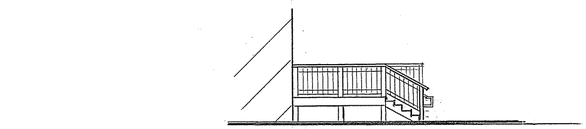
Certification for Design Load Compliance

1. DESIGN CODE: Florida BUILDING code 2020 Edition w/20____ supplements using ASCE 7-16
2. Structure Design is: _____ Enclosed _____ Partially Enclosed X Open Building
3. Risk Category: ___I X II ___ III ___IV Exposure Category: ___B X C ___D Adjustment coefficient 1.12
4. Design Wind Velocity 165 mph ___ASD ___LRFD End Zone Width 4 ft.
5. Mean Roof Height: 12 ft. Roof Pitch: N/A:12 Parapet ___ ft.
6. Components & Cladding Design Pressure used: (PSF, based on Actual sq. ft. @ 30' MRH (worst case)
   Zone 1:- N/A Zone 2:- N/A Zone 3:- N/A Zone 4:- 36.9 Zone 5:- 44.4 Garage: N/A
7. Design Loads: Floor: 100 PSF Roof/Dead: N/A PSF Roof/Live N/A PSF Balcony: ___PSF
   Dock: ___PSF Deck: 100 PSF Stairs: 100 PSF Fence: _____PSF Railing: 50 P&F
8. Were Shear Walls Considered for Structure? X Yes ___Not Applicable Explain Why Not:
9. Is a Continuous Load Path provided? X Yes ___Not applicable Explain Why Not:
10. Minimum soil bearing pressure 2000 P.S.F.

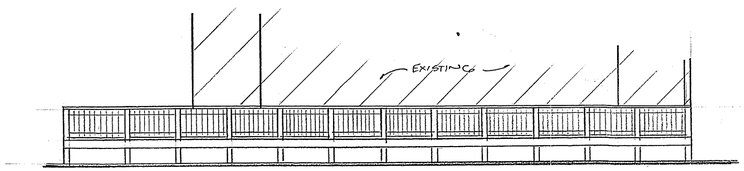
STRUCTURAL NOTES:

1. STRUCTURAL LUMBER TO BE HEM-FIR #2 GRADE OR BETTER WITH 1000 P.S.I. MIN. FIBER STRESS VALUE.
2. CONCRETE SLABS AND FOOTINGS TO BE 2500 P.S.I. MIN.
3. REINFORCING STEEL SHALL BE GRADE 60 OR BETTER WITH 30" MIN. LAP.
4. CONCRETE COVER OVER REINFORCING STEEL:
   FOOTINGS 3"
5. FILL (SOIL) SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY.
6. ALL COMPONENT OF THIS STRUCTURE HAVE BEEN DESIGNED & SELECTED TO WITHSTAND WIND FORCES OF THE FLORIDA BUILDING CODE 2020 EDITION PER WIND LOAD COMPLIANCE.
7. WINDOW AND DOOR ASSEMBLY COMPONENTS TO BE CERTIFIED BY MANUFACTURER FOR WIND FORCES OF THE FLORIDA BUILDING CODE 2020 EDITION PER WIND LOAD COMPLIANCE DESIGN PRESSURES.
8. FOR METHOD OF ATTACHMENT FOR DOORS AND WINDOWS, SEE PRODUCT REVIEW AFFIDAVIT.
9. ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED PER SECTION 2303.1.9.1 OF THE FLORIDA BUILDING CODE.

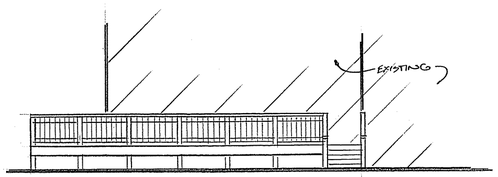
NOTE: ALL SIMPSON STRONG TIE PRODUCTS IN CONTACT WITH TREATED LUMBER SHALL HAVE A MINIMUM Z-MAX COATING OR BETTER.



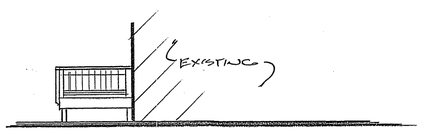
RIGHT SIDE ELEVATION
1/8"



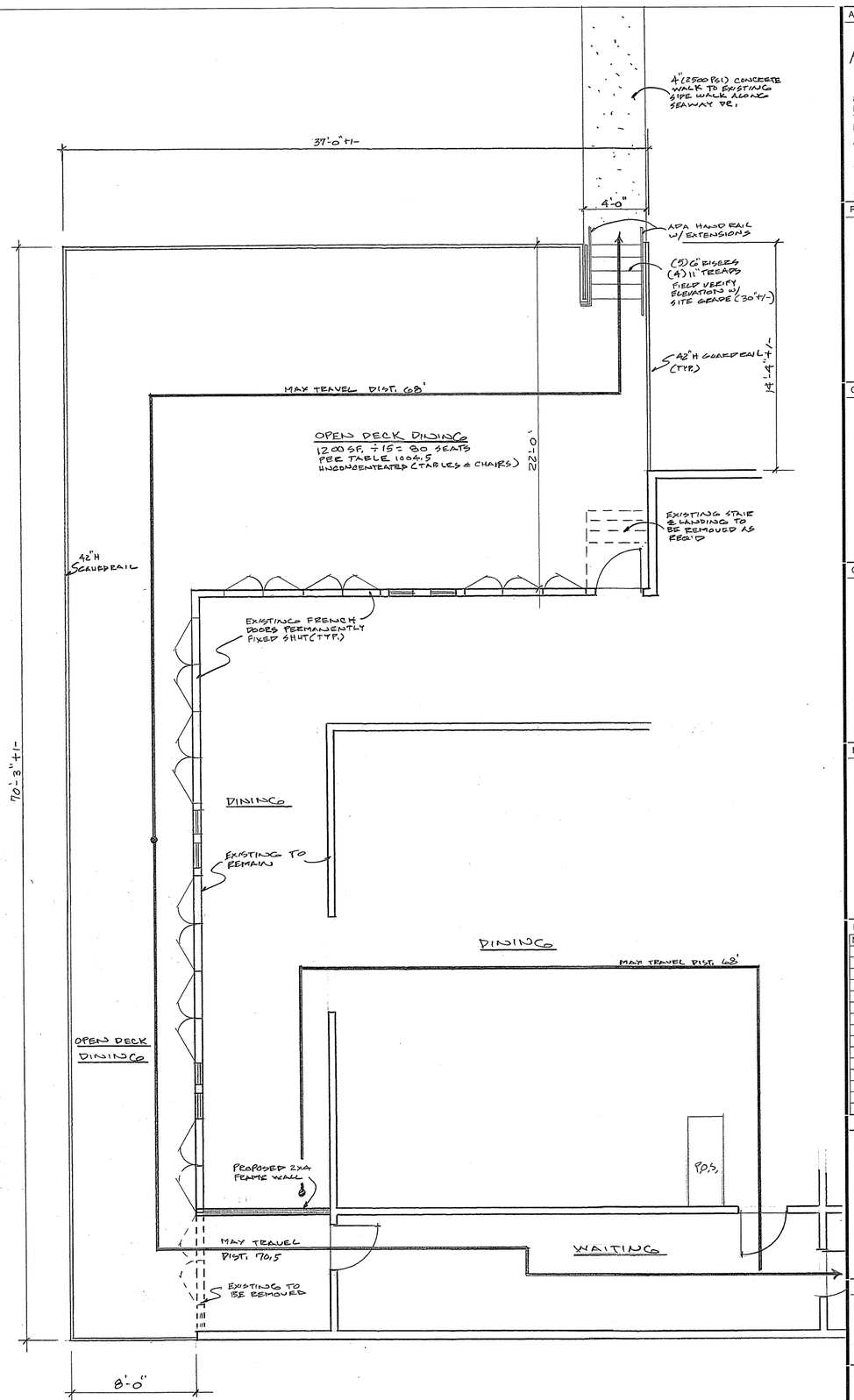
LEFT SIDE ELEVATION
1/8"



REAR ELEVATION
1/8"



FRONT ELEVATION
1/8"



FLOOR PLAN
1/4"

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PROJECT

CAPTAIN'S GALLEY
DECK
FT. PIERCE, FLORIDA

CLIENT

CONSULTANTS

REGISTRATION

M. SEAL

MICHAEL J. SEAL, AIA
AR96898

REVISIONS

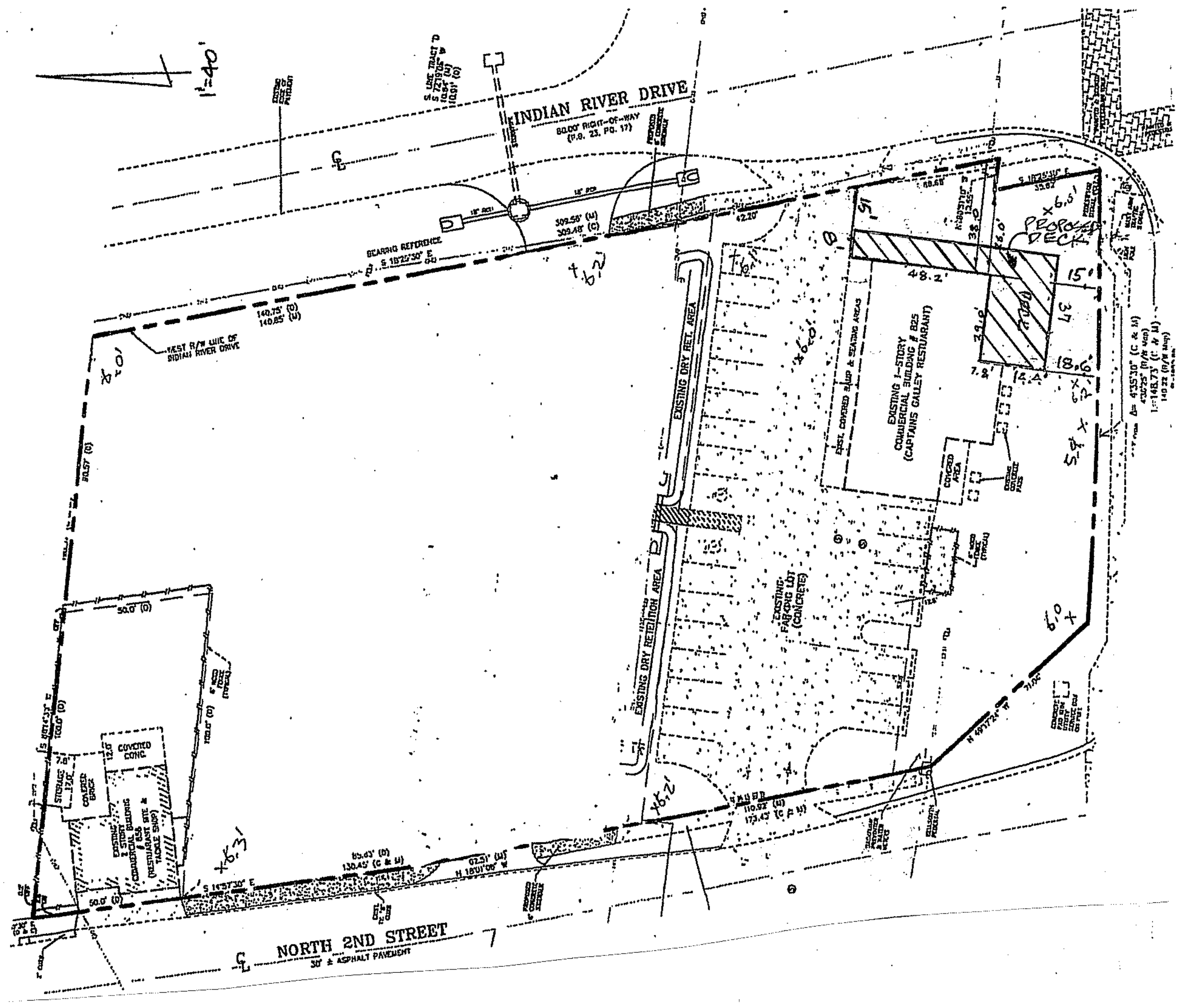
NO.	DATE	REVISION

KEY PLAN

SHEET TITLE / SHEET NUMBER

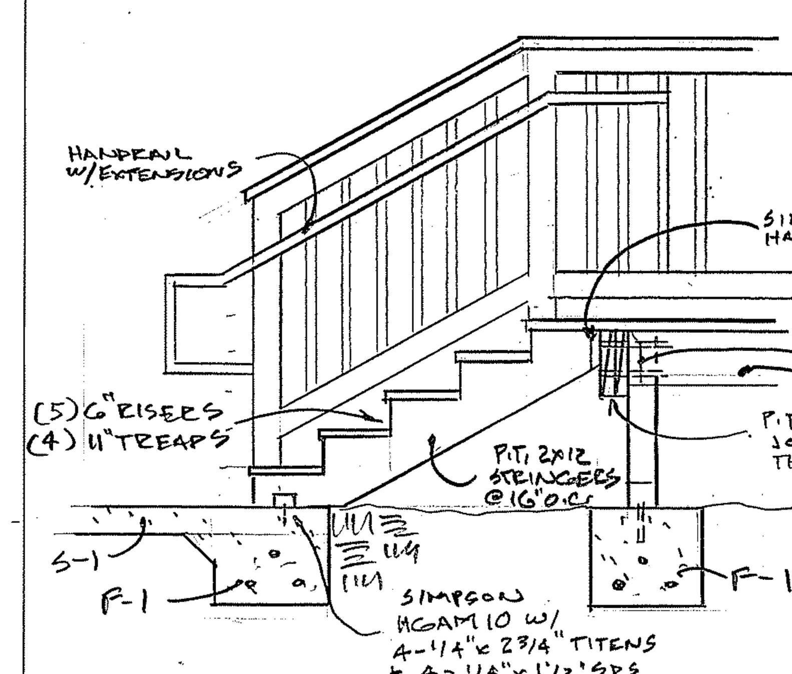
A-1 OF 2

PROJECT NUMBER C21026
DATE 9/14/21
PERMIT

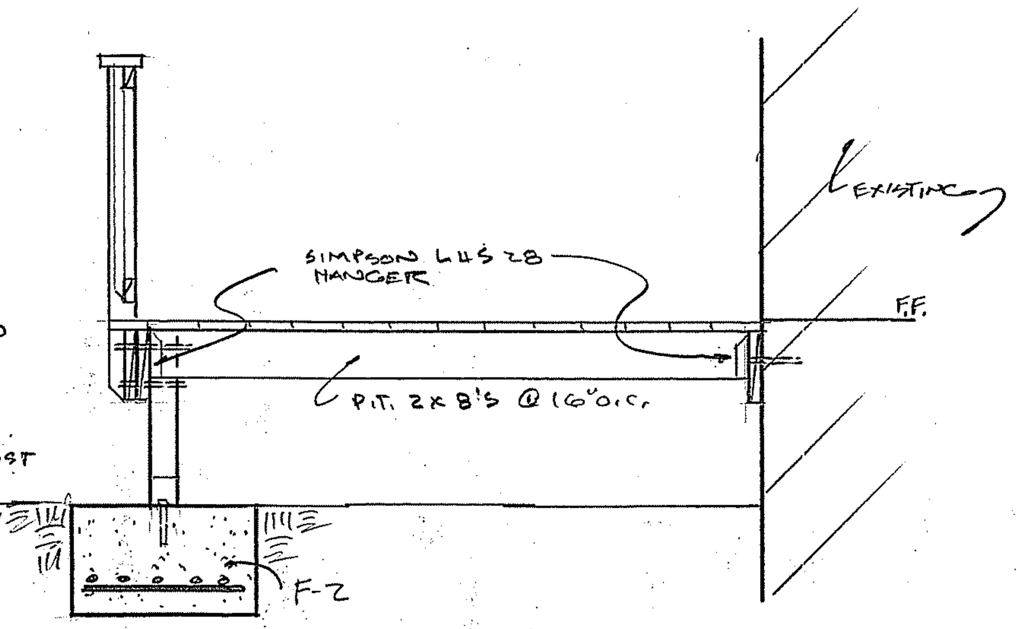


PLOT PLAN

INFORMATION TAKEN FROM SURVEY PROVIDED BY OWNER 1"=40'



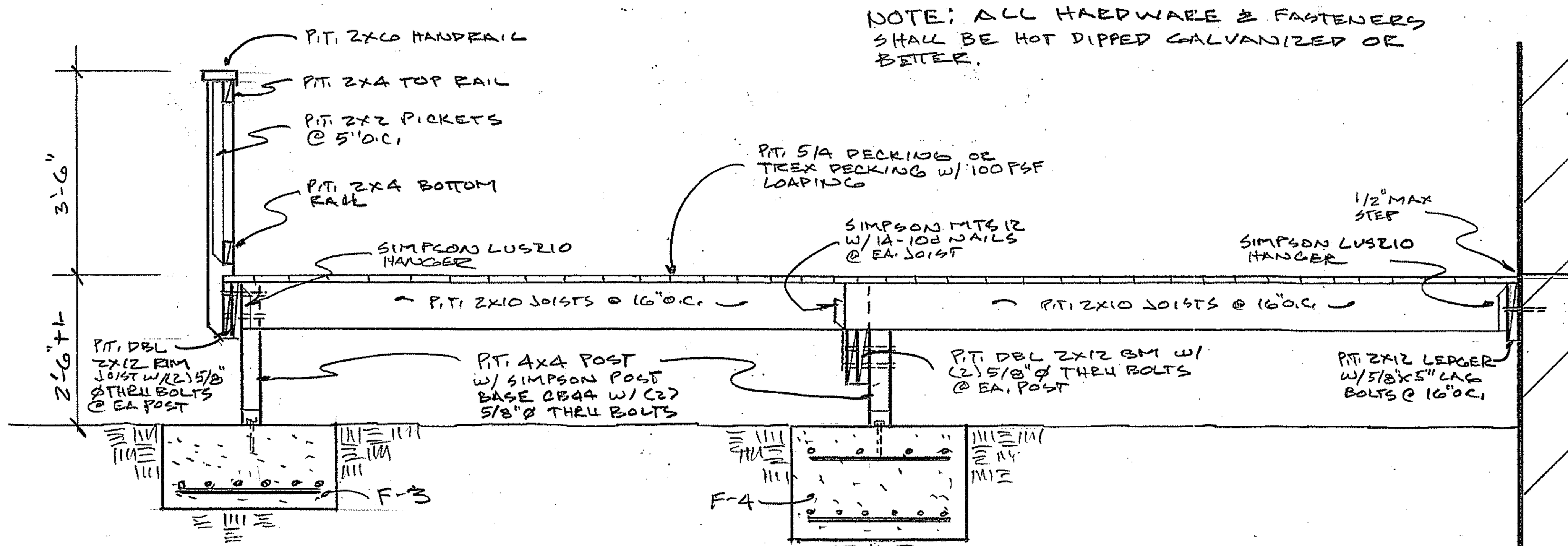
STAIR SECTION 1/2"



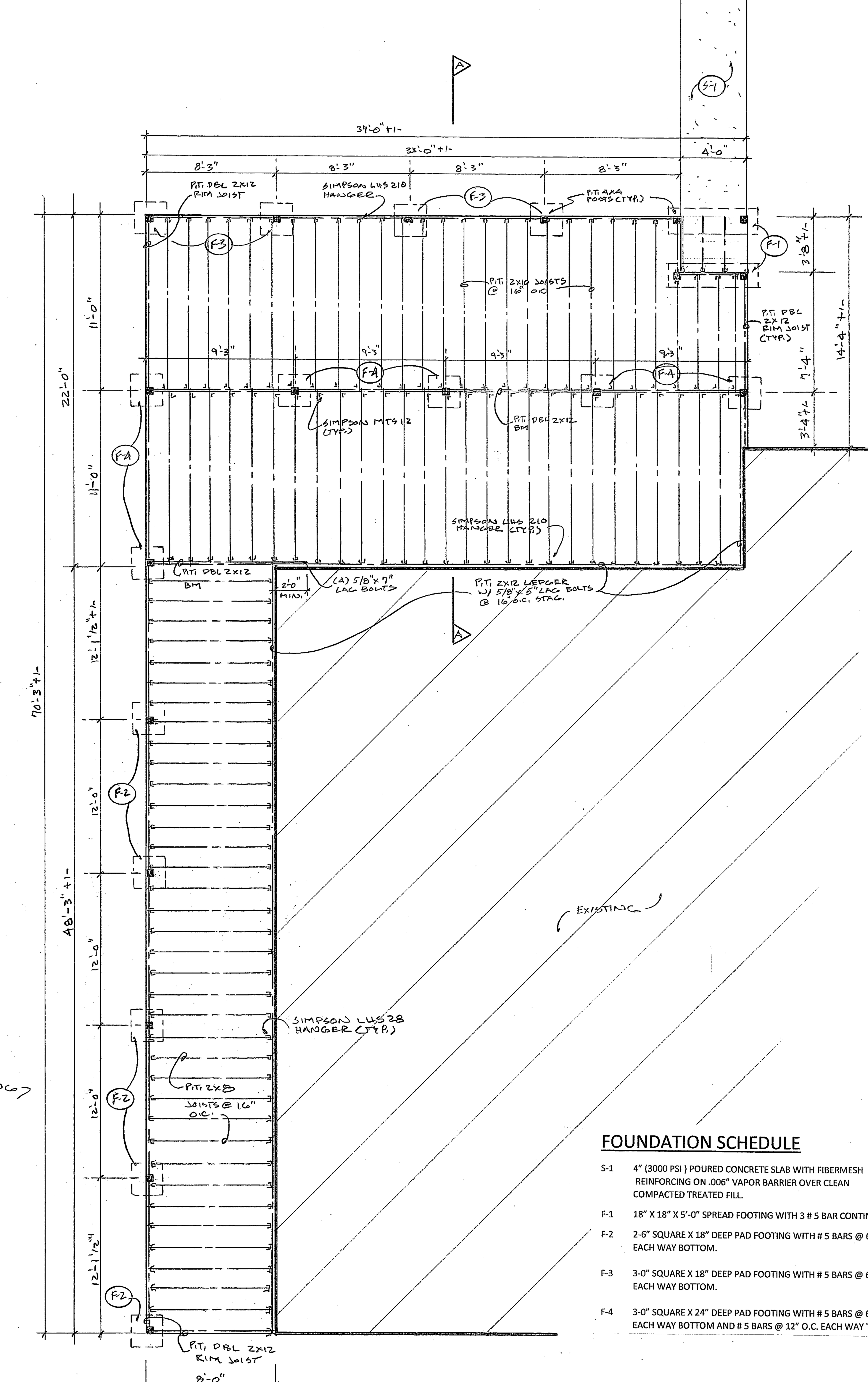
NOTE: FOR ADDITIONAL INFORMATION SEE SECTION A

SECTION B 1/2"

NOTE: ALL HARDWARE & FASTENERS SHALL BE HOT DIPPED GALVANIZED OR BETTER.



SECTION A 1/2"



FOUNDATION SCHEDULE

S-1	4" (3000 PSI) POURED CONCRETE SLAB WITH FIBERMESH REINFORCING ON .006" VAPOR BARRIER OVER CLEAN COMPACTED TREATED FILL.
F-1	18" X 18" X 5'-0" SPREAD FOOTING WITH 3 # 5 BAR CONTINUOUS.
F-2	2-6" SQUARE X 18" DEEP PAD FOOTING WITH # 5 BARS @ 6" O.C. EACH WAY BOTTOM.
F-3	3-0" SQUARE X 18" DEEP PAD FOOTING WITH # 5 BARS @ 6" O.C. EACH WAY BOTTOM.
F-4	3-0" SQUARE X 24" DEEP PAD FOOTING WITH # 5 BARS @ 6" O.C. EACH WAY BOTTOM AND # 5 BARS @ 12" O.C. EACH WAY TOP.

FRAMING / FOUNDATION PLAN 1/4"

ARCHITECT

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