



## ADDENDUM NO. 2

Issue Date: October 22, 2020

Project Name: JRTC Camera Stands

Bid Number: 2021009

Bid Opening Date: **November 04, 2020 at 2:00 pm**

This addendum is being released to provide the minutes and sign in sheet from the Pre-Solicitation Conference and provide revised plans. All information provided herein is hereby incorporated into the bid documents.

**This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.**

**Attachments:**

Pre-Bid Meeting Minutes (Pages 1-2)  
Pre-Bid Meeting Sign-in Sheet (Page 1 of 1)  
Revised Plan Set (Structural Plans – Pages S1-S4)



# *Board of County Commissioners*

*1801 27th Street  
Vero Beach, Florida 32960-3365  
Telephone: (772) 567-8000  
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**PRE-BID MEETING MINUTES  
OCTOBER 21, 2020, 10:30 A.M.  
JACKIE ROBINSON TRAINING COMPLEX  
HOLMAN STADIUM  
JACKIE ROBINSON TRAINING COMPLEX CAMERA STANDS  
PROJECT NO. IRC-2011**

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*The following meeting notes set forth our understanding of the discussions and decisions made at the subject meeting. If no objections, questions, additions, or comments are received within three (3) working days from issuance of the meeting notes, we will assume that our understandings are correct. The project will move forward according to the bid plans and specifications and the understandings herein.*

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Project Name: JACKIE ROBINSON TRAINING COMPLEX CAMERA STANDS  
Project Number: IRC-2011  
Bid Number: 2021009

## **INTRODUCTIONS / SIGN IN SHEET**

The meeting was called to order by Michael Heller. See attached sign in sheets for a list of attendees.

This is a Pre-bid meeting Jackie Robinson Training Complex Camera Stands

## **PROJECT DESCRIPTION:**

The project consists of installation of two aluminum camera stands on the 1st and 3rd base sides of Holman Stadium located at the Jackie Robinson Training Complex, 3903 26th Street, Vero Beach, FL 32960. The Contractor shall provide camera stands per plans and specifications.

## **CONTRACT DETAILS**

Bid opening: Wednesday, November 4, 2020 at 2:00 PM  
Contract time: 60 days to substantial completion  
90 days to final completion  
Engineers Estimate: \$100,000.00  
Liquidated Damages: \$964.00 per day

## **CONTACTS BIDDING PROCESS**

All communications concerning this bid shall be directed to Indian River County Purchasing Division at [purchasing@ircgov.com](mailto:purchasing@ircgov.com).

**PROJECT CONSULTANTS:**

MBV Engineering, Inc.

**UTILITIES**

Electrical System – ***Contractor to be aware of any underground utility and coordinate with JRTC staff for possible locations.***

Drainage System - ***Contractor to be aware of any existing drainage systems and coordinate with JRTC staff for possible locations.***

Irrigation – ***Contractor to be aware of any irrigation system pipes or head and coordinate with JRTC staff for possible locations. Irrigation system must remain in service at all times.***

**OTHER ISSUES**

- Bidders to review plan documents and provide comments/questions to Indian River Purchasing Department as soon as possible. No further comments or questions will be addressed from end of business, October 26, 2020.
- All areas disturbed by the Contractor will need to be restored to original conditions or better.
- The facility will remain open throughout the construction period. Contractor shall take all necessary precautions to protect contents and occupants.
- The sequence of work shall minimize construction traffic on the new work.
- The construction limits are within 10 feet maximum of buildings unless indicated otherwise.
- Work area is to remain clean and all debris to be disposed of properly.
- The Contractor is to obtain all required Indian River County Building Department Permit(s) and inspections.
- Standard County work hours 7AM to 5PM (M-F). Contractor must submit a request to the County Project Manager for proposed weekend or night work. Charges for County Staff time may apply.

**PROJECT REQUIREMENTS:**

- Subcontractors – per Contract Documents requirements “Section 00458 – List of Subcontractors” must be completed.
- Summary of required Contractor form submittals checklist (Section 00300 – Bid Package Content)
- Invoicing shall be submitted on monthly basis and must include release of liens and Surety’s Consent.

**DISCUSSION**

Questions & answers

***Rodolfo Villamizar MBV Engineering, Inc. submitted an updated set of plans that will be part of this Addendum.***

***Meeting adjourned.***

Pre-Construction Meeting SIGN-IN SHEET  
 IRC COURTHOUSE PARKING GARAGE REHABILITATION  
 PROJECT NUMBER: IRC-1801A  
 OCTOBER 21, 2020 9:00AM

NAME	COMPANY & ADDRESS	PHONE # / FAX # / CELL #	EMAIL ADDRESS
Les Monzon	ONE SOURCE RESTO	813-462-9040 813-380-5510	LES@ONESOURCERESTO.COM
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Chuck Belcher	FAC. Mng.	772-538-8113	abelcher@ircgov.com
Gene Kemp	FAC MANG.	772 538 9782	gkemp@Irc Gov .Com



**STRUCTURAL-GENERAL NOTES**

**DESIGN CRITERIA AND LOADS:**

1. WIND DESIGN:		
WIND SPEED (MPH)	V(ADJ)=124	V(ULT)=160
RISK CATEGORY	I	
EXPOSURE CATEGORY	C	
ENCLOSURE CLASSIFICATION	OPEN	
INTERNAL PRESSURE COEFFICIENT	CPI = +/- 0.00	
TOPOGRAPHIC FACTOR	KZT = 1.0	

2. DESIGN LIVE LOADS:

a. PLATFORM	150 PSF
b. STAIRS	100 PSF
c. RAILINGS & GUARDRAILS	50 LBS/FT OR 200 LBS TO BE APPLIED AT ANY DIRECTION TO THE TOP RAIL.

3. DESIGN DEAD LOADS:

a. PLATFORM	10 PSF
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4. 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 MARK-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 NOTES.
- 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 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 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, MECHANICAL UNITS, LOCATIONS, AND OTHER NONSTRUCTURAL UTILITIES.
- 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 AND 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 PRICE.
- 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.
- 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.
- 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.
- SHOP DRAWINGS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.
- 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 WRITING BEFORE SUBMITTING A BID OR PROCEEDING WITH THE WORK.
- 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.
- 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**

- 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.....	1'-0"
b. MAXIMUM ALLOWABLE BEARING CAPACITY.....	2,000 PSF
c. MODULUS OF SUBGRADE REACTION.....	200 PCI
d. PASSIVE LATERAL PRESSURE.....	250 PSF
e. ACTIVE LATERAL PRESSURE (UNRESTRAINED).....	.55 PSF
f. ACTIVE LATERAL PRESSURE (RESTRAINED).....	.35 PSF
g. COEFFICIENT OF SLIDING FRICTION.....	0.4
- 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 MAINTAINED TO AVOID SETTLEMENT AND DAMAGE TO NEARBY BUILDINGS AND STRUCTURES.
- 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.

- 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:	3"
b. EXPOSED TO EARTH OR WEATHER:	
NO. 5 AND SMALLER BARS	1 1/2"
NO. 6 AND LARGER BARS	2"
- 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.
- 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.

**ALUMINUM**

- ALL ALUMINUM FRAMING COMPONENTS SHALL BE EXTRUDED AND SHALL HAVE MINIMUM MECHANICAL PROPERTIES OF 6061-T6 ALLOY AND TEMPER, OR STRONGER IF REQUIRED TO SATISFY REQUIREMENTS OF LOADING AND DEFLECTION.
- ALL MILL FINISHED ALUMINUM TO BE ACID ETCHED. SHOP PRIMED WITH COMPANION CHROMIUM 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 MAXIMUM WEAR 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 CADMIUM PLATED STEEL.
- EXTRUDED GASKETS TO BE CONTINUOUS NEOPRENE, EPDM OR SANTOPRENE RUBBER KEVED INTO PRESSURE PLATES AND HELD WITH CONSTANT COMPRESSION. OTHER GASKETS AS REQUIRED TO BE PRE-SHIMMED BUTYL GLUING TAPES.
- A DIP-COAT OF CLEAR ACRYLIC ENAMEL SHALL INSULATE COLUMN ENDS FROM ELECTROLYTIC REACTION WITH GROUT. GROUT SHALL BE 250# 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 5356. 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:
 

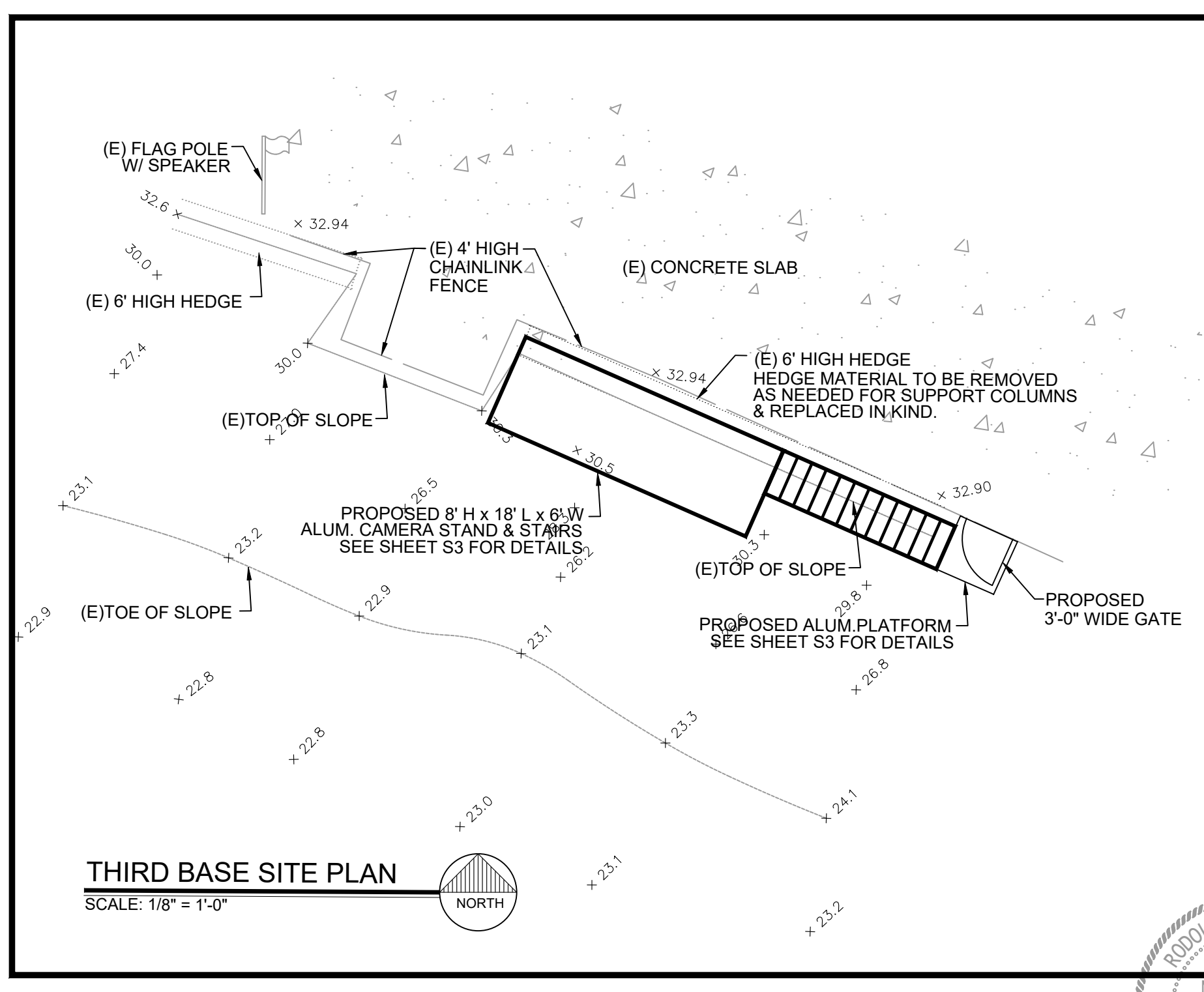
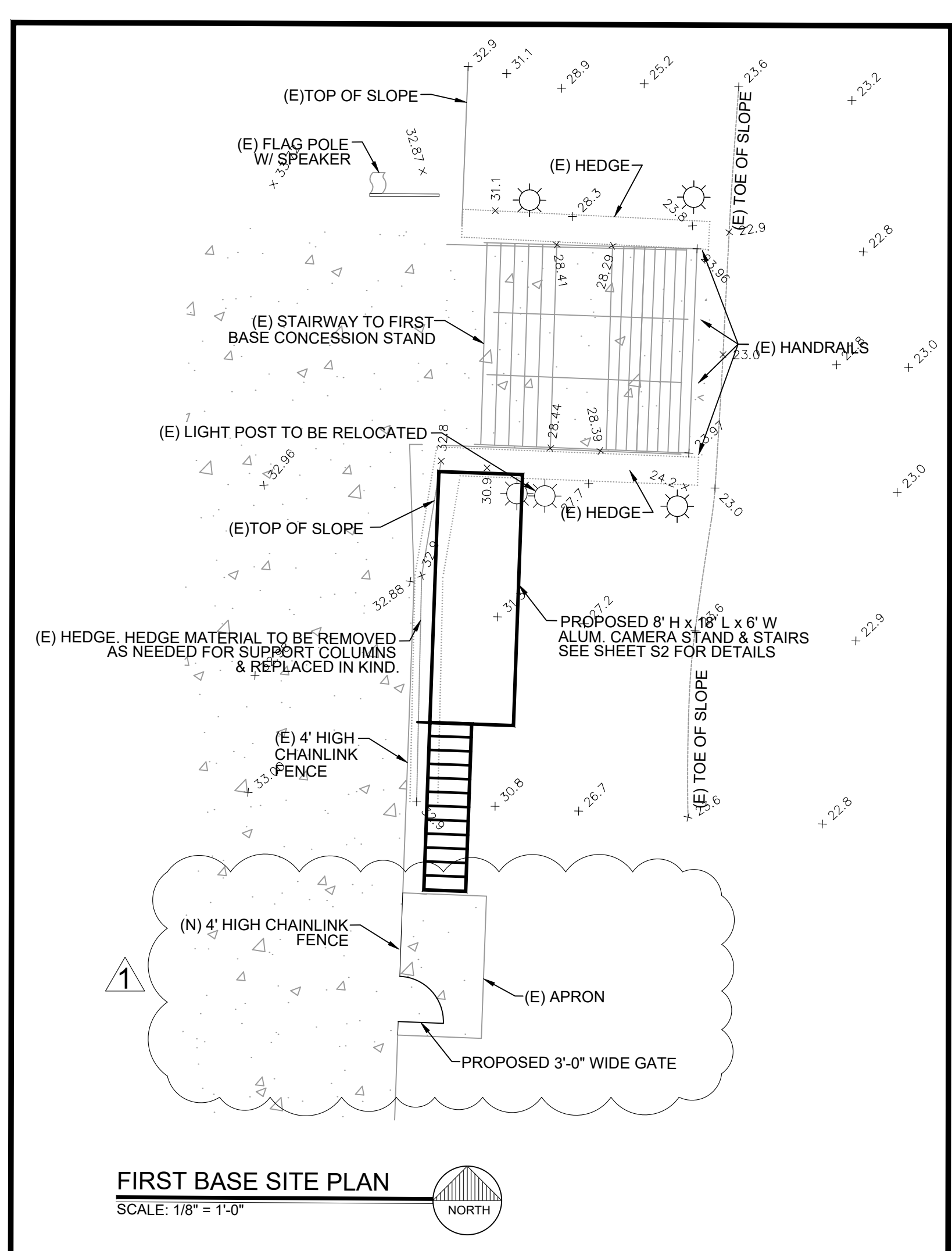
a. MAXIMUM VARIATION FROM DESIGNATED POSITION: 1/8" IN 10'-0", NOT EXCEEDING 1/4" IN 40'-0" ANY DIRECTION.
b. MAXIMUM OFFSET IN ALIGNMENT BETWEEN TWO CONSECUTIVE MEMBERS IN LINE, END TO END: 1/16".
- STRUCTURE SHALL BE CONSTRUCTED USING ALL EXTRUDED ALUMINUM MEMBERS OF ALLOYS AS SPECIFIED. STRUCTURAL FRAMING MEMBERS TO BE CURVED ARE TO BE FURNISHED IN ALLOY BEST SUITED TO FILLING 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 BEAM SCHEDULE.
- 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.
- 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 AND ASTM 3966.

**ABBREVIATIONS**

AB	- ANCHOR BOLT	KLF	- KIPS PER LINEAR FOOT
ADJ	- ADJUTED/ADJACENT	KJ	- CONSTRUCTION JOINT
AHJ	- AUTHORITY HAVING JURISDICTION	L	- ANGLE
ALT	- ALTERNATE	LG	- LONG
APPROX	- APPROXIMATELY	MAS	- MASONRY
ARCH	- ARCHITECT	MAX	- MAXIMUM
BC	- BOTTOM CHORD	MFR	- MANUFACTURER
BLDG	- BUILDING	MIN	- MINIMUM
BM	- BEAM	MISC	- MISCELLANEOUS
BOTT	- 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
CI	- 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	- CONCRETE	PCF	- POUNDS PER CUBIC FOOT
CONST	- CONSTRUCTION	PCI	- POUNDS PER CUBIC INCH
CONT	- CONTINUOUS	PL	- PLATE
CTR	- CENTER	PLF	- POUNDS PER LINEAR FOOT
D&E	- DRILLED AND EPOXIED	PSF	- POUNDS PER SQUARE FOOT
DBL	- DOUBLE	PSI	- POUNDS PER SQUARE INCH
DET	- DETAIL	PT	- POST TENSIONED/PRESSURE TREATED
DIA	- DIAMETER	R	- RISER/RADIUS
DIM	- DIMENSION	REG	- REGULAR
DN	- DOWN	REINF	- REINFORCING
DR	- DOOR/DRAIN	REM	- REMAINDER
DWG	- DRAWING	REQD	- REQUIRED
EA	- EACH	REV	- REVISION/REVISED
EE	- EACH END	RM	- ROOM
EF	- EACH FACE	RO	- ROUGH OPENING
EJ	- EXPANSION JOINT	ROMTS	- REQUIREMENTS
ELEV	- ELEVATION	SCHED	- SCHEDULE
ELEV	- ELEVATION/ELEVATOR	SECT	- SECTION
ENGR	- ENGINEER	SER	- STRUCTURAL ENGINEER OF RECORD
EOR	- ENGINEER OF RECORD	SIM	- SIMILAR
EOS	- EDGE OF SLAB	SL	- SLOPE
EQ	- EQUAL	SOG	- SLAB-ON-GRADE
EW	- EACH WAY	SP	- SPIRAL
EXIST	- EXISTING	SPECS	- SPECIFICATIONS
EXP	- EXPANSION	SQ	- SQUARE
EXT	- EXTERIOR	SS	- STAINLESS STEEL
FBL	- FLORIDA BUILDING CODE	SSE	- SPECIALTY STRUCTURAL ENGINEER
FIN	- FINISH	STD	- STANDARD
FNC	- FLOOR	STL	- STEEL
FND	- FOUNDATION	SW	- SHEAR WALL/ SHORT WAY
FT	- FEET/FOOT	T	- TOP OF
FTG	- FOOTING	TB	- TIE BEAM
GA	- GAUGE	TC	- TIE COLUMN/TOP CHORD
GALV	- GALVANIZED	TEMP	- TEMPERATURE
GC	- GENERAL CONTRACTOR	TJ	- THE JOIST
GT	- GIRDER TRUSS	TR	- TREAD/TRUSS
HC	- HOLLOW CORE	TYP	- TYPICAL
HDG	- HOT DIPPED GALVANIZED	UNO	- UNLESS NOTED OTHERWISE
HG	- HIP GIRDER	VERT	- VERTICAL
HK	- HOOK	VIF	- VERIFY IN THE FIELD
HORIZ	- HORIZONTAL	W	- WITH
HS	- HIGH STRENGTH	WO	- WITHOUT
IJ	- ISOLATION JOINT	WD	- WOOD
IN	- INCH/INCHES	WWF	- WELDED WIRE FABRIC
INFO	- INFORMATION	WWM	- WELDED WIRE MESH
INT	- INTERIOR	#4	- STEEL REINFORCING BAR (REBAR) #4 (1/2")
JT	- JOINT	#5	- STEEL REINFORCING BAR (REBAR) #5 (5/8")
K	- KIP(S) - 1000 POUNDS	#6	- STEEL REINFORCING BAR (REBAR) #6 (3/4")



**REVISIONS**

NO.	DATE	DESCRIPTION
1	09-24-20	PER BLDG DEPT
2		
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7		

**DESIGN**

DESIGNED	C-JW & JT
DRAWN	AER
CHECKED	RV
DATE ISSUED	08-31-2020
SCALE	AS NOTED

1835 - 20TH STREET  
VERO BEACH, FL 32960  
PH. (772) 569-0035  
FX. (772) 778-3617

MELBOURNE, FL - PH (321) 263-4510  
FT. PIERCE, FL - PH (772) 468-0855

**MBV ENGINEERING INC.**  
MEDIA BOWLES VILLAMIZAR & ASSOCIATES  
CONSULTING ENGINEERING - CA #3728

**SITE PLANS, AND STRUCTURAL NOTES**

**JACKIE ROBINSON**  
TRAINING COMPLEX  
CAMERA STANDS

VERO BEACH  
FLORIDA

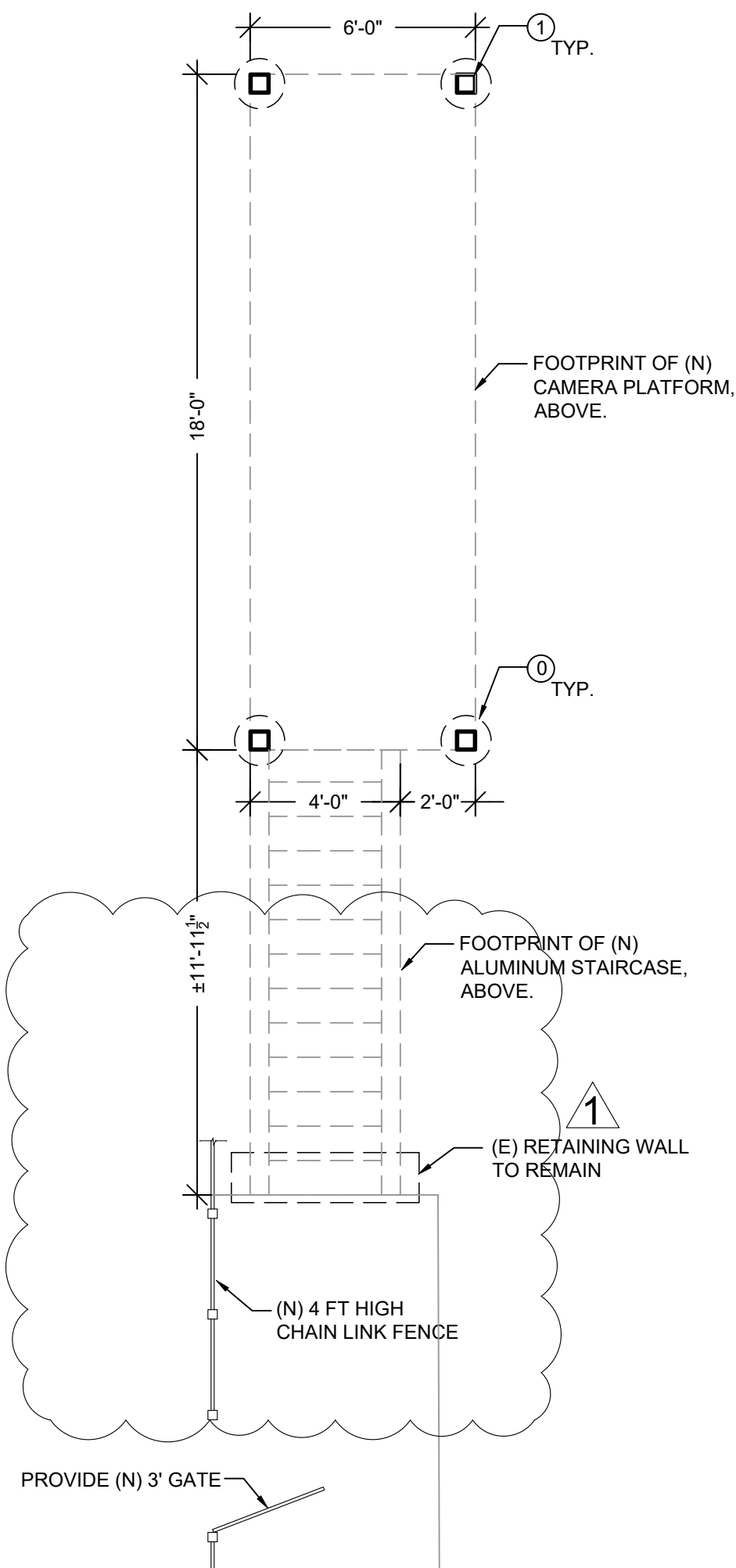
RODOLFO VILLAMIZAR  
P.E. #61000  
DATE: 10-12-2020

SHEET  
**S1**  
OF 4  
20-0133

PERMIT SET

20-0133

- ① (N) 16" Ø AUGER CAST-IN-PLACE REINFORCED CONCRETE PILE
- ① (N) RT6x6x0.25 COLUMN - 6061-T6 EXTRUDED ALUMINUM TUBE W/ 11.25"x11.25"x0.25" ALUMINUM BASE PLATE W/ (4) 3/8" Ø 316SS ANCHOR BOLTS

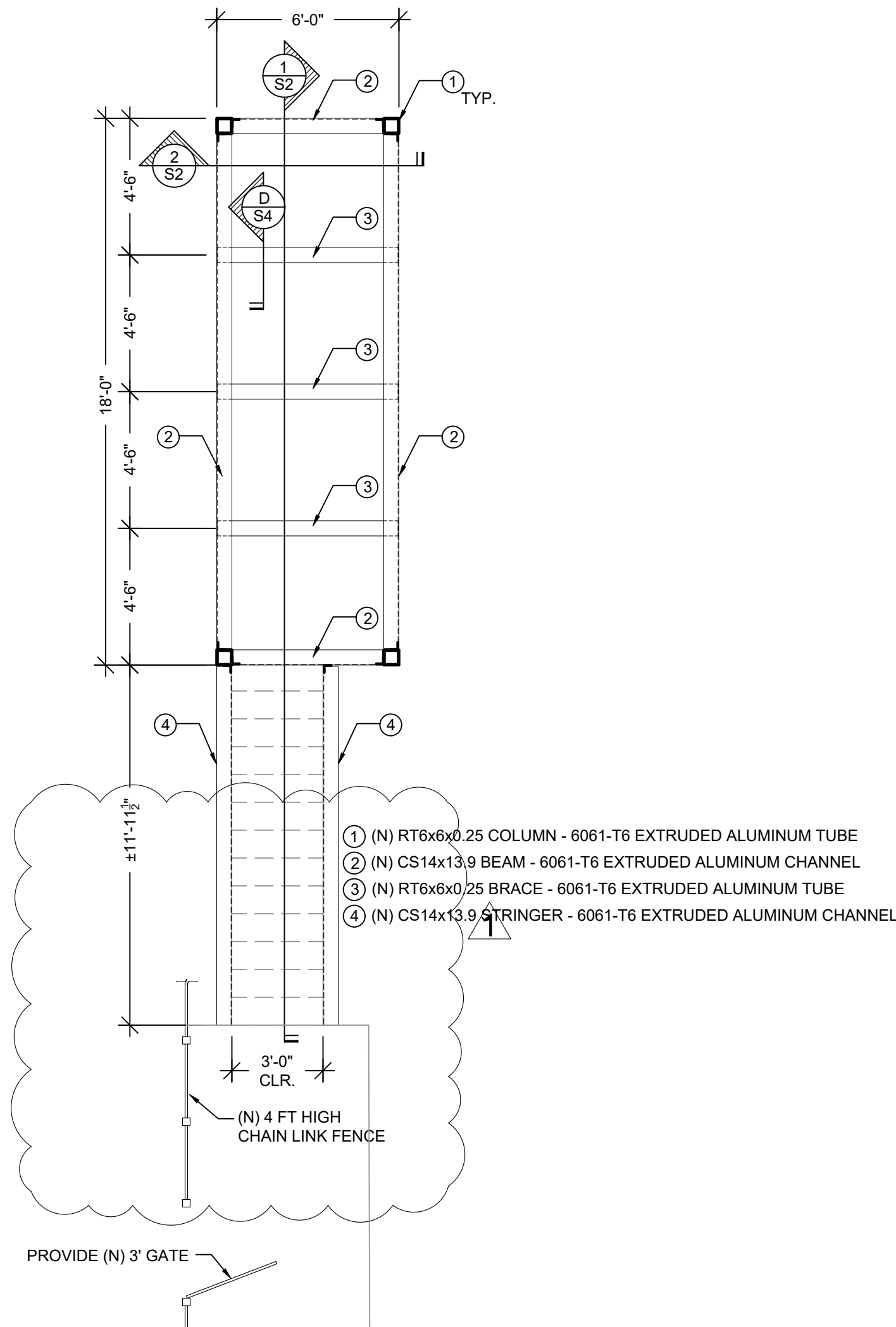


**FIRST BASE - CAMERA STAND PROPOSED FOUNDATION PLAN**

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

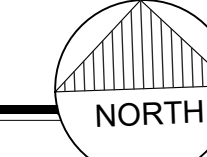


(E) - INDICATES EXISTING FRAMING. IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.

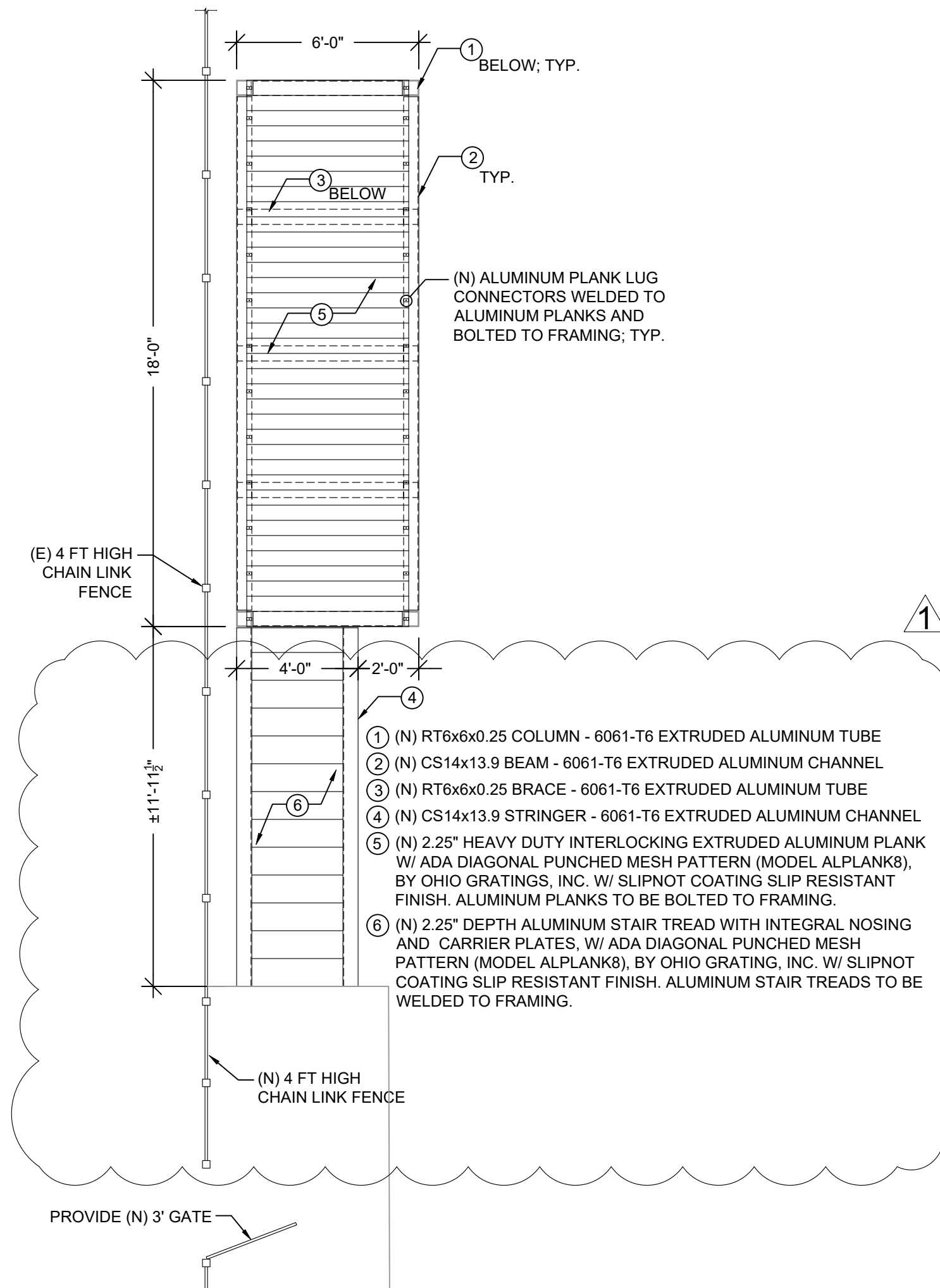


**FIRST BASE - CAMERA STAND PROPOSED FRAMING PLAN**

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

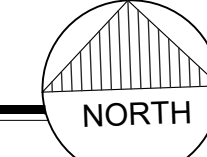


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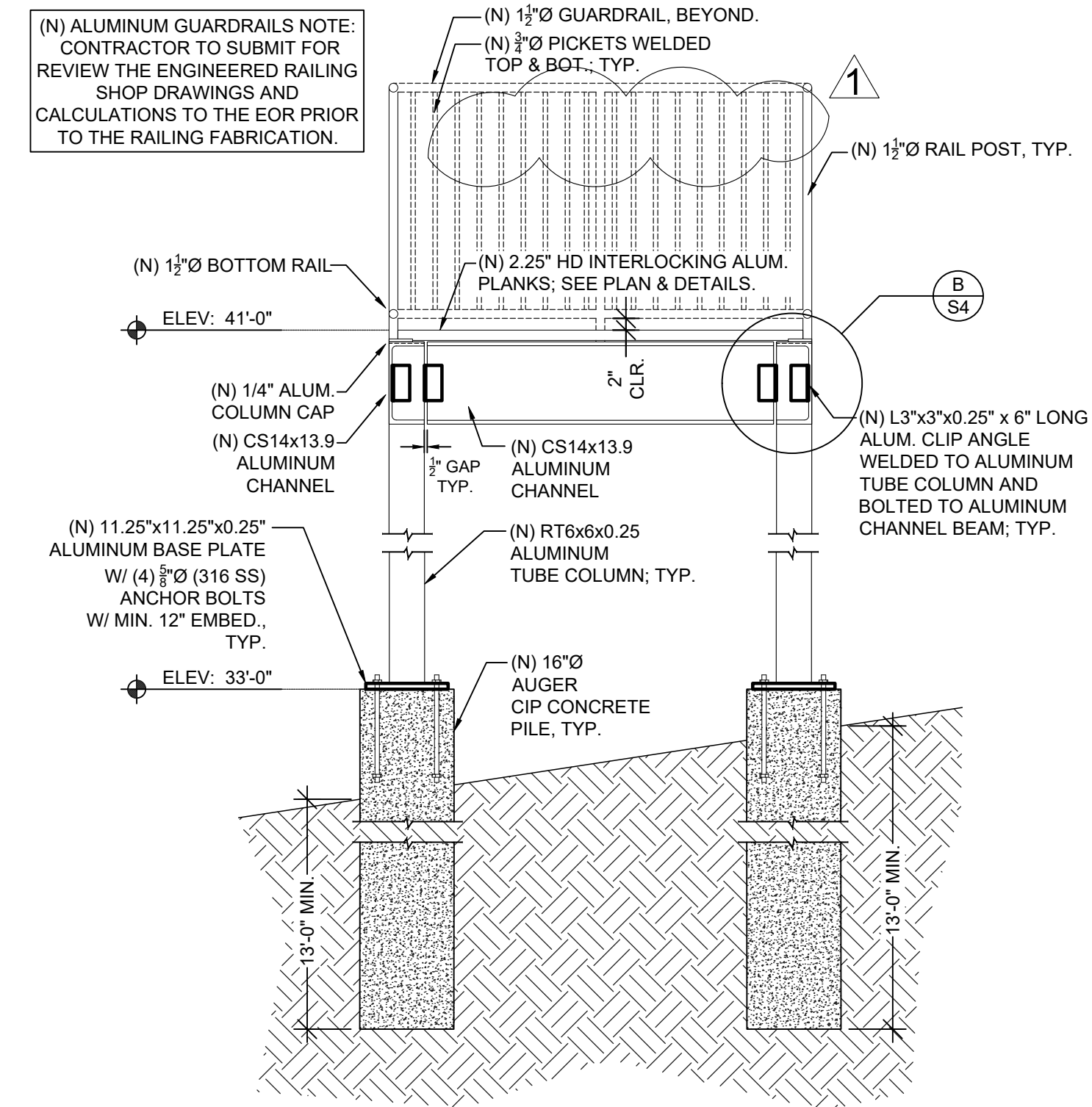


**FIRST BASE - CAMERA STAND PROPOSED FLOOR PLAN**

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



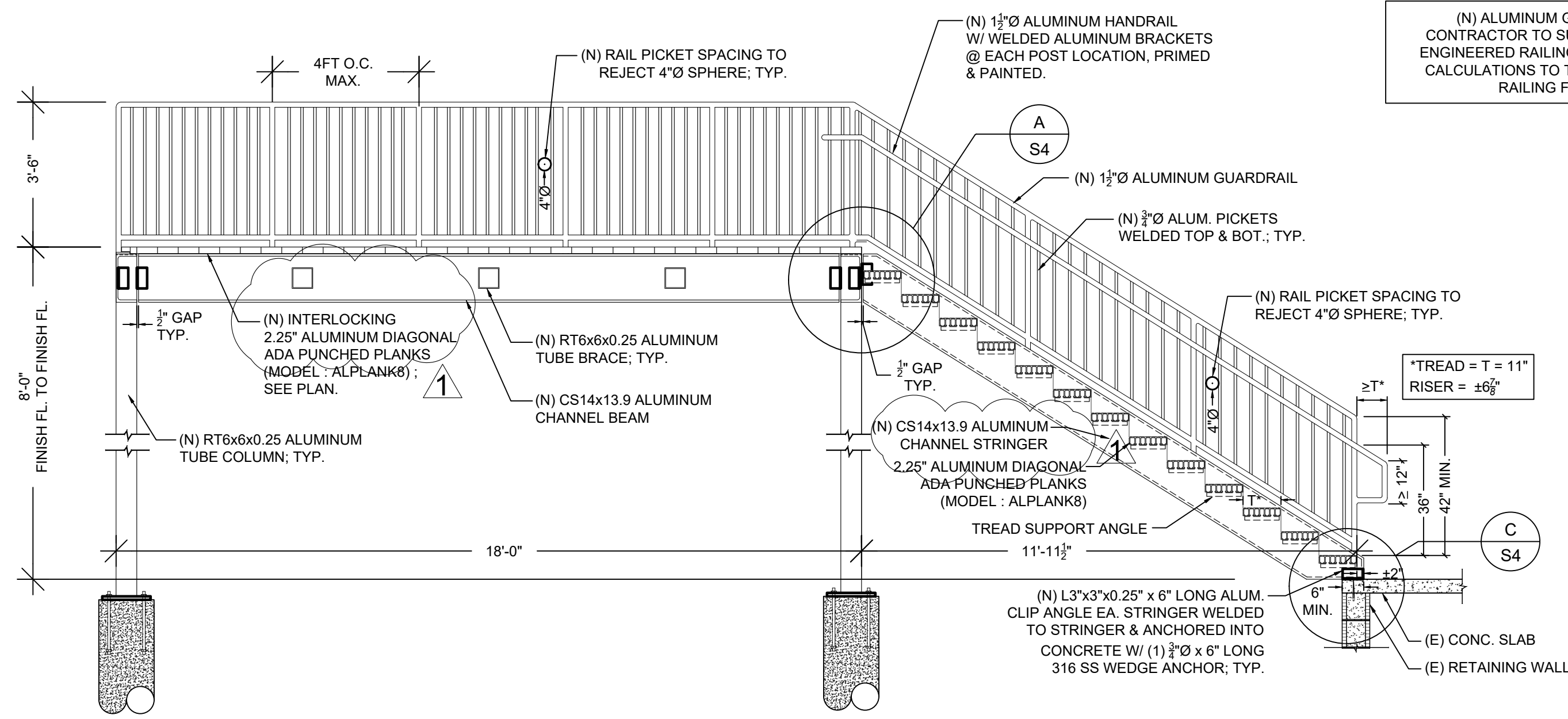
(E) - INDICATES EXISTING FRAMING. IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.



**SECTION 2 S2**

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

(E) - INDICATES EXISTING FRAMING. IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.



**FIRST BASE - CAMERA STAND SECTION 1 S2**

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

(E) - INDICATES EXISTING FRAMING. IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.

AUGER CIP CONCRETE PILE MILD STEEL REINFORCEMENT IS NOT SHOWN FOR CLARITY; TYP.

(N) ALUMINUM GUARDRAILS NOTE: CONTRACTOR TO SUBMIT FOR REVIEW THE ENGINEERED RAILING SHOP DRAWINGS AND CALCULATIONS TO THE EOR PRIOR TO THE RAILING FABRICATION.

AUGER CIP CONCRETE PILE MILD STEEL REINFORCEMENT IS NOT SHOWN FOR CLARITY; TYP.

NO.	REVISIONS	DATE
1	PER BLDG DEPT	09-24-20
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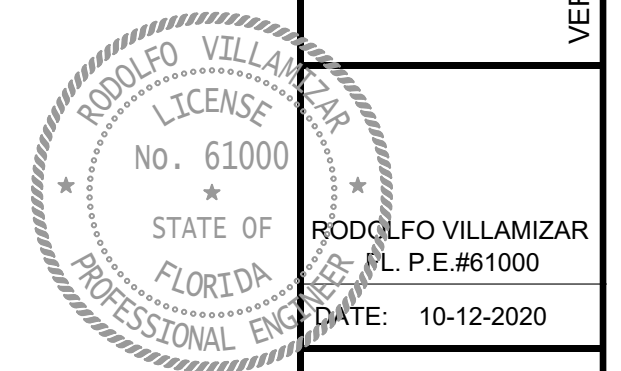
DESIGNED	DRAWN	CHECKED	DATE ISSUED	SCALE
C-JW & JT	AER	RV	08-31-2020	AS NOTED
20-0133				

1835 - 20TH STREET  
VERO BEACH, FL 32960  
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FT. PIERCE, FL, PH (772) 468-9085



FIRST BASE - CAMERA STAND PROPOSED FOUNDATION PLAN, PROPOSED FRAMING PLAN, AND ELEVATION

JACKIE ROBINSON  
TRAINING COMPLEX  
CAMERA STANDS  
FLORIDA



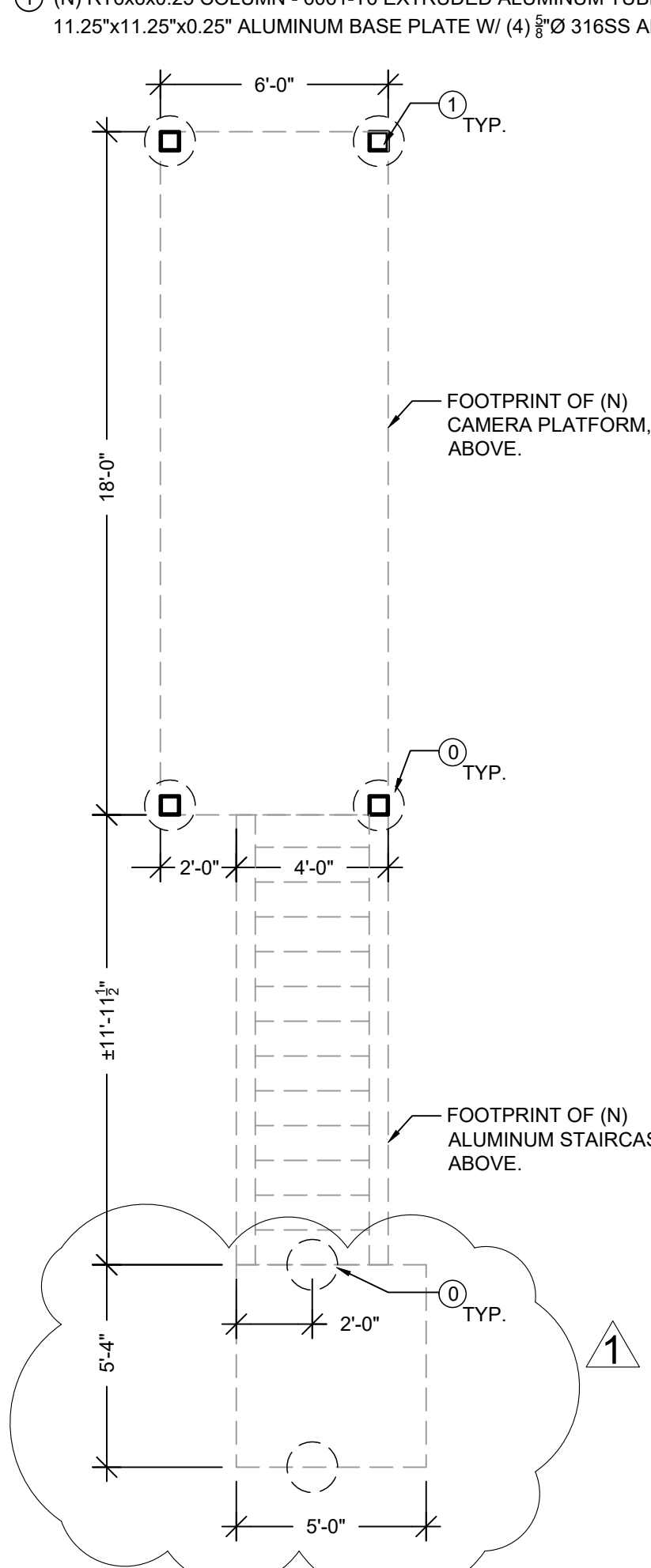
SHEET S2 OF 4  
20-0133

PERMIT SET

20-0133



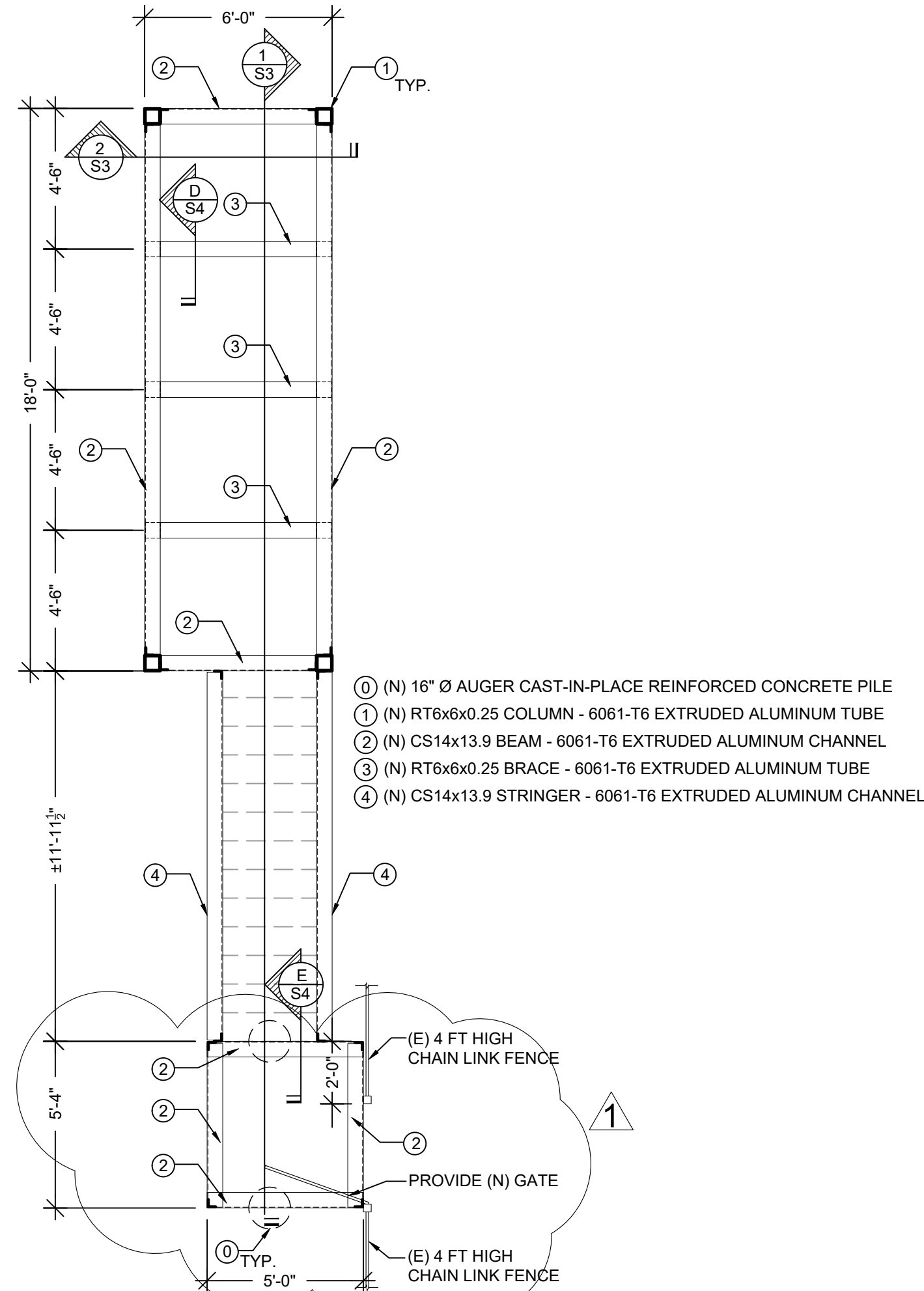
- (N) 16" Ø AUGER CAST-IN-PLACE REINFORCED CONCRETE PILE
- (N) RT6x6x0.25 COLUMN - 6061-T6 EXTRUDED ALUMINUM TUBE W/ 11.25"x11.25"x0.25" ALUMINUM BASE PLATE W/ (4) 3/8" Ø 316SS ANCHOR BOLTS



**THIRD BASE - CAMERA STAND PROPOSED FOUNDATION PLAN**

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

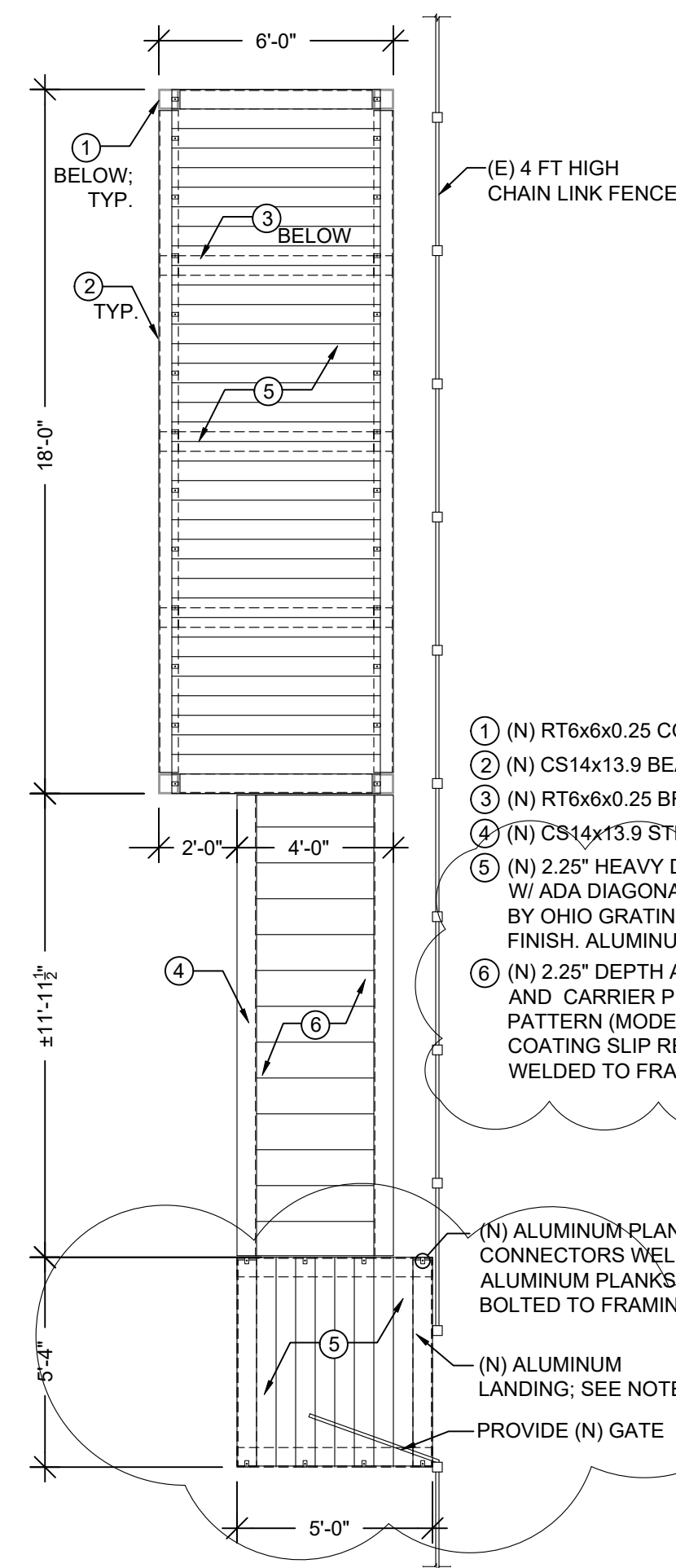
(E) - INDICATES EXISTING FRAMING, IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.



**THIRD BASE - CAMERA STAND PROPOSED FRAMING PLAN**

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

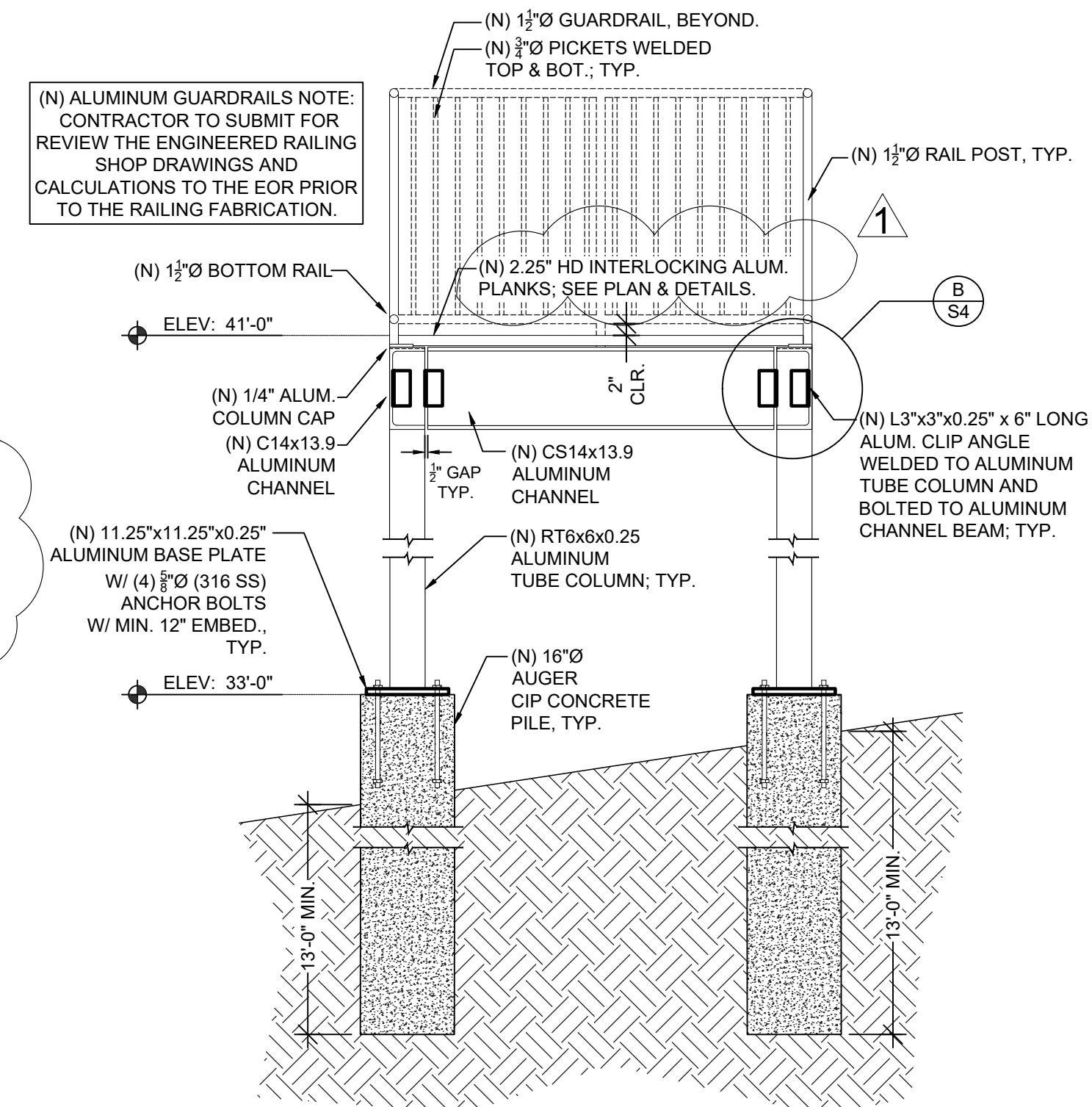
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(N) - INDICATES NEW FRAMING TO BE INSTALLED.



**THIRD BASE - CAMERA STAND PROPOSED FLOOR PLAN**

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

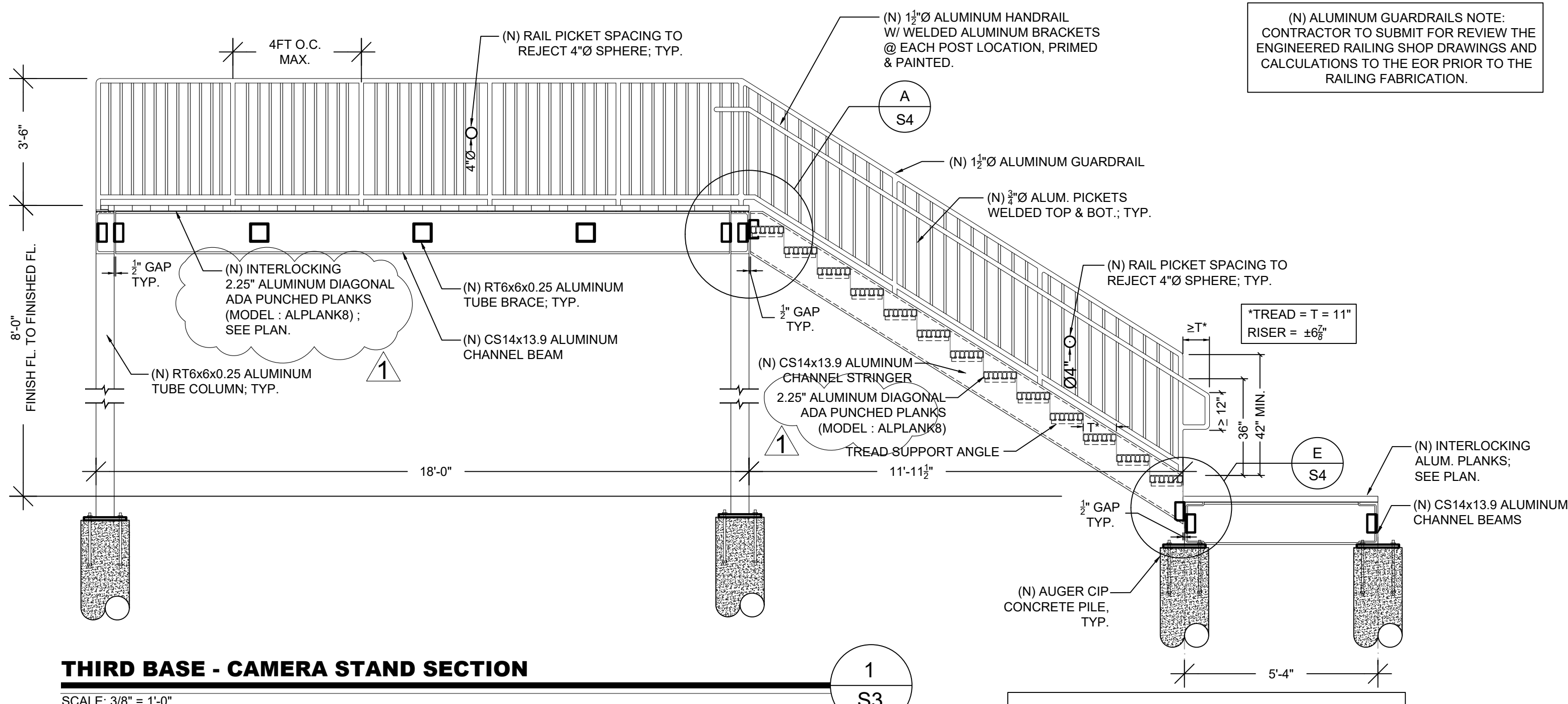
(E) - INDICATES EXISTING FRAMING, IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.



**SECTION 2 S3**

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

(E) - INDICATES EXISTING FRAMING, IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.



**THIRD BASE - CAMERA STAND SECTION 1 S3**

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

(E) - INDICATES EXISTING FRAMING, IF ANY PORTION IS DAMAGED, OR IF IT IS NOT FRAMED AS SHOWN, THEN VERIFY & COMPLETE NEW INSTALLATION.  
(N) - INDICATES NEW FRAMING TO BE INSTALLED.

AUGER CIP CONCRETE PILE MILD STEEL REINFORCEMENT IS NOT SHOWN FOR CLARITY; TYP.

NO.	REVISIONS	DATE
1	PER BLDG DEPT	09-24-20
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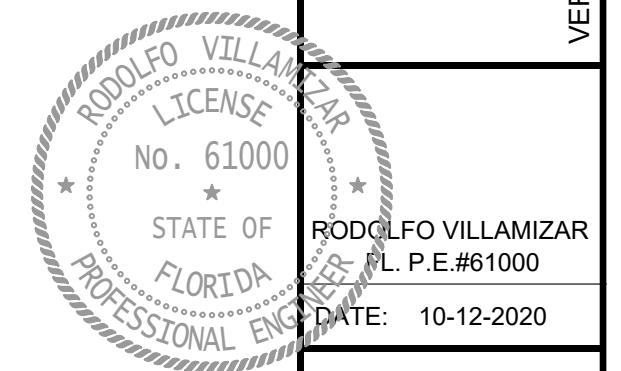
DESIGNED	DRAWN	CHECKED	DATE ISSUED	SCALE
C-JW & JT	AER	RV	08-31-2020	AS NOTED

20-0133  
1835 - 20TH STREET  
VERO BEACH, FL 32960  
PH. (772) 569-0035  
FX. (772) 778-3617  
MELBOURNE, FL, PH (321) 263-4510  
FT. PIERCE, FL, PH (772) 468-9855



THIRD BASE - CAMERA STAND PROPOSED FOUNDATION PLAN, PROPOSED FRAMING PLAN, AND ELEVATION

JACKIE ROBINSON  
TRAINING COMPLEX  
CAMERA STANDS  
VERO BEACH, FLORIDA

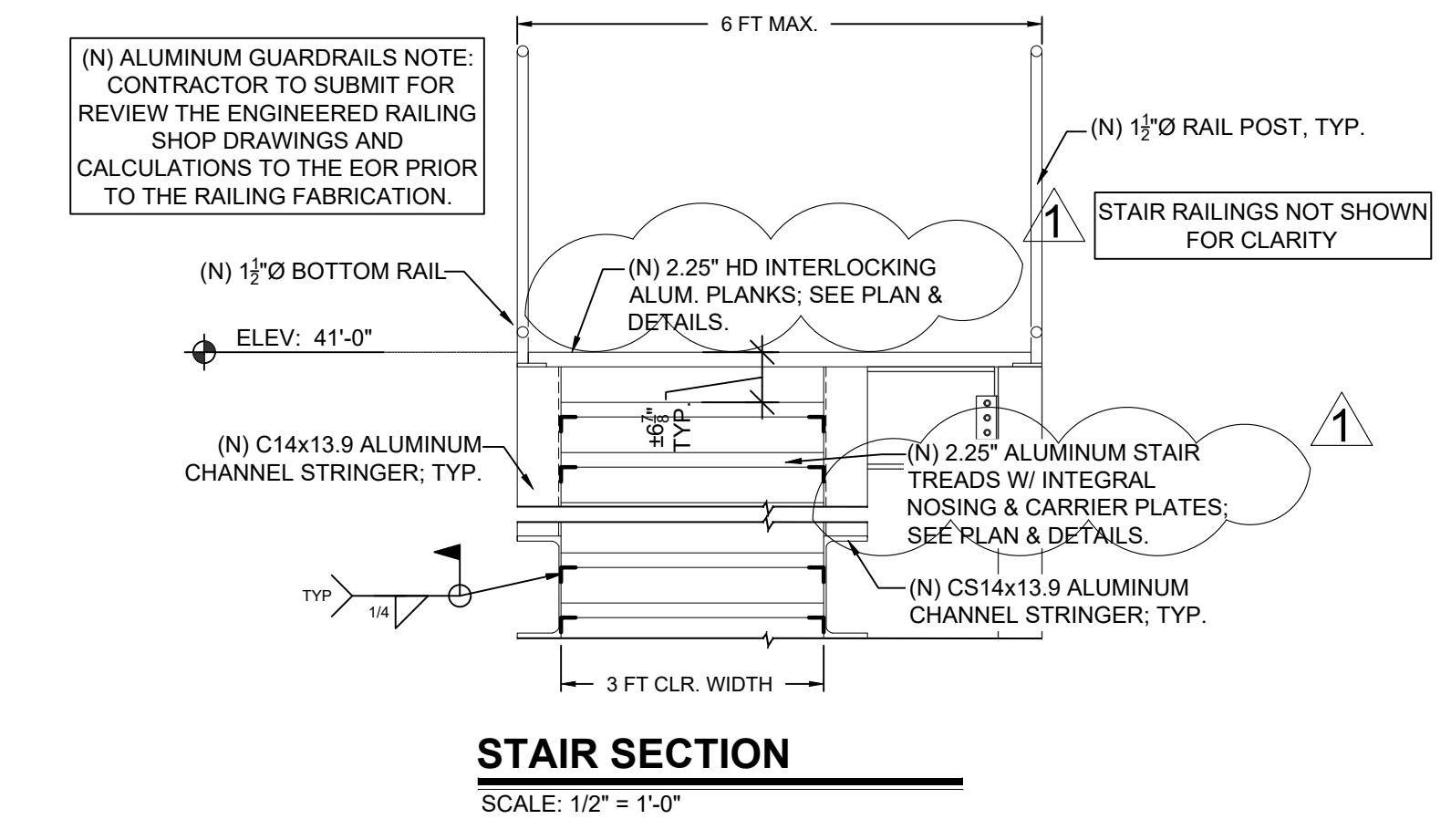
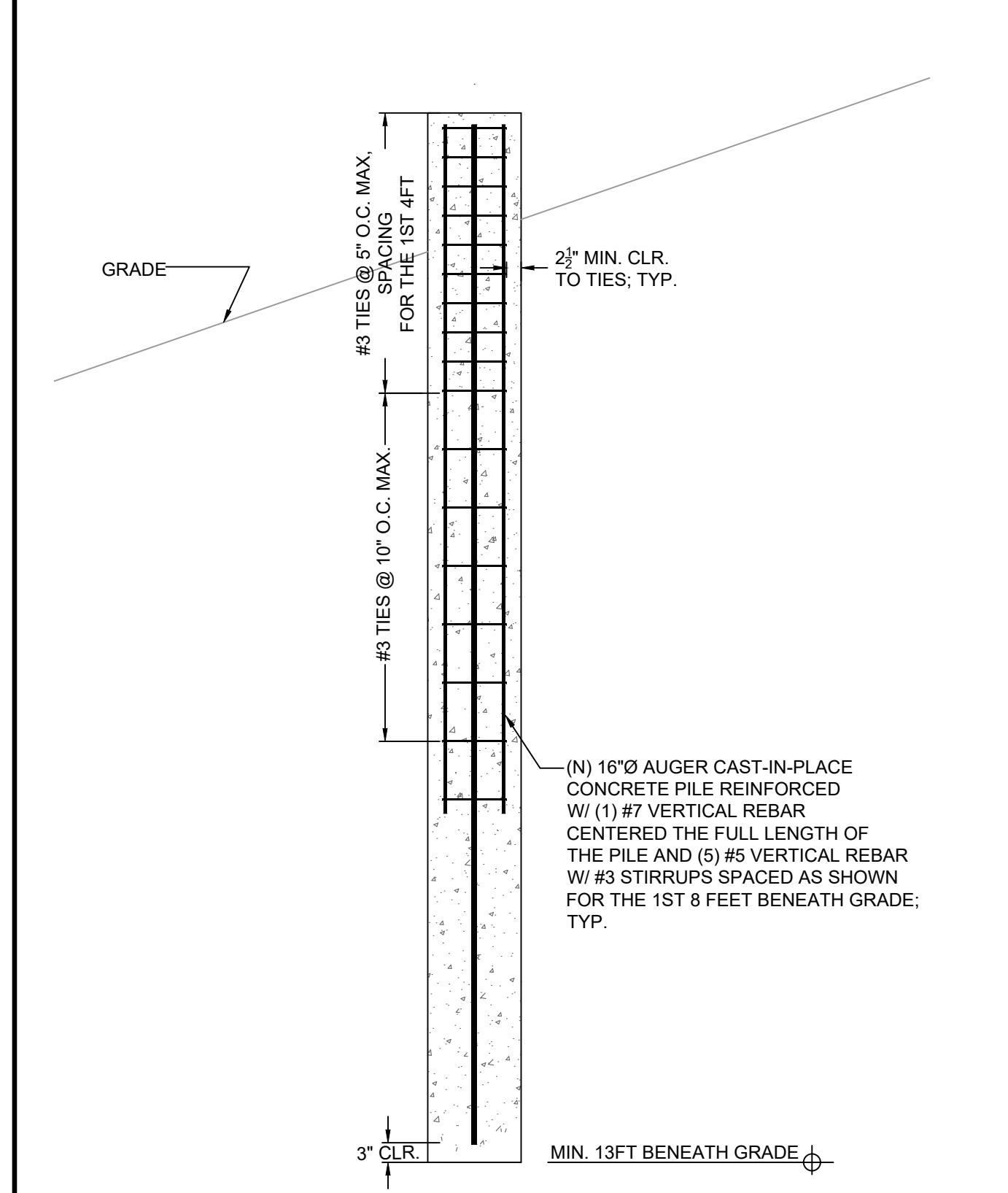
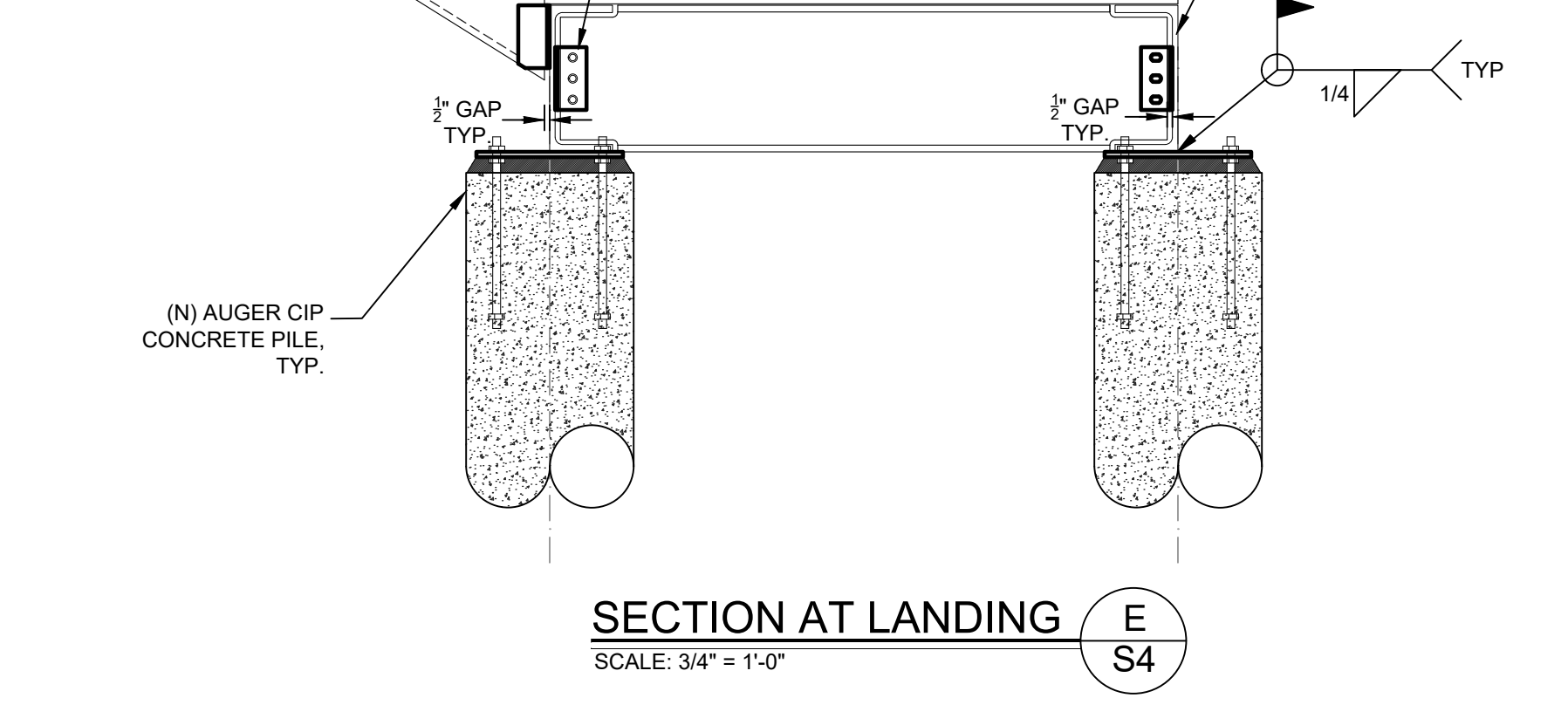
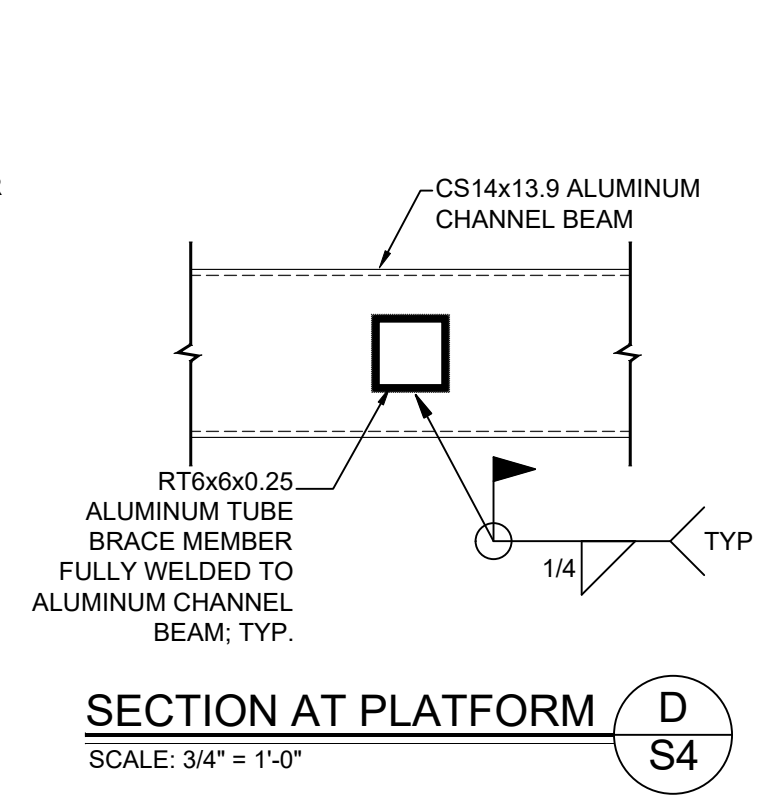
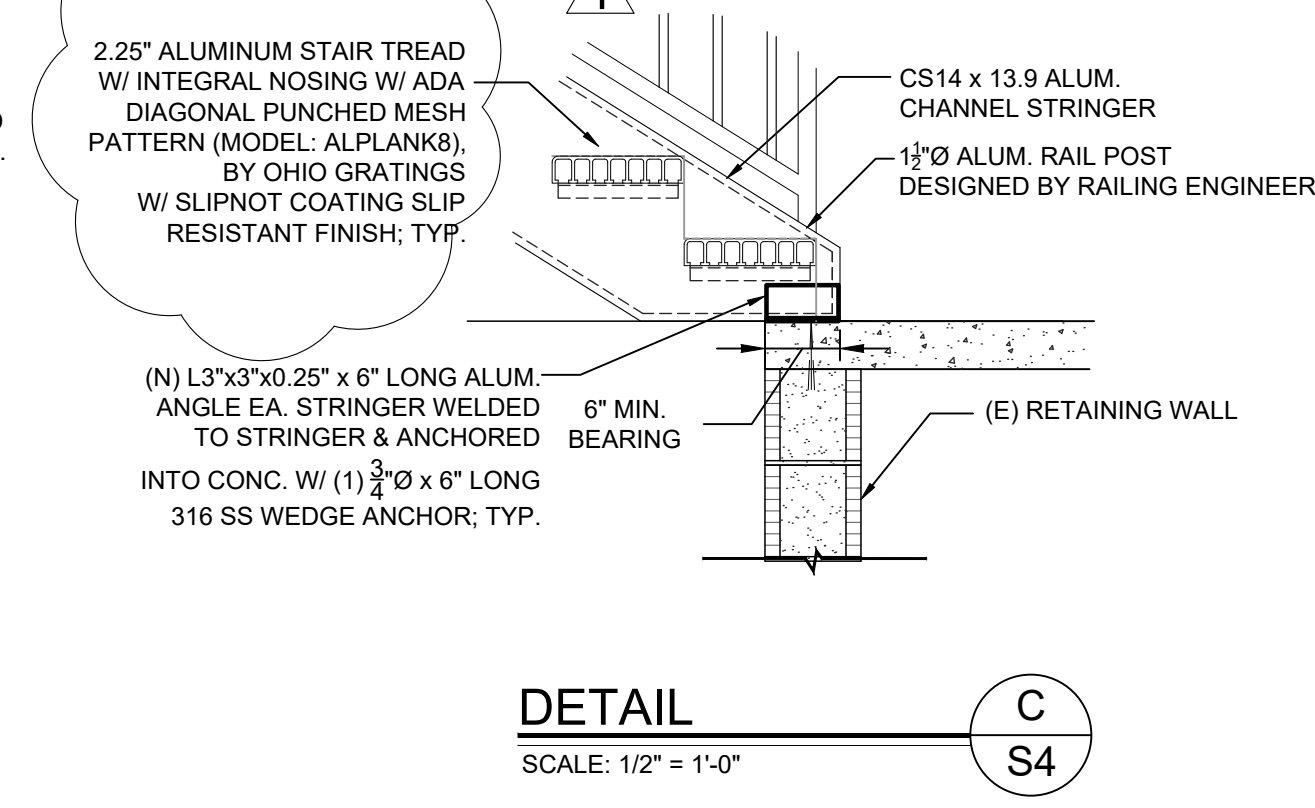
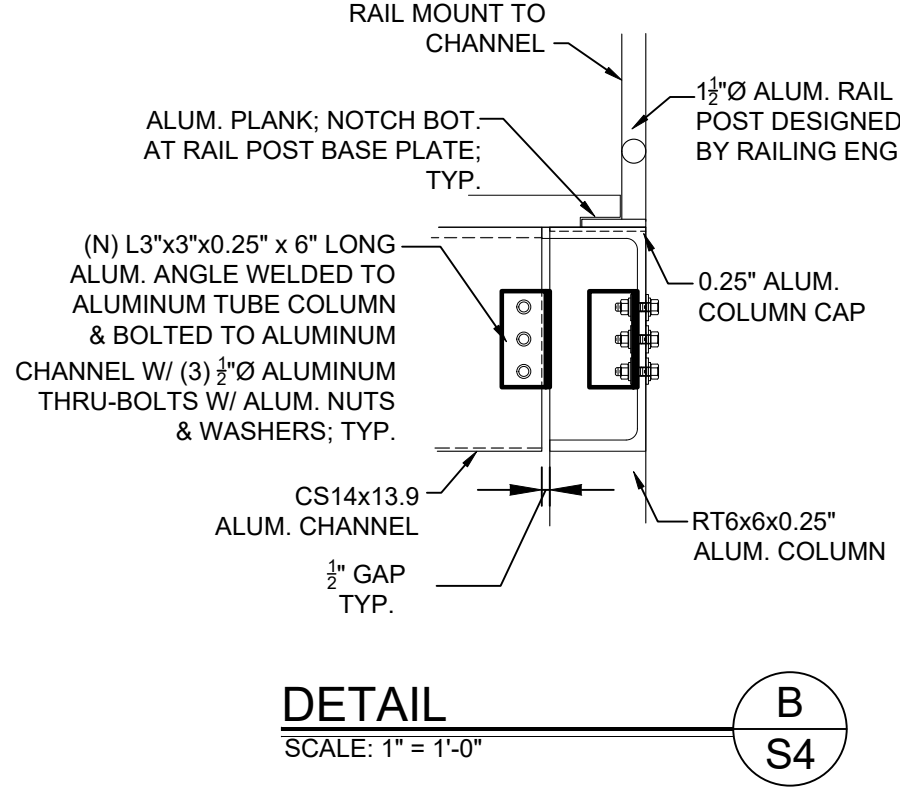
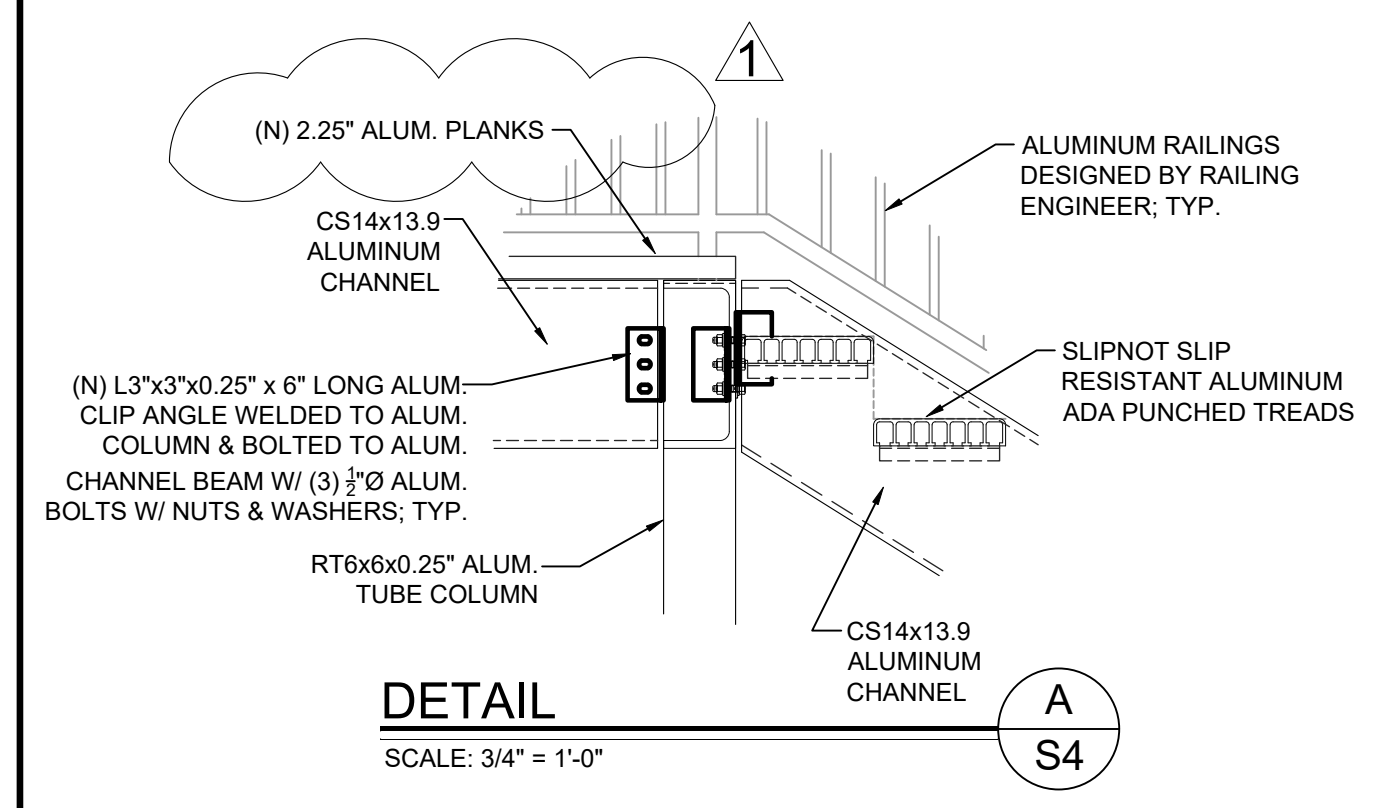


SHEET  
**S3**  
OF 4  
20-0133

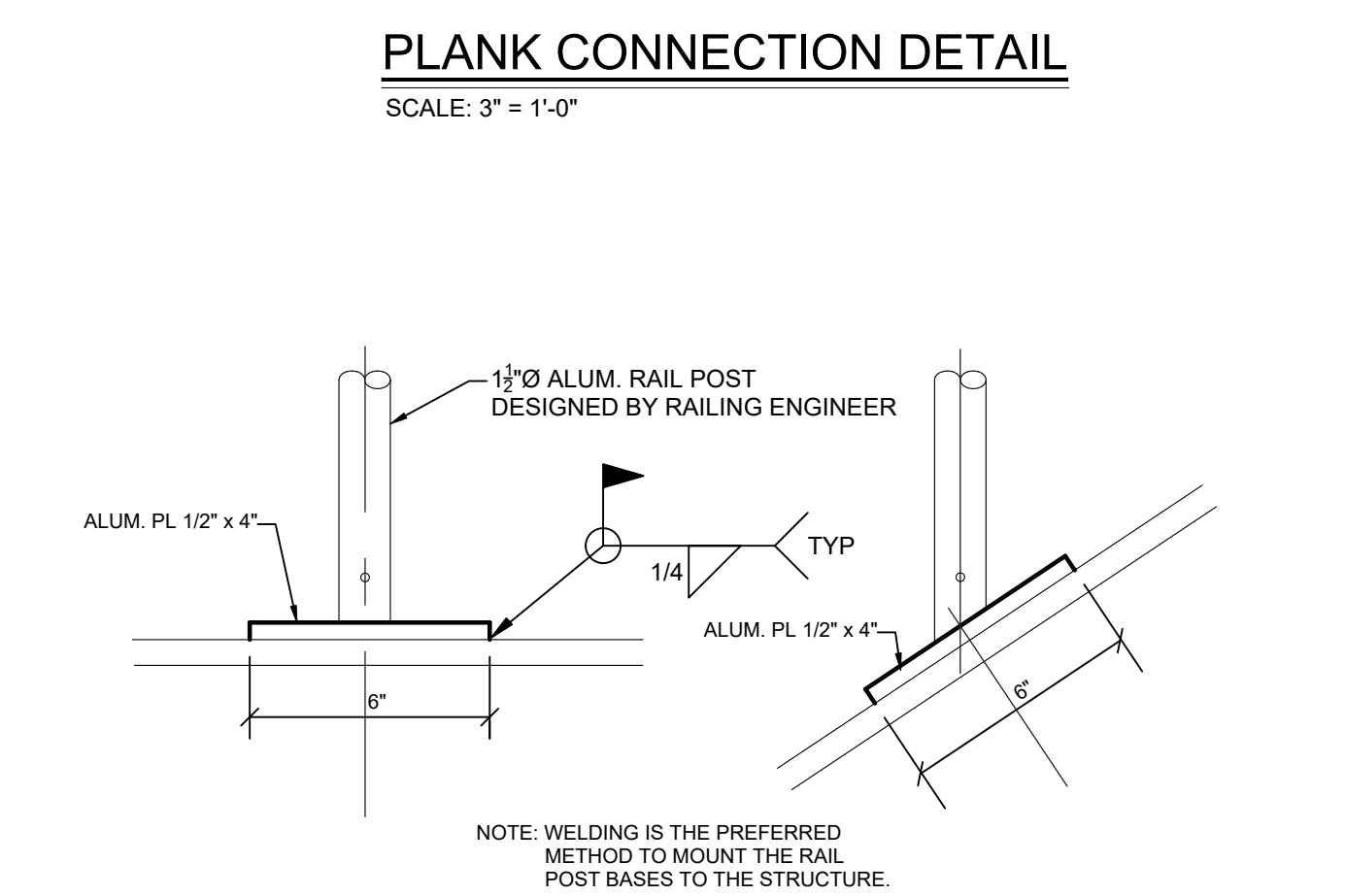
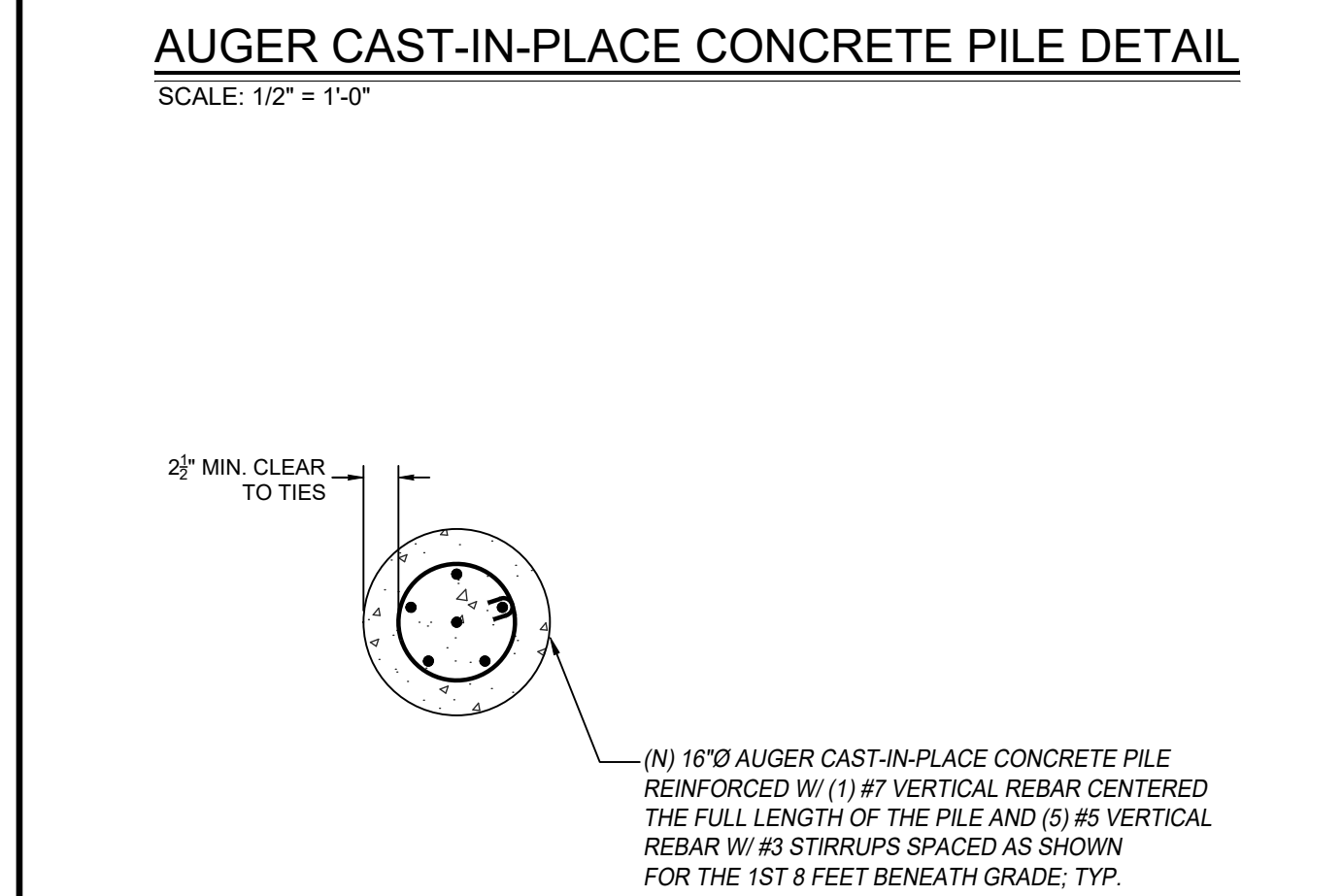
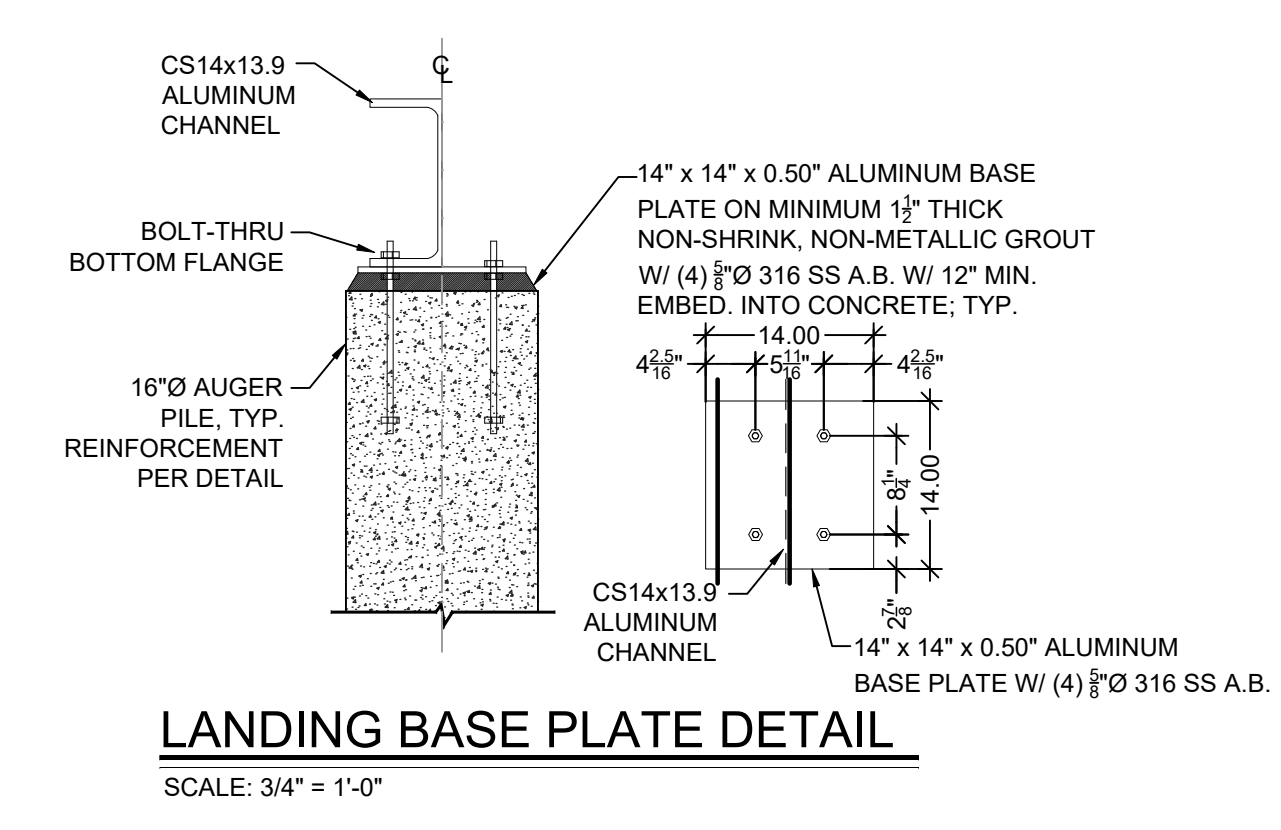
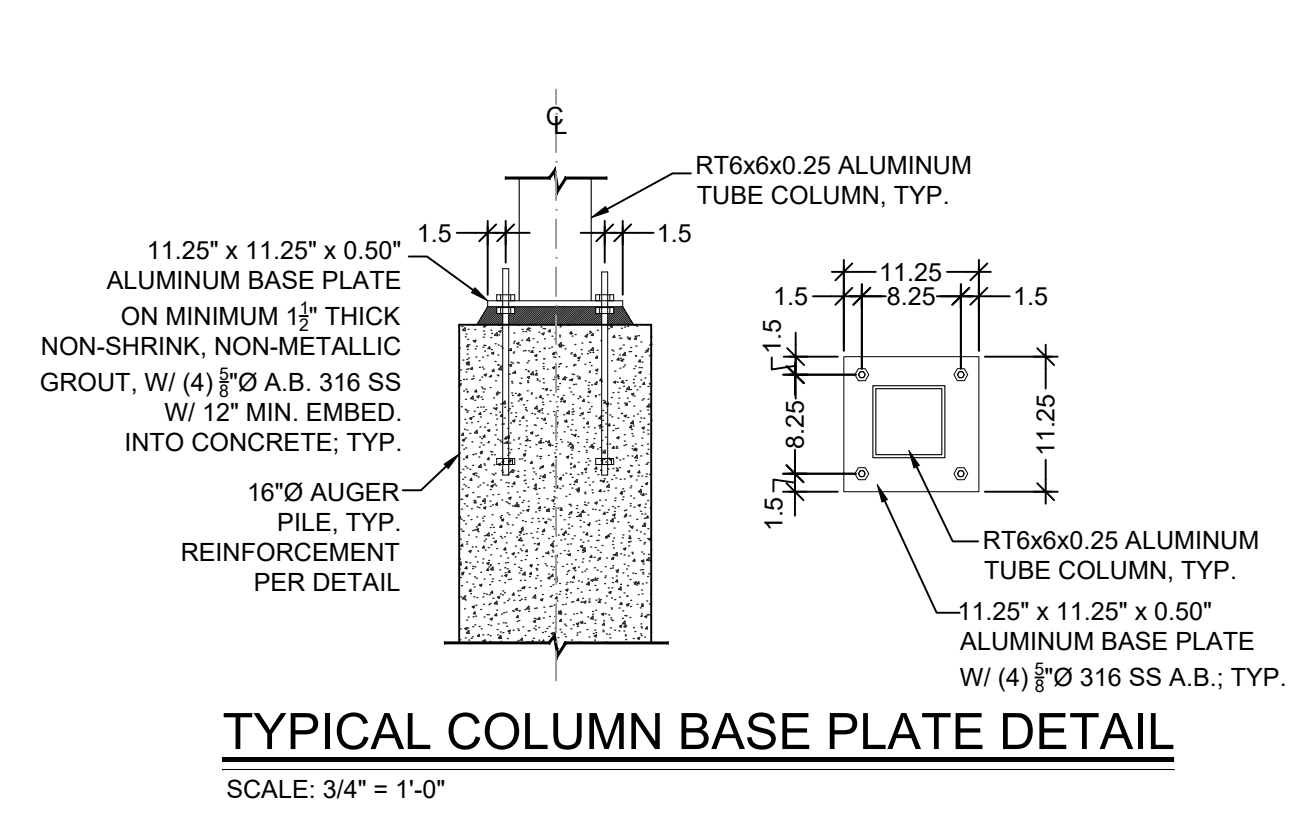
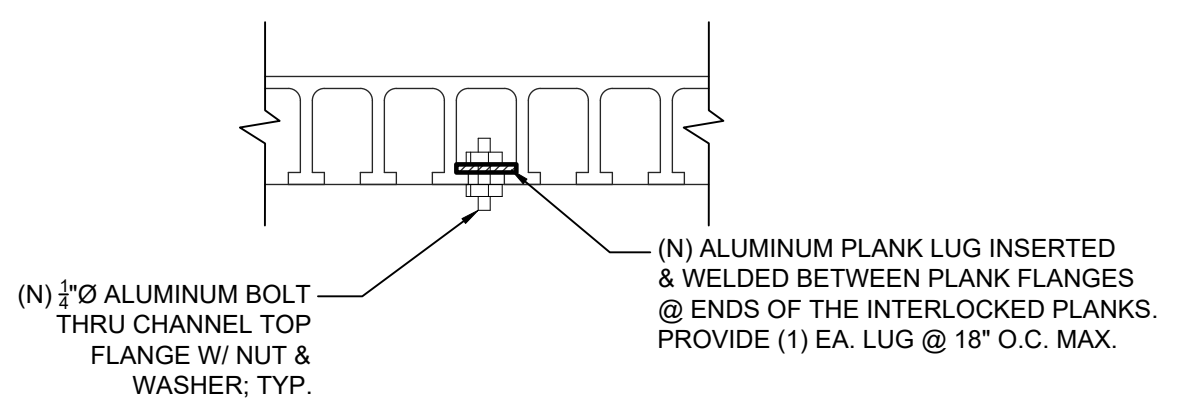
PERMIT SET

20-0133

20-0133



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 (N) - INDICATES NEW FRAMING TO BE INSTALLED.



**16" DIAMETER AUGER CAST PILE**  
 SCALE: 3/4" = 1'-0"

**RAIL POST TOP MOUNT TO FRAME DETAIL**  
 SCALE: 3/4" = 1'-0"

REVISIONS	DATE
1	09-24-20
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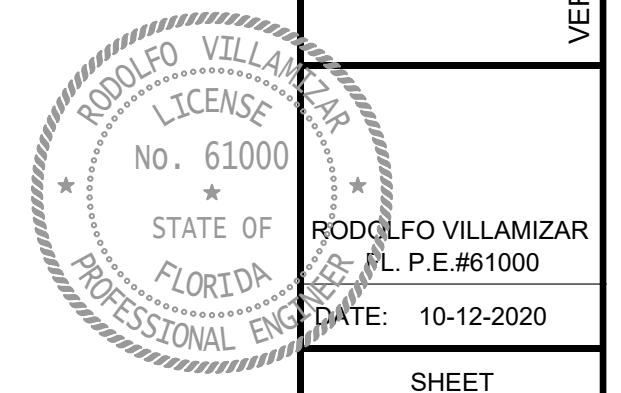
DESIGNED	CHECKED	DATE	SCALE
CJW & JT	RV	MAY 2020	AS NOTED
AER	RV		
MA	RV		
MA	RV		
MA	RV		
MA	RV		
MA	RV		

1835 - 20TH STREET  
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**EMBV ENGINEERING INC.**  
 MEDIA BOWLES VILLAMIZAR & ASSOCIATES  
 CONSULTING ENGINEERING - CA #3728

SECTIONS AND STRUCTURAL DETAILS

JACKIE ROBINSON  
 TRAINING COMPLEX  
 CAMERA STANDS  
 VERO BEACH, FLORIDA



SHEET  
**S4**  
 OF 4  
 20-0133

PERMIT SET