11041 SW 77TH AVE

11041 SW 77th Ave,
Pincrest, FL 33156

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. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL DAMAGES.
6. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN ON PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND THESE SERVICES IS CONTRACTOR RESPONSIBILITY.
7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
8. 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.
9. 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.
10. 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.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING 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)
12. 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.
13. DO NOT SUBSTITUTE MATERIALS, EQUIPMENTS OR METHODS OF CONSTRUCTION UNLESS SUCH SUBSTITUTIONS OR CHANGES HAVE BEEN APPROVED IN WRITING BY THE OWNER.
14. 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.
15. 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.
16. ANCHORING CEMENT WITH A COMPRESSION STRENGTH OF 10 KSI AT THE END OF 7 DAYS.
17. 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.
18. DO NOT SCALE DRAWINGS, DIMENSIONS ALWAYS GOVERN.
19. 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.
20. THE QUANTITIES AND DIMENSION SHOWN ON DRAWINGS ARE BASED ON THE ARCHITECTURAL DRAWINGS. ALL DIMENSION TO BE SITE VERIFIED BY GENERAL CONTRACTOR/ SUBCONTRACTOR.
21. 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.
22. FLORIDA BUILDING CODE, 2023 (8th ED) EDITION LOADS:
    DL= 50 PSF LL=60 PSF
    RAILING:
    P= CONCENTRATED LOAD OF 200 lbs (0.89 kN) IN ANY DIRECTION AT ANY PLACE OF TOP MEMBER.
    W= DISTRIBUTED LOAD OF 50 PLF (0.73 kN/m) AT TOP MEMBER.
    GUARD COMPONENT LOADS:
    BALUSTERS, PANEL FILLERS, & GUARD INFILL COMPONENTS, INCLUDING ALL RAILS EXCEPT THE HANDRAIL & THE TOP RAIL, SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 50 POUNDS (0.22 KN) IN ACCORDANCE WITH SECTION 4.5.1.2 OF ASCE 7.
    THIS LOAD MUST BE TRANSFERRED THROUGH THE SUPPORT TO THE STRUCTURE.
23. STAIRWAYS SHALL HAVE A HEADROOM CLEARANCE OF NOT LESS THAN 80 INCHES MEASURED VERTICALLY FROM A LINE CONNECTING THE EDGE OF THE TREAD'S NOSING. SUCH HEADROOM SHALL BE CONTINUOUS ABOVE THE STAIRWAY TO THE POINT WHERE THE LINE INTERSECTS THE LANDING BELOW, ONE TREAD DEPTH BEYOND THE BOTTOM RISER. THE MINIMUM CLEARANCE SHALL BE MAINTAINED THE FULL WIDTH OF THE STAIRWAY AND LANDING.
24. CONTRACTOR SHALL FIELD VERIFY (BY NON–DESTRUCTIVE METHOD) THE EXISTENCE OF CABLES IN THE EXISTING CONCRETE SLAB PRIOR TO INSTALLATION (IF APPLICABLE)
25. 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.
26. 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.
27. ENGINEER'S VISITS TO THE SITE DURING CONSTRUCTION SHALL BE SCHEDULED WITHIN 48 HOURS PRIOR TO INSPECTION.
28. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE ENGINEER IS PROHIBITED.

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	
STEEL PIPES	A53	
MACHINE BOLTS	A307	--
HIGH STRENGTH BOLTS	A325–N	----
ANCHOR RODS	F1554	55 TYPE S1 (U.N.O)
WELDING ELECTRODES	AWS D1.1 E70 SERIES	
WASHERS	F436	TYPE 1
NUTS	A563	GRADE C
ALL OTHER STRUCTURAL STEEL	A36 (U.N.O)	

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 (U.N.O).
6. FOR WELDING OF GALVANIZED MEMBERS, REMOVE THE ZINC COATING AT LEAST ONE TO FOUR INCHES FROM BOTH SIDES OF THE INTENDED WELD ZONE ON BOTH PIECES PRIOR TO WELDING ACCORDING TO AWS D–19.0.
7. ALL CONNECTIONS TO BE WELDED USE SHALL BE 3/16" FILLET WELD MINIMUM U.N.O.
8. 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. PROVIDE G90 COATING AS PROVIDED IN A653.
9. 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.

APPROVED
By Jorge Villavicencio at 7:58 am, Nov 05, 2025

JORGE L VILLAVICENCIO
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Date: 2025.11.05 08:00:08 -05'00'

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Alaym Aguilar
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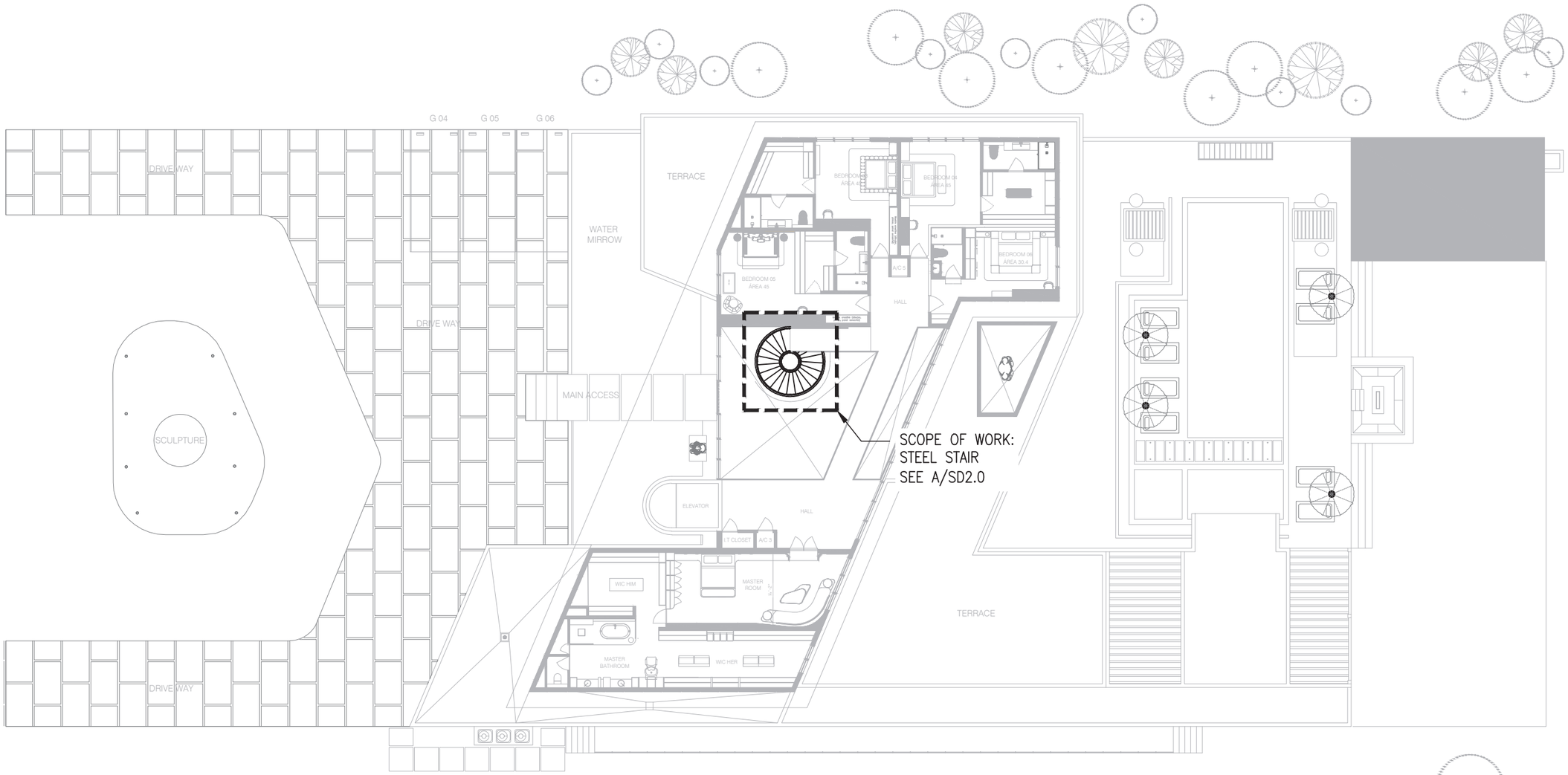
PROJECT NAME: 11041 SW 77TH AVE
TYPE OF PROJECT: Misc. Shop Drawings
SHEET NAME: Cover Page and General Notes
PROJECT LOCATION: 11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME: APLAB ESTUDIO

REVISIONS	DATE	△

MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25–240
DATE: 10/31/2025

SHEET No.:
SD0.0



A
SD1.0

SCOPE OF WORK: FIRST FLOOR

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

APPROVED
By Jorge Villavicencio at 7:59 am, Nov 05, 2025

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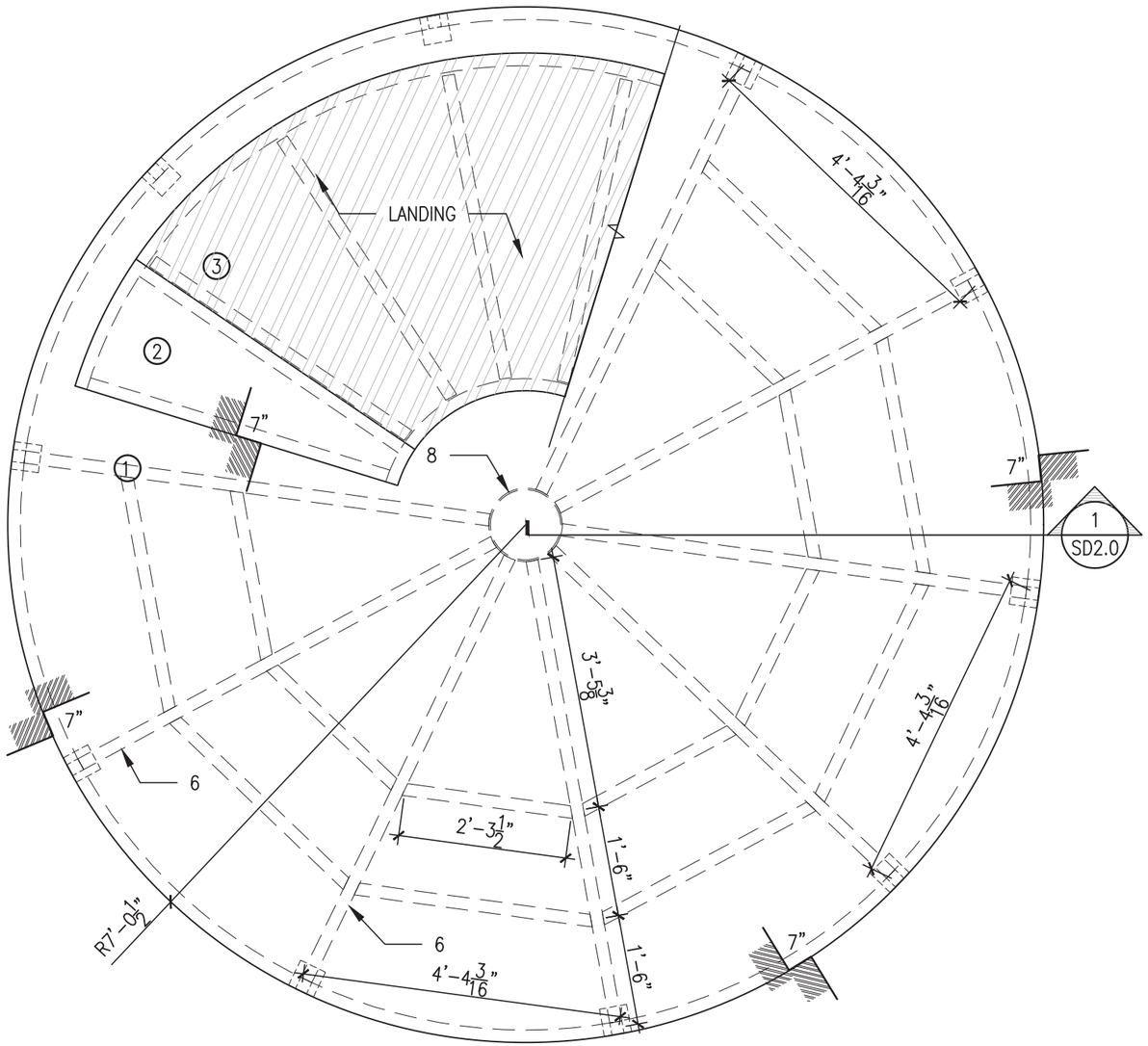
PROJECT NAME:	11041 SW 77TH AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Scope of Work
PROJECT LOCATION:	11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME:	APLAB ESTUDIO

REVISIONS	DATE	

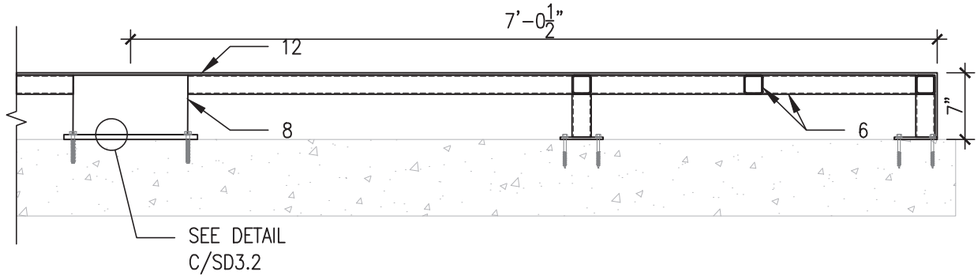
MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-240
DATE: 10/31/2025

SHEET No.:
SD1.0



A SD2.0 FRAME PLATFORM LAYOUT

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



1 SD2.0 STEEL PLATFORM SECTION

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

LEGEND:

1. CUSTOM BUILT-UP STRINGER STEEL TUBE 13"x2 3/4"x 3/8" SHAPED. ASTM A36.
2. STEEL TREAD PLATE 1/2" ASTM A36 (typ.)
3. 3/4" WOOD CLADDING (typ)
4. STEEL TOP PLATE PL 1/2"x49"x8" ASTM A36 (typ.)
5. STEEL TOP PLATE PL 1/2"x49"x5" ASTM A36 (typ.)
6. STEEL TUBE 2x2x 3/16" ASTM A500 Gr.B (typ.)
7. ø 5/8"X5" KWIK HUS-EZ (KH-EZ) BY HILTI W/ 4 1/4" MIN EMBEDMENT (TYP)
8. STEEL ROUND TUBE 12"x 1/8" ASTM A36. (typ.)
9. STEEL POST 1 1/2"x1 1/2"x 1/8" ASTM A36. @ 4' MAX (typ.)
10. STEEL TOP RAIL 1 1/2"x1 1/2"x 3/16" ASTM A36 (typ.)
11. 3/4" WOOD CLADDING
12. STEEL FRAME TREAD PLATE 1/4" ASTM A36 (typ.)
13. STEEL BRACKET 1 1/2"x1 1/2"x 1/8" ASTM A36 (typ.)
14. STEEL BOTTOM PLATE PL 3/4"x8"x20" ASTM A36 (typ.)
15. ø 1/2" x7" A325 TRU BOLT W./ WASHER AND NUTS EVERY OTHER TREAD.
16. ø 3/8"x4" KWIK HUS-EZ (KH-EZ) BY HILTI W/ 2 1/4" MIN EMBEDMENT (typ)
17. STEEL BOTTOM PLATE PL 1/2"x14"x14" ASTM A36 (typ.)
18. STEEL PLATE PL4 1/2"x4 1/2"x 1/4" ASTM A36 (typ.)

NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION 1/4" FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.

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PROJECT NAME: 11041 SW 77TH AVE
TYPE OF PROJECT: Misc. Shop Drawings
SHEET NAME: Steel Platform Frame Layout
PROJECT LOCATION: 11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME: APLAB ESTUDIO

REVISIONS	DATE	

MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-240
DATE: 10/31/2025

SHEET No.: SD2.0

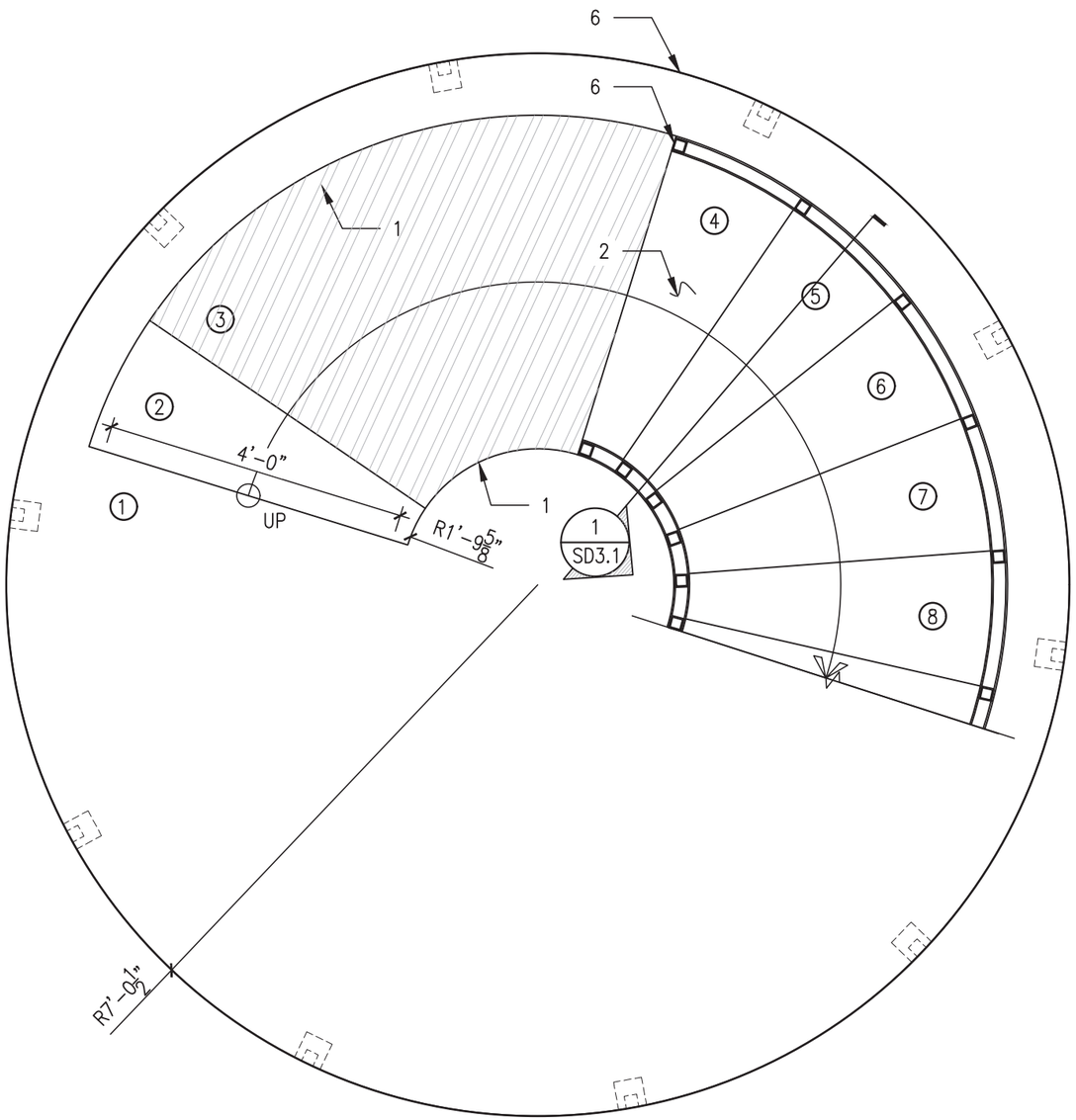
NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION $\frac{1}{4}$" FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.

12. STEEL FRAME TREAD PLATE $\frac{1}{4}$" ASTM A36 (typ.)
13. STEEL BRACKET $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{1}{8}$" ASTM A36 (typ.)
14. STEEL BOTTOM PLATE PL$\frac{3}{4}$"x8"x20" ASTM A36 (typ.)
15. ø $\frac{1}{2}$" x7" A325 TRU BOLT W./ WASHER AND NUTS EVERY OTHER TREAD.
16. ø$\frac{3}{8}$"x4" KWIK HUS-EZ (KH-EZ) BY HILTI W/ $2\frac{1}{4}$" MIN EMBEDMENT (typ)
17. STEEL BOTTOM PLATE PL$\frac{1}{2}$"x14"x14" ASTM A36 (typ.)
18. STEEL PLATE PL$4\frac{1}{2}$"x$4\frac{1}{2}$"x$\frac{1}{4}$" ASTM A36 (typ.)

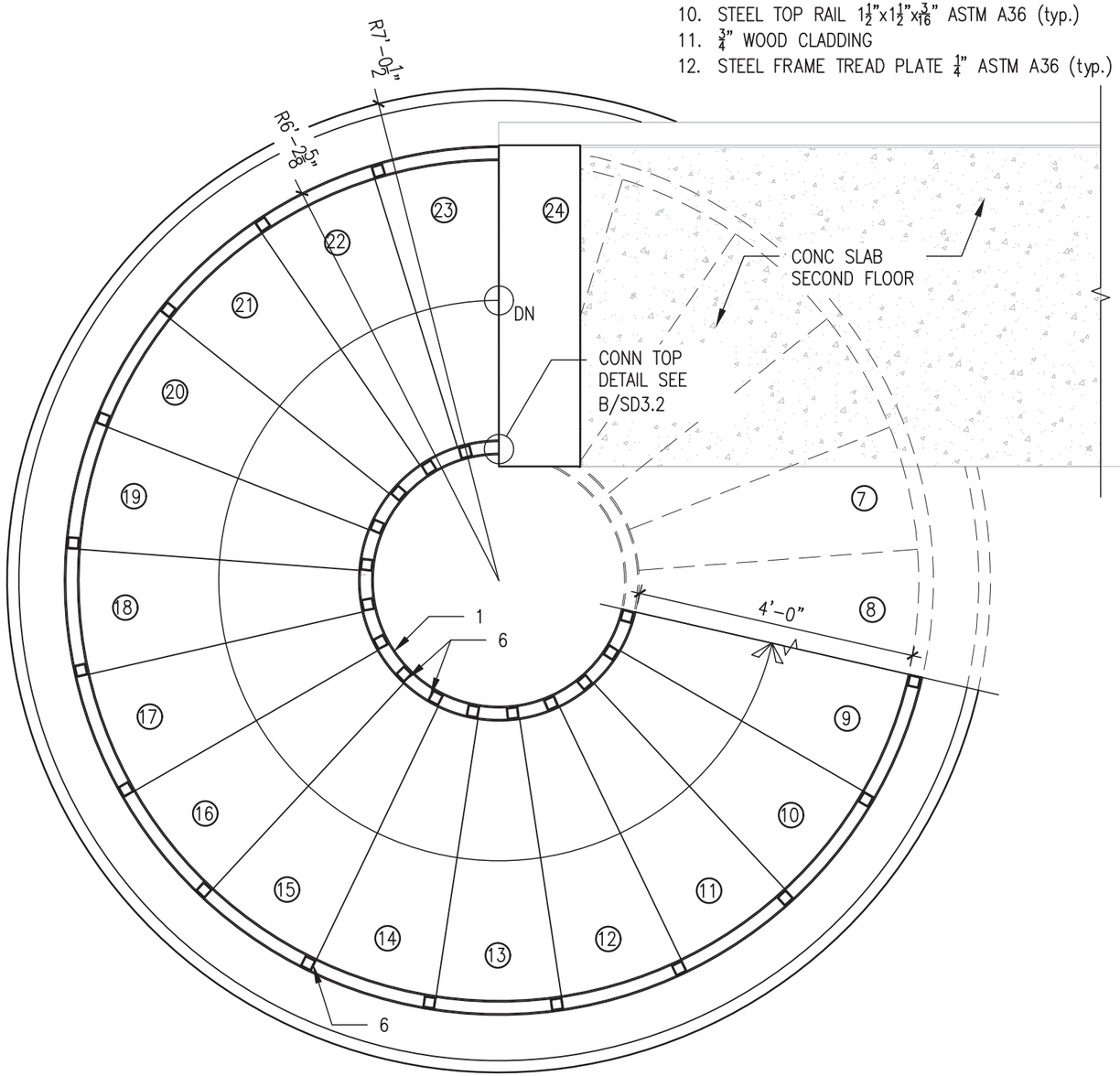
LEGEND:

1. CUSTOM BUILT-UP STRINGER STEEL TUBE 13"x$2\frac{3}{4}$"x$\frac{3}{8}$" SHAPED. ASTM A36.
2. STEEL TREAD PLATE $\frac{1}{2}$" ASTM A36 (typ.)
3. $\frac{3}{4}$" WOOD CLADDING (typ)
4. STEEL TOP PLATE PL$\frac{1}{2}$"x49"x8" ASTM A36 (typ.)
5. STEEL TOP PLATE PL$\frac{1}{2}$"x49"x5" ASTM A36 (typ.)
6. STEEL TUBE 2x2x$\frac{3}{16}$" ASTM A500 Gr.B (typ.)
7. ø$\frac{5}{8}$"X5" KWIK HUS-EZ (KH-EZ) BY HILTI W/ $4\frac{1}{4}$" MIN EMBEDMENT (TYP)
8. STEEL ROUND TUBE 12"x$\frac{1}{8}$" ASTM A36. (typ.)
9. STEEL POST $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{1}{8}$" ASTM A36. @ 4' MAX (typ.)
10. STEEL TOP RAIL $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{3}{16}$" ASTM A36 (typ.)
11. $\frac{3}{4}$" WOOD CLADDING
12. STEEL FRAME TREAD PLATE $\frac{1}{4}$" ASTM A36 (typ.)



A SD2.1 STAIR FRAME FIRST FLOOR LAYOUT

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



B SD2.1 STAIR FRAME SECOND FLOOR LAYOUT

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

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PROJECT NAME:	11041 SW 77TH AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Steel Stair Frame Layout
PROJECT LOCATION:	11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME:	APLAB ESTUDIO

REVISIONS	DATE	△

MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-240
DATE: 10/31/2025

SHEET No.:

SD2.1

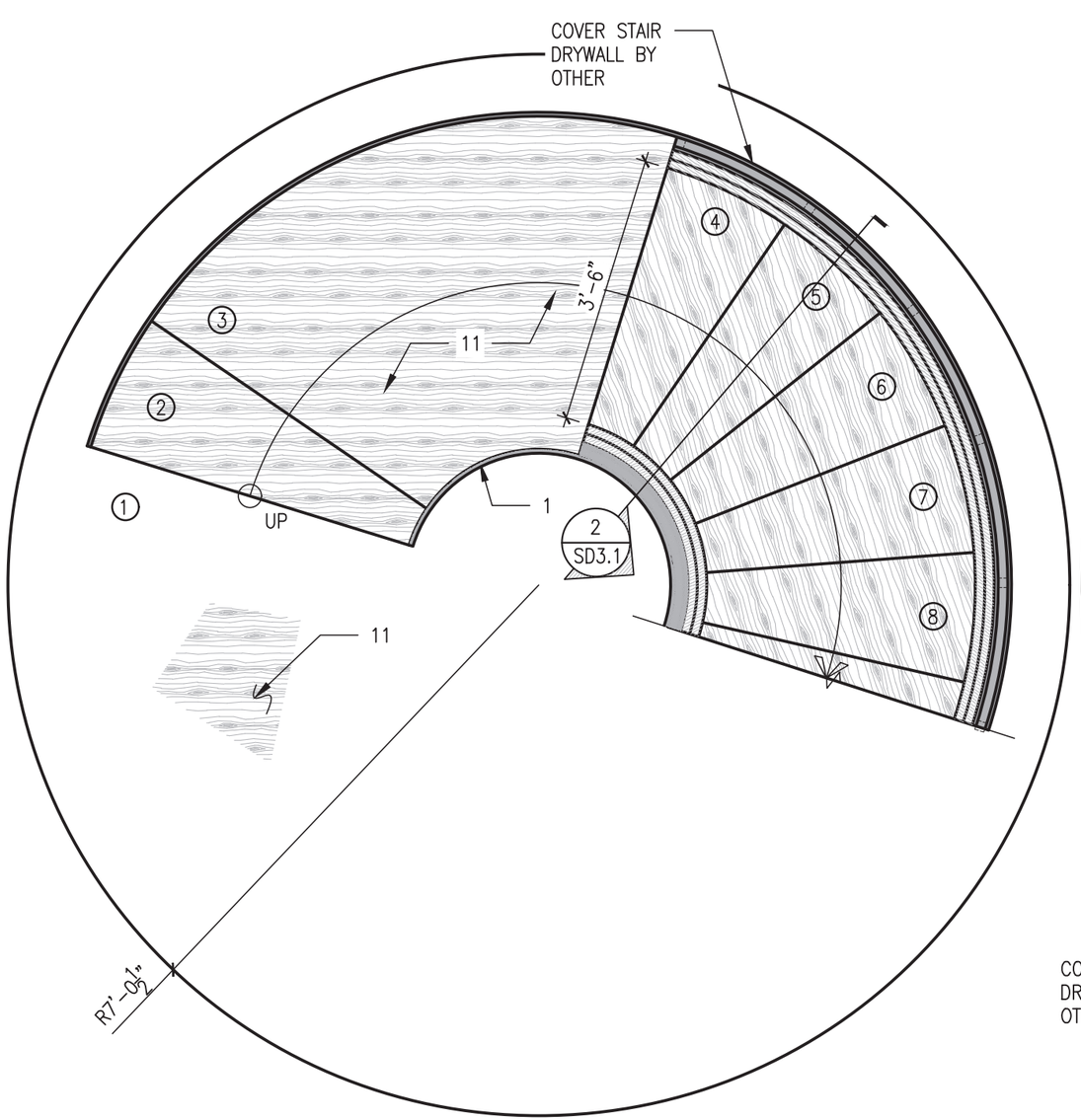
NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION $\frac{1}{4}$" FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.

12. STEEL FRAME TREAD PLATE $\frac{1}{4}$" ASTM A36 (typ.)
13. STEEL BRACKET $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{1}{8}$" ASTM A36 (typ.)
14. STEEL BOTTOM PLATE PL$\frac{3}{4}$"x8"x20" ASTM A36 (typ.)
15. ø $\frac{1}{2}$" x7" A325 TRU BOLT W./ WASHER AND NUTS EVERY OTHER TREAD.
16. ø$\frac{3}{8}$"x4" KWIK HUS-EZ (KH-EZ) BY HILTI W/ $2\frac{1}{4}$" MIN EMBEDMENT (typ)
17. STEEL BOTTOM PLATE PL$\frac{1}{2}$"x14"x14" ASTM A36 (typ.)
18. STEEL PLATE PL$4\frac{1}{2}$"x$4\frac{1}{2}$"x$\frac{1}{4}$" ASTM A36 (typ.)

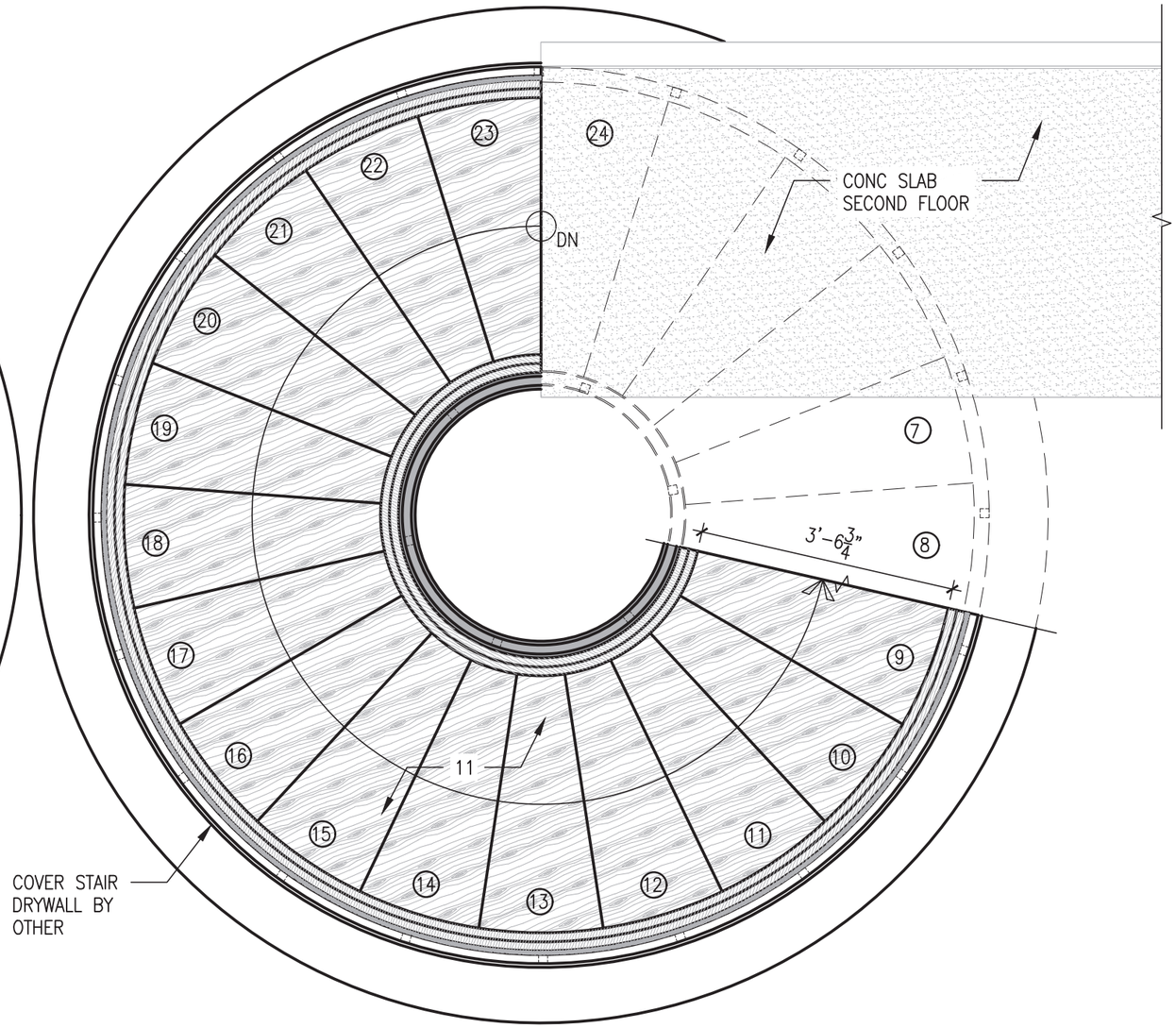
LEGEND:

1. CUSTOM BUILT-UP STRINGER STEEL TUBE 13"x$2\frac{3}{4}$"x$\frac{3}{8}$" SHAPED. ASTM A36.
2. STEEL TREAD PLATE $\frac{1}{2}$" ASTM A36 (typ.)
3. $\frac{3}{4}$" WOOD CLADDING (typ)
4. STEEL TOP PLATE PL$\frac{1}{2}$"x49"x8" ASTM A36 (typ.)
5. STEEL TOP PLATE PL$\frac{1}{2}$"x49"x5" ASTM A36 (typ.)
6. STEEL TUBE 2x2x$\frac{3}{16}$" ASTM A500 Gr.B (typ.)
7. ø$\frac{5}{8}$"X5" KWIK HUS-EZ (KH-EZ) BY HILTI W/ $4\frac{1}{4}$" MIN EMBEDMENT (TYP)
8. STEEL ROUND TUBE 12"x$\frac{1}{8}$" ASTM A36. (typ.)
9. STEEL POST $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{1}{8}$" ASTM A36. @ 4' MAX (typ.)
10. STEEL TOP RAIL $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{3}{16}$" ASTM A36 (typ.)
11. $\frac{3}{4}$" WOOD CLADDING
12. STEEL FRAME TREAD PLATE $\frac{1}{4}$" ASTM A36 (typ.)



A SD2.2 STAIR FIRST FLOOR PLAN VIEW

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



B SD2.2 STAIR SECOND FLOOR PLAN VIEW

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

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Alaym Aguilar

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Date: 2025.11.09:52:03 -05'00'

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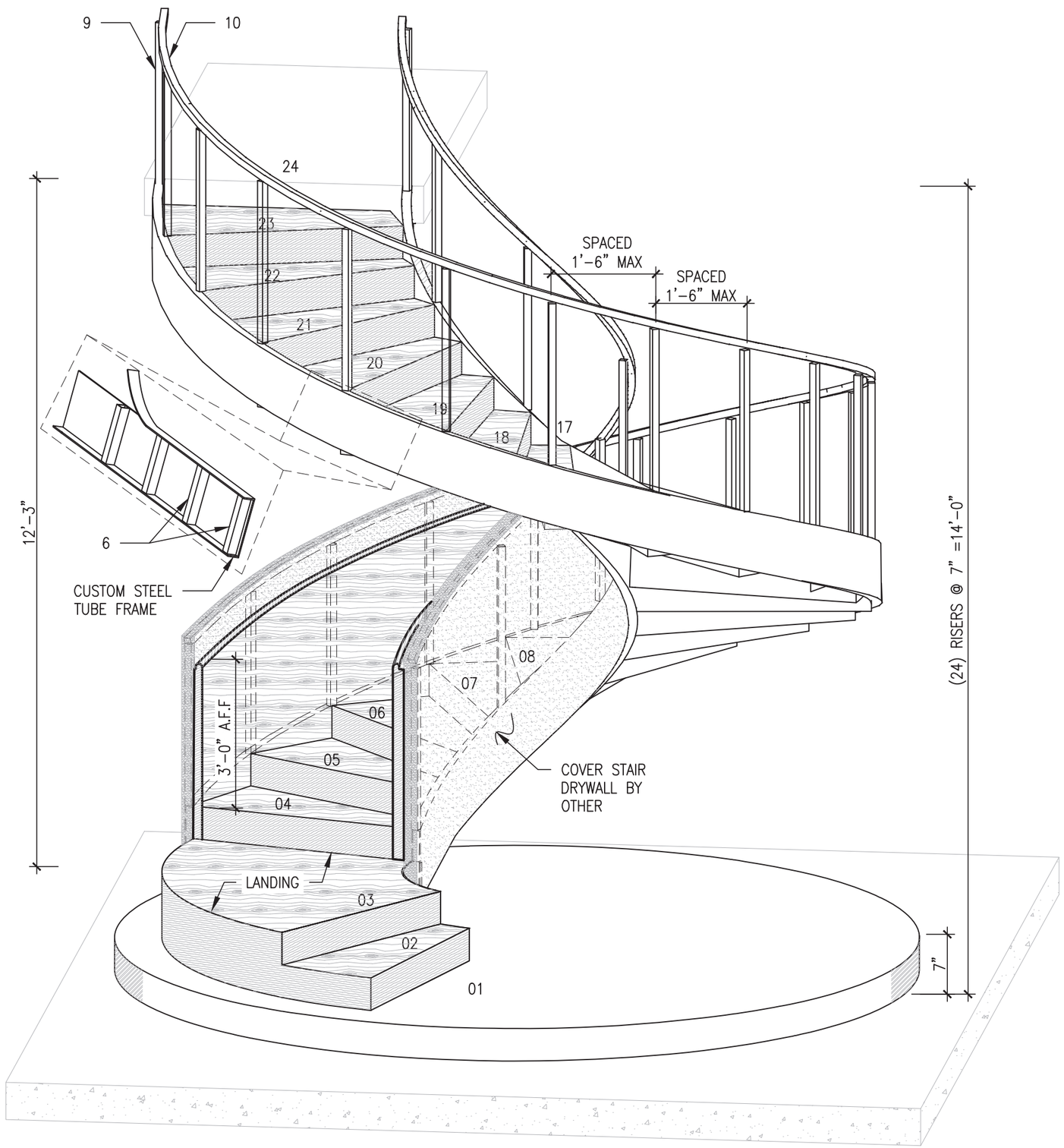
PROJECT NAME:	11041 SW 77TH AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Steel Stair Plan View
PROJECT LOCATION:	11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME:	APLAB ESTUDIO

REVISIONS	DATE	△

MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-240
DATE: 10/31/2025

SHEET No.:

SD2.2



A
SD3.3

STEEL STAIR ISOMETRIC

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

LEGEND:

1. CUSTOM BUILT-UP STRINGER STEEL TUBE 13"x2¾"x⅜" SHAPED. ASTM A36.
2. STEEL TREAD PLATE ½" ASTM A36 (typ.)
3. ¾" WOOD CLADDING (typ)
4. STEEL TOP PLATE PL½"x49"x8" ASTM A36 (typ.)
5. STEEL TOP PLATE PL½"x49"x5" ASTM A36 (typ.)
6. STEEL TUBE 2x2x3/16" ASTM A500 Gr.B (typ.)
7. ø⅝"X5" KWIK HUS-EZ (KH-EZ) BY HILTI W/ 4¼" MIN EMBEDMENT (TYP)
8. STEEL ROUND TUBE 12"x⅛" ASTM A36. (typ.)
9. STEEL POST 1½"x1½"x⅛" ASTM A36. @ 4' MAX (typ.)
10. STEEL TOP RAIL 1½"x1½"x3/16" ASTM A36 (typ.)
11. ¾" WOOD CLADDING
12. STEEL FRAME TREAD PLATE ¼" ASTM A36 (typ.)
13. STEEL BRACKET 1½"x1½"x⅛" ASTM A36 (typ.)
14. STEEL BOTTOM PLATE PL¾"x8"x20" ASTM A36 (typ.)
15. ø ½" x7" A325 TRU BOLT W./ WASHER AND NUTS EVERY OTHER TREAD.
16. ø⅝"x4" KWIK HUS-EZ (KH-EZ) BY HILTI W/ 2¼" MIN EMBEDMENT (typ)
17. STEEL BOTTOM PLATE PL½"x14"x14" ASTM A36 (typ.)
18. STEEL PLATE PL4½"x4½"x¼" ASTM A36 (typ.)

NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION ¼" FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.

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PROJECT NAME:	11041 SW 77TH AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Steel Stair Isometric
PROJECT LOCATION:	11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME:	APLAB ESTUDIO

REVISIONS	DATE	△

MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-240
DATE: 10/31/2025

SHEET No.:
SD3.0

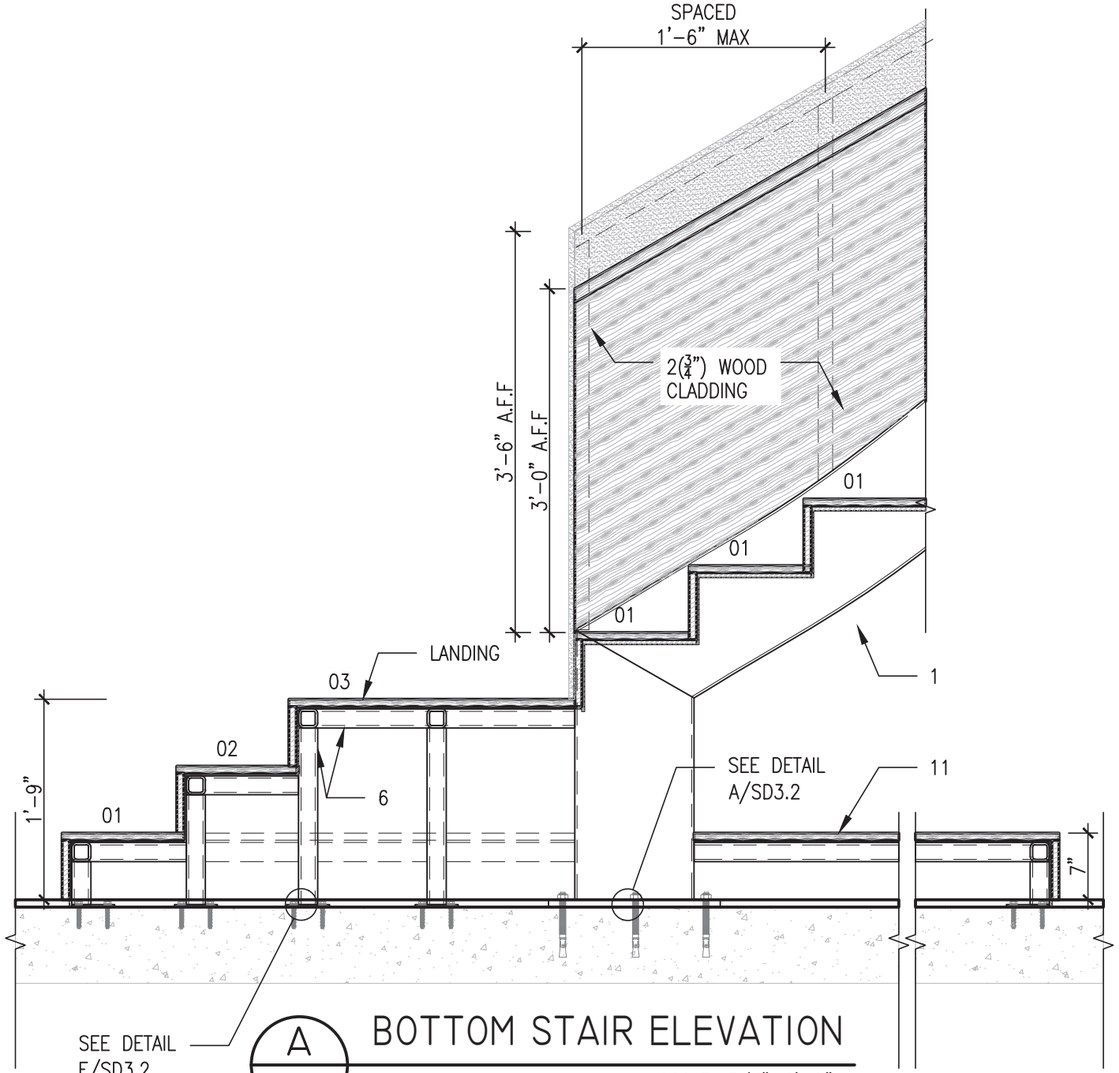
12. STEEL FRAME TREAD PLATE $\frac{1}{4}$" ASTM A36 (typ.)
13. STEEL BRACKET $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{1}{8}$" ASTM A36 (typ.)
14. STEEL BOTTOM PLATE PL$\frac{3}{4}$"x8"x20" ASTM A36 (typ.)
15. ø $\frac{1}{2}$" x7" A325 TRU BOLT W./ WASHER AND NUTS EVERY OTHER TREAD.
16. ø$\frac{3}{8}$"x4" KWIK HUS-EZ (KH-EZ) BY HILTI W/ $2\frac{1}{4}$" MIN EMBEDMENT (typ)
17. STEEL BOTTOM PLATE PL$\frac{1}{2}$"x14"x14" ASTM A36 (typ.)
18. STEEL PLATE PL4$\frac{1}{2}$"x4$\frac{1}{2}$"x$\frac{1}{4}$" ASTM A36 (typ.)

NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION $\frac{1}{4}$" FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.

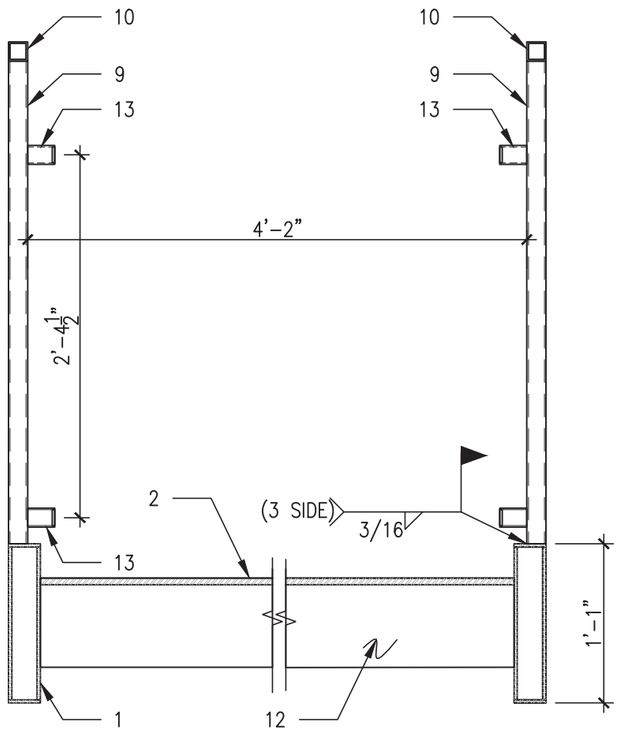
LEGEND:

1. CUSTOM BUILT-UP STRINGER STEEL TUBE 13"x2$\frac{3}{4}$"x$\frac{3}{8}$" SHAPED. ASTM A36.
2. STEEL TREAD PLATE $\frac{1}{2}$" ASTM A36 (typ.)
3. $\frac{3}{4}$" WOOD CLADDING (typ)
4. STEEL TOP PLATE PL$\frac{1}{2}$"x49"x8" ASTM A36 (typ.)
5. STEEL TOP PLATE PL$\frac{1}{2}$"x49"x5" ASTM A36 (typ.)
6. STEEL TUBE 2x2x$\frac{3}{16}$" ASTM A500 Gr.B (typ.)
7. ø$\frac{5}{8}$"X5" KWIK HUS-EZ (KH-EZ) BY HILTI W/ $4\frac{1}{4}$" MIN EMBEDMENT (TYP)
8. STEEL ROUND TUBE 12"x$\frac{1}{8}$" ASTM A36. (typ.)
9. STEEL POST $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{1}{8}$" ASTM A36. @ 4' MAX (typ.)
10. STEEL TOP RAIL $1\frac{1}{2}$"x$1\frac{1}{2}$"x$\frac{3}{16}$" ASTM A36 (typ.)
11. $\frac{3}{4}$" WOOD CLADDING



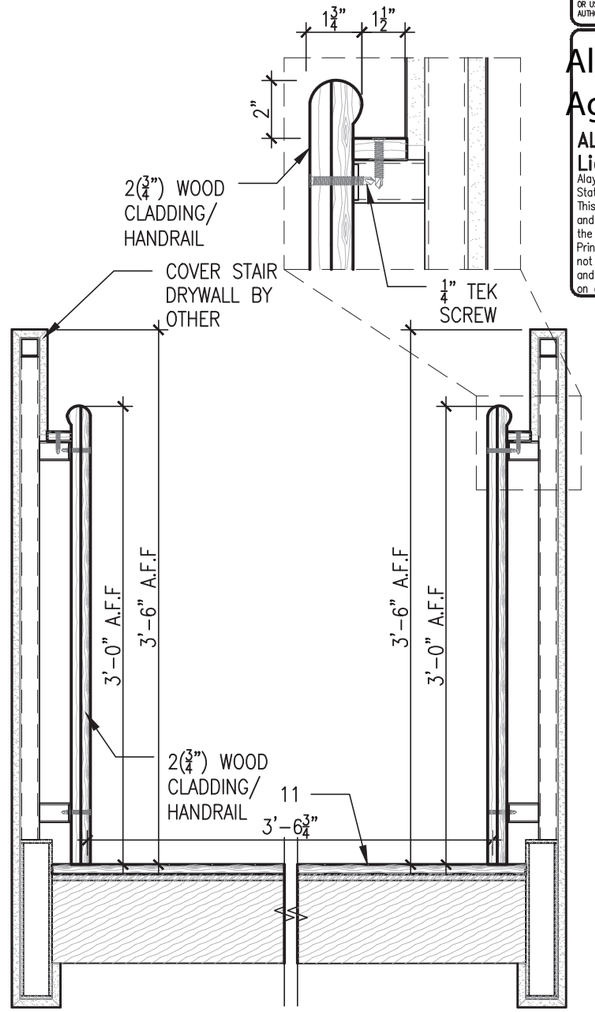
A SD3.1 BOTTOM STAIR ELEVATION

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



1 SD3.1 STAIR FRAME SECTION

SCALE: 1"=1'-0"



2 SD3.1 STAIR SECTION

SCALE: 1"=1'-0"

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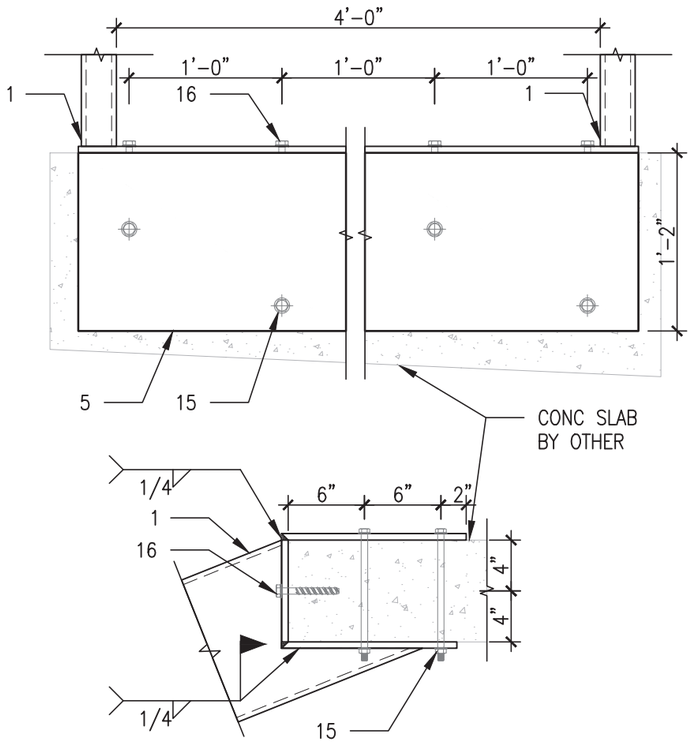
PROJECT NAME:	11041 SW 77TH AVE
TYPE OF PROJECT:	Misc. Shop Drawings
SHEET NAME:	Steel Stair Elevation & Section
PROJECT LOCATION:	11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME:	APLAB ESTUDIO

REVISIONS	DATE	△

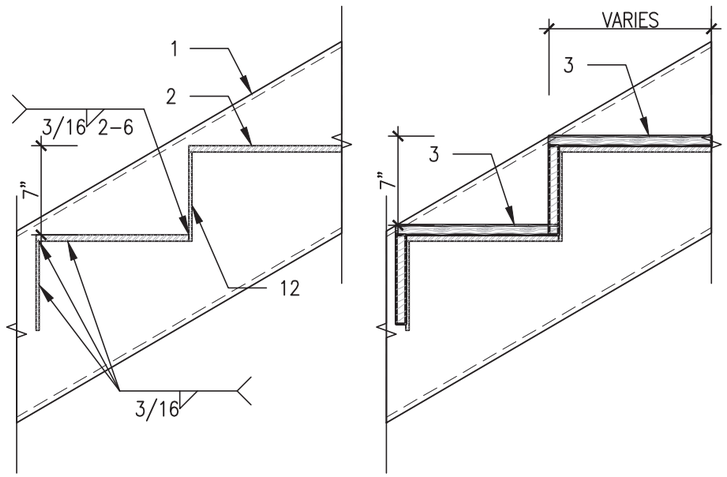
MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-240
DATE: 10/31/2025

SHEET No.:
SD3.1



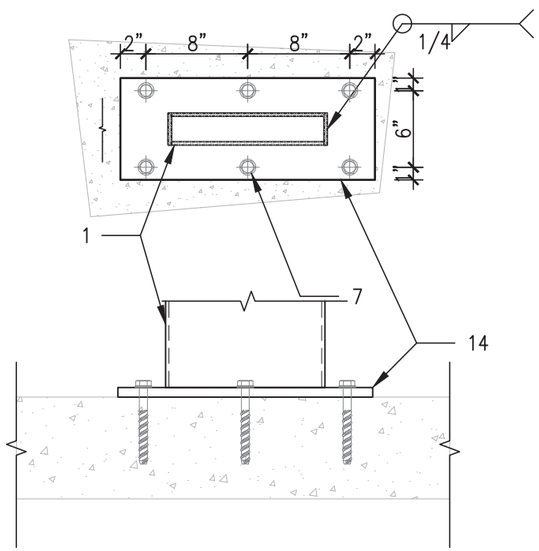
B SD3.2 TOP CONN DETAIL

SCALE: 1"=1'-0"



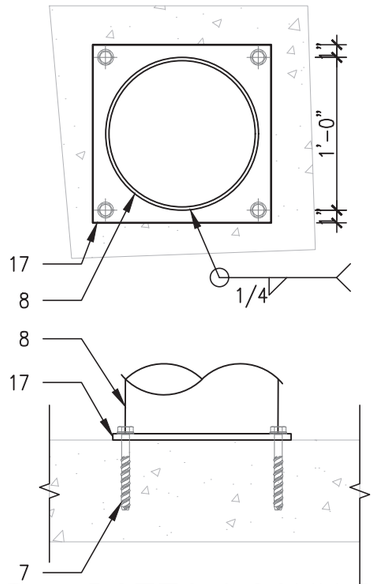
D SD3.2 TREAD DETAIL

SCALE: 1"=1'-0"



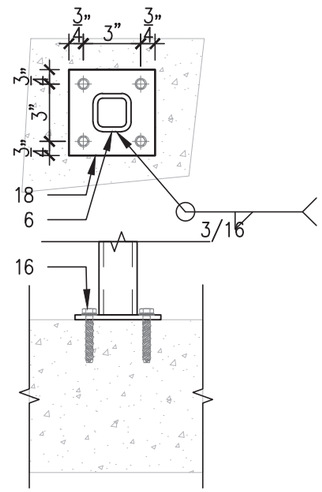
A SD3.2 BOTTOM CONN DETAIL

SCALE: 1"=1'-0"



C SD3.2 BOTTOM CONN DETAIL

SCALE: 1"=1'-0"



E SD3.2 CONN DETAIL

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

LEGEND:

1. CUSTOM BUILT-UP STRINGER STEEL TUBE 13"x2¾"x⅜" SHAPED. ASTM A36.
2. STEEL TREAD PLATE ½" ASTM A36 (typ.)
3. ¾" WOOD CLADDING (typ)
4. STEEL TOP PLATE PL½"x49"x8" ASTM A36 (typ.)
5. STEEL TOP PLATE PL½"x49"x5" ASTM A36 (typ.)
6. STEEL TUBE 2x2x3/16" ASTM A500 Gr.B (typ.)
7. ø⅝"X5" KWIK HUS-EZ (KH-EZ) BY HILTI W/ 4¼" MIN EMBEDMENT (TYP)
8. STEEL ROUND TUBE 12"x⅛" ASTM A36. (typ.)
9. STEEL POST 1½"x1½"x⅛" ASTM A36. @ 4' MAX (typ.)
10. STEEL TOP RAIL 1½"x1½"x3/16" ASTM A36 (typ.)
11. ¾" WOOD CLADDING
12. STEEL FRAME TREAD PLATE ¼" ASTM A36 (typ.)
13. STEEL BRACKET 1½"x1½"x⅛" ASTM A36 (typ.)
14. STEEL BOTTOM PLATE PL¾"x8"x20" ASTM A36 (typ.)
15. ø ½" x7" A325 TRU BOLT W./ WASHER AND NUTS EVERY OTHER TREAD.
16. ø⅜"x4" KWIK HUS-EZ (KH-EZ) BY HILTI W/ 2¼" MIN EMBEDMENT (typ)
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18. STEEL PLATE PL4½"x4½"x¼" ASTM A36 (typ.)

NOTES:

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2. ALL CONNECTION ¼" FILLET WELD U.N.O ON DETAILS.
3. FINISH COLOR BY OWNER/CONTRACTOR.

APPROVED

By Jorge Villavicencio at 7:59 am, Nov 05, 2025

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PROJECT NAME: 11041 SW 77TH AVE
TYPE OF PROJECT: Misc. Shop Drawings
SHEET NAME: Steel Stair Detail
PROJECT LOCATION: 11041 SW 77th Ave. Pinecrest FL 33156
CLIENT NAME: APLAB ESTUDIO

REVISIONS	DATE	△

MISC. SHOP DRAWING
DRAWN: U.P
CHECKED: A.A.
SCALE: AS SHOWN
JOB NO: 25-240
DATE: 10/31/2025

SHEET No.:
SD3.2