EXISTING PARKING SPACES CALCULATIONS: BANK OF AMERICA, TOTAL BUILDING AREA: 30 538 SF "RETAILS USES" 1PKG/250 SF=14,457 SF/250 SF= "CARRY-OUT" 1PKG/250 SF=1,510 SF/250 SF OF PATRON AREA= 7 "BANKING" 1PKG/50 SF=3,065 SF/250 SF OF PATRON AREA= 62 SUBTOTAL. PKG. = "AVIS RENT A CAR "RENTAL OFFICE" 3PKG/2500 SF= "CAR STORAGE"= TOTAL. PKG. REQ,D= 135 TOTAL. PKG. PROV,D= 142 S.F PATRON PKG. AREA REQ, BLDG BUSINESS ADDRESS DON PAN BAKERY DINING CARRY-OU 13736 SW 88 ST 2,000 283 6 MATRESS. 13745 SW 88 ST 5,000 N/A 9 |13745 SW 88 ST |1,620 | N/A | 6 EDIBLE ARRENGEM. RETAIL FUJIYA RESTAUR. | RESTAURANT | 13750 SW 88 ST | 2,100 | 690 | 14 |13754 SW 88 ST|2,874| N/A | ₁₂ 2 |EMPTY |13758 SW 88 ST|2,000| 2 AVIS RENT A CAR RENTAL OFFIC 13760 SW 88 ST 2,000 N/A 8 L POLLON RESTAURANT |13762 SW 88 ST | 2,179 | 500 | 10 2 JOBILE HAIR SALON RETAIL |13764 SW 88 ST|1,821 | N/A | 8 2 EMPTY | 13770 SW 88 ST | 2,000 | N/A | 8 2 LA BODEGA | 13774 SW 88 ST | 2,000 | 528 | 11 3 CITY NATIONAL | 13780 SW 88 ST | 4,973 | N/A | 17 |13755 SW 90 ST 2,096 | N/A | 9 TOTAL. PKG. REQ,D= 30,536 SF 125 TOTAL. PKG. PROV,D= HC. PKG. F.B.C. 11-4.1.2(5) 1 - 25 REGULAR PARKING 136

TRACT "A"

TOTAL. PKG. =

GENERAL NOTES

ALL WORK IS TO BE DONE IN ACCORDANCE WITH TFLORIDA BUILDING CODE 2004 ED. AND ALL REGULATORY LOCAL AND GOVERNMENTAL CODES. 2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THE ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED BEFORE PROCEEDING WITH THE WORK.

3. CONTRACTOR TO AQUIRE ALL REQUIRED PERMITS FOR THE CONSTRUCTION AND SUBSEQUENT OCCUPANCY OF THE PROJECT 4. ALL WORK DONE UNDER THE SUPERVISION OF THE CONTRACTOR SHALL BE DONE IN A NEAT AND WORKMAN-LIKE MANNER AND IN ACCORDANCE WITH ALL GOVERNING AGENCIES, RULES AND REGULATIONS HAVING JURISDICTION. 5. CONTRACTOR TO PROVIDE ALL SUPPLEMENTARY MATERIALS REQUIRED TO INSTALL, SUPPORT, BRACE AND SHORE ALL BUILDING COMPONENTS. 6. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EQUIPMENT AND UTILITIES TO BE REMOVED. REMOVALS SHALL BE COORDINATED WITH THE OWNER AND ALL BUILDING AUTHORITIES HAVING JURISDICTION.

7. CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH RED-LINED AS-BUILT DRAWINGS FOR ANY AND ALL FIELD CHANGES AND/OR ADDITIONS TO THE WORK INCLUDING IN THE DRAWINGS. 8. IF ANY CHANGES AND/OR DEVIATIONS ARE MADE TO THESE PLANS WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR SUCH CHANGES AND/OR DEVIATIONS.

9. IF DURING THE COURSE OF CONSTRUCTION ANY DEVIATIONS ARE MADE AT THE FIELD, AGAIN, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR SUCH CHANGES AND DEVIATIONS. 10.ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT

FOR DESIGN CONFORMANCE ONLY. 11.SUBSTITUTIONS MUST BE REVIEWED AND APPROVED BY THE ARCHITECT OR

ENGINEERS.

12. CONTRACTOR OR SUB—CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING HIS

12. CONTRACTOR OR SUB—CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING HIS OPERATION AND ANY DAMAGE TO HIS WORK WHILE PROJECT IS UNDER CONSTRUCTION. 13. ALL DESIGNS AND DRAWINGS HEREIN AND PRINTS ISSUED BY THE ARCHITECT ARE THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE REUSED ON ANY OTHER LOCATION EXCEPT WHERE THE ONE FOR WHICH THEY WERE EXPRESSLY DESIGNED IF THESE DRAWINGS OR ANY PART THERE OF IS REPRODUCED WITHOUT THE CONSENT OF THE ARCHITECT, THE PERSON SO DOING WILL BE INDEBTED TO ARCHITECT FOR HIS FULL COMMISSION.

TRACT "A"

PLAT BOOK 109, PAGE 32

"LINDSLEY KENDALL

570.66

SYMBOLS:	DRAWING
DWG. DE ₁ T. <u>floor pl</u> NUMBER Scale: I"	TITTLE An = 1'-0" DRAWING SCALE
CROSS 1 DRAV SECTION 4-4 SHEE	WING NUMBER T WHERE DRAWN
4	wing letter T where drawn
11 1 1 L 1 1 C 1 \ \ \(\(\(\(\(\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	VATION NUMBER DIRECTION
DETAIL A-2 SHE	AWING NUMBER EET WHERE AWN
DEMO (202)	~ VVI V
DOOR MARK (DO1)	WINDOW (W1) MARK

 $\mathcal{O}_{\mathcal{I}}$

442 501

ZШ

S.W. 88th. STREET NORTH KENDALL DRIVE PLAZA^{*} S.W. 90th. STREET LOCATION SKETCH

NORTHEAST 1/4, SECTION 3-55-39

Received

7/17/2012

Berkowitz Development

Group

 ∞ "KENDALL SQUARE" PLAT BOOK 111, PAGE 43 —SUBJECT BLDG. & 4068.25 PARKING AREA TO TO BE MODIFIED S01°50'07''E ONE STORY C.B.S. DRIVE, CONCRETE WALK KENDALL STREET(NORTH90th.CONCRETE STREET \blacksquare CONCRETE WALK ∇ BUILDING 88th. ∇ **ASPHALT**

WEST LINE, N.E. 1/4, N.E. 1/4, N.E. 1/4, SECTION 3-55-39 -

TRACT "A"

"HIGATE SQUARE" PLAT BOOK 107, PAGE 62

EXISTING SITE PLAN SCALE: 1/32" =1'-0"

ASPHALT

PROPERTY ADDRESS

13755 SW. 90th Street, Miami, Florida 33176 LEGAL DESCRIPTION

The West 266.0 feet of the Southeast 1/4 of the Southeast 1/4 of the Northeast 1/4 of the Section 9, Township 55 South, Range 40 East, lying and being in Dade County, Florida, subject to road right of way as to the South 35 feet and the North 25 feet thereof

Containing 163,100 square feet. 3.74 acres more or less by

Property Address: 8795 SW. 112th Street, Miami, Florida 33176 Folio Number : 30-5009-000-0300

and
The East 1/2 of the Southeast 1/4 of the Southwest 1/4 of the
Southeast 1/4 of the Northeast 1/4 of Section 9, Township 55, Range
40 East, lying and being in Dade County, Florida, subject to road right of way as to the South 35 feet thereof

and Containing 50,190 square fet. 1.15 acresmore or less by calculations. Property Address: 8819 SW. 112th Street, Miami, Florida 33176 Folio Number: 30-5009-000-0441

The West 1/2 of the Southeast 1/4 of the Southwest 1/4 of the Southeast 1/4 of the Northeast 1/4 of the Section 9, Township 55 South, Range 40 East, lying and being in Dade County, Florida, subject to road right of way as to the South 35 feet and the West 25 feet Containing 42,650 square feet. 0.98 acres more or less by thereof

Property Address: 11101 SW. 88th Courtt, Miami, Florida 33176 calculations.
Folio Number: 30-5009-000-0440

SCOPE OF WORK:

- CHANGE OF USE FROM RETAIL TO DAYCARE - INTERIROR "MINOR ALTERATION" TO ACCOMMODATE DAYCARE IN EXIST BUILDING - ENCLOSE EXTERIOR AREA WITH CHAINLINK FENCE FOR PLAYGROUND.

- PROV. SAFETY BOLLARDS. MODIFY PARKING BY TURNING 6 PKG INTO

- NO MODIF, TO LIGHTING OR PKG, DRAINAGE

NOTE:

- EXIST. GREEN AREA. · WATER FLOWS TO EXIST, GREEN AREA. (WATER CONTAINED WITHIN SITE).

DRAINAGE RETAINS WATER IN PROPERTY

LEGEND: FIRE HIDRANT TELEPHONE SERVICE BOX P PROPERTY LINE UTILITY POLE

Revisions \06.06.12 -1st. ISSUE

YCARE NEW

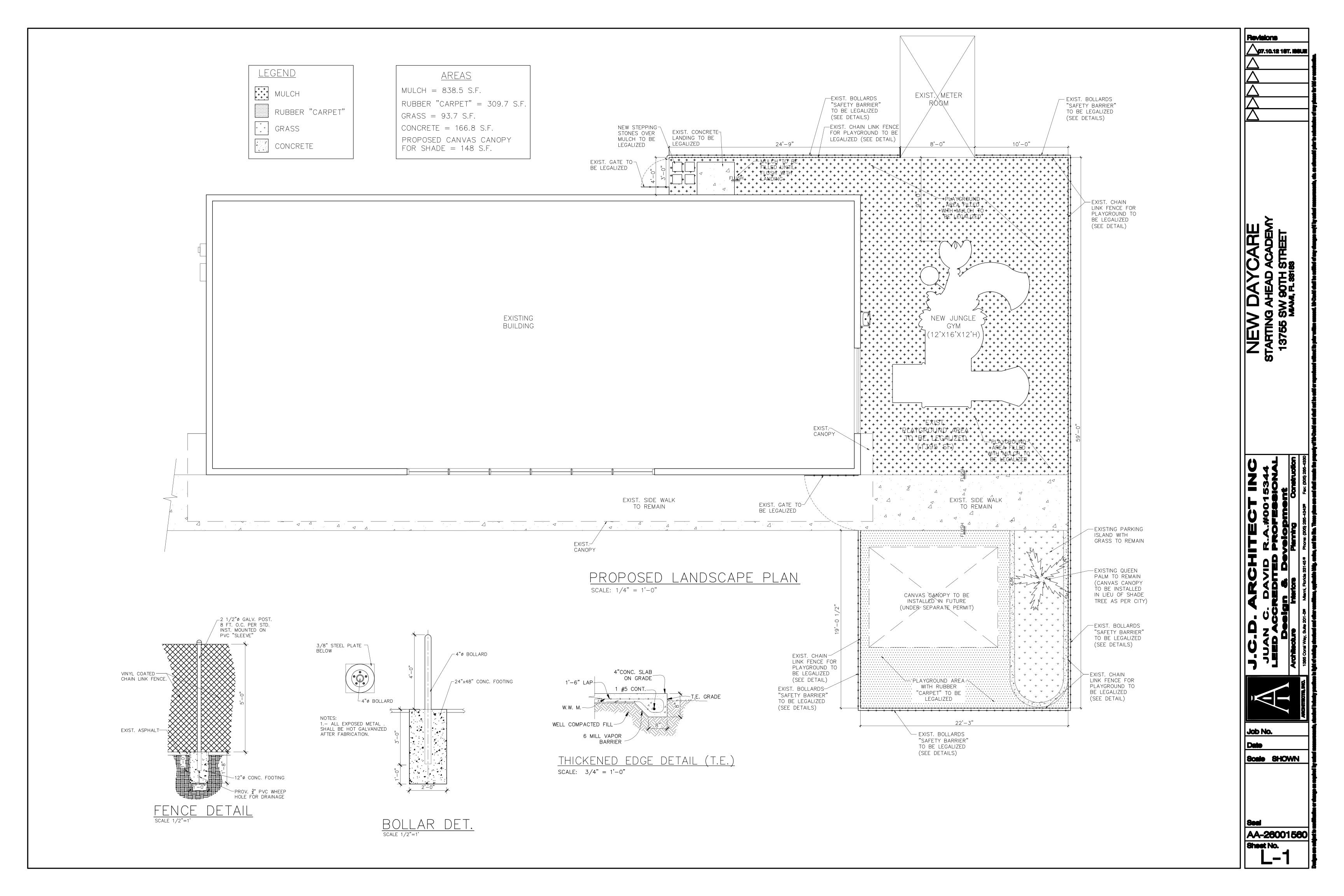
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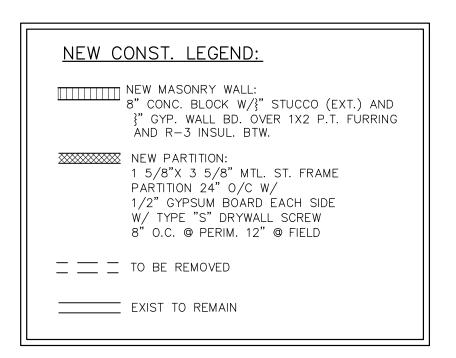
Date

Scale SHOWN

AA-26001560 Sheet No.

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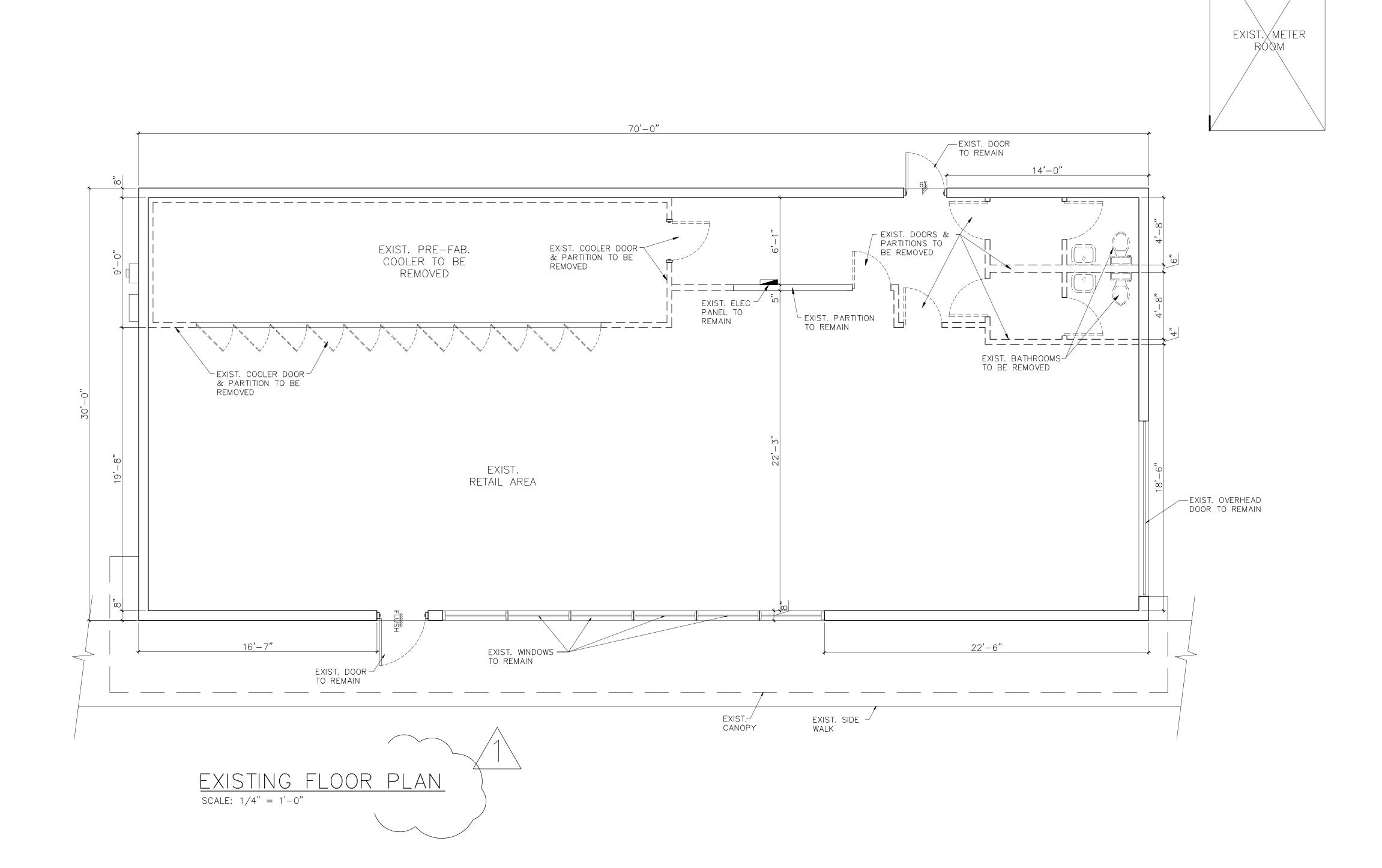




GENERAL NOTES

ARCHITECT OR ENGINEERS.

- 1. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 AND ALL REGULATORY LOCAL AND GOVERNMENTAL CODES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THE ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED BEFORE PROCEEDING WITH THE WORK.
- 3. CONTRACTOR TO ACQUIRE ALL REQUIRED PERMITS FOR THE CONSTRUCTION AND SUBSEQUENT OCCUPANCY OF THE PROJECT.
- 4. ALL WORK DONE UNDER THE SUPERVISION OF THE CONTRACTOR SHALL BE DONE IN A NEAT AND WORKMAN—LIKE MANNER AND IN ACCORDANCE WITH ALL GOVERNING AGENCIES, RULES AND REGULATIONS HAVING JURISDICTION.
- 5. CONTRACTOR TO PROVIDE ALL SUPPLEMENTARY MATERIALS REQUIRED TO INSTALL, SUPPORT, BRACE AND SHORE ALL BUILDING COMPONENTS.
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- 7. CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH RED-LINED AS-BUILT DRAWINGS FOR ANY AND ALL FIELD CHANGES AND/OR ADDITIONS TO THE WORK INCLUDING IN THE DRAWINGS.
- 8. IF ANY CHANGES AND/OR DEVIATIONS ARE MADE TO THESE PLANS WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR SUCH CHANGES AND/OR DEVIATIONS.
- 9. IF DURING THE COURSE OF CONSTRUCTION ANY DEVIATIONS ARE MADE AT THE FIELD, AGAIN, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR SUCH CHANGES AND DEVIATIONS.
- 10. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR DESIGN CONFORMANCE ONLY.11. SUBSTITUTIONS MUST BE REVIEWED AND APPROVED BY THE
- 12. CONTRACTOR OR SUB—CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING HIS OPERATION AND ANY DAMAGE TO HIS WORK WHILE PROJECT IS UNDER CONSTRUCTION.
- 13. ALL DESIGNS AND DRAWINGS HEREIN AND PRINTS ISSUED BY THE ARCHITECT ARE THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE REUSED ON ANY OTHER LOCATION EXCEPT WHERE THE ONE FOR WHICH THEY WERE EXPRESSLY DESIGNED IF THESE DRAWINGS OR ANY PART THERE OF IS REPRODUCED WITHOUT THE CONSENT OF THE ARCHITECT, THE PERSON SO DOING WILL BE INDEBTED TO ARCHITECT FOR HIS FULL COMMISSION.

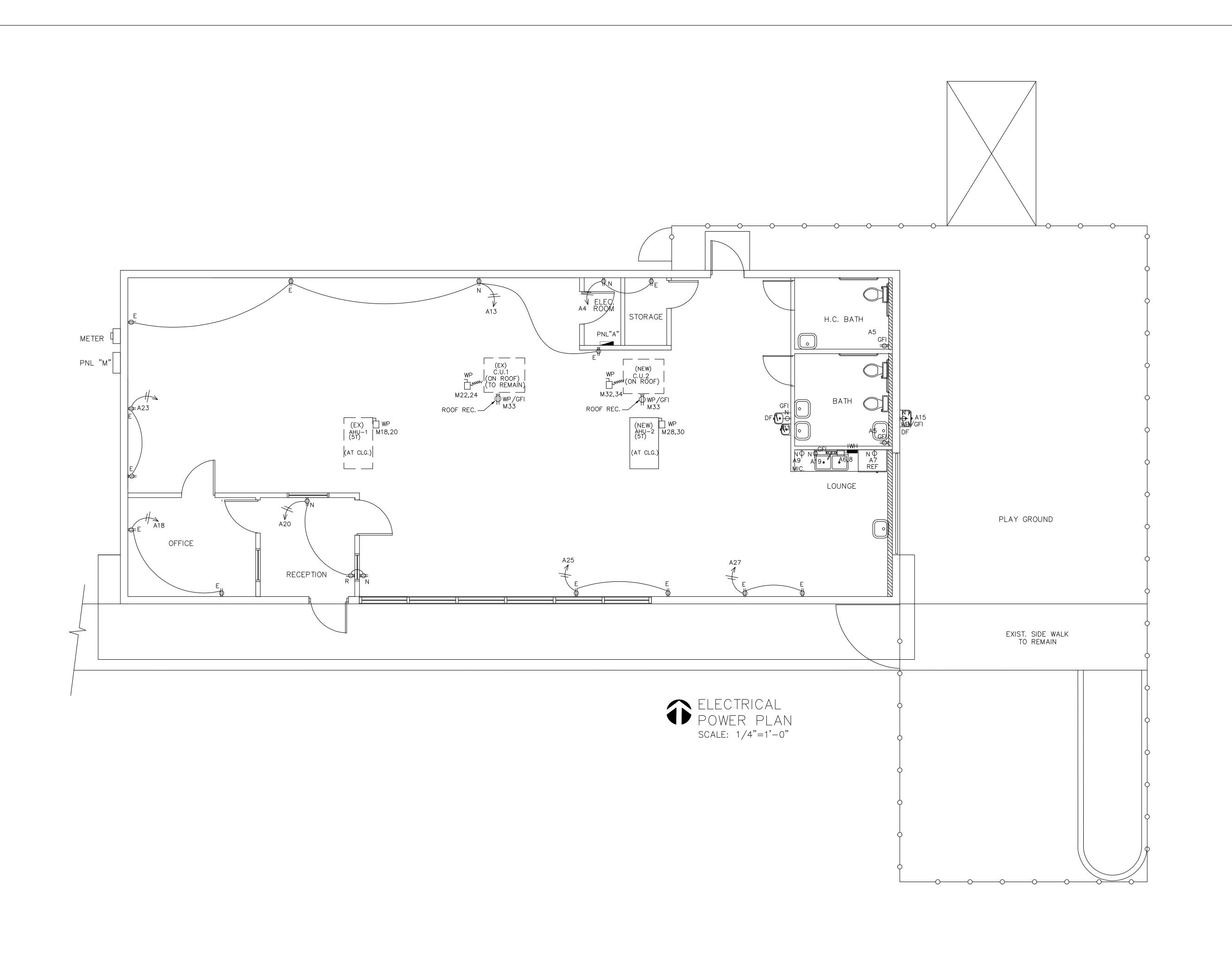


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Revisions

06.06.12 1ST.ISSUE

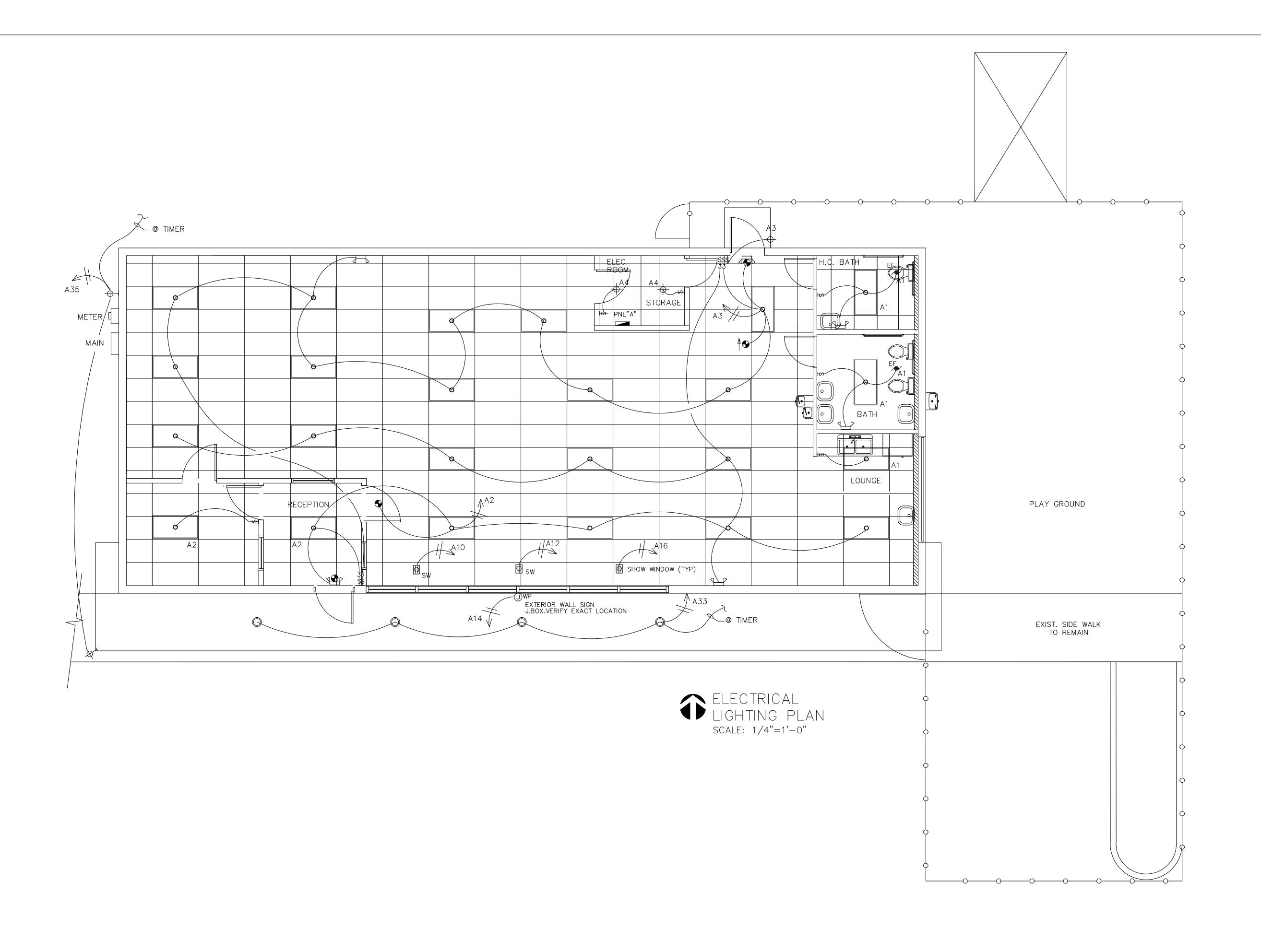


Job No.

Scale SHOWN

AA-26001560

Sheet No.



STARTING AHEAD ACADEMY
13755 SW 90TH STREET
MIAMI, FLORIDA 33183

Revisions

___06.06.12 1ST.ISSUE

JCD ARCHITECT, Inc.
JUAN C. DAVID R.A. # 0015344
Design & Development
LEED ACCREDITED PROFESSIONAL
Architecture Interiors Planning Construction



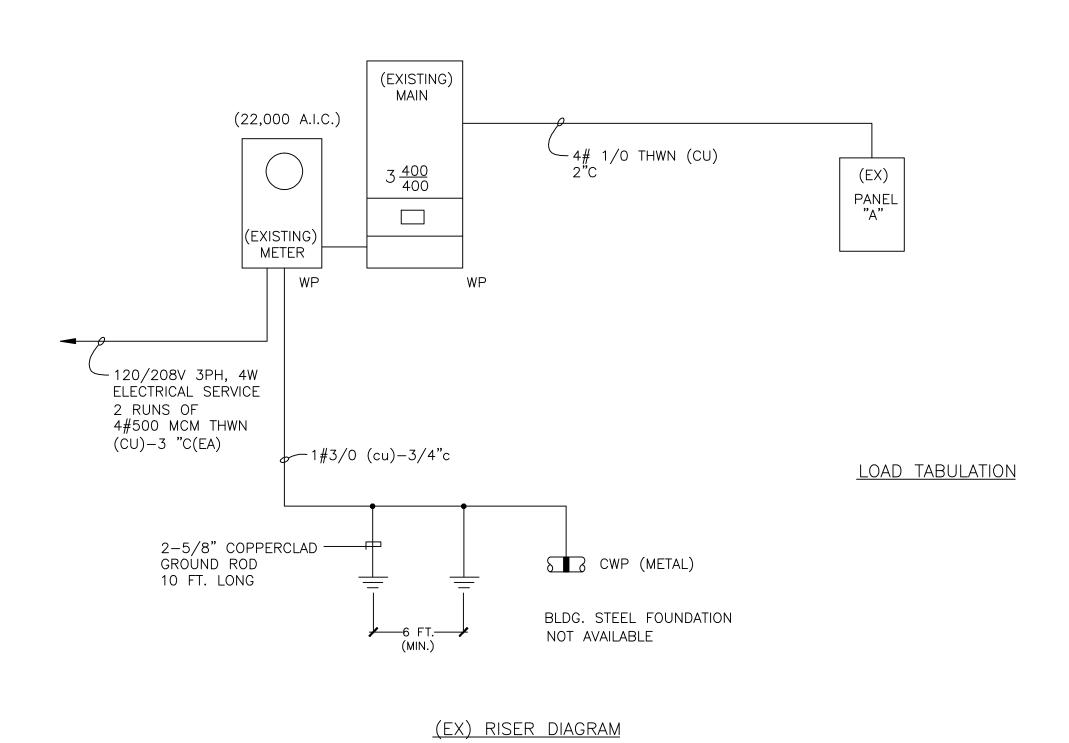
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Date

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AA-26001560 Sheet No. E-2



NTS

ELECTRICAL NOTES

- 1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES.
- 2. COORDINATE ELECTRICAL SERVICE W/FLORIDA POWER AND LIGHT COMPANY.
- 3. ALL TELEPHONE RELATED EQUIPMENT PER TELEPHONE CO. AND ANSI/EIA/TIA-570
- 4. ELECTRICAL INSTALLATION DESIGN OF THIS PLAN IN IN COM-PLIANCE AS SET FORTH BY STATE OF FLORIDA STATUTES MODEL ENERGY EFFICIENCY CODES.
- 5. THE CONTRACTOR WILL EXAMINE THE JOB SITE AND DETERMINE FOR HIMSELF PRIOR TO SUBMISSION OF BID EXISTING CONDITIONS.
- 6. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. IT WILL BE HIS RESPONSIBILITY TO SECURE AND PAY FOR ANY PERMITS, CERTICATES OF INSPECTION, AS REQUIRED.
- 7. SUBSTITUTE MATERIALS EQUIPMENT OR METHODS SHALL NOT BE MADE WITHOUT APPROVAL OF THE ENGINEER. IF THE USE OF A SUBSTITUTE REQUIRES ANY CHANGE IN WORK. THE NECESSARY FOR SUCH CHANGE WILL BE BROUGHT TO THE ATTENTION OF THE ENGI-NEER. AND IF APPROVED, SHALL BE MADE AT NO COST TO THE
- 8. CLEAN UP SUCH TRASH AND DEBRIS GENERATED BY THE WORK AND LEAVE COMPLETED WORK IN A CLEAN, UNDAMAGED, AND FINISHED CONDITION READY TO RECEIVE WITHOUT FURTHER PREPARATION, UNLESS SO SPECIFIED IN OTHER SECTIONS, ANY ADJACENT OR ABUTTING WORK TO BE PERFORMED BY OTHERS.

- 9. MATERIALS, APPLIANCES, DEVICES AND EQUIPMENT SHALL MEET WITH THE REQUIREMENTS OF UNDERWRITERS' LABORATORIES AND SHALL BE NEW AND THE LATEST STANDARD PRODUCTS OF MANUFAC-TURERS REGULARLY ENGAGED IN THE PRODUCTION OF THE ITEM, UNLESS OTHERWISE INDICATED. LIKE ITEMS SHALL BE THE PRO-DUCT OF A SINGLE MANUFACTURER.
- 10. ALL CONDUCTORS SHALL BE COPPER AND RUN IN CONDUIT. WIRE SIZE SHALL BE THWN UNLESS OTHERWISE NOTED ON PLANS. PROVIDE GROUND CONDUCTOR PER NEC ARTICLE 250-122.
- 11. LOCATION OR OULETS IN ELECTRICAL DRAWINGS IS DIAGRAMMATIC: CHECK MANUFACTURER'S DRAWING FOR EXACT LOCATION OF OUTLETS.
- 12. PROVIDE TYPEWRITTEN SCHEDULES FOR ALL PANELBOARDS.
- 13. A/C EQUIPMENT WIRING, BREAKER AND FUSE SIZES ARE BASED ON A/C EQUIPMENT SPECIFIED ON ORIGINAL CONTRACT DRAWINGS. CON-TRACTOR IS RESPONSIBLE FOR PROVIDING ALL WIRING, BREAKER AND FUSES SIZES IN ACCORDANCE WITH A/C EQUIPMENT NAMEPLATE REQUIREMENTS IF DIFFERENT FROM THAT SPECIFIED ON DRAWINGS, AS WELL AS ANY FEEDER CHANGES BEING AFFECTED BY THIS CHANGE. CONTRACTOR SHALL MAKE ABOVE MENTIONED CHANGES AT NO EXTRA COST. HACR CIRCUIT BREAKERS MAY BE USED IN PLACE OF FUSES. USE NON-AUTOMATIC SWITCH FOR A/C COND. DISCONNECT. (COMPLY W/NEC 110-26)
- 14. ALL SMOKE DETECTORS TO BE INTERCONNECTED ON SAME CKT (KITCHEN OR BATH LTG.)
- 15. RANGE AND DRYER SHALL HAVE BOTH NEUTRAL & GROUNDING WIRE PER NEC ARTICLE 250-140.
- 16. ALL BEDROOM RECEPTACLES SHALL BE PROTECTED BY AN "ARC-FAULT CIRCUIT INTERRUPTOR".(AFCI)

SMOKE DETECTOR	
KITCHEN OR BATHROOM LIGHT	LINE SIDE 120V OF SWITCH
SWITCH -	
SWITCH LEG	
	PHASE CONDUCTOR

SMOKE DETECTOR CONNECTION DETAIL

NOTES:

1-SMOKE DETECTOR SHALL BE HARDWIRED (110 VOLT TYPE) TO A NON-SWITCHABLE KITCHEN OR BATHROOM LIGHTING CIRCUIT WITH BATTERY BACK-UP AND SHALL NOT BE CONNECTED ONTO THE LOAD SIDE OF GROUND FAULT CIRCUIT INTERRUPTER. ALL SMOKE DETECTORS WITHIN EACH UNIT SHALL BE INTERCONNECTED

2-SMOKE DETECTOR SHALL NOT BE PLACED WITHIN 3FT. OF ANY A/C GRILL.

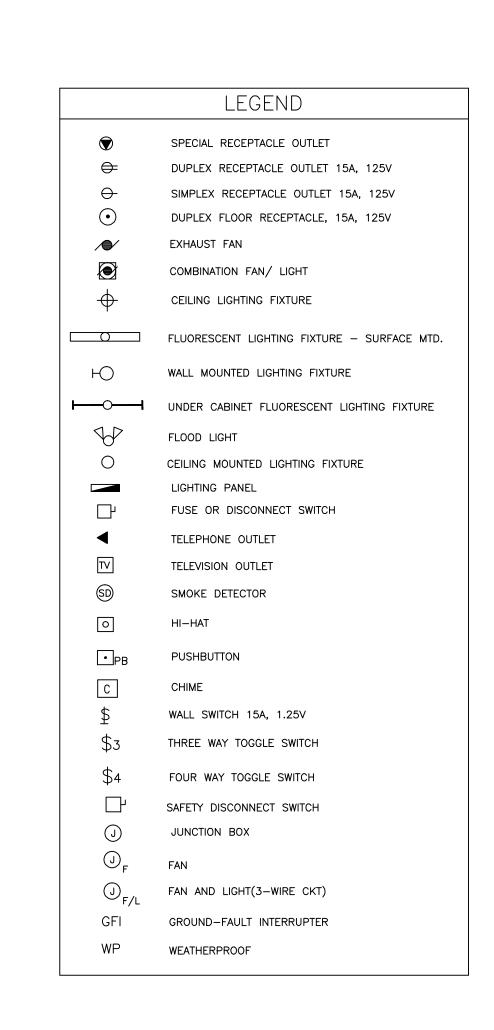
3-SMOKE DETECTORS LOCATED OUTSIDE OF SLEEPING AREAS SHALL NOT BE PLACED CLOSER THAN 3FT. TO BATHROOM DOOR.

4-THE MOUNTING AND LOCATION OF UNIT SMOKE DETECTORS SHALL COMPLY WITH NFPA 72 SEC.2-5.2.1.6 . CEILING MOUNTS NOT LESS THAN 4" FROM A WALL-WALL MOUNTS NOT LESS THAN 4" FROM CEILING NOR MORE THA 12" TO TOP OF DETECTOR.

120/208V 3PH, 4W			`			EL "M"			400A M.C.B. SURFACE MTD.
			BRA	ANC	H (CIRCUIT			
LOCATION	WIRE AND CONDUIT	TOTAL V.A	BREAKER TRIP	CKT NO.	CKT NO.	BREAKER TRIP	TOTAL V.A	WIRE AND CONDUIT	LOCATION
				1	2				
				3	4				
				5	6				SPACE
				7	8				
				9	10				
SPACE				11	12				SPACE
				13	14				
				15	16				
SPACE				17	18	2P	5500	2#6-3/4°C	(EX) A.H.U. #1
				19	20	60	5500		(10 KW)
				21	22	2P	(3500)	2#6-3/4"C	(EX) C.U. #1
SPACE				23	24	60	(3500)		(5 Tons.)
				25	26				SPACE
				27	28	2P	5500	2#6-3/4"C	(NEW) A.H.U. #2
SPACE				29	30	60	5500		(10 KW)
				31	32	2P	(3500)	2#6-3/4"C	(NEW) C.U. #2
ROOF RECP. GFI	#12-1/2°C	720	1P-20	33	34	60	(3500)		(5 Tons.)
		11360	3P	35	36				SPACE
(EX) PANEL "A"	4#1/0-2"C	11350	150	37	38				SPACE
		11350		39	40				
				41	42				
SUBTOTAL		34,780	TOTAL	= 56	5,780	(158A)	22,000	SUBTOTAL	

	120/208V 3PH, 4W					(EX	() F	PANE	EL	"A"					150A M.L.O. SURFACE MTD.	
						BRA	ANC	H (CIRC	CUIT	S					
	LOCATION	WIRE .	AND JIT	TOTAL V.A		AKER RIP	CKT NO.	CKT NO.		AKER RIP	TOTAL V.A		RE AND NDUIT		LOCATION	
	LIGHTING	EXIST		1600	1P-	-20	1	2	1P	-20	1600	EXIS	STING	LIG	HTING	
	LIGHTING	EXIST	ING	1600			3	4	1P	-20	1600	EXIS	STING	LIG	SHTING	
	RECEPTACLES GFI	#12-	-1/2"C	1500			5	6	2	:P	4250	3#8-	-3/4"C	INS	ST. WATER HTR.	
	REFRIGERATOR			1500			7	8	5	0	4250			(8.	5KW)	
	MICROWAVE			1500			9	10	1P	-20	1600	#12-	-1/2"C	SH	OW WINDOW	
	D. FOUNTAIN			720			11	12			1600			SH	OW WINDOW	
	RECEPTACLES			900			13	14			1500			SIC	GN	(a)
	D. FOUNTAIN			720			15	16			1600		•	SH	OW WINDOW	
	F. ALARM			600			17	18			720	EXIS	STING	RE	CEPTACLES	
	LOUNGE		ļ	1500	,		19	20	,		720	EXIS	STING	RE	CEPTACLES	
	SPACE						21	22						SPA	ACE	
	RECEPTACLES	EXIST	ING	720	1P-	-20	23	24								
	RECEPTACLES	EXIST	ING	720	1P-	-20	25	26								
	RECEPTACLES	EXIST	TING	720	1P-	-20	27	28								
	SPACE						29	30								
	SPACE						31	32								
(a)	EXT. LIGHTING	EXISTI	NG	900	1P-	-20	33	34								
(a)	EXT. LIGHTING	EXISTI	NG	900	1P-	-20	35	36								
	SPACE						37	38								
							39	40								
							41	42							↓	
	SUBTOTAL			14,600	TC	DTAL	= 34	1,060	(95	A)	19,400	S	UBTOTAL	•		

(a) ON TIMER



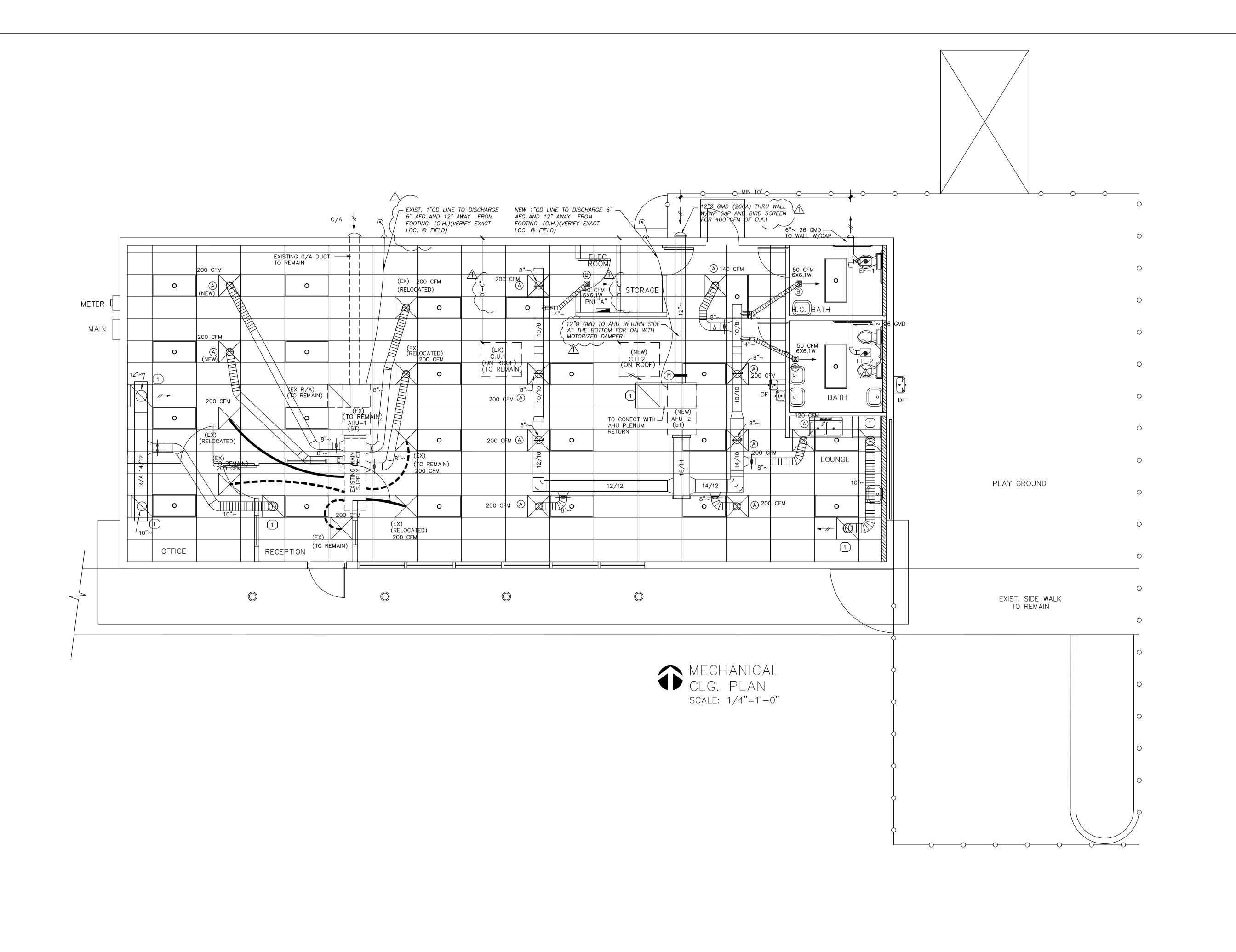
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Revisions

Q6.06.12 1ST.ISSUE

Scale SHOWN

AA-26001560 Sheet No.



NEW DAYCARE
STARTING AHEAD ACADEMY
13755 SW 90TH STREET
MIAMI, FLORIDA 33183

Revisions

06.06.12 1ST.ISSUE

1\07.10.12 CITY COMM

Job No.

Scale SHOWN

AA-26001560 Sheet No.

DUCT SIZE	HANGER SIZE	MAX. SPACING	
UP THRU 2 S.F.	1∖" x 26 G	8'-0"	
2 THRU 4 S.F.	1\" x 1/16"	8'-0"	(
4 THRU 10 S.F.	1\" x 1/16"	6'-0"	
OVER 10 S.F.	1\" x 1/16"	4'-0"	
NOTE			
	ER. ALL PIPING	SHALL BE EVACU	ATED

THERMOSTAT

TURNING VANE

VOLUME DAMPER, IN LINE

FLEXIBLE ROUND DUCT

OPPOSED BLADE DAMPER
ELECTRIC STRIP HEATER

MOTORIZED DAMPER

SPLITTER DAMPER

FIRE DAMPER
SMOKE DETECTOR

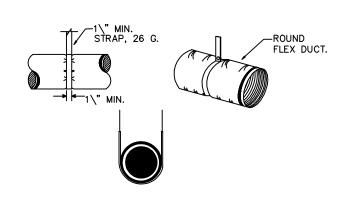
VOLUME DAMPER, AT TAKE OFF

SUPPLY AIR DUCT RECTANGULAR CROSS SECTION
RETURN AIR DUCT RECTANGULAR CROSS SECTION

₹ ■ }

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DUTSIDI	AIR	CALCU	LATIONS	PER	ASHRAE	62.1&	FBC	2010
DAY	CARE	L FACILITIE D .17 CFM	<u>S</u> /PER , 2	5 PER/	1000 SQ-FT			
			N: 2100 SQF % 1000 SQF		PEOPLE			
52	PER X	17 CFM/PE	R= 884 CFN	M REQ'D				
PR 40	OVIDED (800 CFM 0	/A SYSTEM.					

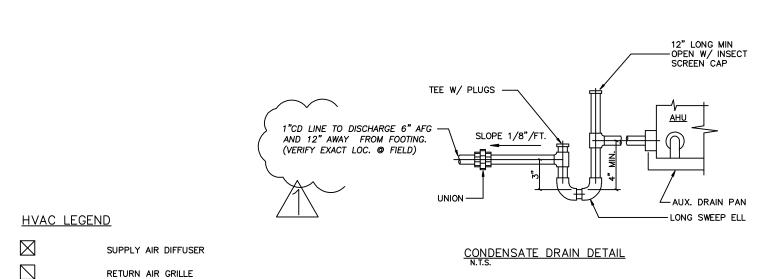
NOTES

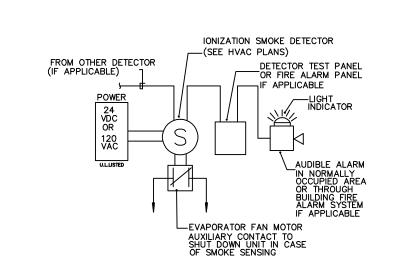
1 OUTDOOR AIR PROVISIONS FOR VENTILATION SHALL SATISFY THE MINIMUM REQUIREMENTS FOR ACCEPTABLE INDOOR AIR QUALITY AS PER ASHARE 62.1 OR FBC (2010) 13 — 403.3 VENTILATION RATE PROCEDURE.

2 THE MECHANICAL SYSTEMS SHALL BE DESIGNED TO ASSURE THAT BUILDING ARE PRESSURIZED WITH RESPECT TO OUTDOORS ACCORDING TO FBC 13—409.1.ABC.2

3 THE FULL VOLUME OF OUTSIDE AIR ESTABLISHED IN THIS SCHEDULE SHALL BE

DELIVER TO THE SPACE AT ALL TIMES THAT THE BUILDING IS OCCUPIED

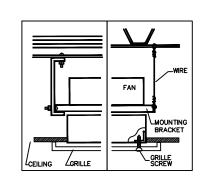


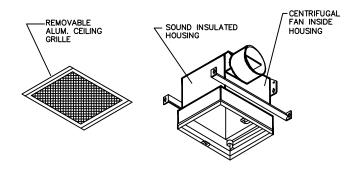


HVAC DESIGN REQUIRES:	YES	NO	
DUCT SMOKE DETECTOR	×		
FIRE DAMPER (S)	×		
SMOKE DAMPER(S)		×	
FIRE RATED ENCLOSURE		×	
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		×	
FIRE STOPPING		x	
SMOKE CONTROIL		×	

		AIR	DISTRIBUTION	SCHE	DULE		
SYMBOL	USE	CFM	TYPE	NECK	DESCRIPTION PANEL	MAT'L	DESING,MFGR. & MODEL#
A	SUPPLY/AIR	0-50 60-100 105-230 230-420 420-680	PERFORATED CEILING DIFFUSER. LAY-IN	4"~ 6"~~ 10"~ 12"~	24×24	STEEL PAINTED	TITUS PAS
В	SUPPLY/AIR	0-50 60-100 105-230 230-420 420-680	SUPPLY GRILLE DOUBLE DEFLECTION	4"~ 6"~ 80"~ 10"~	6x6 8x8, 12x6 12x8 24x6, 18x8, 36x6, 27x8,	12x1 2 18x12	TITUS 300 SERIES
1	RETURN AIR		RETURN GRILLE PERFORATED CEILING LAY-IN		24×24		TITUS PAR SERIES

	MANUFACTURER			FAN SCH	EDULE	DIMENSIONS	WEIGHT	
FAN #	AND MODEL NO.	RPM	HP	CFM 8" S.P.	VOLTS/PH/Hz	WxLxH (IN.)	LBS.	REMARKS
EF-1	GREENHECK SP-6	1,500	1/18	50 @ 0.125"	115/1/60	9 x 8 x 6		CEILING EXHAUST FAN W/ WP WALL CAP INSRCT SCREEN AND DAMPER.
EF-2	GREENHECK SP-7	950	1/18	100 @ 0.125"	115/1/60	9 x 8 x 6		CEILING EXHAUST FAN W/ WP WALL CAP INSRCT SCREEN AND DAMPER.

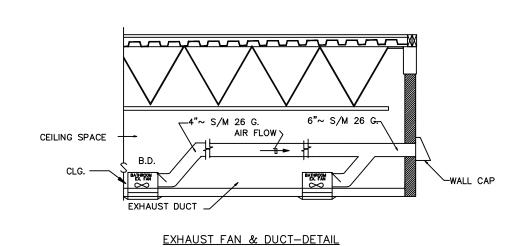




EXHAUST FAN & DUCT-TIPICAL DETAIL N.T.S. (AS NEEDED)

TYPICAL TYPE EXHAUST FAN DETAIL N.T.S.

GUARD WHERE NECESSARY (R6) INSULATED GALV. STEEL SUPPLY AIR DUCT (SEE PLAN VIEW) SEAL JOINT W/DUCT SEALER AND TAPE VOLUME DAMPER AIR FLOW LIOW PRESSURE 3003 AL. ALLOY DUCT MECHANICALLY LOCKED JOINT. SEAL INSULATED FLAER AND TAPE MAX. 14' Lg. ADAPTOR DIFFUSER W/DAMPER FLEXIBLE DUCT CONNECTION DETAIL N.T.S.



AIR CONDITIONING SYSTEM - GENERAL NOTES:

- 1. DUCTWORK SHALL BE 1 1/2" THICK, 3 POUNDS PER CUBIC FOOT DENSITY FIBERGLASS WITH VAPOR BARRIER, UNLESS OTHERWISE SPECIFIED. DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ACCORDING TO "ASHRAE" AND "SMACNA" STANDARDS.

 DUCT DIMENSIONS ARE IN INCHES AND CORRESPOND TO INSIDE DIMENSIONS WIDTH X HEIGHT. DUCT SYSTEM SHALL COMPLY WITH "NFPA" STANDARD NO. 90A AND/OR 90B. DUCTWORK AND COMPONENTS SHALL BE CLASS 1 MATERIALS IN ACCORDANCE WITH U.L. 181
- 2. COORDINATE LOCATIONS, SIZES AND OPENINGS WITH OTHER TRADES ON THE JOB. A/C CONTRACTOR SHALL PROVIDE THE COMPLETE DUCT SYSTEM A/C CONTRACTOR SHALL USE THE BEST PRACTICES OF THE TRADE IN THE FABRICATION AND INSTALLATION OF THE SYSTEM.
- 3. DIFFUSERS SHALL BE SELECTED, LOCATED, AND BALANCED IN ORDER THAT THEY DELIVER THE REQUIRED CFM TO THE ENTIRE ROOM EVENLY AND DRAFT FREE TO MAINTAIN THE FOLLOWING DESIGN CONDITIONS:

 OUTSIDE

 COOLING 76^ DB

 91^ DB 79^ WB

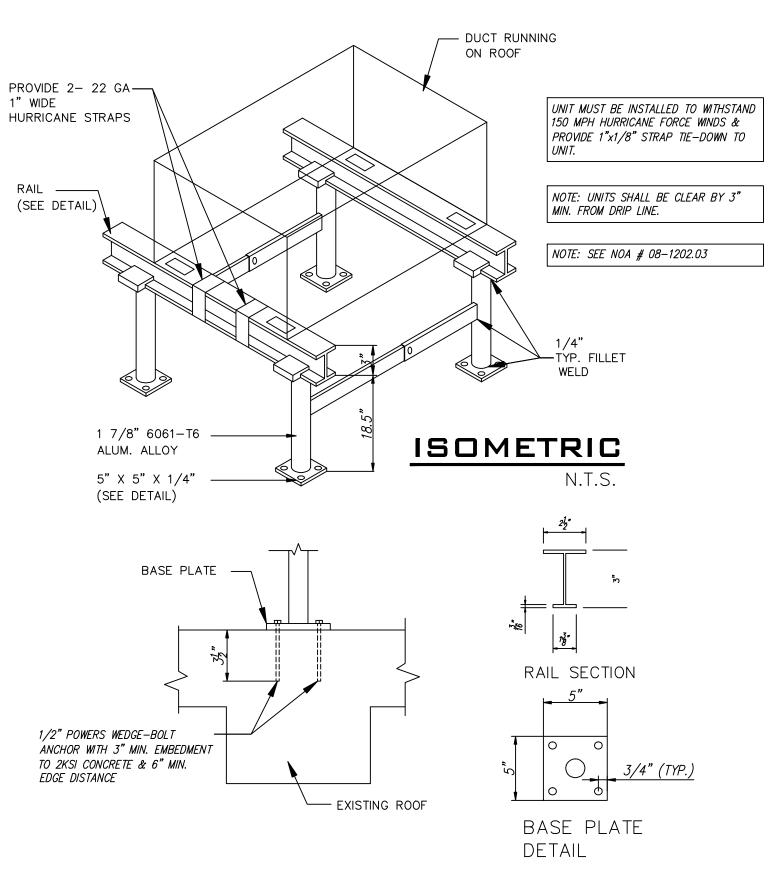
 50% TO 60%
- 4. ALL FAN UNITS, MOTORS, COMPRESSORS, ETC. SHALL BE ISOLATED, AS REQUIRED TO OPERATE QUIETLY SO THAT NOOBJECTIONABLE SOUND WILL BE HEARD IN THE HABITABLE SPACES DUE TO AIR VELOCITY, MOTOR HUM, VIBRATION, OR MECHANICAL MOVEMENT.
- 5. A/C SYSTEM SHALL HAVE CLEANABLE AIR FILTERS LOCATED AS REQUIRED FOR EASY ACCESSIBILITY.
- 6. A/C SYSTEM SHALL BE CONTROLLED BY A THERMOSTAT. MOUNT THERMOSTAT 5'-0" ABOVE FINISHED FLOOR, U.O.N.

- ALL GRILLS AND DIFFUSERS TO BE ALUMINUM CONSTRUCTION. DIFFUSERS TO HAVE OPPOSED BLADE DAMPERS. PROVIDE GASKETS ON ALL GRILLES, TITUS OR AIREGUIDE OR APPROVED EQUAL WITH ENAMEL FINISH COLOR BY ARCHITECT.
- 8. ALL REFRIGERANT PIPING SHALL BE COPPER TYPE L —
 ACR TYPE, DEHYDRATED AND SEALED. ALL FITTINGS SHALL BE
 WROUGHT COPPER. ALL JOINTS SHALL BE MADE WITH HIGH
 TEMPERATURE BRAZING ALLOY OF NOT LESS THAN 5% SILVER.
 PIPING INSTALLATION NOT LESS THAN 3/4" THICK "ARMAFLEX".
 LIQUID AND SUCTION LINES SHALL BE SIZED ACCORDING TO
 EQUIPMENT MANUFACTURER'S RECOMMENDATIONS FOR EQUIVALENT
 LENGTH OF PIPING RUN FOR CONNECTED TONNAGE. ALL PIPING
 ACCESSORIES SHALL BE CONSTRUCTED AS SUGGESTED BY EQUIPMENT
 MANUFACTURER. ALL PIPING SHALL BE EVACUATED PER GOOD
 PIPING PRACTICE BEFORE START—UP.
- 9 . ALL TOILET RM EXHAUST DUCTS SHALL BE CONSTRUCTED OF SHEET METAL TERMINATE OUTSIDE THE BUILDING, AND BE EQUIPPED WITH A BACKDRAFT DAMPER.
- 10. ALL TOILET/BATH ROOMS, SHALL BE
 PROVIDED WITH A MECHANICAL EXHAUST SYSTEM TO PRODUCE 1 COMPLETE
 AIR CHANGE EVERY 3 MINUTES, EXCEPT THAT WHERE THE VENTILATING AIR
 HAS BEEN CONDITIONED, THERE SHALL BE A COMPLETE AIR CHANGE EVERY
 7-1/2 MINUTES.
- 11. DUCTS FROM TOILET ROOMS SHALL DISCHARGE TO THE OUTSIDE OF THE BUILDING, SHALL BE TERMINATED NOT LESS THAN 6 INCHES ABOVE THE FINISHED ROOF SURFACE, AND SHALL BE SCREENED WITH A CORROSION RESISTANT MATERIAL HAVING A MESH SIZE NOT LARGER THAN 1/2". (PROVIDE GOOSE NECK OR RAIN CAP ON ROOF TERMINATIONS)

	(4) "~ STEEL RODS W/NUTS & WASHERS	EXISTING STEEL ROOF
REFRIGERANT LINES TO CONDENSING UNIT	UNIST	PUT
INSULATION SUPPLY DUCT SUPPLY	BOLTE	D OR O/A DUCT O/A DUCT O/A INTAKE THRU ROOF. MOTORIZED DAMPER
SMOKE DETECTOR O.B.D.	STRAPS NI-FLOW SWITCH, NT SHALL SHUT DOWN ON WATER DETECTION AUX DRAIN TO VISIBLE AREA ABOVE LAVS.	FILTER
CEILING S/A DIFFUSER AUDIBLE & ALARM	RGENCY DRAIN PAN L. BE NOT LESS THAN 1\" DEEP SHALL BE CONSTRUCTED OF LESS THAN QUOZÓ THICK ANIZED SHEET METAL.	RETURN AIR GRILLE OR REGISTER FILTER BASE INSULATED A/C CONDENSATE DRAIN AND UNION BRAIN TO OUTSIDE GREEN AREA OR NEAREST C.B.

HORIZONTAL AIR HANDLER UNIT INSTALLATION DETAIL. NO SCALE

UNIT	MANUFACTURER AND MODEL NO.	NOM. TONS	NOM. CFM	ESP IN. WG.	HEAT. KW	HEATER MODEL	HEAT AMP	HEAT(AMP) MCA/MOP	TOTAL FLA/HP	MIN. AMP.	MAX. AMP.	COOLING CAP. S/T BTUH @ 95' & 67' V	O/A CFM	DIMENSIONS WxLxH (IN.)	REF. LIQ.	LINES SUCT.	WEIGHT LBS.	ELECT. SERVICE VOLTS/PH/Hz	SEER	REF TYPE
AHU#	EXISTING TO REMAIN		1800	.50	10								400					208-230/1/60	<u> </u>	┢
CU# 1	EXISTING TO REMAIN	5.0										43,800/60,000						208-230/1/60		
AHU#	GOODMAN-ARUF486016CA		1800	.50	10		34.3	59/60	4.3 / 3/	4 48	50		400	24 X 22 X 53			192	208-230/1/60	-13.0	
CU# 2	GOODMAN-GSX1306018A	5.0					26.4 (COMP)		1.5/ 1/4	. 34.5	60	39,900/57,000		3 5.5 X 35.5 X 3	83/8	7/8"	240	208-230/1/60		



CONDENSING UNIT SUPPORTS ON ROOF DET.

N.T.S.

STARTING AHEAD ACADEMY
13755 SW 90TH STREET

Revisions

\06.06.12 1ST.ISSUE

1\07.10.12 CITY COMM

JCD ARCHITECT, Inc.
JUAN C. DAVID R.A. # 0015;
Design & Development
LEED ACCREDITED PROFESSION

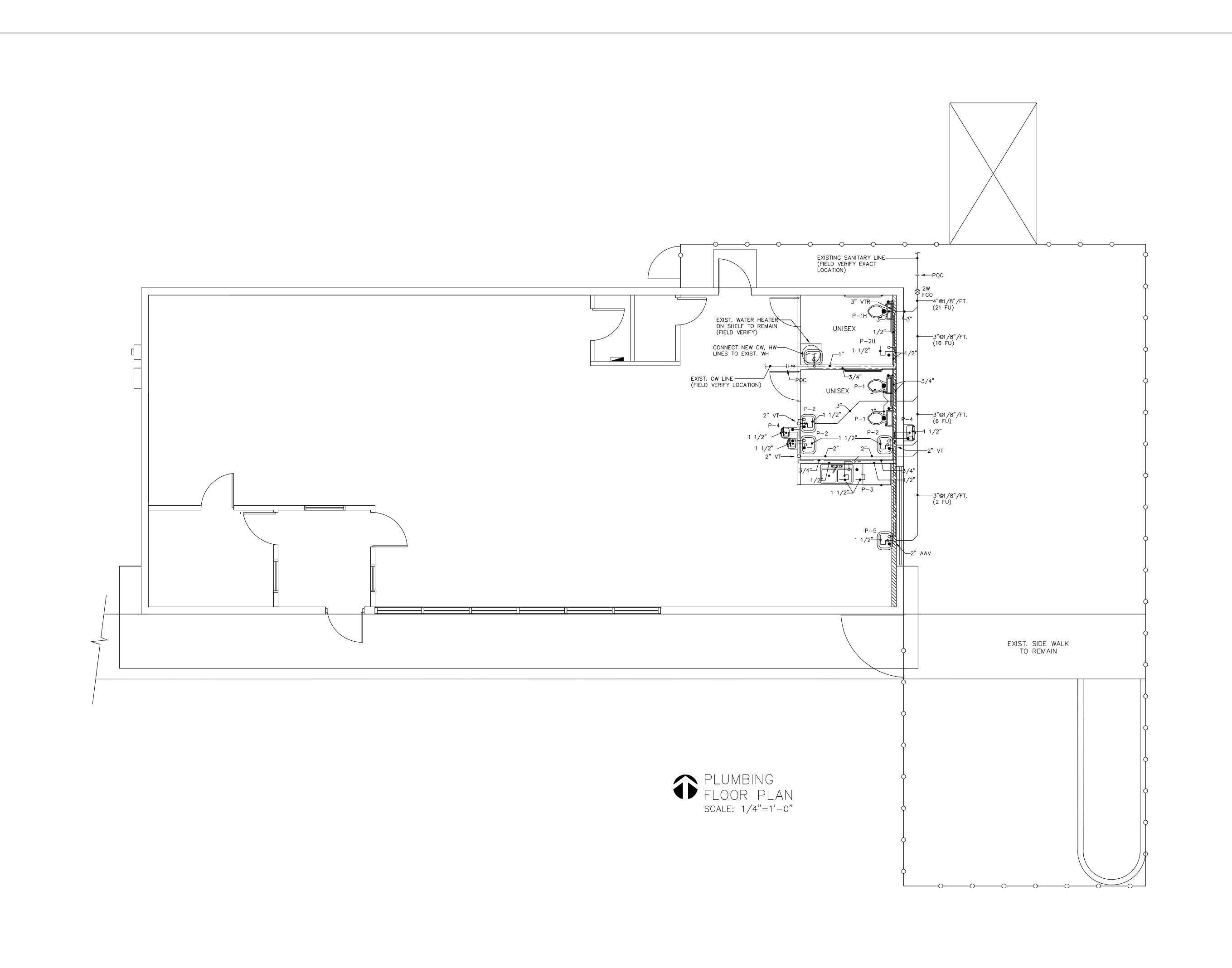
ARCHITECT, INC. 188

Job No.

Date

Scale SHOWN

Seal
AA-26001560
Sheet No.



Revisions

____06.06.12 1ST.ISSUE

Job No.

Scale SHOWN

AA-26001560 Sheet No.
P_1

GENERAL PLUMBING NOTES:

- 1. A. ALL WORK SHALL BE DONE in accordance with the Florida Building Code and with all applicable regulations.
 - B. DRAWINGS: Refer to all drawings for coordination of the plumbing work.
 - C. ARRANGE AND PAY for all permits, licenses, inspections and tests. Obtain the required certificates and present to owner.
 - D. GUARANTEE: The completed installation shall be fully guaranteed against defective materials and/or improper workmanship for a minimum of one year for material and labor.
 - E. ALL HORIZONTAL SANITARY PIPING shall slope at 1/8 inch per foot minimum for 3" and larger and at 1/4" slope for 2 1/2" pipes and smaller.
 - F. ALL materials shall be new, free of defects and correctly labeled with their appropriate listing agency.
- 2. SHOP DRAWINGS: Contractor shall submit for approval, within 30 days of signing contract, a minimum of five copies of fully descriptive literature, including but not limited to: water heaters, and plumbing fixtures. No work shall proceed without the approval of these submittals.
- 3. PLUMBING FIXTURES: Fixtures shall be as selected by owner and shall be furnished and installed by this contractor. Fixtures shall be complete with drains, traps, supplies and any other accessory required. Fixtures and faucets shall comply with the FBC Water saving standards.

4. MATERIALS:

A. PIPING:

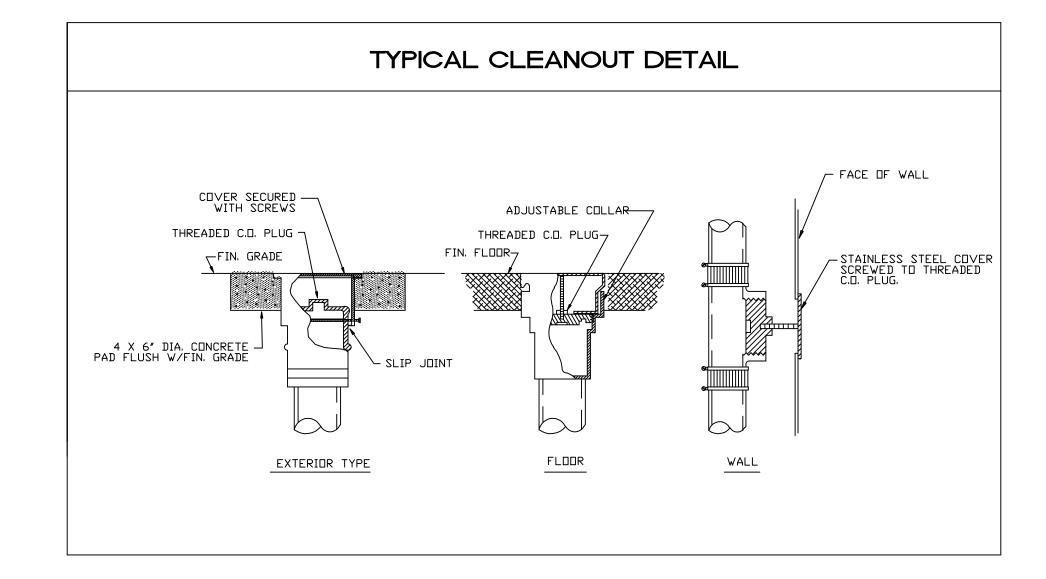
- a. Soil, waste and vent, and storm: Sanitary pipe, Cast Iron under ground, Schedule 40 above ground.

 All no HUB connections shall be with cast iron coupling.

 All piping in return plenums shall be cast iron.
- b. Domestic water: CPVC pipe and fittings.
- c. Domestic water supply assembly: Chrome finish tubing with angle shut off valves in exposed areas.
- d. P & T Relief lines: CPVC pipe and fittings
- e. Drain Pan lines: DWV PVC pipe and fittings.
- f. Insulated all hot water and condensate drain piping.

5. PIPING TEST AND DISINFECTIONS:

- A. Test: All sanitary and domestic water supply piping shall be tested for leaks before piping is concealed or connected to equipment and plumbing fixtures.
- B. Disinfection: All domestic water piping shall be disinfected by introducing a solution of calcium hypochlorite of 50 parts per million of chloride and as per AWWA Standards.
- 6. VALVES: Domestic water valves shall be of bronze body, sweat ends.
- 7. CONTRACTOR SHALL COORDINATE exact location of all plumbing system piping before starting any work. Notify Architect/Engineer of any deviations from design drawings.
- 8. CONTRACTOR SHALL provide all necessary labor and materials for a complete "turn—key" plumbing system.
- 9. CONTRACTOR SHALL keep accurate as—built dwgs on the field and provide them to owner once job is complete.
- 10. CONTRACTOR SHALL familiarize himself with job site and with all construction documents including architectural, electrical. HVAC, and structural dwgs, prior to bidding. Adjustments in the plumbing system to accommodate other disciplines should be expected, and shall not represent additional costs to owner. Notify Architect/Enigneer of any discrepancies prior to commencement of work.
- 11. Provide wall cleanouts at the base of every stack.
- 12. CONTRACTOR SHALL obtain insurance protect against public liability and property damage for the duration of work.
- 16. CONTRACTOR SHALL use dimensions in architectural drawings to rough—in plumbing work.



	DESCRIPTION	WASTE	VENT	WATER		
NO.				COLD	НОТ	REMARKS
P-1H	TANK WATER CLOSET(ADA)	3"		1/2"	1/2"	AS PER ARCHITECTURAL
P-2H	LAVATORY(ADA)	2"	2"	1/2"		AS PER ARCHITECTURAL
P-1	TANK WATER CLOSET	3"		1/2"	1/2"	AS PER ARCHITECTURAL
P-2	LAVATORY	2"	2"	1/2"		AS PER ARCHITECTURAL
P-3	KITCHEN SINK	2"	2"	1/2"	1/2"	AS PER ARCHITECTURAL
P-4	DRINKING FOUNTAIN	2"	2"	1/2"	1/2"	AS PER ARCHITECTURAL
P-5	MOP SINK	2"	2"	1/2"		AS PER ARCHITECTURAL
P-5	MOP SINK	2"	2"	1/2"		AS PER ARCHITEC

NOTES: 1.— All exposed trim, such as P—traps, angle stops, and supplies shall be chrome plated.

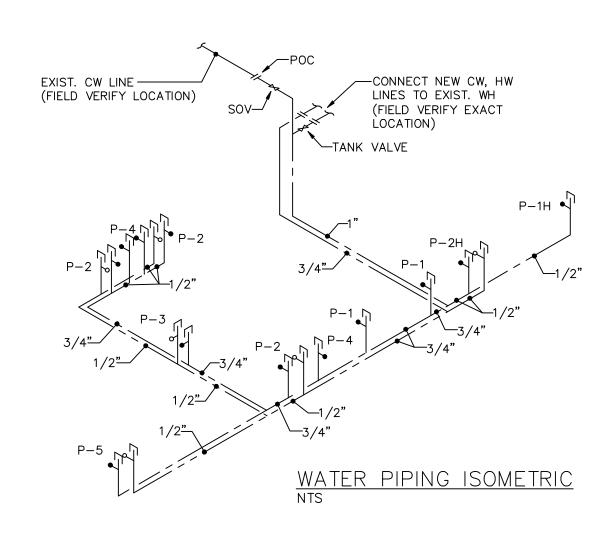
2.— All fixtures shall comply with Reference Standards as per FBC 2010 Plumbing 406 through 421. 603.1, 604.3, & 709.1

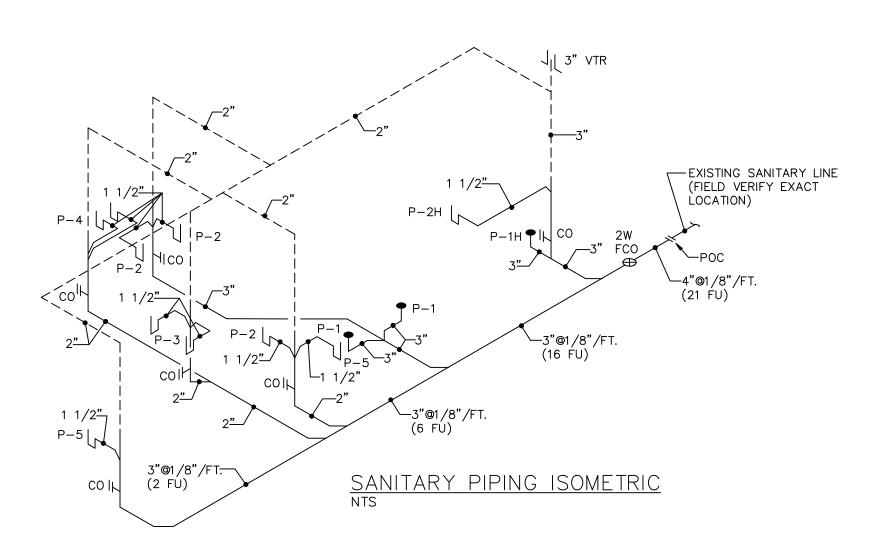
MAXIMUM FLOW RATES AND CONSUMPTION TABLE 604.4				
PLUMBING FIXTURE OR FIXTURE FITTING	FLOW RATE (gpm)	FLOW PRESSURE (psi)		
LAVATORY, PRIVATE	1.0	60		
LAVATORY, PUBLIC, (METERING)	0.25 gallon per metering cycle			
LAVATORY, PUBLIC, (OTHER THAN METERING)	0.50	60		
SINK FAUCET	1.50	60		
WATER CLOSET	1.28 gallons per flushing cycle			

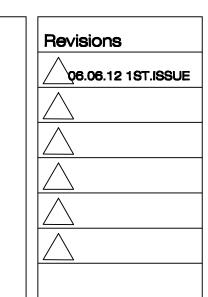
	MAXIMUM NUMBER OR REQUIRED PLUMBING FIXTURES TABLE 403.1									
				WATER CLOSETS		LAVATORIES				
NO.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	MALE	FEMALE	MALE	FEMALE	BATHTUBS/ SHOWERS	DRINKING FOUNTAINS	OTHER
3	EDUCATIONAL	E/D	EDUCATIONAL FACILITIES/ DAYCARE	1 per 50		1 per 50			1 per 100	1 SERVICE SINK

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION				
SD CD	SANITARY LINE VENT LINE STORM DRAIN LINE SAFEWASTE LINE CONDENSATE LINE				
P-	GATE VALVE COLD WATER LINE HOT WATER LINE PLUMBING FIXTURE DESIGNATION				
AAV FCO	AIR ADMITANCE VALVE FLOOR CLEAN OUT				
4	FLOOR PENETRATION				
<u> </u>	MECHANICAL SHOCK ARRESTOR				
WCO	WALL CLEANOUT				
VTR	VENT THRU ROOF				







DAYCAKE

A AHEAD ACADEMY

SW 90TH STREET

: 0015344 5ment ESSIONAL Construction

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LEED AC
Architecture
1385 Coral Way, Suite 201



Job No.

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