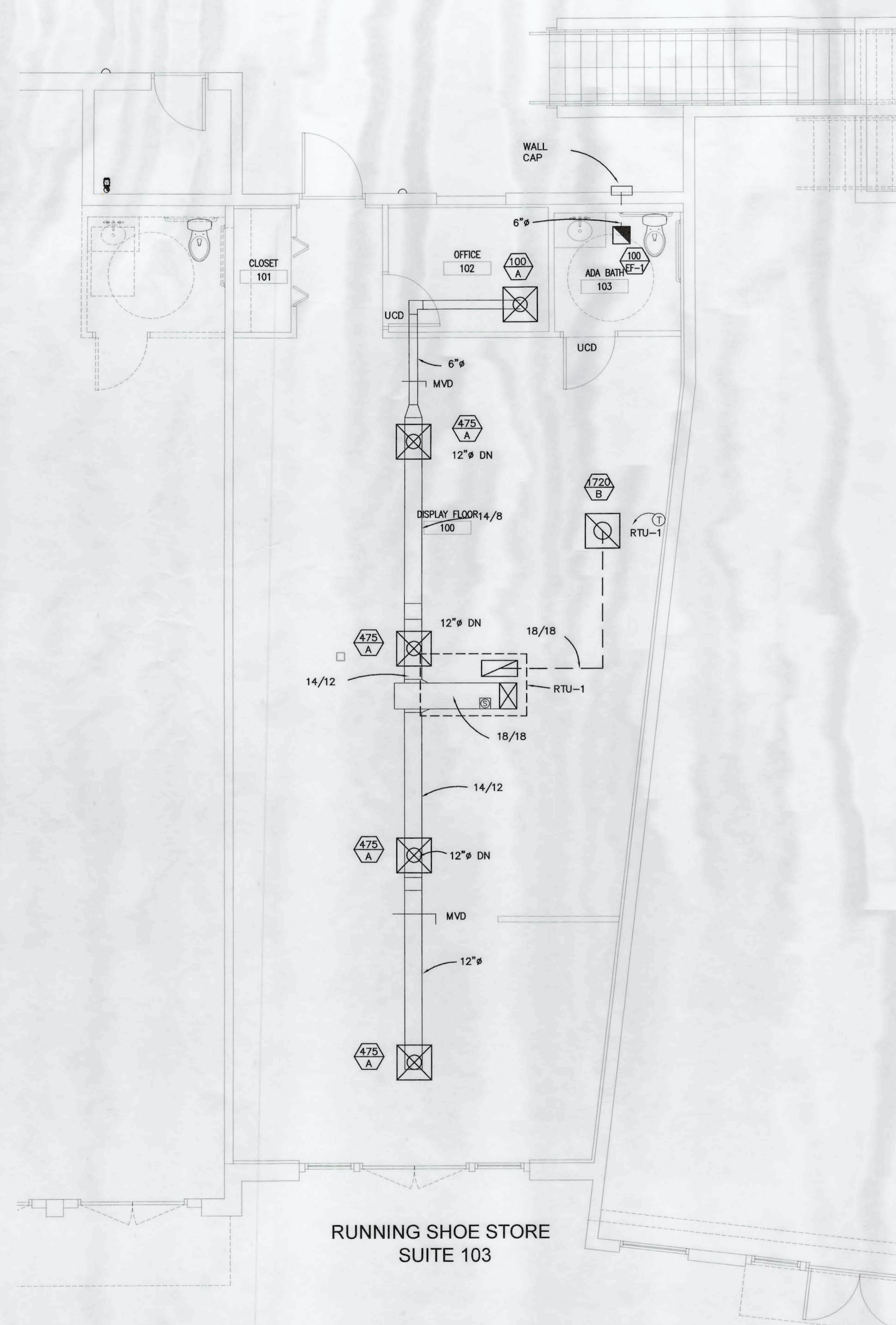


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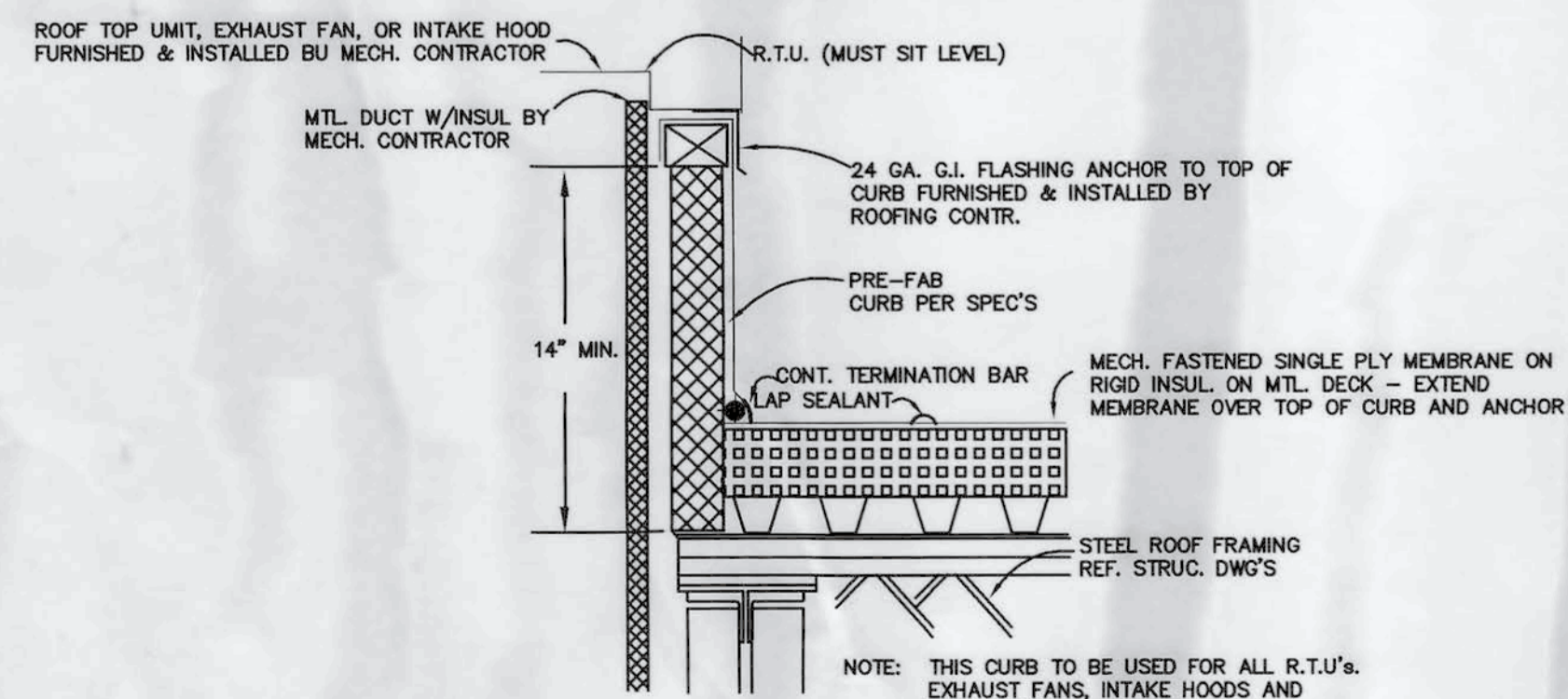
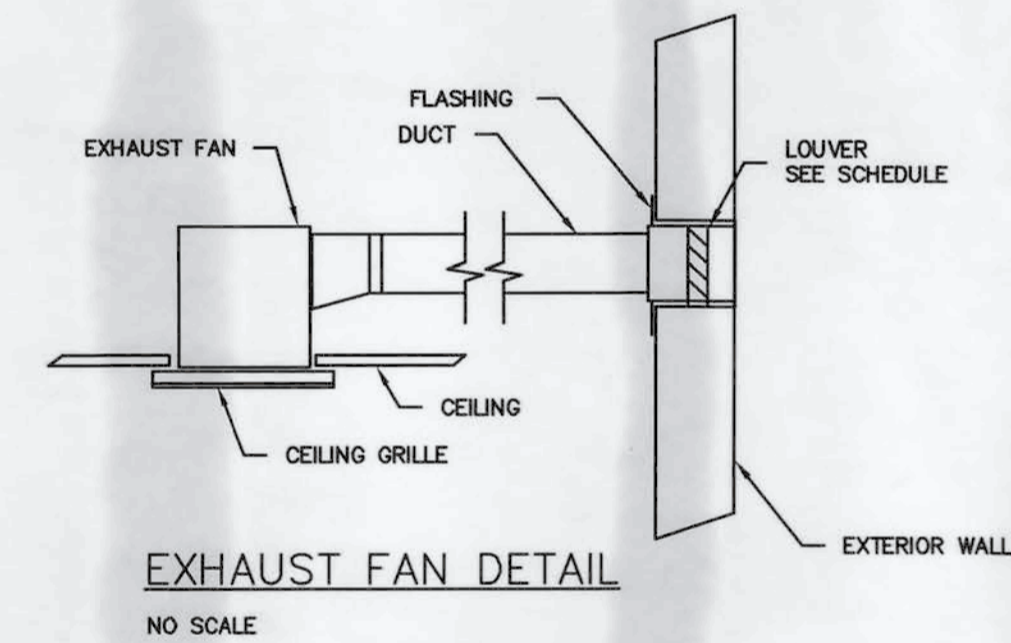
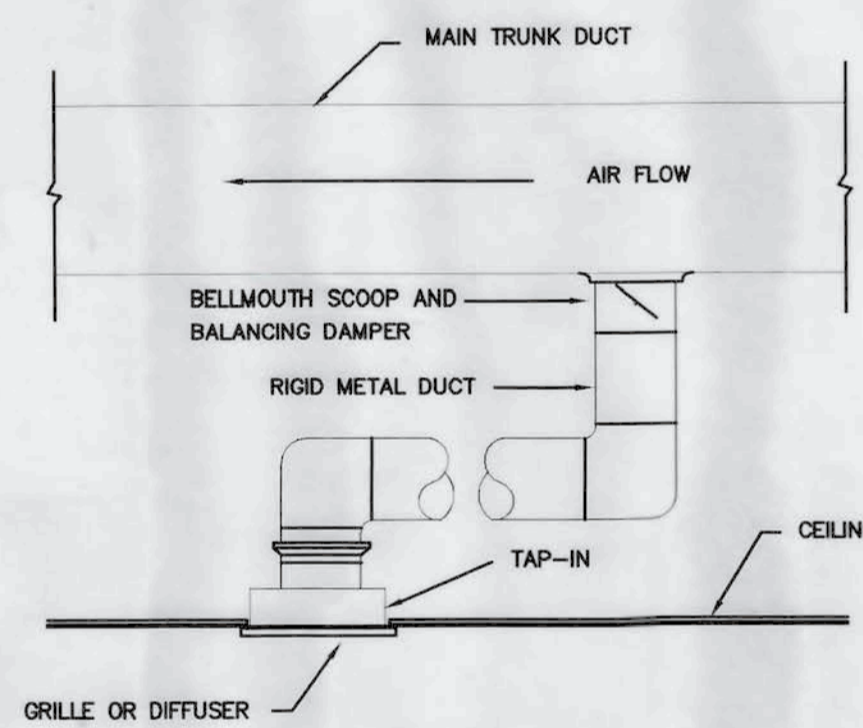
MECHANICAL
FLOOR PLAN

DATE 10.06.15	DWG. NO. M100
SHEET OF	PROJECT NO. 15034



MECHANICAL SYMBOLS

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- SUPPLY DIFFUSER 2 WAY BLOW
- GRILLE/DIFFUSER CFM AND SCHEDULE SYMBOL
- MVD MANUAL VOLUME DAMPER
- THERMOSTAT
- DUCT TRANSITION
- BELLMOUTH TAKEOFF FOR ROUND DUCT
- AIR EXTRACTOR TAKEOFF FOR RECT. DUCT
- FIRE DAMPER DESIGNATION (FDP)
- DUCT SMOKE DETECTOR



NOTE: THIS CURB TO BE USED FOR ALL R.T.U.'s,
EXHAUST FANS, INTAKE HOODS AND
UTILITY CURBS.

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FLOOR PLAN

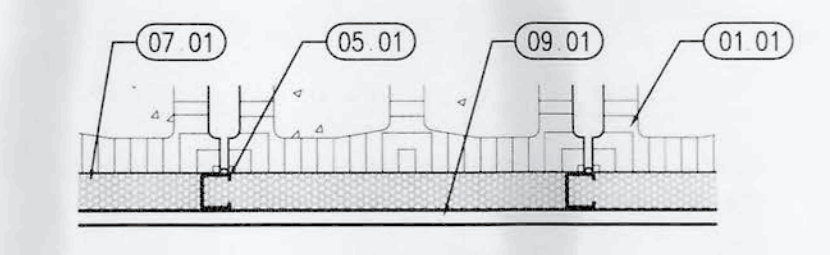
DATE	DWG. NO.
10.13.15	A100
SHEET	PROJECT NO.
OF	15034

13 Oct 15

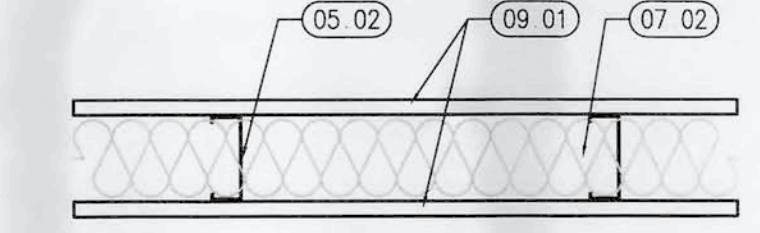
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WALL TYPE & MOULDING KEYNOTES:

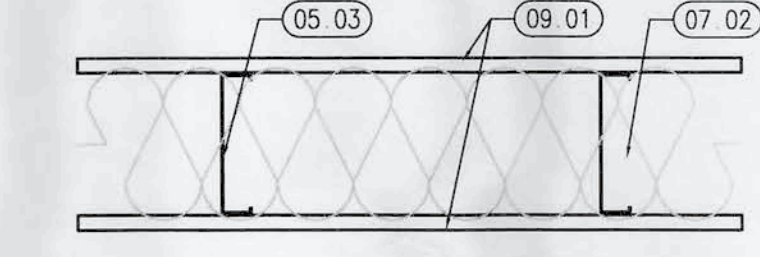
- 01 GENERAL:
01.01 EXISTING CMU, TO REMAIN.
- 05 METAL:
05.01 1-5/8" 20 GAUGE GALV. METAL FURRING CHANNELS AT 16" O.C. MAX.
05.02 4" 20 GAUGE GALV. STEEL STUDS AT 16" O.C. MAX.
05.03 6" 20 GAUGE GALV. STEEL STUDS AT 16" O.C. MAX.
- 07 THERMAL & MOISTURE PROTECTION:
07.01 ICYNENE SPRAY FOAM INSULATION, CLOSED CELL 1-5/8" THICKNESS
07.02 FIRE BATT. FULL HEIGHT
- 09 FINISHES:
09.01 5/8" TYPE 'X' GYPSUM BOARD, PAINTED WHITE.



WALL SYSTEM SHALL EXTEND TO T.O. SLAB. WALL TYPE 1A SIM. BUT WITH 6" STUDS



WALL SYSTEM SHALL EXTEND TO T.O. SLAB THEN BRACE TO ROOF STRUCTURE ABOVE AT 48" O.C. MAX.



WALL SYSTEM SHALL EXTEND TO T.O. SLAB THEN BRACE TO ROOF STRUCTURE ABOVE AT 48" O.C. MAX.

WALL TYPES

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

FLOOR PLAN GENERAL NOTES:

- A ALL WALLS ARE TO BE PAINTED WHITE
B OPEN CEILINGS ARE TO BE SPRAYED WHITE
C FLOORS ARE TO BE SEALED CONCRETE

FLOOR PLAN KEYNOTES:

- 1 WING WALL TO BE AT CEILING HEIGHT / OR TO ROOF DECK
2 METAL STUDS SHALL EXTEND FULL HEIGHT TO ROOF DECK
3 GYP. BOARD TO EXTEND & SEAL TO ROOF DECK
4 GYP TO EXTEND TO 4" ABOVE WHERE ADJACENT CEILING FINISHES OCCUR

SYMBOL REFERENCE KEY:

- DENOTES NEW STUD WALL
- DENOTES EXISTING STUD WALL
- DENOTES EXISTING 8" CMU WALL
- DENOTES EXISTING 12" CMU WALL
- DENOTES DOOR NUMBER - SEE DOOR SCHEDULE
- DENOTES EXISTING DOOR.
- DENOTES EXISTING WINDOW.
- DENOTES WALL TYPE
- DENOTES ROOM NAME & NUMBER - SEE FINISH SCHEDULE

ROOM#	ROOM NAME	FLOOR	BASE	WALLS				CEILING		REMARKS		
				MAT'L	NORTH	EAST	SOUTH	WEST	MAT'L		FINISH HEIGHT	
100	DISPLAY FLOOR	SC	WD	GYP	P	P	P	P	ES	P	VARIES	EXPOSED
101	CLOSET	SC	WD	GYP	P	P	P	P	GYP	P	9'-0"	
102	OFFICE	SC	WD	GYP	P	P	P	P	ACT	-	9'-0"	1x4 WD. BASE
103	ADA BATH	SC	WD	GYP	P	P	P	P	GYP	P	9'-0"	EPOXY

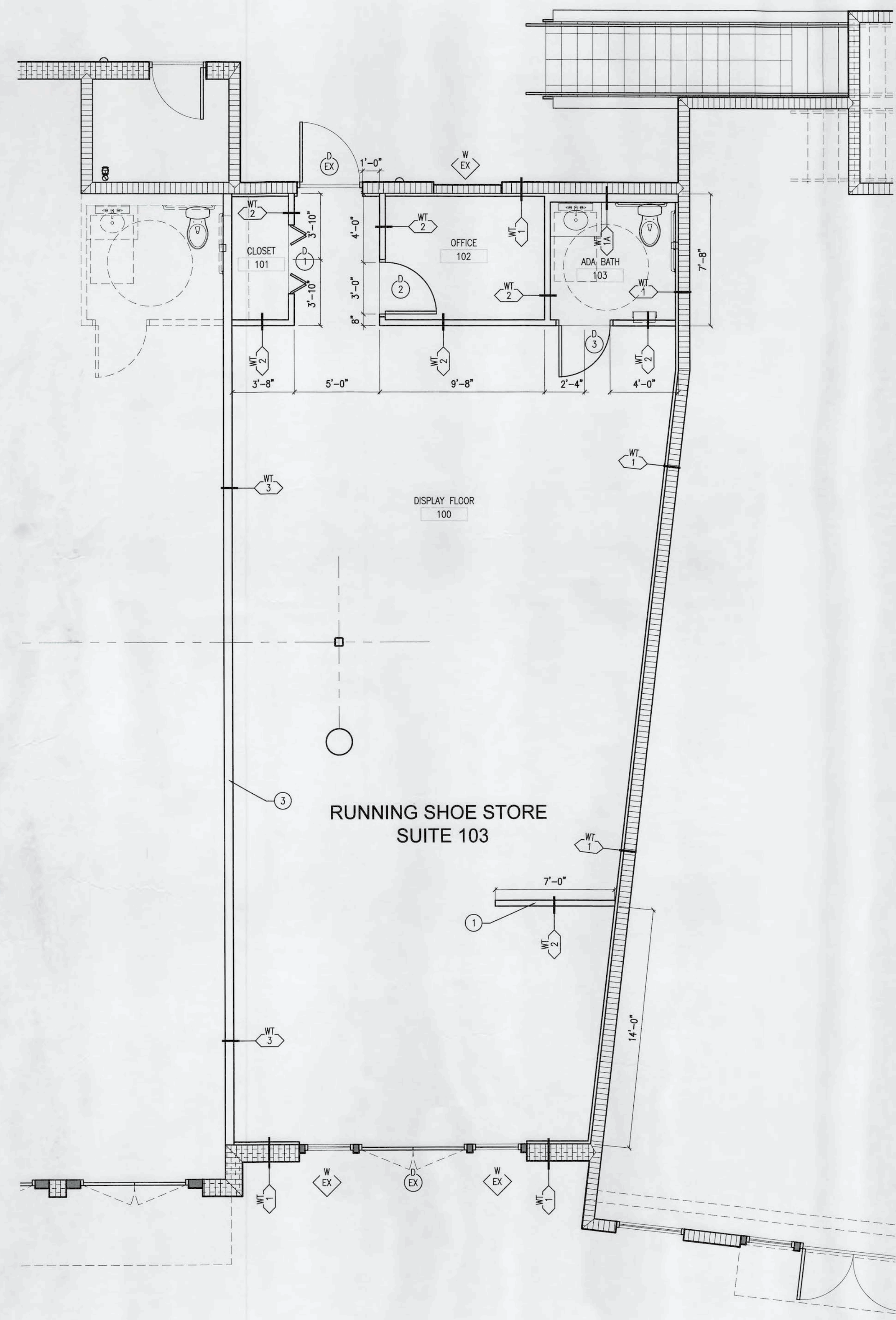
FINISH SCHEDULE LEGEND

ACT	ACOUSTIC CEILING TILE	PA	PROTECT-ALL	OP	OPEN CEILING
C(S)	CONCRETE (STAINED)	PF	PRE-FINISHED		
ES	EXPOSED STRUCTURE	PT	PORCELAIN TILE		
GYP	GYPSUM BOARD	SC	SEALED CONCRETE		
MRGB	MOISTURE RESISTANT GYP. BOARD	ST	SUBWAY TILE		
P	PAINT - VERIFY COLOR W/ARCHITECT	WD	WOOD		

DOOR#	DOOR		FRAME			FIRE RATING	SPACE NO.	REMARKS
	SIZE	TYPE	MAT'L	HDW	TYPE			
1	4'-0" x 8'-0"	BF	WD	PH	WD		101	LOUVERED
2	3'-0" x 8'-0" x 1 3/4"	F	SCW	PH	WD		102	
3	3'-0" x 8'-0" x 1 3/4"	F	SCW	PH			103	

DOOR SCHEDULE LEGEND

F	FLUSH	M	MANUFACTURER	WD	WOOD
G	GLASS	PH	FIRE-HUNG	BF	BI-FOLD
GHM	GALVANIZED HOLLOW METAL	SCW	SOLID CORE WOOD DOOR		



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



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REV NO.	DATE	DESCRIPTION

PROJ. ARCHITECT	JPD
DRAWN BY	RH
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FLOOR PLAN	
DATE	DWG. NO.
	A100
SHEET	PROJECT NO.
	15034
OF	

10.13.15
13 Oct 15

FLOOR PLAN GENERAL NOTES:

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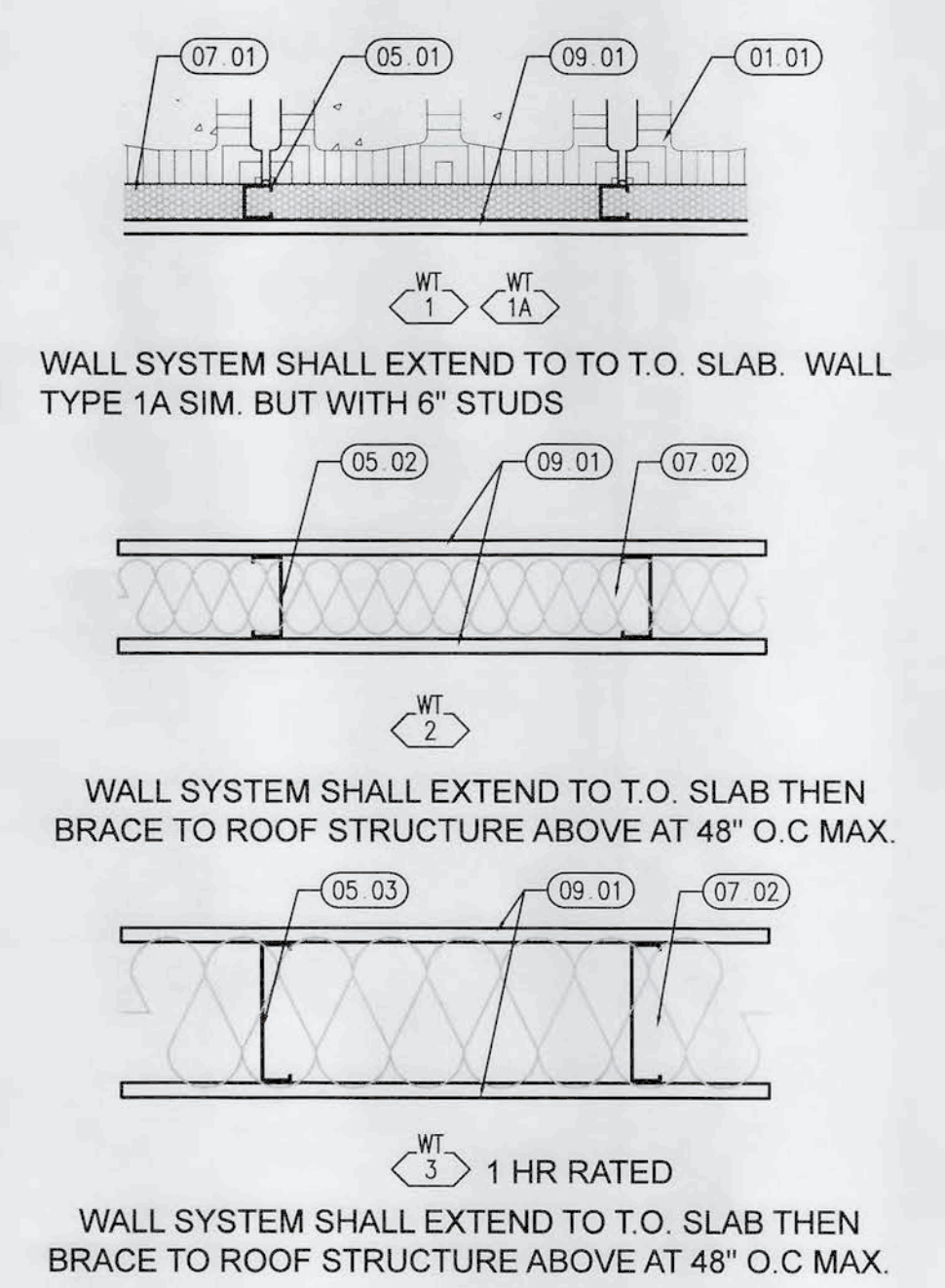
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WALL TYPES

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

FINISH SCHEDULE												
ROOM#	ROOM NAME	FLOOR	BASE	WALLS				CEILING		REMARKS		
				MAT'L	NORTH	EAST	SOUTH	WEST	MAT'L		FINISH HEIGHT	
100	DISPLAY FLOOR	SC	WD	GYP	P	P	P	P	ES	P	VARIES	EXPOSED
101	CLOSET	SC	WD	GYP	P	P	P	P	GYP	P	9'-0"	
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103	ADA BATH	SC	WD	GYP	P	P	P	P	GYP	P	9'-0"	EPOXY

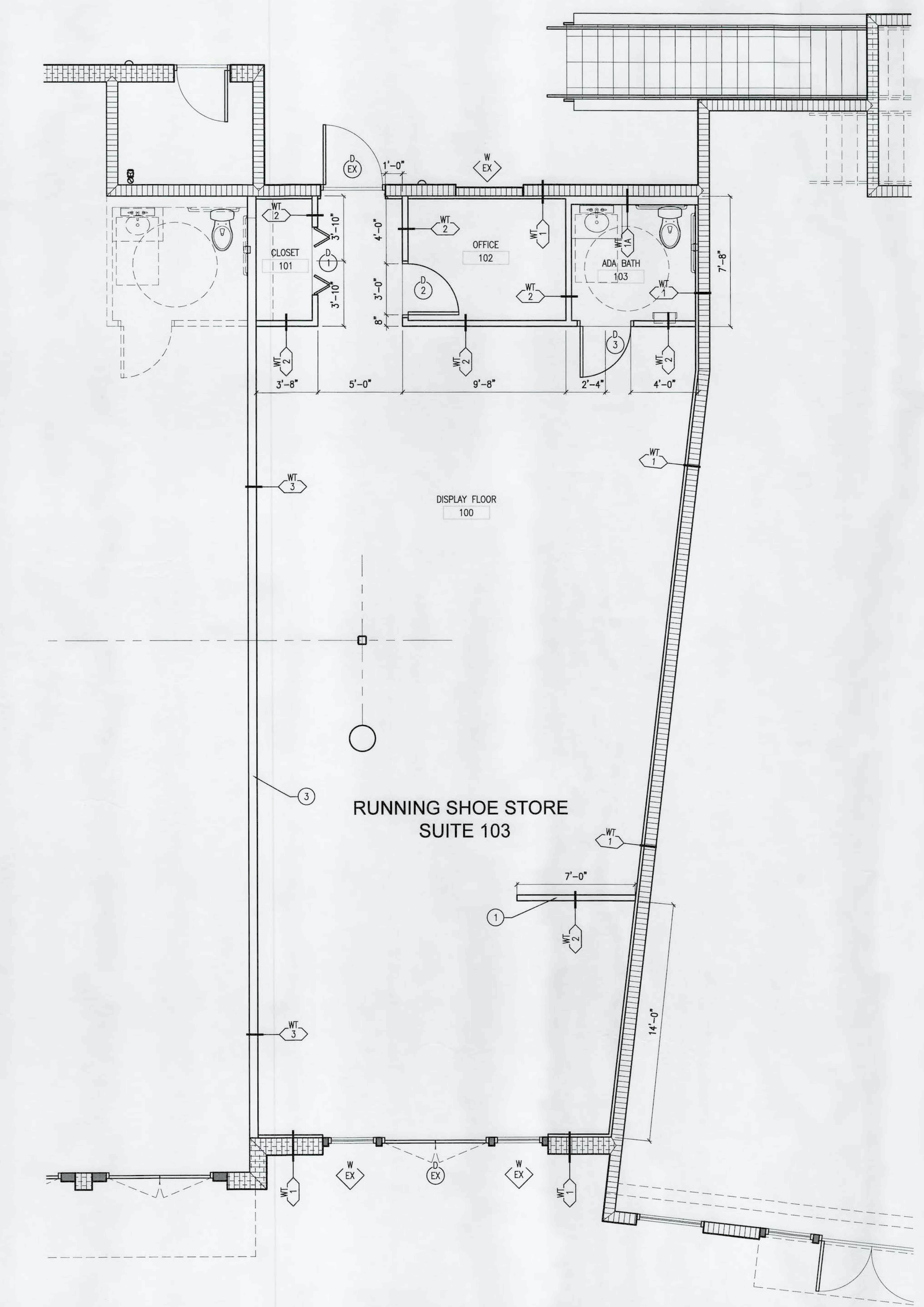
FINISH SCHEDULE LEGEND

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C(S)	CONCRETE (STAINED)	PF	PRE-FINISHED		
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MRGB	MOISTURE RESISTANT GYP. BOARD	ST	SUBWAY TILE		
P	PAINT - VERIFY COLOR W/ ARCHITECT	WD	WOOD		

DOOR SCHEDULE												
DOOR#	DOOR				FRAME				FIRE RATING	SPACE NO.	REMARKS	
	SIZE	TYPE	MAT'L	HDW	TYPE	MAT'L	HEAD	JAMB				SILL
1	4'-0" x 8'-0"	BF	WD	PH	WD					N/A	101	LOUVERED
2	3'-0" x 8'-0" x 1 3/4"	F	SCW	PH	WD					N/A	102	
3	3'-0" x 8'-0" x 1 3/4"	F	SCW	PH	PH					N/A	103	

DOOR SCHEDULE LEGEND

F	FLUSH	M	MANUFACTURER	WD	WOOD
G	GLASS	PH	PRE-HUNG	BF	BI-FOLD
GHM	GALVANIZED HOLLOW METAL	SCW	SOLID CORE WOOD DOOR		



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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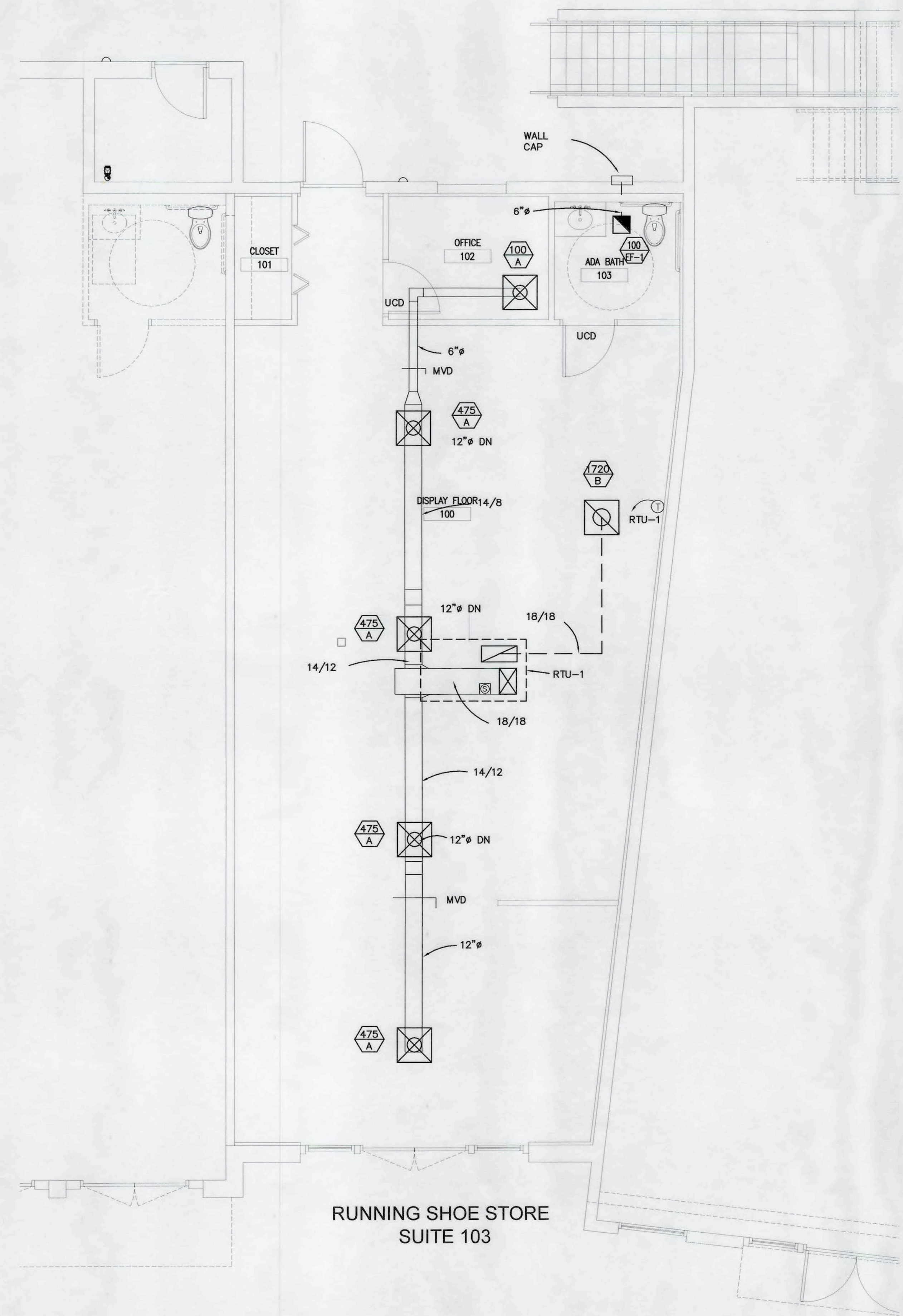
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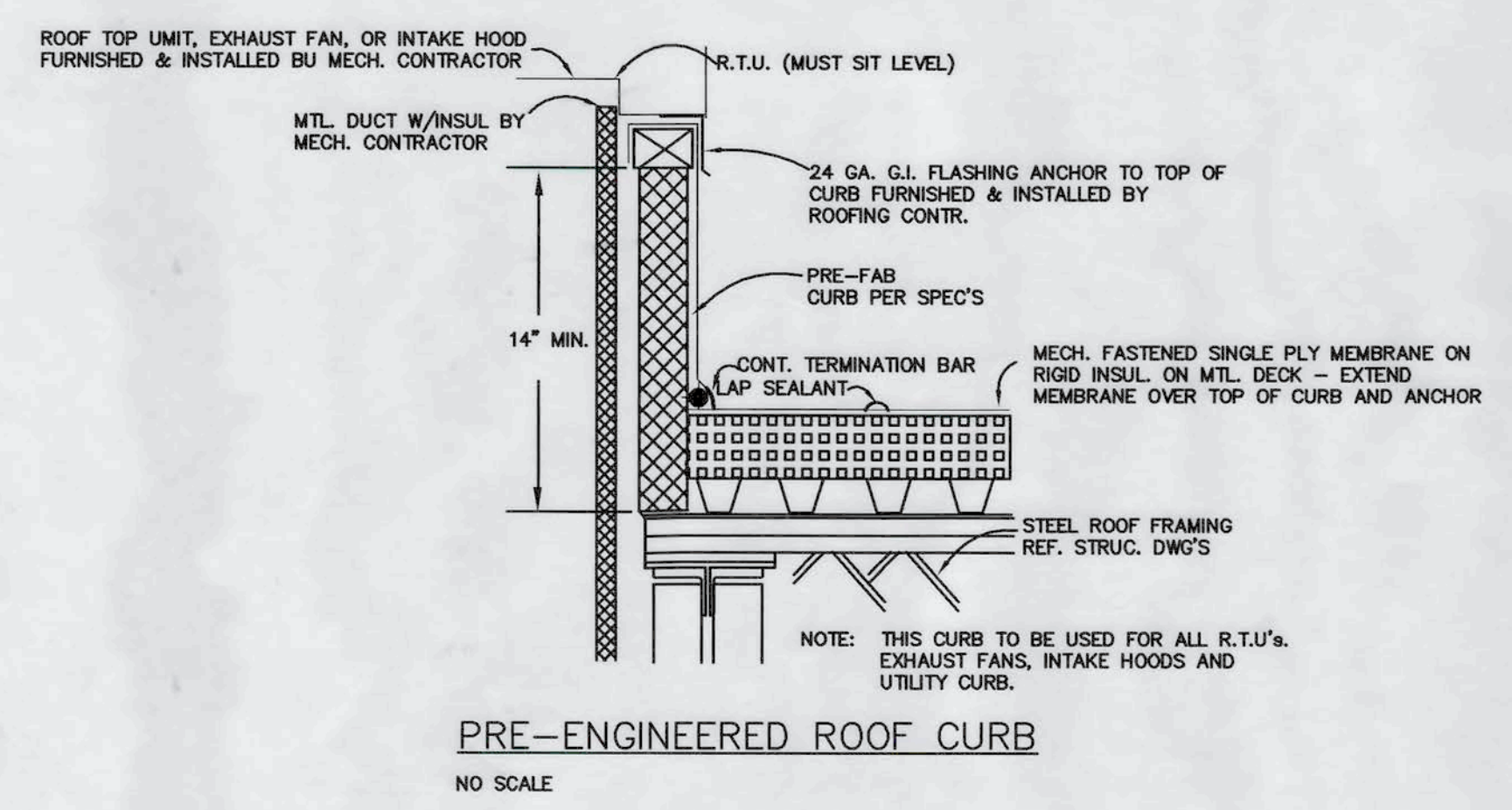
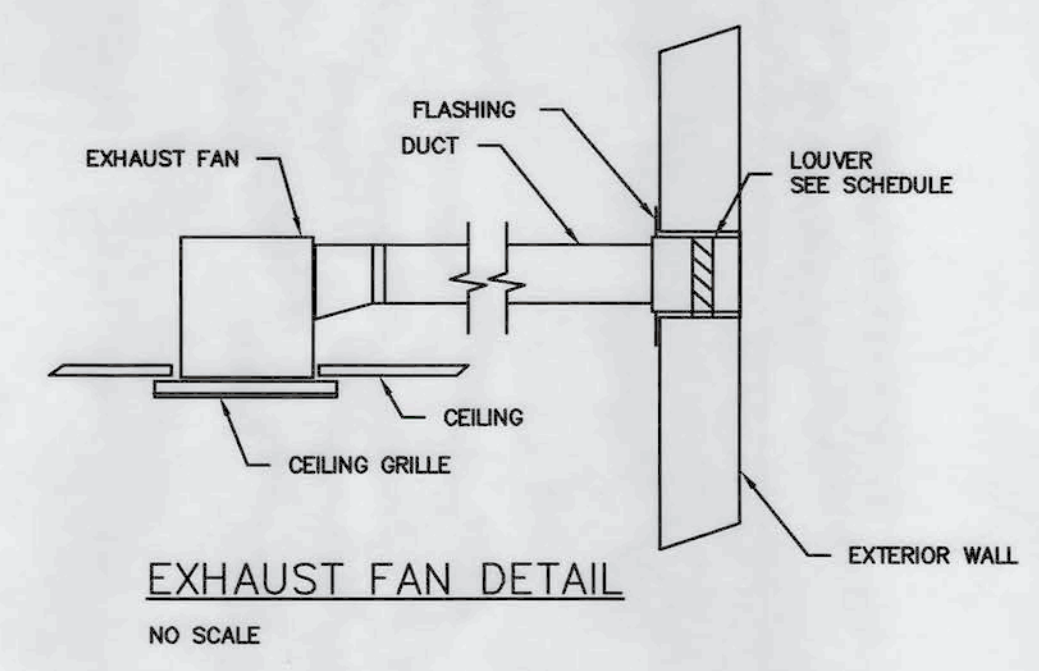
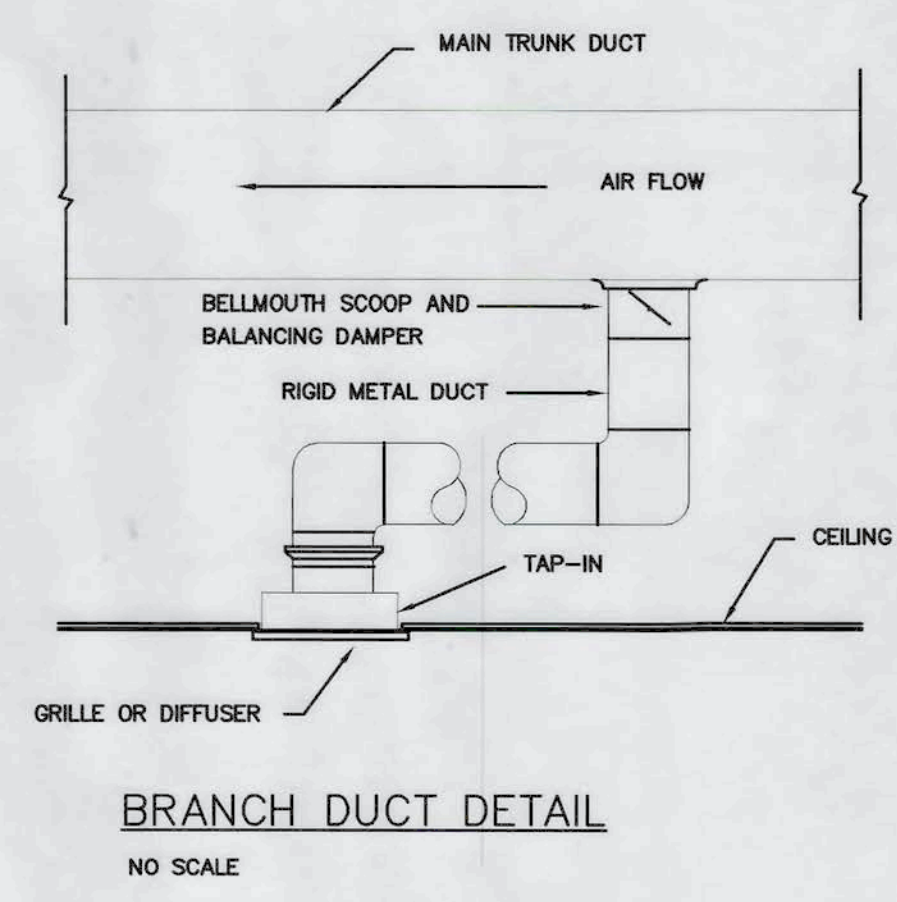
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MECHANICAL FLOOR PLAN	
DATE 10.06.15	DWG. NO. M100
SHEET OF	PROJECT NO. 15034



MECHANICAL SYMBOLS

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- SUPPLY DIFFUSER 2 WAY BLOW
- GRILLE/DIFFUSER CFM AND SCHEDULE SYMBOL
- MVD MANUAL VOLUME DAMPER
- THERMOSTAT
- DUCT TRANSITION
- BELLMOUTH TAKEOFF FOR ROUND DUCT; AIR EXTRACTOR TAKEOFF FOR RECT. DUCT
- FIRE DAMPER DESIGNATION (FDP)
- DUCT SMOKE DETECTOR



1 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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HEATING, VENTILATING AND AIR CONDITIONING SCHEDULE																												
SYMBOL	DESCRIPTION	SUPPLY FAN				COOLING				HEATING				FILTERS		CONDENSER SECTION					ELECTRICAL		COOLING TONNAGE	UNIT WEIGHT	ACCESSORIES			
		MFG. & MODEL NUMBER	TOTAL CFM	O.A. CFM	ESP	MOTOR BHP	E.A.T.		MBH		FUEL	INPUT/ Heating MBH/ Number of Stages	HSPF	TYPE	THK.	O.A. TEMP	LOW O.A.	CONDENSER		COMPRESSOR						VOLTAGE	PHASE	DESCRIPTION
							DB	WB	TH	SH								AREA [sq. ft]	FAN HP	SEER	KW	STEPS						
RTU-1	CARRIER 50TCQA06A0A5-0K0A 0 PACKAGED HEAT PUMP UNIT	2000	280	1	2	80	67	61.3	47.3	HP	40.1/1 Aux Heat 15.8 kW	7.7	T.A.	2"	95	30	15	1 @ 1/4	13.2				208	3	5	590	15.8 kW HEATER, ROOF CURB - 14", CC HEATER, LOW AMBIENT, MOTOR MASTER CONTROL, RIGGING KIT, SOLID STAGE TIME GUARD DEVICE, COASTAL COATING	

FAN SCHEDULE									
SYMBOL	MANUFACTURER AND MODEL NUMBER	CFM	MOTOR		APPROX. SP	MAX. SONE LEVEL	VOLT	PHASE	REMARKS
			RPM	MAX BHP/W					
EF-1	GREENHECK SP-A190	100	1400	113 W	0.375	2.5	120	1	CONTROL WITH LIGHT SWITCH; WALL CAP

NOTE: FANS ARE TO INCLUDE (IF APPLICABLE) ROOF CURB, BACKDRAFT DAMPER, BIRDSCREEN, DISCONNECT, AND THERMAL OVERLOAD PROTECTION.

GRILLES AND DIFFUSERS								
SYMBOL	MANUFACTURER	MODEL NUMBER	SHAPE	MAXIMUM THROAT VELOCITY (FPM)	TYPE	MAT'L	FINISH	CONTROL
A	PRICE	AMD4A	SQ	500	CEILING SUPPLY REGISTER	AL	WHITE	OBD
B	PRICE	81	SQ	500	CEILING RETURN GRILLE EGG CRATE	AL	WHITE	

HVAC GENERAL NOTES:

- ALL MECHANICAL WORK AND MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE ORDINANCES, CODES AND REGULATIONS; CONTRACTOR SHALL OBTAIN ALL APPROVALS REQUIRED FROM REGULATING AGENCIES HAVING JURISDICTION BEFORE STARTING WORK.
- DUCT DIMENSIONS SHOWN ARE INSIDE FREE AREA OF ALL DUCTS. CONTRACTOR IS TO VERIFY DIMENSIONS AND COORDINATE INSTALLATION WITH FINAL STEEL JOIST AND BEAM DIMENSIONS AND LOCATIONS.
- INSTALLING SHEET METAL CONTRACTOR IS TO COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY EQUIPMENT, DUCTWORK, ETC.
- MAXIMUM LENGTH OF FLEX DUCT USED IN VERTICAL DROPS AND HORIZONTAL RUNS FROM METAL SUPPLY DUCT TO DIFFUSERS IS 4'-0", AND FLEX DUCT SHALL BE INDEPENDENTLY SUPPORTED TO PREVENT SAGGING AND KINKING; ALL FLEX DUCT SHALL BE FULLY STRETCHED.
- CONTRACTOR IS TO USE TURNING VANES, SPLITTER DAMPERS AND BRANCH VOLUME CONTROLS TO INSURE INDICATED CFM AT ALL GRILLES/DIFFUSERS.
- SUPPLY DUCT TAKEOFFS SHALL INCLUDE: (FOR ROUND DUCTS) A BELLMOUTH SCOOP AND A BALANCING DAMPER WITH LOCKING QUADRANT AND HANDLE; AIR VOLUME CONTROL IS TO BE DESIGNED TO BE MOUNTED ON THE MAIN TRUNK WITH AN AIR-TIGHT NEOPRENE GASKET AND CONSTRUCTED OF HEAVY GAUGE GALVANIZED STEEL; (FOR RECTANGULAR DUCTS) AN ADJUSTABLE AIR-EXTRACTOR, HAVING A MANUAL PUSH/PULL ADJUSTING ARM, WITH VANES PARALLEL TO SHORT SIDE OF EXTRACTOR; SECURE OPERATOR ARM TO DUCT AFTER BALANCING OPERATION IS COMPLETED.
- CONTRACTOR IS TO PROVIDE FLEXIBLE NEOPRENE IMPREGNATED GLASS FABRIC CONNECTIONS AT THE INLET AND OUTLET OF THE AIR HANDLING EQUIPMENT.
- ALL RECTANGULAR SHEET METAL DUCT IS TO BE EXTERNALLY INSULATED: EXTERNAL INSULATION IS TO HAVE A K FACTOR OF 2.6 AT 100 DEG. F INSULATION THICKNESS IS TO BE: INTERIOR SUPPLY AND OUTSIDE AIR DUCT: 2" THICK, INTERIOR RETURN AND EXHAUST DUCT: 1 1/2" THICK.
- ALL ROUND DUCT IS TO BE EXTERNALLY INSULATED WITH DUCT WRAP HAVING A VAPOR-PROOF JACKET W/UL LABEL. INSULATION THICKNESS IS TO BE 2" THICK WITH A MINIMUM R VALUE OF 5.0.
- ALL INSULATION AND ACCESSORIES ARE TO BE U.L.-LABELED FOR FIRE AND SMOKE RATINGS.
- ROOFTOP UNIT IS TO HAVE A DUCT MOUNTED SMOKE DETECTOR IN THE SUPPLY DUCT THAT, UPON ACTUATION WILL STOP FAN, CLOSE ALL OUTSIDE AIR DAMPERS AND EITHER SOUND AUDIBLE ALARM IN THE OCCUPIED SPACE OR SEND A SIGNAL TO THE FIRE ALARM PANEL. SMOKE DETECTOR INSTALLATION SHALL COMPLY WITH NFPA 90A.
- ROOFTOP UNIT CONDENSATE LINE IS TO HAVE A "P" TRAPS; PLUMBING CONTRACTOR IS TO ROUTE LINES TO NEAREST ROOF DRAIN, SLOPE FOR SUFFICIENT DRAINAGE AND SECURE ON APPROVED SUPPORT FOR ROOF SYSTEM.
- ALL ROOF CURBS ARE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS; CURBS ARE TO BE INSTALLED LEVEL ON TOP.
- TEMPERATURE CONTROLS:
 - THE HEATING AND COOLING OF THE AIR HANDLING EQUIPMENT/ROOFTOP UNIT(S) WILL BE CONTROLLED BY A WALL THERMOSTAT LOCATED AS SHOWN ON DRAWINGS 54" A.F.F. AND HAVING THE STAGES OF HEATING AND COOLING GIVEN IN THE EQUIPMENT SCHEDULE.
- VIBRATION AND NOISE CONTROL APPLICATIONS:
 - ROOFTOP UNITS - MASON IND. SPRING ISOLATION CURB (RSC): MINIMUM STATIC DEFLECTION OF 1".
 - ALL EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR WILL BE PROTECTED WITH WIND CONTROL EQUIPMENT, SNUBBERS (MASON IND. TYPE Z_1011 OR Z_1225) AND RESTRAINTS THAT HAVE A RESTRAINT CAPABILITY ON THE ORDER OF 1 "G" OR BETTER,
 - NEOPRENE WASHERS AND BUSHINGS FOR ATTACHMENT OF EQUIPMENT TO THE STRUCTURE - MASON IND. TYPE HG.
- SHOWN LOCATION OF DIFFUSERS AND GRILLES IS APPROXIMATE - SEE ARCHITECTURAL REFLECTED CEILING PLAN(S) FOR EXACT LOCATIONS.
- ALL OUTSIDE AIR INTAKES ARE TO BE LOCATED A MINIMUM OF 10'-0" AWAY FROM OR 3'-0" BELOW EXHAUSTS, FLUES, PLUMBING VENTS, ETC.
- VIBRATION AND NOISE CONTROL INSTALLATION REQUIREMENTS:
 - ALL HOSES, PIPING, ELECTRICAL AND OTHER CONNECTIONS TO ANY ROOFTOP UNIT OR OTHER ROTATING EQUIPMENT MUST BE LOOPED WITH SUFFICIENT SLACK AND NOT RIGIDLY FASTENED.
 - ALL EQUIPMENT ATTACHED TO THE STRUCTURE SHALL UTILIZE NEOPRENE IMPREGNATED "DUCK" WASHERS AND BUSHING TO AVOID STEEL TO STEEL CONTACT.
 - UPON COMPLETION OF INSTALLATION OF ALL VIBRATION ISOLATION DEVICES, THE LOCAL REPRESENTATIVE OF VIBRATION ISOLATION EQUIPMENT SHALL INSPECT THE COMPLETE PROJECT AND CERTIFY IN WRITING TO THE CONTRACTOR THAT ALL SYSTEMS ARE INSTALLED PROPERLY, OR REQUIRE CORRECTION. THE CONTRACTOR SHALL SUBMIT THIS REPORT TO THE ARCHITECT CERTIFYING CORRECT INSTALLATION, OR INDICATING CORRECTIVE WORK TO BE DONE.
- WARRANTY, GUARANTEE AND CALCULATION INFORMATION REQUIRED:
 - CONTRACTOR IS TO PROVIDE TO OWNER (PRIOR TO FINAL ACCEPTANCE) WARRANTIES/GUARANTEES ON _ COMPRESSORS, LOGIC MODULES (5 YEARS); HEAT EXCHANGERS (10 YEARS),
 - WIND CONTROLS' MANUFACTURER MUST INCLUDE, WITH SUBMITTALS, ENGINEERING 'STAMPED' CALCULATIONS SHOWING DEFLECTIONS IN ALL SPATIAL PLANES.
- CONTRACTOR SHALL PROVIDE OPERATING AND MAINTENANCE MANUALS TO THE BUILDING OWNER. THESE SHALL INCLUDE EQUIPMENT CAPACITY, REQUIRED MAINTENANCE ACTIONS, OPERATION AND MAINTENANCE MANUALS, SYSTEM WIRING DIAGRAMS AND A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE. REFER TO THE FLORIDA ENERGY CODE FOR ADDITIONAL REQUIREMENTS.
- CABINET FANS SHALL HAVE BACKDRAFT DAMPERS THAT CLOSE WHEN THE FAN IS NOT OPERATING.
- ALL SUPPLY AND RETURN AIR DUCTS SHALL BE INSTALLED, SEALED AND INSULATED IN ACCORDANCE WITH FLORIDA ENERGY CODE TABLE 503.2.7.1. AND TABLE 503.2.7.2.



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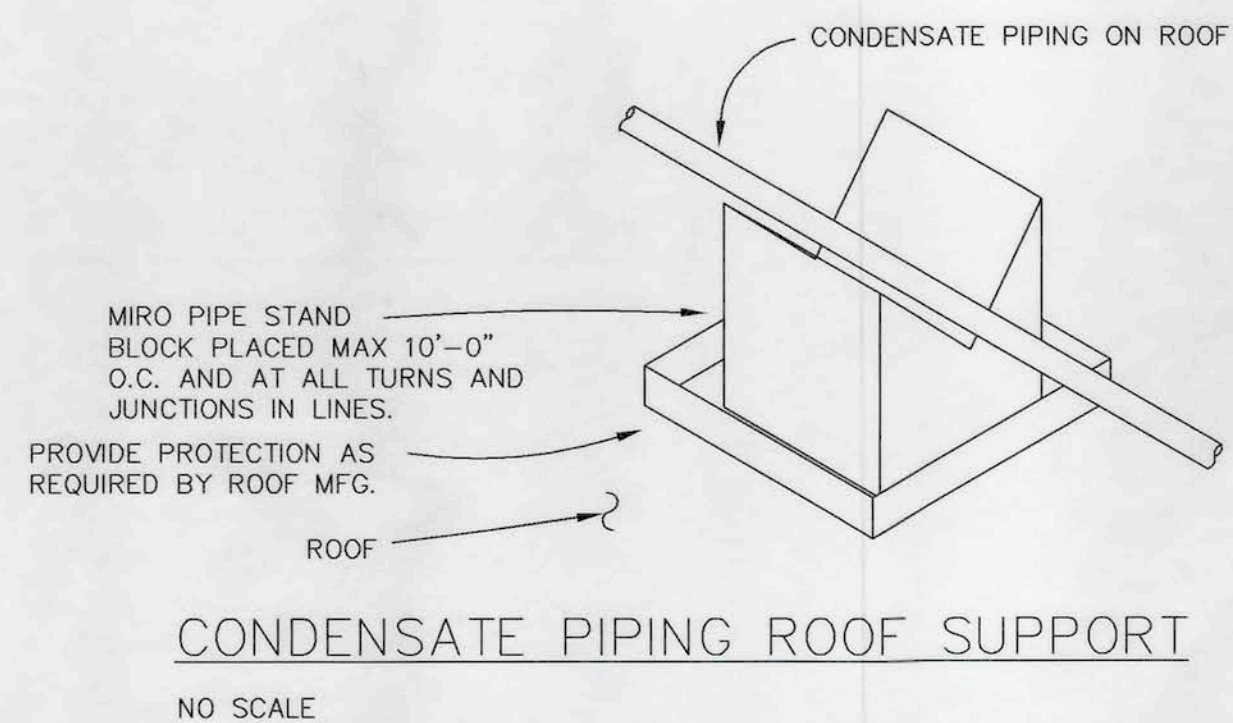
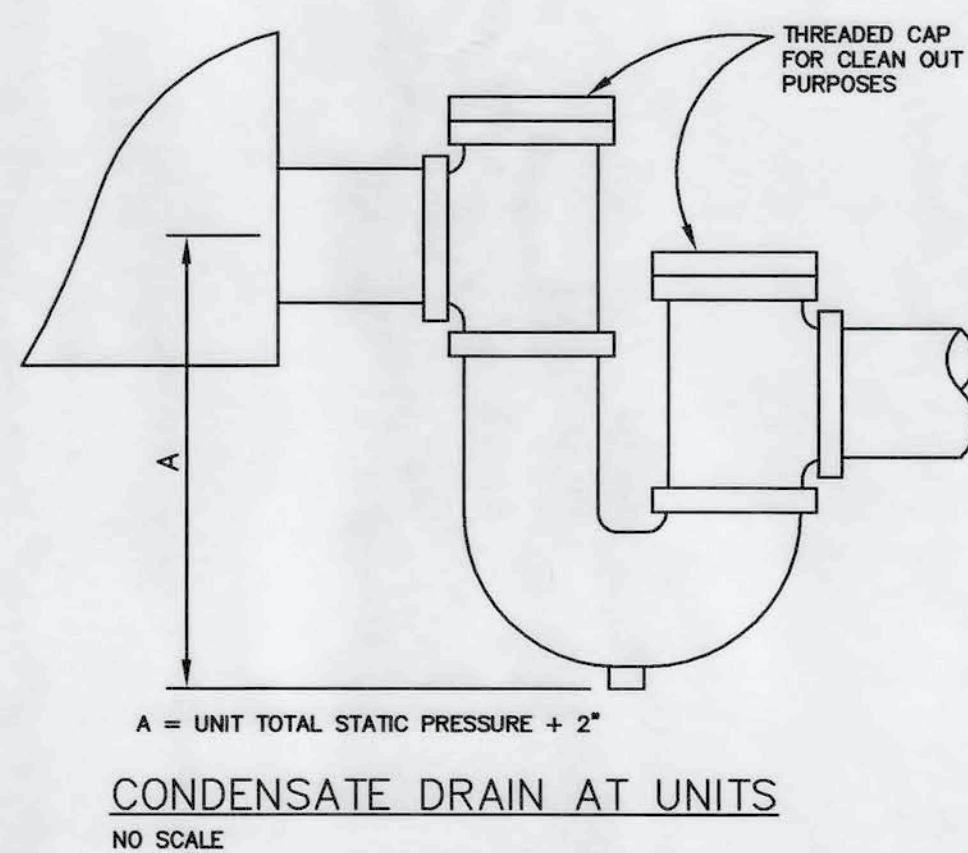
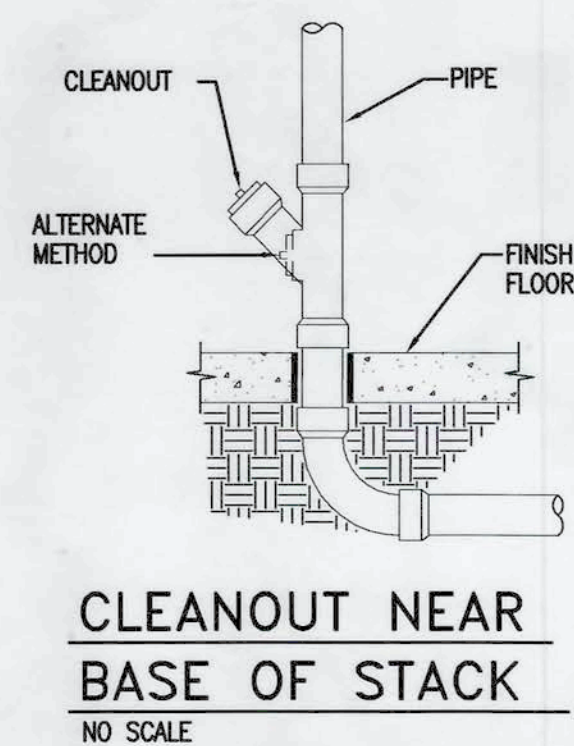
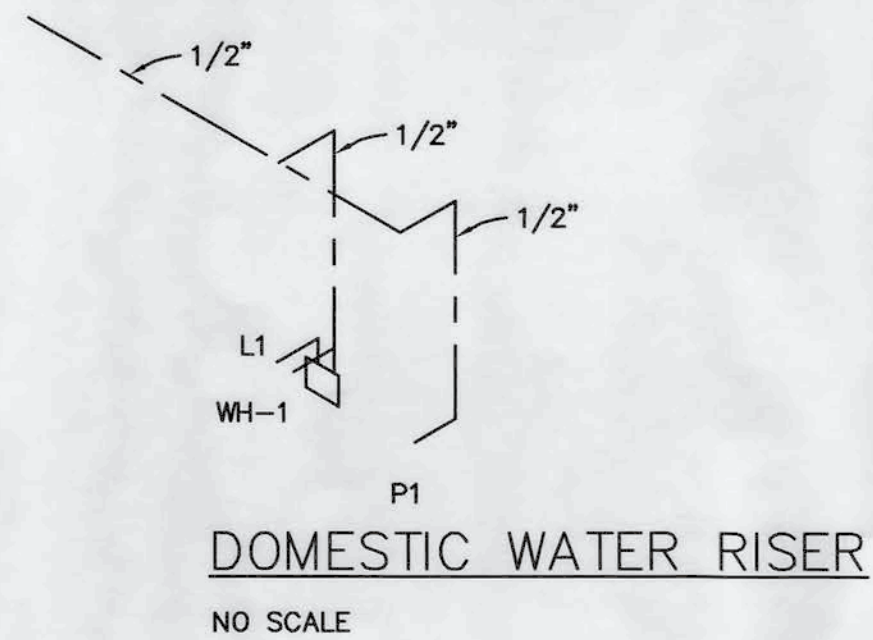
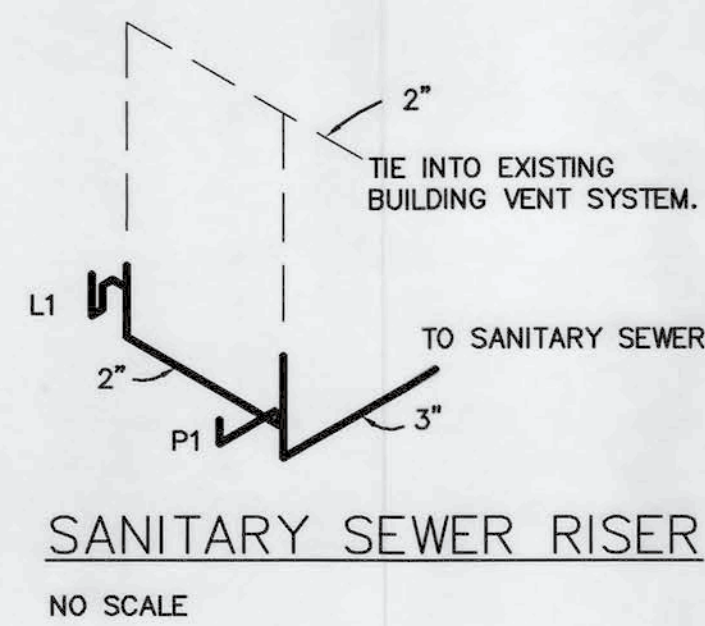
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MECHANICAL SCHEDULES AND NOTES

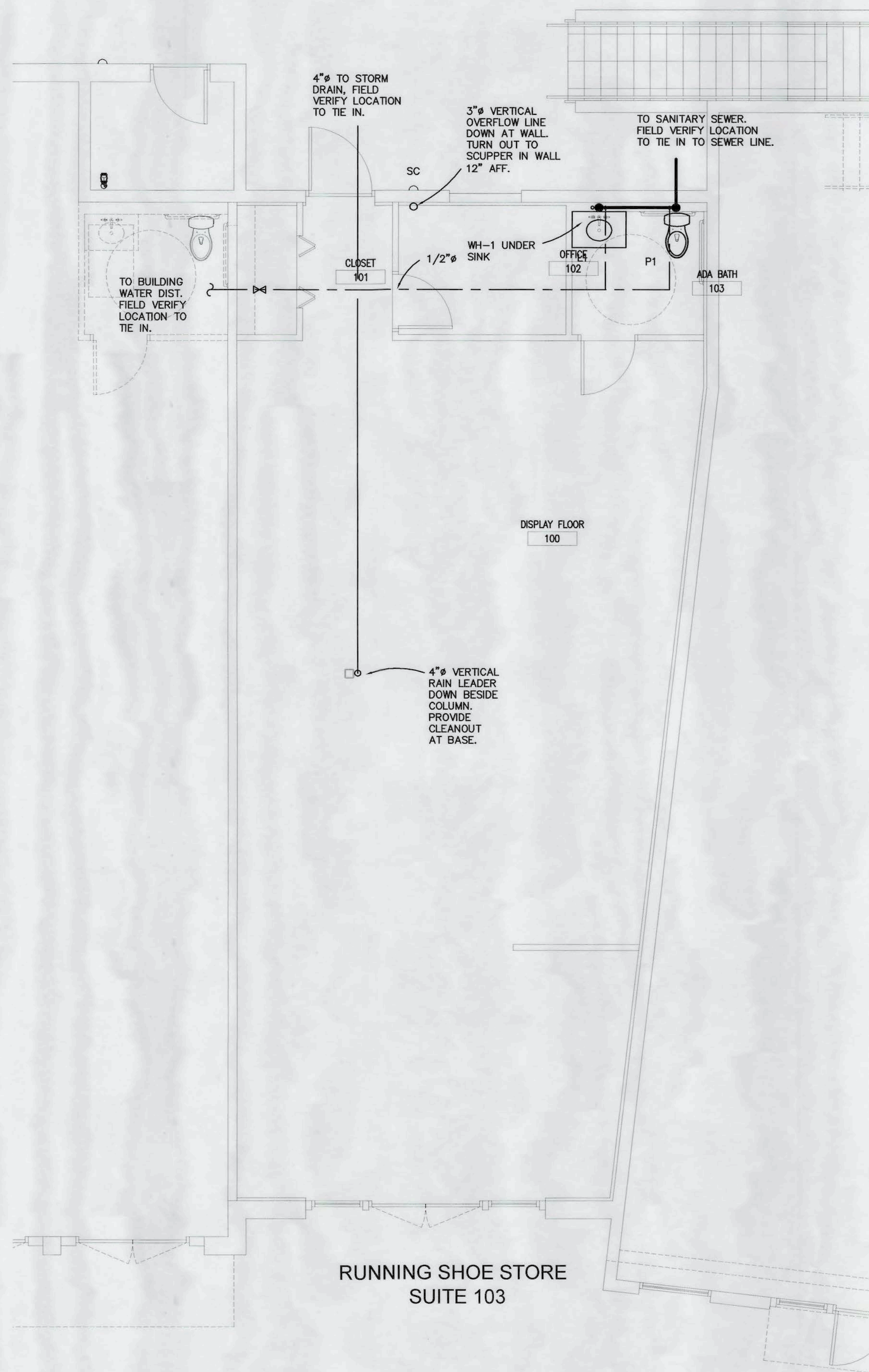
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PLUMBING SYMBOLS

- DOMESTIC COLD WATER
- - - DOMESTIC HOT WATER
- - - RECIRCULATION LINE
- SOIL & WASTE ABOVE GRADE
- G GAS
- ⊘ GATE, BALL OR BUTTERFLY VALVE
- ⊥ TEE
- 90° ELBOW
- WCO WALL CLEAN OUT
- FCO/ECO FLOOR/EXTERIOR CLEAN OUT
- 3" VTR VENT THRU ROOF
- POINT OF CONNECTION TO EXISTING PIPING

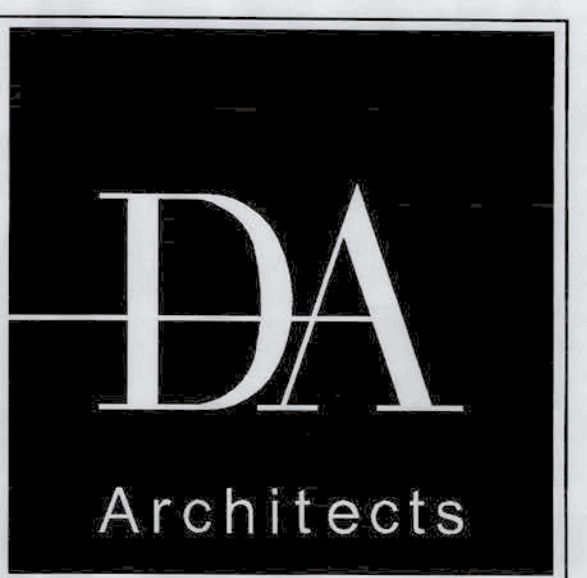


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10-06-15

1 PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"



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PLUMBING FLOOR PLAN	
DATE 10.06.15	DWG. NO. P100
SHEET OF .	PROJECT NO. 15034

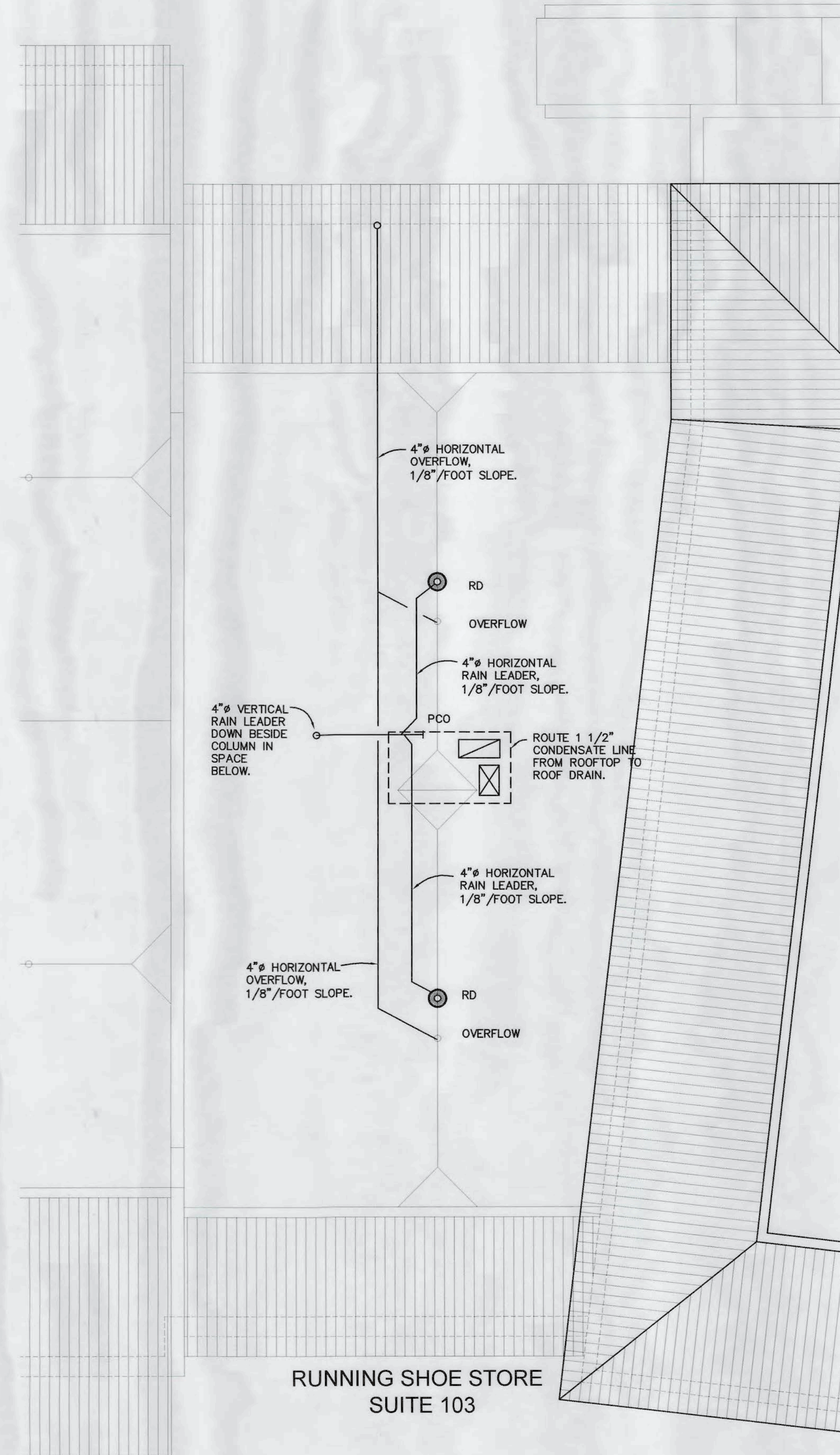
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FIXTURE SCHEDULE									
SYMB	FIXTURE	MANUFACTURER	CAT #	TRIM	SUPPLIES	CW	HW	W	VENT
L1	H/C WALL HUNG LAVATORY	PROFLOW	PF5514WH	MOEN M8430 WITH MIXING VALVE	TRAP WRAP	1/2"	1/2"	2"	1 1/2"
P1	H/C WATER CLOSET	PROFLOW	PF1403TW/H PF5112WHM	PFTSCOF2000WH		1"		3"	2"
WCO	WALL CLEAN OUT	SIOUX CHIEF	873-240P						
FCO	FLOOR CLEAN OUT	SIOUX CHIEF	852-4PNQ						
RD	ROOF DRAIN	ZURN	Z-100						
SC	SCUPPER	ZURN	Z-199						

WATER HEATER SCHEDULE							
SYMBOL	MANUFACTURER & MODEL NUMBER	CAPACITY	FUEL	EWT	LWT	VOLTAGE	REMARKS
WH-1	EEMAX MT005240TT	INSTANTANEOUS, 3.6 KW	ELECT.	50	110	240/1	MOUNTED UNDER SINK, INTEGRAL TEMPERATURE CONTROL TO MEET CODE

PLUMBING GENERAL NOTES:

- GENERAL: THE INTENT OF DRAWINGS AND SPECIFICATIONS IS TO INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NEEDED FOR INSTALLATION OF A COMPLETE AND WORKING PLUMBING SYSTEM. THE MAJOR ITEMS OF WORK AND MATERIALS SHALL INCLUDE NEW SANITARY WASTE TO EXISTING SEWER, COLD AND HOT WATER PIPING, PIPE INSULATION, VALVES AND FITTINGS, WASTE, SOIL AND VENT PIPING, PLUMBING FIXTURES, ETC. THE PLUMBING CONTRACTOR SHALL FURNISH ALL LABOR, INSTALL ALL MATERIAL AND EQUIPMENT AND INCLUDE SERVICES AND INCIDENTALS TO THE INSTALLATION OF WORK INVOLVED FOR A COMPLETE AND OPERATING FACILITY. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ASSEMBLING ANY EQUIPMENT SHIPPED IN SECTIONS, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- INSPECTION OF THE SITE: BEFORE BIDDING THIS JOB, PLUMBING CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE PLANS, THE SPECIFICATIONS AND THE BUILDING SITE. HE SHALL EXAMINE THE EQUIPMENT SPECIFICATION DRAWINGS AND INCLUDE ALL WORK AND INSTALLATION EQUIPMENTS IN HIS BID. HE SHALL EXAMINE THE SPECIFICATIONS, THE DRAWINGS AND THE SITE FOR CONFLICTS AND OBSTRUCTIONS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY SPECIAL OR UNUSUAL PROBLEMS BEFORE BIDS ARE SUBMITTED. AFTER THE WORK BEGINS, CONSIDERATION WILL NOT BE GIVEN TO SPECIAL OR UNUSUAL CONDITIONS THAT WERE DISCOVERABLE AT BID TIME.
- COORDINATION OF WORK: PLUMBING CONTRACTOR SHALL CONSIDER THE WORK OF ALL OTHER CONTRACTORS AND SHALL COORDINATE WITH THEM TO OBTAIN THE BEST ARRANGEMENT OF EQUIPMENT AND PIPING, SINCE THE DRAWINGS CANNOT SHOW ALL NECESSARY OFFSETS, OBSTRUCTIONS AND STRUCTURAL CONDITIONS. IT SHALL BE THE PLUMBING CONTRACTORS RESPONSIBILITY TO MAKE A CAREFUL EXAMINATION OF THE SITE AND ALL DRAWINGS AND TO ORGANIZE AND LAYOUT HIS WORK SO THAT IT WILL CONFORM TO THE STRUCTURE, MISC. PLUMBING PIPING, ELECTRICAL CONDUITS, KEEP OPENINGS AND PASSAGeways CLEAR, AND MAKE NECESSARY CONNECTIONS TO THE WORK OF ALL RELATED TRADES. ANY CHANGES NECESSARY TO ACCOMPLISH THIS SHALL BE MADE BY THE PLUMBING CONTRACTOR.
- CODES, PERMITS, INSPECTIONS AND PUBLIC SAFETY: PLUMBING CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, BONDING SERVICES, FILING FEES AND INSPECTIONS REQUIRED FOR HIS WORK. HE SHALL ALSO CORRECT ANY VIOLATIONS CITED BY THE INSPECTION BUREAU AFTER THEIR INSPECTION. ALL NECESSARY SIGNAL LIGHTS, BARRICADES, AND GUARDS FOR PUBLIC SAFETY FOR THIS WORK TO BE FURNISHED AND MAINTAINED BY THIS PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL COMPLY WITH THE BUILDING CODE THAT APPLIES AND ALL OTHER APPLICABLE LAWS, ORDINANCES OR RULINGS OF GOVERNING BODIES HAVING JURISDICTION. THE WORK SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND THE ENVIRONMENTAL PROTECTION AGENCY (EPA).
- WARRANTY: ALL EQUIPMENT PIPING, APPARATUS AND APPLIANCES SHALL OPERATE AND PERFORM AS DESIGNED WITH RESPECT TO EFFICIENCIES, CAPACITIES AND QUIETNESS FOR ONE YEAR FROM THE DATE OF FINAL CERTIFICATE OF APPROVAL. PLUMBING CONTRACTOR SHALL IMMEDIATELY AMEND, REPAIR OR REPLACE AT HIS EXPENSE ANY DEFECTIVE PART OF THE INSTALLATION RESULTING FROM FAULTY WORKMANSHIP OR MATERIALS. NATURAL WEAR, ACCIDENTS OR CARELESSNESS ON THE PART OF THE OWNER ARE NOT THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION.
- PLUMBING CONTRACTOR SHALL PROVIDE CONDENSATE DRAIN FROM ROOFTOP UNIT TO ROOF DRAIN.
- WATER PIPING:
 - * ABOVE SLAB - COPPER TYPE "L"; BELOW SLAB AND GROUND OUTSIDE OF BUILDING - COPPER TYPE "K"; (USE ONLY 95-5 SILVER SOLDERED JOINTS), OR ALTERNATE PIPING MATERIAL APPROVED BY A/E.
 - * INSULATE IN ACCORDANCE WITH CURRENT ENERGY CODE.
 - * PROVIDE EACH FIXTURE WITH STOPS AND SUPPLIES; EXPOSED STOPS AND LINES SHALL BE CHROME PLATED. ALL STOPS ARE TO BE QUARTER TURN LOOSE KEY TYPE.
 - * PROVIDE WATER-HAMMER PROTECTION AT EACH FIXTURE, OR GROUP OF SIMILAR FIXTURES.
 - * STERILIZE WATER PIPING IN ACCORDANCE WITH THE HEALTH DEPARTMENT REGULATIONS AND AMERICAN WATER WORKS ASSOCIATIONS' SPECIFICATIONS.
- PLUMBING CONTRACTOR IS TO CONCEAL, WHERE POSSIBLE, ALL PIPING AND VENT LINES IN WALLS AND "OFFSET" WHERE NECESSARY.
- MAXIMUM WATER TEMPERATURE TO HANDICAPPED PLUMBING FIXTURES SHALL NOT EXCEED 105 DEGREES F. ALL EXPOSED HOT WATER LINES AND DRAINS SHALL BE FULLY INSULATED.
- ROOF DRAIN PIPING: ABOVE GROUND INSIDE BUILDING IN UNOCCUPIED AREA SCHEDULE 40 PVC WITH LONG SWEEP ELBOWS; UNDERGROUND INSIDE BUILDING, OCCUPIED AREAS AND TO FACE OF CURB - COATED CAST IRON HUBLESS PIPE AND FITTINGS. INSULATE ALL ABOVE GROUND PIPING WITH 1/2" THICK CELLULAR-ELASTOMER INSULATION.
- SOIL, VENT AND WASTE: SOIL PIPE AND FITTINGS BELOW FLOOR AND 36" OUTSIDE THE FOUNDATION SHALL BE STANDARD WEIGHT CAST IRON SOIL PIPE (ASPHALTUM COATED) WITH JOINTS OF NON-HUB PIPE WITH STAINLESS STEEL COUPLINGS (SCHEDULE 40 PVC PLASTIC DRAIN, WASTE AND VENT PIPE AND VENT PIPE AN FITTINGS WHEN ALLOWED BY CODE). TEST WITH 10' HEAD OF WATER. GRADE NOT LESS THAN 1/8" PER FOOT. PROVIDE CLEANOUTS WHERE REQUIRED OR WHERE SHOWN. INSTALL RESERS PLUMB AND TRUE. VENT PIPING SHALL BE STANDARD WEIGHT PVC PLASTIC PIPE. PROVIDE FLOOR CLEANOUTS PER IPC #708. OFFSET LINES WHERE REQUIRED TO CLEAR STRUCTURE. EXPOSED WASTE DRAINS, IN TOILETS, SHALL BE CHROME PLATED BRASS, WITH MATCHING STOPS AND ESCUTCHEONS. ROOF PENETRATIONS SHALL BE WITH AN APPROVED PENETRATION PER ROOFING SUPPLIER/MANUFACTURER. VENT THRU ROOF FLASHED WITH APPROVED FLASHING MATERIAL EXTENDED 10" IN ALL DIRECTIONS UNDER ROOFING MATERIALS AND TURN FLASHING DOWN IN TOP OF VENT.
- EXCAVATING AND BACKFILLING: ALL EXCAVATION AND TRENCHES AS REQUIRED FOR ANY WORK UNDER THIS CONTRACT SHALL BE BY THE PLUMBING CONTRACTOR. BRACE TRENCHES NEAR WALLS OR COLUMNS AND CRIB EXCAVATIONS AS REQUIRED TO PREVENT CAVING. MECHANICAL COMPACT BACKFILL IN 6" MAX. DEPTH LIFTS PRIOR TO PATCHING SLAB.
- ALL NECESSARY VALVES, DRAIN, TRAPS, ETC. SHALL BE FURNISHED BY PLUMBING CONTRACTOR. PROVIDE STOPS (MCQUIRE OR EQUAL) AT SUPPLIES AT LAVATORIES AND WATER CLOSETS.
- PLUMBING CONTRACTOR SHALL NOT PASS SANITARY, DOMESTIC WATER, VENT PIPING, OR ANY OTHER TYPE OF PLUMBING DIRECTLY OVER AND ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR TO MAINTAIN ANY REQUIRED CLEARANCES.
- THE PIPING SYSTEM SHALL BE ARRANGED SO AS TO PREVENT WATER HAMMER. EACH ISOLATED FIXTURE SHALL HAVE A WATER HAMMER ARRESTOR ON THE WATER CONNECTION. ALL GROUPS OF FIXTURES SHALL CONNECT TO A WATER BRANCH WHICH SHALL END WITH A FULL SIZE WATER HAMMER ARRESTOR.



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1 PLUMBING ROOF PLAN
 SCALE: 1/4" = 1'-0"



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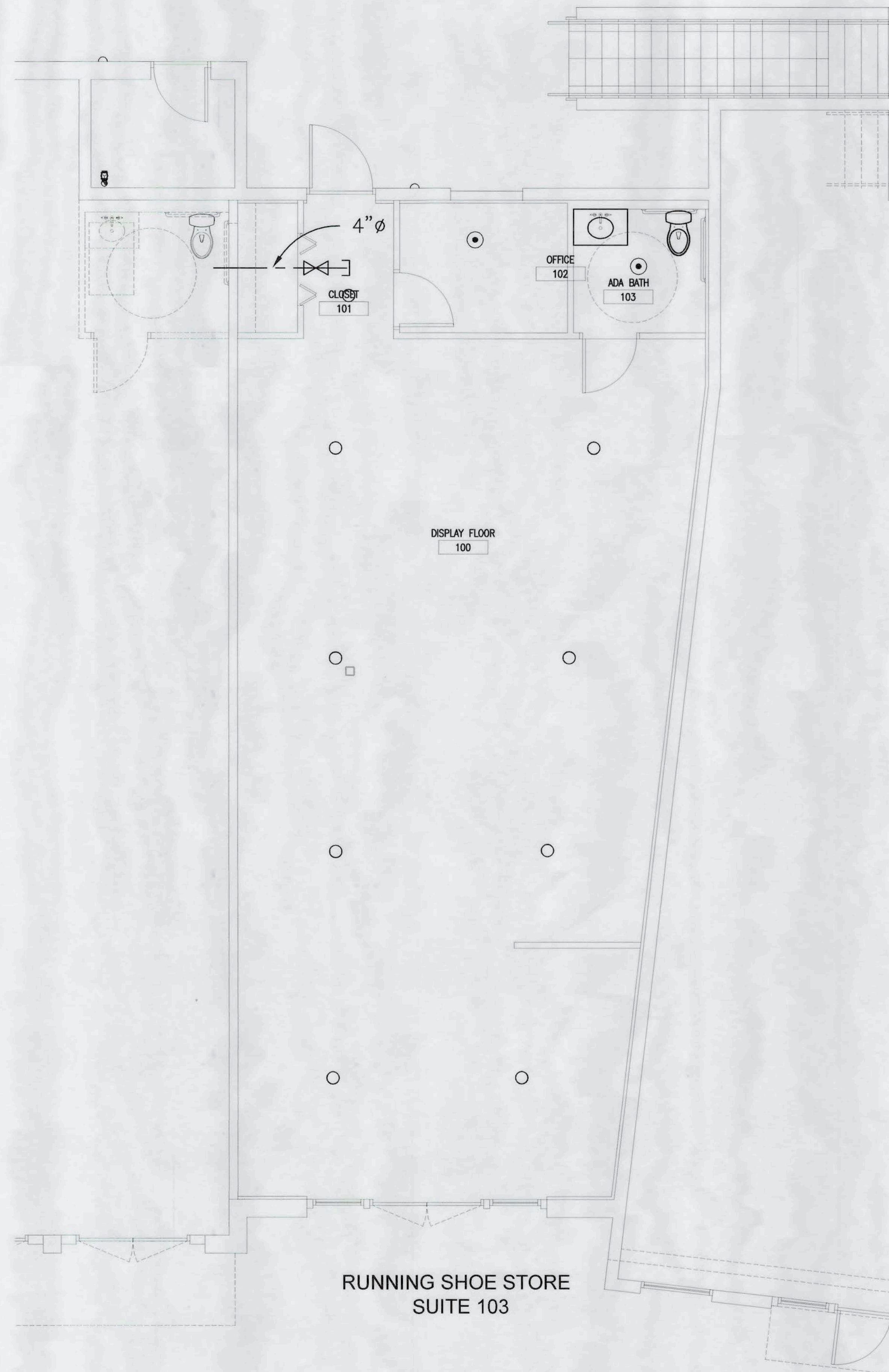
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FIRE PROTECTION NOTES:

1. CONTRACTOR SHALL PREPARE SHOP DRAWINGS OF HIS PROPOSED WORK, SUBMIT THEM TO THE INSPECTION BUREAU HAVING JURISDICTION AND OWNER'S INSURING AGENT, OBTAIN STAMPED APPROVED PLANS AND LETTER OF APPROVAL, AND THEN SUBMIT THE APPROVED DRAWINGS AND LETTER OF THE ABOVE AGENCIES TO THE OWNER'S REPRESENTATIVE FOR HIS APPROVAL. CONTRACTOR SHALL PROVIDE SPRINKLER HEAD FLOW DENSITY AND PIPING DESIGN IN ACCORDANCE WITH OCCUPANCY REQUIREMENTS SPECIFIED BY THE INSPECTION BUREAU HAVING JURISDICTION AND THE OWNER'S INSURING AGENT. NO SPRINKLER WORK SHALL BE EXECUTED PRIOR TO THE ABOVE APPROVALS.
2. CONTRACTOR IS TO PROVIDE A COMPLETE FIRE PROTECTION SYSTEM FOR THE ENTIRE BUILDING IN STRICT ACCORDANCE WITH:
 - * NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS,
 - * NFPA 101 - LIFE SAFETY CODE.
3. FIRE PROTECTION SYSTEMS AND EQUIPMENT SHALL INCLUDE PIPING, SPRINKLER HEADS, SYSTEM TESTS, TEST AND DRAIN CONNECTIONS, EQUIPMENT SUPPORTS, CHECK VALVES, ETC. FOR A COMPLETE WORKING SYSTEM.
4. CONTRACTOR IS TO PROVIDE SPRINKLER SYSTEM FOR ALL SPACES REQUIRING PROTECTION PER NFPA AND LOCAL FIRE CODE JURISDICTIONS.
5. PRODUCTS AND MATERIALS UTILIZED FOR FIRE PROTECTION SERVICE SHALL BE UL LISTED AND FM APPROVED FOR THE INTENDED PURPOSE.
6. CONTRACTOR IS TO PAY FOR ALL TAP FEES, PERMITS, VALVES, PITS, ETC. REQUIRED BY NFPA, LOCAL FIRE CODE JURISDICTION, AND WATER UTILITY.
7. CONTRACTOR IS TO PROVIDE ALL WATER SUPPLY PROTECTION AS REQUIRED BY LOCAL WATER UTILITY.
8. THE TEMPERATURE RATINGS OF HEADS SHALL BE AS PER APPLICABLE NFPA STANDARDS.
9. SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS AND OWNER'S INSURANCE COMPANY.
10. CONTRACTOR SHALL REVIEW ARCHITECT'S REFLECTED CEILING PLANS & LOCATE ALL HEADS SO AS NOT TO INTERFERE WITH OTHER TRADES OR ELEMENTS.
11. CONTRACTOR SHALL SUBMIT PRELIMINARY HEAD LAYOUT FOR REVIEW BY ARCHITECT PRIOR TO BEGINNING ROUTING OF PIPE AND PRIOR TO BEGINNING CALCULATIONS.
12. CONTRACTOR SHALL CONDUCT REQUIRED FLOW TESTS AS PER APPLICABLE NFPA STANDARDS AND GUIDELINES.
13. CONTRACTOR SHALL FURNISH AND INSTALL ALL VALVES, TAMPER SWITCHING, WATER FLOW SWITCHES, DRAIN VALVES, SOLENOIDS, ETC. WIRING OF SWITCHES TO BE BY ELECTRICAL CONTRACTOR.
14. CONTRACTOR SHALL OBTAIN STAMPED APPROVAL OF SYSTEM FROM ALL GOVERNING AUTHORITIES AND OWNER'S INSURANCE COMPANY PRIOR TO ORDERING MATERIAL AND/OR BEGINNING INSTALLATION OF SAME.
15. SPRINKLER HEAD QUANTITIES & LOCATIONS SHOWN ON PLANS ARE MINIMUM REQUIREMENTS.
16. HEADS IN AREAS WITH CEILINGS SHALL BE CHROME PLATED PENDANT TYPE. PROVIDE ESCUTCHEONS ON ALL PENDANT HEADS IN FINISHED AREA.
17. PROVIDE FIRE SAFING MATERIAL AT ALL RATED WALLS & FLOOR PENETRATIONS TO MAINTAIN FIRE RATINGS.
18. PROVIDE INSPECTOR'S TEST AT ALL POINTS REQUIRED IN SYSTEM AND EXTEND SAME TO DRAIN. COORDINATE WITH PLUMBING CONTRACTOR FOR SAME AND INCLUDE COST OF SAME IN BID.
19. THE CONTRACTOR SHALL AVOID ALL HVAC, ELECTRICAL, PLUMBING, STRUCTURAL ELEMENTS, ETC. AS REQUIRED FOR PROPER INSTALLATION OF SYSTEM.
20. ANY DEVIATION FROM REQUIREMENTS OF NFPA, LOCAL OR STATE CODES OR UTILITY REQUIREMENTS SHALL REQUIRE A LETTER TO BE SUBMITTED TO THE DESIGNER LISTING THE PROPOSED DEVIATION AND APPROVAL (IN WRITING FROM APPROVING AGENCY) PRIOR TO INSTALLATION OF THE SYSTEM.
21. SPRINKLER HEAD LAYOUT SHOWN IS FOR COORDINATION PURPOSES ONLY. CONTRACTOR IS TO PROVIDE COMPLETE LAYOUT TO MEET CODE.

SPRINKLER LEGEND

-  SIDEWALL SPRINKLER
-  PENDANT SPRINKLER
-  UPRIGHT SPRINKLER
-  FIRE DEPARTMENT CONNECTION



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Handwritten signature and date: 10/06/15

1 FIRE PROTECTION FLOOR PLAN
SCALE: 1/4" = 1'-0"



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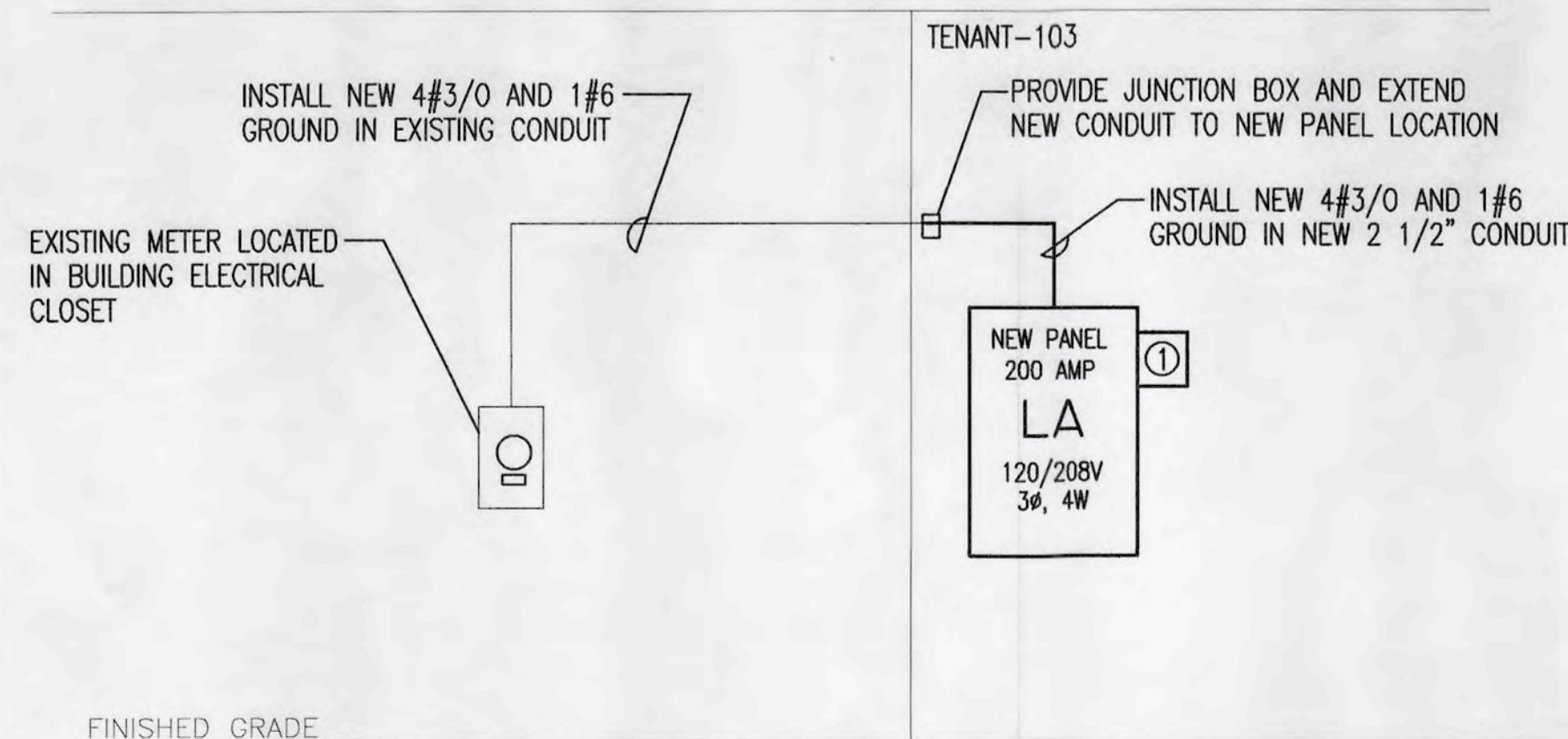
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ELECTRICAL GENERAL NOTES

- COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE, AND THE NATIONAL ELECTRIC CODE. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
- ALL ELECTRICAL WORK AND MATERIALS USED IN THIS PROJECT SHALL BE NEW, UNDERWRITERS' LABORATORIES (UL) LISTED AND LABELED, AND SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- CONDUIT ROUTINGS AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL FIELD ROUTE AND LOCATE AS REQUIRED. CONDUIT ROUTINGS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- PAINT ALL NEW EXPOSED SURFACE RUN CONDUITS TO MATCH COLOR OF SURFACE UPON WHICH THEY ARE PLACED.
- FURNISH 1/4" NYLON PULL ROPE IN ALL EMPTY CONDUITS FOR PULLING OF CONDUCTORS/CABLES.
- PROVIDE RIGID PLASTIC INSULATED BUSHING ON END OF ALL TELECOMMUNICATIONS AND CABLE TV CONDUIT STUB-OUTS.
- COORDINATE LOCATIONS OF ALL NEW ELECTRICAL EQUIPMENT, DEVICES, OUTLETS, FIXTURES, ETC., WITH ARCHITECTURAL PLANS, ELEVATIONS AND REFLECTED CEILING PLANS PRIOR TO ROUGH-IN WORK.
- WHERE CONFLICTS OCCUR ON ELECTRICAL DRAWINGS BETWEEN DRAWINGS, SPECIFICATIONS AND CODES, THE MOST STRINGENT REQUIREMENT THAT APPLIES SHALL BE ADHERED TO.
- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST AND SHALL PERFORM THE WORK AS SHOWN AND SPECIFIED.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION AND SIZE OF EQUIPMENT WHICH ARE PROVIDED BY OTHERS AND CONNECTED BY ELECTRICAL.
- PROVIDE A 6"-0" MAXIMUM FLEXIBLE CONNECTION FROM EACH RECESSED LIGHTING FIXTURE TO OUTLET BOX ABOVE CEILING.
- ALL NEW OUTLET BOXES FOR MOUNTING LIGHTING FIXTURES SHALL BE MINIMUM 4" SQUARE OR OCTAGONAL X 1 1/2" DEEP UNLESS NOTED OTHERWISE.
- ALL OUTLET BOXES FOR RECEPTACLES SHALL BE 4" SQUARE X 1 1/2" DEEP UNLESS NOTED OTHERWISE.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING IN FOR SWITCHES.
- WALL OUTLETS SHALL NOT BE INSTALLED BACK TO BACK.
- ALL PANELBOARDS AND SAFETY SWITCH DISCONNECTS SHALL BE FURNISHED WITH LAMINATED PLASTIC NAMEPLATES. NAMEPLATES SHALL BE MELAMINE PLASTIC, 0.125" THICK, WHITE WITH BLACK CENTER CORE. SURFACE SHALL BE MATTE FINISHED. CORNERS SHALL BE SQUARE. ACCURATELY ALIGN LETTERING AND ENGRAVE INTO THE CORE. MINIMUM SIZE OF NAMEPLATES SHALL BE 1" X 2 1/2". LETTERING SHALL BE A MINIMUM OF .25" HIGH, NORMAL BLOCK STYLE. FASTEN NAMEPLATES WITH A MINIMUM OF TWO SHEET-METAL SCREWS OR TWO RIVETS, PER NAMEPLATE.
- WORKING SPACE OF 36" FOR 208/120 VOLT SYSTEMS SHALL BE MAINTAINED IN FRONT OF ALL ELECTRICAL PANELS AND DEVICES.
- BUSBARS ARE TO BE PROVIDED FOR ALL POLES INDICATED ON PANEL SCHEDULE, REGARDLESS OF WHETHER POLES ARE SHOWN WITH CIRCUIT BREAKERS OR "SPACE ONLY". ALL BUSBARS SHALL BE COPPER.
- USE OF SERIES RATED CIRCUIT BREAKERS IS NOT ALLOWED.
- USE OF PLUG-IN CIRCUIT BREAKERS IS NOT ALLOWED.
- PROVIDE A TYPED PANELBOARD DIRECTORY FOR ALL ELECTRICAL PANELBOARDS IN THIS CONTRACT. MOUNT IN HOLDER BEHIND A TRANSPARENT PROTECTIVE COVERING. PANELBOARD DIRECTORIES SHALL INDICATE SOURCE OF FEEDER TO PANELBOARD (I.E.: PANEL "B" FED FROM PANEL "MP"). HANDWRITTEN PANELBOARD DIRECTORIES ARE UNACCEPTABLE.
- ALL ELECTRICAL OUTLETS WITHIN 6 FEET OF A WATER SOURCE MUST BE GFCI PROTECTED.
- ALL CONDUCTORS INDICATED ON PLAN SHALL BE COPPER. CONNECT ALL EMERGENCY FIXTURES AHEAD OF THE LOCAL SWITCH.
- FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED MOTOR STARTERS FOR MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZES REQUIRED.
- ALL LOW VOLTAGE CABLING NOT INSTALLED IN CONDUIT SHALL BE PLENUM RATED.
- ALL DEVICE FINISHES AND COLORS SHALL BE APPROVED BY THE OWNER AND ARCHITECT PRIOR TO ORDERING MATERIALS.

FIRE ALARM CONTRACTOR SHALL PROVIDE FULL SHOP DRAWINGS SIGNED/SEALED BY A PROFESSIONAL ENGINEER FOR ALL FIRE ALARM WORK AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. ALL DEVICES SHALL BE INSTALLED TO COMPLY WITH FLORIDA BUILDING CODE, NFPA, AND THE AHJ.



POWER RISER DIAGRAM
NOT TO SCALE

- KEY NOTES:
① INSTALL SURGE SUPPRESSOR

ELECTRICAL LEGEND

- CEILING OUTLETS**
- A" RECESSED 2' X 4' FLUORESCENT FIXTURE MARK "A"
- TRACK LIGHT
- RECESSED MOUNT DOWNLIGHT
- JUNCTION BOX
- EXHAUST FAN
- WALL OUTLETS**
- EMERGENCY BATTERY PACK
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- WP- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- QUADRUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- WALL MOUNTED EXIT LIGHT

- WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)**
- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- S3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- DIMMING SWITCH
- BRANCH CIRCUITING**
- RUN CONCEALED IN CEILING OR WALLS
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND - 1/2" C; 3 #12, 1 #12 GROUND - 1/2" C; 4 #12, 1 #12 GROUND - 1/2" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES
- TELEPHONE & TELEVISION**
- WALL OUTLET - 4" SQ X 2" DEEP BOX; INSTALL 3/4" CONDUIT WITH PULLRIBBON FROM OUTLET BOX TO LOCATION TO BE COORDINATED WITH THE COMMUNICATIONS CONTRACTOR/OWNER, PROVIDE RJ-45 COVERPLATE WITH TWO (2) CATEGORY 6 DATA JACKS IN EACH; MOUNT 18" A.F.F. U.N.O.
- TBB** TELEPHONE BACKBOARD - 3/4" EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH, SIZE AS SHOWN; INSTALL 1#6 GROUND TO BACKBOARD AND 10' OF COIL
- PANELS AND POWER**
- 120/208 VOLT PANELBOARD
- NON-FUSIBLE DISCONNECT SWITCH; XX/Y/Z WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING
- MISCELLANEOUS**
- A.F.F. ABOVE FINISH FLOOR
- WP WEATHERPROOF
- U.N.O. UNLESS NOTED OTHERWISE

120/208 VOLT 3Ø 4W 200 AMP MAIN BREAKER												CIRCUIT BREAKER PANEL SCHEDULE PANEL LA		FLUSH MOUNTED NEMA 1 ENCLOSURE	
CKT	LOAD DESCRIPTION	BREAKER			KVA/PHASE			BREAKER			LOAD DESCRIPTION	CKT			
		POLE	AMP		A	B	C	A	B	C			AMP	POLE	
1	LTS-OFFICE/TOILET/CLOSET	1	20	.32			.72			20	1	REC-OFFICE	2		
3	TRACK LTS-DISPLAY FLOOR	1	20		1.5		.90			20	1	REC-DISPLAY FLOOR/TOILET	4		
5	TRACK LTS-DISPLAY FLOOR	1	20			1.5		.72		20	1	REC-DISPLAY FLOOR	6		
7	TRACK LTS-DISPLAY FLOOR	1	20	1.5			.72			20	1	REC-DISPLAY FLOOR	8		
9	TRACK LTS-DISPLAY FLOOR	1	20		1.0		.90			20	1	REC-DISPLAY FLOOR	10		
11	INSTANT WATER HEATER	2	25			1.8			6.4	6.4		RTU-1	12		
13				1.8			6.4			70(1)	3		14		
15	ROOFTOP RECEPTACLE	1	20		.18			6.4					16		
17	SPARE	1	20									SPACE ONLY	18		
19	SPARE	1	20									SPACE ONLY	20		
21	SPARE	1	20									SPACE ONLY	22		
23	SPARE	1	20									SPACE ONLY	24		
25	SPARE	1	20									SPACE ONLY	26		
27	SPARE	1	20									SPACE ONLY	28		
29	SPARE	1	20									SPACE ONLY	30		
31	SPARE	1	20									SPACE ONLY	32		
33	SPARE	1	20									SPACE ONLY	34		
35	SPARE	1	20									SPACE ONLY	36		
37	SPARE	1	20									SPACE ONLY	38		
39	SPARE	1	20							30	3	SURGE SUPPRESSOR	40		
41	SPARE	1	20										42		

TOTAL CONNECTED KVA

11.46	10.88	10.42
A	B	C

MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL

① HACR RATED BREAKER; VERIFY SIZE REQUIRED FOR EQUIPMENT FURNISHED.

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND CATALOG No.	LAMPS		MOUNTING	REMARKS
		No.	TYPE		
BP	DAY BRITE CAX6N	2	MR16	WALL MOUNT @ 7'-6" AFF	EMERGENCY BATTERY PACK, NI-CAD, LOW PROFILE, SELF-TEST/SELF-DIAGNOSTICS, 120V
DL	H.E. WILLIAMS PH60-142T-CS-EB2-UNV	1	F42 TT	CEILING RECESSED	6" RECESSED COMPACT FLUORESCENT DOWNLIGHT, ELECTRONIC BALLAST, 120V
F14	H.E. WILLIAMS 50-S14-232-RA12125-EB2-UNV	2	F32T8	PENDANT MOUNT @ 9'-0" AFF	2-LAMP, 1' X 4' FLUORESCENT LENSED TROFFER, ELECTRONIC BALLAST 120V
FT2	H.E. WILLIAMS 50G-S24-232 SA12125-EB2-UNV	2	F32T8	CEILING RECESSED	2-LAMP, 2' X 4' FLUORESCENT LENSED TROFFER, ELECTRONIC BALLAST 120V
TR	OWNER SELECTED TRACK LIGHT	-	LED	ON TRACK	OWNER SELECTED DECORATIVE TRACK LIGHTING, # OF TRACK HEADS TO BE DETERMINED BY OWNER, 120V
X	DAY BRITE ER55LDT-1-12/27-W-R		LED	WALL ABOVE DOOR	EMERGENCY EXIT SIGN WITH DIE CAST ALUMINUM HOUSING, SELF-TEST DIAGNOSTICS, UNIVERSAL END/CEILING/WALL MOUNT

- ALL FIXTURE COLORS AND FINISHES SHALL BE APPROVED BY THE OWNER AND ARCHITECT PRIOR TO ORDERING
- ALL FIXTURES THAT ARE CONSIDERED EQUAL SHALL BE SUBMITTED FOR APPROVAL A MINIMUM 10 DAYS PRIOR TO BID

David M. Bagwell
10/9/15
PROFESSIONAL ENGINEER

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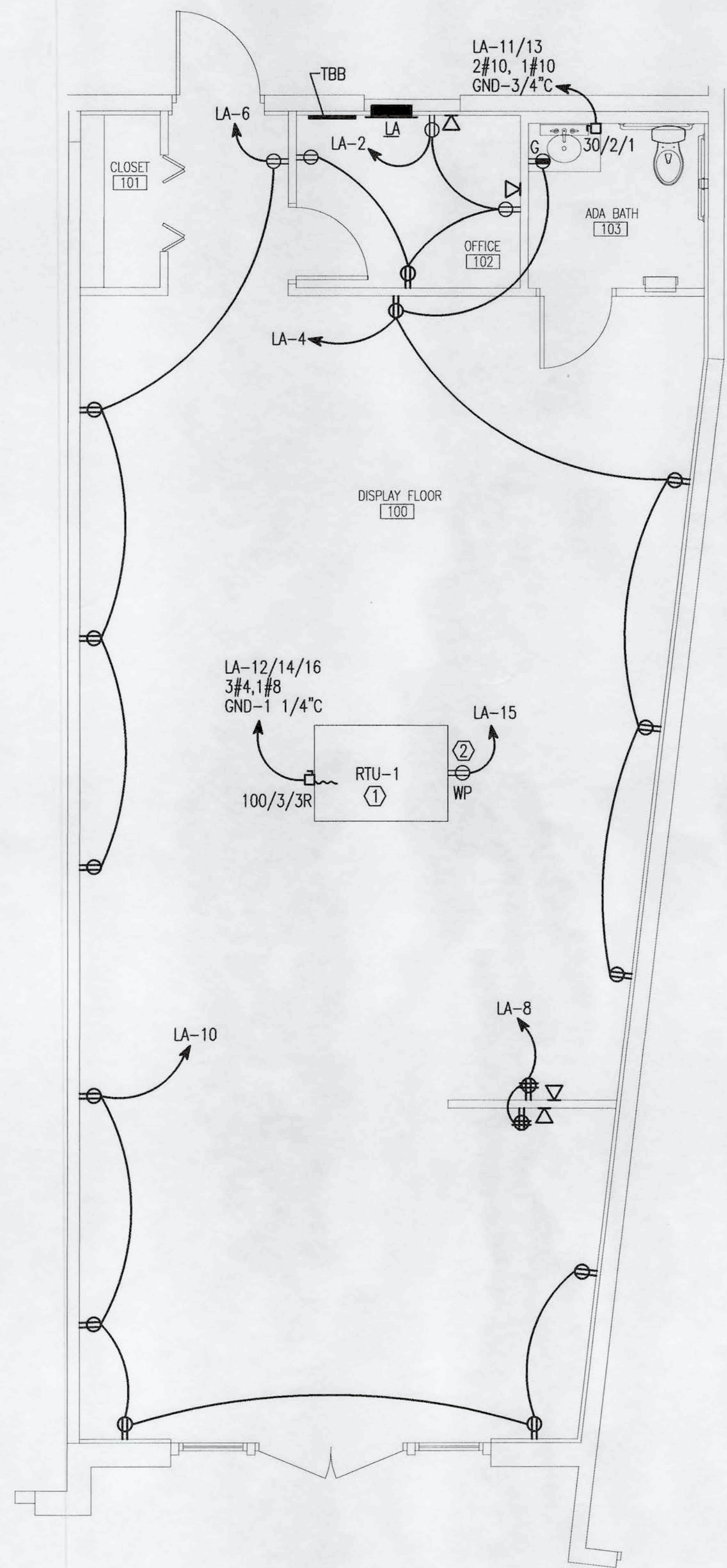
REV. NO.	DATE	DESCRIPTION

PROJ. ENGINEER: DMB
DRAWN BY: TNM
CHECKED BY: DMB

ELECTRICAL LEGEND, NOTES AND LIGHTING FIXTURE SCHEDULE

DATE: 07 OCT. 2015
SHEET OF:
DWG. NO.: E001
PROJECT NO.: 15034

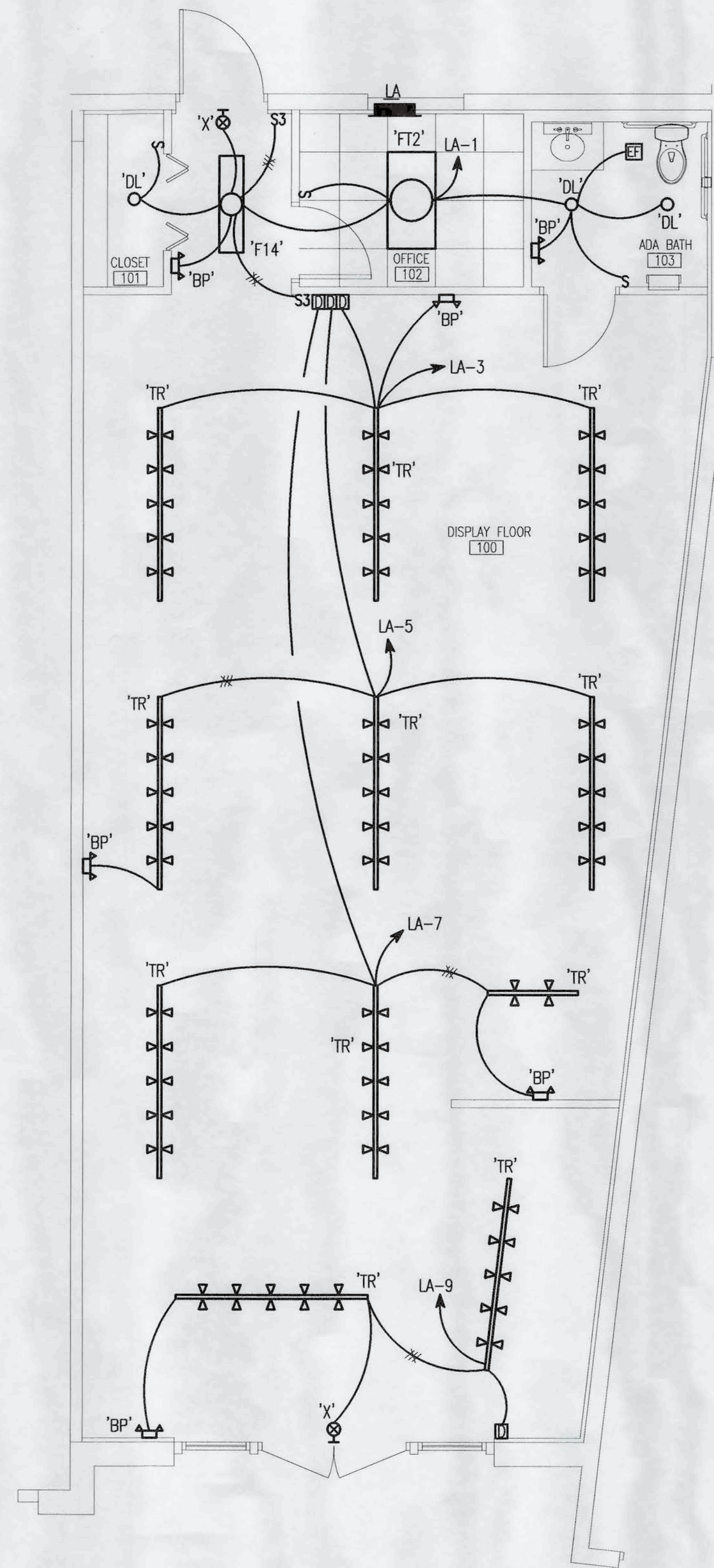
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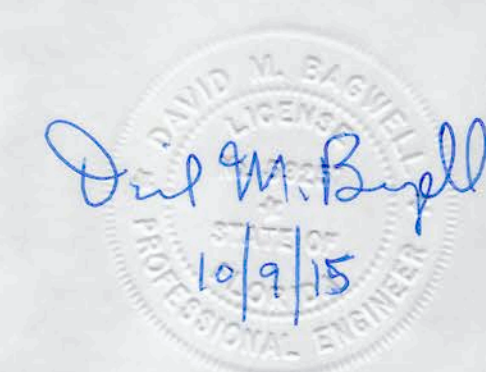
POWER PLAN
SCALE: 1/4"=1'0"

KEY NOTES:

- ① ROOFTOP UNIT SHALL BE 208V/3Ø. COORDINATE EXACT LOCATION OF ROOFTOP UNIT WITH MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
- ② ROOFTOP RECEPTACLE FOR MECHANICAL MAINTENANCE PURPOSES. PROVIDE INTEGRAL WITH ROOFTOP UNIT.



LIGHTING PLAN
SCALE: 1/4"=1'0"



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PROJ. ENGINEER: DMB
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POWER AND LIGHTING PLAN

DATE	DWG. NO.
07 OCT. 2015	E100
SHEET	PROJECT NO.
OF	15034