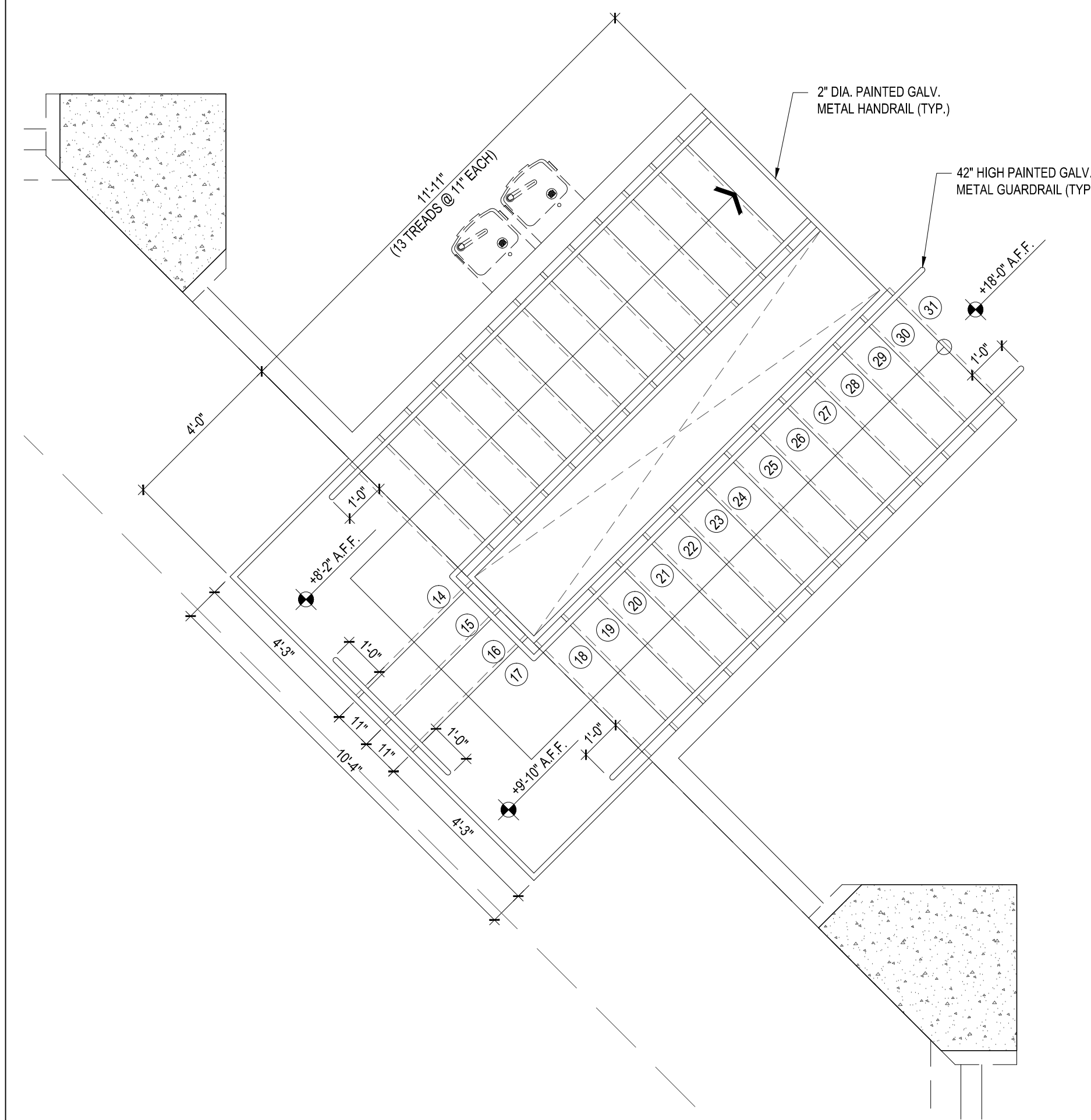
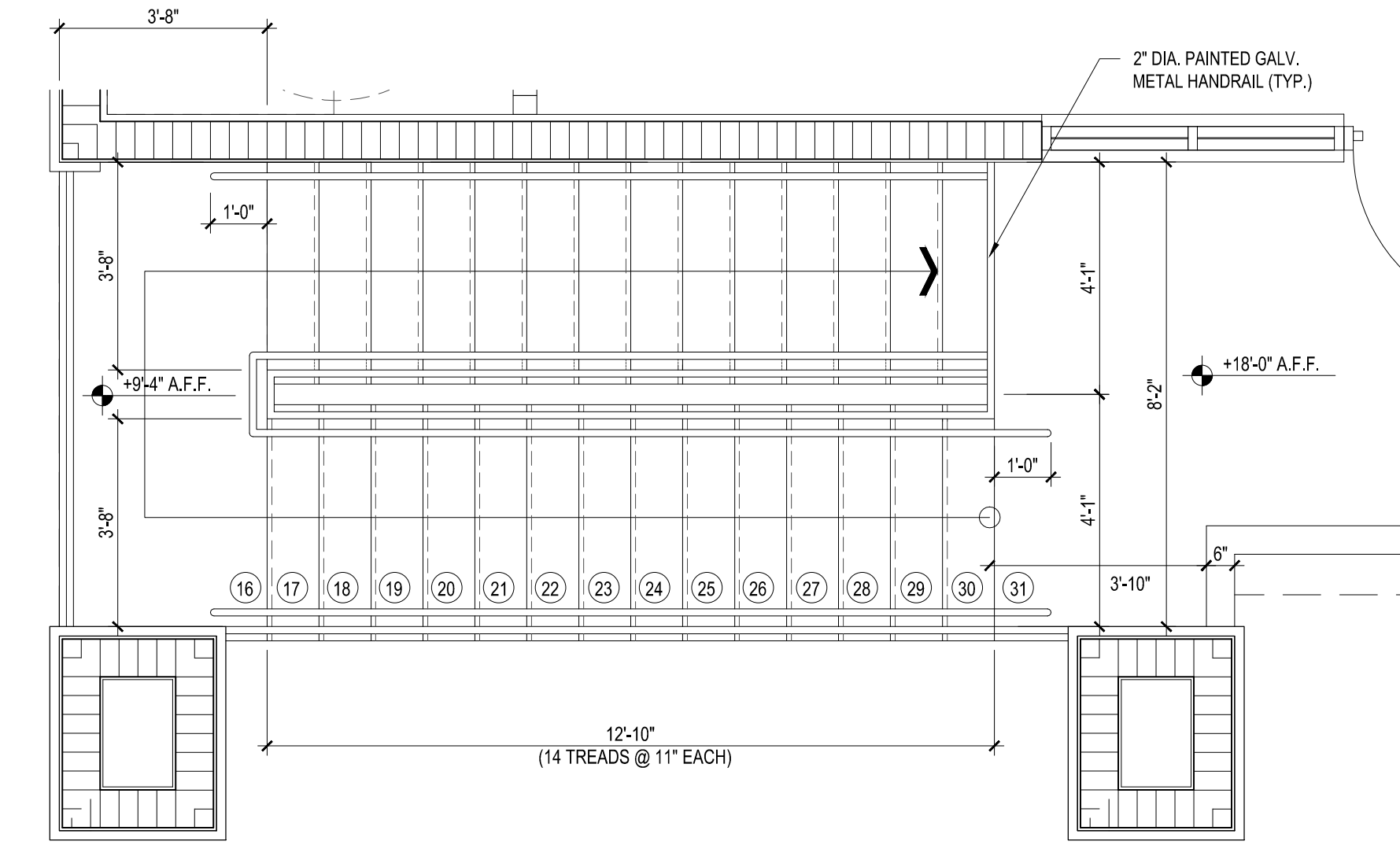


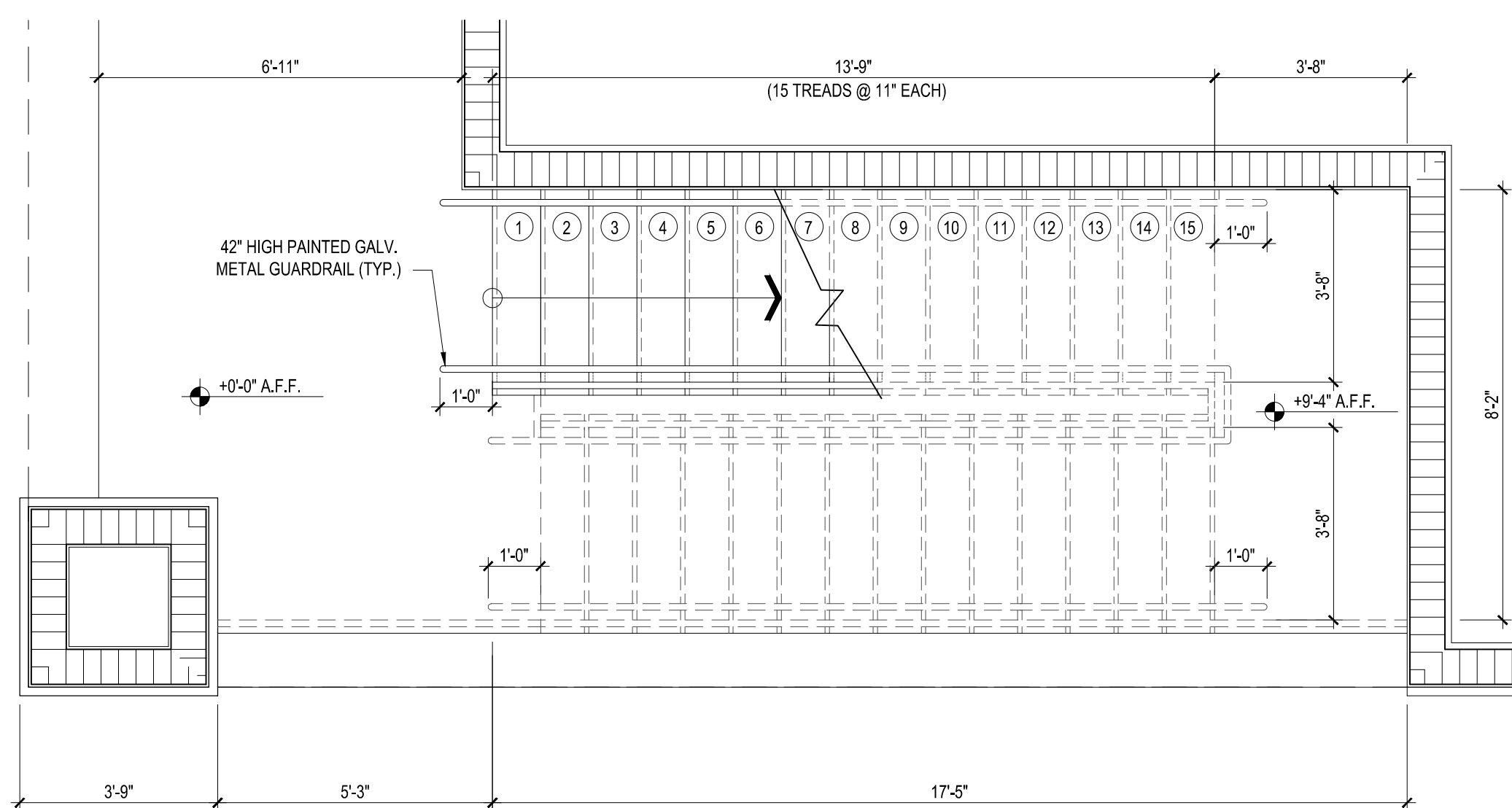
2 ENLARGED STAIR #3 SECOND FLOOR PLAN
3/8"=1'-0"



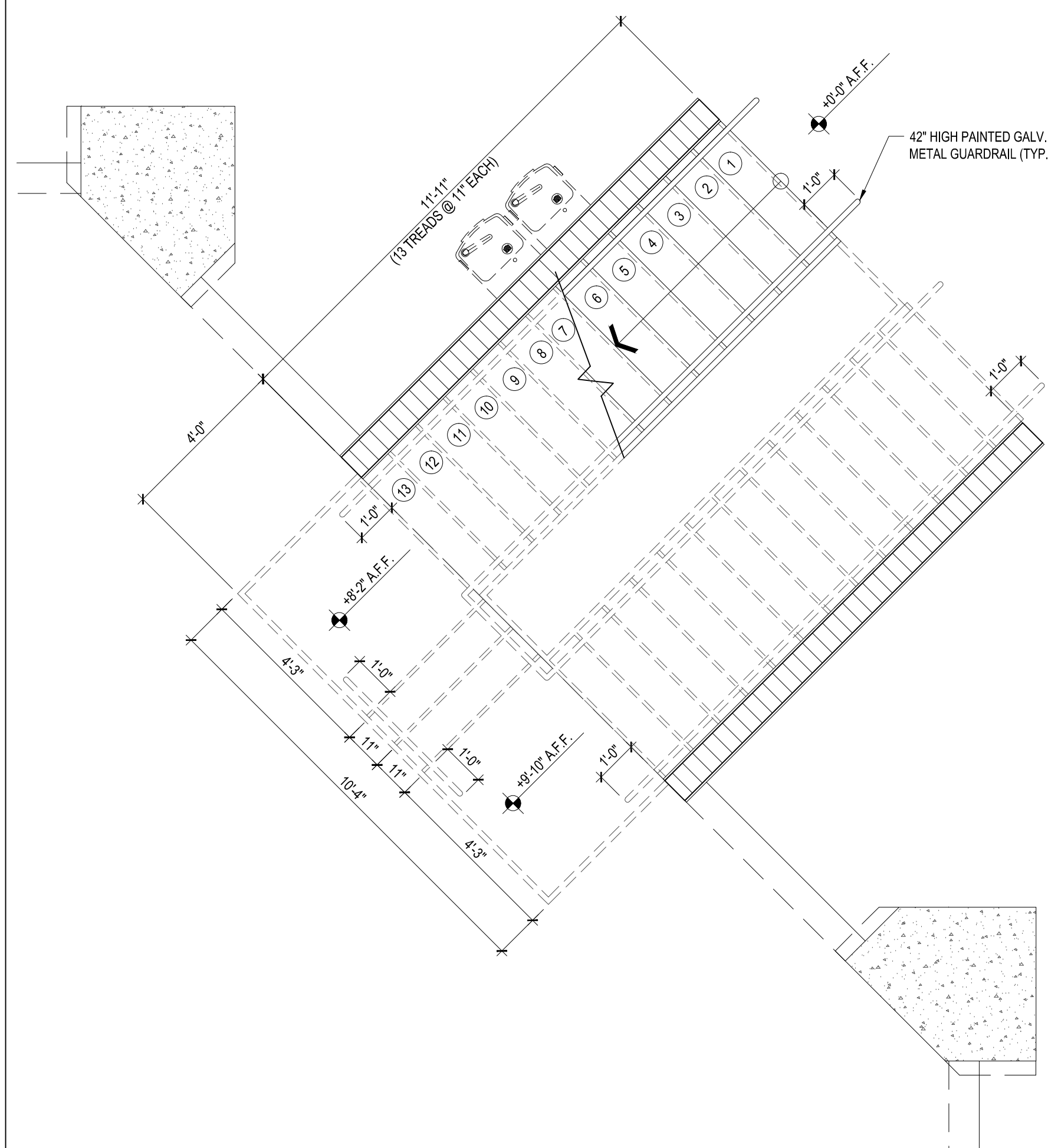
4 ENLARGED STAIR #2 SECOND FLOOR PLAN
3/8"=1'-0"



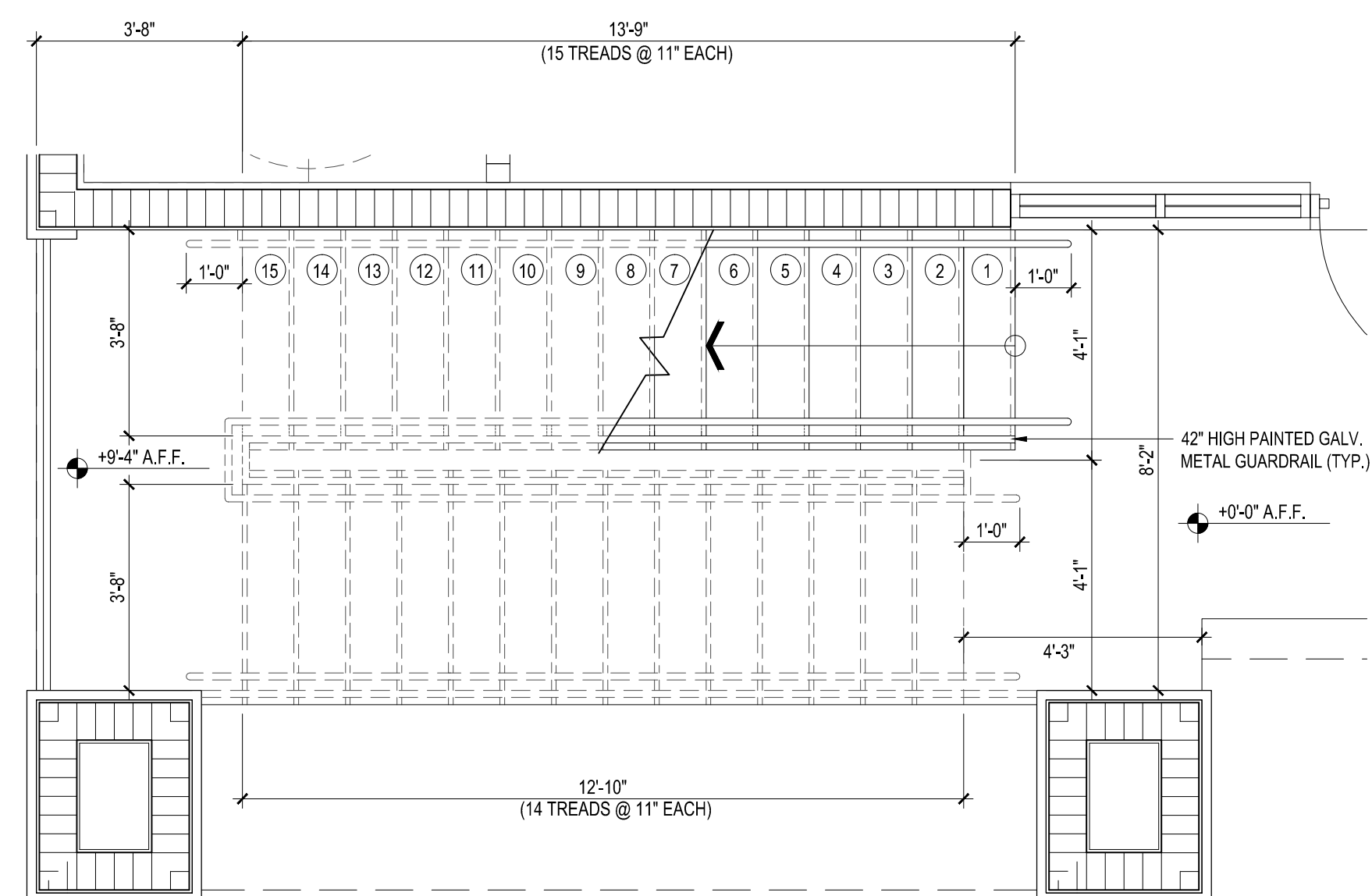
6 ENLARGED STAIR #2 SECOND FLOOR PLAN
3/8"=1'-0"



1 ENLARGED STAIR #3 FIRST FLOOR PLAN
3/8"=1'-0"



3 ENLARGED STAIR #2 FIRST FLOOR PLAN
3/8"=1'-0"



5 ENLARGED STAIR #1 FIRST FLOOR PLAN
3/8"=1'-0"

REV	DATE	DESCRIPTION

DESIGN
DELIVERABLE: PERMIT SET
ISSUE DATE: 05-11-16

PROJECT NUMBER: 1177 - 150203

DRAWN BY: FC

CHECKED BY: JS

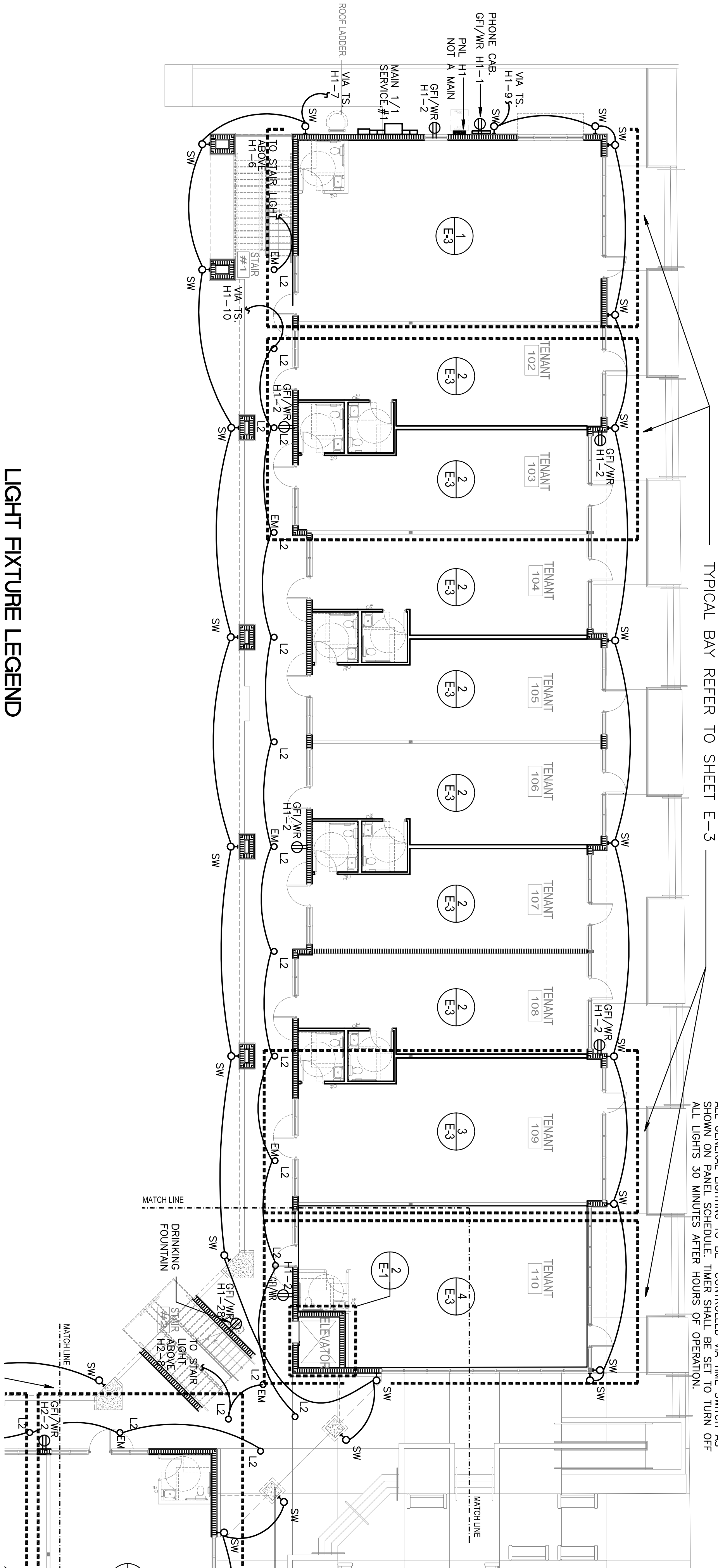
Copyright © by SYNALOVSKI ROMANIK SAYE, LLC
All Rights Reserved.

SHEET TITLE:
**ENLARGED
STAIR PLANS**

SHEET NUMBER:

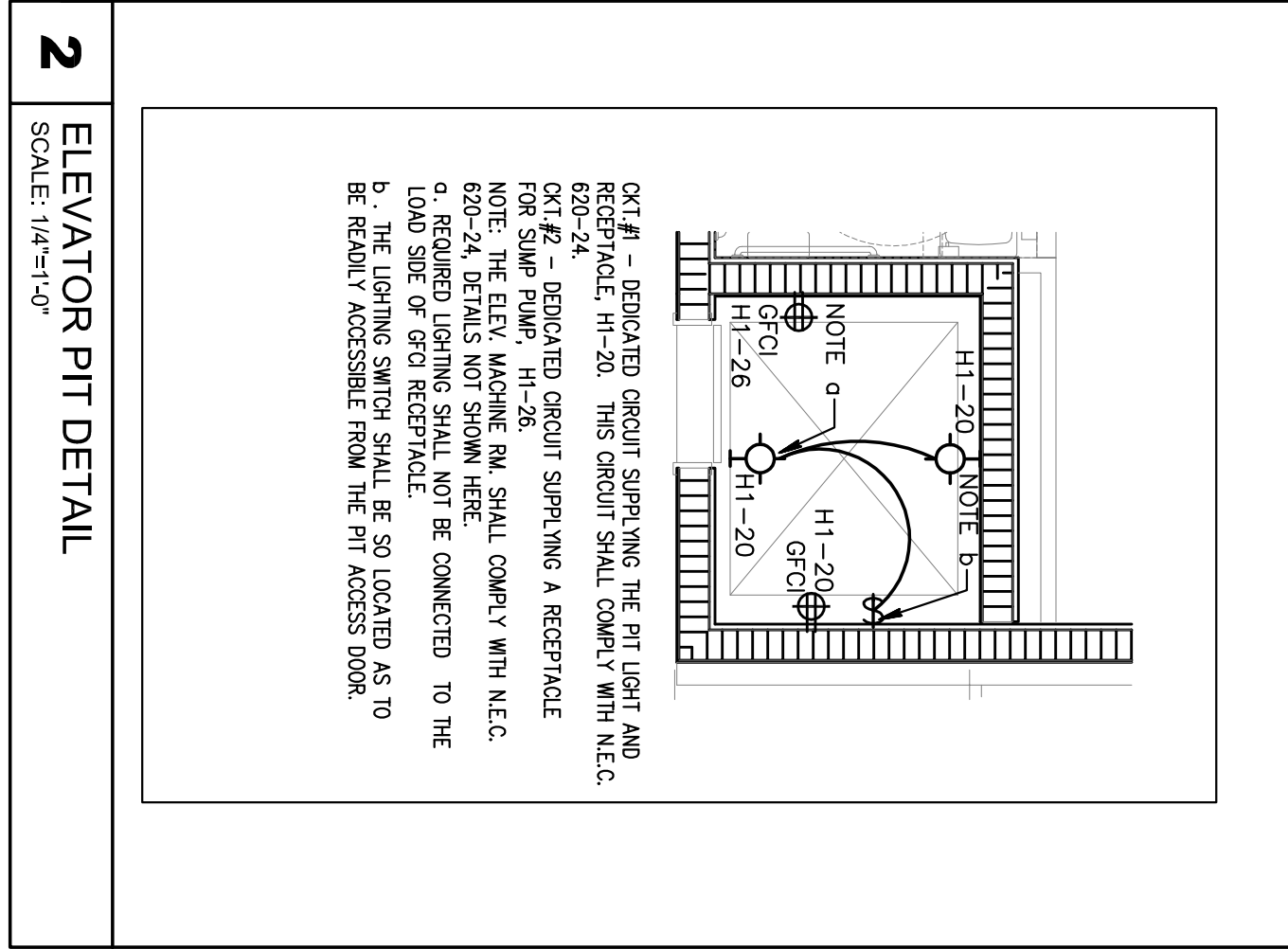
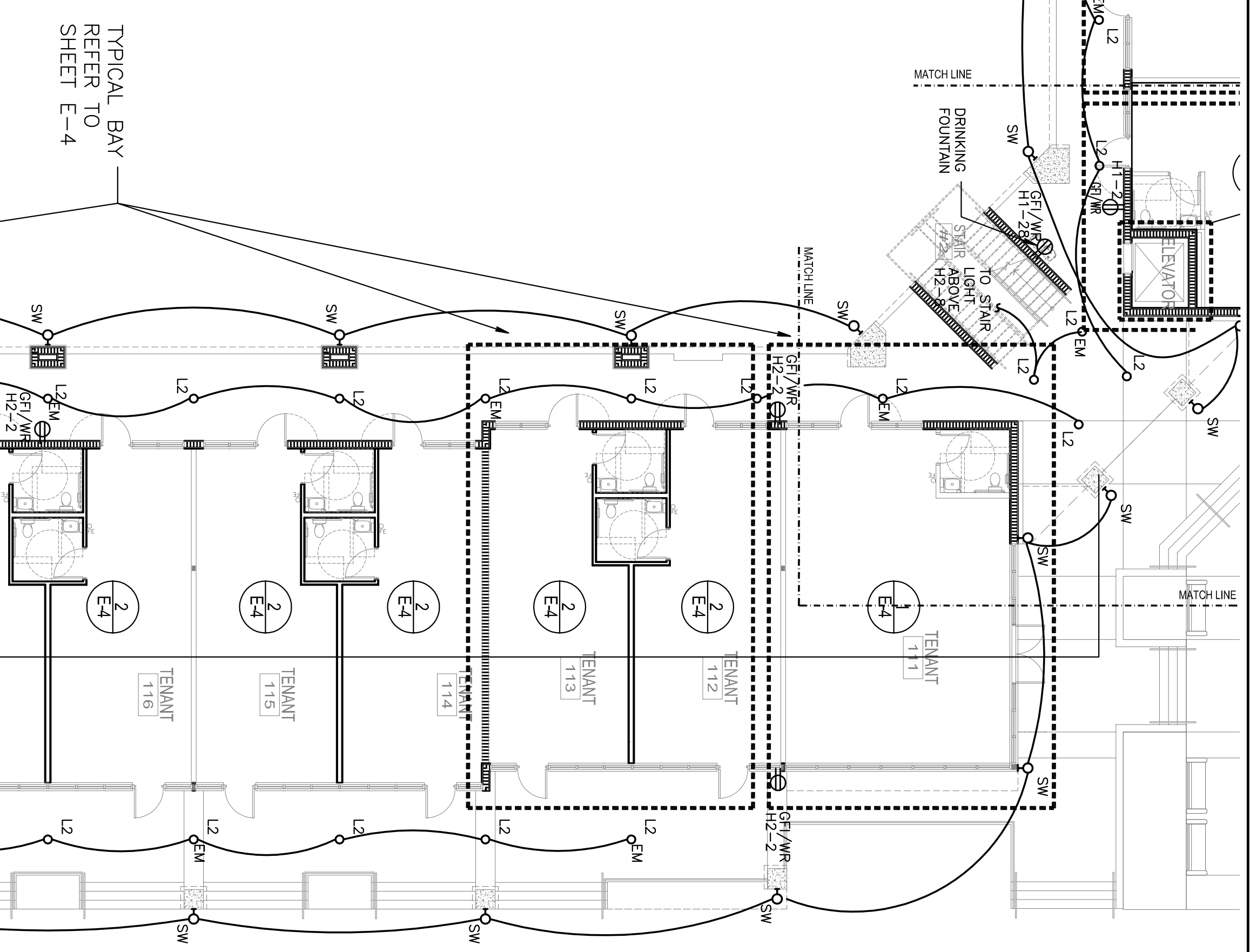
A-302

1 ELECTRICAL FIRST FLOOR OVERALL PLAN
SCALE: 3/32"=1'-0"



EM- DENOTE LIGHT FIXTURE WITH EMERGENCY BATTERY BACK UP 90 MINUTES MINIMUM BATTERY.
NOTE: EM TO BE CONNECTED AHEAD OF LIGHTING SWITCHES AND TIEER TO LOCAL AREA GENERAL LIGHT CIRCUIT.
ALL GENERAL LIGHTING TO BE CONTROLLED VIA THE SWITCH AS SHOWN ON PANEL SCHEDULE. TIMERS SHALL BE SET TO TURN OFF ALL LIGHTS 30 MINUTES AFTER HOURS OF OPERATION.

SYMBOL	TYPE	DESCRIPTION
	2X4 FLUORESCENT LIGHT	H/E WILLIAMS OR EQUAL DIS-2X4-225-PR-62Z LAMP TYPE: T32/100/83MS
	1/18W QUAD PL COMPACT FLUORESCENT 4.5" DIA LOW BAY/REFLECTOR SPECULAR REFLECTOR W/O OPEN BOTTOM	H/E WILLIAMS OR EQUAL P/4.5-118Q-120-EB WATTS: 20 LAMP TYPE: GPJ018W62Q/035
	WALL MOUNT FIXTURE	BETA-CALCO 32-5166
	SUSPENDED 4 STRIP LIGHT	DAYBRITE LAMP TYPE: T32SWT8
	WALL MOUNT VANT/LIGHT	DAYBRITE LAMP TYPE: W623P/06JUN/41ZEB
	EMERGENCY LIGHT	BECHTEL TALED-SEJUN-VAT
	EXIT SIGN EMERGENCY LIGHT CONVIANTION	BECHTEL PCH-SAR
	EXIT SIGN WITH BATTERY	BECHTEL PK-R-5A



engineering inc

1800 Deer Drive, Suite 500
Fort Lauderdale, FL 33316
T 954.961.6805
F 954.961.6807
www.synalovsk.com

Signature _____ Date _____

Anatolis Rodriguez, P.E.
License Number 602268
CA 2039

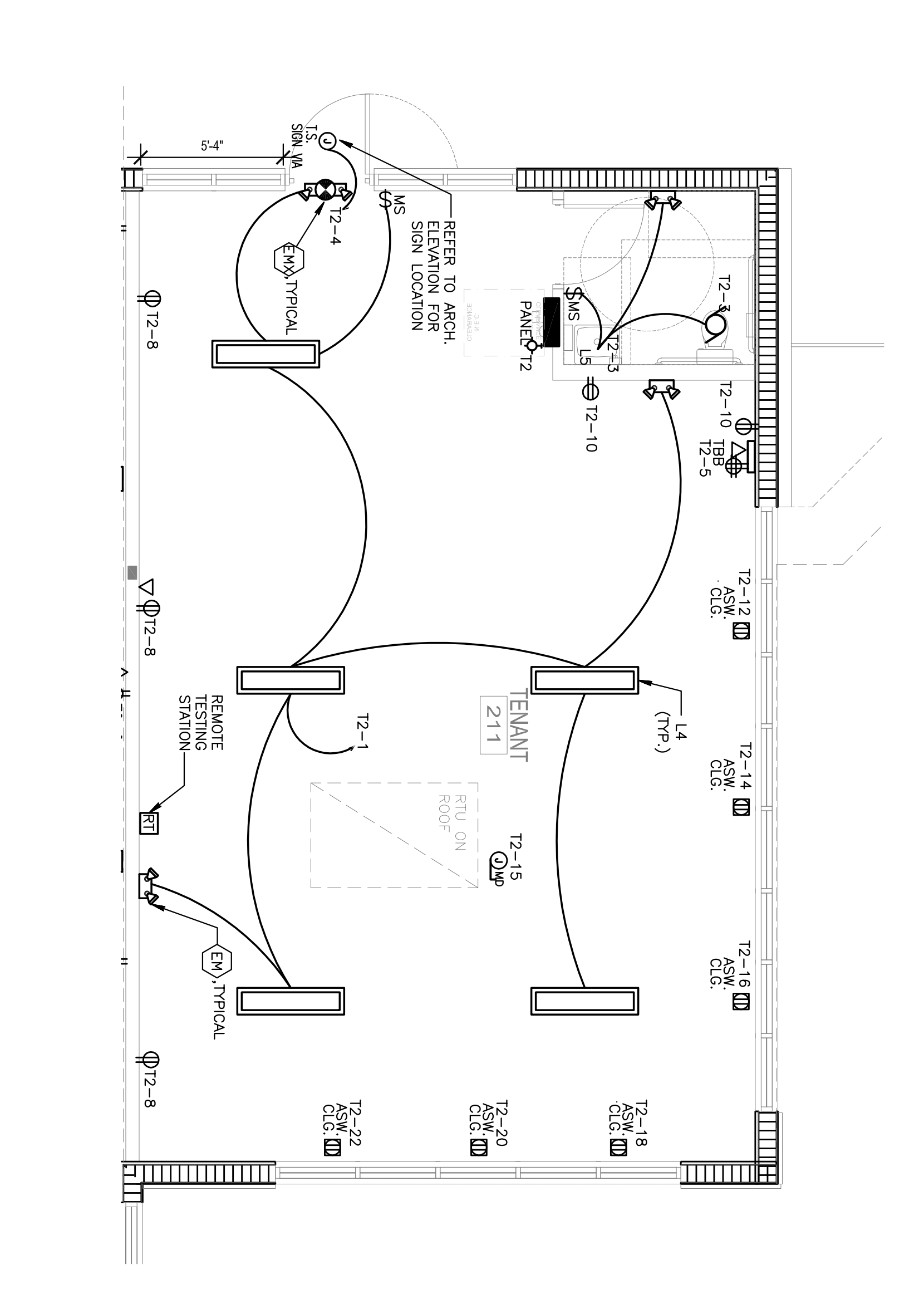
SRS
SYNALOVSK ROMANIK SYLVE
Architects • Engineers • Interior Design

1800 Deer Drive, Suite 500
Fort Lauderdale, FL 33316
T 954.961.6805
F 954.961.6807
www.synalovsk.com

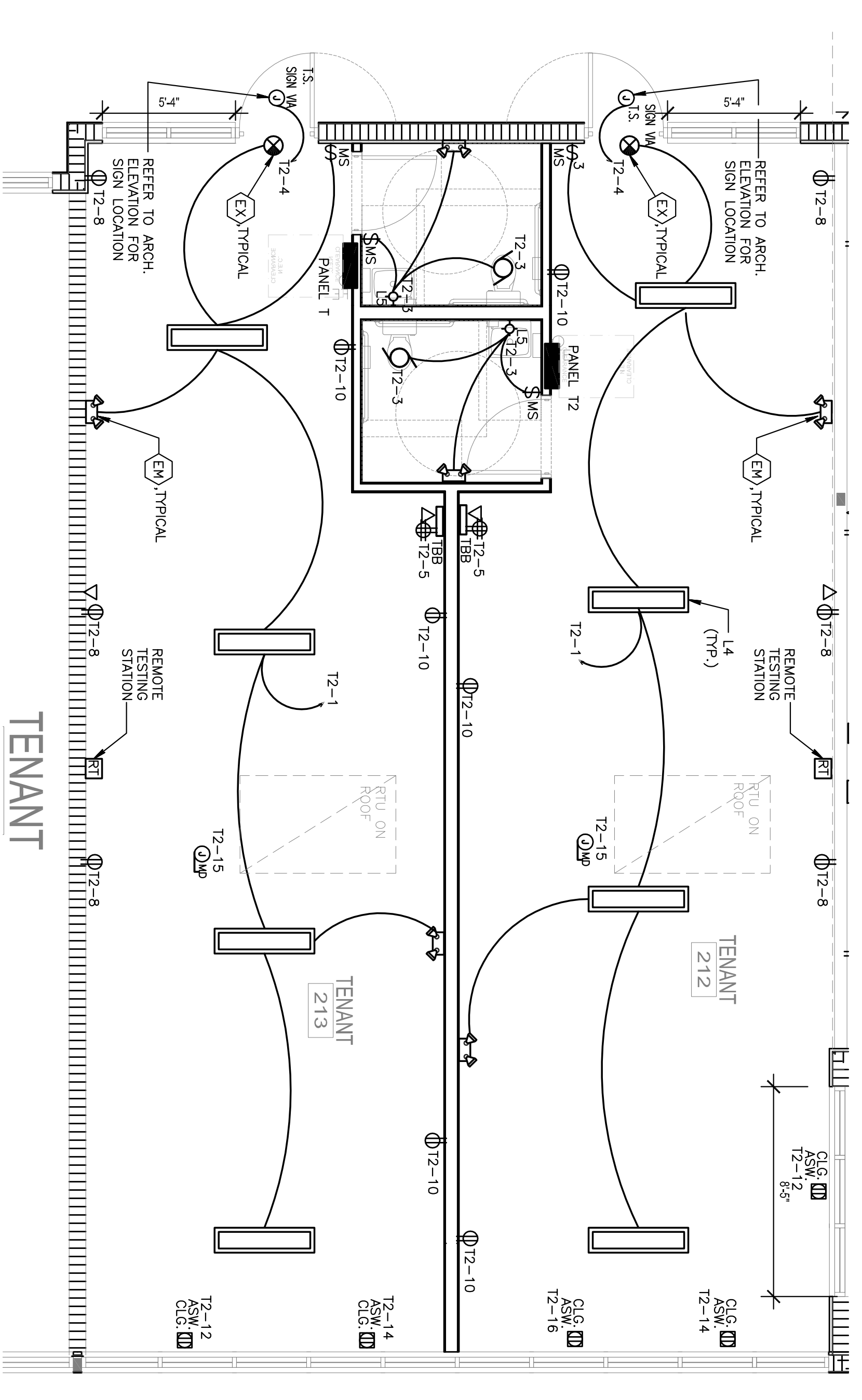
VILLAGE AT ATLANTIC SHORES
801 N. FEDERAL HIGHWAY
HALLANDALE BEACH, FL

CLIENT: ATLANTIC VILLAGE 1, LLC.

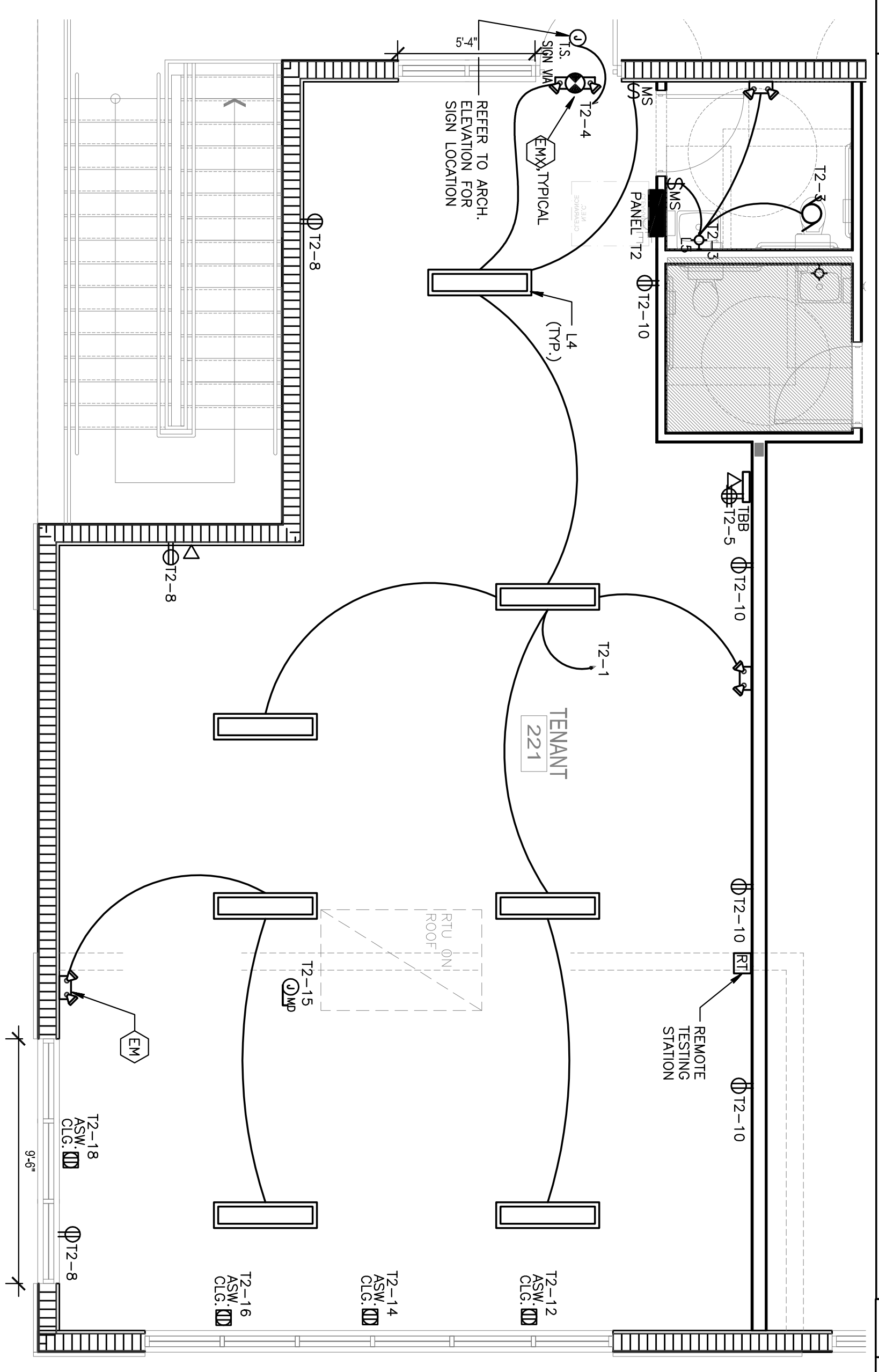
PROJECT NUMBER: 1177 - 150203
DRAWN BY: A.R.
CHECKED BY: A.R.
DESIGN DELIVERABLE: PERMIT SET
ISSUE DATE: 05-11-16



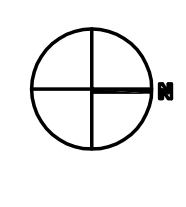
1 ELECTRICAL SECOND FLOOR PLAN - TYPICAL BAYS 211
SCALE: 1/4"=1'-0"



2 ELECTRICAL SECOND FLOOR PLAN - TYPICAL BAYS 212, 213, 214, 215, 216, 217, 218, 219, 220
SCALE: 1/4"=1'-0"



3 ELECTRICAL SECOND FLOOR PLAN - TYPICAL 221
SCALE: 1/4"=1'-0"



engineering inc
Gables International Plaza
2665 Le Jeune Road, Suite 1109
Coral Gables, Florida 33134
Tel: 305.444.9827
Fax: 305.444.9827

Amante Rodriguez, P.E.
License Number 60236
C.A. 2009

Signature _____
Date _____

JOB # 16-0402

SYNOPSIS
DELIVERABLE: PERMIT SET
ISSUE DATE: 05-11-16

PROJECT NUMBER: 1177 - 150203
DRAWN BY: A.R.
CHECKED BY: A.R.

Copyright © by SYNOPSIS ROMANIK SVE, LLC
SHEET TITLE: E-6

VILLAGE AT ATLANTIC SHORES
801 N. FEDERAL HIGHWAY
HALLANDALE BEACH, FL

CLIENT: ATLANTIC VILLAGE 1, LLC.

SR5
SYNOPSIS ROMANIK SVE
Architect • Planner • Interior Design

1800 Elber Drive, Suite 500
Fort Lauderdale, FL 33316
T 954.961.6806
F 954.961.6807
www.synopsisd.com

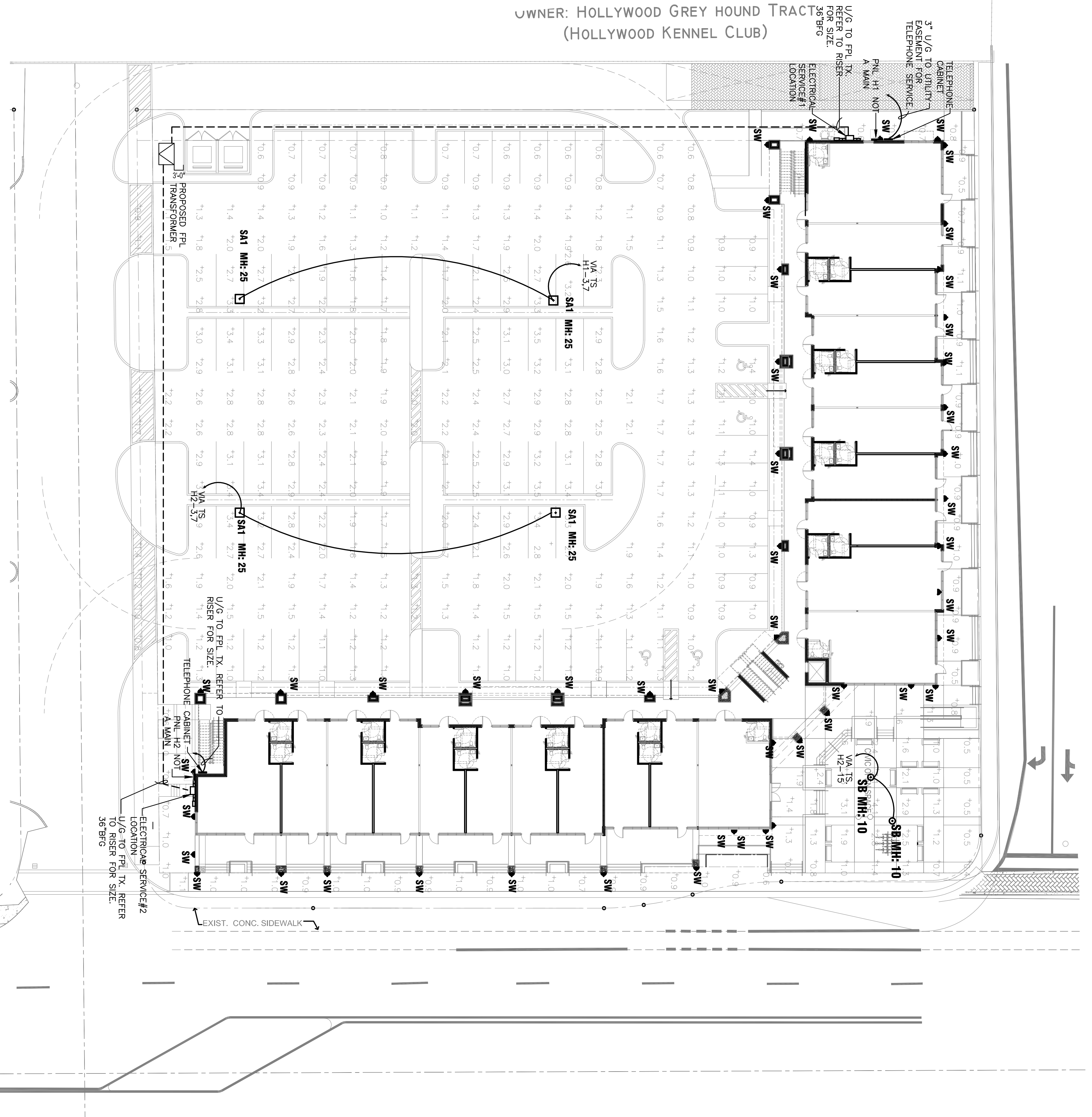
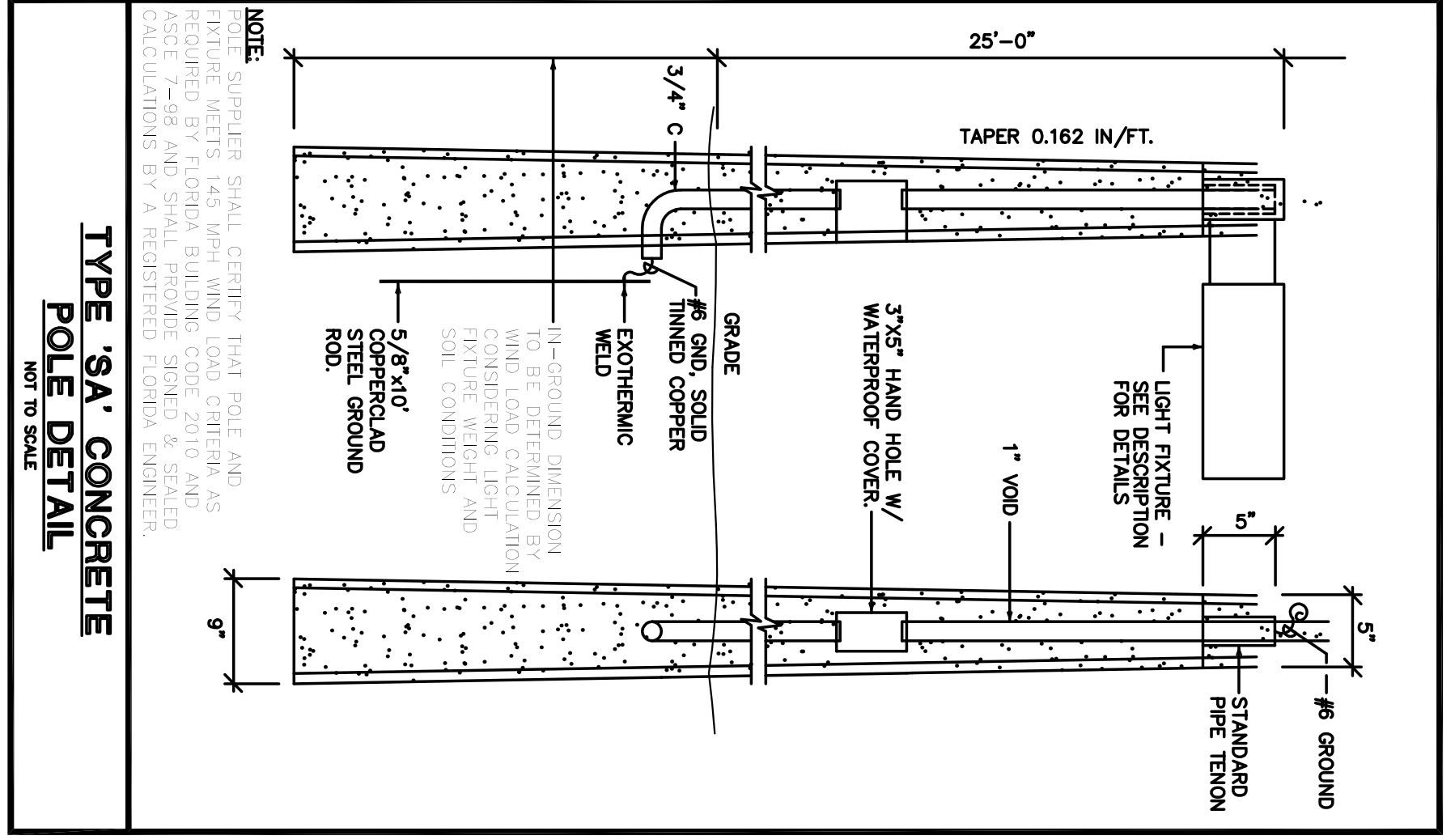
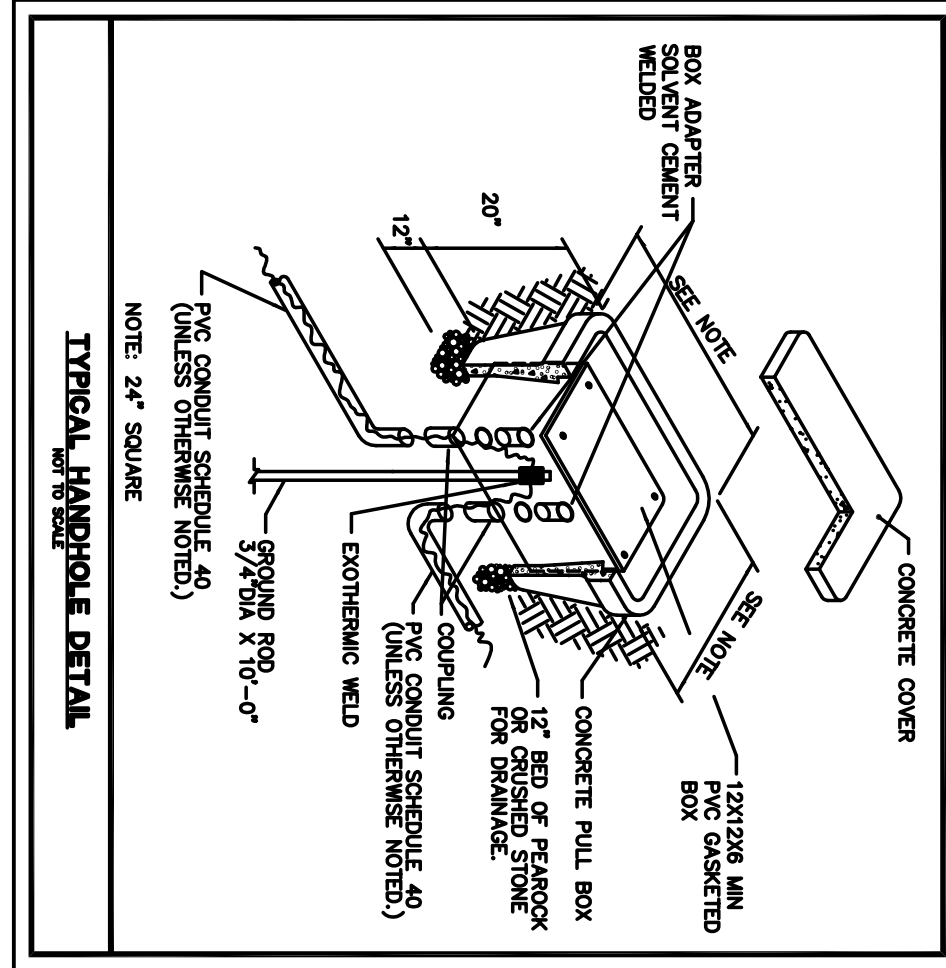
Manuel Syniowski, AIA
AS 0011688
SEAL

LICENSE NO. AA2601963

1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'

Calculation Summary						
Project: VILLAGE AT ATLANTIC SHORES HALLANDALE BEACH, FL - SITE - REV1 --- DEC - 10 - 2015						
Label	Qty	Max	Min	Avg/Typ	Max/Min	
PARKING	1,80	5.3	0.6	3.00	5.83	
SIDEWALK AND CURB SPACE	1,21	4.1	0.4	3.03	16.26	

Luminaire Schedule						
Project: VILLAGE AT ATLANTIC SHORES HALLANDALE BEACH, FL - SITE - REV1 --- DEC - 10 - 2015						
Symbol	Label	Description	Luminaire/Type	LF	Lum. Watts	Total Watts
	SA1	VISUALIZE VLA-1-TW-98LC-2-4K-4W POLE MOUNT 2'9" A.F.D.	N.A.	0.810	215	880
	SB	LUMINAIS SCURPE C128-100W LIGHT COLUMN 19" A.F.D.	N.A.	0.810	100	200
	SW	REF-CALC 32-5166	N.A.	0.810	32	1632



OWNER: HOLLYWOOD GREY HOUND TRACT (HOLLYWOOD KENNEL CLUB)

engineering inc
Gaines International Plaza 1109
2000 University Blvd.
Coral Gables, Florida 33134
Phone > 305 444 9809
Fax > 305 444 9827
www.eng-inc.com

Signature _____
Date _____

Job # 16-0402
Anatolis Rodriguez, P.E.
License Number 60238
C.A. 2009

ES-1

SHEET NUMBER:

REV	DATE	DESCRIPTION
1	05-11-16	ISSUE FOR PERMIT
2	05-11-16	ISSUE FOR PERMIT
3	05-11-16	ISSUE FOR PERMIT

DESIGN DELIVERABLE: PERMIT SET
ISSUE DATE: 05-11-16

PROJECT NUMBER: 1177 - 150203
DRAWN BY: A.R.
CHECKED BY: A.R.
Copyright © 2016 SYNALOVSKI ROMANIKS/AVE. ALL RIGHTS RESERVED.

VILLAGE AT ATLANTIC SHORES
801 N. FEDERAL HIGHWAY
HALLANDALE BEACH, FL
CLIENT: ATLANTIC VILLAGE 1, LLC.

LICENSE NO. AA26001863

Manuel Synalovski, AIA
AIA 0111829
SCAL

SYNALOVSKI ROMANIKS/AVE
Architects • Planners • Interior Design

1800 Eber Drive, Suite 500
Fort Lauderdale, FL 33316
T 954.961.6806
F 954.961.6807
www.synalovski.com

1 MECHANICAL SCHEDULES AND NOTES
SCALE: N.T.S.

IAQ - VENTILATION DESIGN CRITERIA				
AREA SERVED	DESIGN OCCUPANCY AREA	VENTILATION RATE CFM/SQFT	VENTILATION RATE CFM/PERSON	VENTILATION REQUIRE CFM
AC #1	17 PEOPLE 1180 SQFT	0.12	7.5	289
AC #2	10 PEOPLE 660 SQFT	0.12	7.5	154
AC #3	10 PEOPLE 660 SQFT	0.12	7.5	154
AC #4	8 PEOPLE 530 SQFT	0.12	7.5	123
AC #5	8 PEOPLE 530 SQFT	0.12	7.5	123
AC #6	12 PEOPLE 819 SQFT	0.12	7.5	187
AC #7	12 PEOPLE 819 SQFT	0.12	7.5	187
AC #8	17 PEOPLE 1185 SQFT	0.12	7.5	289
AC #9	10 PEOPLE 660 SQFT	0.12	7.5	154
AC #10	10 PEOPLE 660 SQFT	0.12	7.5	154
AC #11	13 PEOPLE 890 SQFT	0.12	7.5	204
AC #12	12 PEOPLE 780 SQFT	0.12	7.5	185

SPLIT A/C UNIT SCHEDULE									
UNIT DESIGNATION	AHU #1 (1 UNIT)	AHU #2 (8 UNITS)	AHU #3 (3 UNITS)	AHU #4 (9 UNITS)					
LOCATION	BAY 101	102,103,104,105,106,107,108,121	109,110,111	BAY 102,113,114,115,116,117,118,119,120					
DESIGN MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER					
MODEL NO.	FAKMN781	FAKMN707	FAKMN749	FAKMN705					
SER / SEER	13.5 /	14.5 /	14.5 /	14.5 /					
TOTAL AER. CFM (NOMINAL)	2000	1320	1600	800					
EXT. STATIC PRESS. INCHES OF H2O	0.4	0.4	0.4	0.4					
FAN MOTOR FLA - HP	6.0 - 3/4	4.1 - 1/2	6.0 - 3/4	2.8 - 1/3					
ELECTRIC HEAT, KW, MCA, MOP	10.0, 53.8, 60	8.0, 44.7, 45	8.0, 44.7, 45	5.0, 26.0, 30					
TOTAL CAPACITY, MMB	58.3	36.2	49.8	24.5					
TOTAL SENSIBLE CAPACITY, MMB	43.4	26.8	39.0	18.8					
ENTERING AIR TEMP. OF DB/WB	80/67	80/67	80/67	80/67					
COIL HEAT (64-8)	---	---	---	---					
ELECTRICAL SERVICE	208-240/1/60	208-240/1/60	208-240/1/60	208-240/1/60					
OPERATING WEIGHT, LBS.	201	157	185	122					
UNIT DIMENSIONS (HxWxD) (IN)	22 X 25 X 59	22 X 21 X 50	22 X 25 X 54	22 X 18 X 50					
UNIT DESIGNATION	CU #1	CU #2	CU #3	CU #4					
DESIGN MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER					
MODEL NO.	24AB390A	24AB35A	24AB34A	24AB32A					
NOMINAL CAPACITY (TONS)	5.0	3.0	4.0	2.0					
TYPE OF FAN	PROPPELLER	PROPPELLER	PROPPELLER	PROPPELLER					
NO. OF FANS, FLA - HP	1, 1.2 & 1/4	1, 1.4 - 1/4	1, 1.4 & 1/4	1, 0.77 - 1/10					
AMBERT AIR TEMP., DB	95°	95°	95°	95°					
CONDENSING TEMP., F DB	---	---	---	---					
NO. OF COMPRESSORS	1/SCROLL	1/SCROLL	1/SCROLL	1/SCROLL					
COMPRESSORS FLA / LBA	26.4 / 13.0	15.3 / 77.0	19.9 / 109.0	13.5 / 83.3					
CAPACITY REDUCTION	---	---	---	---					
MCA/MOP	34.2 / 50	21.5 / 30	26.2 / 40	17.6 / 25					
ELECTRICAL SERVICE	208-240/1/60	208-240/1/60	208-240/1/60	208-240/1/60					
OPERATING WEIGHT, LBS.	190	141	186	110					
UNIT DIMENSIONS (HxWxD) (IN)	32 X 32 X 26	28 X 26 X 33	32 X 32 X 36	23 X 23 X 26					
REF. LINE GAS	1-1/8" R-410A	7/8" R-410A	7/8" R-410A	3/4" R-410A					
REF. LINE LIQUID	3/8"	3/8"	3/8"	3/8"					

- NOTES:**
- DESIGN BASED ON THE VENTILATION RATE PROCEDURE PER F.A.C. MCH. TAB. 40.3.
 - THE DESIGN WILL NEED TO BE RE-EVALUATED IF, AT A LATER TIME, CHANGES OCCUR IN THE USAGE OF THE SPACE, OR IF UNUSUALLY STRONG SOURCES OF SPECIFIC CONTAMINANTS ARE INTRODUCED INTO THE SPACE.

- GENERAL NOTES:**
- ALL MECHANICAL SYSTEMS ARE TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE MFC STANDARDS, ASST. SPECIFICATIONS, THE LOCAL BUILDING CODE, MISC. & REPAIR ORDINANCES, PLANS AND SPECIFICATIONS.
 - ALL MATERIALS SHALL BE NEW AND ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, PRODUCT APPROVAL, RULES AND ORDINANCES. ANY DAMAGED EQUIPMENT SHALL BE REPLACED OR REPAIRED TO ORIGINAL CONDITION.
 - LABOR MATERIALS EQUIPMENT ACCESS RESTRICTIONS TO ORIGINAL CONDITION.
 - ALL LOUVERS, GRILLES, PERMS, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR WITH BENCHMARK COLOR CHART. VERIFY FINISH WITH BENCHMARK COLOR CHART.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE GENERAL CONTRACTOR'S PANELS CONTROL SYSTEMS, PERMS, PERMS AND SERVICES NECESSARY FOR FINISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.
 - ALL LOUVERS, GRILLES, PERMS, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR WITH BENCHMARK COLOR CHART. VERIFY FINISH WITH BENCHMARK COLOR CHART.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE GENERAL CONTRACTOR'S PANELS CONTROL SYSTEMS, PERMS, PERMS AND SERVICES NECESSARY FOR FINISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.
 - ALL LOUVERS, GRILLES, PERMS, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR WITH BENCHMARK COLOR CHART. VERIFY FINISH WITH BENCHMARK COLOR CHART.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE GENERAL CONTRACTOR'S PANELS CONTROL SYSTEMS, PERMS, PERMS AND SERVICES NECESSARY FOR FINISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.
 - ALL LOUVERS, GRILLES, PERMS, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR WITH BENCHMARK COLOR CHART. VERIFY FINISH WITH BENCHMARK COLOR CHART.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE GENERAL CONTRACTOR'S PANELS CONTROL SYSTEMS, PERMS, PERMS AND SERVICES NECESSARY FOR FINISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.
 - ALL LOUVERS, GRILLES, PERMS, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR WITH BENCHMARK COLOR CHART. VERIFY FINISH WITH BENCHMARK COLOR CHART.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE GENERAL CONTRACTOR'S PANELS CONTROL SYSTEMS, PERMS, PERMS AND SERVICES NECESSARY FOR FINISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.
 - ALL LOUVERS, GRILLES, PERMS, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR WITH BENCHMARK COLOR CHART. VERIFY FINISH WITH BENCHMARK COLOR CHART.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE GENERAL CONTRACTOR'S PANELS CONTROL SYSTEMS, PERMS, PERMS AND SERVICES NECESSARY FOR FINISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.

HYAC SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY DUCT
	RETURN/EXHAUST DUCT
	FLEXIBLE DUCT
	ELBOW W/ TURNING VALVES
	REFRIGERANT SUCTION
	LIQUID LINES
	EXHAUST FAN
	DUCT SMOKE DETECTOR
	COOLING THERMOSTAT
	A/B: NECK SIZE
	X: AIR DEVICE TYPE
	SA: SUPPLY AIR
	RA: RETURN AIR
	CFM: CUBIC FEET PER MINUTE
	AHU: AIR HANDLER UNIT
	CU: CONDENSER UNIT
	VD: VOLUME DAMPER
	M: MOTORIZED DAMPER

PACKAGED ROOFTOP AIR CONDITIONING EQUIPMENT SCHEDULE																									
SELECTION BASE ON CARRIER																									
MARK	MODEL	CFM	HEATER	INDOOR FAN	COMPRESSOR	COND. FAN	TOTAL MAX	SYSTEM	ELECTRICAL																
			ESP	HP	FLA/ LBA	NO.	HP	FLA	HP																
RU1#1	50TCA06-3	2000	SEE 5.0	1	1.2 1.5 7/0/--	1	26.2	134.0	1	1.5	1/4	41.3	60	---	208/1/60	61.9	47.7	5.0	80/67	95	13/0	524	34 X 47 X 75	R-410A	201, 221
RU1#2	50TCA04-3	1200	SEE 5.0	1	1.2 1.2 4/9/--	1	16.6	79	1	1.5	1/4	27.3	40	---	208/1/60	34.8	25.1	3.0	80/67	95	13/0	438	34 X 47 X 75	R-410A	207, 208, 212, 207, 214, 215, 216, 217, 218, 219
RU1#3	50TCA05-3	1600	SEE 5.0	1	1.2 1.2 7/0/--	1	21.8	117	1	1.5	1/4	33.7	50	---	208/1/60	44.8	34.6	4.0	80/67	95	13/0	438	34 X 47 X 75	R-410A	209, 210, 211

HYAC DESIGN REQUIRES									
MARK	MODEL	CFM	HEATER	INDOOR FAN	COMPRESSOR	COND. FAN	TOTAL MAX	SYSTEM	ELECTRICAL
DUCT SMOKE DETECTOR									
FIRE DAMPER(S)									
SMOKE DAMPER(S)									
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY									
FIRE STOPPING									
SMOKE CONTROL									

DIFFUSER SCHEDULE									
TYPE	SERVICE	CM RANGE	SIZE	NECK	MANUFACTURER/MODEL				
ⓐ	DUCT MOUNT MOUNTED AIR DIFFUSER	0 - 100	6" - 8"	---	TIUS 250 AA TIUS 250 MA TIUS 250 KA TIUS 250 LA TIUS 250 MA TIUS 250 KA TIUS 250 LA				
ⓑ	DUCT MOUNT RETURN AIR GRILLE (ECCOGRATE)	711 - 1801	1800 - 2424	---	TIUS 50F TIUS 50F				

- NOTES:**
- CONDENSING UNIT LINE VOLTAGE - AIR HANDLER AVAILABLE ONLY IN 208/230-1-60.
 - ALL THERMOSTATS SHALL BE PROGRAMMABLE TYPE.
 - UNITS RATED WITH 25FT OF LINESET LENGTH, SEE WAPOR LINE SIZING & COOLING CAPACITY LOSS TABLE WHEN USING OTHER.
 - ALL EXTERIOR COILS TO BE COATED.
 - HIGH EFFICIENCY ECM BLOWER MOTOR - FINE (S) SPEED.

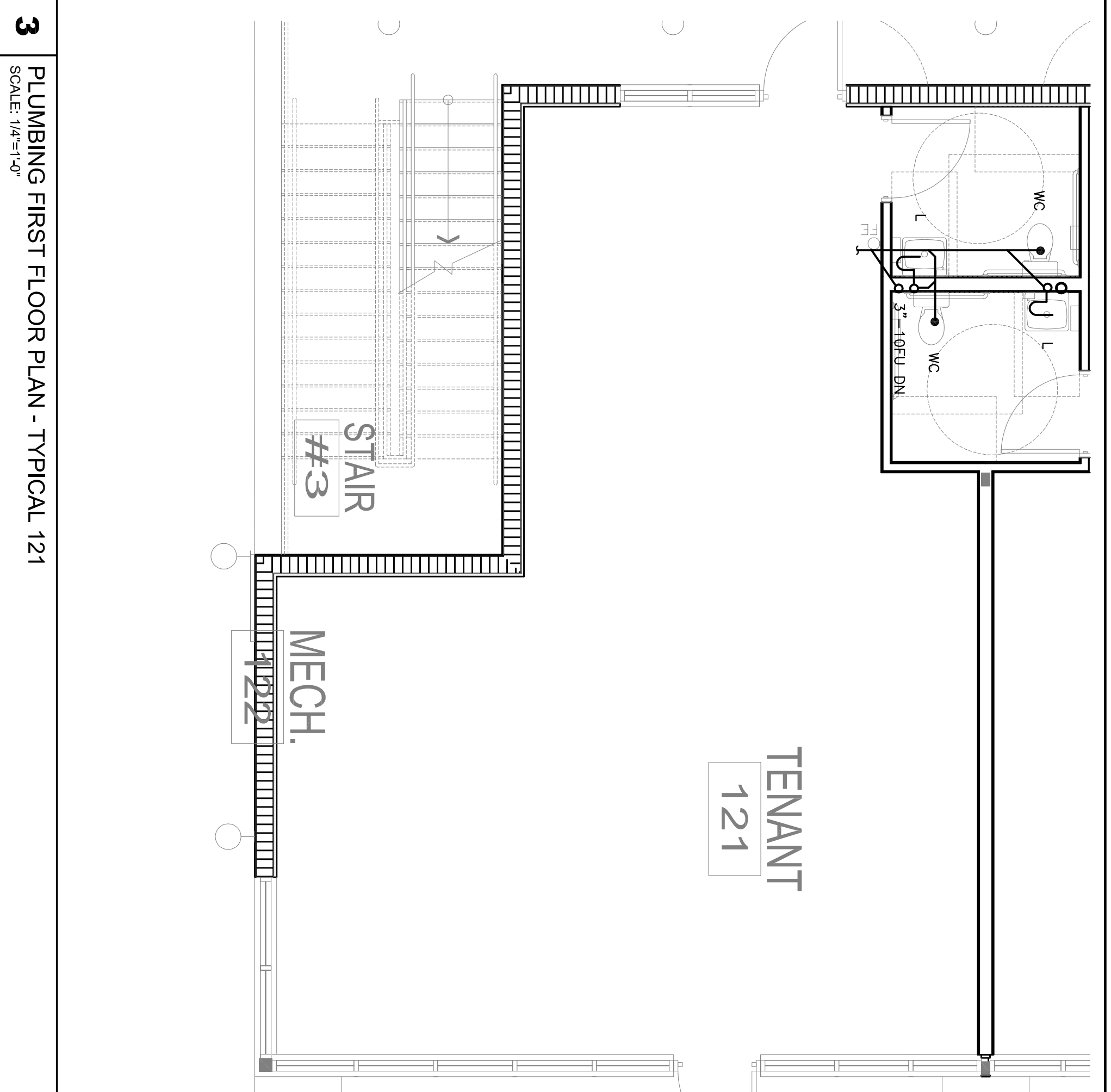
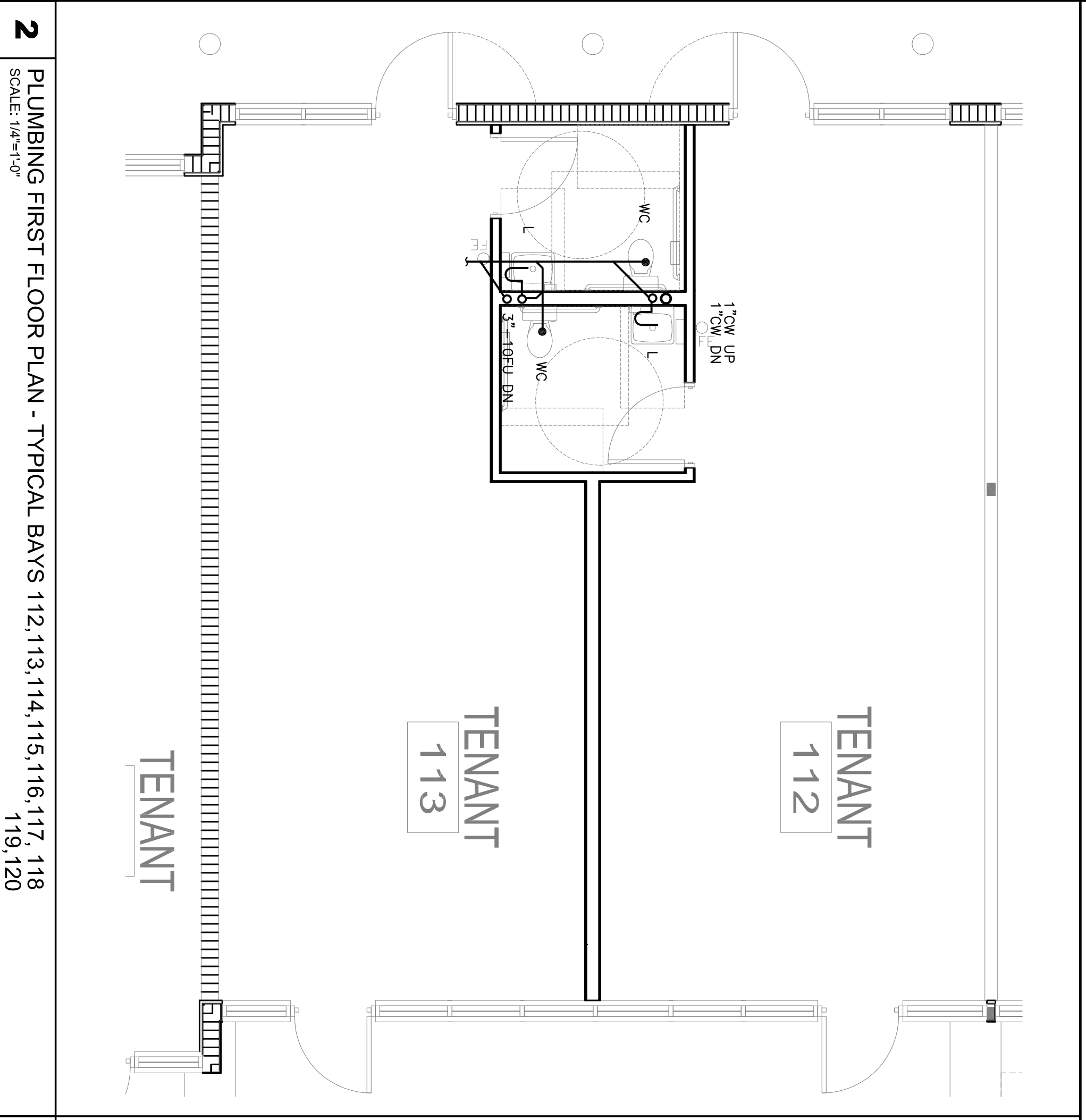
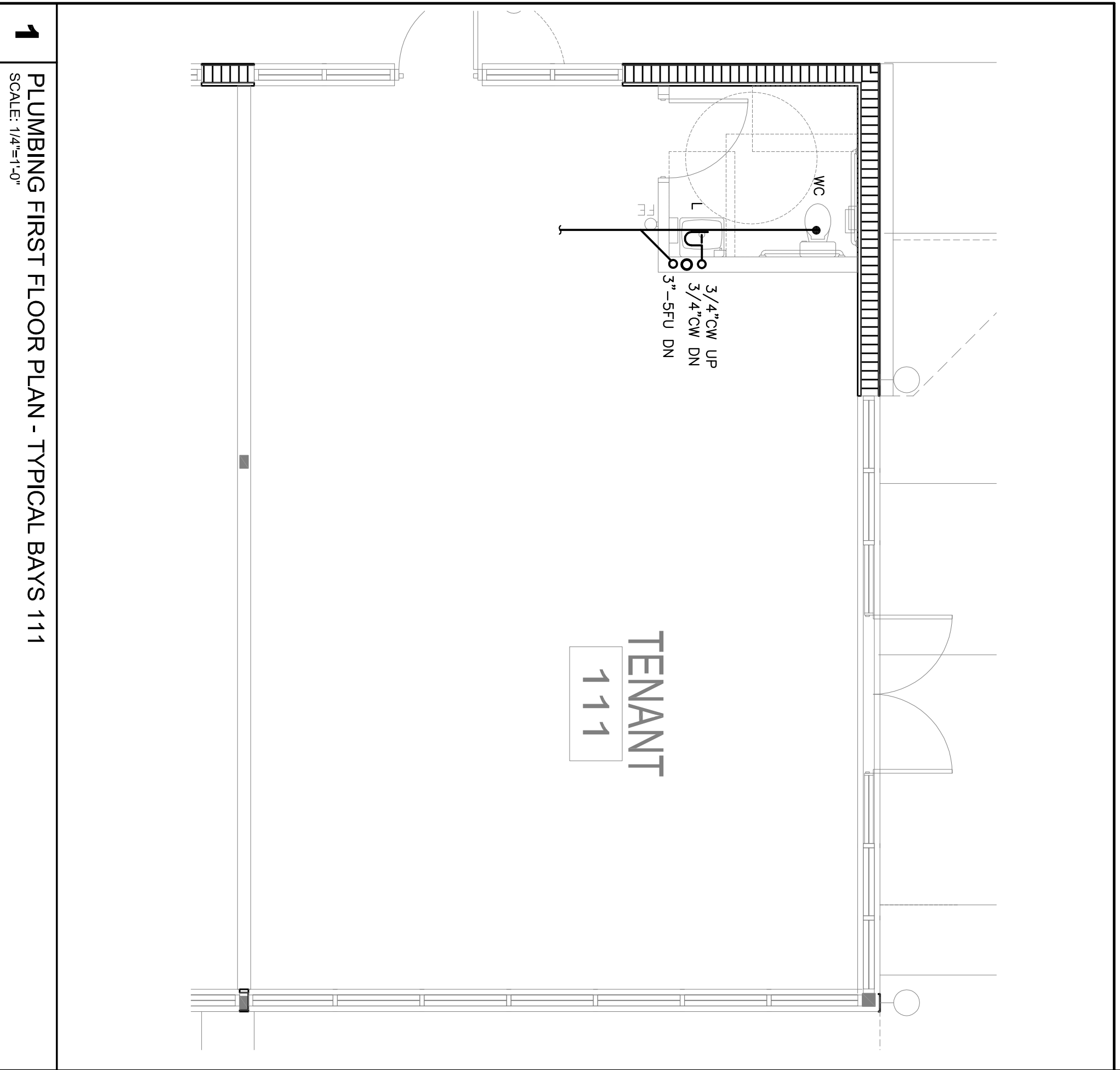
DIFFUSER SCHEDULE									
TYPE	SERVICE	CM RANGE	SIZE	NECK	MANUFACTURER/MODEL				
ⓐ	DUCT MOUNT MOUNTED AIR DIFFUSER	0 - 100	6" - 8"	---	TIUS 250 AA TIUS 250 MA TIUS 250 KA TIUS 250 LA TIUS 250 MA TIUS 250 KA TIUS 250 LA				
ⓑ	DUCT MOUNT RETURN AIR GRILLE (ECCOGRATE)	711 - 1801	1800 - 2424	---	TIUS 50F TIUS 50F				

- NOTES:**
- PROVIDE ALL UNITS WITH GROSSED BLADE DAMPERS.
 - DIFFUSER FINISH SHALL BE DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED ON PLANS.
 - ALL SUPPLY AIR DIFFUSER AIR FLOW PATTERNS ARE 4-WAY UNLESS OTHERWISE INDICATED ON MECHANICAL PLANS.
 - PROVIDE SURFACE MOUNT HARDWARE IN ALL INACCESSIBLE CEILING SYSTEMS.
 - PROVIDE LAY-IN MOUNT HARDWARE IN ALL SUSPENDED CEILING SYSTEMS.
 - PROVIDE FULL LENGTH PLINIA FOR SERRAVAL AND LINEAR SLOTS.
 - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF DIFFUSERS.
 - PROVIDE SELECTION BASED ON A MAXIMUM RELATED NOSE OF NC-19.

VENTILATION FAN SCHEDULE									
UNIT DESIGNATION	AREA SERVED	OPERATING WEIGHT, LBS	LOCATION	FAN TYPE	TOTAL AIR CFM	DRIVE TYPE	FAN WHEEL TYPE	FAN TIP SPEED, FPM MAX.	FAN SPEED, RPM
EF-1	BATHROOMS W/OP SMOK	17	CEILING	DIRECT	50	DIRECT	CENTRIFUGAL	---	950
									0.25"
									584 / 49W
									WALL SWITCH
									MC
									120-1-60
									14 X 11 X 11
									1.6
									GREENHECK
									SPA - 90
									YES
									NO

									BUILT-IN
									6"Φ
									NO
									NO
									NO

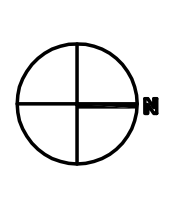
- NOTES:**
- ALL DIFFUSERS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMOKER STANDARDS AND LOCAL BUILDING CODES.
 - SEAL ALL DUCT SEALS ARE CLEAN INSIDE DIMENSIONS.
 - ALL DUCT JOINTS, JOINTS AND SEAMS IN AN APPROVED MANNER AND INSURE AGAINST LEAKAGE.
 - PROVIDE ACCESS DOORS AS REQUIRED FOR ALL MECHANICAL EQUIPMENT TO SERVICE AND VERIFY CHECK ROTATION OF FANS AND MOTORS, POSITIVE OF DAMPERS, REPLACE THE DAMPER LINGS, ADJUST OR REPLACE DAMPERS, ETC.
 - DO NOT REMOVE ELBOWS IN ALL CASES, SPLITTER DAMPERS WERE INDICATED ON DRAWINGS AND VOLUME CONTROL DAMPERS IN ALL BRANCH DUCTS OR DIFFUSER CONNECTIONS.
 - TERMINAL AIR DISTRIBUTION DEVICES SHALL BE AS FOLLOWS: CEILING DIFFUSER: TIUS AS SPECIFIED IN AIR DISTRIBUTION SCHEDULE. RETURN REGISTER: EQUITY TO TIUS AS SPECIFIED IN AIR DISTRIBUTION SCHEDULE. NEW AIR DIFF. GRILLES SHALL MATCH EXISTING (IF APPLICABLE).
 - DIFFUSERS SHALL BE IN PLACE DURING CONSTRUCTION, PROVIDE A NEW SET OF DIFFUSERS TO BE INSTALLED AT THE END OF ONE YEAR SERVICE PERIOD, IF APPLICABLE.
 - AIR QUALITY SHOULD BE TESTED BEFORE OCCUPANCY AND SHOULD BE INSTRUMENTED AND MONITORED THEREAFTER, OR AT LEAST AT REGULAR INTERVALS DESIGN REQUIREMENTS.
 - TEST AND ADJUST SUPPLY AND RETURN AIR TEMPERATURES TO BE WITHIN 5% OF DESIGN REQUIREMENTS.
 - INTERFERE CONTRACTOR SHALL TEST AND BALANCE ALL MECHANICAL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE DESIGN SCHEDULES. PROVIDE 1 & B REPORT IN ACCORDANCE WITH THE AIR BALANCE COUNCIL STANDARDS, SIGNED AND SEALED BY A REGISTERED FLORIDA ENGINEER. PROVIDE FINAL BALANCING FOR ALL SYSTEMS TO SATISFACTION OF OWNER AND ENGINEER 1 & B CONTRACTOR SHALL VISIT SITE DURING CONSTRUCTION TO ENSURE THAT ALL DUCTS, DAMPERS, ETC. ARE INSTALLED FOR PROPER AND CORRECT DELIVERY.



1 PLUMBING FIRST FLOOR PLAN - TYPICAL BAYS 111
SCALE: 1/4\"=1'-0\"

2 PLUMBING FIRST FLOOR PLAN - TYPICAL BAYS 112, 113, 114, 115, 116, 117, 118, 119, 120
SCALE: 1/4\"=1'-0\"

3 PLUMBING FIRST FLOOR PLAN - TYPICAL 121
SCALE: 1/4\"=1'-0\"



engineering inc

2655 Le Jeune Road, Suite 1109
 Coral Gables, Florida 33134
 Phone > 305.444.9877
 Fax > 305.444.9827

Engineering Design:
 Mechanical • Electrical
 Plumbing • Fire Protection
www.enrpe-inc.com

JOB # 16-0402

Amarillo Rodriguez, P.E.
 License Number 60236
 C.A. 2015

Signature _____
 Date _____

VILLAGE AT ATLANTIC SHORES

801 N. FEDERAL HIGHWAY
 HALLANDALE BEACH, FL

CLIENT: ATLANTIC VILLAGE 1, LLC.

DESIGN DELIVERABLE: PERMIT SET
 ISSUE DATE: 05-11-16

PROJECT NUMBER: 1177 - 150203

DRAWN BY: O.F.
 CHECKED BY: F.A.

Copyright (c) by SYNALOVSKI ROMANIK S&A, LLC
 ALL RIGHTS RESERVED

SYNALOVSKI ROMANIK S&A
 Architects • Engineers • Interiors Design

1800 Blair Drive, Suite 500
 Fort Lauderdale, FL 33316
 T 954.951.6806
 F 954.951.6807
www.synalovsk.com

Manuel Synalovski, AIA
 AR 0011628
 SEFL

LICENSE NO. AA2601983

PLUMBING FIRST FLOOR PLAN - TYPICAL BAYS 111-121

SHEET NUMBER: **P-5**

engineering inc

2655 Le Jeune Road, Suite 1109
 Coral Gables, Florida 33134
 Phone > 305.444.9877
 Fax > 305.444.9827

Engineering Design:
 Mechanical • Electrical
 Plumbing • Fire Protection
www.enrpe-inc.com

JOB # 16-0402

Amarillo Rodriguez, P.E.
 License Number 60236
 C.A. 2015

Signature _____
 Date _____

VILLAGE AT ATLANTIC SHORES

801 N. FEDERAL HIGHWAY
 HALLANDALE BEACH, FL

CLIENT: ATLANTIC VILLAGE 1, LLC.

DESIGN DELIVERABLE: PERMIT SET
 ISSUE DATE: 05-11-16

PROJECT NUMBER: 1177 - 150203

DRAWN BY: O.F.
 CHECKED BY: F.A.

Copyright (c) by SYNALOVSKI ROMANIK S&A, LLC
 ALL RIGHTS RESERVED

SYNALOVSKI ROMANIK S&A
 Architects • Engineers • Interiors Design

1800 Blair Drive, Suite 500
 Fort Lauderdale, FL 33316
 T 954.951.6806
 F 954.951.6807
www.synalovsk.com

Manuel Synalovski, AIA
 AR 0011628
 SEFL

LICENSE NO. AA2601983

PLUMBING FIRST FLOOR PLAN - TYPICAL BAYS 111-121

SHEET NUMBER: **P-5**

DESIGN CRITERIA

DESIGN BASED THE PROVISIONS OF THE FLORIDA BUILDING CODE 2014 EDITION.

A. DESIGN LOADS: ROOF LL+ 30 PSF SDL+ 25 PSF

B. WIND LOADS: ASCE 7-10 BASIC WIND SPEED V= 110 MPH EXPOSURE CATEGORY C INTERNAL PRESSURE COEF = GCP1 + 0.18 KD (DIRECTIONALITY) + L0 RISK CATEGORY + II

GENERAL:

- 1. ALL MATERIALS SHALL BE NEW OF GOOD QUALITY AND THE CONSTRUCTION SHALL BE PERFORMED BY WORKERS SKILLED IN THEIR TRADE AND IN ACCORDANCE WITH RECOMMENDED PRACTICE.
2. NO DIMENSIONS SHALL BE SCALED FROM DRAWINGS.
3. GENERAL CONTRACTOR SHALL CHECK, REVIEW AND VERIFY ALL PLANS, DIMENSIONS AND SITE CONDITIONS PRIOR TO CONSTRUCTION...

Table with 2 columns: SLAB THICKNESS (IN.) and # 3/4" OR LARGER AGGREGATE SPACING (FT.). Rows include 4, 5, 6, 7 and GREATER.

CONCRETE:

- 1. ALL REINFORCED CONCRETE DESIGN SHALL BE IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-11).
2. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301-10).
3. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: FOUNDATIONS 3,000 PSI SLAB ON FILL 3,000 PSI COLUMNS 4,000 PSI BEAMS 4,000 PSI STRUCTURAL SLAB 4,000 PSI

* ALL CONCRETE EXPOSED TO WEATHER SHALL BE MINIMUM OF 4,000 PSI WITH 04 WATER/CEMENT RATIO.

- 4. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY CONCRETE WORK.
5. NO ADMIXTURE SHALL BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
6. FORMWORK SHALL COMPLY WITH "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI 341-04).
7. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFE ADEQUATE SHORING, RE-SHORING, BRACING AND FORMWORK...

- 14. REINFORCEMENT IN WALL, FOOTING, AND BEAMS SHALL BE CONTINUOUS AND LAPPED 48 BAR # AT SPLICE UNLESS OTHERWISE NOTED. HOOK AND LAP AT CORNER AND INTERSECTING BARS. (SEE REIN. DEVELOPMENT DETAIL).

FOUNDATION AND CONCRETE SLAB ON FILL (CONT.):

- 4. SAW CUT CONTROL JOINTS SHALL BE SAILED AS SOON AS THE CONCRETE IS HARD ENOUGH NOT TO BE TORN OR DAMAGED BY THE BLADE.
5. COLUMNS, BEAMS, AND WALLS OR ANY OTHER STRUCTURAL MEMBER PENETRATING SLABS ON FILL SHALL BE ISOLATED BY FRESH-MOLDED JOINT FILLER (1/2" THICK) COMPLYING WITH ASTM 0703, TYPE I.
6. JOINTS SHALL BE SEALED WHERE INDICATED BY THE ARCHITECTURAL DRAWINGS AND FILLER AND SEALANT MATERIAL SHALL FOLLOW SPECS.

REINFORCING STEEL:

- 1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, FREE FROM LOOSE RUST AND SCALE CONFORMING TO ASTM A618/A618M-01, FY+60KSI, U.O.N.
2. ALL REINFORCING SHALL BE DETAILED AND FABRICATED FOLLOWING THE REQUIREMENTS OF ACI 308, PLACING OF REBARS SHALL CONFORM TO CRSI "RECOMMENDED PRACTICES FOR PLACING REINFORCING BARS".
3. MINIMUM CONCRETE COVER ON REINFORCING STEEL FOR NON-PRESTRESSED CONCRETE SHALL BE AS FOLLOWS, U.O.N.:

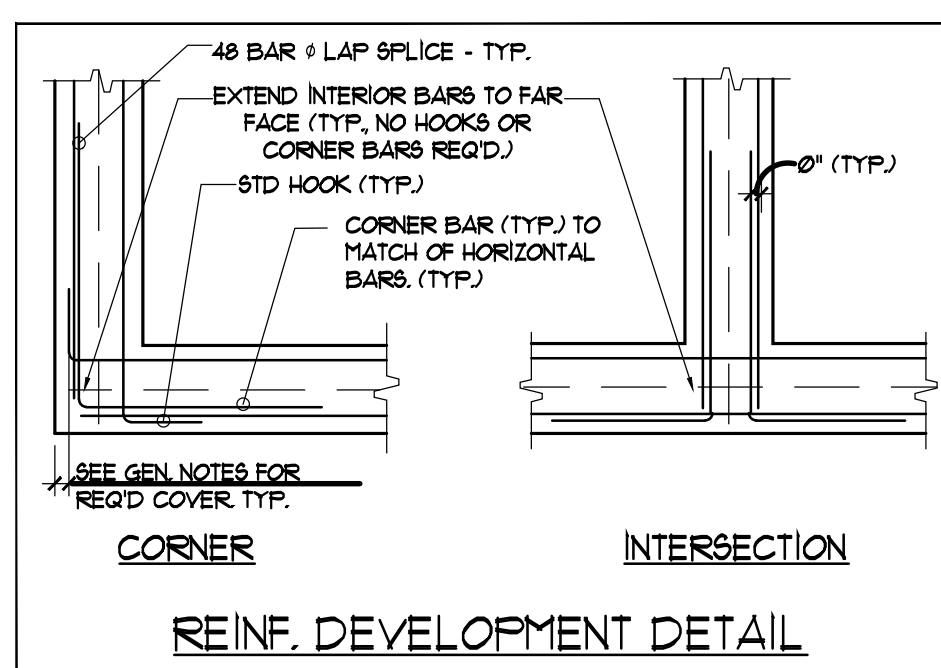
Table with 3 columns: MINIMUM COVER, TOLERANCE, OR -. Rows include CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, EXPOSED TO WEATHER NO. 5 AND SMALLER BARS, NO. 6 AND LARGER BARS, NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, ROOF SLAB, STRUCTURAL SLAB AND WALLS, BEAMS AND COLUMNS, (PRIMARY REINFORCEMENT, TIES, STIRRUPS AND SPIRALS), SLABS ON GRADE.

- 4. NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER. ALL REINFORCING DETAILS TO BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL.
5. ALL REINFORCING BARS SHALL BE SECURELY HELD IN PLACE DURING CONCRETE PLACEMENT. IF REQUIRED, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR THE BARS.
6. BARS SUPPORTS SHALL BE PLASTIC TIPPED FOR EXPOSED CONCRETE. PLASTIC TIPS SPACERS WILL BE REQUIRED FOR STEEL AGAINST FORMS IN CONCRETE BEAMS AND WALLS IF FIELD CONDITIONS WARRANT.
7. WELDED WIRE FABRIC SHALL CONFORM WITH ASTM A 95 AND IT SHALL BE SUPPORTED ON SLAB BOLSTERS.
8. ALL REINFORCING BARS MARKED CONTINUOUS SHALL BE LAPPED 30 DIA AT SPLICES AND CORNERS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AS REQUIRED. TERMINATE CONTINUOUS BARS AT NON-CONTINUOUS ENDS WITH STANDARD HOOKS, U.O.N.

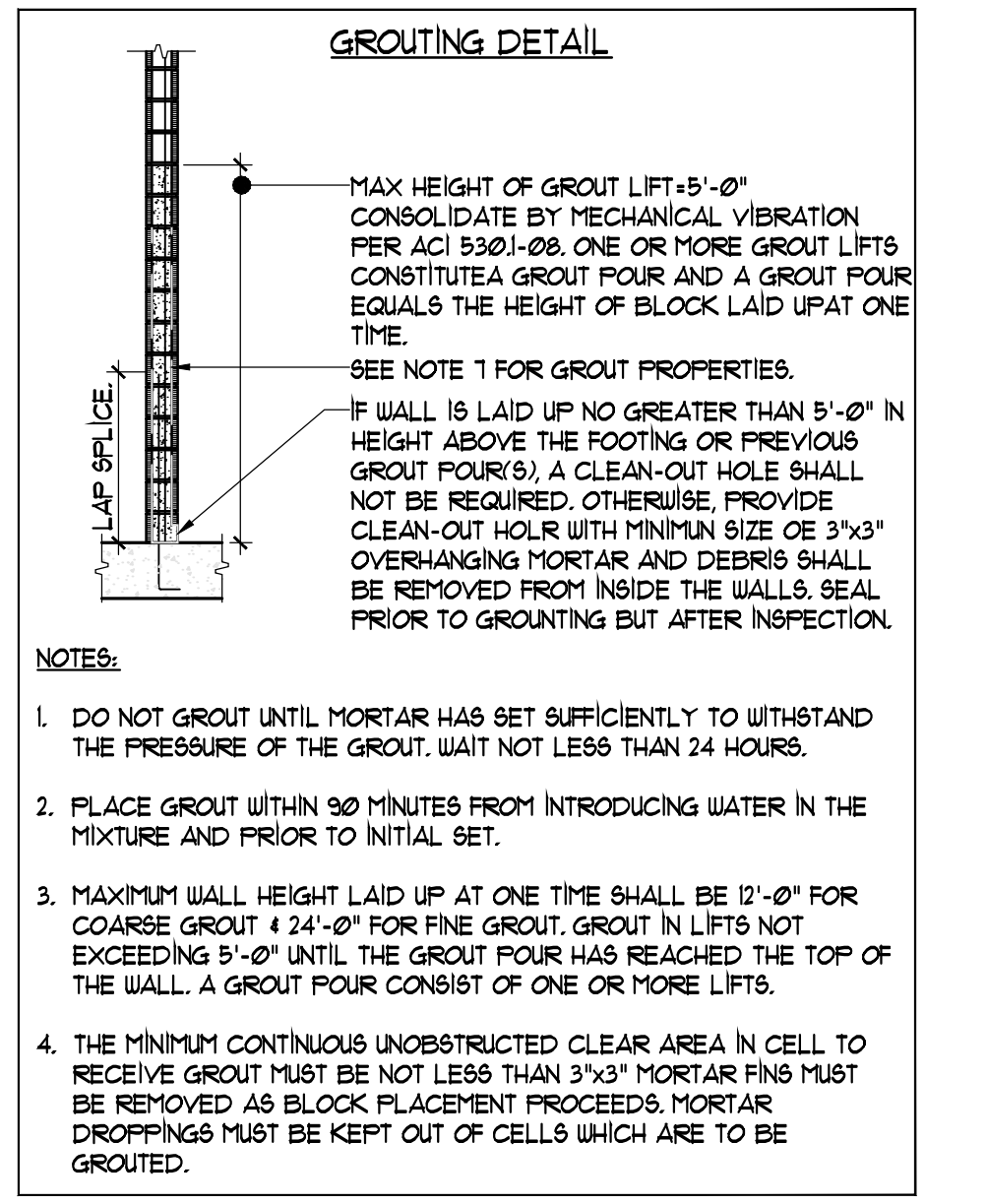
REINFORCED MASONRY LOAD BEARING:

- 1. LAY UP ALL 8" MASONRY UNITS PRIOR TO CONSTRUCTION OF THE SUPPORTED MEMBERS FOR THE SAME STORY. USE TYPE M MORTAR IN BEARING WALLS. LAY UP UNITS IN RUNNING BOND.
2. MASONRY CONSTRUCTION MATERIALS AND INSPECTIONS SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (ACI 530-II, ASCE 1-10, TMS 402-08), SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530J-II, ASCE 1-10, TMS 602-05), ASTM C416-02, ASTM C1019-03 AND NCHM 107.
3. BLOCK SHALL NOT TO BE MOISTENED BEFORE GROUTING.
4. USE CONCRETE MASONRY UNITS CONFORMING TO ASTM C90 GRADE N MASONRY UNITS SHALL DEVELOP A MINIMUM COMPRESSIVE PRISM STRENGTH (FM) OF 1500 P.S.I. AND THE AVERAGE OF 3 UNITS (5000 P.S.I.) MORTAR TO BE TYPE M CONFORMING TO ASTM C270. MASONRY UNITS SHALL BE A MIN OF 50% SOLID.
5. TEST ONE SET OF MASONRY UNITS IN ADVANCE OF BEGINNING OPERATIONS AND ONE SET DURING CONSTRUCTION FOR EACH 3000 SQ.FT. OF WALL AREA. SAMPLE FROM ACTUAL FIELD UNITS.
6. MORTAR SHALL COMPLY WITH ASTM C210, TYPE "M" FOR TYPICAL WALLS. (COMPRESSIVE STRENGTH+2500 PSI) SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE DESIGN COMPRESSIVE STRENGTH

- 1. USING EITHER LOAD INDICATOR WASHERS OR TENSION-CONTROL BOLTS.
2. BRACE AND MAINTAIN ALL STEEL IN ALIGNMENT UNTIL OTHER PARTS OF CONSTRUCTION NECESSARY FOR PERMANENT SUPPORT ARE COMPLETED, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TEMPORARY SHORING AS REQUIRED FOR THE STABILITY OF STEEL FRAME UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND BUILDING IS ENCLOSED.
3. GROUT FOR COLUMN BASE PLATES AND PRESENT BEARING PLATES SHALL BE NON-SHRINK NON METALLIC GROUT (5000 PSI MIN).
4. SUBMIT SHOP DRAWINGS INDICATING ALL SHOP AND ERECTION DETAILS INCLUDING PROFILES, SIZES, SPACING AND LOCATIONS OF STRUCTURAL MEMBERS, CONNECTION ATTACHMENTS, FASTENERS, LOADS AND TOLERANCES.
5. ALL STEEL EXPOSED TO WATER SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 FOR MEMBERS AND ASTM A153 FOR CONNECTION ELEMENTS.
6. STRUCTURAL STEEL SHALL RECEIVE A SHOP COAT OF PRIMER (COLOR AS DIRECTED BY ARCHITECT) WHERE EXPOSED TO VIEW ALL OTHER AREAS INCLUDING THOSE WHICH WILL RECEIVE SPRAY-ON FIRE PROTECTION OR WHERE HEADED STUDS ARE TO BE WELDED, SHALL NOT BE PRIMED.
7. QUALIFICATIONS FOR WELDING WORK, QUALITY WELDING PROCEDURES AND WELDING OPERATIONS IN ACCORDANCE WITH AISC "QUALIFICATIONS" REQUIREMENTS, WELDERS SHALL HAVE CURRENTS EVIDENCE OF PASSING THE APPROPRIATE AISC QUALIFICATION TEST. THE ENGINEER MAY REQUEST SUCH EVIDENCE AT ANY TIME DURING THE PROJECT.



- 21. TEMPORARY BRACING AND SHORING OF WALLS TO PROVIDE STABILITY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
22. DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) THREE DAYS.
23. DO NOT APPLY CONCENTRATED LOADS TO MASONRY WALLS FOR (1) DAYS.
24. EXTEND ALL VERTICAL WALL REINFORCEMENT TO WITHIN 2" OF TOP OF WALL OR BEAM UNLESS NOTED OTHERWISE. TERMINATE REINFORCING WITH STANDARD ACI 90 DEGREE HOOK IF ROOF JOIST AND/OR TRUSSES BEAR ON TOP OF WALL AND THERE IS NOT PARAPET. IF PARAPET EXISTS, HOOK IS NOT REQUIRED.
25. MAXIMUM CONTROL JOINT SPACING FOR CONCRETE MASONRY UNITS.
26. GROUT FOR FILL CELLS SHALL BE PLACED IN CONFORMANCE WITH ACI 530.108 AND AS INDICATED BELOW.



STRUCTURAL STEEL:

- 1. FABRICATED AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH SPECIFICATION SECTION 0520, AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, WITH COMMENTARY, AND ALL OSHA REQUIREMENTS.
2. STRUCTURAL STEEL SHAPES SHALL BE FABRICATED FROM THE FOLLOWING MATERIALS: A. ROLLED W AND UP SHAPES: ASTM A992, GRADE 50. B. ROLLED M, C, O AND MC SHAPES AND ANGLES: ASTM A36, Fy=36 ksi. C. PLATES AND BARS: ASTM A36, Fy=36 ksi. D. COLD-FORMED HOLLOW STRUCTURAL SECTIONS (HSS): ROUND SECTIONS: ASTM A500, GRADE C, Fy=46 ksi. SQUARE AND RECTANGULAR SECTIONS: ASTM A500, GRADE B, Fy=46 ksi. E. STEEL PIPE: ASTM A53, TYPE E or S, GRADE B, Fy=35 ksi.
3. ALL SHOP AND FIELD WELDING SHALL CONFORM TO THE AISC D11 STRUCTURAL WELDING CODE BY THE AMERICAN SOCIETY OF WELDING. USE E70 SERIES WELDING ELECTRODES, U.O.N. WHERE NECESSARY, REMOVE GALVANIZING OR PRIMER PRIOR TO WELDING.
4. DO NOT SPLICE STRUCTURAL STEEL MEMBERS EXCEPT WHERE INDICATED ON THE DRAWINGS.
5. REFER TO ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS FOR PAINTING AND FIREPROOFING OF STRUCTURAL STEEL. DO NOT PAINT STEEL SURFACES IN CONTACT WITH CONCRETE OR FIREPROOFING.
6. BOLTED STRUCTURAL CONNECTIONS: UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE 3/4" ASTM A325, TYPE N, BOLTS INDICATED LESS THAN 3/8" SHALL BE ASTM A307, DETERMINE TENSION.

- 7. USING EITHER LOAD INDICATOR WASHERS OR TENSION-CONTROL BOLTS.
8. BRACE AND MAINTAIN ALL STEEL IN ALIGNMENT UNTIL OTHER PARTS OF CONSTRUCTION NECESSARY FOR PERMANENT SUPPORT ARE COMPLETED, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TEMPORARY SHORING AS REQUIRED FOR THE STABILITY OF STEEL FRAME UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND BUILDING IS ENCLOSED.
9. GROUT FOR COLUMN BASE PLATES AND PRESENT BEARING PLATES SHALL BE NON-SHRINK NON METALLIC GROUT (5000 PSI MIN).

MECHANICAL FASTENERS:

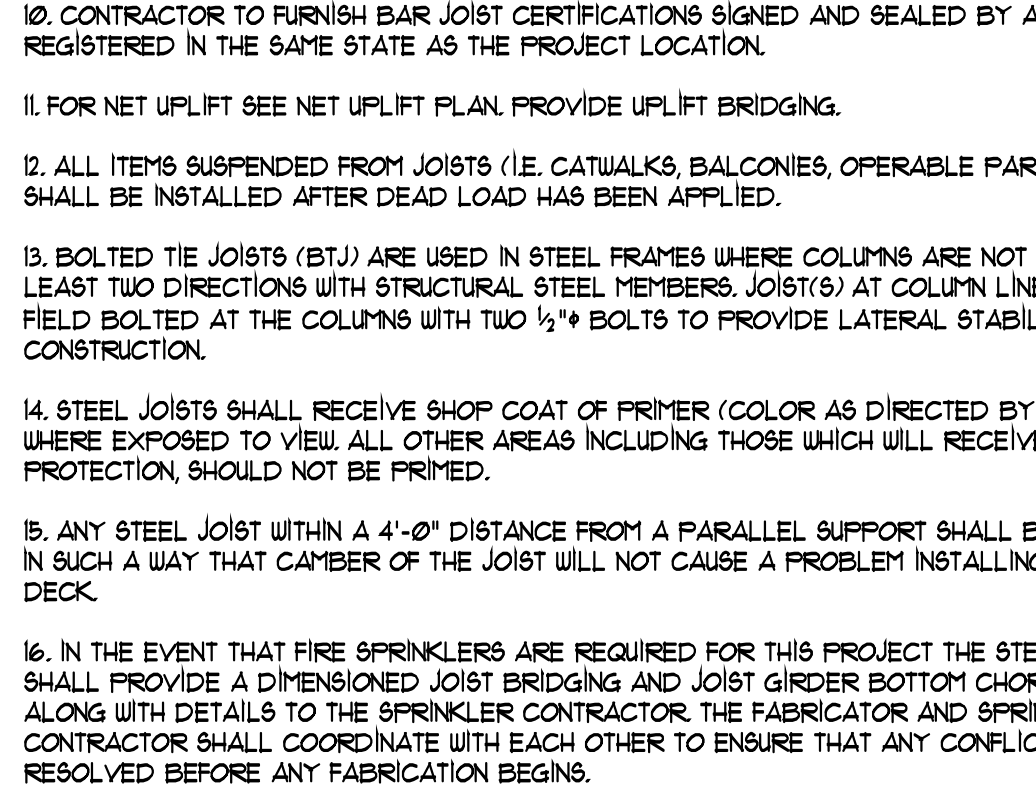
- 1. ALL ANCHORS SHALL PROVIDE EQUAL OR GREATER STRUCTURAL LOAD CAPACITIES (ALLOWABLE OR ULTIMATE) THAN THOSE SPECIFIED BELOW UNLESS ALTERNATE SYSTEM IS PREFERRED. THE CONTRACTOR SHALL ENSURE THE ALTERNATE SYSTEM CAN PROVIDE SUCH LOADS, AND SHALL CONTACT THE ENGINEER TO ADVISE SUCH CHANGES. THE CONTRACTOR MUST ALSO PROVIDE LOAD TABLES, OR OTHER LITERATURE WHICH SPECIFIES SUCH CAPACITIES, AT THE ENGINEER'S, ARCHITECT'S, OR OWNER'S REQUEST.
EXPANSION ANCHORS: "WEDGE ALL" BY SIMPSON OR "POWER-BOLT" BY RAYL.
ADHESIVE ANCHORS: "EPOXY" (EY,SET, ET, EFX) BY SIMPSON, OR "POWER-FAST" BY RAYL.
MASONRY SCREWS: "TITEN" BY SIMPSON OR "TAPPER" BY RAYL.
POUNDER ACTUATED FASTENERS (PAF): POWDER ACTUATED FASTENERS BY SIMPSON, OR "PINS" BY RAYL.
2. ALL FASTENERS SHALL BE INSTALLED AS SPECIFIED BY THE MANUFACTURER WHERE EMBEDMENT DEPTH, SPACING, EDGE DISTANCE, OR END DISTANCE IS NOT SPECIFIED, THE MORE STRINGENT SPECIFIED BY EACH FASTENER'S MANUFACTURER SHALL BE USED. ALL FASTENERS SHALL COMPLY WITH THE REQUIREMENTS SET BY THE GOVERNING BUILDING CODE.

PRE-FABRICATED WOOD TRUSSES:

- 1. TO BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, THE TRUSS PLATE INSTITUTE AND ARCHITECTURAL-STRUCTURAL DRAWINGS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. SUPERIMPOSED LOADS SHALL BE AS FOLLOWS: TOP CHORD: 10 P.S.F. BOTTOM CHORD: 10 P.S.F. WIND UPLIFT: = SEE ROOF FRAMING PLAN.
2. SPECIALTY ENGINEER SHALL USE OVERSTRESSING OF WOOD FOR WIND DESIGN OF WOOD TRUSS MEMBERS ONLY. DO NOT OVERSTRESS TRUSSES, AS PER ASCE 7-10.
3. CONCENTRATED LOADS ON TRUSSES: ANY SINGLE PANEL POINT OF THE LOWER CHORD OF ROOF TRUSSES OR ANY POINT OF OTHER PRIMARY STRUCTURAL MEMBERS SUPPORTING ROOFS SHALL BE CAPABLE OF SAFELY CARRYING A SUSPENDED, CONCENTRATED LOAD OF NOT LESS THAN 200 POUNDS (96 N) IN ADDITION TO DEAD LOAD.

STEEL JOISTS:

- 1. SUBMIT FOR REVIEW SHOP DRAWINGS OF JOIST DETAILS FOR FABRICATION AND ERECTION PRIOR TO FABRICATING JOISTS.
2. A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
3. ALL DESIGN, FABRICATION AND ERECTION OF STEEL JOISTS AND BRIDGINS SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT SPECIFICATIONS OF STEEL JOISTS INSTITUTE AND RECOMMENDED CODE OF STANDARD PRACTICE.
4. THE ENDS OF ALL BRIDGING LINES TERMINATING AT WALLS OR BEAMS SHALL BE ANCHORED TO THE WALL OR BEAM.
5. ALL STEEL JOISTS ARE TO BE CAMBERED AS SPECIFIED BY STEEL JOIST INSTITUTE.
6. PROVIDE BOTTOM AND/OR TOP CHORD EXTENSIONS AS SHOWN ON DRAWINGS.
7. UNLESS NOTED OTHERWISE, MINIMUM JOIST BEARING SHALL BE 2 1/2" FOR K-SERIES JOISTS, 4" FOR LH, DHL AND SLH 18-18, AND 6" FOR SLH 18-25 ON A STEEL MEMBER OR EMBED PLATE.
8. BRIDGING SHALL BE FURNISHED AND INSTALLED TO MEET THE SIZE AND SPACING REQUIREMENTS OF THE SJI STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS. ALL BRIDGING AND BRIDGING ANCHORS SHALL BE COMPLETELY INSTALLED BEFORE CONSTRUCTION LOADS ARE PLACED ON THE JOISTS. ALL JOISTS 40'-0" OR LONGER REQUIRE A ROW OF BOLTED BRIDGING TO BE IN PLACE BEFORE SLACKENING OF HOISTING LINES. OTHER JOIST REQUIRE SIMILAR BRIDGING (CONSULT LATEST SJI SPECIFICATIONS).
9. ALL HANGERS, CURBS, AND /OR ROOFTOP FRAMES TO SUPPORT MECHANICAL EQUIPMENT, ETC. TO BE SUPPORTED BY THE JOISTS SHALL BE LOCATED AT THE PANEL POINTS OF THE JOISTS. IF THE CONCENTRATED LOAD MUST BE LOCATED FURTHER THAN 6" FROM A PANEL POINT, PROVIDE JOIST STIFFENERS. L2X2X1/8 JOIST STIFFENERS MUST BE INSTALLED FROM LOAD TO OPPOSITE CHORD PANEL POINT BEFORE LOAD IS APPLIED. SEE DETAIL BELOW.



- 10. CONTRACTOR TO FURNISH BAR JOIST CERTIFICATIONS SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION.
11. FOR NET UPLIFT SEE NET UPLIFT PLAN. PROVIDE UPLIFT BRIDGING.
12. ALL ITEMS SUSPENDED FROM JOISTS (I.E. CATALKES, BALCONIES, OPERABLE PARTITIONS, ETC.) SHALL BE INSTALLED AFTER DEAD LOAD HAS BEEN APPLIED.
13. BOLTED JOISTS (BTJ) ARE USED IN STEEL FRAMES WHERE COLUMNS ARE NOT FRAMED IN AT LEAST TWO DIRECTIONS WITH STRUCTURAL STEEL MEMBERS. JOIST(S) AT COLUMN LINES SHALL BE FIELD BOLTED AT THE COLUMNS WITH TWO 1/2" BOLTS TO PROVIDE LATERAL STABILITY DURING CONSTRUCTION.
14. STEEL JOISTS SHALL RECEIVE SHOP COAT OF PRIMER (COLOR AS DIRECTED BY ARCHITECT) WHERE EXPOSED TO VIEW ALL OTHER AREAS INCLUDING THOSE WHICH WILL RECEIVE SPRAY-ON FIRE PROTECTION. SHOULD NOT BE PRIMED.
15. ANY STEEL JOIST WITHIN A 4'-0" DISTANCE FROM A PARALLEL SUPPORT SHALL BE FABRICATED IN SUCH A WAY THAT CAMBER OF THE JOIST WILL NOT CAUSE A PROBLEM INSTALLING THE METAL DECK.
16. IN THE EVENT THAT FIRE SPRINKLERS ARE REQUIRED FOR THIS PROJECT THE STEEL FABRICATOR SHALL PROVIDE A DIMENSIONED JOIST BRIDGING AND JOIST GIRDER BOTTOM CHORD BRACE PLAN ALONG WITH DETAILS TO THE SPRINKLER CONTRACTOR. THE FABRICATOR AND SPRINKLER CONTRACTOR SHALL COORDINATE WITH EACH OTHER TO ENSURE THAT ANY CONFLICTS ARE RESOLVED BEFORE ANY FABRICATION BEGINS.

MECHANICAL FASTENERS:

- 1. ALL ANCHORS SHALL PROVIDE EQUAL OR GREATER STRUCTURAL LOAD CAPACITIES (ALLOWABLE OR ULTIMATE) THAN THOSE SPECIFIED BELOW UNLESS ALTERNATE SYSTEM IS PREFERRED. THE CONTRACTOR SHALL ENSURE THE ALTERNATE SYSTEM CAN PROVIDE SUCH LOADS, AND SHALL CONTACT THE ENGINEER TO ADVISE SUCH CHANGES. THE CONTRACTOR MUST ALSO PROVIDE LOAD TABLES, OR OTHER LITERATURE WHICH SPECIFIES SUCH CAPACITIES, AT THE ENGINEER'S, ARCHITECT'S, OR OWNER'S REQUEST.
EXPANSION ANCHORS: "WEDGE ALL" BY SIMPSON OR "POWER-BOLT" BY RAYL.
ADHESIVE ANCHORS: "EPOXY" (EY,SET, ET, EFX) BY SIMPSON, OR "POWER-FAST" BY RAYL.
MASONRY SCREWS: "TITEN" BY SIMPSON OR "TAPPER" BY RAYL.
POUNDER ACTUATED FASTENERS (PAF): POWDER ACTUATED FASTENERS BY SIMPSON, OR "PINS" BY RAYL.
2. ALL FASTENERS SHALL BE INSTALLED AS SPECIFIED BY THE MANUFACTURER WHERE EMBEDMENT DEPTH, SPACING, EDGE DISTANCE, OR END DISTANCE IS NOT SPECIFIED, THE MORE STRINGENT SPECIFIED BY EACH FASTENER'S MANUFACTURER SHALL BE USED. ALL FASTENERS SHALL COMPLY WITH THE REQUIREMENTS SET BY THE GOVERNING BUILDING CODE.

PRE-FABRICATED WOOD TRUSSES:

- 1. TO BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, THE TRUSS PLATE INSTITUTE AND ARCHITECTURAL-STRUCTURAL DRAWINGS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. SUPERIMPOSED LOADS SHALL BE AS FOLLOWS: TOP CHORD: 10 P.S.F. BOTTOM CHORD: 10 P.S.F. WIND UPLIFT: = SEE ROOF FRAMING PLAN.
2. SPECIALTY ENGINEER SHALL USE OVERSTRESSING OF WOOD FOR WIND DESIGN OF WOOD TRUSS MEMBERS ONLY. DO NOT OVERSTRESS TRUSSES, AS PER ASCE 7-10.
3. CONCENTRATED LOADS ON TRUSSES: ANY SINGLE PANEL POINT OF THE LOWER CHORD OF ROOF TRUSSES OR ANY POINT OF OTHER PRIMARY STRUCTURAL MEMBERS SUPPORTING ROOFS SHALL BE CAPABLE OF SAFELY CARRYING A SUSPENDED, CONCENTRATED LOAD OF NOT LESS THAN 200 POUNDS (96 N) IN ADDITION TO DEAD LOAD.



SYNALOVSKI ROMANIKSAYE Architects + Planning + Interior Design

1800 Eller Drive, Suite 500 Fort Lauderdale, FL 33315 T 954.961.6806 F 954.961.6807 www.synalovski.com

Manuel Synalovski, AIA AR 0011668 SEAL

LICENSE NO. AA26001863

Table with columns: REV, DATE, DESCRIPTION. Multiple rows for revision control.

Table with columns: REV, DATE, DESCRIPTION. Multiple rows for revision control.

DESIGN DELIVERABLE: PERMIT SET ISSUE DATE: 05-11-16

PROJECT NUMBER: 1177 - 150203 DRAWN BY: LBG CHECKED BY: AV

Copyright (c) by SYNALOVSKI ROMANIK SAYE, LLC. All Rights Reserved. SHEET TITLE:

GENERAL NOTES

SHEET NUMBER: S-000

CLIENT: ATLANTIC VILLAGE 1, LLC.

VASQUEZ Structural Engineers logo and contact information: 6635 W. Commercial Blvd. Suite 215 Tamaraac, FL 33319 Ph: (954) 726-7500 Fax: (954) 726-7501 Email: alvaro@vasquezstructural.com

Alvaro Vasquez, P.E. FL PE # 60843 FL CA # 30130

