMENTATION OF LOCATION, LOAD,
- SIZE AND ANCHORAGE OF ALL UNDOCUMENTED LOADS IN EXCESS OF 400 POUNDS. PROVIDE MARKED-UP STRUCTURAL PLAN INDICATING LOCATIONS OF ANY NEW EQUIPMENT OR LOADS. SUBMIT PLANS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
- **GENERAL REQUIREMENTS**
- PLAN AND DETAIL NOTES AND SPECIFIC LOADING DATA PROVIDED ON INDIVIDUAL PLANS AND DETAIL DRAWINGS SUPPLEMENTS INFORMATION IN THE STRUCTURAL GENERAL
- THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE "FLORIDA BUILDING CODE (FBC)", SIXTH EDITION, HEREAFTER REFERRED TO AS THE FBC, AS ADOPTED AND MODIFIED BY THE AUTHORITY HAVING JURISDICTION (AHJ) WHERE OTHER STANDARDS ARE NOTED IN THE DRAWINGS, USE THE LATEST EDITION OF
- ENTIRE STANDARD. REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING BUT NOT LIMITED TO: DIMENSIONS, ELEVATIONS, SLOPES, DOOR AND WINDOW OPENINGS, NON-BEARING WALLS, STAIRS, FINISHES, DRAINS, WATERPROOFING, RAILINGS, CURTAIN WALLS, DEPRESSIONS,

THE STANDARD UNLESS A SPECIFIC DATE IS INDICATED. REFERENCE TO A SPECIFIC

SECTION IN A CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE

- MECHANICAL UNIT LOCATIONS, AND OTHER NONSTRUCTURAL ITEMS THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK WITH ARCHITECT, ENGINEER(S) AND OTHER TRADES; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNIQUES OF ASSEMBLY; AND FOR PERFORMING WORK IN A SAFE
- AND SECURE MANNER. IN CASE OF DISCREPANCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS PLAN/DETAILS, REFERENCE STANDARDS, THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK, UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ARCHITECT ENGINEER AS TO WHICH SHALL GOVERN. ACCORDINGLY, ANY CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE A BASIS FOR ADJUSTMENT IN THE CONTRACT
- THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB RELATED SAFETY STANDARDS SUCH AS OSHA AND DOSH (DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH).
- THE STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT AND ARE NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. ARCHITECTURAL DRAWINGS SHALL GOVERN THE WORK FOR ALL DIMENSIONS.
- ALTERNATE PRODUCTS OF SIMILAR STRENGTH. NATURE AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION TO THE ARCHITECT/ENGINEER FOR REVIEW, ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. ALTERNATES THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER.
- 10. ALL BUILDING SITES SHALL BE GRADED TO PROVIDE DRAINAGE UNDER ALL PORTIONS OF THE BUILDING AND AROUND THE BUILDING PERIMETER TO ALLOW DRAINAGE AWAY FROM THE STRUCTURE.
- 11. SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, DIMENSIONS, ELEVATIONS, ETC.
- 12. SHOP DRAWINGS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED
- 13. CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS SHALL BE CLEARLY CLOUDED AND NOTED. ARCHITECT/ENGINEER REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL.
- DISCREPANCIES, OMISSIONS, OR INCONSISTENCIES WITH APPLICABLE CODE REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN 10. WRITING BEFORE SUBMITTING A BID OR PROCEEDING WITH THE WORK.
- 15. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO EARTHWORK, FOUNDATIONS, SHORING, AND EXCAVATION, ANY UTILITY INFORMATION SHOWN ON THE DRAWINGS AND DETAILS IS APPROXIMATE AND NOT NECESSARILY COMPLETE.
- 16. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. CONFLICTS BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK

STRUCTURAL CERTIFICATION

- 1. I CERTIFY THAT THE PLANS AND SPECIFICATIONS COMPLY WITH THE STRUCTURAL PORTION OF THE FLORIDA BUILDING CODE SIXTH EDITION.
- I ALSO CERTIFY THAT STRUCTURAL ELEMENTS DEPICTED ON THESE PLANS PROVIDE ADEQUATE RESISTANCE TO THE WIND LOADS SPECIFIED IN SECTION 1609 IN THE FBC.
- **FOUNDATION AND SLABS ON GRADE** FOUNDATION IS DESIGNED BASED ON PRESUMPTIVE SAFE ALLOWABLE BEARING PRESSURE OF 2,000 PSF. CONTRACTOR SHALL VERIFY THAT THE MINIMUM BEARING PRESSURE IS OBTAINED PRIOR TO FOOTING PLACEMENT
- FOUNDATIONS WERE DESIGNED FOLLOWING THE RECOMMENDATIONS OF KSM ENGINEERING & TESTING. AS STATED IN THEIR REPORT, FILE NO 203031-b, DATED JULY 6, 2020.
- THE ARCHITECT /ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY INTERPRETATION THAT THE SUBSURFACE CONDITIONS DESCRIBED IN THE TEST BORING LOGS OCCUR CONSISTENTLY THROUGHOUT THE JOB SITE. TEST BORINGS ARE INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT SOIL CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND AT THE PARTICULAR TIMES THEY WERE TAKEN.
- REINFORCED FOUNDATION REQUIREMENTS USED IN THE DESIGN:
- a. MINIMUM DEPTH BELOW FINISHED GRADE. b. MAXIMUM ALLOWABLE BEARING CAPACITY.
- ...2,000 PSF . 200 PCI c. MODULUS OF SUBGRADE REACTION.
- 250 PSF d. PASSIVE LATERAL PRESSURE..
- e. ACTIVE LATERAL PRESSURE (UNRESTRAINED)55 PSF
- f. ACTIVE LATERAL PRESSURE (RESTRAINED)...
- g. COEFFICIENT OF SLIDING FRICTION.. ALL FOUNDATION CONCRETE SHALL BE CAST IN THE DRY. DEWATERING OPERATION SHALL BE DONE IN SUCH A WAY THAT GROUND WATER LEVELS OUTSIDE THE SITE WILL BE

..1'-0"

REMOVE AND REPLACE MINIMUM 1 FEET OF EXISTING SOIL BELOW FOUNDATION WITH COMPACTED, MOISTURE-TREATED, NON-EXPANSIVE FILL MATERIAL. FILL AREA SHALL EXTEND 1 FOOT BEYOND FOUNDATION FOOTPRINT.

MAINTAINED TO AVOID SETTLEMENT AND DAMAGE TO NEARBY BUILDINGS AND

- FOR SITE PREPARATION, REMOVE DELETERIOUS MATERIAL SUCH AS VEGETATION. ORGANIC SOILS AND ROOT ZONES, EXISTING FILL, OR LOOSE, SOFT FROZEN, OR OTHERWISE UNSUITABLE MATERIALS FROM BELOW THE PROPOSED FOUNDATION AREAS.
- SOIL BENEATH SLABS AND FOOTINGS SHALL BE EXCAVATED AS REQUIRED TO REMOVE ALL ORGANIC AND DELETERIOUS MATERIALS. PLACE CLEAN SAND FILL IN MAXIMUM OF 12 INCH LIFTS. SUBGRADE AND EACH LIFT SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF ITS MODIFIED PROCTOR VALUE IN ACCORDANCE WITH ASTM D 1557.
- SUBGRADE SHALL BE UNIFORM OVER THE ENTIRE FOUNDATION AREA. DEPRESS SLABS ON GRADE FOR FLOOR FINISHES PER ARCHITECTURAL DRAWINGS.
- FOUNDATIONS SHALL BEAR ON EITHER COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL AS PER THE GEOTECHNICAL REPORT. EXTERIOR PERIMETER FOOTINGS SHALL BEAR NOT LESS THAN 24 INCHES BELOW FINISH GRADE, UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER AND/OR THE BUILDING OFFICIAL
- TOPS OF FOOTINGS AND SLABS ON GRADE SHALL BE AS SHOWN ON PLANS WITH VERTICAL CHANGES AS INDICATED WITH STEPS IN THE FOOTINGS; LOCATIONS OF STEPS SHOWN AS APPROXIMATE AND SHALL BE COORDINATED WITH THE CIVIL GRADING PLANS TO ENSURE THAT THE EXTERIOR PERIMETER FOOTINGS BEAR NO LESS THAN 24 INCHES BELOW FINISH GRADE, OR AS OTHERWISE INDICATED BY THE GEOTECHNICAL ENGINEER OR BUILDING OFFICIAL
- CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
- a. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:
- b. EXPOSED TO EARTH OR WEATHER:
 - NO. 5 AND SMALLER BARS 1 1/2" NO. 6 AND LARGER BARS
- NON-EXPANSIVE BACKFILL SHALL BE PLACED IN CONTROLLED LIFTS NOT TO EXCEED 12 INCHES AND SHALL BE COMPACTED TO AT LEAST 95% OF LABORATORY MAXIMUM DENSITY (ASTM D 1557)
- AREA DRAINAGE SHALL BE DIRECTED AWAY FROM THE FOUNDATION.

TO SATISFY REQUIREMENTS OF LOADING AND DEFLECTION

- GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SHORING, SHEETING AND BRACING OF EXCAVATIONS.
- GENERAL CONTRACTOR SHALL INSTALL ALL PIPE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPER-STRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER PRIOR TO PLACEMENT OF CONCRETE.
- IN NO CASE SHALL TRUCKS, BULLDOZERS OR OTHER HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL UNLESS APPROVED BY ENGINEER.
- ALL ALUMINUM FRAMING COMPONENTS SHALL BE EXTRUDED AND SHALL HAVE MINIMUM MECHANICAL PROPERTIES OF 6061-T6 ALLOY AND TEMPER, OR STRONGER IF REQUIRED
- ALL MILL FINISHED ALUMINUM TO BE ACID ETCHED, SHOP PRIMED WITH COMPANION CHROMIC ACID PRIMER AND FACTORY FINISHED WITH ONE COAT OF POLYURETHANE ENAMEL (SPRAY APPLIED). CUSTOM COLORS AS REQUESTED. PAINTED FINISH SHALL CONSIST OF BAKED ACRYLIC ENAMEL, FOR MAXIMUM CHALK AND RESISTANCE, OVER CHROMATE CONVERSION PRETREATMENT OR WASH-ETCH PRIMER. BENTS AFTER SOLVENT CLEANING, SHALL RECEIVE ONE COAT OF VINYL WASH-ETCH PRIMER (MIL #125-880) AND A ONE MIL. MINIMUM COATING OF EXTERIOR GRADE, TWO-PART, POLYURETHANE FOR MAXIM ABRASION RESISTANCE AND MAINTAINABILITY. THE EXPOSED SURFACES OF ALL ALUMINUM MEMBERS SHALL BE CLEAN AND FREE FROM SERIOUS SURFACE BLEMISHES, SCRATCHES OR TOOL MARKS.
- SEALANTS AT ALL EXPOSED AND CONCEALED METAL JOINTS AND AS OTHERWISE DESIGNATED ON THE DRAWINGS SHALL BE ONE (1) PART LOW MODULUS SILICONE SEALANT WITH A MINIMUM PLUS OR MINUS 50% JOINT MOVEMENT CAPABILITY.
- ALL FASTENERS SHALL BE SERIES 300 STAINLESS STEEL WITH COMBINATION WASHERS (STAINLESS STEEL WASHERS WITH BONDED NEOPRENE GASKETS). ANY FASTENERS EXPOSED TO VIEW SHALL RECEIVE AN INTEGRAL COLOR COATING TO MATCH THE FINISH ON THE ADJACENT ALUMINUM. OTHER MISCELLANEOUS ATTACHMENT FASTENERS SHALL BE CADMILIM PLATED STEEL
- EXTRUDED GASKETS TO BE CONTINUOUS NEOPRENE, EPDM OR SANTOPRENE RUBBER KEYED INTO PRESSURE PLATES AND HELD WITH CONSTANT COMPRESSION. OTHER GASKETS AS REQUIRED TO BE PRE-SHIMMED BUTYL GLAZING TAPES.
- A DIP-COAT OF CLEAR ACRYLIC ENAMEL SHALL INSULATE COLUMN ENDS FROM ELECTROLYTIC REACTION WITH GROUT. GROUT SHALL BE 2500# COMPRESSIVE STRENGTH, OR BETTER
- ALL ALUMINUM FRAMES ARE TO BE FULLY WELDED. GROUND SMOOTH AND FACTORY FINISHED PRIOR TO FINAL ASSEMBLY. ALL WELDING OF ALUMINUM SHALL BE THE HELIARC PROCESS WITH 1/4" WELDS MINIMUM CONDUCTED IN ACCORD WITH AWS STANDARDS. FILLER METAL SHALL BE MINIMUM FILLER ALLOY TYPE 5356 OR 5556. CLEAN SURFACES TO BE WELDED AS SPECIFIED IN SHOP CLEANING. DO NOT WELD FINISHED, EXPOSED MEMBERS. DO NOT PERFORM WELDING AT LOCATIONS WHERE DISCOLORATION OR
- OTHER DAMAGE WOULD RESULT ON EXPOSED SURFACES MANUFACTURER TO EXAMINE ALL SURFACES PRIOR TO THE START OF INSTALLATION. ALL DEVIATIONS FROM THE APPROVED SHOP DRAWINGS ARE TO BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTIVE MEASURES. ALLOWABLE **ERECTION TOLERANCES:**
 - a. MAXIMUM VARIATION FROM DESIGNATED POSITION: 1/8" IN 10'-0", NOT EXCEEDING 1/4" IN 40'-0" ANY DIRECTION. b. MAXIMUM OFFSET IN ALIGNMENT BETWEEN TWO CONSECUTIVE MEMBERS IN LINE,
- END TO END: 1/16". STRUCTURE SHALL BE CONSTRUCTED USING ALL EXTRUDED ALUMINUM MEMBERS OF ALLOYS AS SPECIFIED. STRUCTURAL FRAMING MEMBERS TO BE CURVED ARE TO BE FURNISHED IN ALLOY BEST SUITED TO FULFILLING THE CURVING FUNCTION WITH A
- MINIMUM OF DEFORMATION WHILE MAINTAINING STRUCTURAL INTEGRITY. FITTING AND ASSEMBLY OF THE WORK SHALL BE DONE IN THE MANUFACTURER'S SHOP IN SO FAR AS PRACTICABLE. WORK WHICH CANNOT BE PERMANENTLY SHOP ASSEMBLED SHALL BE COMPLETELY ASSEMBLED, MARKED AND DISASSEMBLED BEFORE SHIPMENT TO
- THE JOB SITE TO ASSURE PROPER ASSEMBLY IN THE FIELD. ALL CLIPS FOR THE ATTACHMENT OF THE MEMBERS SHALL BE ALUMINUM, SHALL BE
- SHOP RIVETED, BOLTED, OR WELDED TO THE MEMBERS. CONTACT BETWEEN ALUMINUM AND DISSIMILAR MATERIALS SHALL RECEIVE A
- PROTECTIVE COATING FOR THE PREVENTION OF ELECTROLYTIC ACTION AND CORROSION.

PILE NOTES

- PILES SUPPORTING COLUMNS, SHEARWALLS AND SLAB ON GRADE ARE DESIGNED FOR 16 KIPS IN COMPRESSION, 6 KIP IN TENSION, AND 5 KIPS IN LATERAL. ALL LOADS ARE ALLOWABLE. PILES SHALL BE 16 INCH ROUND AUGER PRESSURE GROUTED PILES, INSTALLED AS PER PROJECT SPECIFICATIONS.
- PILE GROUT SHALL BE A HIGH-STRENGTH MORTAR COMPOSED OF A MIXTURE OF PORTLAND CEMENT, MINERAL FILLER, FLUIDIFIER, SAND AND WATER SO PROPORTIONED AND MIXED AS TO PROVIDE A MORTAR CAPABLE OF MAINTAINING THE SOLIDS IN SUSPENSION WITHOUT APPRECIABLE WATER GAIN, YET WHICH MAY BE PUMPED WITHOUT DIFFICULTY AND WHICH WILL LATERALLY PENETRATE AND FILL ANY VOIDS IN THE FOUNDATION MATERIAL. THE MATERIALS SHALL BE SO PROPORTIONED AS TO PROVIDE A HARDENED MORTAR HAVING AN ULTIMATE COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
- REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A-615 GRADE 60.
- TOP OF PILE CAP SHALL BE INDICATED ON PLAN THUS; (0'0"). TOP OF GRADE BEAM SHALL BE SAME AS THAT OF THE PILE CAP WHERE IT FRAMES, UNLESS INDICATED IN THE GRADE
- RECORDS OF PILE PENETRATION OF EVERY PILE, AND THE BEHAVIOR OF SAME DURING INSTALLATION SHALL BE MADE DURING THE PILE INSTALLATION AND SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
- 6. A PLAN SHOWING THE IDENTIFICATION AND THE AS-BUILT LOCATION OF ALL PILES SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO POURING OF PILE CAPS AND GRADE BEAMS.
- PILE INSTALLATION SHALL BE OBSERVED BY A REPRESENTATIVE OF MBV ENGINEERING INC. AND SHALL BE NOTIFIED 48 HOURS PRIOR TO INSTALLATION. THE CONTRACTOR SHALL CONTRACT A COMPETENT SOILS LABORATORY TO SUPERVISE

THE INSTALLATION OF THE PILES, PERFORM PILE GROUT TESTS AS PER SPECIFICATIONS

AND SOIL REPORT AND SUPERVISE THE LOAD TEST IF REQUIRED IN SPECIFICATIONS. LOAD TESTS SHALL BE PERFORMED AS IN ACCORDANCE WITH ASTM 1139, ASTM 03689

ABBREVIATIONS - ANCHOR BOLT - KIPS PER LINEAR FOOT ADJ ADJUSTED/ADJACENT - CONSTRUCTION JOINT AHJ - AUTHORITY HAVING JURISDICTION ANGLE ALT - ALTERNATE LG - LONG APPROX - APPROXIMATELY MAS - MASONRY ARCH - ARCHITECT MAX - MAXIMUM BOTTOM CHORD MFR - MANUFACTURER BLDG BUILDING - MINIMUM - BEAM MISC - MISCELLANEOUS ВОТТ - BOTTOM MO - MASONRY OPENING BRG - BEARING MPH - MILES PER HOUR CCCL - COASTAL CONST. CONTROL LINE MTL - METAL CFS - COLD FORMED STEEL NGVD - NATIONAL GEODETIC VERTICAL DATUM CIP - CAST IN PLACE NIC - NOT IN CONTRACT - CONTRACTION JOINT NTS - NOT TO SCALE CL - CENTERLINE OC - ON CENTER CLR - CLEAR OPNG - OPENING CMU - CONCRETE MASONRY UNIT PAF - POWDER ACTUATED FASTENERS COL - COLUMN PART - PARTITION CONC PCF - POUNDS PER CUBIC FOOT - CONCRETE CONST CONSTRUCTION - POUNDS PER CUBIC INCH CONT - CONTINUOUS - PLATE PLF - POUNDS PER LINEAR FOOT CTR - CENTER D&E - DRILLED AND EPOXIED PSF - POUNDS PER SQUARE FOOT DBL - POUNDS PER SQUARE INCH - DOUBLE PT - POST TENSIONED/PRESSURE TREATED DET - DETAIL DIA - DIAMETER R- RISER/RADIUS - DIMENSION REG - REGULAR DN - DOWN REINF - REINFORCING - DOOR/DRAII REM - REMAINDER DWG - DRAWING REQ'D - REQUIRED REV - REVISION/REVISED - FACH EE - EACH END RM - ROOM - EACH FACE RO - ROUGH OPENING - EXPANSION JOINT RQMTS- REQUIREMENTS - ELEVATION SCHED-SCHEDULE LELEV - ELEVATION/ELEVATOR SECT - SECTION ENGR- ENGINEER SER - STRUCTURAL ENGINEER OF RECORD EOR - ENGINEER OF RECORD SIM - SIMILAR EOS - EDGE OF SLAB SL - SLOPE SOG - SLAB-ON-GRADE EQ - EQUAL l EW - EACH WAY SP - SPIRAL EXIST- EXISTING SPECS - SPECIFICATIONS - EXPANSION SQ - SQUARE - EXTERIOR SS - STAINLESS STEEL FBC - FLORIDA BUILDING CODE - SPECIALTY STRUCTURAL ENGINEER FIN - FINISH STD - STANDARD FLR - FLOOR STL - STEEL FND - FOUNDATION - SHEAR WALL/ SHORT WAY - FEET/FOOT - TOP OF FTG - FOOTING - TIE BEAM GA - GAUGE - TIE COLUMN/TOP CHORD

TEMP - TEMPERATURE

- TREAD/TRUSS

VIF - VERIFY IN THE FIELD

WWF - WELDED WIRE FABRIC

WWM - WELDED WIRE MESH

UNO - UNLESS NOTED OTHERWISE

- STEEL REINFORCING BAR (REBAR) #4 (1/2")

- STEEL REINFORCING BAR (REBAR) #5 (5/8")

#6 - STEEL REINFORCING BAR (REBAR) #6 (3/4")

TJ - TIE JOIST

TYP - TYPICAL

VERT - VERTICAL

W/O - WITHOUT

WD - WOOD

W/

- WITH

GALV

GC

GT

HC

HDG

HK

HORIZ

INFO

INT

- GALVANIZED

- GIRDER TRUSS

- HOLLOW CORE

HIP GIRDER

HORIZONTAL

- HIGH STRENGTH

- ISOLATION JOINT

- KIP(s) - 1000 POUNDS

- INCH/INCHES

- INFORMATION

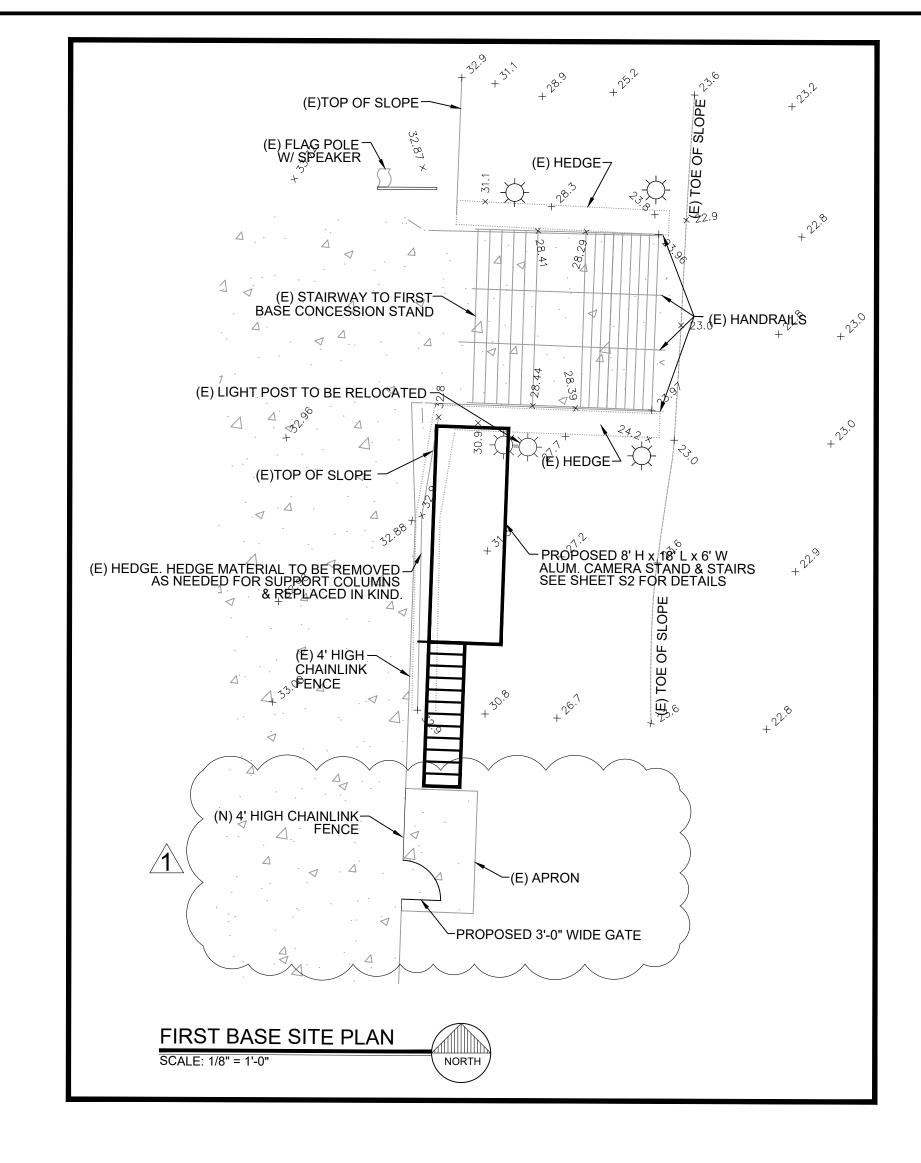
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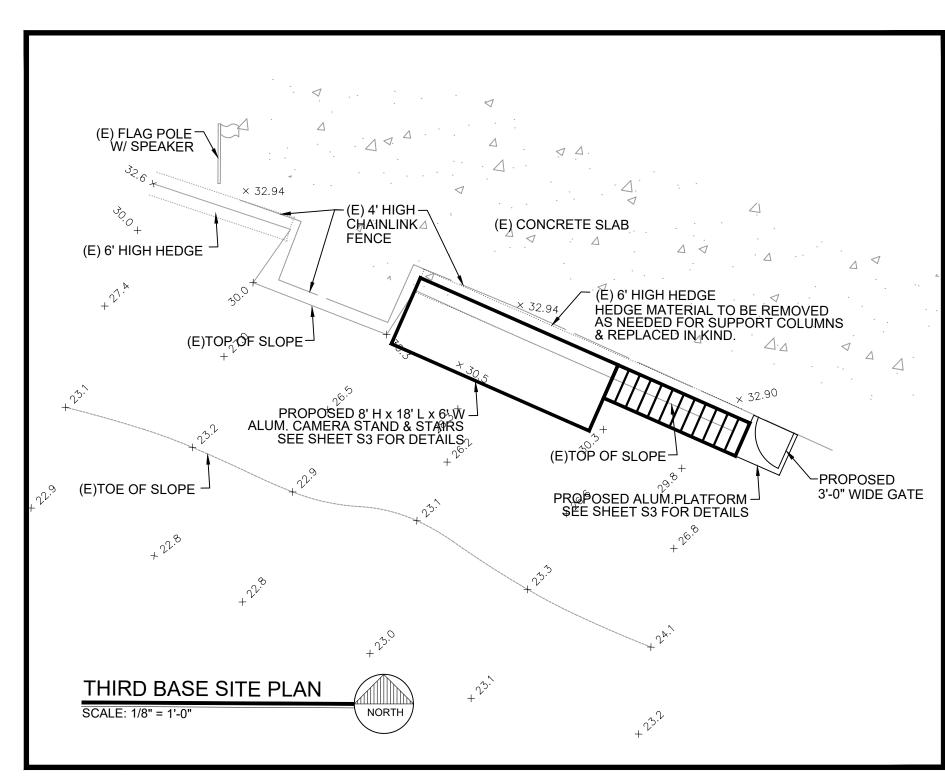
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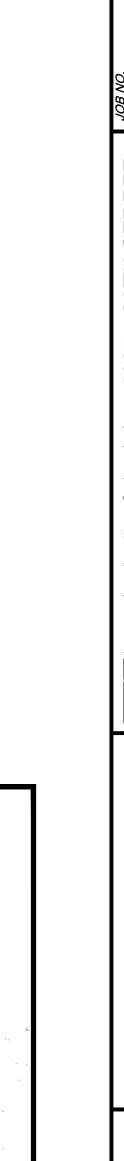
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- GENERAL CONTRACTOR

- HOT DIPPED GALVANIZED







RODOLFO VILLAMIZA FL. P.E.#61000 DATE: SHEET

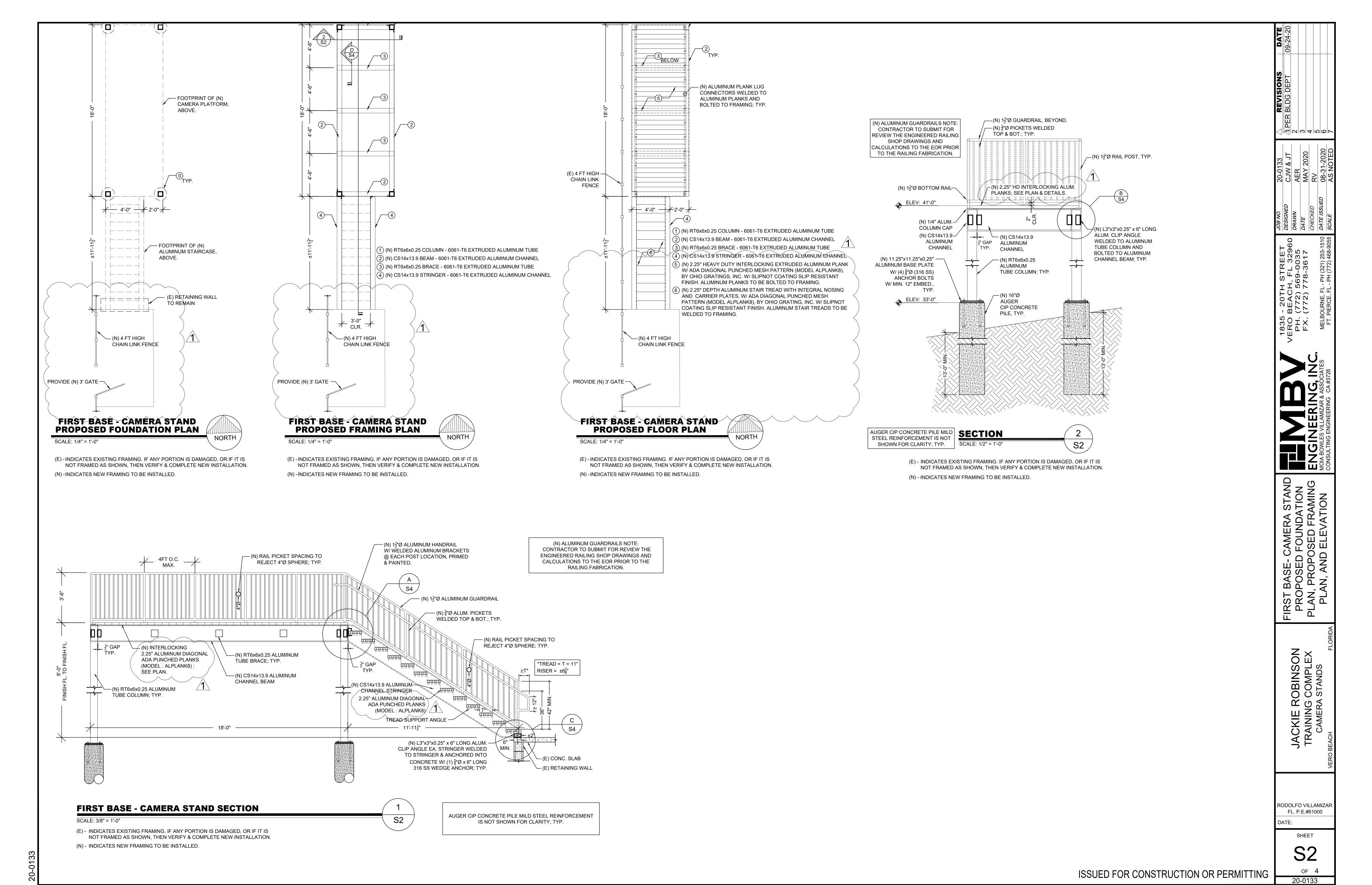
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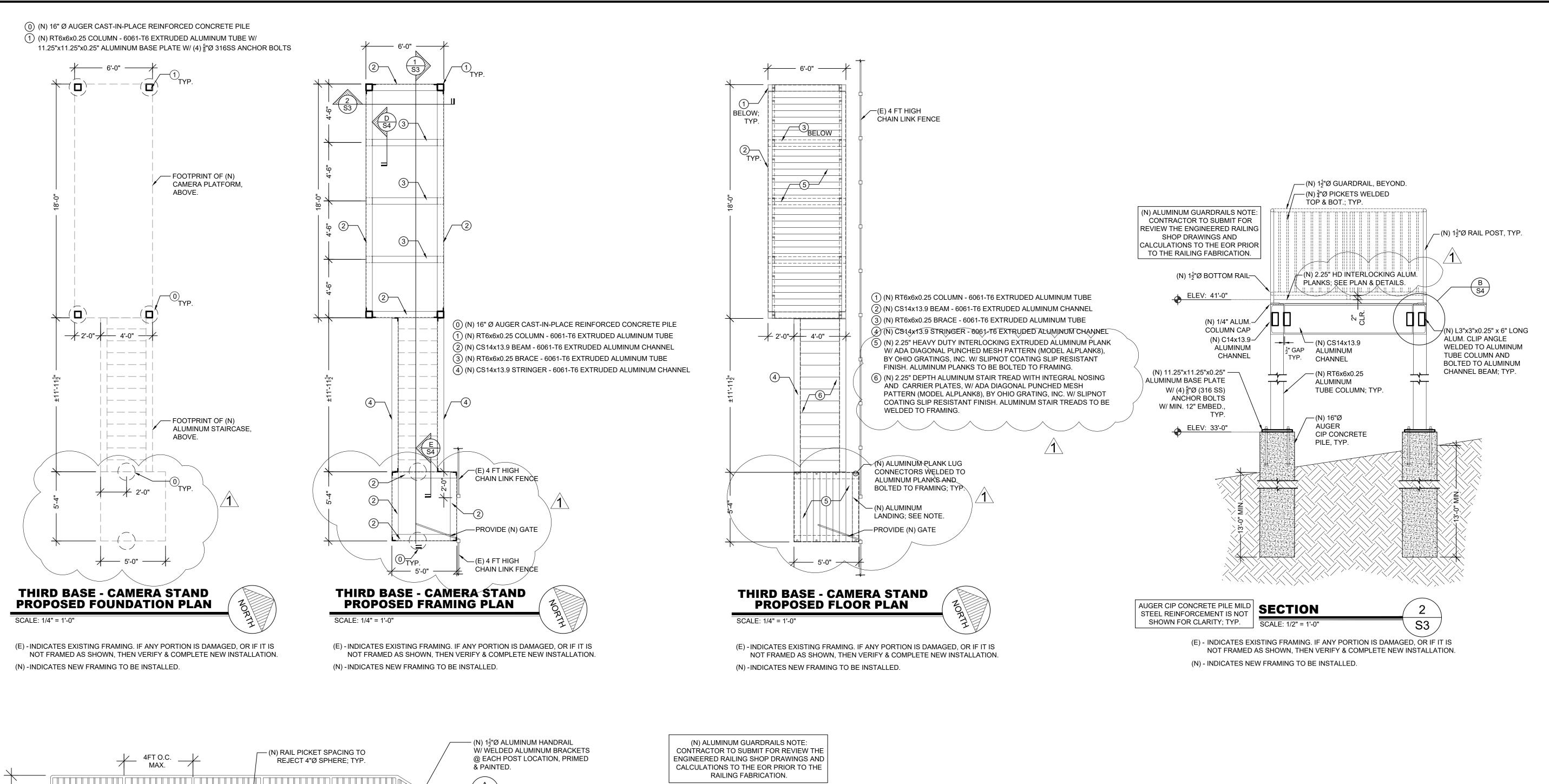
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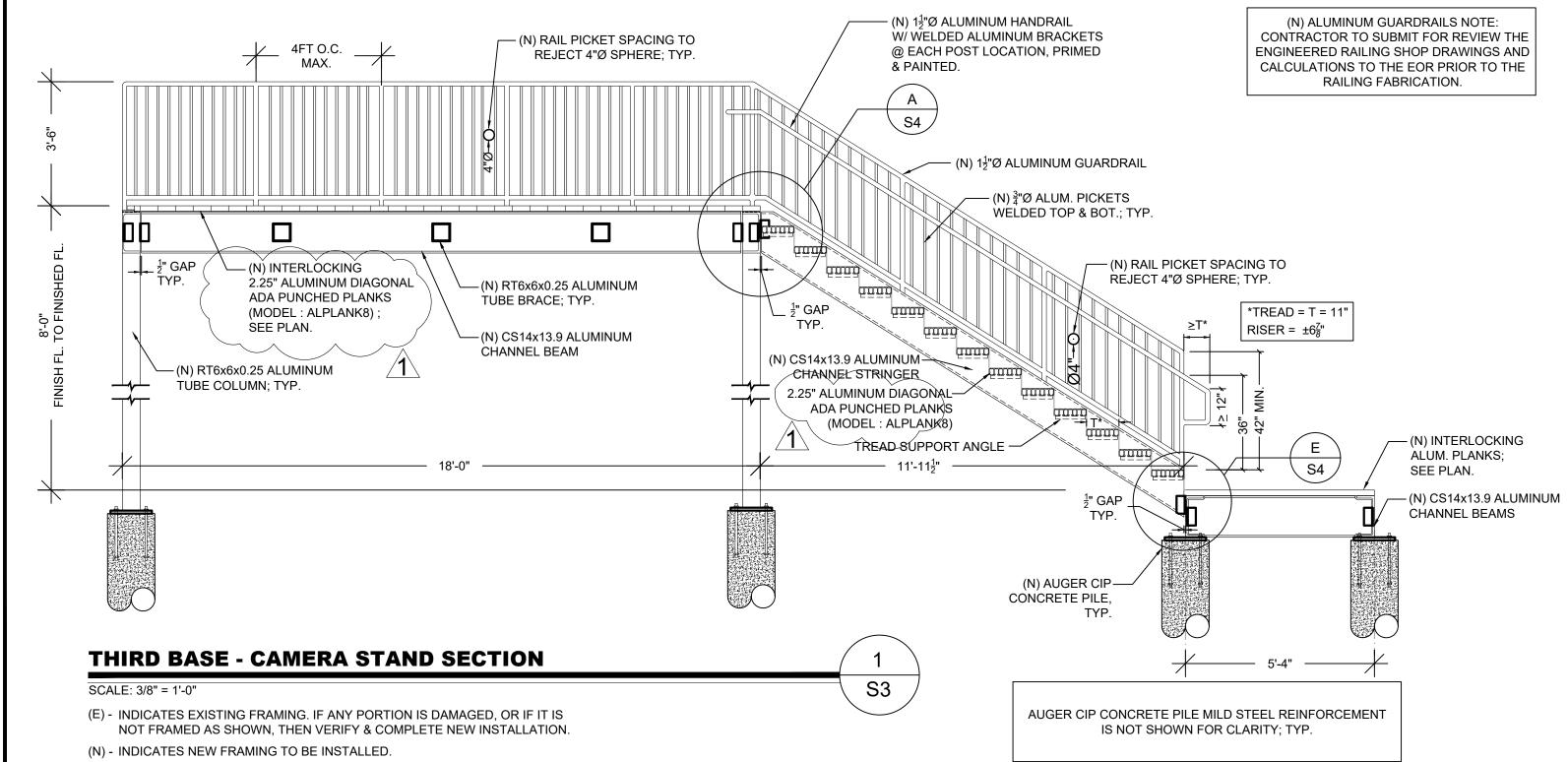
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ISSUED FOR CONSTRUCTION OR PERMITTING

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