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**NEW INTERIOR BUILD-OUT
THE CLOSER'S PI**
900 NW 6TH STREET
FT. LAUDERDALE, FL. 33311



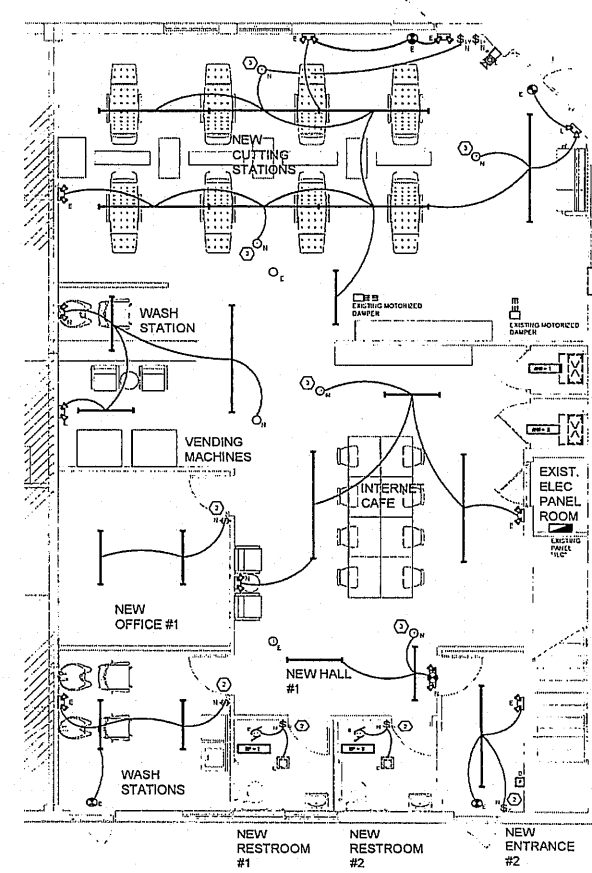
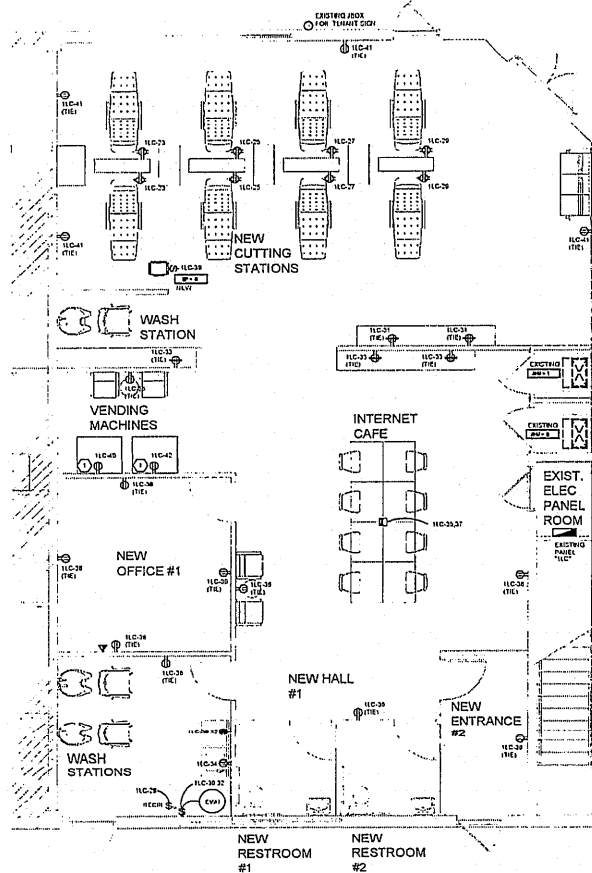
No.	Description	Date

**LIGHTING, POWER,
AND FIRE ALARM
PLAN**

Project Number 21052A
Date 11.23.2021
Drawn By NPT
Checked By AMS

E2.1

Scale



① XXXXXXXX
② XXXXXXXX
③ XXXXXXXX
④ XXXXXXXX
⑤ XXXXXXXX

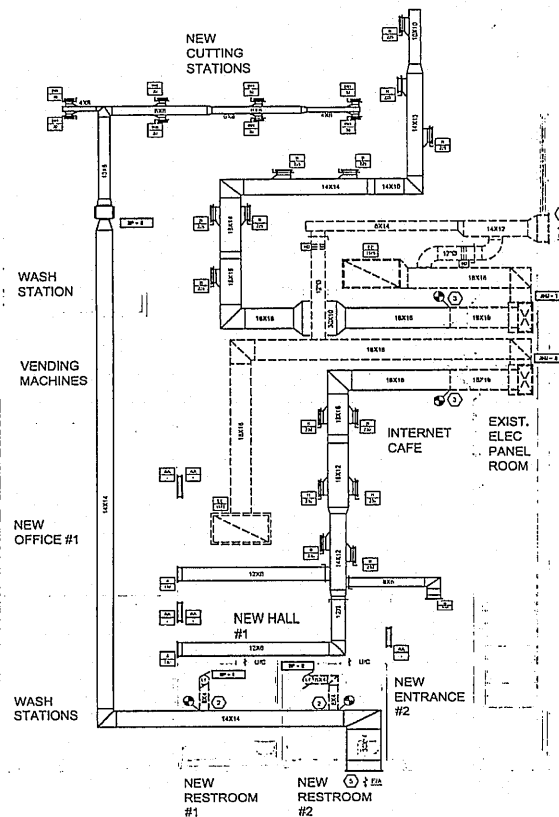
KEY NOTES
SCALE: N.T.S.



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- ① EXISTING RESTROOM EXHAUST TO REMAIN
- ② PROVIDE NEW EXHAUST DUCTWORK, CONNECT TO EXISTING EXHAUST DUCTWORK AT LOCATION SHOWN.
- ③ PROVIDE NEW SUPPLY DUCTWORK, CONNECT TO EXISTING SUPPLY DUCTWORK AT LOCATION SHOWN.
- ④ EXISTING OUTSIDE AIR INTAKE LOUVER TO REMAIN.
- ⑤ PROVIDE NEW 20X14 RUSCON E-566250 RELIEF LOUVER.

KEY NOTES

SCALE: N.T.S.

Rev.	Description	Date

MECHANICAL PLAN

Project Number 21052A
Date 11.23.2021
Drawn By AIR
Checked By AMS

M2.1

Scale

B MECHANICAL FLOOR PLAN

1/4"=1'-0"

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**INTERIOR BUILD-OUT
E CLOSER'S PI
000 NW 6TH STREET
AUDERDALE, FL. 33311**

No.	Description	Date

ELECTRICAL NOTES,
LEGEND, & INDEX

Drawing Number: _____ 21652A

Date	11.23.202
Drawn By	NR
Checked By	AM
E0.1	
Scale	

Checked By	AM
E0.1	
Scale	

E0.1

Scale

Scale

SPACE NUMBER ON UNIT TAG	SPACE AREA (SQ FT)	SPACE HEIGHT (FT)	SPACE VOLUME (CU FT)	VENTILATION HEIGHT (FT)	TOTAL CFM (REQD)	TOTAL CFM (PROV)	NOTES
BARBERSHOP	503	10	5030	0A CNVR	224.2	250	1
RESTROOM	64	10	640	30 CFM/SQ	70	70	1
RESTROOM	64	10	640	30 CFM/SQ	70	70	1
TOTALS	310 NET SF				344.2	370.0	

NOTES:
1. CALCULATIONS ARE BASED ON LOCAL CODE REQUIREMENTS, FLORIDA BUILDING CODE 2020 (TABLE 403.3.1) AND ASHRAE 62-10.

D EXHAUST AIR CALCULATIONS

SCALE: N.T.S.

AREA SERVED ON UNIT TAG	NET OCCUPABLE AREA (SQ FT)	VENTILATION RATE (A/CV/HR)	CFM/SQ FT REQUIRED	ACTUAL OCCUP. NO. OF PEOPLE	VENTILATION RATE (A/CV/HR)	COMBINED TOTAL CFM (A/CV/HR)	COMBINED TOTAL CFM (A/CV/HR)	NOTES
BARBERSHOP	341	0.06	33.82	0	13	43.82	43	SEE NOTES
OFFICE	775	0.06	46.50	1	3	50.50	50	SEE NOTES
RETAIL	1231	0.12	147.72	14	13	255.44	255	SEE NOTES
RESTROOMS	128	0.00	0	0	0	0	0	SEE NOTES
TOTAL	2005 CFM		MLD	25		344.2	370.0	

NOTES:
1. CALCULATIONS ARE BASED ON ESTIMATED MAX OCCUPANCY RATES PER ARCHITECTURAL PLANS AND ASHRAE 62-10. VENTILATION RATES PER ASHRAE 62-10.
FOR OFFICE AND OTHER SIMILAR AREAS CALCULATIONS ARE BASED ON CONTINUOUS OCCUPANCY.

E OUTSIDE AIR CALCULATIONS

SCALE: N.T.S.

AREA (SERVED)	EQUIPMENT TAG	OUTSIDE AIR (CFM)	MAKE-UP AIR (CFM)	EXHAUST AIR (CFM)
RESTROOM	EP-1	-	-	70
RESTROOM	EP-2	-	-	70
BARBERSHOP	EP-3	-	-	250
BARBERSHOP	AUX-1	225	-	-
HAIR SALON	AUX-2	225	-	-
TOTAL		450 CFM	-	370 CFM

NOTES:
1. THE SPACE IS 430 - 370 + 60 POSITIVE WHEN ALL EXHAUST FANS OPERATING.

F AIR BALANCE

SCALE: N.T.S.

SELECTION DATA		FAN DATA		NOISE DATA		GENERAL DATA	
TYPE	APPROX. AREA (SQ FT)	MODEL	CFM	HP (FPM)	SCHUB	UP	DOWN
EP-1	RESTROOMS	-	-	CEILING	70	-	-
EP-2	RESTROOMS	-	-	CEILING	70	-	-
EP-3	BARBERSHOP	GREENHECK	CSF-APG-165	BLINE	250	0.5	1.0

(1) APPROVED EQUAL MANUFACTURER, GOOD, TEN-CITY, ACHS, PERK

- ACCESSORIES NOTES:
1. EXISTING TO REMAIN, SHOWN HERE FOR REFERENCE ONLY.
2. PROVIDE GELLS COLOR FOR AREA SPECS.
3. PROVIDE BLACK DRIFT SPRAYER.
4. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AND INTERNAL THERMAL OVERLOAD PROTECTION. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ANY PURCHASING.
5. PROVIDE WOOD WALLS AND BRICK/CONCRETE.
6. PROVIDE COMPLETE WITH FIELDS.
7. PROVIDE STEP DOWN TRANSFORMER FOR LIGHT INTERLOCK.

- GENERAL FAN NOTES:
1. FAN MOTOR, FUSED DISCONNECTS AND ALL DISCONNECT POWER HEREIN PROVIDED BY ELEC. CONTRACTOR MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE PRIOR TO ANY WORK AND PURCHASING.
2. FIELD ADJUST OPENINGS WITH STRUCTURE.
3. COORDINATE WITH ELECTRICAL CONTRACTOR BEFORE DIDDING OR ORDERING ANY EQUIPMENT.
4. SEE PROJECT PLANS AND SPECIFICATIONS FOR OTHER FIELD SUPPLIED ITEMS AND ADDITIONAL INFORMATION.

A FAN SCHEDULE

Scale: N.T.S.

TAB	HAMP, & MODEL	NECK SIZE	MATERIAL	FLANGE	FINISH	DAMPER	THROW	HC	CFM RANGE	NOTES
A	PRICE 840	12X6	ALUM.	HALL MOUNTED	OPP WHITE	OOD	-	MAX 25	SEE SCH.	1
B	PRICE 840	12X6	ALUM.	DUCT MOUNTED	OPP WHITE	OOD	-	MAX 25	SEE SCH.	1
E	EXISTING SUPPLY DIFFUSER TO REMAIN	-	ALUM.	-	OPP WHITE	OOD	-	MAX 25	SEE SCH.	1
AA	PRICE 840	20X12	ALUM.	HALL MOUNTED	OPP WHITE	-	-	MAX 25	SEE SCH.	1
BB	PRICE 850	8X6	ALUM.	HALL MOUNTED	OPP WHITE	-	-	MAX 25	SEE SCH.	1
EE	EXISTING RETURN DIFFUSER TO REMAIN	-	ALUM.	-	OPP WHITE	-	-	-	-	1

GENERAL NOTES:
1. DIFFUSERS ARE EXISTING TO REMAIN AND SHOWN HERE FOR REFERENCE ONLY.

FLEX SCHEDULE	
6"	50-125 CFM
8"	150-200 CFM
10"	200-350 CFM
12"	350-450 CFM
14"	450-700 CFM

B SUPPLY/RETURN AIR DIFFUSER SCHEDULE

Scale: N.T.S.

CONDENSING UNIT											
EST TAG	MANUFACTURER & MODEL	NOMINAL TONS	CAP. STAGES	DEFERENTIAL	RETURN AIR	EXHAUST	NO. PANS	FAN FLARE	VOL. COMP.	COMP. FLARE	NOTES
COND	TRANE TTH4000	6.0	1	1250	ALUM.	36-14	1	-	1	200%	1
COND	TRANE TTH4000	1.5	1	1100	ALUM.	36-14	1	-	1	200%	1

AIR HANDLING UNIT											
EST TAG	MANUFACTURER & MODEL	TOTAL CFM	EXHAUST CFM	TOTAL CFM	EXHAUST	DEFERENTIAL	DEFERENTIAL	DEFERENTIAL	DEFERENTIAL	DEFERENTIAL	NOTES
AUX-1	TRANE TTH4000	34.4	44.8	100	275	6.4	7000"	17.000"	-	34.4-2	1
AUX-2	TRANE TTH4000	34.4	44.8	100	275	6.4	7000"	17.000"	-	34.4-2	1

NOTES:
1. UNITS ARE EXISTING TO REMAIN AND SHOWN HERE FOR REFERENCE ONLY.

COORDINATE WITH ELEC. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS AND ACCESSORIES WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASING AND INSTALLATION AND SHALL WITHIN ANY DISCREPANCIES TO THE ATTENTION OF ENGINEER.

C AIR CONDITIONING SPLIT SYSTEM EQUIPMENT SCHEDULE (EXISTING)

Scale: N.T.S.

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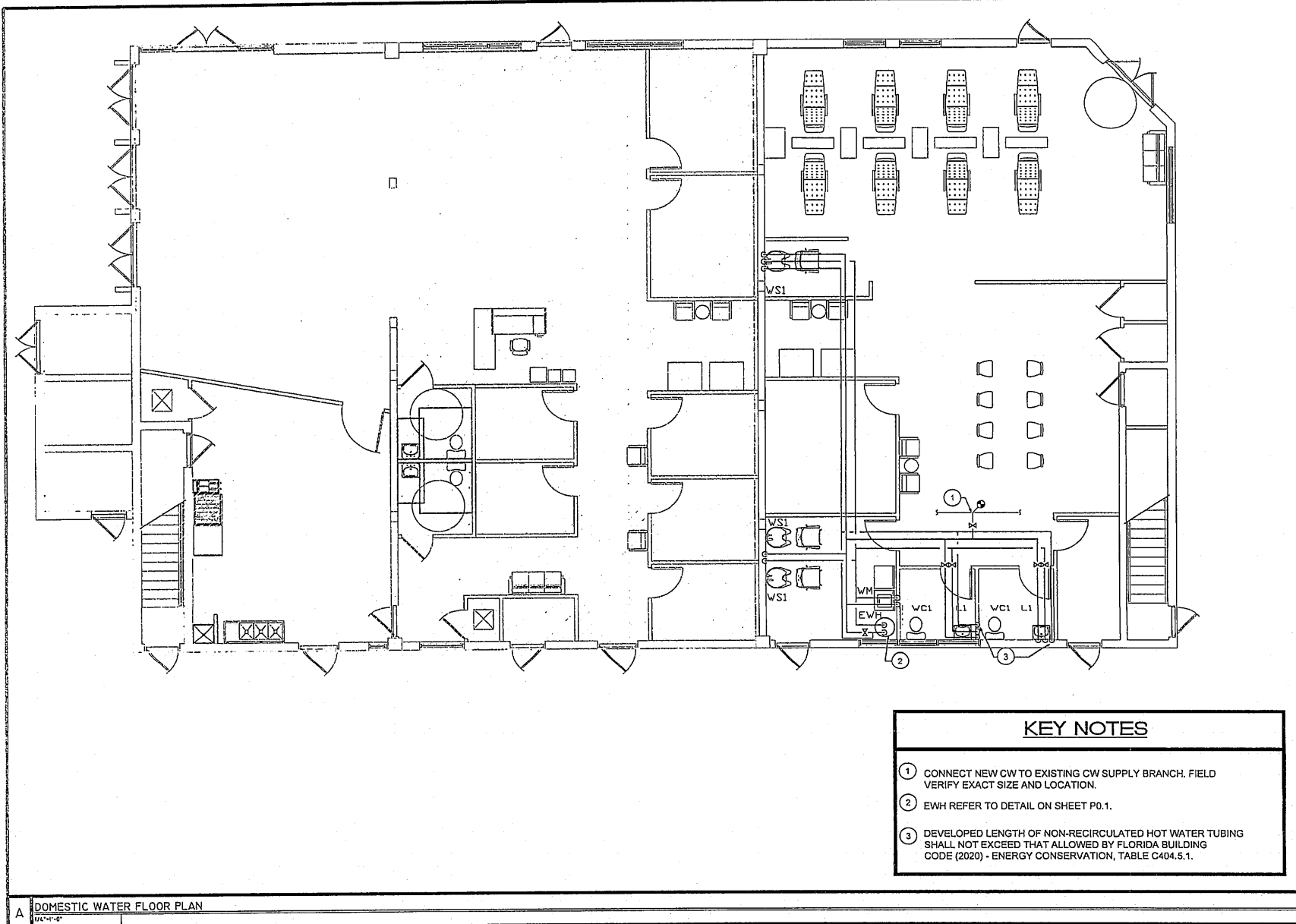
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A1077656

NEW INTERIOR BUILD-OUT
THE CLOSER'S PI
900 NW 6TH STREET
FT. LAUDERDALE, FL 33341

No.	Description	Date

MECHANICAL SCHEDULES

Project Number: 21052A
Date: 11.23.2021
Drawn By: NR
Checked By: AMS
M6.1
Scale:



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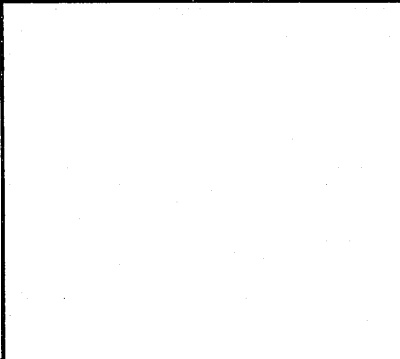
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No.	Description	Date

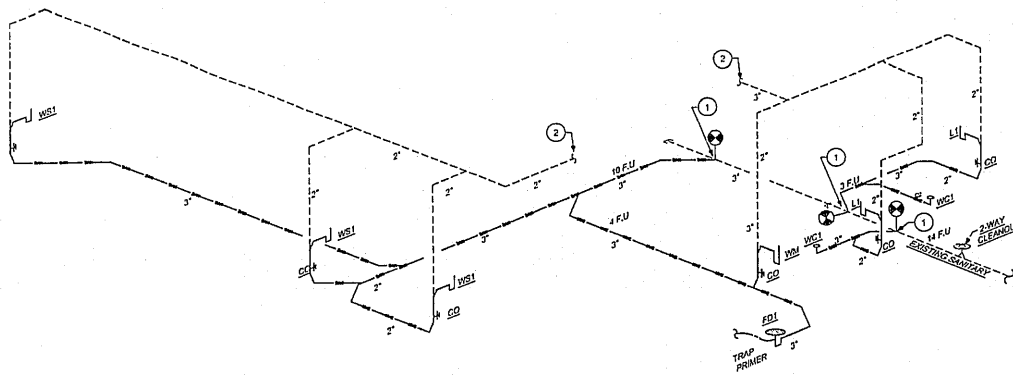
DOMESTIC WATER FLOOR PLAN	
Project Number	21052A
Date	11.23.2021
Drawn By	NR
Checked By	AMS
P2.1	
Scale	

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| C | MECHANICAL NOTES | |
| | SCALE: N.T.S. | |

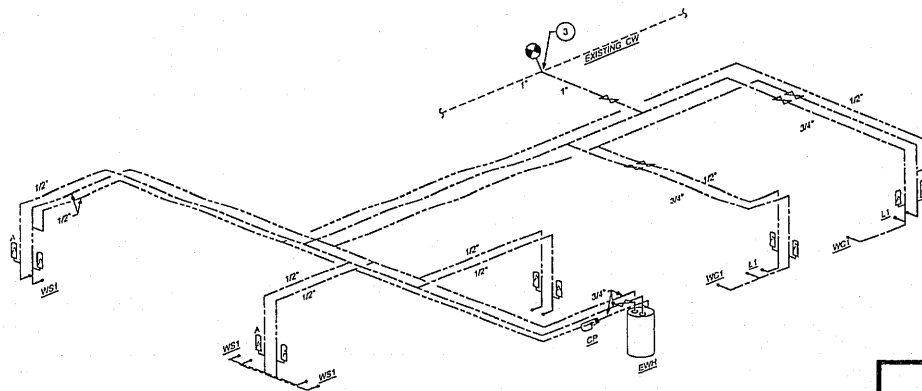
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B	MECHANICAL SYMBOLS AND LEGEND SCALE: N.T.S.
	

CAM #24-1015
Exhibit 4
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SANITARY ISOMETRICS



DOMESTIC WATER ISOMETRICS

KEY NOTES

- ① CORRECT NEW SANITARY BRANCH TO EXISTING SANITARY FIELD WITH EXACT HIC AND LOCATION
- ② CORRECT NEW WATER TO EXISTING VENT FIELD WITH EXACT HIC AND LOCATION
- ③ CORRECT NEW WATER TO EXISTING WATER SUPPLY BRANCH FIELD WITH EXACT HIC AND LOCATION



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No.	Description	Date

**PLUMBING
ISOMETRICS**

Project Number: 21052A
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Checked by: AMS

P5.1

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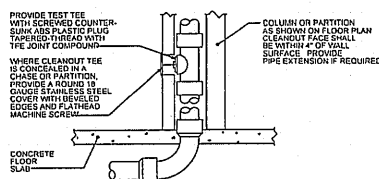
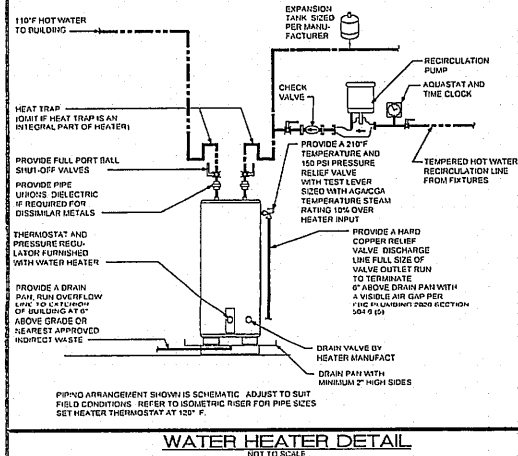
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PLUMBING FIXTURE SCHEDULE

L1	HANDICAP LAVATORY, AMERICAN STANDARD "DECLIP" 6321.028 WALL MOUNT WHITE VITREOUS CHINA WITH TBS BRASS MODEL 40-2711-1VFB, 8.5 GPM, SINGLE LEVER, MANUALLY OPERATED CENTERSET FAUCET. PROVIDE WITH MFAB SERIES MC-41 CONCEALED-ARM CARRIER AND PLUMBEREX PRO EXTREME UNDER LAV SUPPLY & TRAP PROTECTORS.
WC1	WATER CLOSET, AMERICAN STANDARD "CADET RIGHT HEIGHT" MODEL 4333.1.20, 1.20 GPF, TWO-PIECE, FLOOR MOUNTED WHITE VITREOUS CHINA WITH ELONGATED BOWL. PROVIDE WITH TRIP LEVER TO WIDE SIDE OF BOWL AND AMERICAN STANDARD MODEL #311 012 ELONGATED SEAT, OPEN FRONT LESS COVER.
EW1	ELECTRIC WATER HEATER, LOCHINVAR MODEL #LTS040KH, 40 GAL, 208V/1PH 50HZ. SET UNIT ON A STAND WITH RECIRCULATION PUMP BELL & GOSSETT PL-300 AND THERMAL EXPANSION TANK - AMTROL MODEL #ST-5.
WASH STATION	BY OWNER/ARCHITECT
WCO	MFAB SERIES C1430 CAST BRONZE CLEANOUP PLUG WITH SMOOTH STAINLESS STEEL ACCESS COVER.
FD1	MFAB FLOOR DRAIN # F1008-0.3 PUSH ON TYPE CONNECTION, 0" STRAINER, 1/2" TRAP PRIMER CONNECTION, MEMBRANE CLAMP (WHERE REQUIRED).

GENERAL NOTES

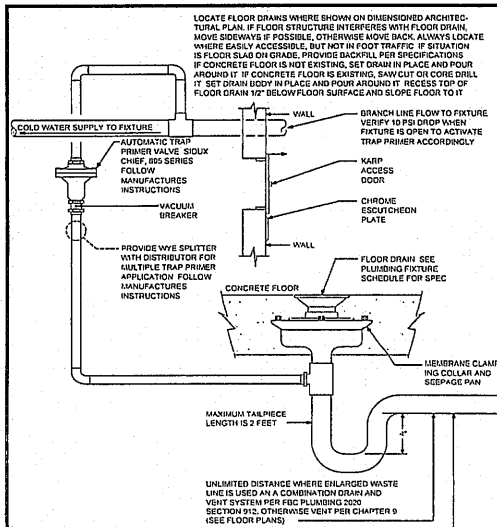
- (1) - FIXTURES SHALL BE AS SHOWN OR EQUAL.
- (2) - ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF FBC 2020.
- (3) - ALL FIXTURES (BIBI PACKAGES INCLUDING BUT NOT LIMITED TO TRAP, ANGLE STOP, FLUSH VALVE, SUPPLY TUBES, AND CLEANOUP COVER PLATES SHALL BE OF THE SAME FINISH AS THE ABOVE SPECIFIED FAUCET AND PER ARCHITECTURAL FINISH SCHEDULE.
- (4) - ALL FIXTURES SHALL BE FINISHED IN PER MANUFACTURER'S CUT SHEET TO MAINTAIN UNIFORMITY.



NOTE: PROVIDE WCO WHERE SHOWN ON PLAN, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT. LOCATE ABOVE FUTURE FLOOR RUM WITHIN 4' OF FLOOR. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.

WALL CLEANOUT DETAIL

NOT TO SCALE



FLOOR DRAIN AND TRAP PRIMER DETAIL

NOT TO SCALE

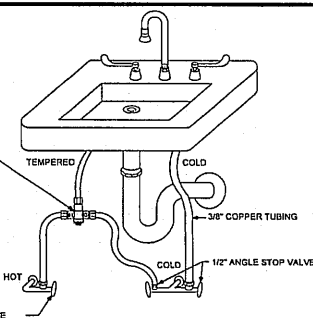
INDEX

P01	PLUMBING NOTES
P21	SANITARY PLAN
P31	DOMESTIC WATER PLAN
P51	PLUMBING ISOMETRICS

DEVELOPED LENGTH OF TUBING SHALL NOT EXCEED THAT ALLOWED BY FLORIDA BUILDING CODE (2020) ENERGY CONSERVATION, TABLE C404.5.1

ASSE 1079 COMPLIANT THERMOSTATIC MIXING VALVE EQUAL TO LEONARDO MODEL #170-LF-0RKT SET @ 105°F.

NOTE: ONE VALVE CAN SUPPLY A BATTERY OF UP TO FIVE (5) PUBLIC LAVATORY FIXTURES



TEMPERED AND COLD WATER SUPPLY CONNECTIONS FOR PUBLIC LAVATORIES

NOT TO SCALE

SHOCK ARRESTOR SCHEDULE

P.D. CONNECTION	MANUF & MODEL	FIXTURES SERVED	CONNECTION
A	SIUOX CHIEF 652-A	1-1/2"	1/2"
B	SIUOX CHIEF 653-B	12-32	3/4"
C	SIUOX CHIEF 654-C	33-00	1"

SIUOX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1019 STANDARD.

SLOPE OF HORIZ. DRAINAGE PIPE

SIZE (inches)	MINIMUM SLOPE (inches per foot)
2-1/2" or less	1/8"
3 to 6	1/16"
8 or larger	1/16"

TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2020

PLUMBING NOTES, LEGEND, & INDEX

Project Number	21052A
Date	11.23.2021
Drawn By	NR
Checked By	AMS
Scale	P0.1



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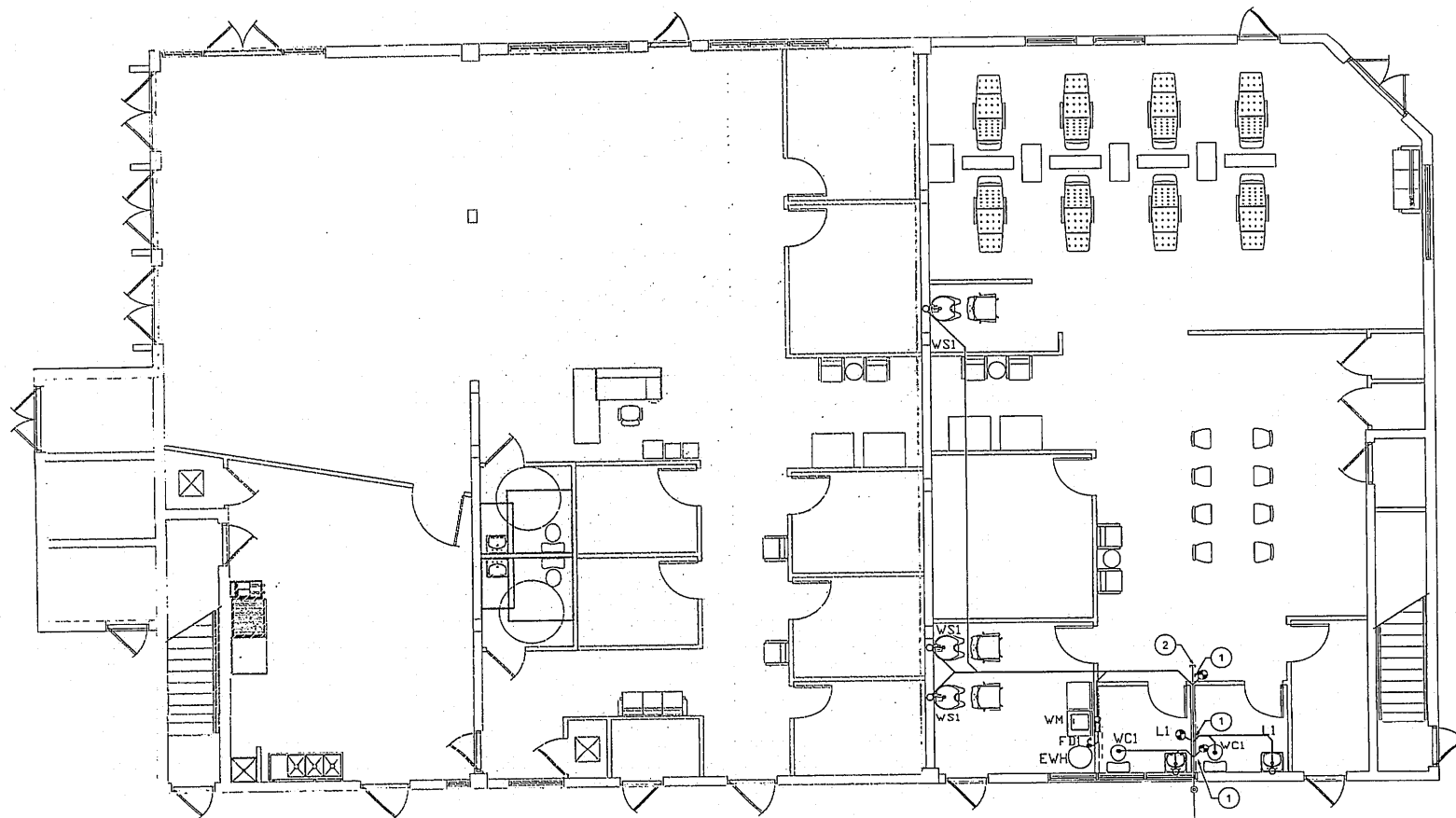
No.	Description	Date

SANITARY PLAN

Project Number 21052A
Date 11.23.2021
Drawn By NFR
Checked By AMS

P3.1

Scale

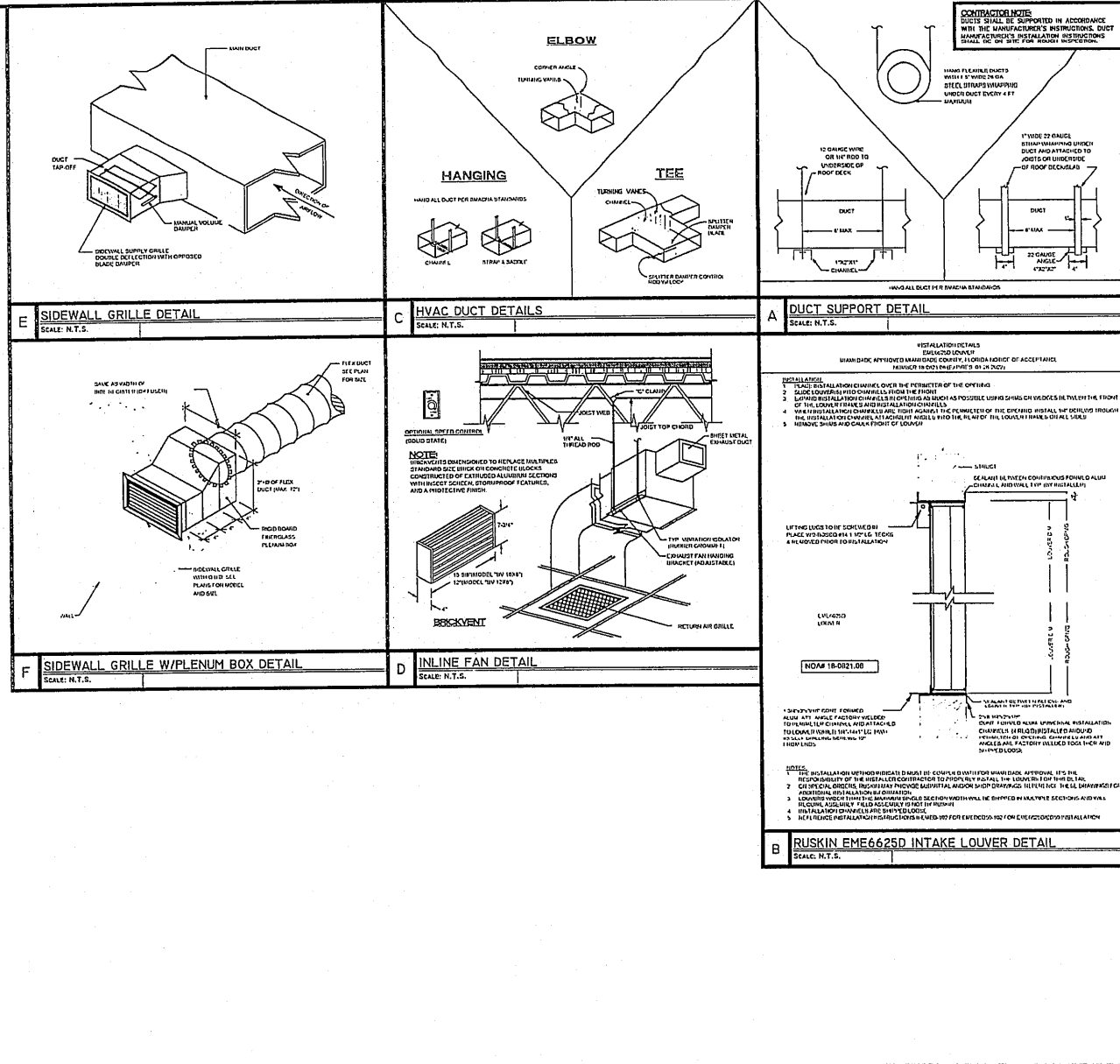


NO WORK IN HATCHED AREA. NOT IN CONTRACT UNDER SEPARATE PERMIT

KEY NOTES

- 1 CONNECT NEW SANITARY BRANCH TO EXISTING SANITARY. FIELD VERIFY EXACT SIZE, AND LOCATION.
- 2 CAPPED EXISTING SANITARY.

A SANITARY FLOOR PLAN
1/2"=1'-0"



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MECHANICAL DETAILS

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M7.1

Scale: