

**STRUCTURAL-GENERAL NOTES**

**DESIGN CRITERIA AND LOADS:**

1. WIND DESIGN:  
WIND SPEED (MPH) V(ADJ)=127 V(ULT)=160  
RISK CATEGORY II  
EXPOSURE CATEGORY C  
ENCLOSURE CLASSIFICATION ENCLOSED  
INTERNAL PRESSURE COEFFICIENT CPI = +/- 0.18  
TOPOGRAPHIC FACTOR KZT = 1.0

2. DESIGN LIVE LOADS:  
a. PLATFORM 150 PSF  
b. STAIRS 100 PSF

3. DESIGN DEAD LOADS:  
a. PLATFORM 10 PSF

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 MARKED-UP STRUCTURAL PLAN INDICATING LOCATIONS OF ANY NEW EQUIPMENT LOADS. SUBMIT PLANS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

**GENERAL REQUIREMENTS**

1. PLAN AND DETAIL NOTES AND SPECIFIC LOADING DATA PROVIDED ON INDIVIDUAL PLANS AND DETAIL DRAWINGS SUPPLEMENTS INFORMATION IN THE STRUCTURAL GENERAL NOTES.

2. 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).

3. 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.

4. 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 UNIT LOCATIONS, AND OTHER NONSTRUCTURAL ITEMS.

5. 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.

6. 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.

7. 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).

8. 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.

9. 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 UNCHECKED.

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.

14. 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.

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.

2. 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**

1. 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.

2. FOUNDATIONS WERE DESIGNED FOLLOWING THE RECOMMENDATIONS OF KSM ENGINEERING & TESTING, AS STATED IN THEIR REPORT, FILE NO 203031-b, DATED JULY 6, 2020.

3. 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.

4. 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

5. 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.

6. 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.

7. 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.

8. 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.

9. SUBGRADE SHALL BE UNIFORM OVER THE ENTIRE FOUNDATION AREA. DEPRESS SLABS ON GRADE FOR FLOOR FINISHES PER ARCHITECTURAL DRAWINGS.

10. 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.

11. 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.

12. 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. 8 AND LARGER BARS 2"

13. 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).

14. AREA DRAINAGE SHALL BE DIRECTED AWAY FROM THE FOUNDATION.

15. GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SHORING, SHEETING AND BRACING OF EXCAVATIONS.

16. 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.

17. 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**

1. 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.

2. 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 MAXIMUM RESISTANCE AND MAINTAINABILITY. THE EXPOSED SURFACES OF ALL ALUMINUM MEMBERS SHALL BE CLEAN AND FREE FROM SERIOUS SURFACE BLEMISHES, SCRATCHES OR TOOL MARKS.

3. 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.

4. ALL FASTENERS SHALL BE SERIES 300 OR 400 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.

5. 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 GLAZING TAPES.

6. A DIP-COAT OF CLEAR ACRYLIC ENAMEL SHALL INSULATE COLUMN ENDS FROM ELECTROLYTIC REACTION WITH GROUT. GROUT SHALL BE 250# COMPRESSIVE STRENGTH, OR BETTER.

7. IF WATER FLOW IS DIRECTED FROM ROOF TO COLUMNS, PROVIDE FOR DISCHARGE OUT "WEEPHOLES" AT GROUND LEVEL. THE WEEP HOLES SHALL BE MINIMUM 1/4" DIAMETER.

8. 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 1/2" WELDS MINIMUM CONDUCTED IN ACCORD WITH AWS STANDARDS. 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.

9. 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".

10. STRUCTURE SHALL BE CONSTRUCTED USING ALL EXTRUDED ALUMINUM MEMBERS OF ALLOYS AS SPECIFIED. STRUCTURAL FRAMING MEMBERS TO BE CURVED ARE TO BE FURNISHED IN ALL OR BE SUBMITTED TO FULFILLING THE CURVING FUNCTION WITH A MINIMUM OF DEFORMATION WHILE MAINTAINING STRUCTURAL INTEGRITY.

11. 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.

12. ALL CLIPS FOR THE ATTACHMENT OF THE RAFTERS AND PURLIN BARS SHALL BE ALUMINUM, SHALL BE SHOP RIVETED, BOLTED, OR WELDED TO THE RAFTER BARS.

13. CONTACT BETWEEN ALUMINUM AND DISSIMILAR MATERIALS SHALL RECEIVE A PROTECTIVE COATING FOR THE PREVENTION OF ELECTROLYTIC ACTION AND CORROSION.

**PILE NOTES**

1. 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.

2. 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.

3. REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A-615 GRADE 60.

4. TOP OF PILE CAP SHALL BE INDICATED ON PLAN THUS; (00'), TOP OF GRADE BEAM SHALL BE SAME AS THAT OF THE PILE CAP WHERE IT FRAMES, UNLESS INDICATED IN THE GRADE BEAM SCHEDULE.

5. 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.

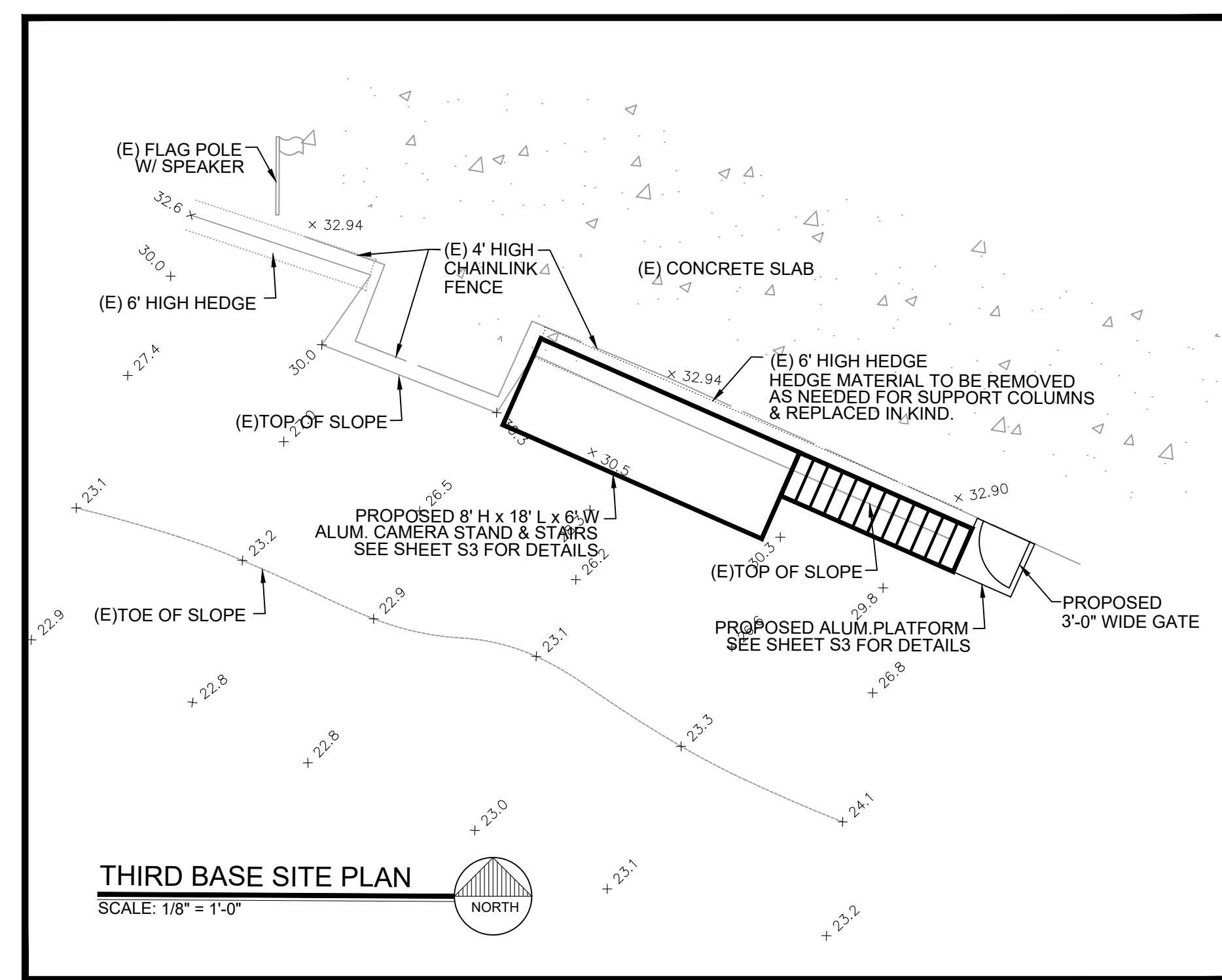
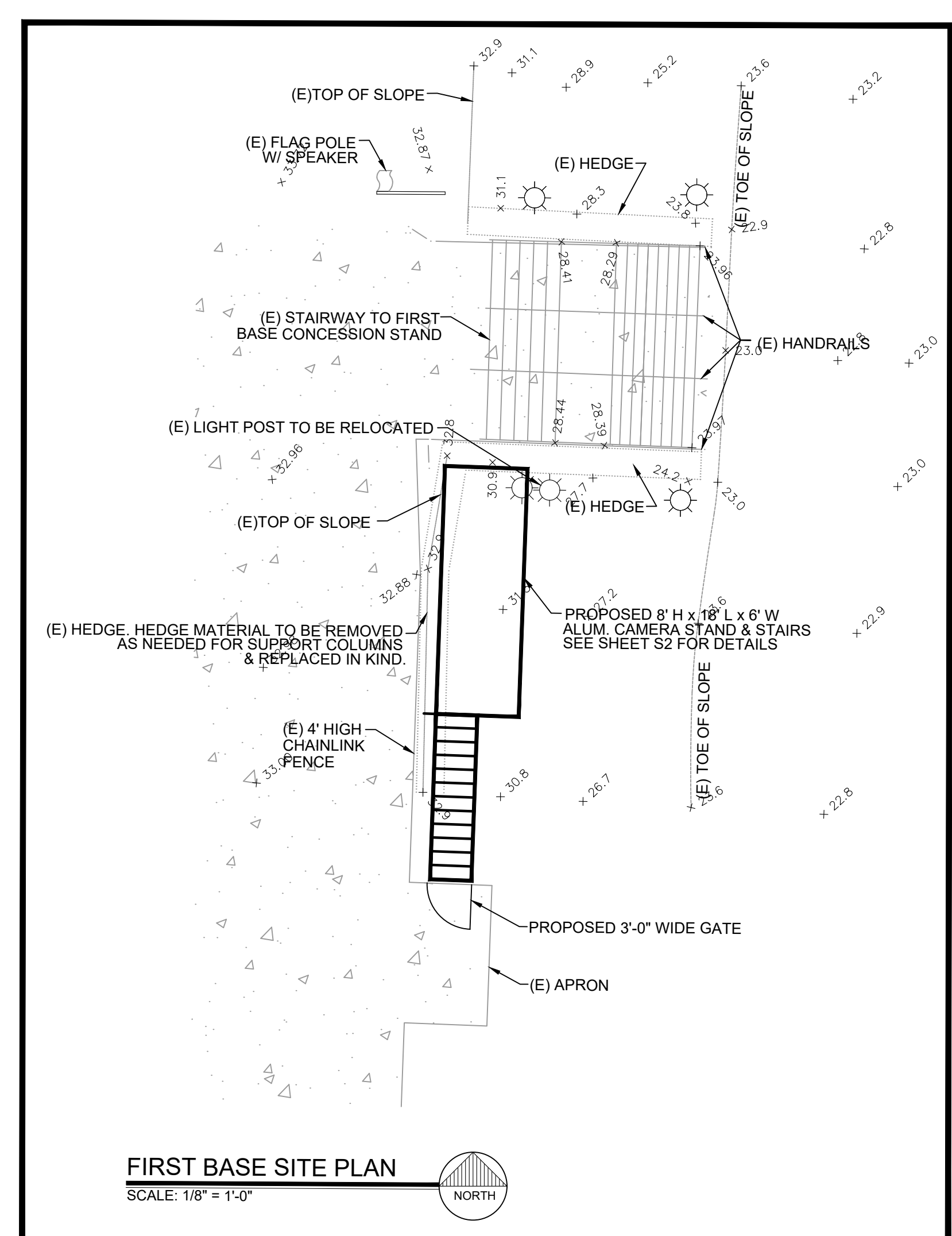
7. PILE INSTALLATION SHALL BE OBSERVED BY A REPRESENTATIVE OF MBV ENGINEERING INC. AND SHALL BE NOTIFIED 48 HOURS PRIOR TO INSTALLATION.

8. 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.

9. LOAD TESTS SHALL BE PERFORMED AS IN ACCORDANCE WITH ASTM 1139, ASTM 03689 AND ASTM 3966.

**ABBREVIATIONS**

AB	- ANCHOR BOLT	HORIZ	- HORIZONTAL
AFF	- ABOVE FINISHED FLOOR	IN	- INCH/INCHES
AHJ	- AUTHORITY HAVING JURISDICTION	MAS	- MASONRY
ALT	- ALTERNATE	MAX	- MAXIMUM
APPROX	- APPROXIMATELY	MIN	- MINIMUM
BOTT	- BOTTOM	MISC	- MISCELLANEOUS
BRG	- BEARING	MPH	- MILES PER HOUR
CFS	- COLD FORMED STEEL	(N)	- NEW
CMU	- CONCRETE MASONRY UNIT	NTS	- NOT TO SCALE
COL	- COLUMN	O.T.	- ON CENTER
CONC	- CONCRETE	PSF	- POUNDS PER SQUARE FOOT
CONT	- CONTINUOUS	PT	- PRESSURE TREATED
D&E	- DRILLED AND EPOXY	REV	- REVISION/REVISED
DBL	- DOUBLE	SPECS	- SPECIFICATIONS
DIA	- DIAMETER	SCHED	- SCHEDULE
DIM	- DIMENSION	SS	- STAINLESS STEEL
DN	- DOWN	T&B	- TOP & BOTTOM
D & E	- DRILLED AND EPOXIED	SYP	- TYPICAL
EA	- EACH	UNO	- UNLESS NOTED OTHERWISE
ELEV	- ELEVATION/ELEVATOR	VERT	- VERTICAL
ENGR	- ENGINEER	V.I.F.	- VERIFY IN FIELD
EW	- EACH WAY	W/	- WITH
EXIST, (E)	- EXISTING	W/O	- WITHOUT
EXP	- EXPANSION	WRB	- WEATHER RESISTANT BARRIER
EXT	- EXTERIOR	WWF	- WELDED WIRE FABRIC
FBC	- FLORIDA BUILDING CODE	WWW	- WELDED WIRE MESH
FF	- FINISH FLOOR	#5	- STEEL REINFORCING BAR (REBAR) #5 (5/8")
FND	- FOUNDATION		
FT	- FEET/FOOT		
FTG	- FOOTING		



**REVISIONS**

NO.	DATE	DESCRIPTION
1	20-0133	DESIGNED
2		DRAWN
3		AER
4		CHECKED
5		DATE ISSUED
6		SCALE
7		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) 468-9065

**MBV ENGINEERING, INC.**  
MODA BOWLES VILLANIZAR & ASSOCIATES  
CONSULTING ENGINEERING CA #9728

**SITE PLANS, AND STRUCTURAL NOTES**

**JACKIE ROBINSON**  
TRAINING COMPLEX  
CAMERA STANDS  
VERO BEACH, FLORIDA

RODOLFO VILLANIZAR  
FL P.E.#61000

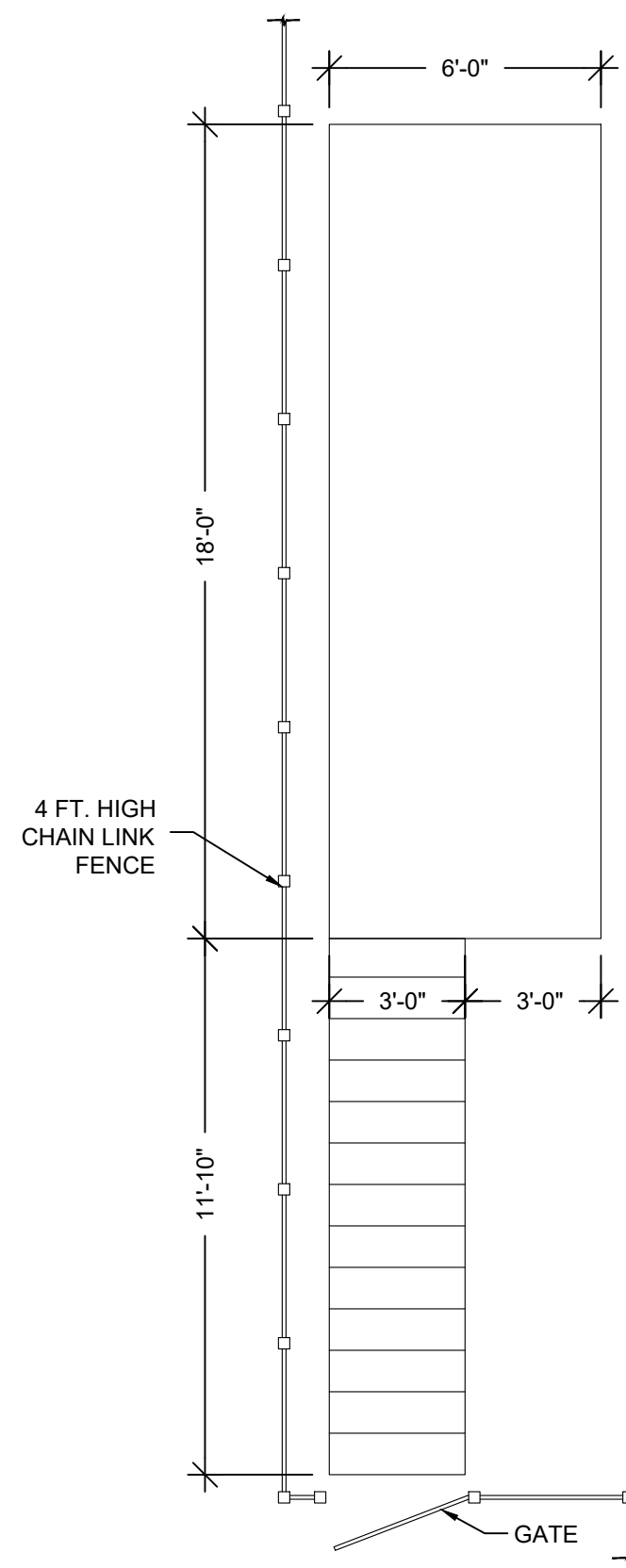
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SHEET  
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OF 4  
20-0133

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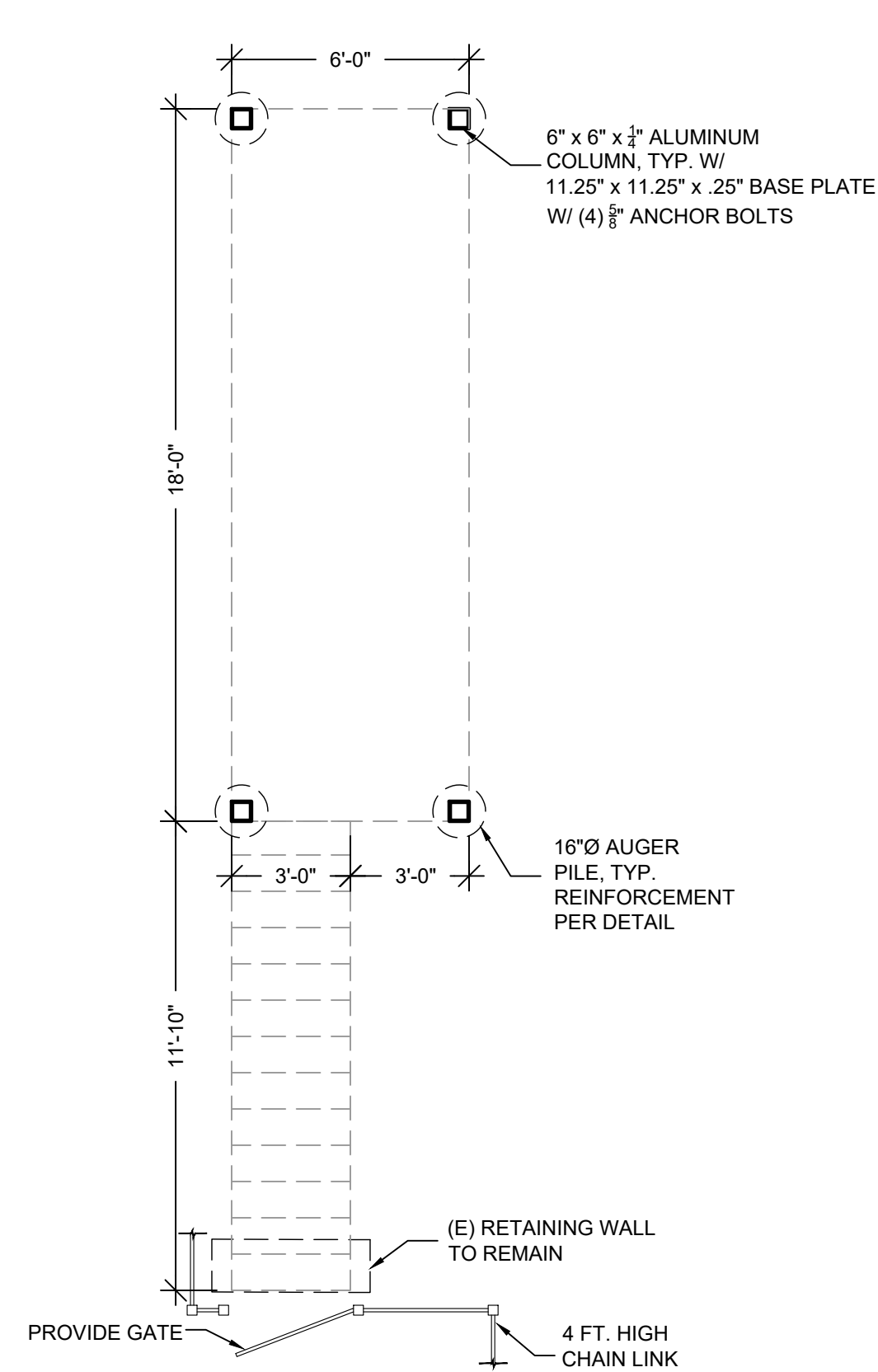
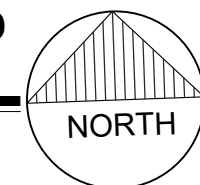
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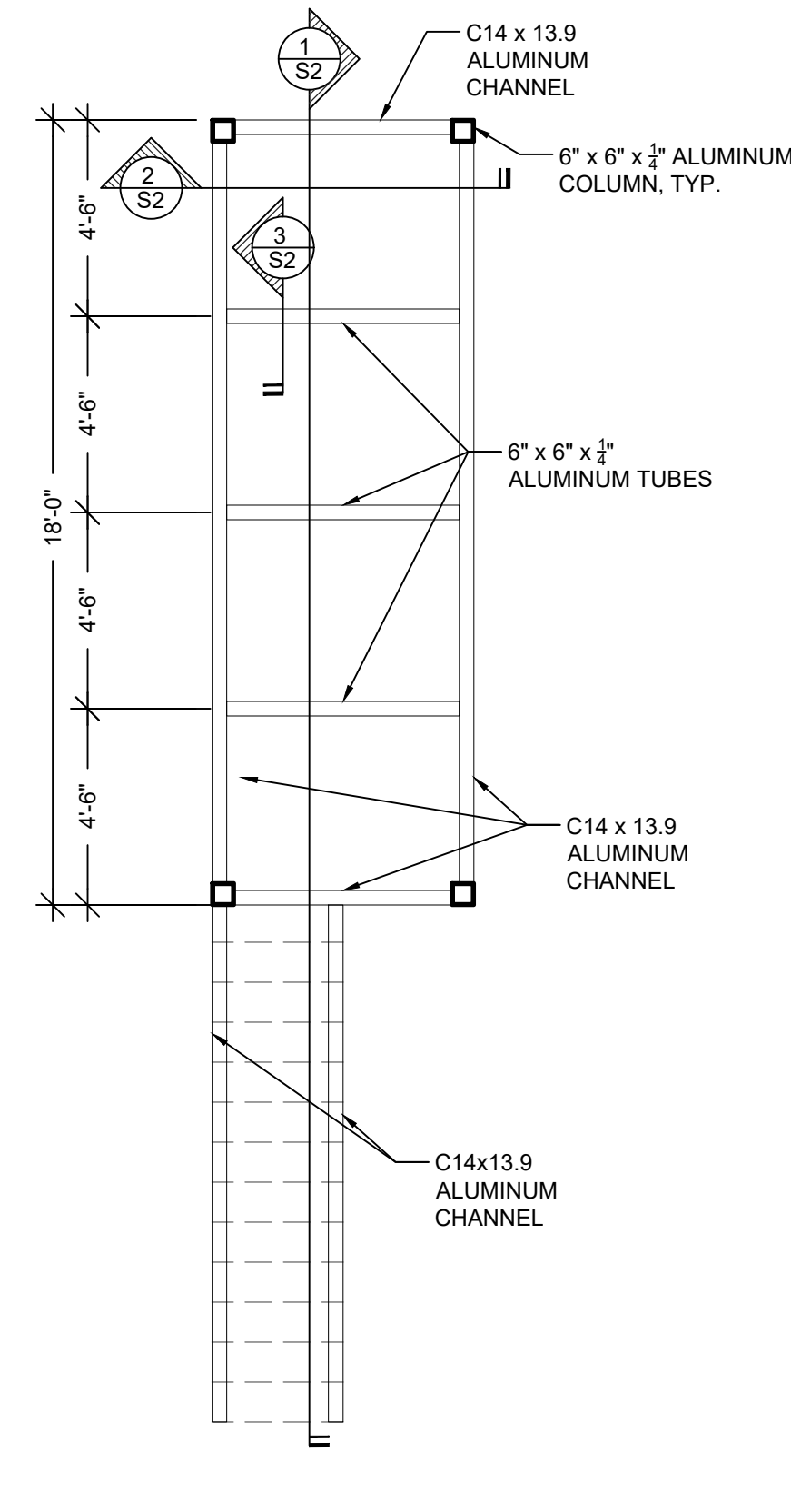
**FIRST BASE - CAMERA STAND PROPOSED FLOOR PLAN**

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



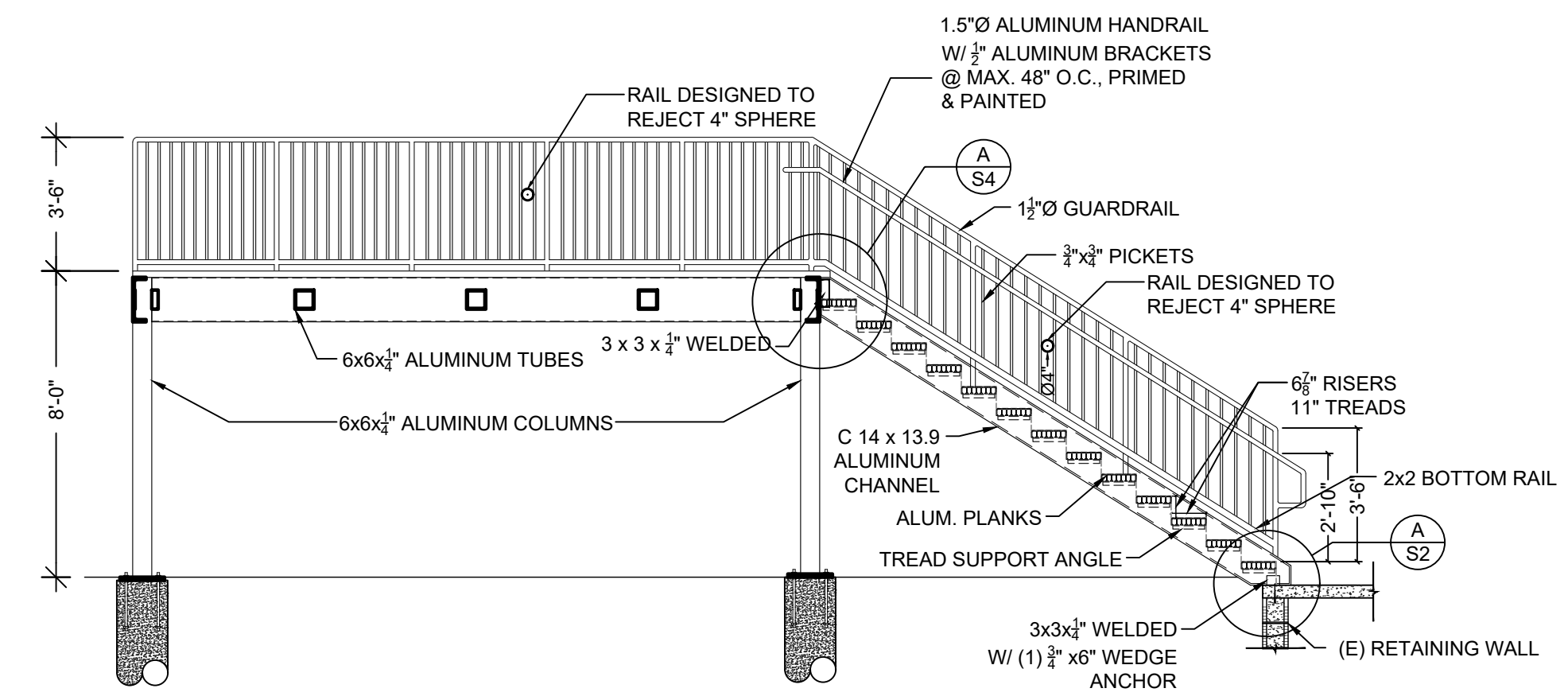
**FIRST BASE - CAMERA STAND PROPOSED FOUNDATION PLAN**

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



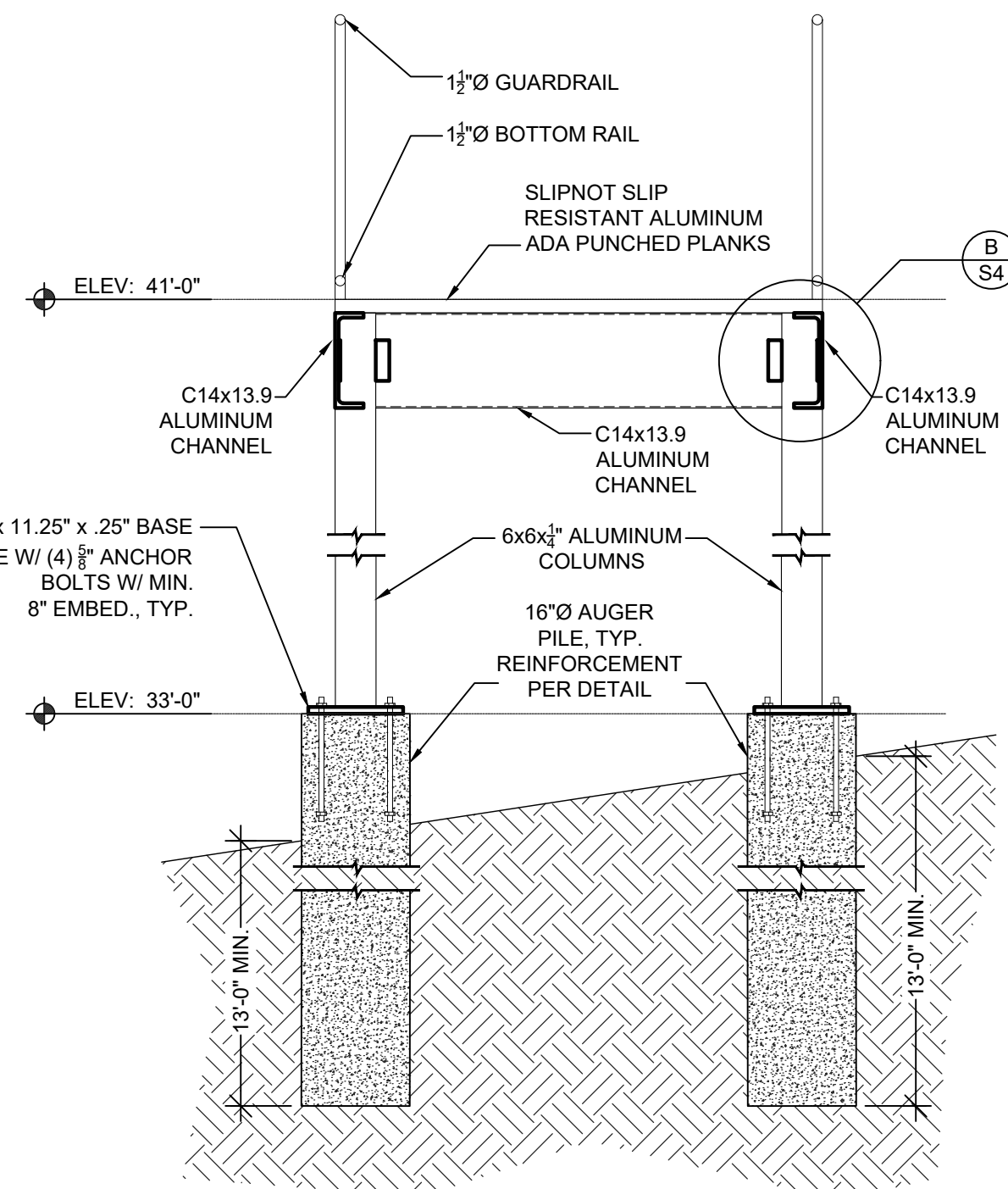
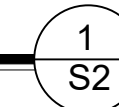
**FIRST BASE - CAMERA STAND PROPOSED FRAMING PLAN**

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



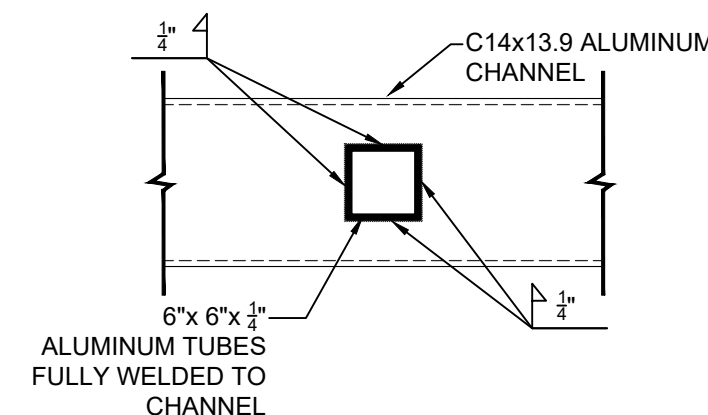
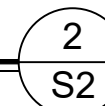
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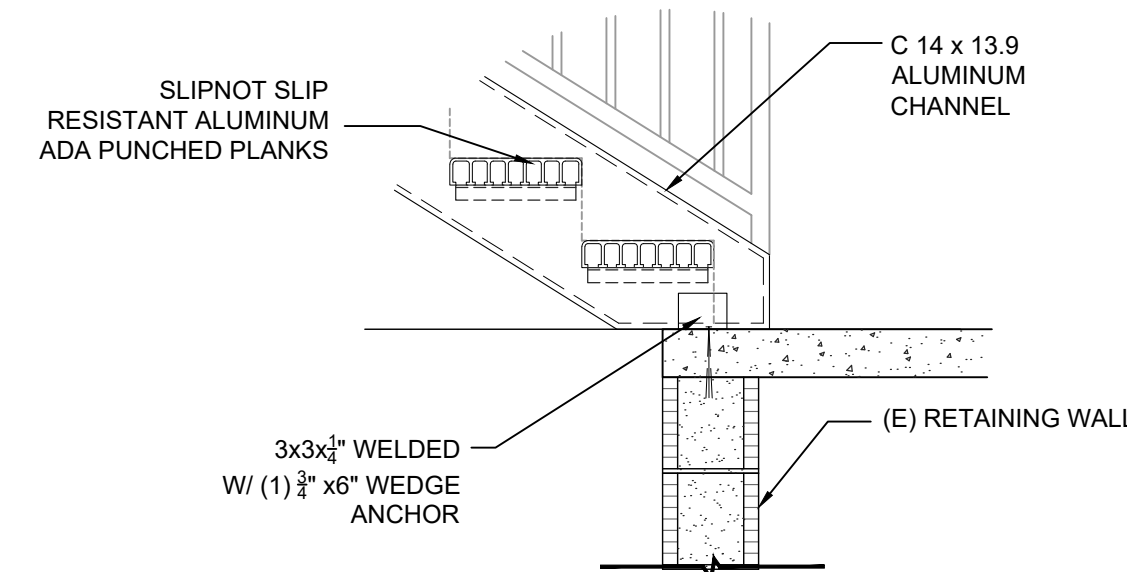
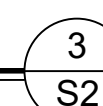
**SECTION 2**

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



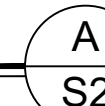
**SECTION AT PLATFORM 3**

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



**DETAIL A**

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



NO.	REVISIONS	DATE
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DES. NO.	20-0133
DESIGNED	C-JW
DRAWN	AER
DATE	MAY 2020
CHECKED	RV
DATE ISSUED	08-18-2020
SCALE	AS NOTED

1835 - 20TH STREET  
 VERO BEACH, FL 32960  
 PH. (772) 569-0035  
 FX. (772) 778-3617  
 MELBOURNE, FL, PH (321) 263-1510  
 FT. PIERCE, FL, PH (772) 468-9085

**EMBY ENGINEERING, INC.**  
 CONSULTING ENGINEERING CA #9728  
 MODA BOWLES VILLAMIZAR & ASSOCIATES

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

JACKIE ROBINSON  
 TRAINING COMPLEX  
 CAMERA STANDS  
 VERO BEACH, FLORIDA

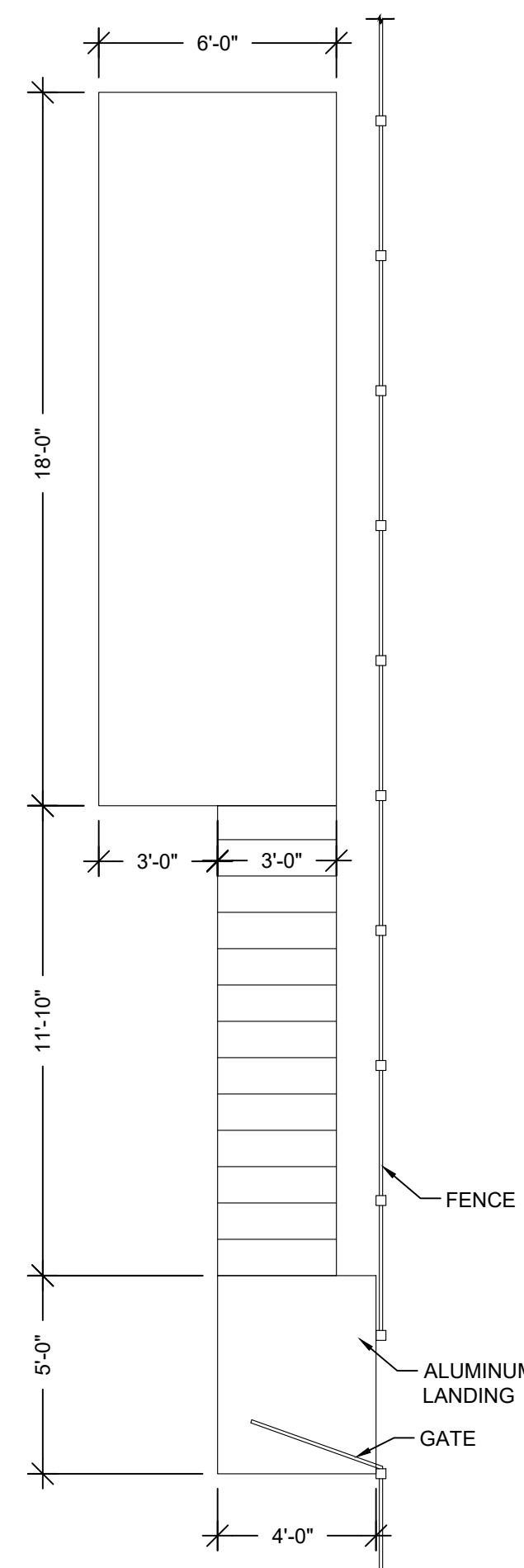
RODOLFO VILLAMIZAR  
 FL. P.E.#61000  
 DATE:

SHEET  
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 OF 4  
 20-0133

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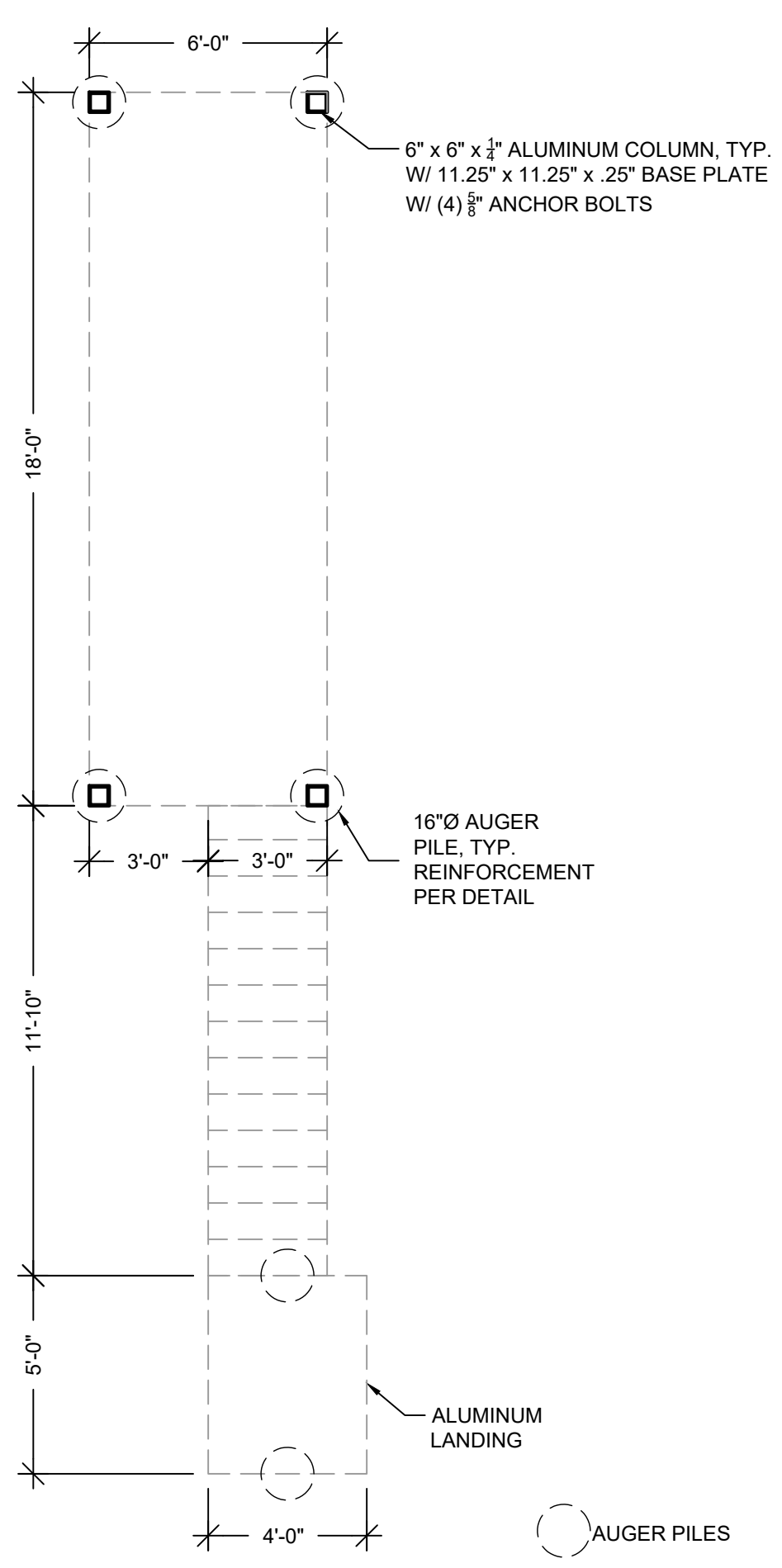
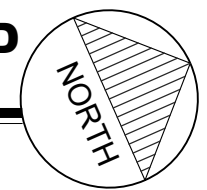
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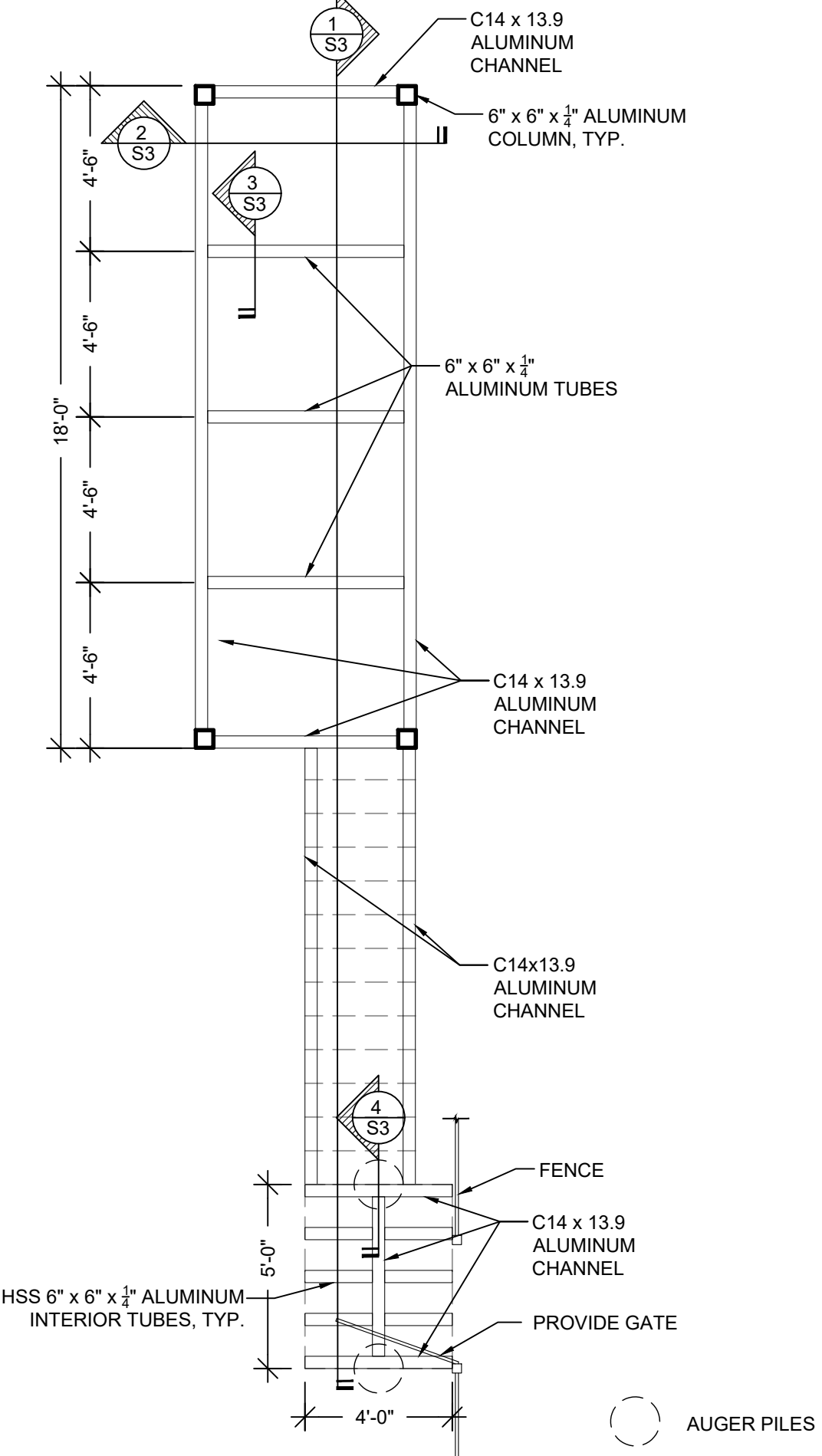
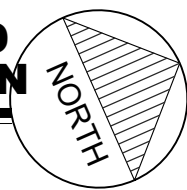
**THIRD BASE - CAMERA STAND PROPOSED FLOOR PLAN**

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



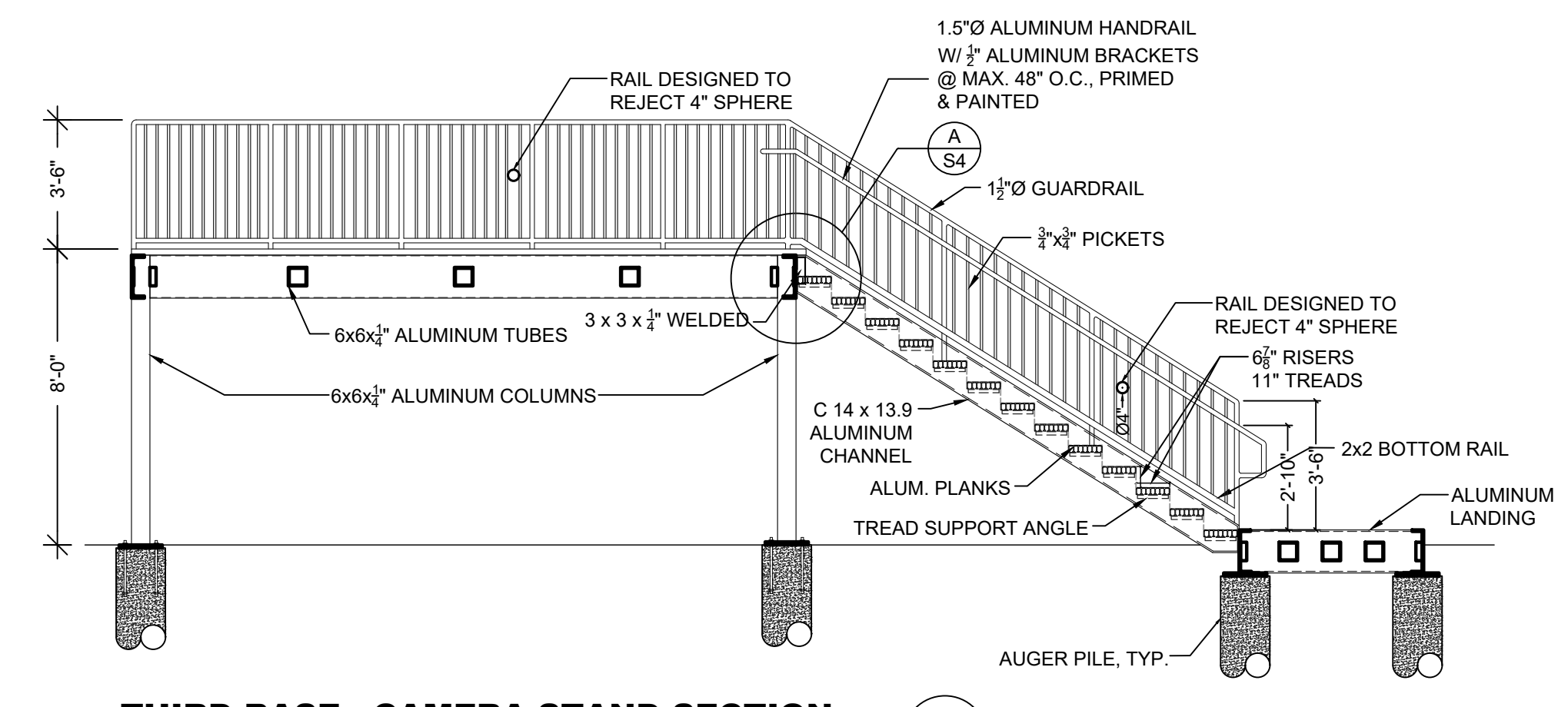
**THIRD BASE - CAMERA STAND PROPOSED FOUNDATION PLAN**

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



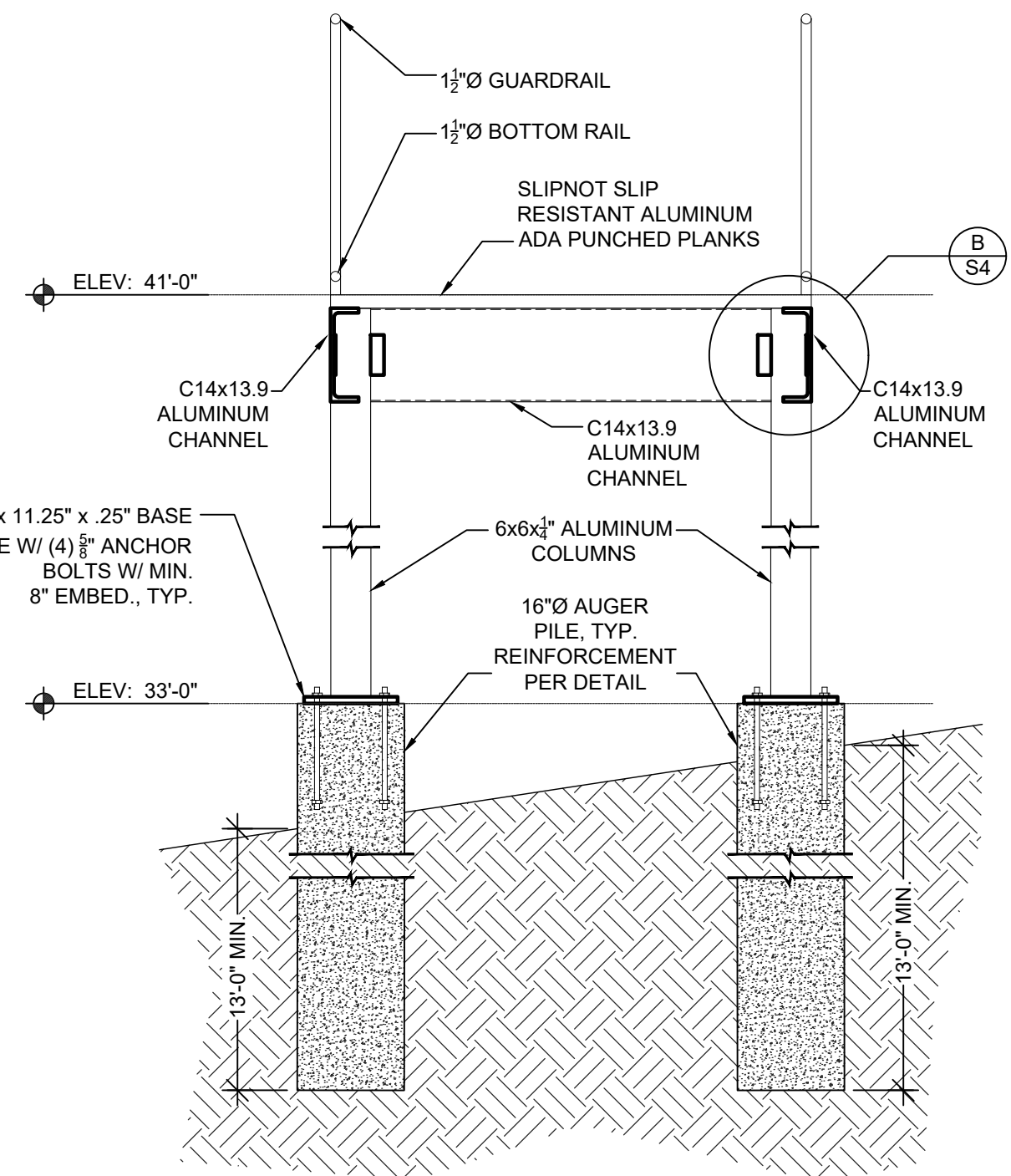
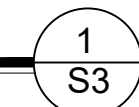
**THIRD BASE - CAMERA STAND PROPOSED FRAMING PLAN**

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



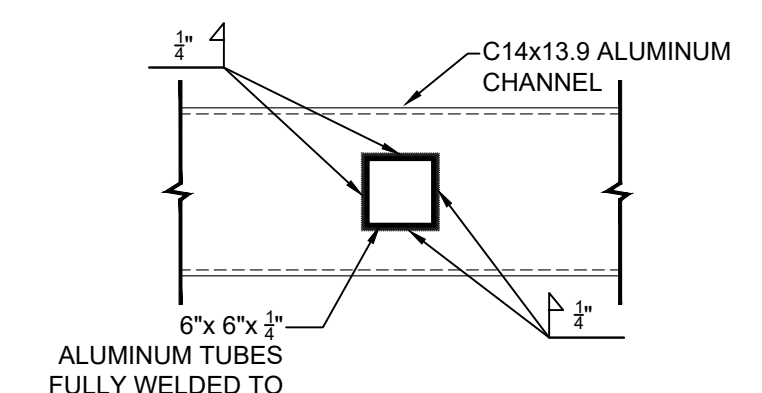
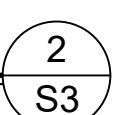
**THIRD BASE - CAMERA STAND SECTION**

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



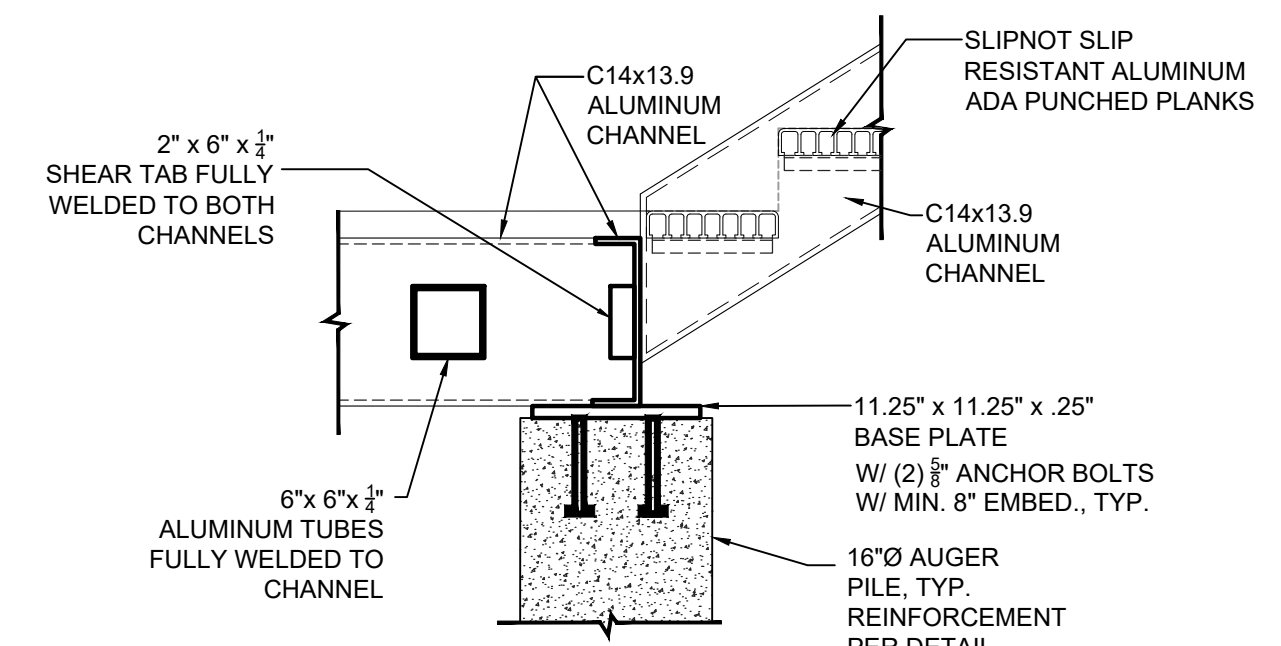
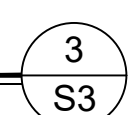
**SECTION 2**

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



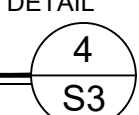
**SECTION AT PLATFORM 3**

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



**SECTION AT LANDING 4**

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



NO.	REVISIONS	DATE
1		
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DESIGN NO.	20-0133
DESIGNED	C-JW
DRAWN	AER
DATE	MAY 2020
CHECKED	RV
DATE ISSUED	08-18-2020
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) 468-9085



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

**JACKIE ROBINSON**  
 TRAINING COMPLEX  
 CAMERA STANDS  
 FLORIDA  
 VERO BEACH

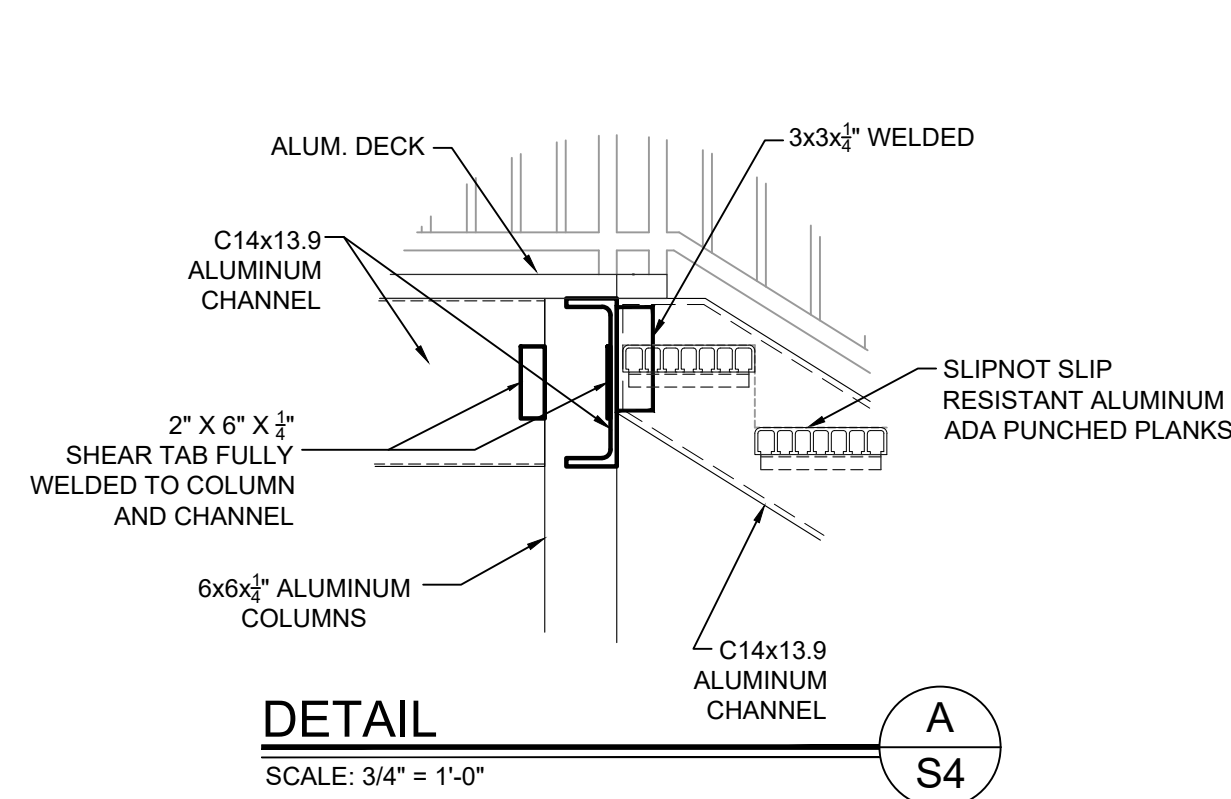
RODOLFO VILLAMIZAR  
 FL. P.E.#61000  
 DATE:

SHEET  
**S3**  
 OF 4  
 20-0133

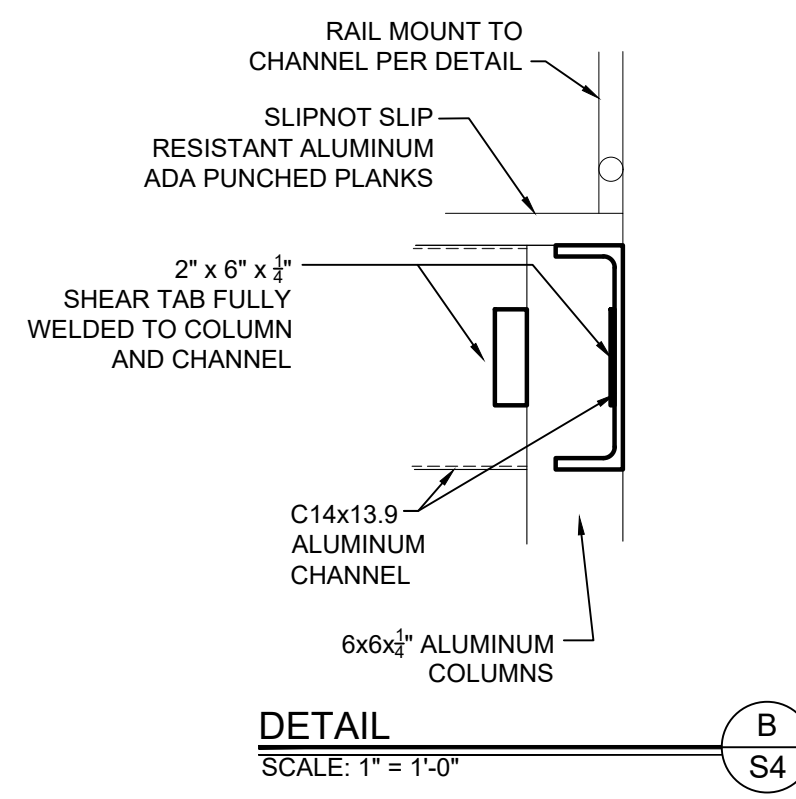
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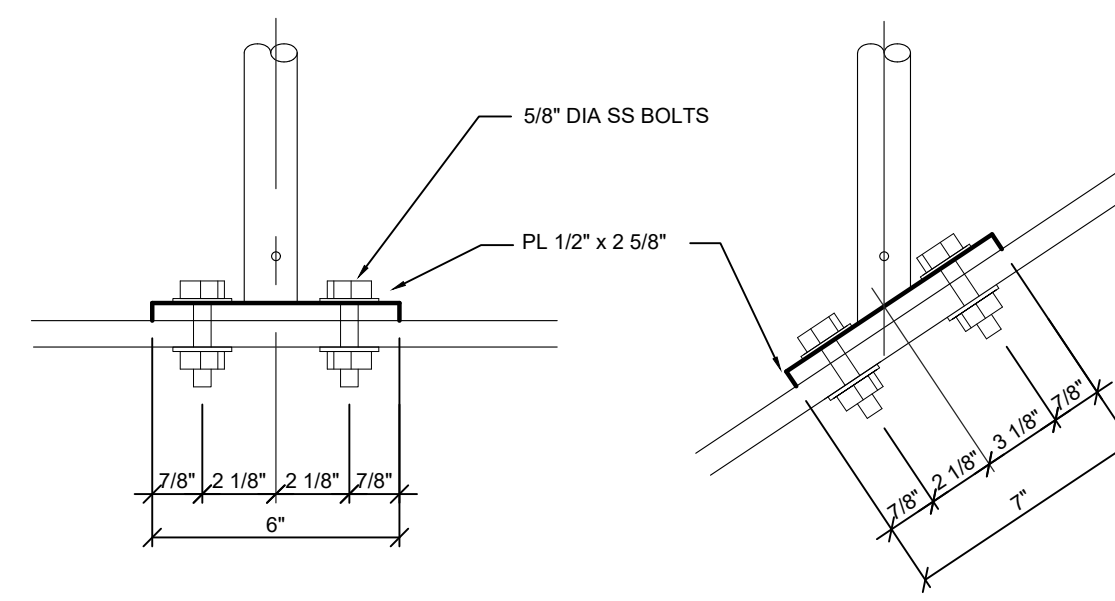
20-0133



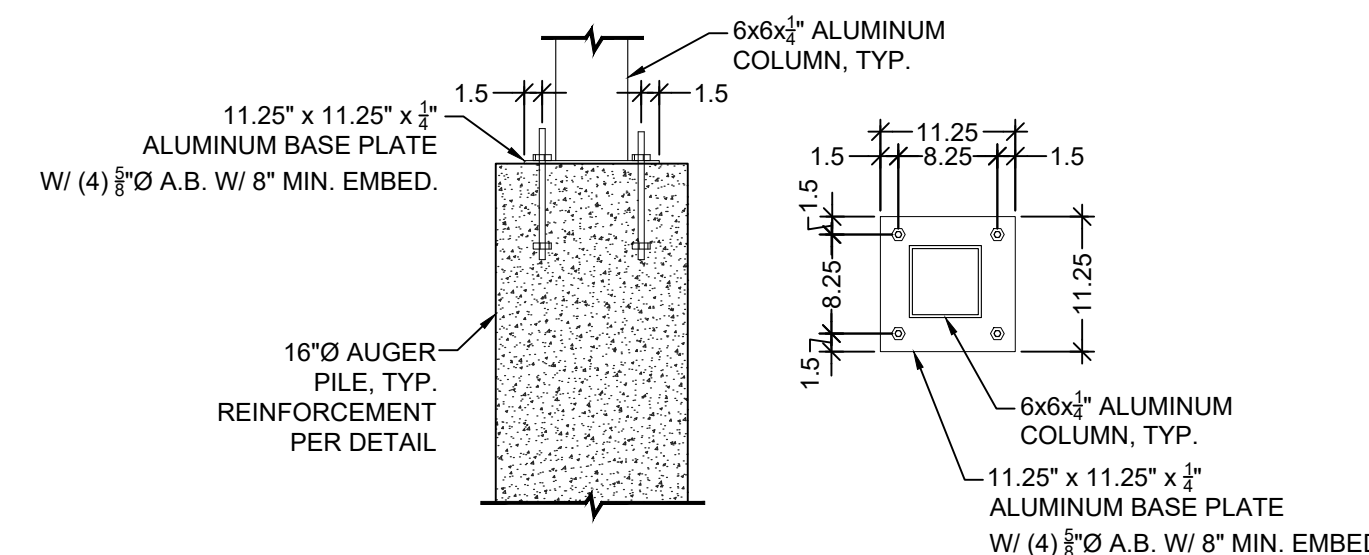
**DETAIL A**  
SCALE: 3/4" = 1'-0"



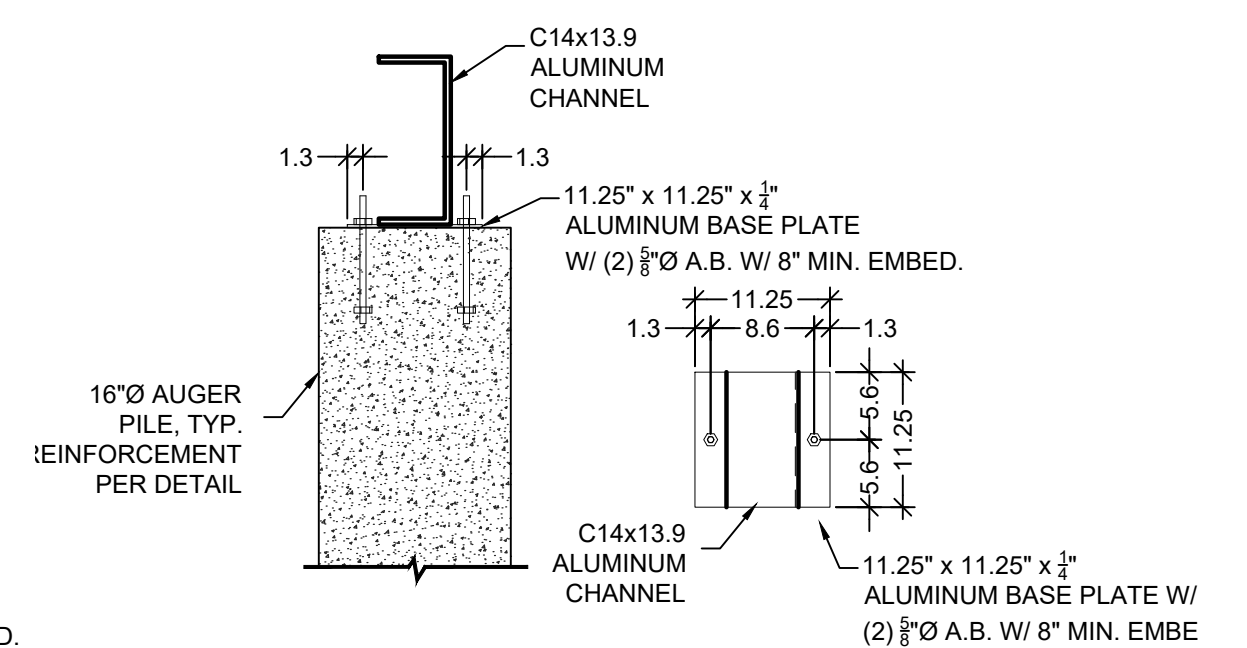
**DETAIL B**  
SCALE: 1" = 1'-0"



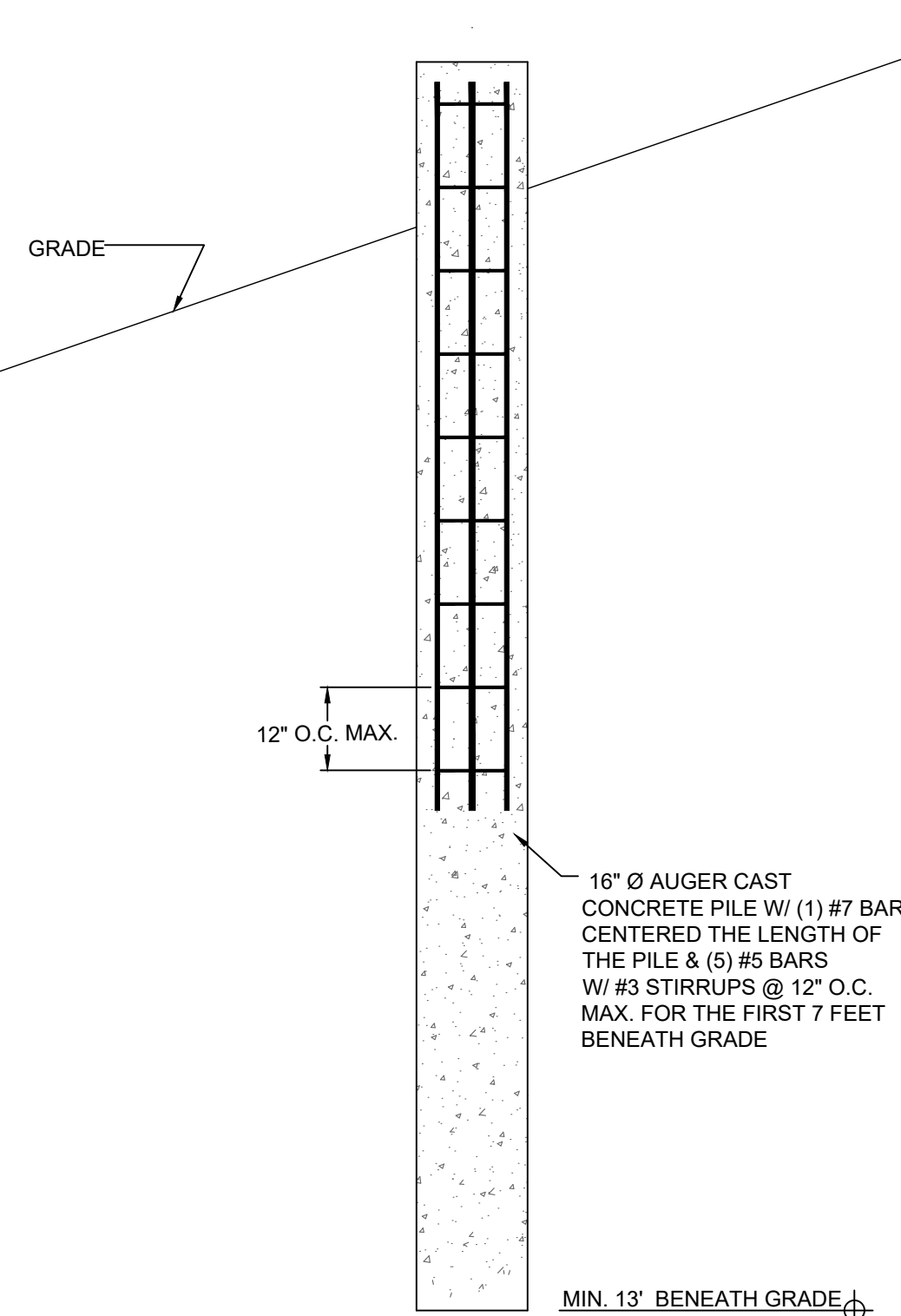
**TOP MOUNT TO METAL FRAME DETAIL**  
SCALE: 3/4" = 1'-0"



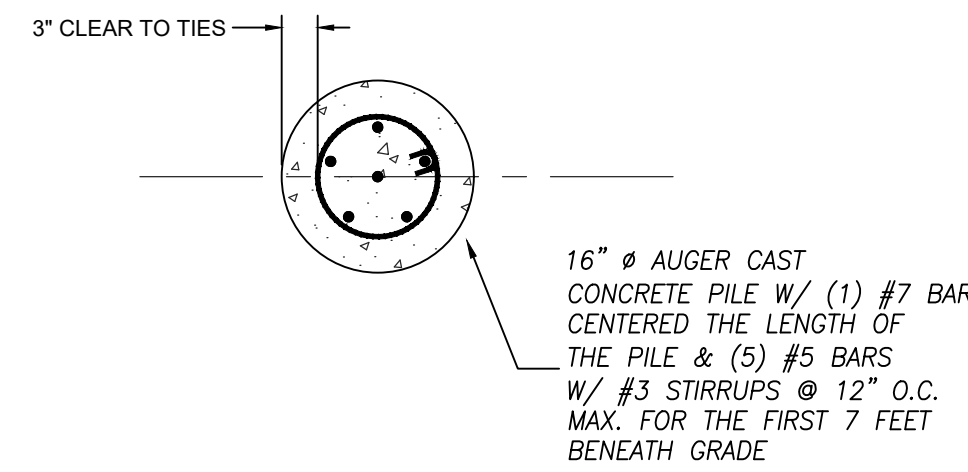
**COLUMN BASE PLATE DETAIL**  
SCALE: 3/4" = 1'-0"



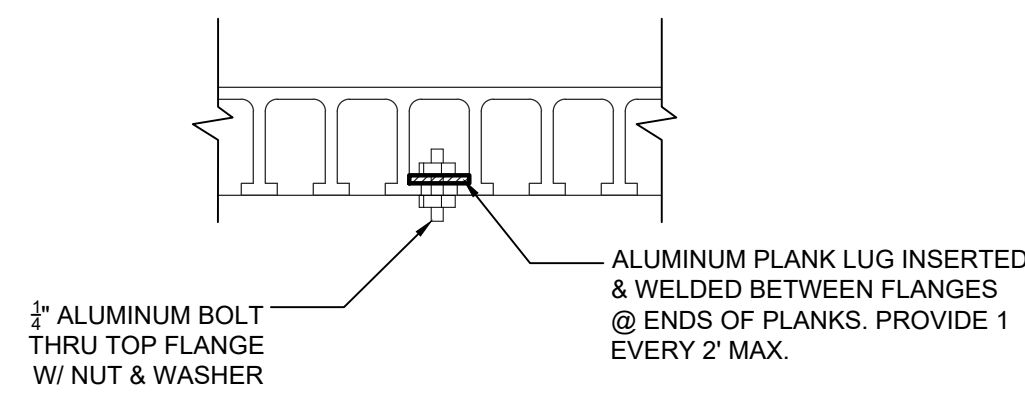
**LANDING BASE PLATE DETAIL**  
SCALE: 3/4" = 1'-0"



**CAST CONCRETE AUGER PILE DETAIL**  
SCALE: 1/2" = 1'-0"



**16\"/>**



**PLANK CONNECTION DETAIL**  
SCALE: 3" = 1'-0"

NO.	REVISIONS	DATE
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7		

DES. NO.	DESIGNED	DRAWN	DATE	CHECKED	DATE ISSUED	SCALE
20-0133	C-JW	AER	MAY 2020	RV	08-18-2020	AS NOTED

1835 - 20TH STREET  
 VERO BEACH, FL 32960  
 PH. (772) 569-0035  
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 FT. PIERCE, FL, PH (772) 468-9085

**EMBV**  
**ENGINEERING, INC.**  
 MDIA BOWLES VILLAMIZAR & ASSOCIATES  
 CONSULTING ENGINEERING CA #9728

SECTIONS AND  
 STRUCTURAL DETAILS

JACKIE ROBINSON  
 TRAINING COMPLEX  
 CAMERA STANDS  
 FLORIDA

RODOLFO VILLAMIZAR  
 FL. P.E.#61000

DATE:  
 SHEET  
**S4**  
 OF 4  
 20-0133

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