

13125 SW 63RD AVE

13125 SW 63rd Ave
Pinecrest , FL33156

DRAWING INDEX

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GENERAL NOTES:

1. THIS DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2023 (8th ED) & OTHER REFERENCES CODES & SPECIFICATION. ALL REFERENCED CODES AND SPECIFICATIONS SHALL BE LISTED ON THE FBC–2023 (8th ED) AT TIME OF PERMIT. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. UNLESS NOTED OTHERWISE (U.N.O) ON DRAWINGS OR THE SPECIFICATIONS, THESE NOTES SHALL APPLY TO THIS PROJECT.
3. IF ANY ERRORS OR MISSIONS APPEAR ON THE DRAWINGS, SPECIFICATIONS OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF SUCH OMISSIONS OR ERRORS PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR’S FAILURE TO GIVE SUCH NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.
4. THIS WORK REQUIRES A BUILDING PERMIT. CONTRACTOR TO OBTAIN THE APPROPRIATE BUILDING PERMITS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT NECESSARY TO COMPLETE ALL WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS CONSTRUCTION, AND FOR THE SEQUENCES AND PROCEDURES TO BE USED.
5. LOCATION AND SIZES OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL VERIFY ALL UTILITIES IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION OPERATION.
6. THE CONTRACTOR SHALL MAKE REQUIRED ARRANGEMENTS, SECURE AND PAY FOR ALL BARRICADES, ENCLOSURES, AND FENCING AS NEEDED FOR AND DURING THE PROGRESS TO PROTECT ADJACENT PROPERTIES. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES, OR PARTS EXPOSED OR OPEN AT THE END OF THE WORKING DAY WHEN THE CONTRACTOR IS NOT WORKING, UNLESS ANY TRENCH IS COVERED, FIRMLY SECURED AND MARKED ACCORDINGLY FOR PEDESTRIAN TRAFFIC.
7. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
8. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN PLANS, SECTIONS AND DETAILS OR THE APPLICABLE CODES OR REGULATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER DURING BIDDING OR BEFORE WORK BEGINS IN ORDER TO CLARIFY THE REQUIREMENTS AND TO EFFECT THE NECESSARY MODIFICATIONS, CHANGES AND/OR INSTRUCTIONS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTNG ALL DISTURBED CONDITIONS AND PROPER DISPOSAL OF ANY MATERIAL & GARBAGE FROM THE SITE AFTER COMPLETION OF WORK. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE EPA AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)
10. DRAWINGS AND DIMENSIONS ARE BASED UPON DRAWINGS SUPPLIED BY THE CLIENT. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ERRORS OR MISINTERPRETATIONS OF THE SYSTEM DESIGNED BY THE ENGINEER BASED ON CLIENT CONFIRMED DESIGN AND DIMENSIONS. ADDITIONAL DRAFTING TIME EMPLOYED IN THE CHANGE OF THE DESIGN AFTER SIGNING AND SEALING OF DRAWINGS WILL RESULT IN ADDITIONAL COST.
11. DO NOT SUBSTITUTE MATERIALS, EQUIPMENTS OR METHODS OF CONSTRUCTION UNLESS SUCH SUBSTITUTIONS OR CHANGES HAVE BEEN APPROVED IN WRITING BY THE OWNER.
12. THE ENGINEER HAS GENERATED THESE SHOP DRAWINGS BASED ON A PROVIDED DESIGN THAT HAS BEEN DEVELOPED BY A LICENSED ARCHITECT OR A COMPETENT LICENSED DESIGN PROFESSIONAL WHO CONFIRMED COMPLIANCE WITH ALL APPLICABLE NATIONAL AND FLORIDA BUILDING CODES.
13. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH ”STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE” (ACI 318) AND WITH ” DETAILS AND DETAILING OF CONCRETE REINFORCEMENT” (ACI 315). ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
14. ANCHORING CEMENT WITH A COMPRESSION STRENGTH OF 10 KSI AT THE END OF 7 DAYS.
15. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.
16. DO NOT SCALE DRAWINGS, DIMENSIONS ALWAYS GOVERN.
17. DETAILS LABELED ”TYPICAL (TYP.)” SHALL APPLY TO ALL SITUATIONS THAT ARE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. TYPICAL DETAILS SHALL APPLY WETHER OR NOT THEY ARE SPECIFICALLY KEYED AT EACH LOCATION. THE ENGINEER SHALL HAVE FINAL AUTHORITY TO DETERMINE APPLICABILITY OF TYPICAL DETAILS.

18. THE QUANTITIES AND DIMENSION SHOWN ON DRAWINGS ARE BASED ON THE ARCHITECTURAL DRAWINGS. ALL DIMENSION TO BE SITE VERIFIED BY GENERAL CONTRACTOR/ SUBCONTRACTOR.
19. ELEMENTS WILL BE AS DESIGNED BY THE ENGINEER AND AS APPROVED BY ARCHITECT AND/OR OWNERS, TO CONFORM GENERALLY WITH THE ARCHITECTURAL DRAWING AND SPECIFICATIONS.
20. FLORIDA BUILDING CODE, 2023 (8th ED) EDITION LOADS:
RAILING: P= CONCENTRATED LOAD OF 200 lbs (0.90 kN) IN ANY DIRECTION AT ANY PLACE OF TOP MEMBER.
W= DISTRIBUTED LOAD OF 50 PLF (0.73 kN/m) AT TOP MEMBER
THIS LOAD MUST BE TRANSFERRED THROUGH THE SUPPORT TO THE STRUCTURE.
WIND VELOCITY AS PER FBC–2023 (8th EDITION) CATEGORY 2; V=175 MPH; EXPOSURE: ”D”.
21. THE EXISTING STRUCTURE MUST SUPPORT THE LOADS IMPOSED BY THE SYSTEM OR SYSTEMS. ENGINEER ON RECORD OF THE BUILDING SHALL VERIFY THE STRUCTURE FOR SUCH LOADINGS.
22. THE ENGINEER HAS EXCLUSIVELY DESIGNED THE STRUCTURE AND/OR BUILDING COMPONENTS IN COMPLIANCE WITH FBC–2023 (8th ED) AND DESIGN STANDARDS FOR STRUCTURAL REQUIREMENTS ONLY. THE EXISTING STRUCTURE MUST SUPPORT THE LOADS IMPOSED BY THE SYSTEM OR SYSTEMS. ENGINEER ON RECORD OF THE BUILDING SHALL VERIFY THE STRUCTURE FOR SUCH LOADINGS.
23. ENGINEER’S VISITS TO THE SITE DURING CONSTRUCTION SHALL BE SCHEDULED WITHIN 48 HOURS PRIOR TO INSPECTION.
24. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE ENGINEER IS PROHIBITED..

GLASS

1. ALL GLASS IN THIS PROJECT WILL BE SAFETY GLASS ACCORDING TO FBC–2023 (8th ED) RESIDENTIAL.
2. LAMINATED GLASS 9/16” NOMINAL. COMPOSED OF (2) 1/4” FULLY TEMPERED GLASS WITH 1/16 IONOPLAST STRUCTURAL INTERLAYER FILM.
3. FULLY TEMPERED GLASS AND LAMINATED GLASS SHALL COMPLY WITH CATEGORY II OF CPSC 16 CFR 1201 OR MUST PASS ANSI Z97.1, LAB TEST.
4. PROVIDE END CAPS TO ALL TOP RAILS.
5. RAILING SHALL BE INSTALLED ACCORDING TO MANUFACTURE’S GUIDELINES.

STRUCTURAL STEEL

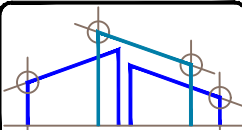
1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FBC–2023 (8th ED), AISC SPECIFICATIONS (15th ED), AND ALL WELDING SHALL BE IN ACCORDANCE WITH LATEST AWS CODE.
2. STRUCTURAL STEEL SHALL MEET THE FOLLOWING REQUIREMENTS U.N.O ON THE DRAWINGS:

TYPE	ASTM	GRADE
ALL STANDARD STEEL SHAPES	A36	----
W & WT SHAPES	A992	----
STRUCTURAL TUBING RECTANGULAR HSS	A500	B
STEEL PIPES	A53	B
MACHINE BOLTS	A307	----
HIGH STRENGTH BOLTS	A325–N	----
ANCHOR RODS	F1554	55 TYPE S1 (U.N.O)
WELDING ELECTRODES	AWS D1.1	E70 SERIES
3. ENGINEER SHALL BE CONTACTED FOR APPROVAL OF ANY FIELD MODIFICATIONS.
4. ALL WELD OPERATORS SHALL BE CURRENTLY AWS QUALIFIED.
5. WELDING SHALL BE TOUCHED UP WITH ZINC BASE RUST INHIBITING PAINT AFTER WELDING HAS TAKEN PLACE. NO FIELD WELDING OF HOT DIPPED GALVANIZED MEMBERS WILL BE ALLOWED.
6. ALL CONNECTIONS TO BE WELDED USE SHALL BE 3/16” FILLET WELD MINIMUM U.N.O.
7. PAINT STEEL HOT GALVANIZED SURFACES IN CONTACT WITH CONCRETE WITH ALKALI–RESISTANCE COATINGS, SUCH AS HEAVY–BODIED BITUMINOUS PAINT OR WEATHER–WHITE METHACRYLATE LACQUER. STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINED WITH 850–Y–01 FAST DRY ZINC PHOSPHATE.
8. STEEL SYSTEMS USED IN EXTERIOR APPLICATIONS AND/OR EXPOSED TO ADVERSE CONDITIONS MUST BE PROPERLY AND REGULARLY MAINTAINED TO MINIMIZE CORROSION WHICH CAN RESULT IN EVENTUAL STRUCTURAL FAILURE.

ALUMINUM

1. STRUCTURAL ALUMINUM SHALL BE DOMESTIC ALLOY 6061–T6, DESIGNED IN ACCORDANCE WITH ADM1–2020 ”ALUMINUM DESIGN MANUAL Part 1–SPECIFICATIONS FOR ALUMINUM STRUCTURES”.

ALLOY	Fb	Fb(WELDED)	Fv	Fv(WELDED)
6060–T6 (TUBES & SHAPES)	19.0 KSI	9.10 KSI	12.0 KSI	5.0 KSI
6060–T6 (ROUND & OVAL)	21.0 KSI	9.10 KSI	12.0 KSI	5.0 KSI
2. FASTENER, UNLESS DETAILED OTHERWISE, ALL FASTENERS SHALL BE 316 STAINLESS STEEL. ALUMINUM BOLTS, WHERE SPECIFIED, SHALL BE 2024–T4 OR 6061–T6 ALLOY.
3. ALL WELDING SHALL CONFORM WITH AWS D1.2, LATEST STRUCTURAL WELDING CODE–ALUMINUM. WELD FILLER ALLOY 5356. CLEANING: SSPC–SP2 ”HAND TOOL CLEANING”.
4. WHERE THE CONTACT OF DISSIMILAR MATERIAL MAY CAUSE ELECTROLYSIS OR WHERE ALUMINUM WILL COME IN CONTACT WITH CONCRETE, MORTAR OR PLASTER, THE CONTACT SURFACE OF ALUMINUM SHALL BE COATED 1 COAT OF ZINC CROMATED PRIMER AND ONE HEAVY COAT OF ALUMINUM PIGMENTED ASPHALT PAINT OR ALKALI–RESISTANT COATINGS, SUCH AS HEAVY–BODIED BITUMINOUS PAINT OR WATER–WHITE METHACRYLATE LACQUER.
5. RAILINGS MAY BE WASHED AS NEEDED WITH WATER AND MILD SOAP. DO NOT USE ACIDIC SOLUTIONS, HARSH SOLUTIONS OR ABRASIVE CLEANING MATERIALS OR SOLUTIONS AS THEY COULD HARM THE FINISH.



3A ENGINEERING GROUP
DESIGNING THE FUTURE

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ALAYM AGUILAR, PE
Lic. No–92154

Alaym Aguilar, Professional Engineer,
State of Florida, License No. 92154.
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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Cover Page and General Notes
PROJECT LOCATION:	13125 SW 63rd Ave, Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05–19–2026	01	

MISC. SHOP DRAWING

DRAWN: M.R

CHECKED: A.A.

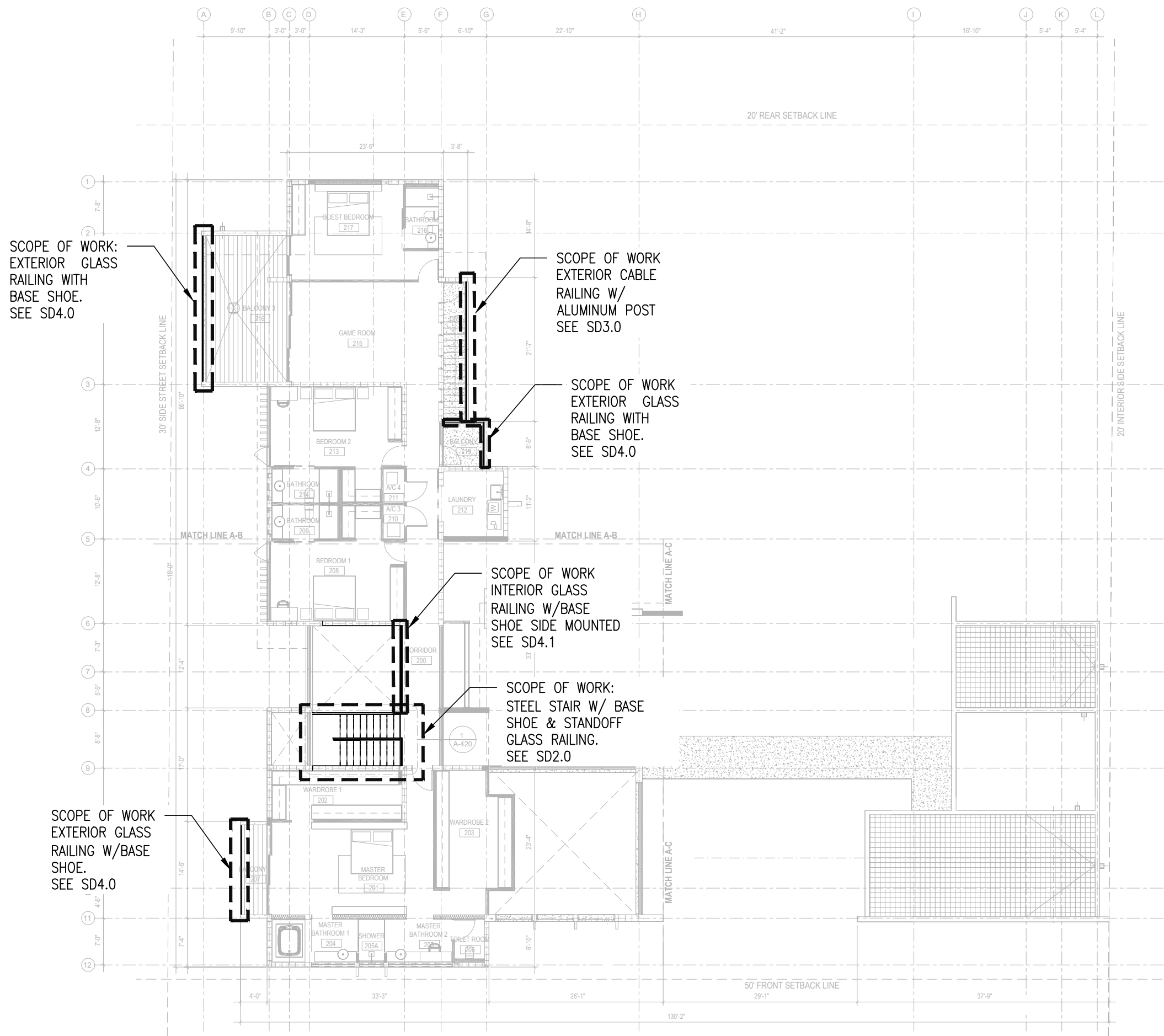
SCALE: AS SHOWN

JOB NO: 25–055

DATE:02/09/2026

SHEET No.:

SD0.0



SCOPE OF WORK:
EXTERIOR GLASS
RAILING WITH
BASE SHOE.
SEE SD4.0

SCOPE OF WORK
EXTERIOR CABLE
RAILING W/
ALUMINUM POST
SEE SD3.0

SCOPE OF WORK
EXTERIOR GLASS
RAILING WITH
BASE SHOE.
SEE SD4.0

SCOPE OF WORK
INTERIOR GLASS
RAILING W/BASE
SHOE SIDE MOUNTED
SEE SD4.1

SCOPE OF WORK:
STEEL STAIR W/ BASE
SHOE & STANDOFF
GLASS RAILING.
SEE SD2.0

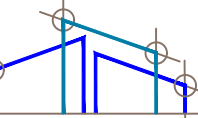
SCOPE OF WORK
EXTERIOR GLASS
RAILING W/BASE
SHOE.
SEE SD4.0

A
SD1.0

SCOPE OF WORK: 2ND FLOOR PLAN

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




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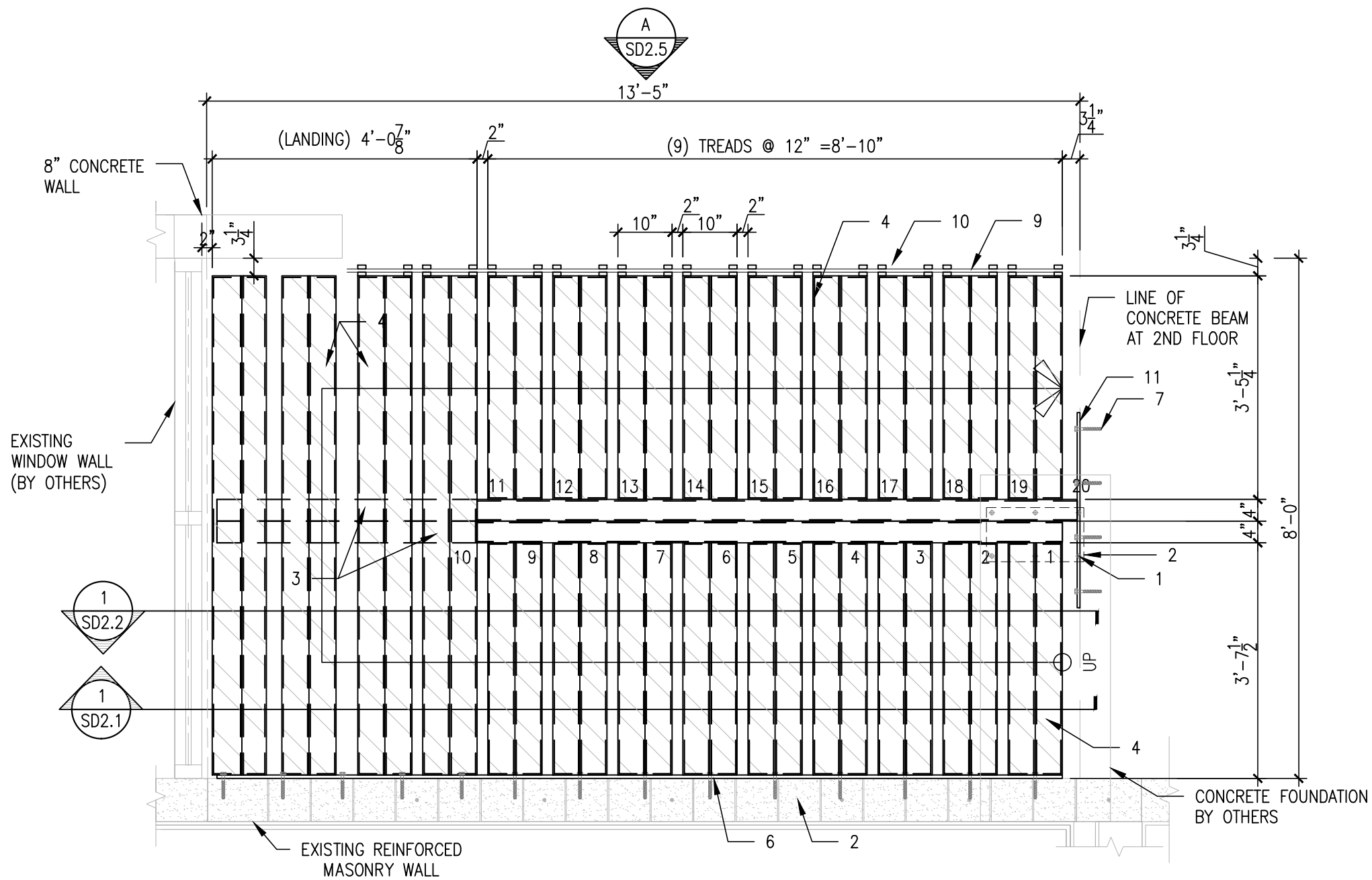
PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Scope of work: 2nd floor
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

SHEET No.:

SD1.0



- LEGEND:**
1. STEEL PL 18"x10"x $\frac{3}{4}$ " ASTM A36.
 2. $\frac{1}{2}$ "x5" KWIK HUS-EZ BY HILTI W./ 4" MIN EMBED. &6" MIN EDGE DIST.
 3. RIGTH SIDE STRINGERS HSS10"x4"x $\frac{3}{8}$ " ASTM A500 Gr. B.
 4. STEEL TREADS (2) HSS5X2X $\frac{1}{4}$ ASTM A500 GR. B (TYP)
 5. 1" CLADDING ON ALL EXPOSED SIDES (BY OTHER)
 6. CONTINUOUS STEEL PL 10"x $\frac{1}{2}$ " WELDED TO TREAD ASTM A36 (TYP.)
 7. $\frac{3}{4}$ "x5 $\frac{1}{2}$ " KWIK HUS-EZ BY HILTI W./ $\frac{3}{4}$ " MIN EMBED. &6" MIN EDGE DIST.
 8. CONTINUOUS WOOD HANDRAIL 1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ".
 9. $\frac{9}{16}$ " LAMINATED TEMPERED GLASS PANEL. SEE NOTES FOR SPECS
 10. SS31600 ϕ 1 $\frac{1}{2}$ "x1 $\frac{1}{4}$ " STANDOFF (3) PAIRS PER GLASS PANEL MIN.
 11. STEEL PL 36"x18"x $\frac{1}{2}$ " ASTM A36.
 12. $\frac{1}{2}$ " THRU BOLT WITH WASHER AND NUT @ 8" SPACING O.C. MAX (TYP)
 13. SQUARE ALUM. BASE SHOE: CRL B5L AA6060-T6.
 14. TAPER LOCK SYSTEM.
 15. CENTERING BLOCK CRL-LT1SB.

- NOTES:**
1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
 3. FINISH COLOR BY OWNER/CONTRACTOR.

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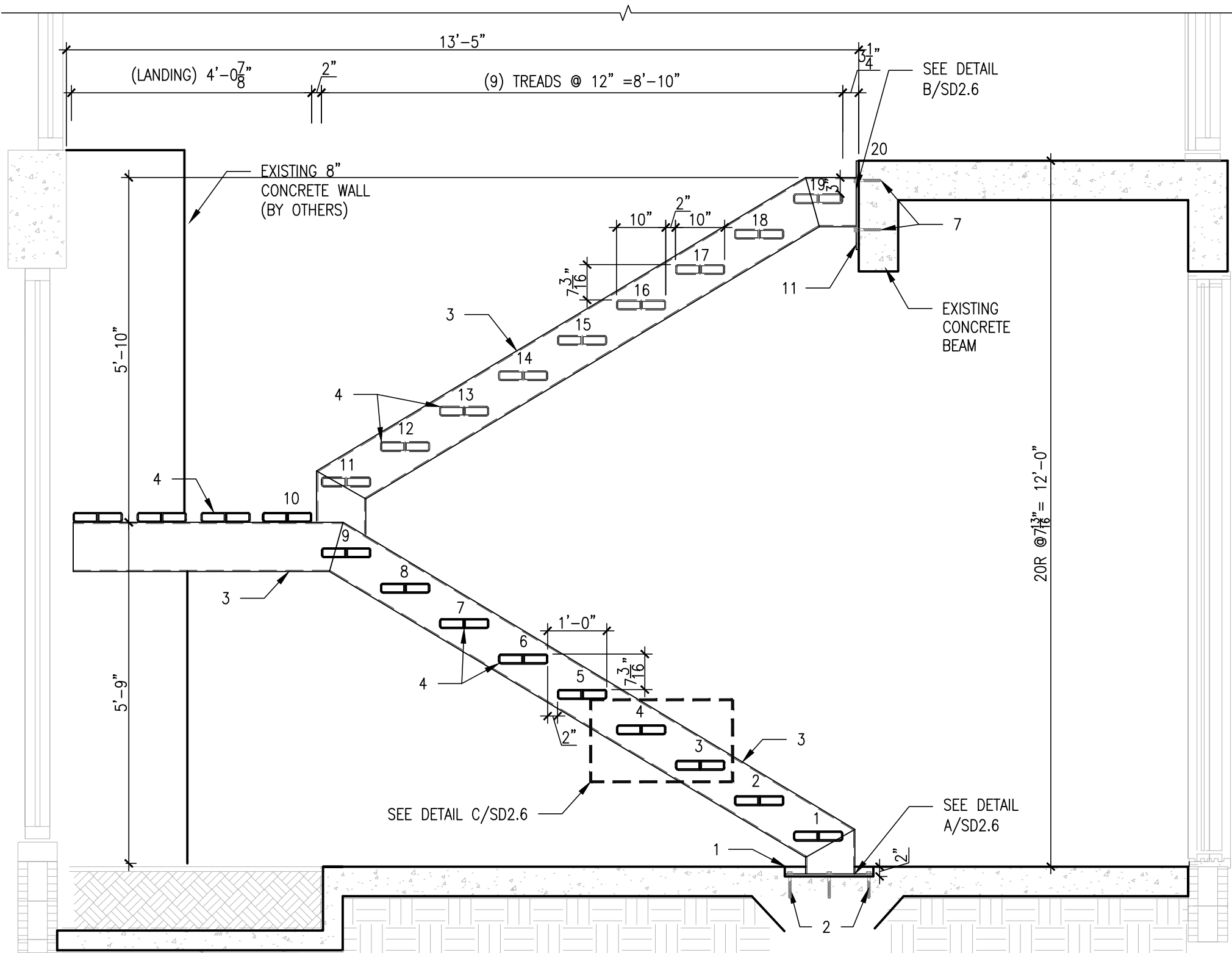
PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Stair Framing Layout
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

SHEET No.:
SD2.0

STAIR FRAMING LAYOUT (2ND FLOOR)
SCALE: 1/2"=1'-0"
A SD2.0



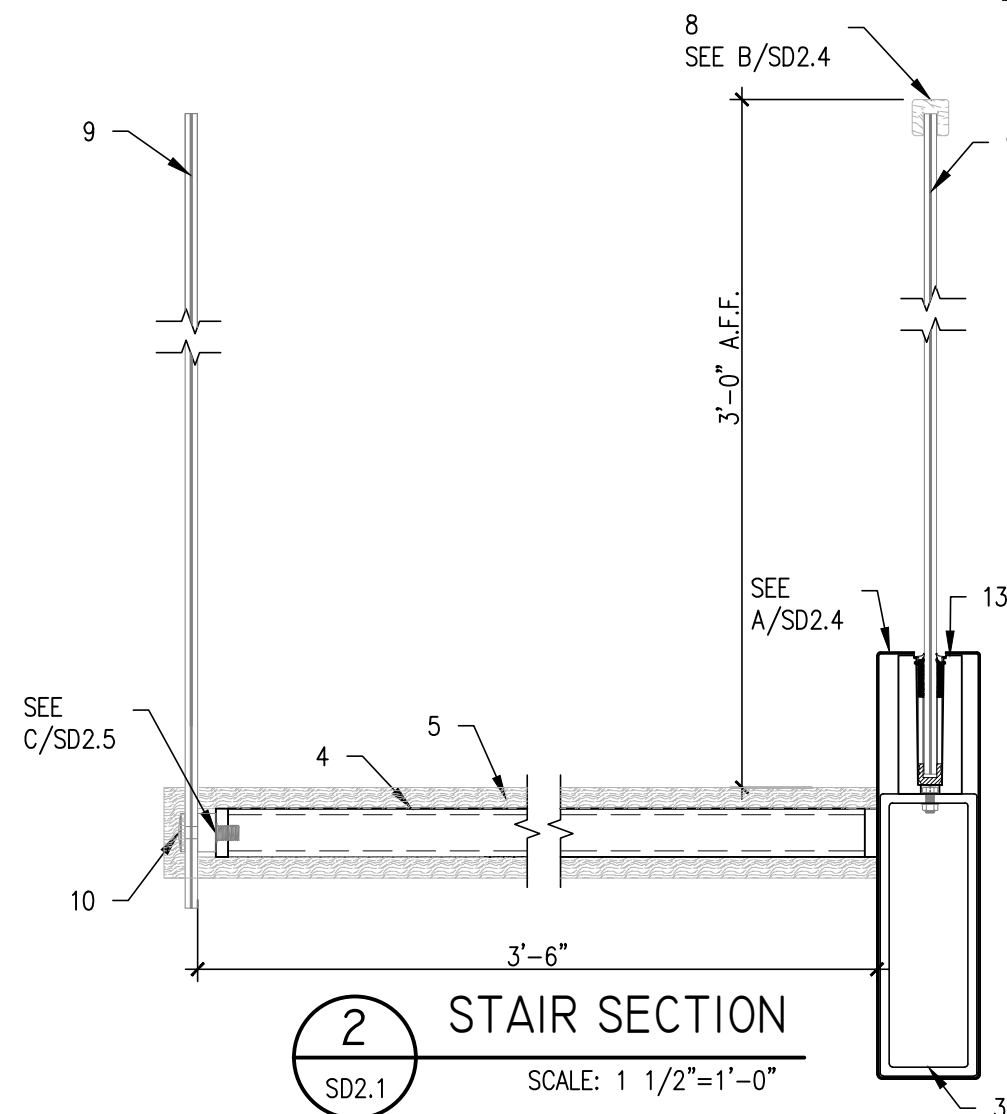
1 STAIR FRAMING SECTION
SD2.1 SCALE: 1/2"=1'-0"

LEGEND:

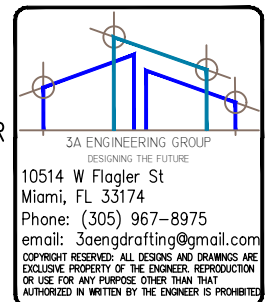
1. STEEL PL 18"x10"x $\frac{3}{4}$ " ASTM A36.
2. $\phi\frac{1}{2}$ "x5" KWIK HUS-EZ BY HILTI W./ 4" MIN EMBED. &6" MIN EDGE DIST.
3. RIGTH SIDE STRINGERS HSS10"x4"x $\frac{3}{8}$ " ASTM A500 Gr. B.
4. STEEL TREADS (2) HSS5X2X $\frac{1}{4}$ " ASTM A500 GR. B (TYP)
5. 1" CLADDING ON ALL EXPOSED SIDES (BY OTHER)
6. CONTINUOUS STEEL PL 10"x $\frac{1}{2}$ " WELDED TO TREAD ASTM A36 (TYP.)
7. $\phi\frac{3}{4}$ "x5 $\frac{1}{2}$ " KWIK HUS-EZ BY HILTI W./ 3 $\frac{3}{4}$ " MIN EMBED. &6" MIN EDGE DIST.
8. CONTINUOUS WOOD HANDRAIL 1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ".
9. $\frac{9}{16}$ " LAMINATED TEMPERED GLASS PANEL. SEE NOTES FOR SPECS
10. SS31600 $\phi\frac{1}{2}$ "x1 $\frac{1}{4}$ " STANDOFF (3) PAIRS PER GLASS PANEL MIN.
11. STEEL PL 36"x18"x $\frac{1}{2}$ " ASTM A36.
12. $\phi\frac{1}{2}$ " THRU BOLT WITH WASHER AND NUT @ 8" SPACING O.C. MAX (TYP)
13. SQUARE ALUM. BASE SHOE: CRL B5L AA6060-T6.
14. TAPER LOCK SYSTEM.
15. CENTERING BLOCK CRL-LT1SB.

NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.



2 STAIR SECTION
SD2.1 SCALE: 1 1/2"=1'-0"



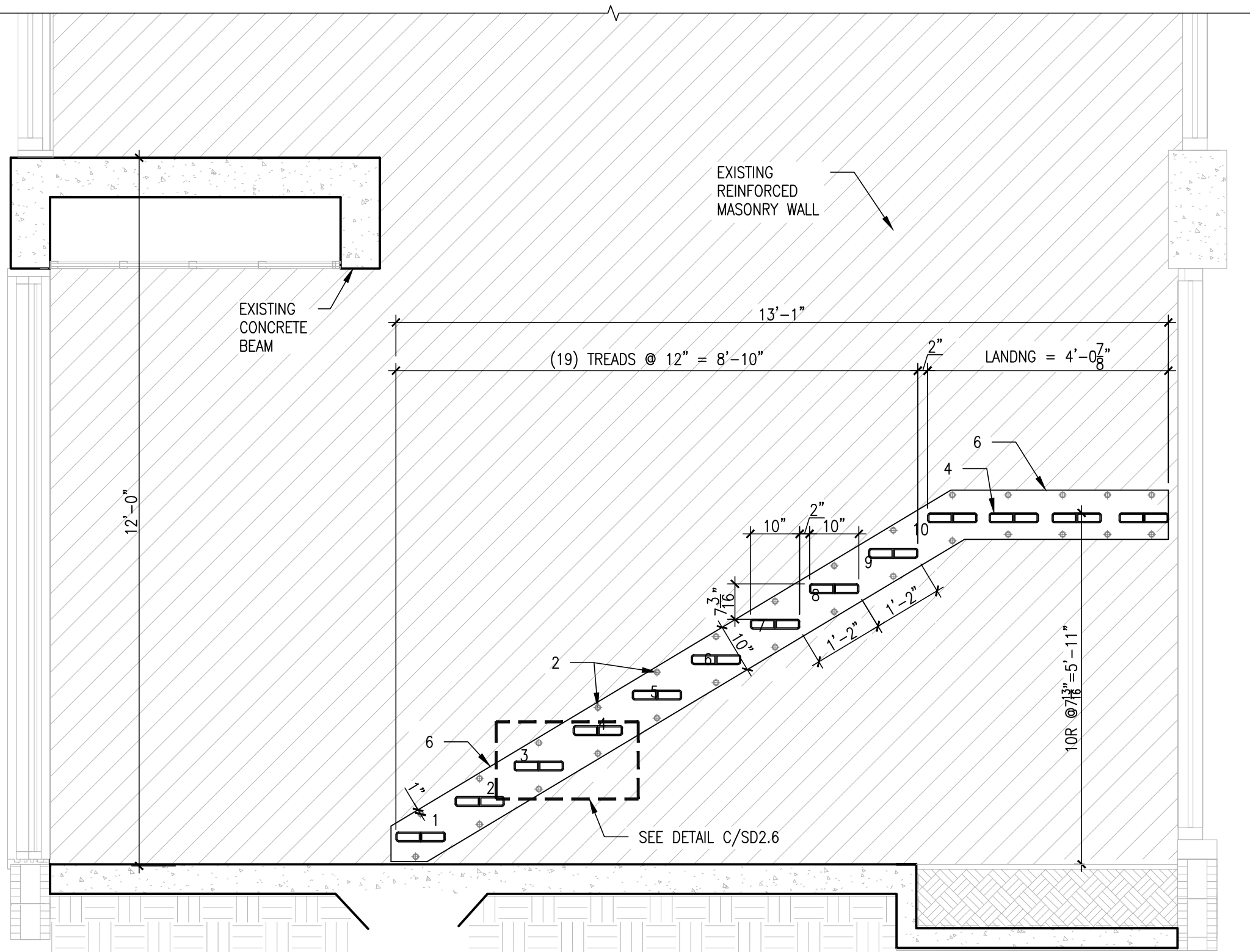
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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Stair Framing Sections
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

MISC. SHOP DRAWING
DRAWN: M.R.
CHECKED: A.A.
SCALE: AS SHOWN
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DATE: 02/09/2026

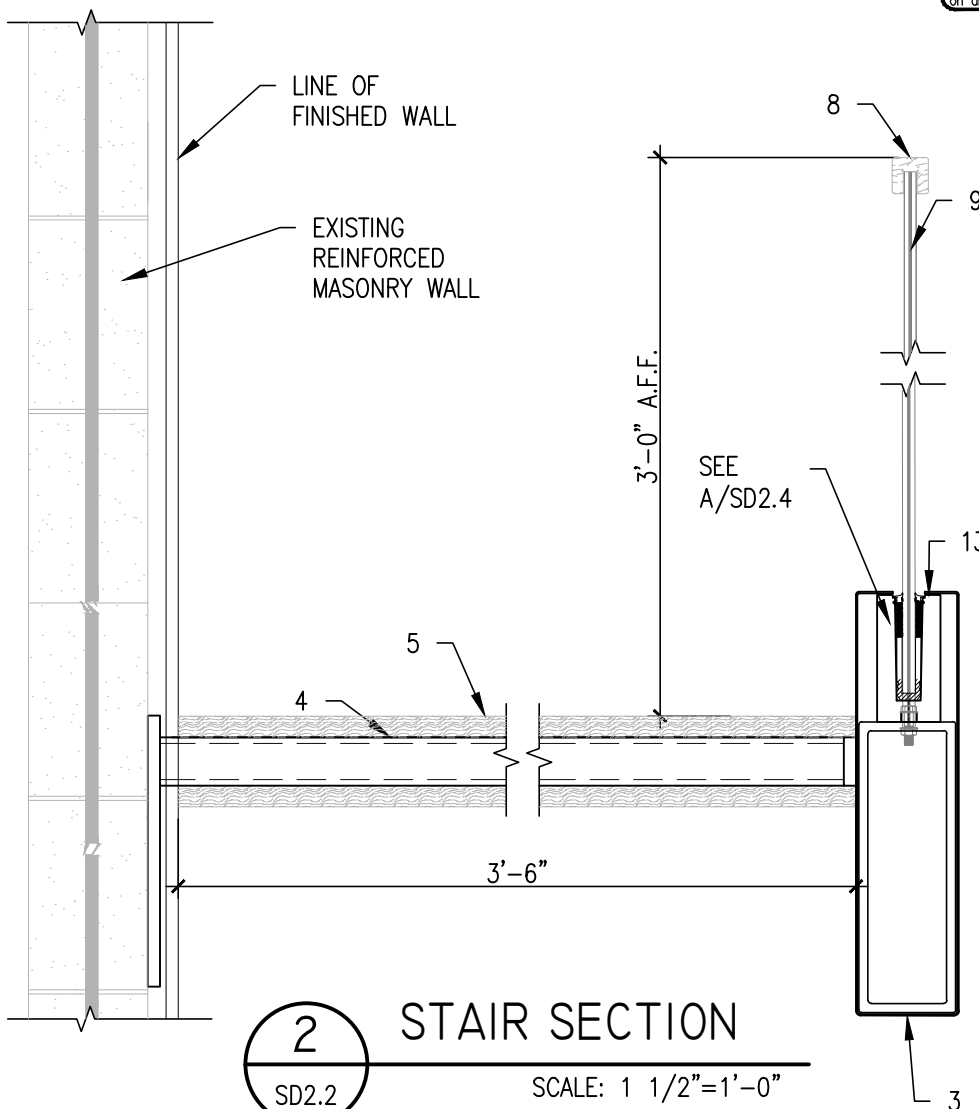
SHEET No.:
SD2.1



1 STAIR FRAMING SECTION
SD2.2 SCALE: 1/2"=1'-0"

- LEGEND:**
1. STEEL PL 18"x10"x $\frac{3}{4}$ " ASTM A36.
 2. $\phi\frac{1}{2}$ "x5" KWIK HUS-EZ BY HILTI W./ 4" MIN EMBED. &6" MIN EDGE DIST.
 3. RIGTH SIDE STRINGERS HSS10"x4"x $\frac{3}{8}$ " ASTM A500 Gr. B.
 4. STEEL TREADS (2) HSS5X2X $\frac{1}{4}$ " ASTM A500 GR. B (TYP)
 5. 1" CLADDING ON ALL EXPOSED SIDES (BY OTHER)
 6. CONTINUOUS STEEL PL 10"x $\frac{1}{2}$ " WELDED TO TREAD ASTM A36 (TYP.)
 7. $\phi\frac{3}{4}$ "x5 $\frac{1}{2}$ " KWIK HUS-EZ BY HILTI W./ $\frac{3}{4}$ " MIN EMBED. &6" MIN EDGE DIST.
 8. CONTINUOUS WOOD HANDRAIL 1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ".
 9. $\frac{9}{16}$ " LAMINATED TEMPERED GLASS PANEL. SEE NOTES FOR SPECS
 10. SS31600 $\phi\frac{1}{2}$ "x1 $\frac{1}{4}$ " STANDOFF (3) PAIRS PER GLASS PANEL MIN.
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 14. TAPER LOCK SYSTEM.
 15. CENTERING BLOCK CRL-LT1SB.

- NOTES:**
1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
 3. FINISH COLOR BY OWNER/CONTRACTOR.



2 STAIR SECTION
SD2.2 SCALE: 1 1/2"=1'-0"

3A ENGINEERING GROUP
DESIGNING THE FUTURE

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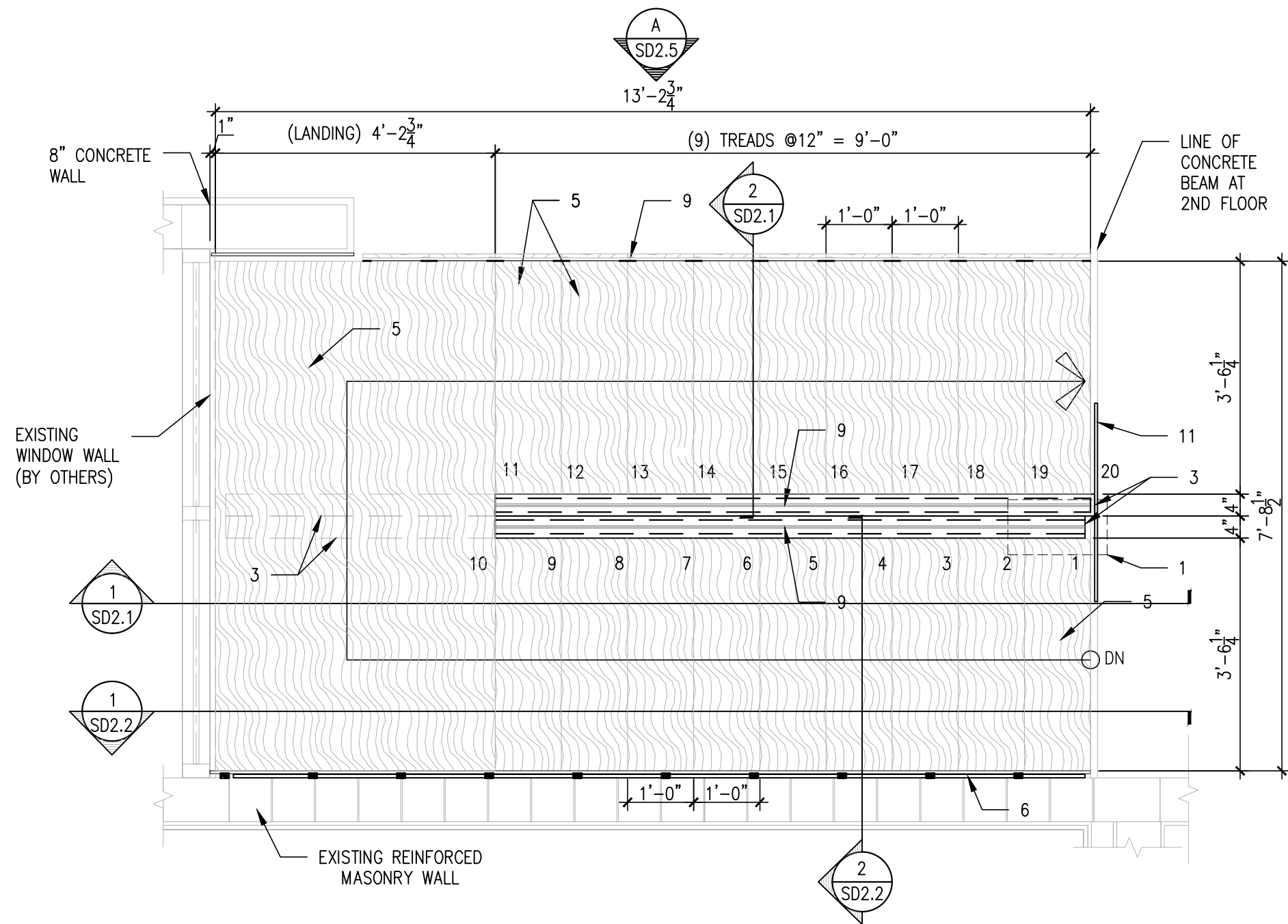
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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Stair Framing Sections
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

SHEET No.:
SD2.2



STAIR PLAN VIEW (2ND FLOOR)

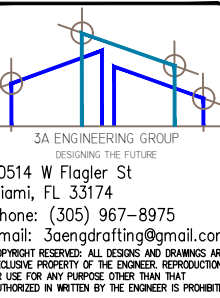
SCALE: 1/2"=1'-0"

- LEGEND:

1. STEEL PL 18"x10"x $\frac{3}{4}$ " ASTM A36.
2. $\phi\frac{1}{2}$ "x5" KWIK HUS-EZ BY HILTI W./ 4" MIN EMBED. &6" MIN EDGE DIST.
3. RIGTH SIDE STRINGERS HSS10"x4"x $\frac{3}{8}$ " ASTM A500 Gr. B.
4. STEEL TREADS (2) HSS5X2X $\frac{1}{4}$ " ASTM A500 GR. B (TYP)
5. 1" CLADDING ON ALL EXPOSED SIDES (BY OTHER)
6. CONTINUOUS STEEL PL 10"x $\frac{1}{2}$ " WELDED TO TREAD ASTM A36 (TYP.)
7. $\phi\frac{3}{4}$ "x5 $\frac{1}{2}$ " KWIK HUS-EZ BY HILTI W./ 3 $\frac{3}{4}$ " MIN EMBED. &6" MIN EDGE DIST.
8. CONTINUOUS WOOD HANDRAIL 1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ".
9. $\frac{9}{16}$ " LAMINATED TEMPERED GLASS PANEL. SEE NOTES FOR SPECS
10. SS31600 $\phi1\frac{1}{2}$ "x1 $\frac{1}{4}$ " STANDOFF (3) PAIRS PER GLASS PANEL MIN.
11. STEEL PL 36"x18"x $\frac{1}{2}$ " ASTM A36.
12. $\phi\frac{1}{2}$ "THRU BOLT WITH WASHER AND NUT @ 8" SPACING O.C. MAX (TYP)
13. SQUARE ALUM. BASE SHOE: CRL B5L AA6060-T6.
14. TAPER LOCK SYSTEM.
15. CENTERING BLOCK CRL-LT1SB.

NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.



ALAYM AGUILAR, PE
Lic. No-92154

Alaym Aguilar, Professional Engineer,
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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Stair Plan View (2nd Floor)
PROJECT LOCATION:	13125 SW 63rd Ave, Pinecrest, FL 33156.
CLIENT NAME:	David Viera LLC

REVISIONS DATE	
5-19-2026	01

IISC. SHOP DRAWING
 DRAWN: M.R
 CHECKED: A.A.
 SCALE: AS SHOWN
 JOB NO: 25-055
 DATE: 02/09/2026

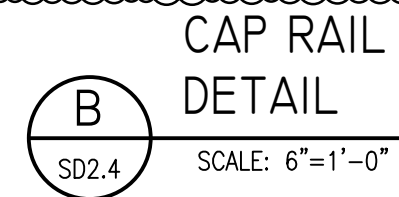
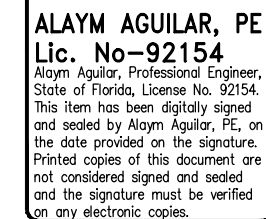
SHEET No.:

SD2.3

10. SS31600 $\phi 1\frac{1}{2}$ "X1 $\frac{1}{4}$ " STANDOFF (3) PAIRS PER GLASS PANEL MIN.
11. STEEL PL 36"X18"X $\frac{1}{2}$ " ASTM A36.
12. $\phi \frac{1}{2}$ " THRU BOLT WITH WASHER AND NUT @ 8" SPACING O.C. MAX (TYP)
13. SQUARE ALUM. BASE SHOE: CRL B5L AA6060-T6.
14. TAPER LOCK SYSTEM.

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.

1. STEEL PL $18" \times 10" \times \frac{3}{4}"$ ASTM A36.
2. $\phi \frac{1}{2}" \times 5"$ KWIK HUS-EZ BY HILTI W./ 4" MIN EMBED. & 6" MIN EDGE DIST.
3. RIGTH SIDE STRINGERS HSS $10" \times 4" \times \frac{3}{8}"$ ASTM A500 Gr. B.
4. STEEL TREADS (2) HSS $5 \times 2 \times \frac{1}{4}"$ ASTM A500 GR. B (TYP)
5. 1" CLADDING ON ALL EXPOSED SIDES (BY OTHER)
6. CONTINUOUS STEEL PL $10" \times \frac{1}{2}"$ WELDED TO TREAD ASTM A36 (TYP.)
7. $\phi \frac{3}{4}" \times 5 \frac{1}{2}"$ KWIK HUS-EZ BY HILTI W./ $3 \frac{3}{4}"$ MIN EMBED. & 6" MIN EDGE DIST.
8. CONTINUOUS WOOD HANDRAIL $1 \frac{1}{2}" \times 1 \frac{1}{2}"$.
9. $\frac{9}{16}"$ LAMINATED TEMPERED GLASS PANEL. SEE NOTES FOR SPECS

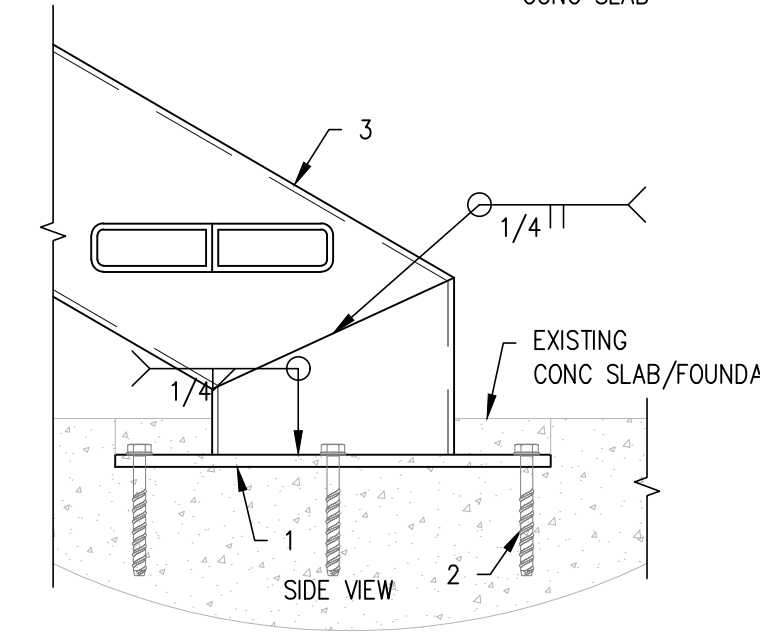
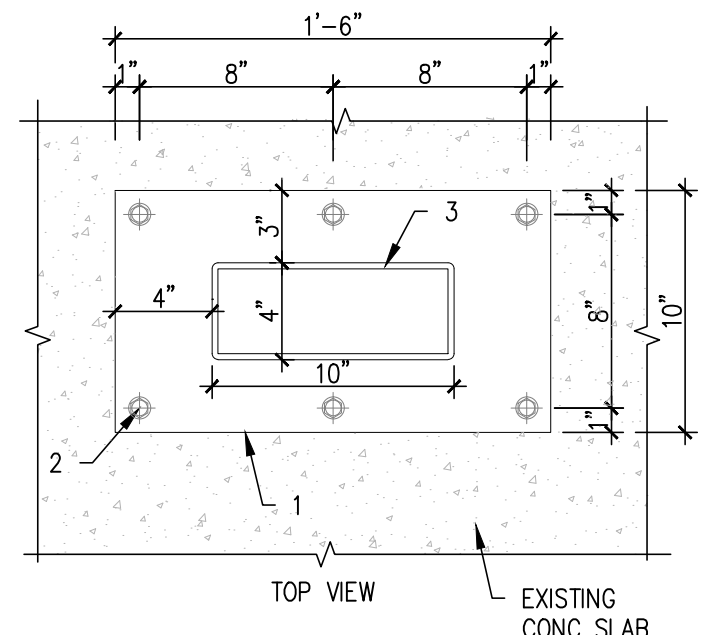


MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

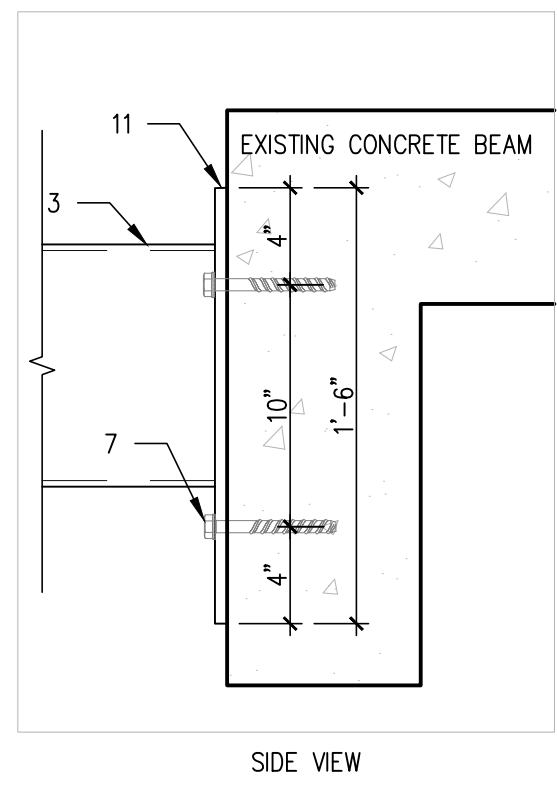
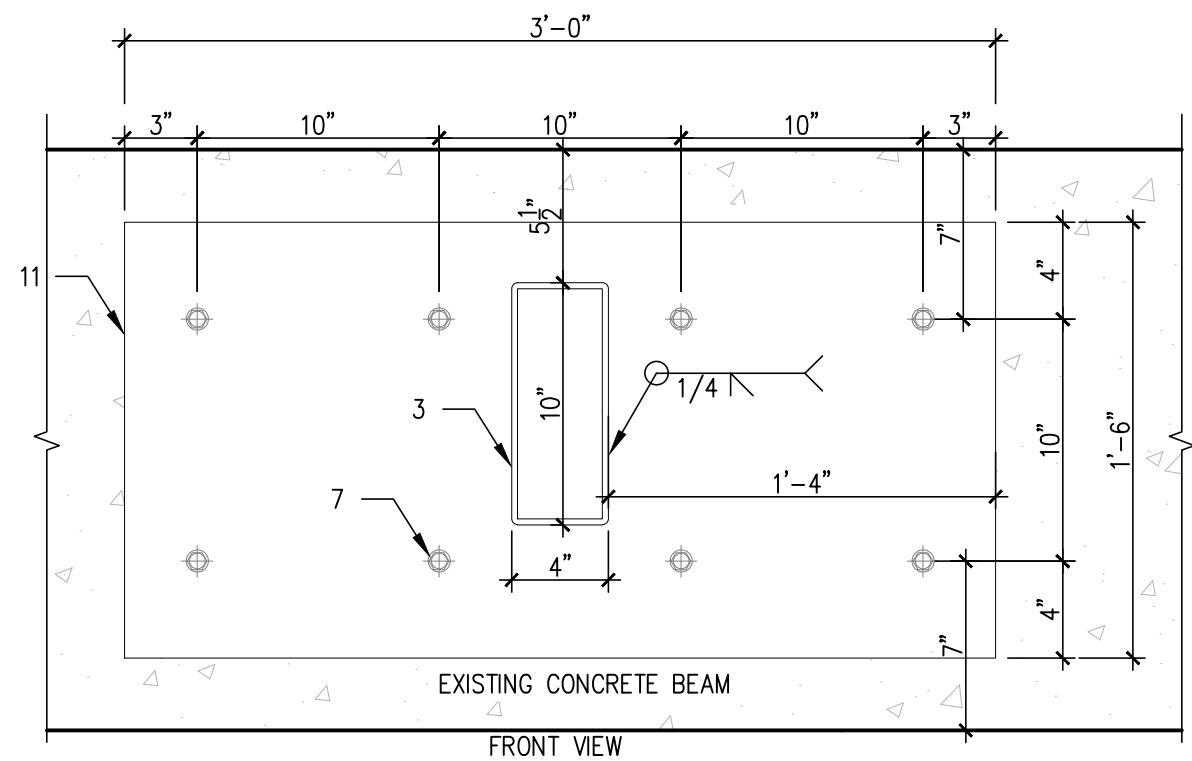
SD2.4



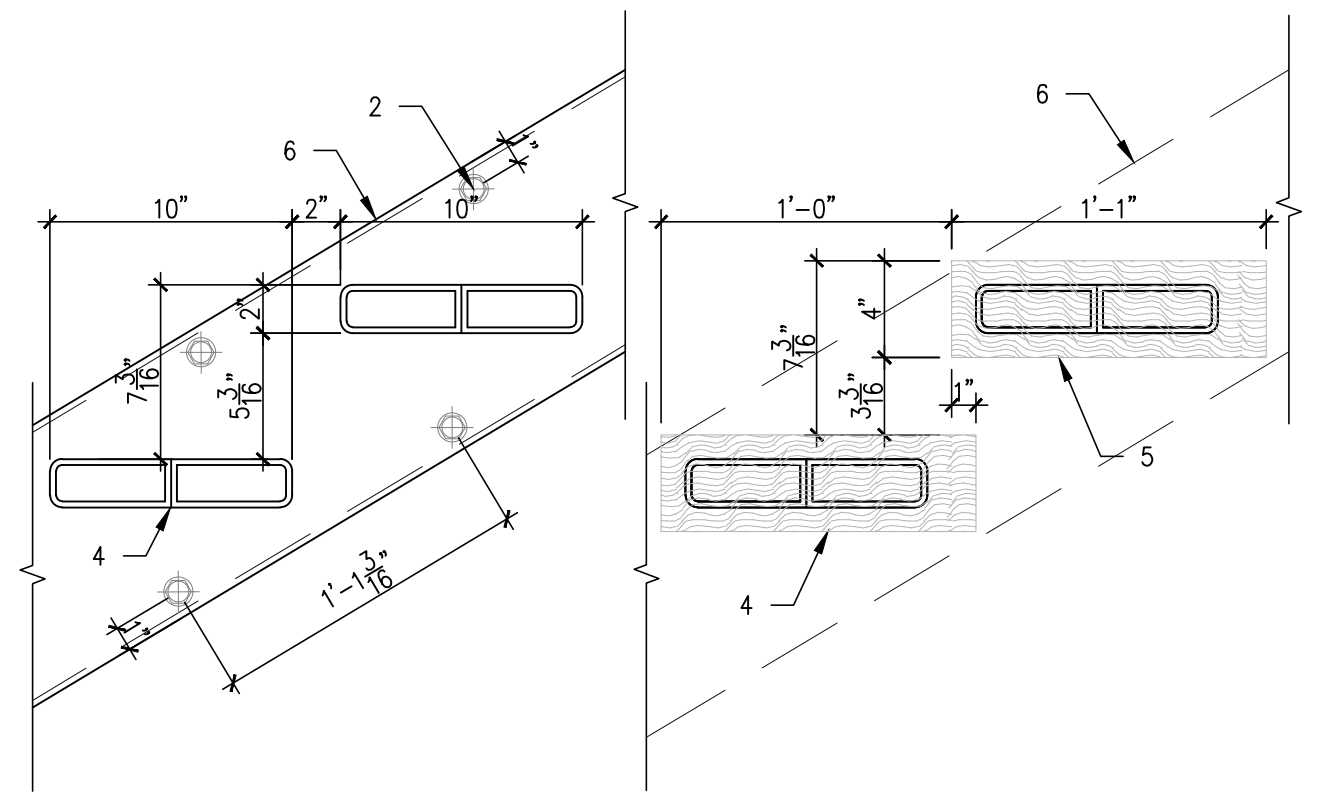




A BOTTOM CONN. DETAIL
SD2.6 SCALE: 1 1/2"=1'-0"

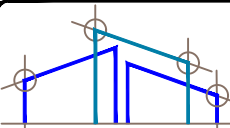


B TOP CONN. DETAIL
SD2.6 SCALE: 1 1/2"=1'-0"



C TREAD DETAIL
SD2.6 SCALE: 1 1/2"=1'-0"

- LEGEND:**
1. STEEL PL 18"x10"x $\frac{3}{4}$ " ASTM A36.
 2. $\frac{1}{2}$ "x5" KWIK HUS-EZ BY HILTI W./ 4" MIN EMBED. &6" MIN EDGE DIST.
 3. RIGTH SIDE STRINGERS HSS10"x4"x $\frac{3}{8}$ " ASTM A500 Gr. B.
 4. STEEL TREADS (2) HSS5X2X $\frac{1}{4}$ " ASTM A500 GR. B (TYP)
 5. 1" CLADDING ON ALL EXPOSED SIDES (BY OTHER)
 6. CONTINUOUS STEEL PL 10"x $\frac{1}{2}$ " WELDED TO TREAD ASTM A36 (TYP.)
 7. $\frac{3}{4}$ "x5 $\frac{1}{2}$ " KWIK HUS-EZ BY HILTI W./ 3 $\frac{3}{4}$ " MIN EMBED. &6" MIN EDGE DIST.
 8. CONTINUOUS WOOD HANDRAIL 1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ".
 9. $\frac{9}{16}$ " LAMINATED TEMPERED GLASS PANEL. SEE NOTES FOR SPECS
 10. SS31600 ϕ 1 $\frac{1}{2}$ "x1 $\frac{1}{4}$ " STANDOFF (3) PAIRS PER GLASS PANEL MIN.
 11. STEEL PL 36"x18"x $\frac{1}{2}$ " ASTM A36.
 12. ϕ $\frac{1}{2}$ " THRU BOLT WITH WASHER AND NUT @ 8" SPACING O.C. MAX (TYP)
 13. SQUARE ALUM. BASE SHOE: CRL B5L AA6060-T6.
 14. TAPER LOCK SYSTEM.
 15. CENTERING BLOCK CRL-LT1SB.
- NOTES:**
1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
 3. FINISH COLOR BY OWNER/CONTRACTOR.


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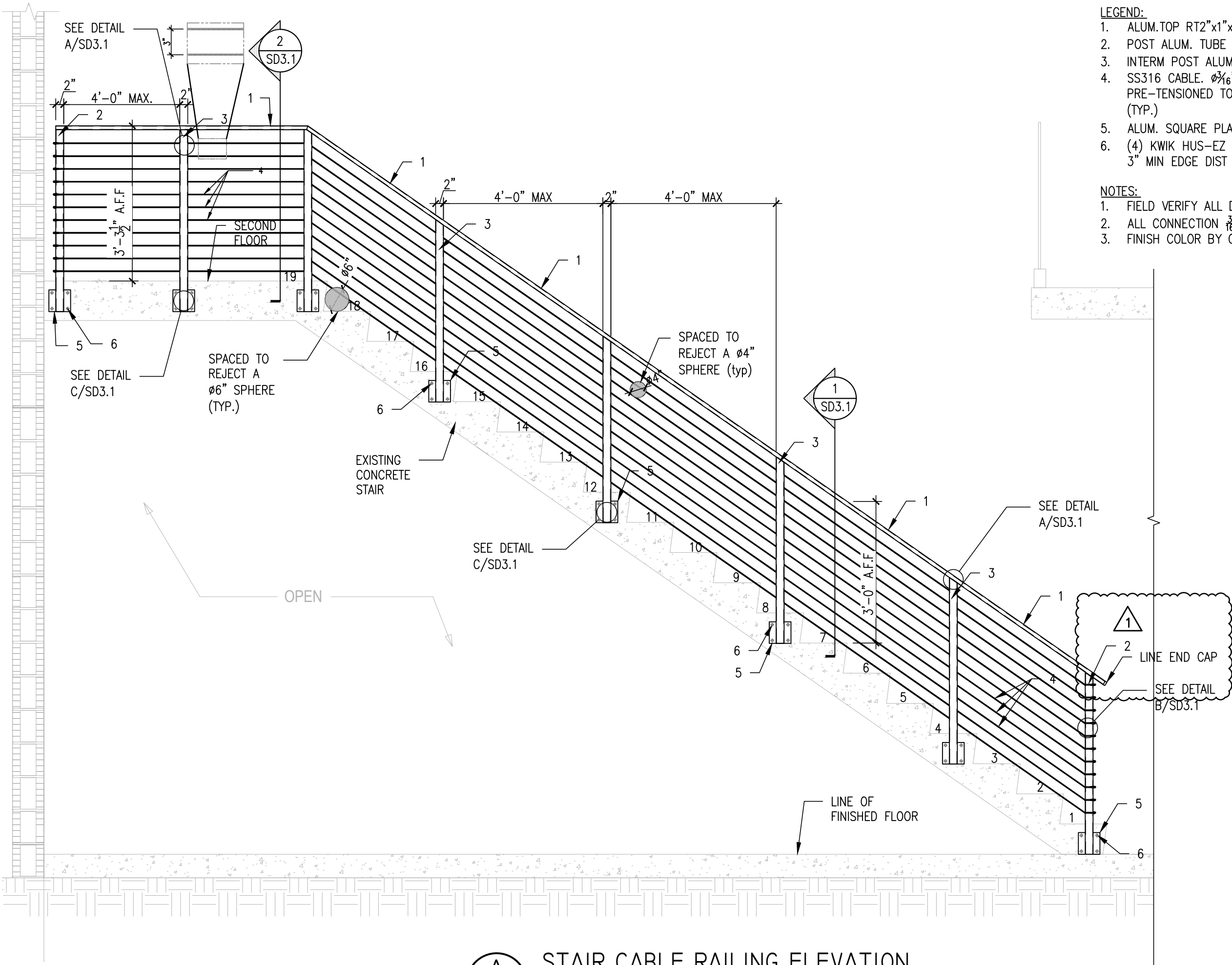
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Alaym Aguilar, Professional Engineer,
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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Stair Section & Details
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

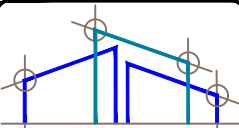
MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

SHEET No.:
SD2.6



- LEGEND:**
- 1. ALUM.TOP RT2"x1"x $\frac{1}{8}$ " AA6061-T6.
 - 2. POST ALUM. TUBE RT2X2X $\frac{1}{4}$ ". AA6061-T6
 - 3. INTERM POST ALUM. TUBE RT2x2x $\frac{1}{4}$ "AA6061-T6
 - 4. SS316 CABLE. $\phi\frac{3}{16}$ " (1X19) CABLE SYSTEM PRE-TENSIONED TO 130 LB. SPACED @3.25" O.C. MAX (TYP.)
 - 5. ALUM. SQUARE PLATE $5\frac{1}{2}$ "X $5\frac{1}{2}$ "X $\frac{3}{8}$ " AA6061-T6.
 - 6. (4) KWIK HUS-EZ (KH-EZ) $\phi\frac{3}{8}$ "X $3\frac{1}{2}$ " W./ $2\frac{1}{2}$ " MIN EMBED, 3" MIN EDGE DIST & 3" O.C (TYP).

- NOTES:**
- 1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 - 2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
 - 3. FINISH COLOR BY OWNER/CONTRACTOR.



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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Stair Cable Railing Elevation
PROJECT LOCATION:	13125 SW 63rd Ave, Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE:02/09/2026

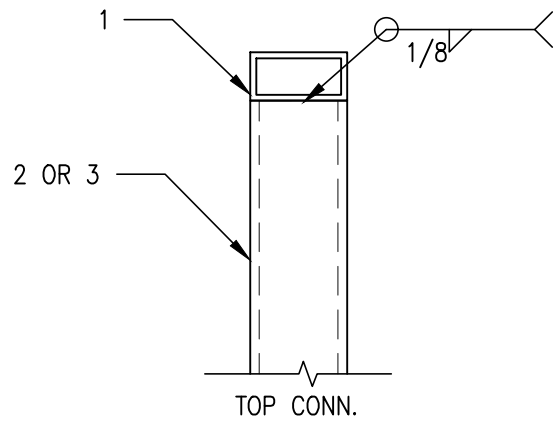
SHEET No.:
SD3.0

A

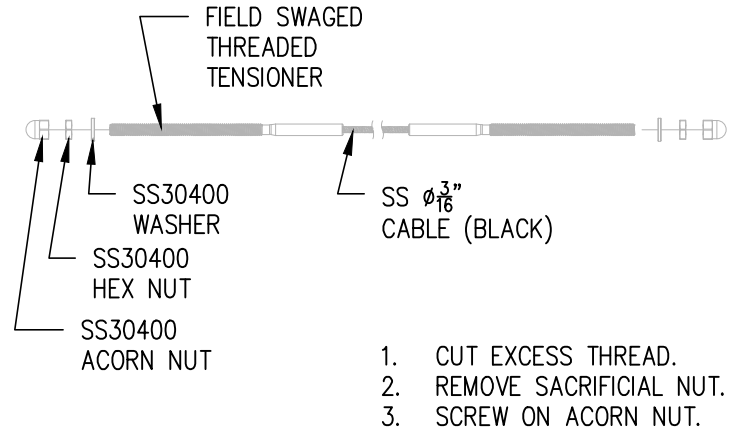
SD3.0

STAIR CABLE RAILING ELEVATION

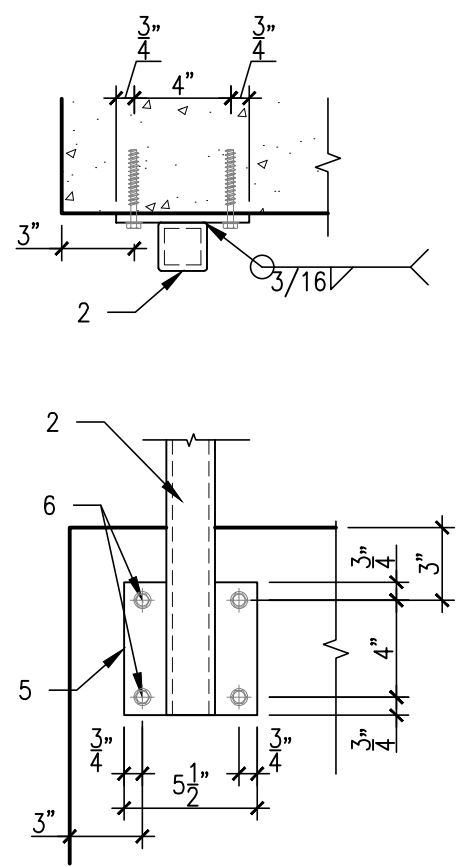
SCALE: 1/2"=1'-0"



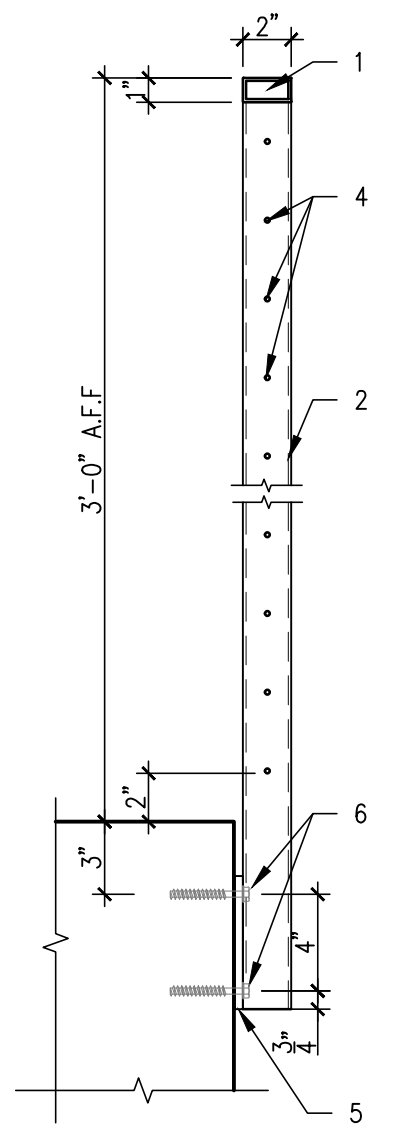
A CONN DETAIL
SD3.1 SCALE: 3"=1'-0"



B CONN DETAIL
SD3.1 SCALE: 3"=1'-0"



C CONN DETAIL
SD3.3 SCALE: 1 1/2"=1'-0"



I SECTION AT STAIR
SD3.3 SCALE: 1 1/2"=1'-0"

- LEGEND:**
1. ALUM.TOP RT2"x1"x $\frac{1}{8}$ " AA6061-T6.
 2. POST ALUM. TUBE RT2X2X $\frac{1}{4}$ ". AA6061-T6
 3. INTERM POST ALUM. TUBE RT2x2x $\frac{1}{4}$ "AA6061-T6
 4. SS316 CABLE. $\phi\frac{3}{16}$ " (1X19) CABLE SYSTEM PRE-TENSIONED TO 130 LB. SPACED @3.25" O.C. MAX (TYP.)
 5. ALUM. SQUARE PLATE $\frac{5}{2}$ "X $\frac{5}{2}$ "X $\frac{3}{8}$ " AA6061-T6.
 6. (4) KWIK HUS-EZ (KH-EZ) $\phi\frac{3}{8}$ "X $\frac{3}{2}$ " W./ $\frac{2}{2}$ " MIN EMBED, 3" MIN EDGE DIST & 3" O.C (TYP).
- NOTES:**
1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. ALL CONNECTION $\frac{3}{16}$ " FILLET WELD U.N.O ON DETAILS.
 3. FINISH COLOR BY OWNER/CONTRACTOR.

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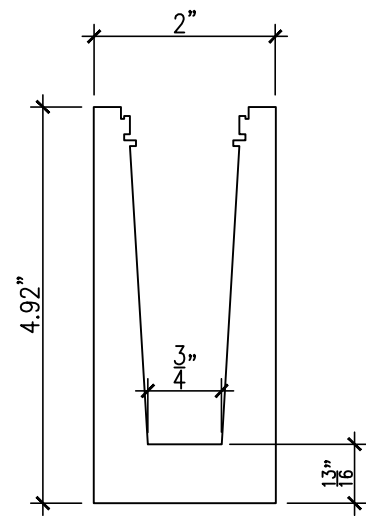
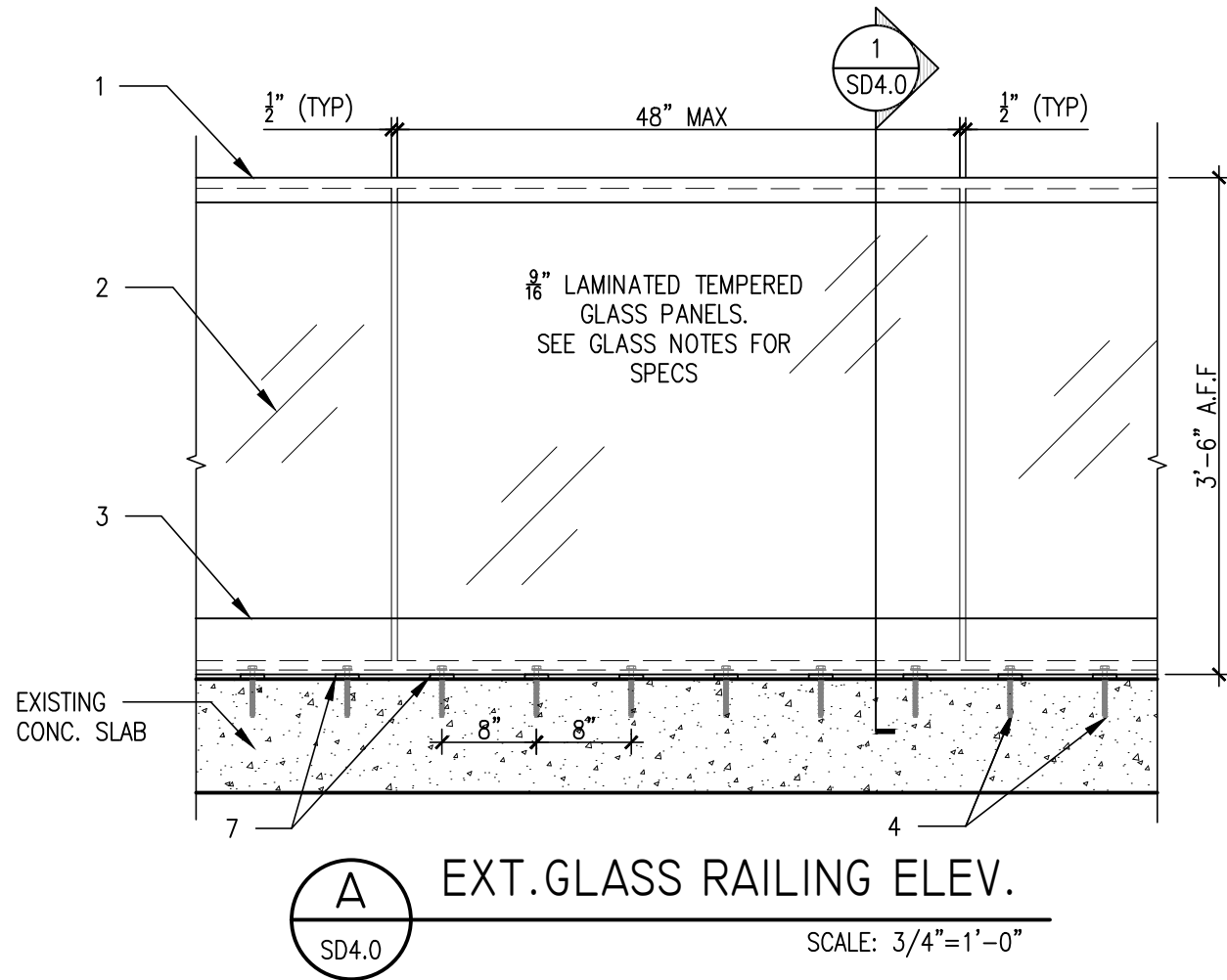
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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Cable Railing Section & Detail
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Vieira, LLC.

REVISIONS	DATE	
05-19-2026	01	

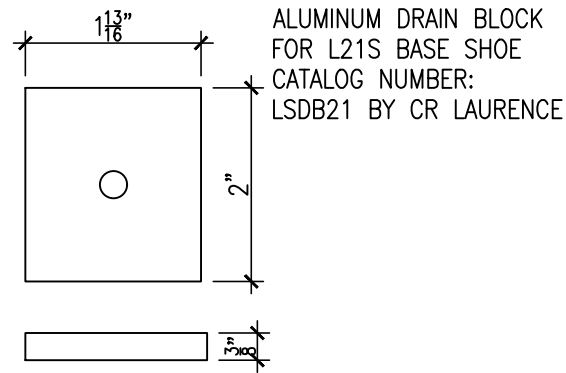
MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

SHEET No.:
SD3.1



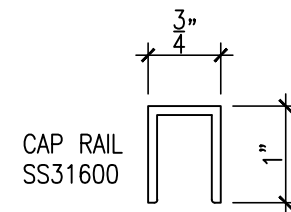
**BASE SHOE
DETAIL**

B SD4.0 SCALE: 6"=1'-0"



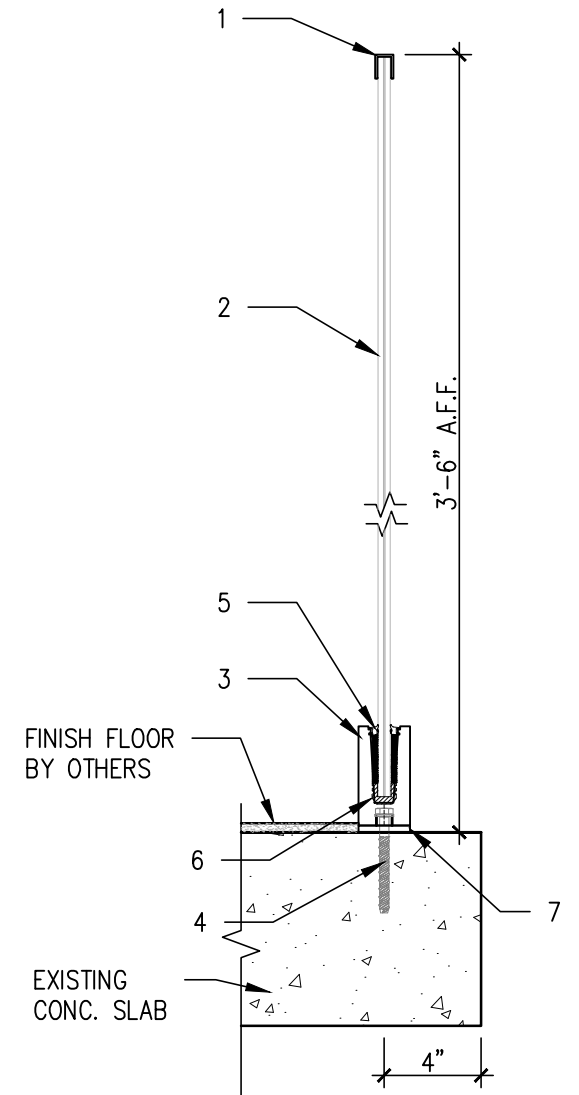
**DRAIN BLOCK
DETAIL**

C SD4.0 SCALE: 6"=1'-0"



**CAP RAIL
DETAIL**

D SD4.0 SCALE: 6"=1'-0"



**EXTERIOR
BALCONY SECTION**

I SD4.0 SCALE: 1 1/2"=1'-0"

GLASS RAILING LEGEND:

1. SS304 CONTINUOUS CAP RAIL 1"x3/4" (typ.)
2. 9/16" LAMINATED TEMPERED GLASS PANEL. SEE GLASS NOTES FOR SPECS (typ)
3. SQUARE ALUM. BASE SHOE NUMBER: L56S10D BY CR LAURENCE 6063-T52
4. 3/8"x4" HILTI KH-EZ SCREW ANCHOR W/ 3/4" EMBEDMENT, 4" MIN. EDGE DIST & 8" SPACING O.C. MAX (typ)
5. TAPER LOCK SYSTEM.
6. CENTERING BLOCK CRL-LT1SB.
7. ALUMINUM DRAIN BLOCK FOR L21S BASE SHOE CATALOG NUMBER: LSDB21 BY CR LAURENCE

NOTES:

1. TO COMPLY W./ FBC-23 RESIDENTIAL R312.1 GUARDS.
2. FIELD VERIFY ALL DIMENSION PRIOR TO FABRICATION.
3. FINISH COLOR BY OWNER/ARCHITECT.

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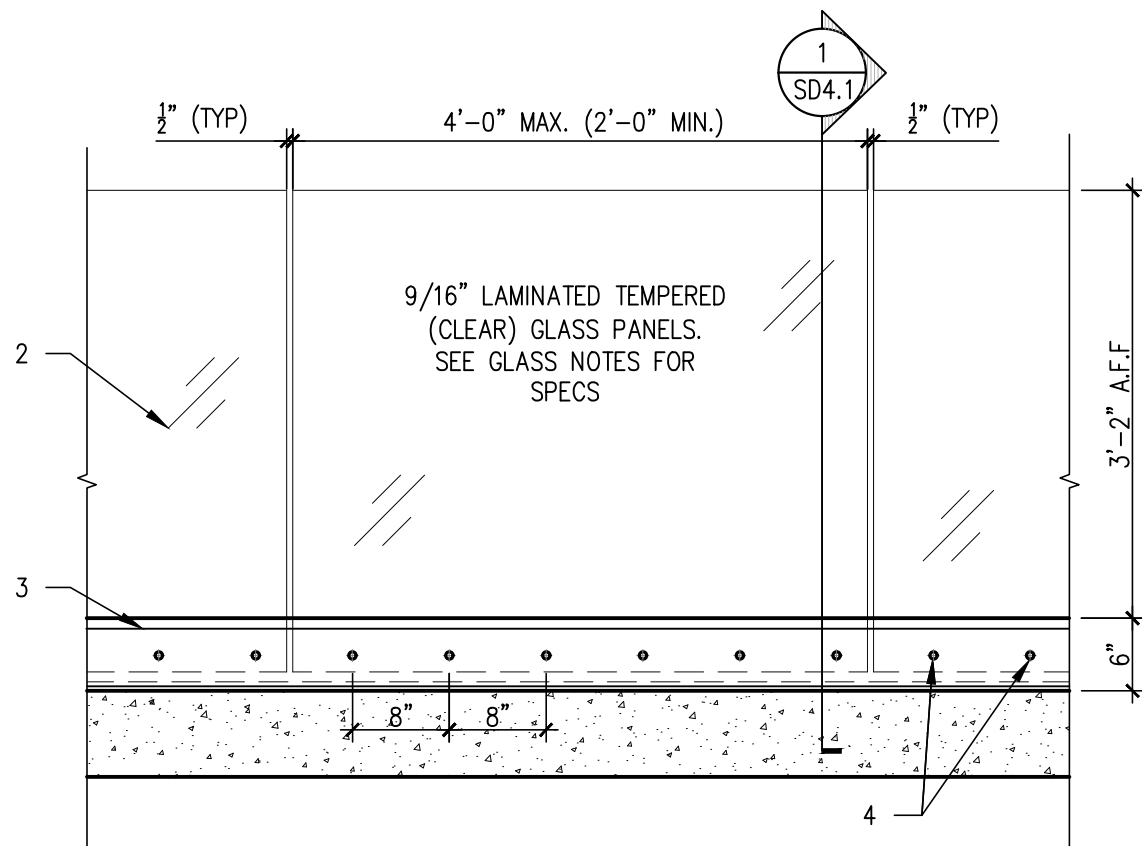
PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Exterior Railing Elevation & Details
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

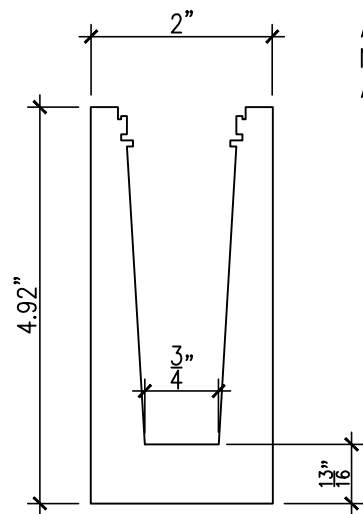
MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

SHEET No.:

SD4.0



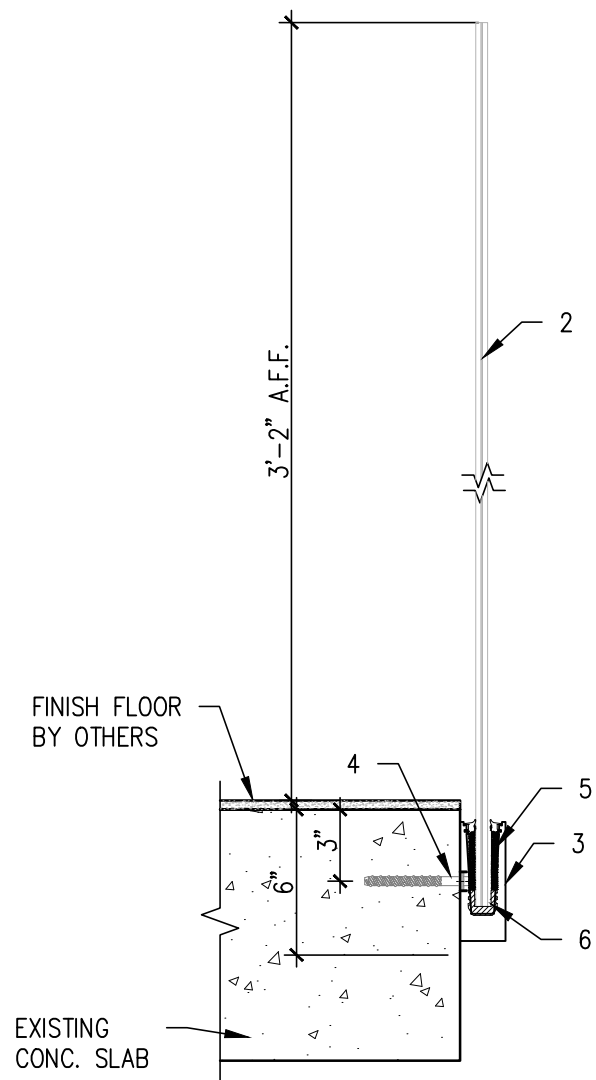
A
INT.GLASS RAILING ELEV.
SD4.1
SCALE: 3/4"=1'-0"



B
BASE SHOE
DETAIL
SD4.1
SCALE: 6"=1'-0"

- LEGEND:**
1. CONTINUOUS CAP RAIL 1"x³/₄" (typ.)
 2. ⁹/₁₆" LAMINATED TEMPERED GLASS PANEL. SEE GLASS NOTES FOR SPECS (typ)
 3. SQUARE ALUM. ALUMINUM BASE SHOE NUMBER: E1800140 AA6060-T6.
 4. ³/₈"x4" HILTI KH-EZ SCREW ANCHOR W/ ³/₄" EMBEDMENT, 3" MIN. EDGE DIST & 8" SPACING O.C. MAX (typ)
 5. TAPER LOCK SYSTEM.
 6. CENTERING BLOCK CRL-LT1SB.

- NOTES:**
1. TO COMPLY W./ FBC-20 RESIDENTIAL R312.1 GUARDS.
 2. FIELD VERIFY ALL DIMENSION PRIOR TO FABRICATION.
 3. FINISH COLOR BY OWNER/ARCHITECT.



I
RAILING SECTION
SD4.1
SCALE: 1 1/2"=1'-0"

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PROJECT NAME:	13125 SW 63RD AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Interior Railing Elevation & Details
PROJECT LOCATION:	13125 SW 63rd Ave. Pinecrest, FL 33156.
CLIENT NAME:	David Viera, LLC.

REVISIONS	DATE	
05-19-2026	01	

MISC. SHOP DRAWING
DRAWN: M.R
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-055
DATE: 02/09/2026

SHEET No.:
SD4.1