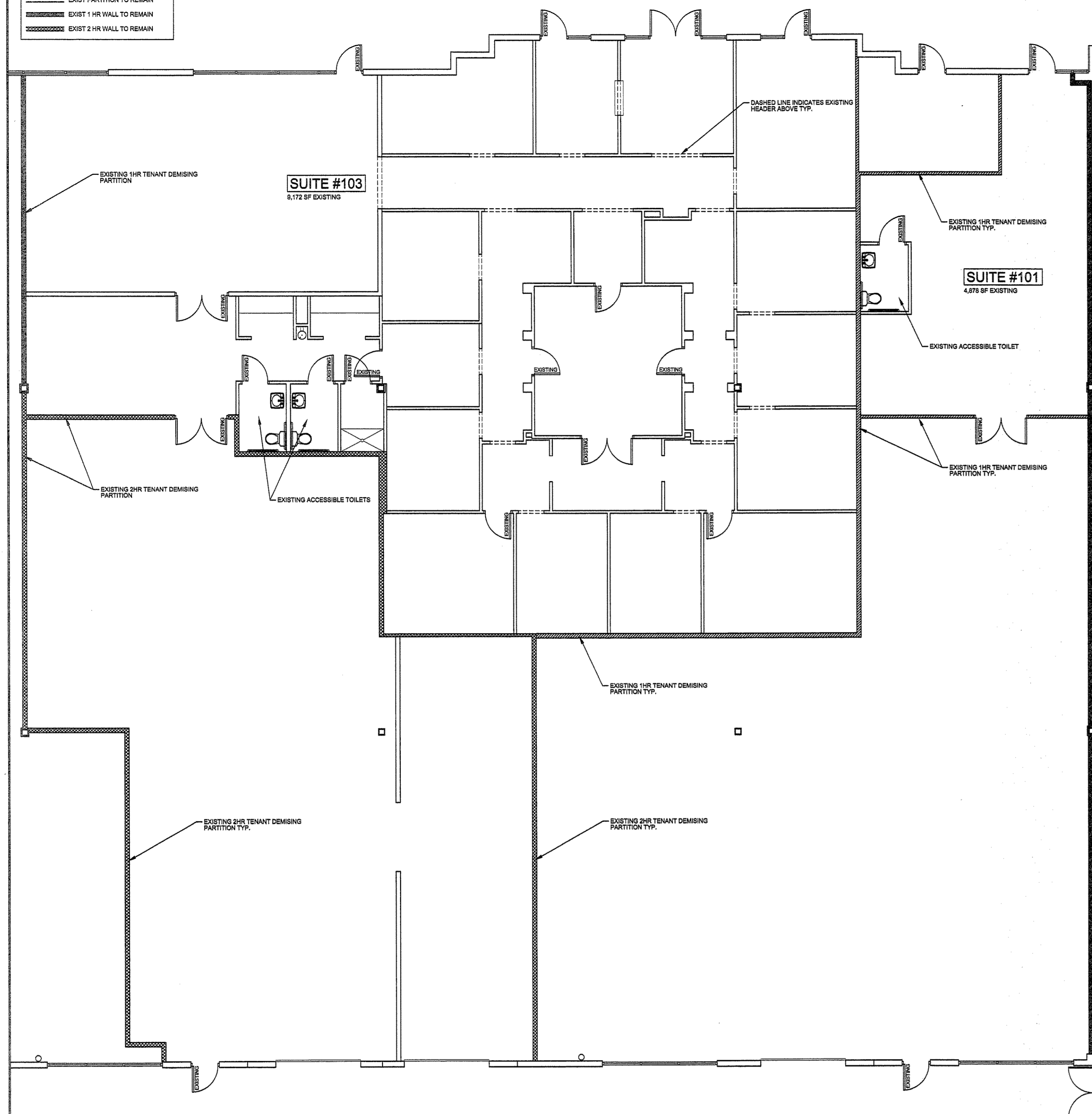


WALL LEGEND	
	EXIST PARTITION TO REMAIN
	EXIST 1 HR WALL TO REMAIN
	EXIST 2 HR WALL TO REMAIN

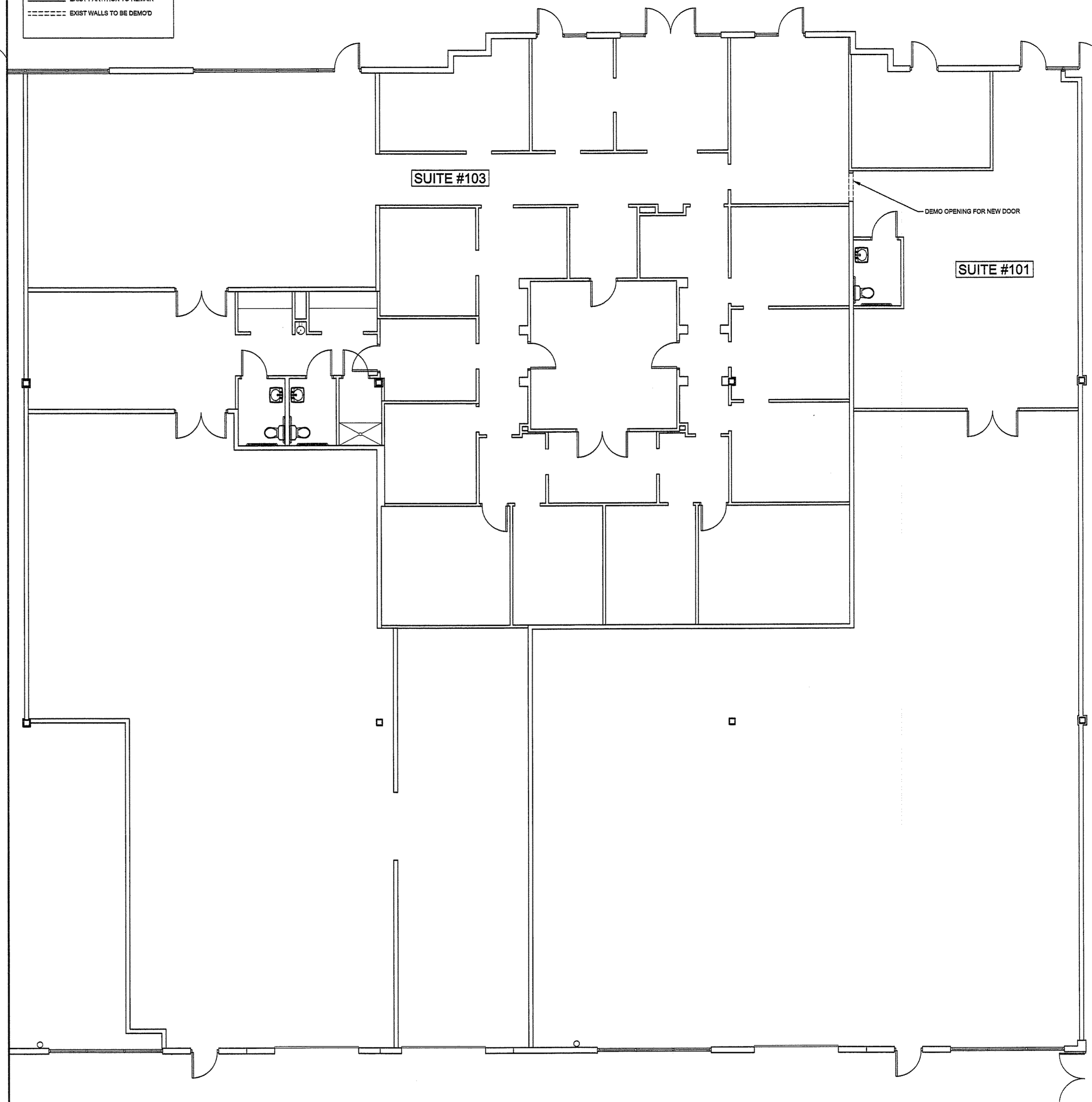


1 EXISTING FLOOR PLAN
1/8" = 1'-0"

1. ALL WALLS/DOORS ARE EXISTING AS PER EXISTING FLOOR PLAN 1/A-1
2. ALL TOILET ROOM FIXTURES ARE EXISTING AS PER EXISTING FLOOR PLAN 1/A-1
3. ALL TENANT DEMISING PARTITIONS ARE EXISTING AS PER FLOOR PLAN 1/A-1

2 EXISTING NOTES
1/8" = 1'-0"

WALL LEGEND	
	EXIST PARTITION TO REMAIN
	EXIST WALLS TO BE DEMO'D



3 DEMO PLAN
1/8" = 1'-0"

1. DEMO NEW OPENING BETWEEN SUITE #101 AND #103 AS PER DEMO PLAN 3/A-1
- * STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL COMPLY WITH NFPA 241
 - * ACCUMULATIONS OF COMBUSTIBLE WASTE AND DUST DEBRIS SHALL BE REMOVED FROM THE STRUCTURE AND ITS IMMEDIATE VICINITY AT THE END OF THE SHIFT OR MORE FREQUENTLY AS NECESSARY FOR SAFE OPERATIONS
 - * EXIT AND ACCESS CORRIDORS ARE TO BE MAINTAINED AND REMAIN CLEAR AND UNOBSTRUCTED
 - * THE MAIN BUILDINGS FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED AND OPERATIONAL AT ALL TIMES

4 DEMO NOTES
1/8" = 1'-0"

Bd

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ALLEN S. BIRSE
AR94279

Allen S. Birse
APR 28 2009

LANDFALL IMPROVEMENT
2400 CENTREPARK WEST ROAD
SUITE # 103
WEST PALM BEACH, FL 33401
PROJECT NUMBER 2401

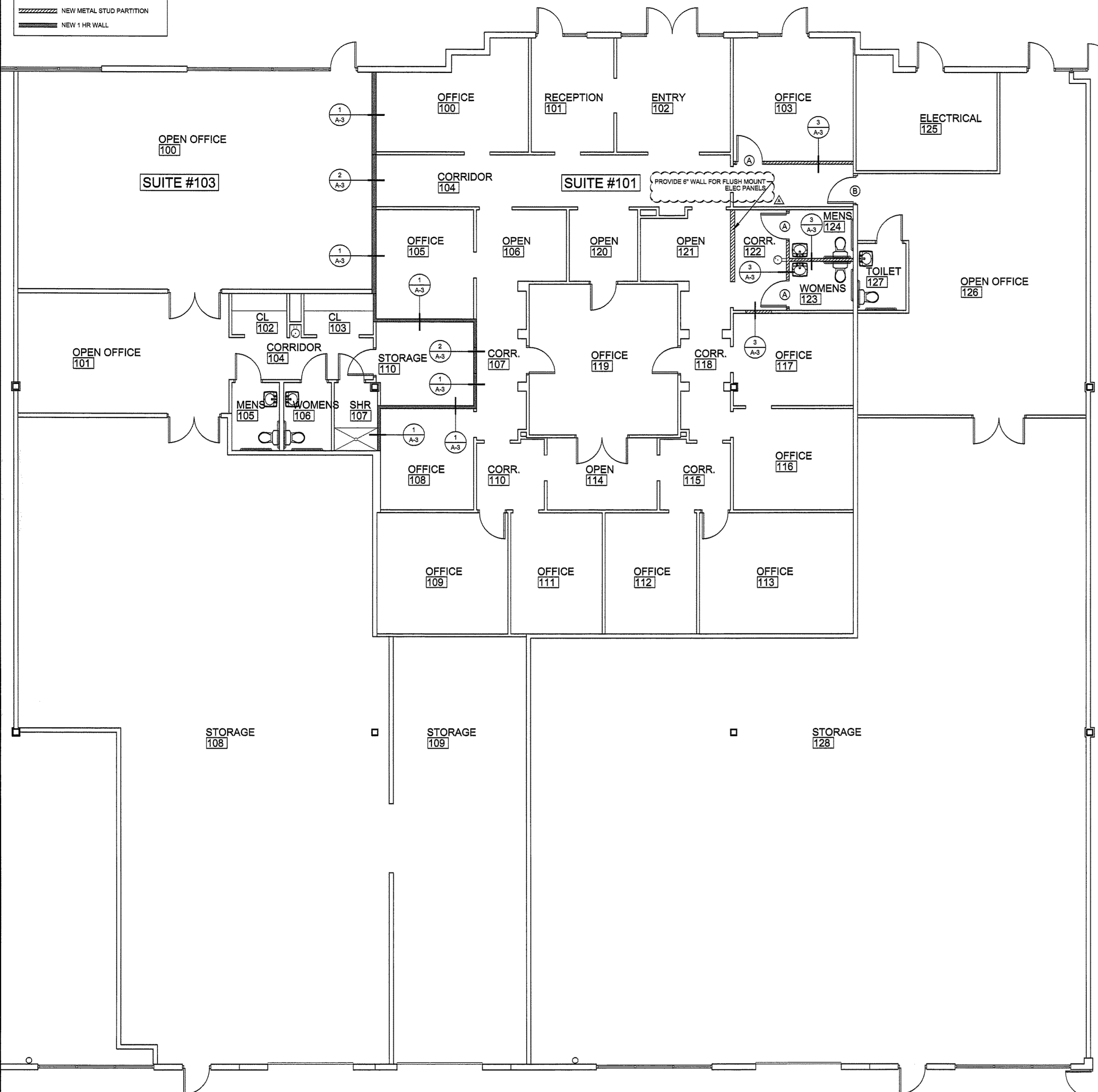
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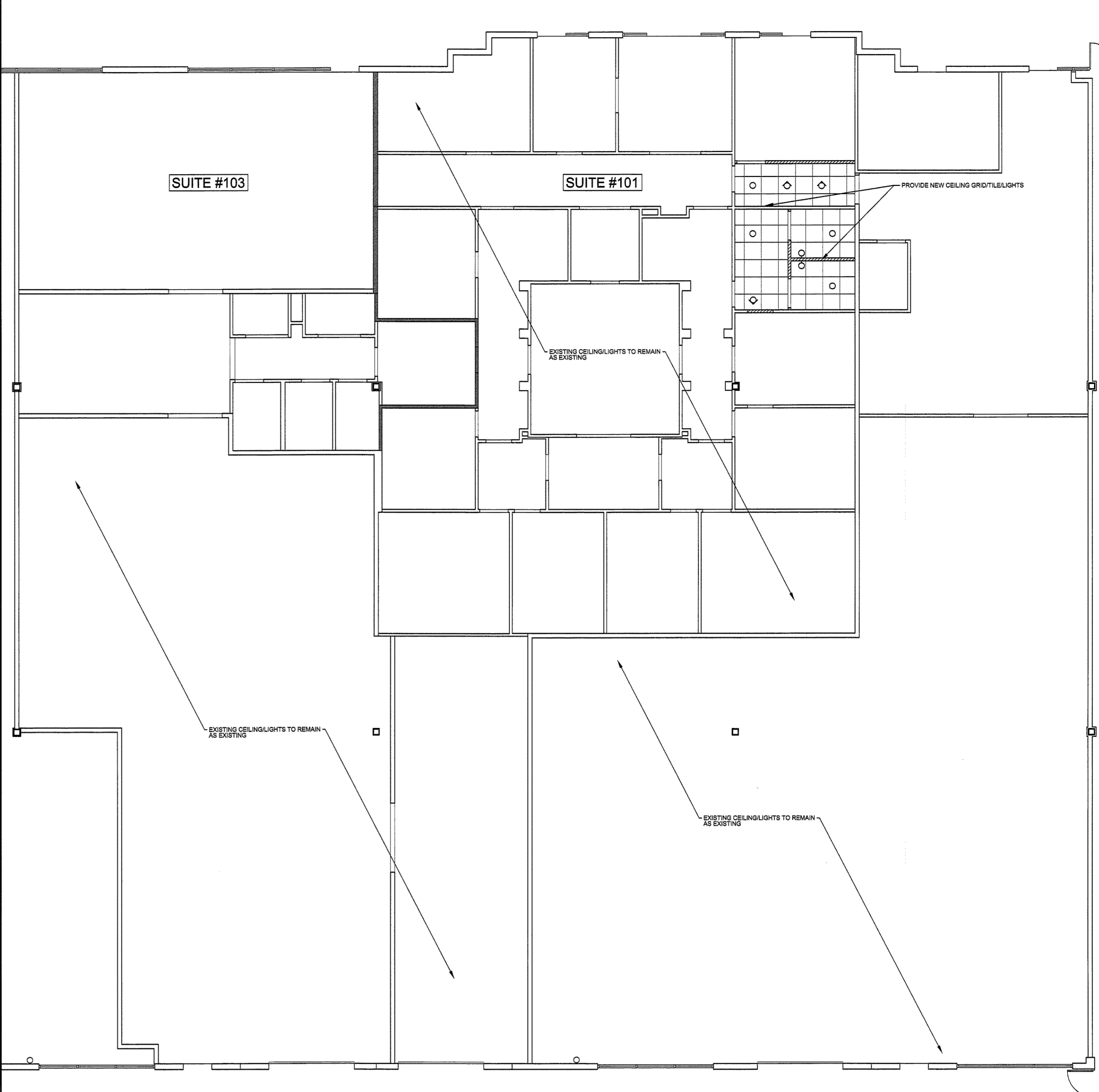
WALL LEGEND	
	EXIST PARTITION TO REMAIN
	NEW METAL STUD PARTITION
	NEW 1 HR WALL



1 PROPOSED FLOOR PLAN
1/8" = 1'-0"

1. PROVIDE NEW PARTITIONS AS INDICATED IN 1/A-2
2. PROVIDE NEW DOORS AS INDICATED IN 1/A-2
3. ALL NEW DOORS AND HARDWARE TO MATCH EXISTING
4. PROVIDE NEW ACCESSIBLE TOILET ROOMS AS INDICATED IN 1/A-2
5. TOILET ROOM WALLS TO BE INSULATED AND EXTEND TO STRUCTURAL DECK ABOVE
6. PROVIDE NEW DRINKING FOUNTAIN AS INDICATED IN 1/A-3
7. ALL NEW WALLS TO BE PAINTED. PAINT T.B.D.

2 PROPOSED NOTES
1/8" = 1'-0"



3 PROPOSED CEILING PLAN
1/8" = 1'-0"

1. PROVIDE NEW LIGHTS AS INDICATED IN 3/A-2
2. NEW CEILING TILES/GRID TO MATCH EXISTING
3. NEW CEILING HEIGHTS TO MATCH EXISTING

4 CEILING NOTES
1/8" = 1'-0"

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ALLEN S BIRSE
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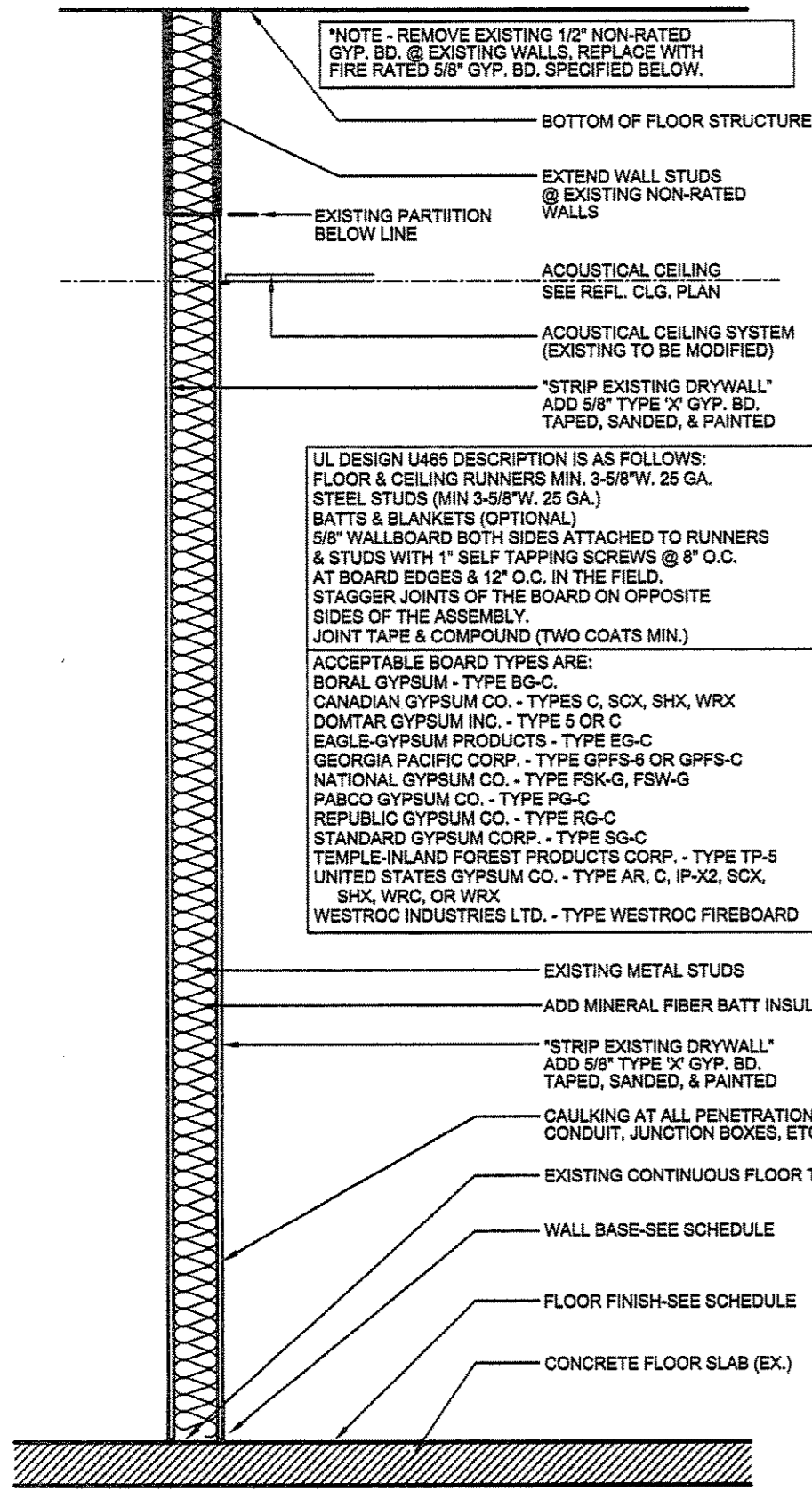
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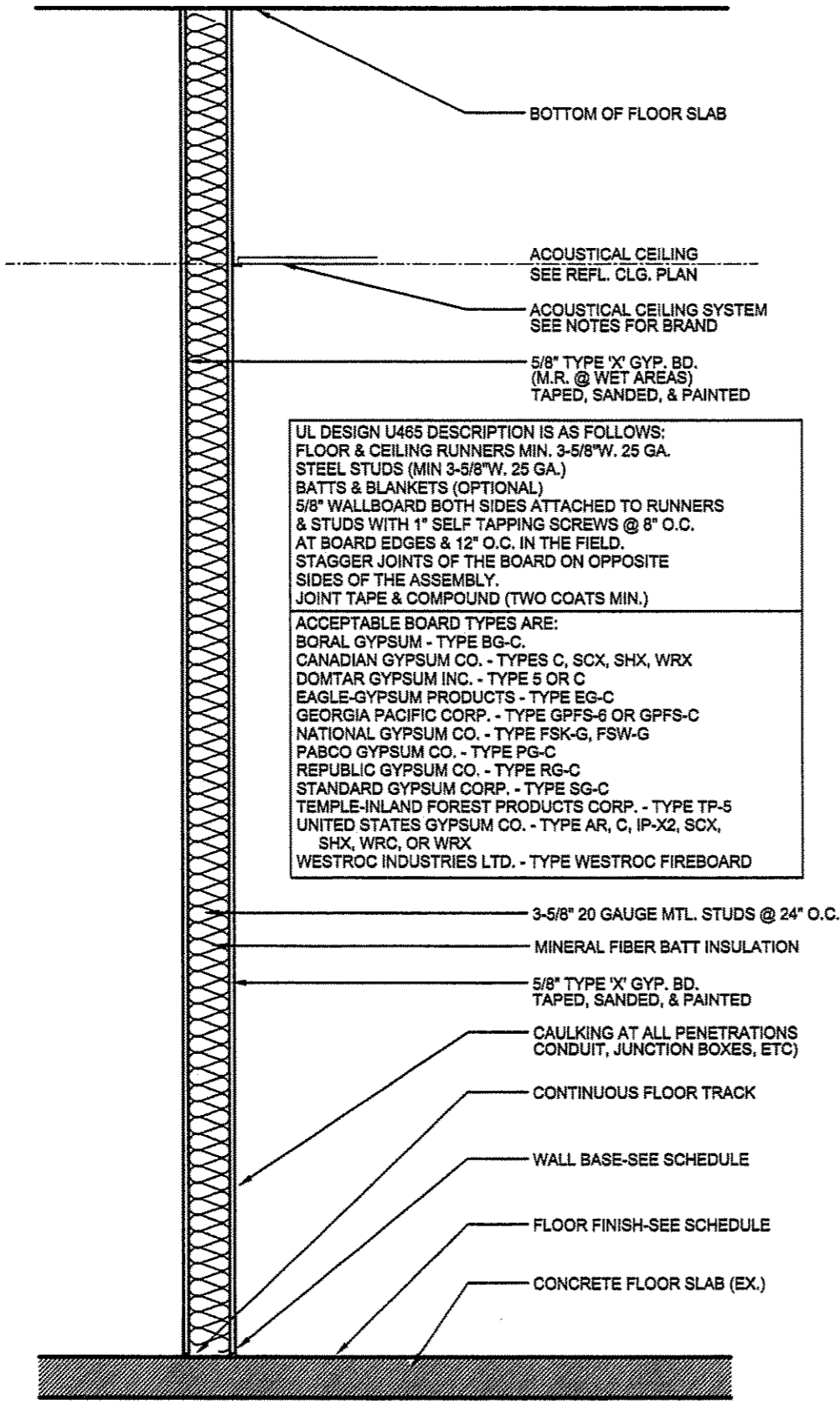
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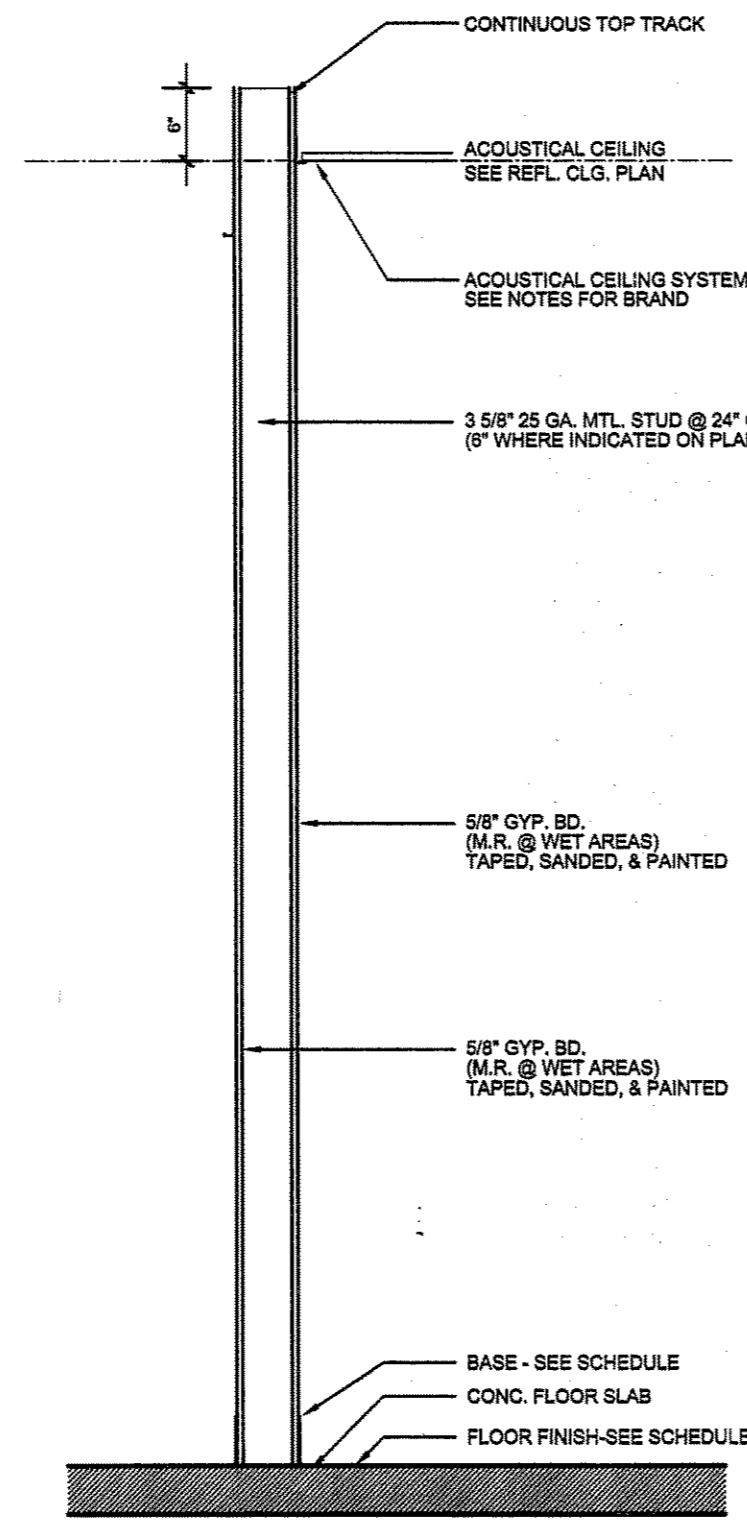
UL DESIGN U465 (1HR)

1 WALL TYPE (DEMISING)
3/4" = 1'-0"

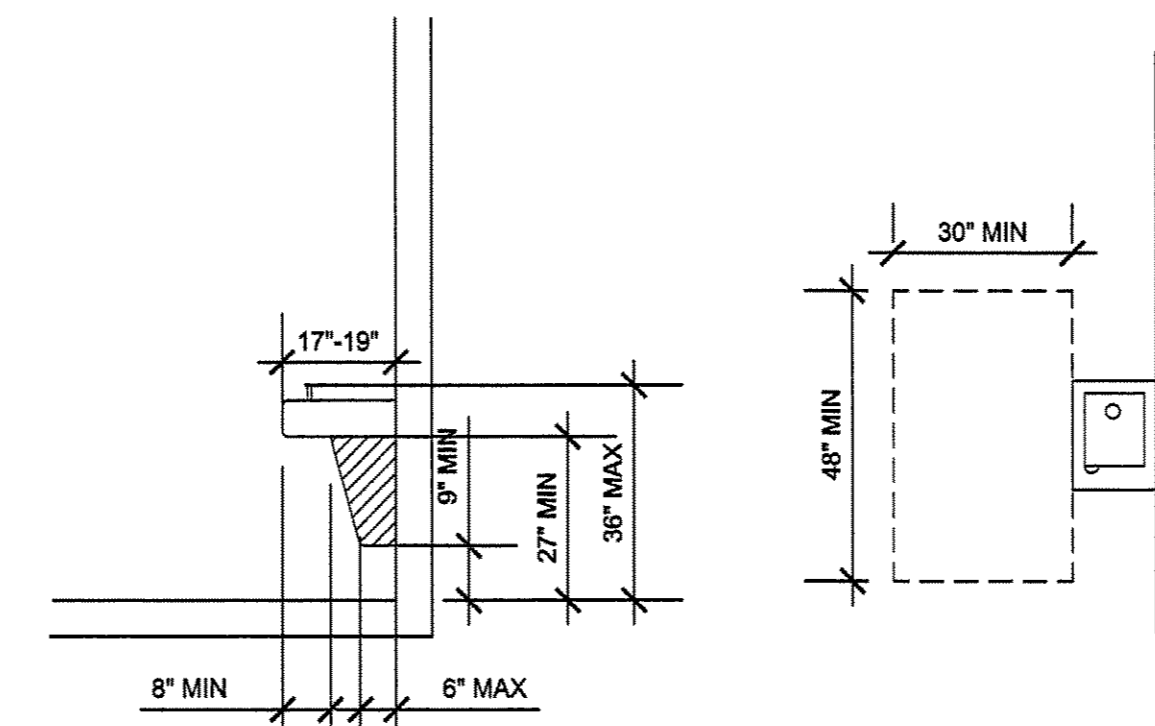


UL DESIGN U465 (1HR)

2 WALL TYPE (DEMISING)
3/4" = 1'-0"

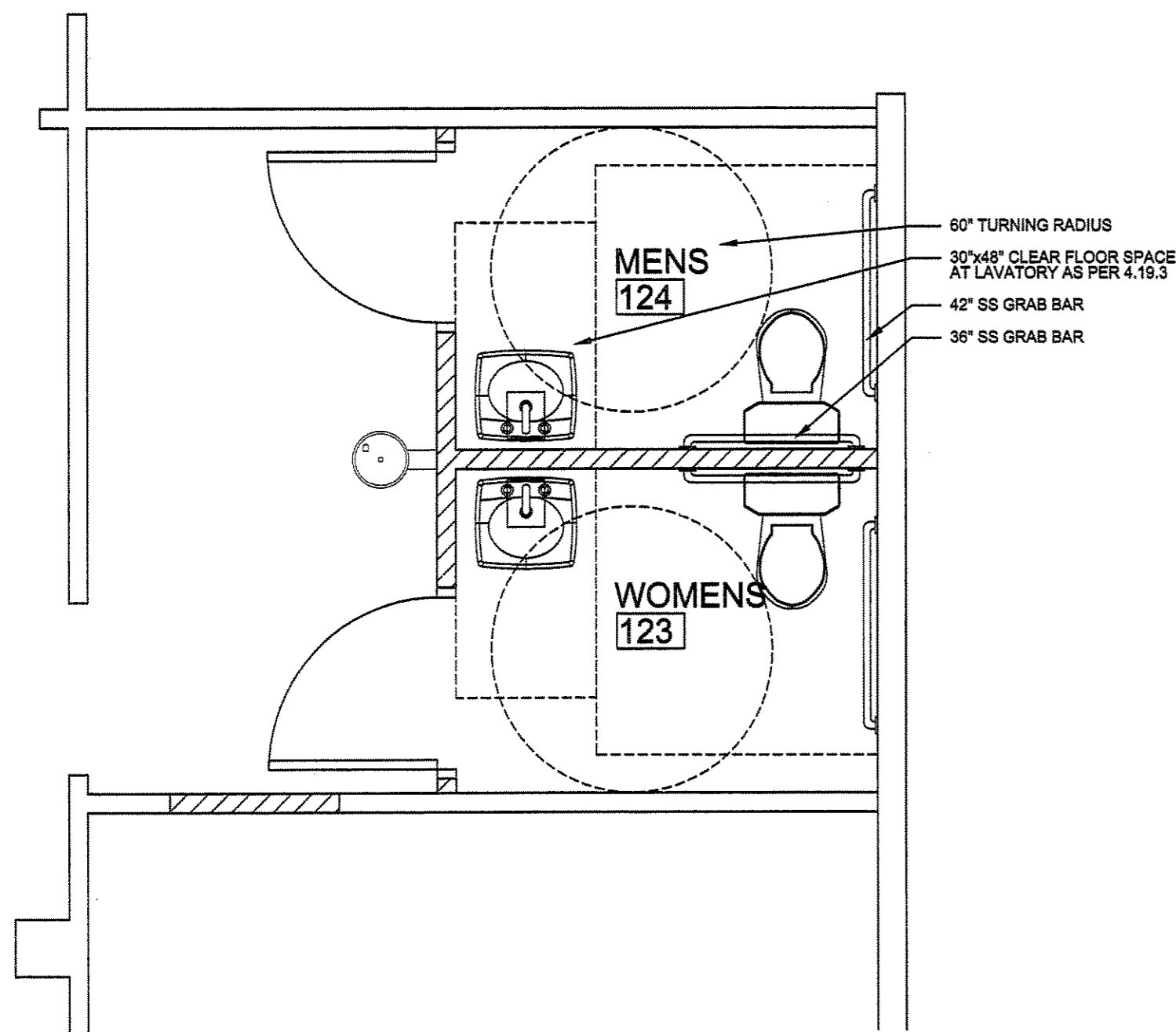


3 WALL TYPE (INTERIOR)
3/4" = 1'-0"

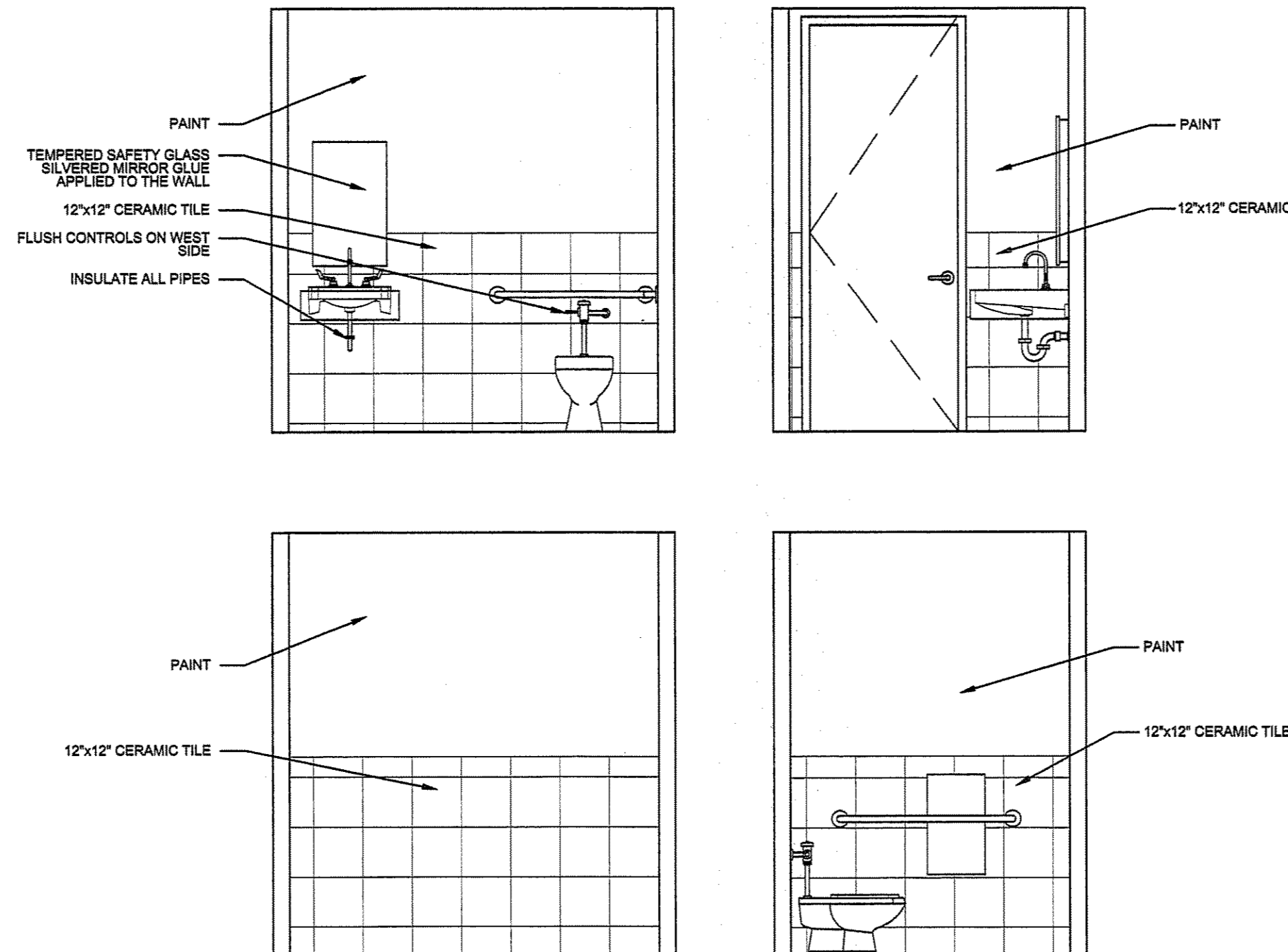


- * SPOUTS SHALL BE NO HIGHER THEN 36 INCHES, MEASURED FROM THE FLOOR OR GROUND SURFACES TO THE SPOUT OUTLET.
- * THE SPOUTS OF DRINKING FOUNTAINS AND WATER COOLERS SHALL BE AT THE FRONT OF THE UNIT. THE SPOUT SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A WATER FLOW AT LEAST 4 INCHES HIGH SO AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. ON AN ACCESSIBLE DRINKING FOUNTAIN WITH A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3 INCHES OF THE FRONT EDGE OF THE FOUNTAIN.
- * CUP DISPENSER TO BE PROVIDED ADJACENT TO DRINKING FOUNTAIN

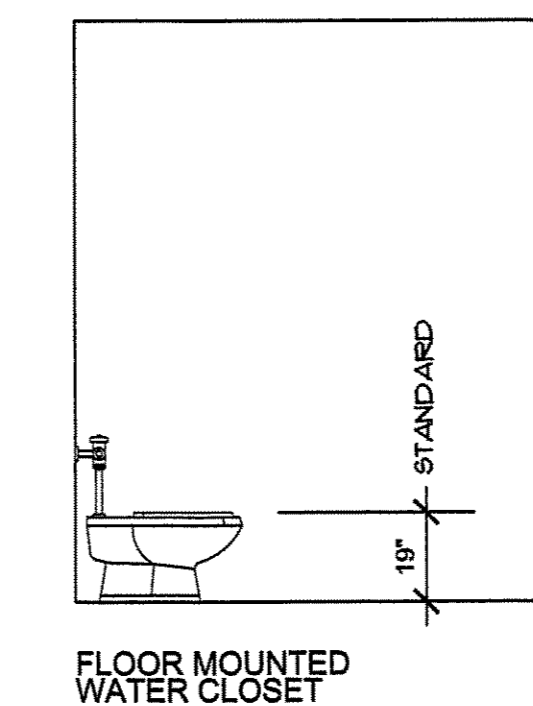
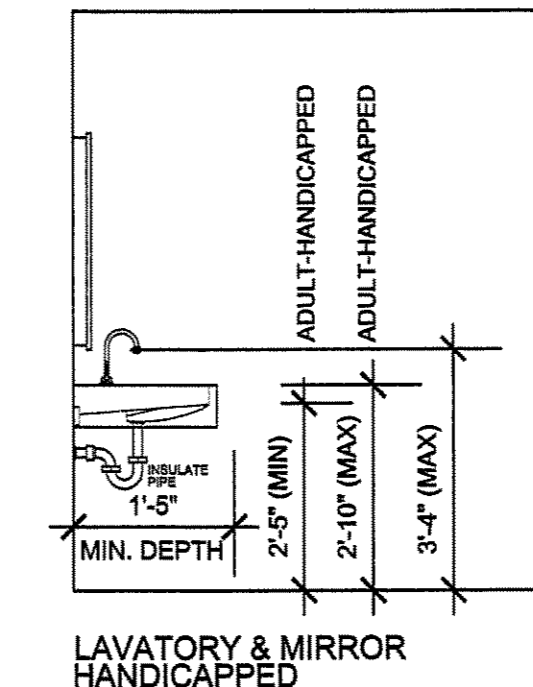
4 DRINKING FOUNTAIN
3/8" = 1'-0"



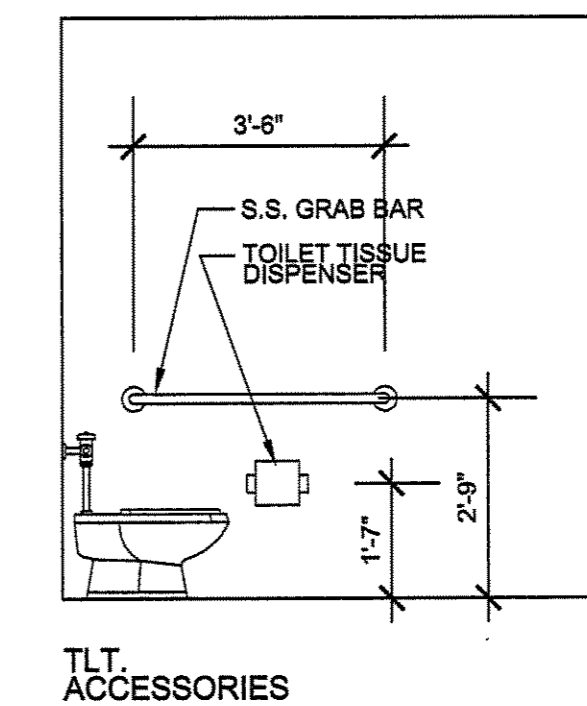
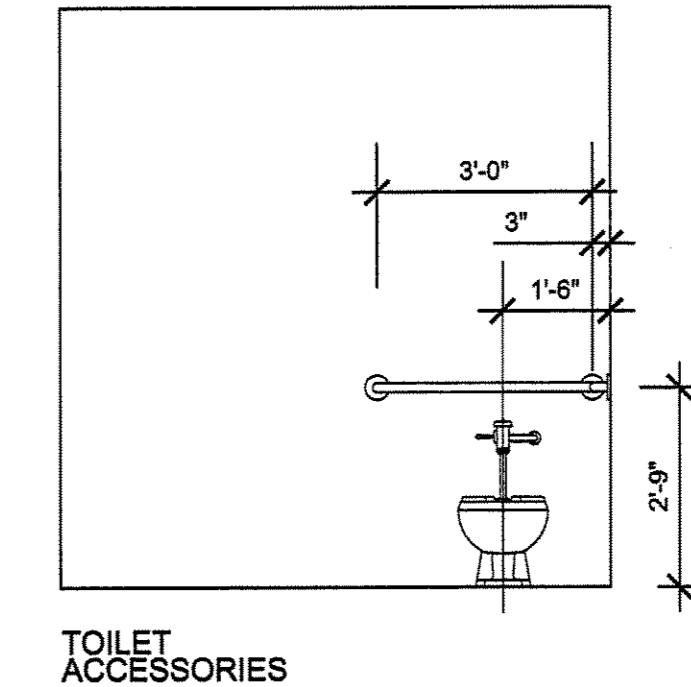
5 TOILET ROOM PLAN
3/8" = 1'-0"



6 TOILET ROOM TYP. ELEV.
3/8" = 1'-0"



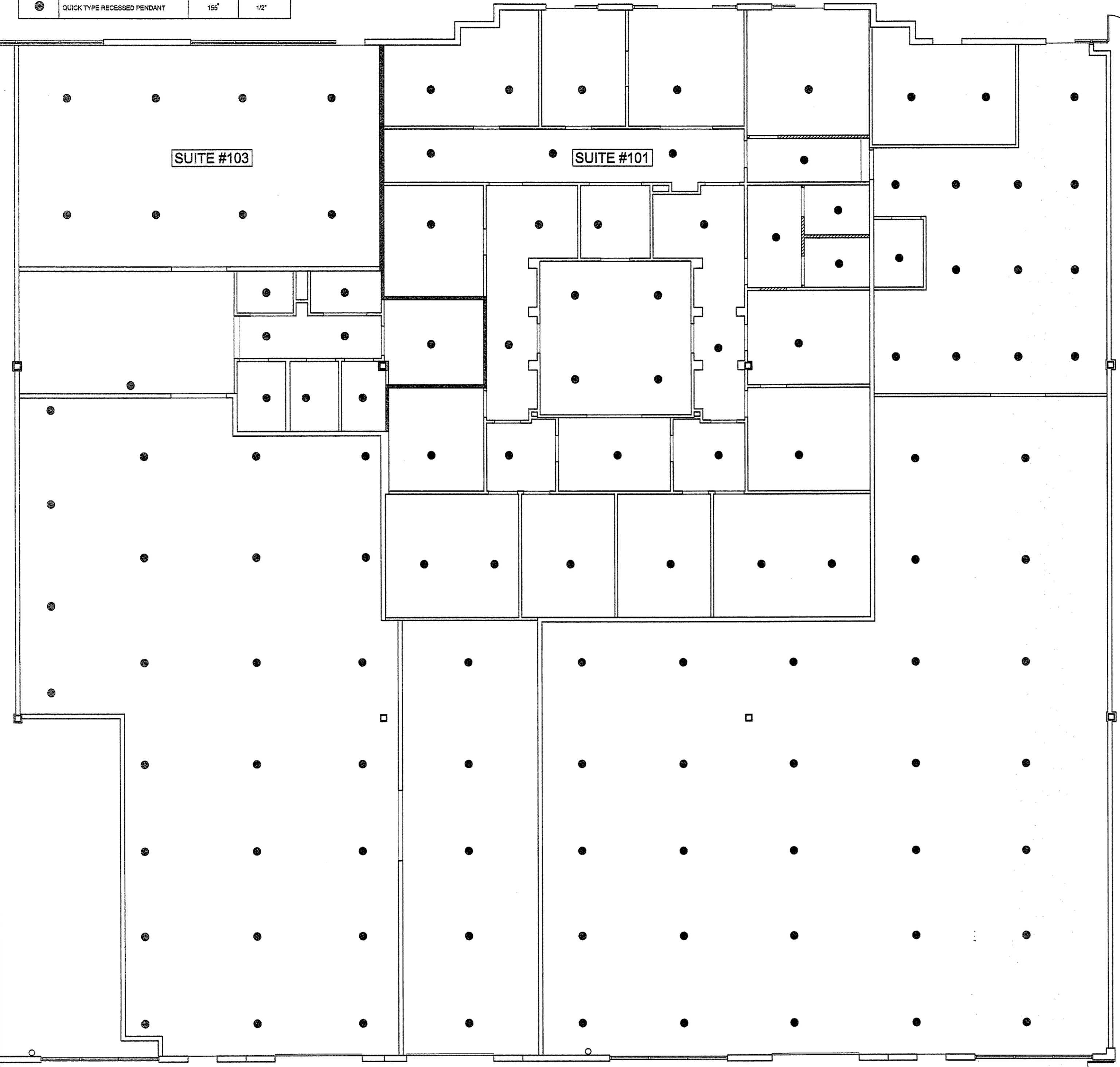
7 MOUNTING HEIGHTS
3/8" = 1'-0"



REVISIONS

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SPRINKLER HEAD			
SYMBOL	TYPE	TEMP	SIZE
●	QUICK TYPE RECESSED PENDANT	150°	1/2"



1 FIRE PROTECTION PLAN
1/8" = 1'-0"

* FIRE SPRINKLER SHOP DRAWINGS ARE TO BE SUBMITTED UNDER A SEPARATE FIRE SPRINKLER PERMIT
* COMPLY WITH NFPA 13 2002 EDITION

2 FIRE PROTECTION NOTES

Bd

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Allen S. Birse
APR 23 2009

LANDFALL IMPROVEMENT
2400 CENTREPARK WEST ROAD
SUITE #103
WEST PALM BEACH, FL 33401
PROJECT NUMBER 2401

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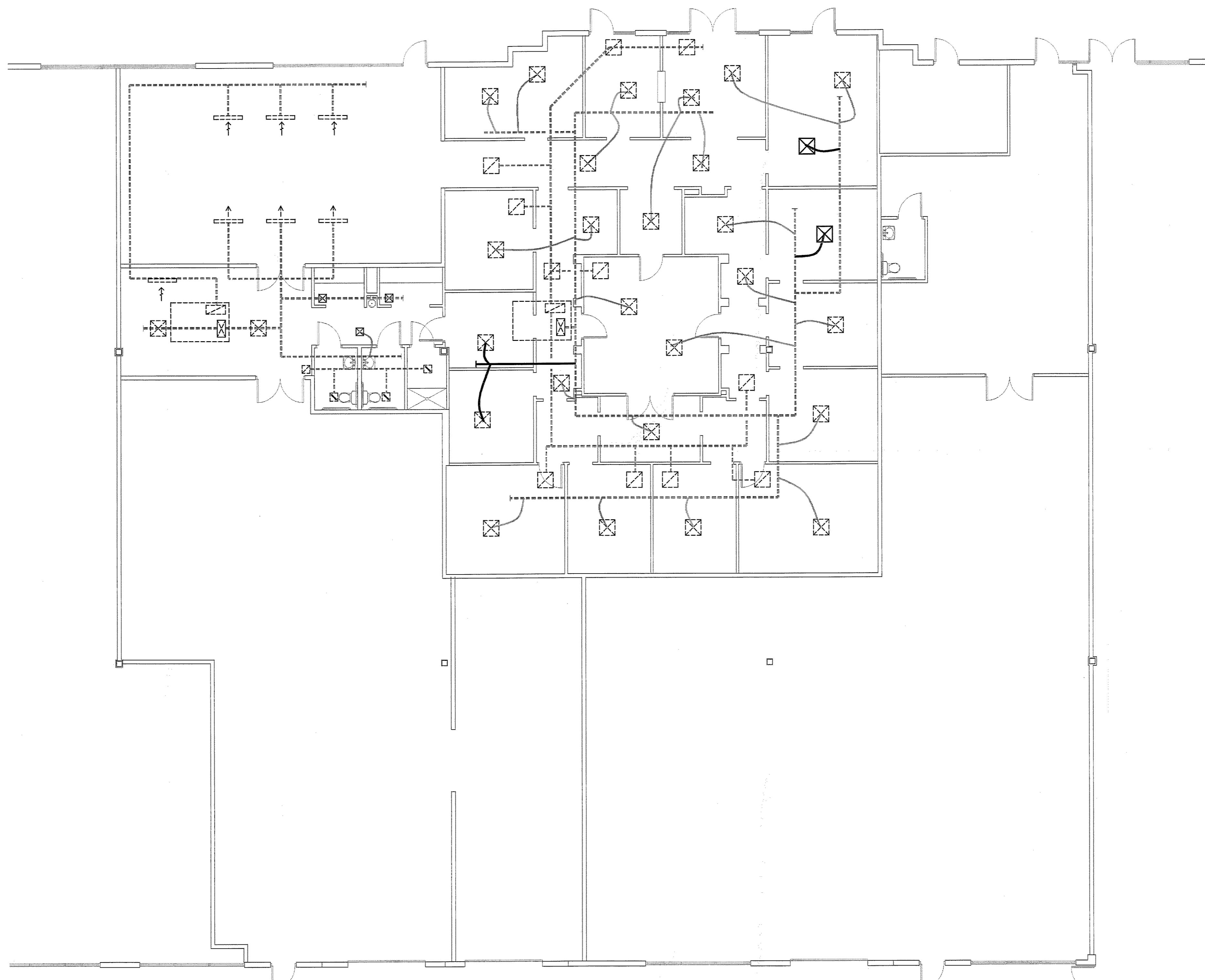
FP-1

GENERAL DEMOLITION NOTES

- UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND DUCTWORK IN THE PROJECT AREA WHICH IS NOT INDICATED TO REMAIN, IS TO BE REMOVED. THE CONTRACTOR SHALL INVESTIGATE THE PROJECT AREA PRIOR TO BID TO DETERMINE ALL REQUIRED DEMOLITION.
- EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.
- DEMOLITION WORK IS NOT SPECIFICALLY IDENTIFIED ON THESE PLANS, AND MAY BE DESCRIBED ON THE ARCHITECTS PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.
- ALL MECHANICAL SYSTEMS SERVING OTHER SPACES OR FLOORS, THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION, SO AS NOT TO CAUSE ANY DISRUPTION TO THESE OTHER SPACES.
- ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION.
- PROPERLY REMOVE AND DISPOSE OF ALL HVAC DUCTWORK AND AIR DISTRIBUTION DEVICES WHICH ARE TO BE REMOVED. CONSULT WITH OWNER AND OBTAIN THE OWNER'S APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL PIPING AND DUCTS, NEW OR EXISTING, WITHIN THE PROJECT AREA, ARE PROPERLY SUPPORTED.
- SUITE 103 IS TO REMAIN OPERATIONAL DURING BUSINESS HOURS THROUGHOUT THE DEMOLITION AND CONSTRUCTION PERIOD. COORDINATE ALL WORK AS DESCRIBED IN THE ARCHITECTS DOCUMENTS.

MECHANICAL GENERAL NOTES:

- THESE DRAWINGS ARE DIAGRAMMATIC. ALL OFFSETS, FITTINGS, TRANSITIONS AND ACCESSORIES ARE NOT SHOWN. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL ITEMS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. DO NOT SCALE DRAWINGS FOR INSTALLATION.
- ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER BY LICENSED CONTRACTORS.
- THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL NECESSARY FEES PERMITS, AND TESTS.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. NO CONTRACTOR SHALL BID UNLESS FAMILIAR WITH THESE CODES.
- CORRECTION OF DEFECTS TO THIS WORK SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER. REPAIR AND REPLACEMENT FOR DAMAGE CAUSED BY THIS CONTRACTOR SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER.
- ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS OF CONSTRUCTION.
- THE CONTRACTOR SHALL INCLUDE THE WORK OF ALL REQUIRED SUB-CONTRACTORS, SUCH AS ELECTRICAL, INSULATING, TEST & BALANCE, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- EQUIPMENT SHALL BEAR A U.L. OR OTHER RECOGNIZED LABEL, NAMEPLATES, WIRING DIAGRAMS, AND ENERGY RATINGS AS APPLICABLE.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ACCESSORIES TO BE READILY ACCESSIBLE FOR SERVICING, TESTING, BALANCING, AND REPLACEMENT.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE AGAINST DEFECTS IN ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM ACCEPTANCE, WITH FOUR ADDITIONAL YEARS OF WARRANTY ON COMPRESSORS.
- THE CONTRACTOR SHALL PROVIDE THREE COPIES OF SUBMITTAL DATA, SHOP DRAWINGS, AND AT COMPLETION OF THE PROJECT TWO SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL PROJECT ITEMS.
- PROVIDE ALL CONTROLS, STARTERS, CONTROL WIRING, DISCONNECTS, AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- THE HVAC CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, ON SITE, A DETAILED AS-BUILT PLAN SHOWING ACTUAL INSTALLATIONS. THE CONTRACTOR IS TO PROVIDE A NEATLY DRAWN COMPREHENSIVE AS-BUILT SET OF PLANS UPON COMPLETION, WHICH ARE SUITABLE FOR SUBMISSION TO THE BUILDING DEPARTMENT AND TO THE OWNER.
- PRIOR TO ACCEPTANCE BY THE OWNER THE SYSTEMS SHALL BE TESTED AND BALANCED BY AN INDEPENDENT NEBB CERTIFIED T&B CONTRACTOR EXPERIENCED WITH THIS SYSTEM, AND CERTIFIED T&B REPORTS SUBMITTED.
- SUPPLY AND INSTALL DUCT MOUNTED SMOKE DETECTORS AS REQUIRED.
- COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
- ALL GRILLES TO BE TITUS OR METALLAIRE UNLESS OTHERWISE NOTED, SIZES AS SHOWN ON PLANS, ALUMINUM CONSTRUCTION.
- ALL DUCT WORK SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS AND LOCAL BUILDING CODES.
- ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
- ALL OUTSIDE AIR DUCTWORK SHALL BE SHEETMETAL WITH EXTERIOR R-6 INSULATION. PROVIDE BLANKET TYPE INSULATION IN CONCEALED SPACES, AND BOARD TYPE IN EXPOSED AREAS.
- ALL EXHAUST AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
- FLEXIBLE DUCT, WHERE SHOWN, SHALL BE U.L. CLASS 1, R-6 INSULATION.
- LOW PRESSURE SUPPLY AND RETURN DUCTWORK IS RIGID DUCTBOARD WITH VAPOR BARRIER, 1 IN. THICK, R-4.2 INSULATION, EXCEPT AS NOTED.
- PROVIDE ELBOW TURNING VANES IN ALL RECTANGULAR DUCTS WHERE TURNS ARE GREATER THAN 45 DEGREES.
- PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS.
- VERIFY ALL THERMOSTAT LOCATIONS WITH THE ARCHITECT.



EXISTING HVAC FLOOR PLAN

SCALE: 1/8" = 1'-0"

Bd

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Ronald D. Gillman
APR 23 2009

LANDFALL IMPROVEMENT

2400 CENTREPARK WEST ROAD
SUITE #103
WEST PALM BEACH, FL 33401

PROJECT NUMBER 2401

REVISIONS

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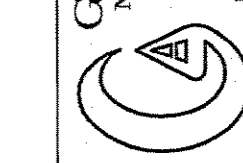
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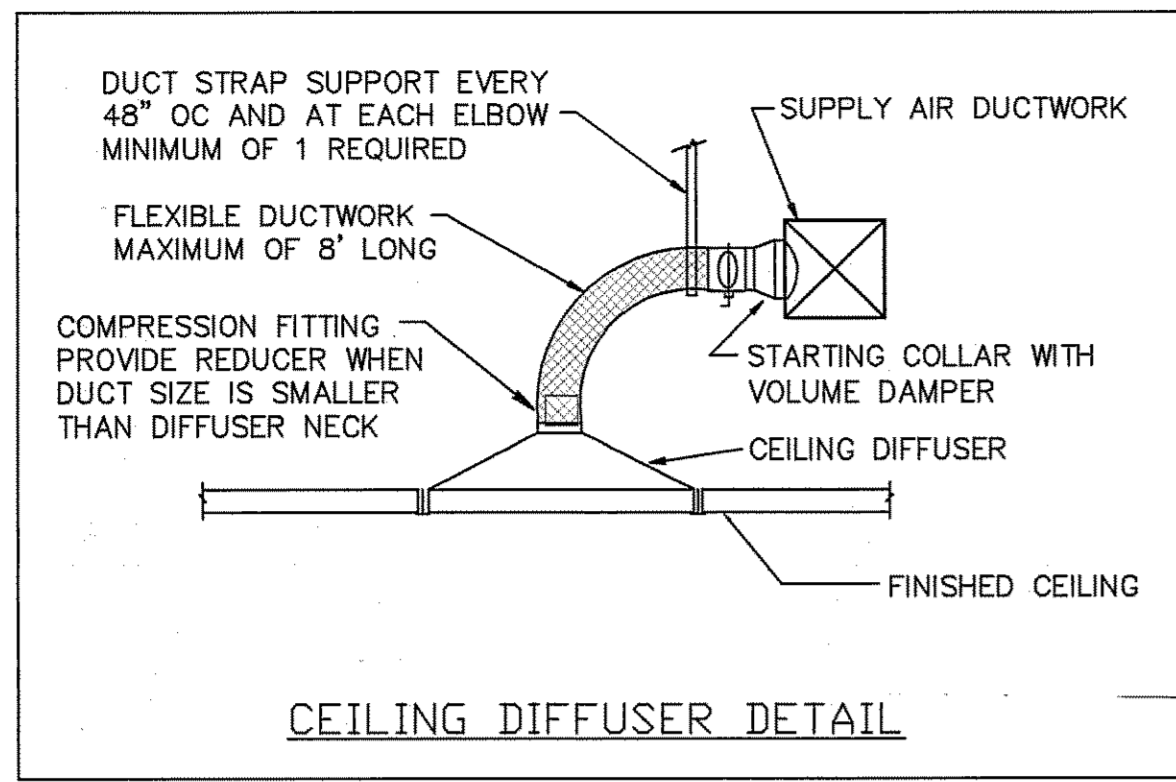
Gillman & Associates, Inc.
MECHANICAL & ELECTRICAL ENGINEERS
129 N. FEDERAL HIGHWAY SUITE 202
Lake Worth, FL 33460 CA# 0059075
RONALD D. GILLMAN P.E. #97555

DRAWN BY GDR

CD

04/22/09





FAN SCHEDULE

MARK	EF #1 & 2
TYPE	CEILING CAB.
SERVICE	BATHROOMS
MANUFACTURER	GREENHECK
MODEL NO.	SP-A110
CFM	75
S.P.	0.25
HP	49 WATTS
VOLT-PH-HZ	120-1-60
DRIVE	D
MOTOR R.P.M.	-
FAN R.P.M.	950
WEIGHT (LBS)	9
SDNES	1.5
WALL OPENING	-
ACCESSORIES	1,2

NOTES

① PROVIDE SPEED CONTROLLER, UNIT MOUNTED.

② PROVIDE WALL SWITCH FOR CONTROL.

ABBREVIATIONS

CFM	- CUBIC FEET PER MINUTE.
E/A	- EXHAUST AIR.
S/A	- SUPPLY AIR.
R/A	- RETURN AIR.
MVD	- MANUAL VOLUME DAMPER
RTU	- ROOFTOP A/C UNIT
E	- EXISTING
R	- RELOCATED

LEGEND

- EXISTING EQUIPMENT TO REMAIN
- ⊗ SUPPLY AIR DIFFUSER AS NOTED
- ⊠ RETURN/TRANSFER AIR GRILLE AS NOTED
- ⊞ EXISTING SUPPLY AIR DIFFUSER
- ⊡ EXISTING EXHAUST/RETURN GRILLE
- DUCTWORK AS NOTED
- EXISTING DUCTWORK TO REMAIN
- ▲ TYPE B FIRE DAMPER W/ACCESS DOOR.
- MANUAL VOLUME DAMPER
- ⊕ PROGRAMMABLE THERMOSTAT
- ⤵ FLEXIBLE DUCT, U.L. CLASS 1
- ➔ DUCT TRANSITION
- ⊣ FLEXIBLE DUCT TAKE-OFF WITH MVD
- ⊙ CONNECTION TO EXISTING

HVAC PROJECT SPECIFIC NOTES

CONTRACTOR IS TO INSPECT ALL EXISTING DUCTWORK SHOWN ON THESE PLANS AS REMAINING. REPAIR AS REQUIRED ANY DAMAGED DUCTWORK OR INSULATION. WHERE DUCTWORK IS SHOWN TO BE PARTIALLY REMOVED, CAP, SEAL, AND INSULATE TO MATCH EXISTING METHODS AND MATERIALS.

EXISTING VAV UNITS WHICH ARE REMAINING ARE TO BE INSPECTED, ADJUSTED AND REPAIRED WHERE NECESSARY. VERIFY WITH THE BUILDING'S BMS PROVIDER (HULL) IF ANY ADDITIONAL EQUIPMENT, WIRING OR OTHER PROVISIONS ARE REQUIRED, PRIOR TO BID.

AIR DISTRIBUTION SCHEDULE

MARK	MAKE	MODEL	SIZE	NECK	MATERIAL	BORDER TYPE	MOUNTING TYPE	DAMPER	THROW	FINISH
A	TITUS	TDC-AA	24X24	6"φ	ALUMINUM	3	LAY-IN	AG-100	4 WAY	WHITE
RA	TITUS	3FL	-	14X14	ALUMINUM	3	LAY-IN	-	-	WHITE

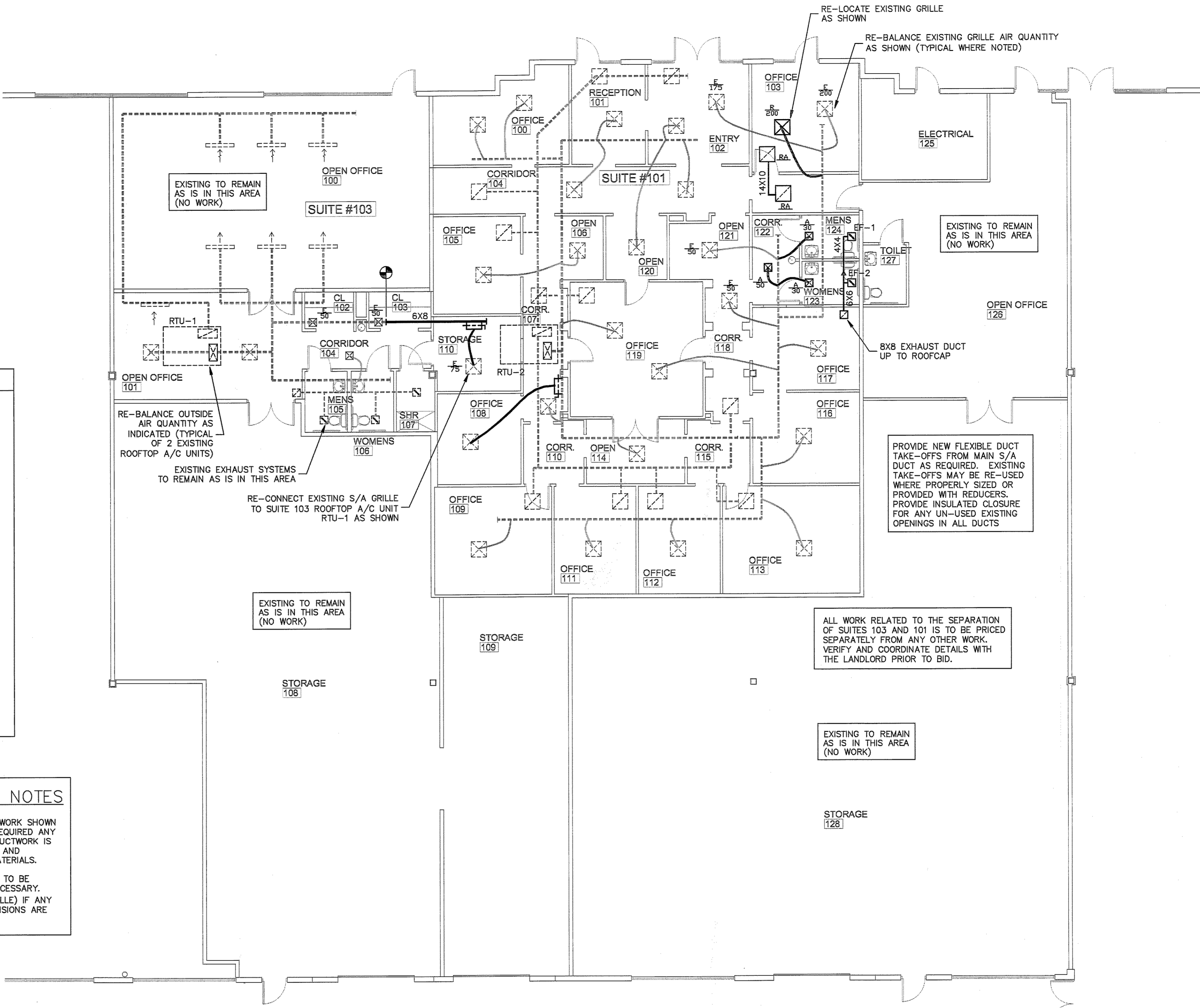
FOR ROUND NECK GRILLES, PROVIDE ROUND FLEXIBLE DUCT TO MATCH GRILLE NECK, UNLESS SHOWN OTHERWISE. PROVIDE INTEGRAL VOLUME DAMPERS WHERE SHOWN ON PLAN OR WHERE DAMPER IN S/A DUCTWORK IS NOT ACCESSIBLE ABOVE CEILING. FIELD VERIFY AND MATCH EXISTING GRILLES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ORDERING ANY EQUIPMENT. PROVIDE SURFACE MOUNT GRILLES WHERE REQUIRED DUE TO FIELD CONDITIONS.

VENTILATION CALCULATIONS

MARK	RTU-1			RTU-2		
	OFFICE	CORRIDOR	STORAGE	OFFICE	CORRIDOR	RECEPTION
SQUARE FEET OF AREA	1430	90	12	2560	890	190
CFM/SQ.FT. REQUIRED	0.06	0.06	0.12	0.06	0.06	0.12
TOTAL OCCUPANTS	7	-	-	12	-	6
CFM/PERSON REQUIRED	5	-	-	5	-	5
ZONE CFM REQUIRED	107	5	14	214	53	41
TOTAL SYSTEM CFM	308					

NOTES

1. ABOVE CALCULATIONS AND OCCUPANCY RATES PER ASHRAE 62.1, 2004.



PROPOSED HVAC FLOOR PLAN
SCALE: 1/8" = 1'-0"

Bd

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AA28001815

APR 23 2008

LANDFALL IMPROVEMENT

2400 CENTREPARK WEST ROAD
SUITE #103
WEST PALM BEACH, FL 33401
PROJECT NUMBER 2401

REVISIONS

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04/22/09

M-2

PROJ.# 09-016
Gillman & Associates, Inc.
MECHANICAL & ELECTRICAL ENGINEERS
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Lake Worth, FL 33460 C.A.#009078
(561) 582-0210 Fax (561) 582-8212
RONALD D. GILMAN P.E. #37555

PLUMBING SYMBOLS & ABBREVIATIONS

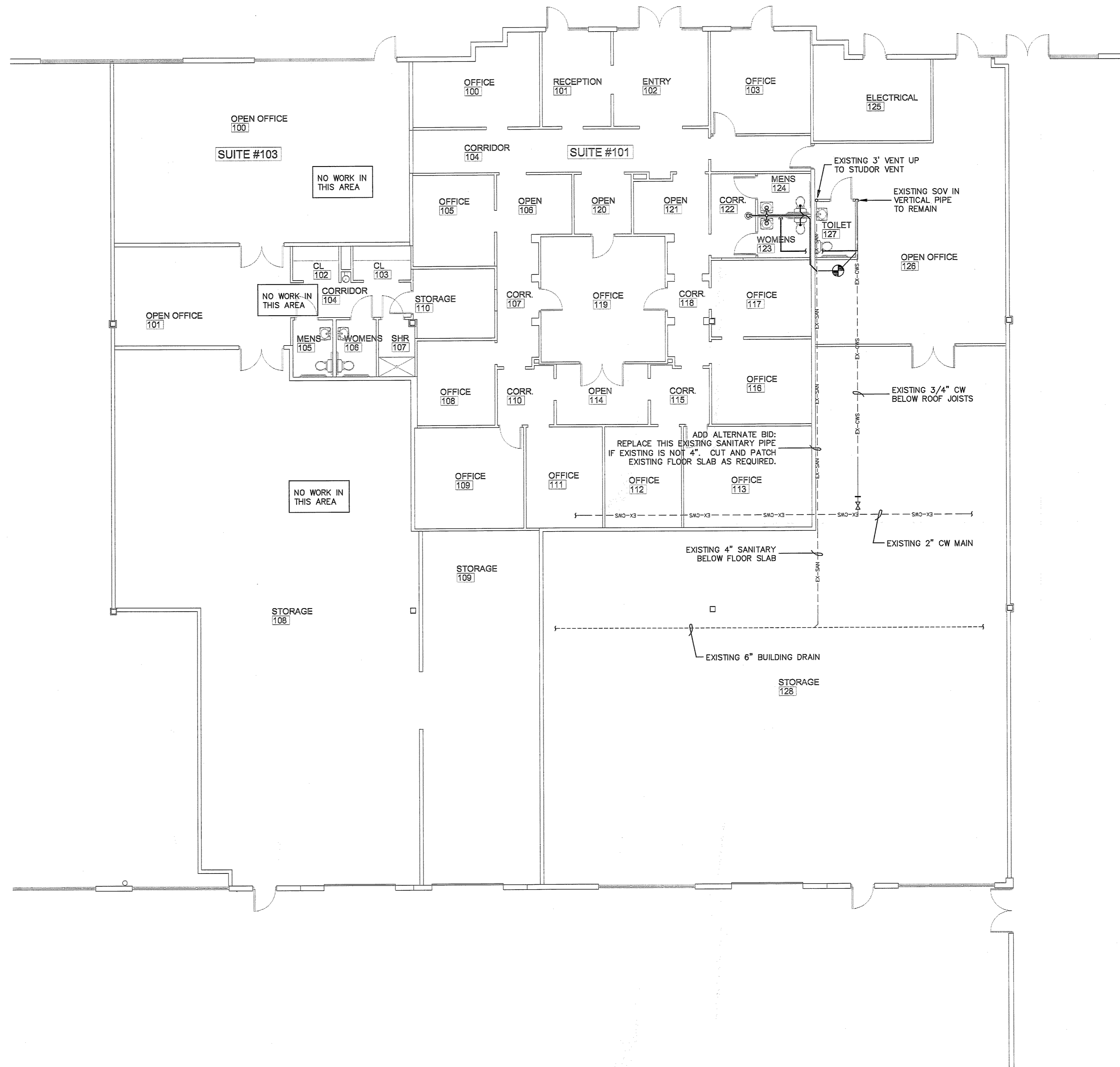
—	HOT WATER PIPE	HV
—	COLD WATER PIPE	CV
—	HOT WATER RECIRCULATING	HWR
—	CHECK VALVE	CV
—	GATE VALVE (SHUT-OFF VALVE)	SDV
—	STORM DRAINAGE PIPE	SD
—	SANITARY LINE	SAN
—	CONDENSATE LINE	CD
—	VENT LINE	
—	PRESSURE RELIEF	P&T
—	DRAIN PAN	DP
+	HOSE BIBB W/ VACUUM BREAKER & SHUT-OFF VALVE	HB
↑	WATER HAMMER ARRESTOR	WHA
	WATER CLOSET	WC
	VENT THRU ROOF	VTR
	LAVATORY	LAV
	JANITOR'S SINK	JS
	FLOOR SINK	FS
	FLOOR DRAIN	FD
	URINAL	UR
	SHOWER	SH
	ELECTRIC WATER COOLER	EWC
	DRINKING FOUNTAIN	DF
	ELECTRIC WATER HEATER	EWH
	ABOVE FINISH FLOOR	AFF
	BELOW FINISH FLOOR	BFF
	HUB DRAIN	HD
	MDP SINK	MS
	FUNNEL FLOOR DRAIN	FFD
	SINK	SK
	CONNECTION TO EXISTING SYSTEMS	

NOTE:
NOT ALL SYMBOLS & ABBREVIATIONS MAY APPLY

PLUMBING FIXTURE SCHEDULE (AMERICAN STANDARD OR EQUAL)

NAME	FIXTURE	MODEL #	ACCESSORIES
WC	WATER CLOSET (TANK TYPE)	CADET # 2216.143 ELONGATED WATER SAVER (1.6 G.P.F.)	CHURCH OPEN FRONT SEAT, SUPPLY PIPE, ANGLE STOP & 2 BOLT CAPS
LAV	WALL HUNG LAVATORY	DECLYN #0321.075	RELIANT #2385.004 FAUCET, 3/8" FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP WITH MCGUIRE 155WC DRAIN AND JOSAM 17100 FLOOR CARRIER, INSULATE DRAIN & SUPPLY PIPES WITH WHITE KIT, TRUEBRO LAVGUARD.
EWC	ELECTRIC WATER COOLER	ELKAY #EZSTLBC	1/2" SUPPLY PIPE, ANGLE STOPS & ADJUSTABLE "P" TRAP

FIXTURE	WATER PIPE SIZE	NOMINAL SAN. SIZE	MAXIMUM FLOW RATES
WATER CLOSET (TANK TYPE)	1/2"	3"	1.6 GPF
LAVATORY	1/2"	1 1/4"	0.5 GPM
WATER COOLER	3/8"	1 1/4"	0.5 GPM



PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

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PROJ.# 09-016
Gilman & Associates, Inc.
MECHANICAL & ELECTRICAL ENGINEERS
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(888) 582-0210 FAX (888) 582-0212
RONALD D. GILMAN P.E. #375935

P-1

ELECTRICAL LEGEND

- LIGHTING FIXTURE IDENTIFICATION
- RECTANGULAR LIGHTING FIXTURE - AS NOTED
- RECTANGULAR LIGHTING FIXTURE - EXISTING AS NOTED
- ROUND LIGHTING FIXTURE
- DIRECTIONAL LIGHTING FIXTURE
- WALL MOUNTED LIGHTING FIXTURE
- LINEAR STRIP LIGHTING FIXTURE
- EXIT LIGHT WITH EMERGENCY BATTERY BACKUP
- EMERGENCY LIGHTING FIXTURE WITH BATTERY BACKUP
- RECTANGULAR LIGHTING FIXTURE ON EMERGENCY POWER CIRCUIT
- ROUND LIGHTING FIXTURE ON EMERGENCY POWER CIRCUIT
- DUPLEX RECEPT - 20 AMP (18' A.F.F.)
- SINGLE RECEPT - 20 AMP (18' A.F.F.)
- DUPLEX RECEPT MOUNTED ABOVE COUNTER - 20 AMP (42' A.F.F.)
- DUPLEX RECEPT FLUSH FLOOR MOUNTED - 20 AMP
- SPECIAL PURPOSE RECEPT (18' A.F.F. - MATCH EQUIPMENT PROVIDED)
- QUAD-PLEX RECEPT - 20 AMP (18' A.F.F.)
- SINGLE POLE TOGGLE SWITCH, 48' AFF
- 3-WAY TOGGLE SWITCH, 48' AFF
- SLIDE TYPE DIMMER SWITCH, WATTAGE AS REQUIRED, 48' AFF
- JUNCTION BOXES
- FUSIBLE DISCONNECT (SWITCH POLES, AMPS/FUSES AS SHOWN)
- MOTOR RATED SWITCH (WITH OVERLOADS)
- ELECTRICAL PANELBOARD
- MOTOR LOAD
- CIRCUIT HOME RUN TO PANELBOARD OR OTHER DEVICE AS INDICATED
- CONDUIT CONCEALED
- EXISTING CIRCUIT AS NOTED
- CAPPED CONDUIT
- TELEVISION OUTLET (18' A.F.F.)
- TELEPHONE/DATA OUTLET (18' A.F.F.)
- TEL/DATA OUTLET FLUSH FLOOR MOUNTED
- EXISTING DUPLEX RECEPTACLE OUTLET BOX TO REMAIN
- EXISTING TELEPHONE/DATA OUTLET BOX TO REMAIN
- EXISTING DEVICE TO REMAIN, UNLESS NOTED OTHERWISE
- EXISTING DEVICE, RELOCATED AS SHOWN
- EXISTING DEVICE TO BE DEMOLISHED OR RELOCATED
- OCCUPANCY SENSOR WITH MANUAL SWITCH, HUBBELL LHMTS1, 48' AFF
- OCCUPANCY SENSOR, CEILING MOUNT, HUBBELL DMNI DT-2000

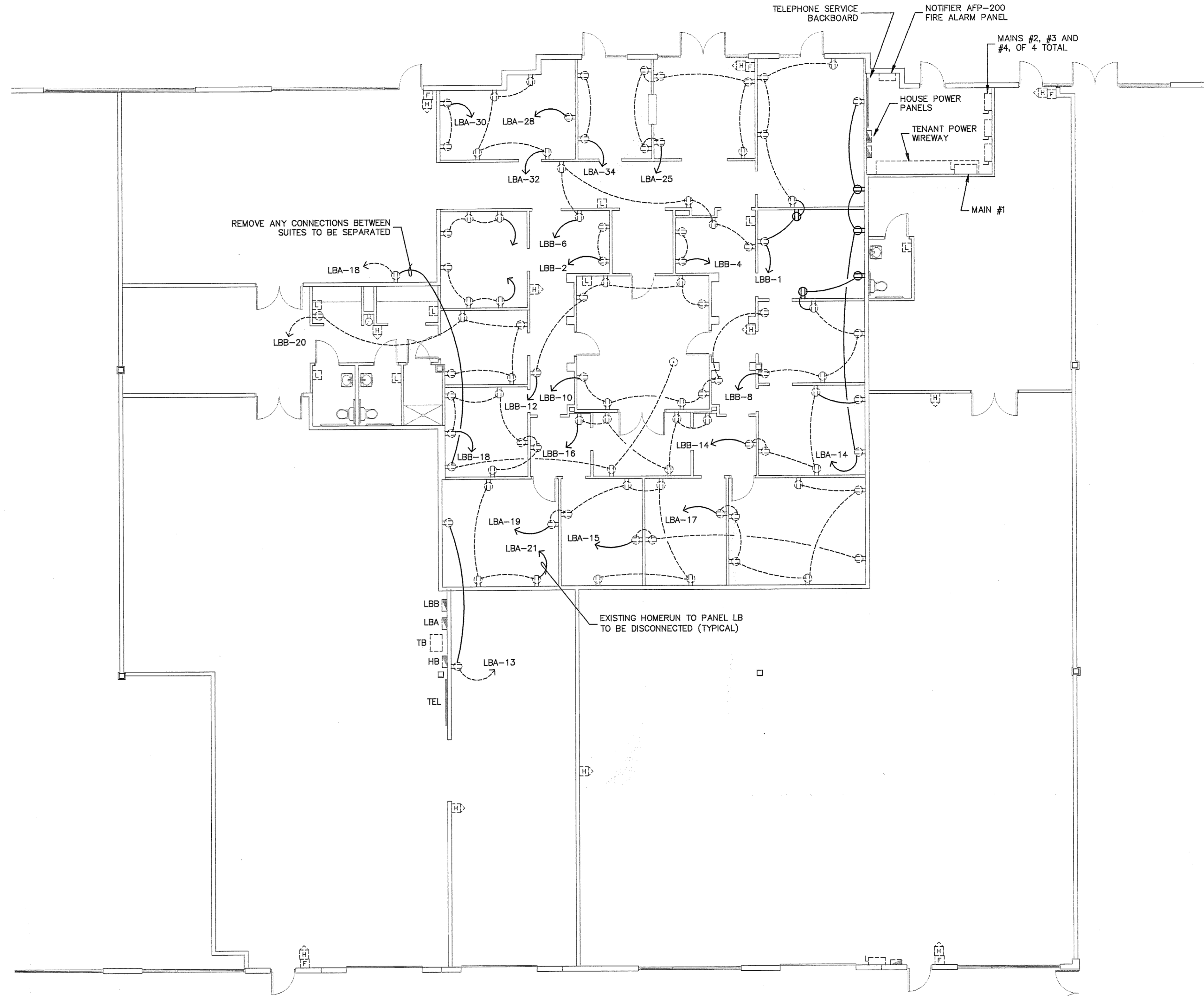
FIRE ALARM LEGEND

- MANUAL PULL STATION 48" AFF
- WALL MOUNT HORN/STROBE 80" AFF TO BOTTOM
- ADA COMPLIANT STROBE LIGHT 80" AFF TO BOTTOM

AUDIBLE ALARMS SHALL HAVE A MINIMUM LEVEL OF 15 DBA IN EXCESS OF THE AMBIENT SOUND LEVEL OF THE ROOM, AND SHALL OTHERWISE BE IN ACCORDANCE WITH FBC 11-4.28.2.

VISUAL ALARMS SHALL HAVE A MINIMUM LEVEL OF 75 CANDELA AND SHALL OTHERWISE BE IN ACCORDANCE WITH FBC 11-4.28.3.

ALL FIRE ALARM DEVICES ARE TO BE COMPATIBLE WITH EXISTING SYSTEM. PROVIDE ADDITIONAL POWER SUPPLIES AS REQUIRED. PROVIDE ADDITIONAL HORNS AND STROBES AS REQUIRED TO MEET AUDIBLE AND VISIBLE REQUIREMENTS OF NFPA 72, ADA, AND NFPA 101. VERIFY EXISTING POINT OF CONNECTION TO EXISTING SYSTEM. PROVIDE RE-CERTIFICATION OF SYSTEM UPON COMPLETION.



EXISTING ELECTRICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

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APR 23 2009

LANDFALL IMPROVEMENT

2400 CENTREPARK WEST ROAD
SUITE #103
WEST PALM BEACH, FL 33401

PROJECT NUMBER 2401

REVISIONS

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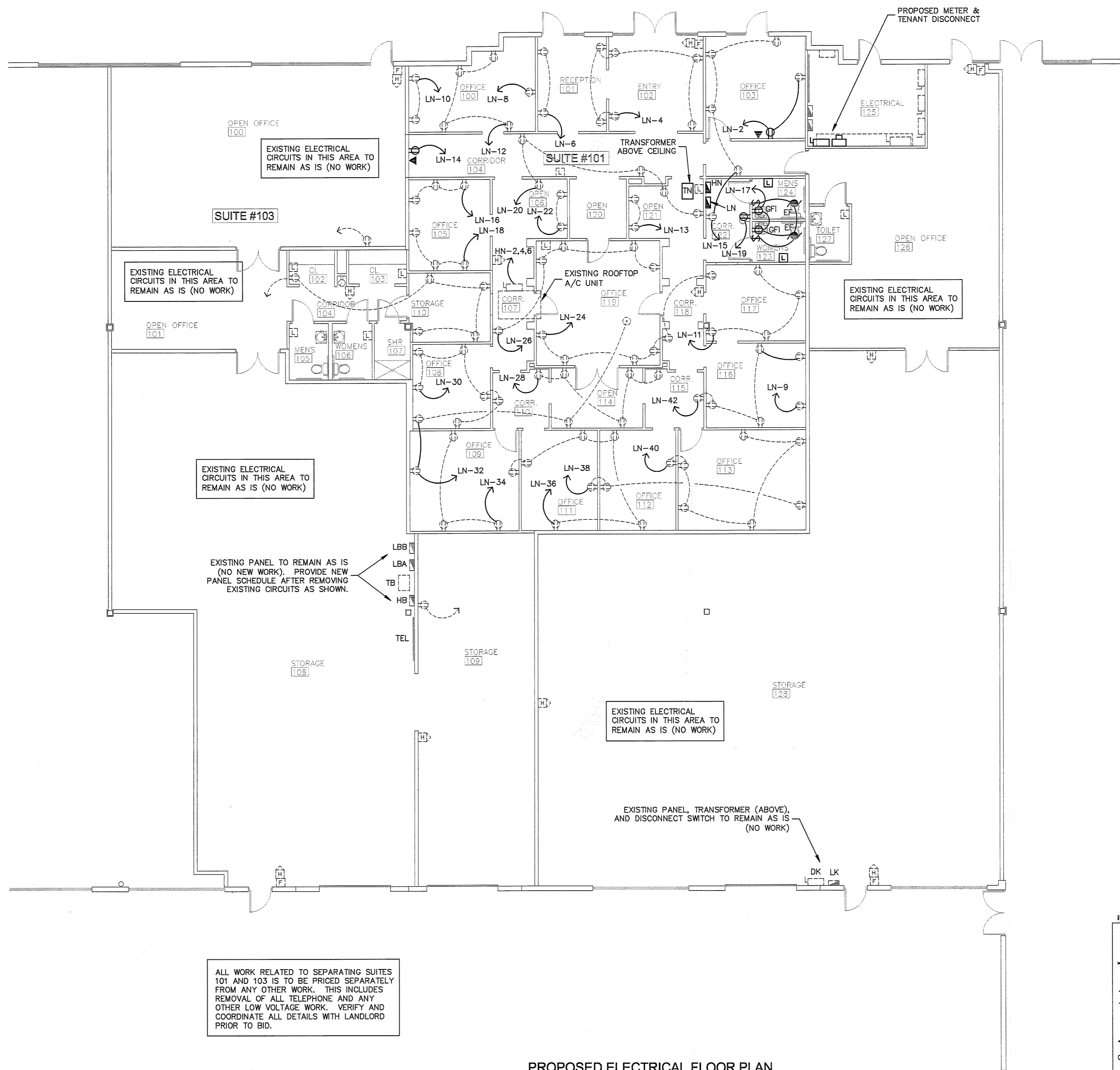
E-1

GENERAL DEMOLITION NOTES

- UNLESS OTHERWISE NOTED, ALL EQUIPMENT, WIRING DEVICES, LIGHT FIXTURES, CONDUIT AND WIRE IN THE PROJECT AREA WHICH IS NOT INDICATED TO REMAIN, IS TO BE REMOVED. THE CONTRACTOR SHALL INVESTIGATE THE PROJECT AREA PRIOR TO BID TO DETERMINE ALL REQUIRED DEMOLITION.
- EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.
- DEMOLITION WORK IS NOT SPECIFICALLY IDENTIFIED ON THESE PLANS, AND MAY BE DESCRIBED ON THE ARCHITECTS PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.
- ALL CONDUITS SERVING OTHER SPACES OR FLOORS, THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION, SO AS NOT TO CAUSE ANY DISRUPTION TO THESE OTHER SPACES.
- ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION.
- PROPERLY REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT, CONDUIT AND WIRING WHICH IS TO BE REMOVED. CONSULT WITH OWNER AND OBTAIN THE OWNERS APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL CONDUITS, NEW OR EXISTING, WITHIN THE PROJECT AREA, ARE PROPERLY SUPPORTED AND PROVIDED WITH BONDING BUSHINGS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

ELECTRICAL NOTES

- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNERS REPRESENTATIVE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE NFPA-70 (2005), THE LIFE SAFETY CODE NFPA-101 (2003), THE NATIONAL FIRE ALARM CODE NFPA-72 (2002), AND THE FLORIDA BUILDING CODE (FBC 2004 WITH 2007 SUPPLEMENTS).
- MINIMUM WIRE SIZE SHALL BE #12 A.W.G., EXCLUDING CONTROL WIRING. UNLESS OTHERWISE NOTED ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
- OUTLET BOXES SHALL BE SHEET STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES AS REQUIRED FOR OTHER CLASSIFIED AREAS.
- DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD RELAYS IN EACH HOT LEG.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C.
- ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE, AND ACCEPTED BY ENGINEER/ARCHITECT.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING.
- THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
- FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING SYSTEM AS PER MANUFACTURERS RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY AIR CONDITIONING CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR.
- ALL RACEWAYS UNDERGROUND SHALL BE A MINIMUM OF 3/4" CONDUIT.
- ALL CIRCUIT BREAKERS, TWO AND THREE POLE, TO BE COMMON TRIP, NO TIE HANDLES, OR TANDEM WILL BE ACCEPTED.
- ALL FUSES, UNLESS NOTED ON DRAWING, SHALL BE CURRENT LIMITING (C.L.) RATED FOR 200,000 A.I.C.
- ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR THE INTENDED USE, WITH UNDERWRITERS LABORATORIES, INC. (UL), WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN, ON SITE, A DETAILED AS-BUILT PLAN SHOWING ACTUAL INSTALLATIONS. THE CONTRACTOR IS TO PROVIDE A NEATLY DRAWN COMPREHENSIVE AS-BUILT SET OF PLANS UPON COMPLETION, WHICH ARE SUITABLE FOR SUBMISSION TO THE BUILDING DEPARTMENT AND THE OWNER.
- ALL WIRING IS TO BE IN CONDUIT. CABLES ARE NOT ACCEPTABLE EXCEPT WHERE USED FOR FINAL CONNECTIONS TO RECESSED LIGHTING FIXTURES IN LENGTHS UP TO SIX FEET MAXIMUM.



PROPOSED ELECTRICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

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Ronald D. Gilman
 APR 23 2009

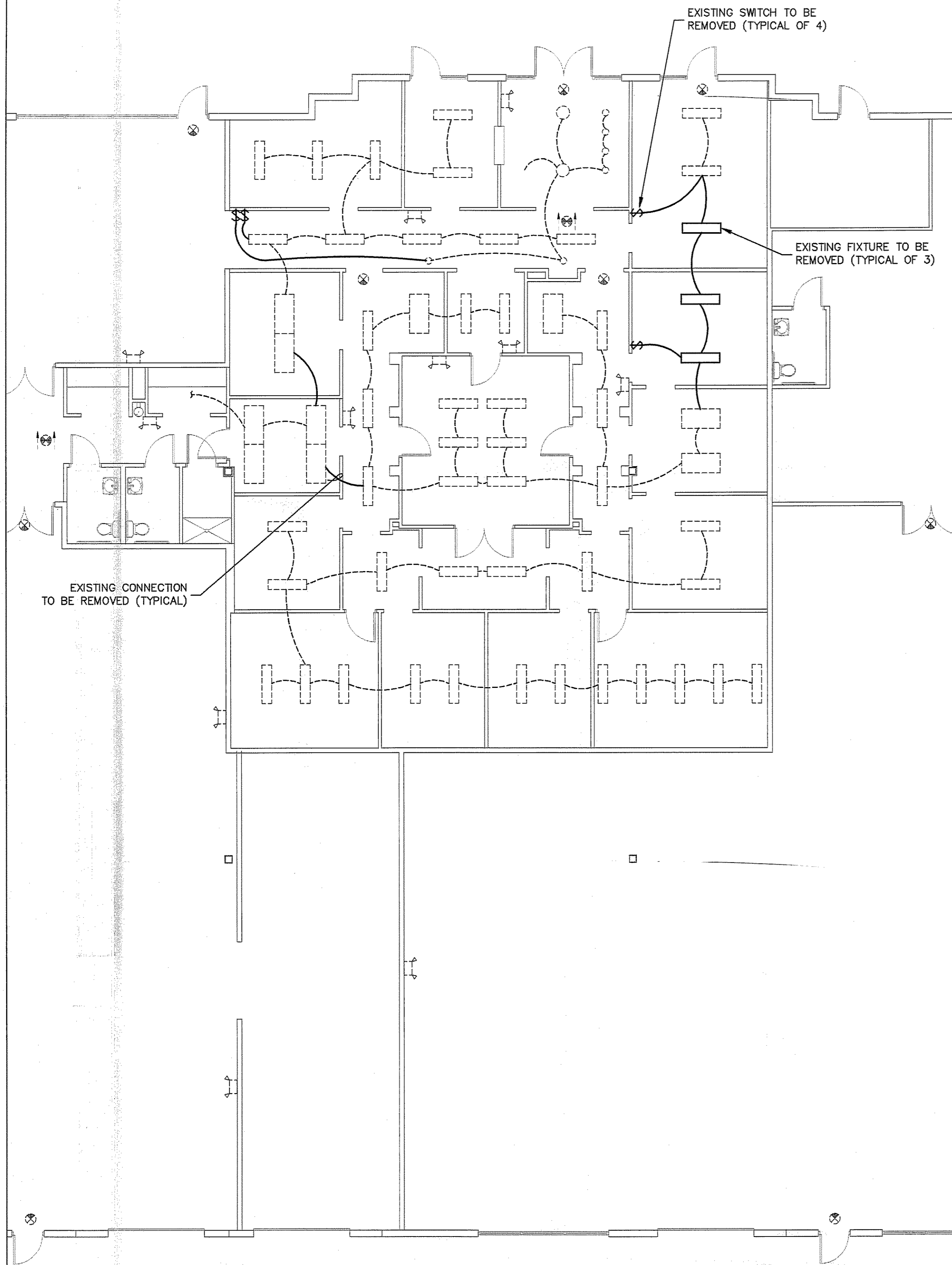
LANDFALL IMPROVEMENT
 2400 CENTREPARK WEST ROAD
 SUITE #103
 WEST PALM BEACH, FL 33401
 PROJECT NUMBER 2401

REVISIONS

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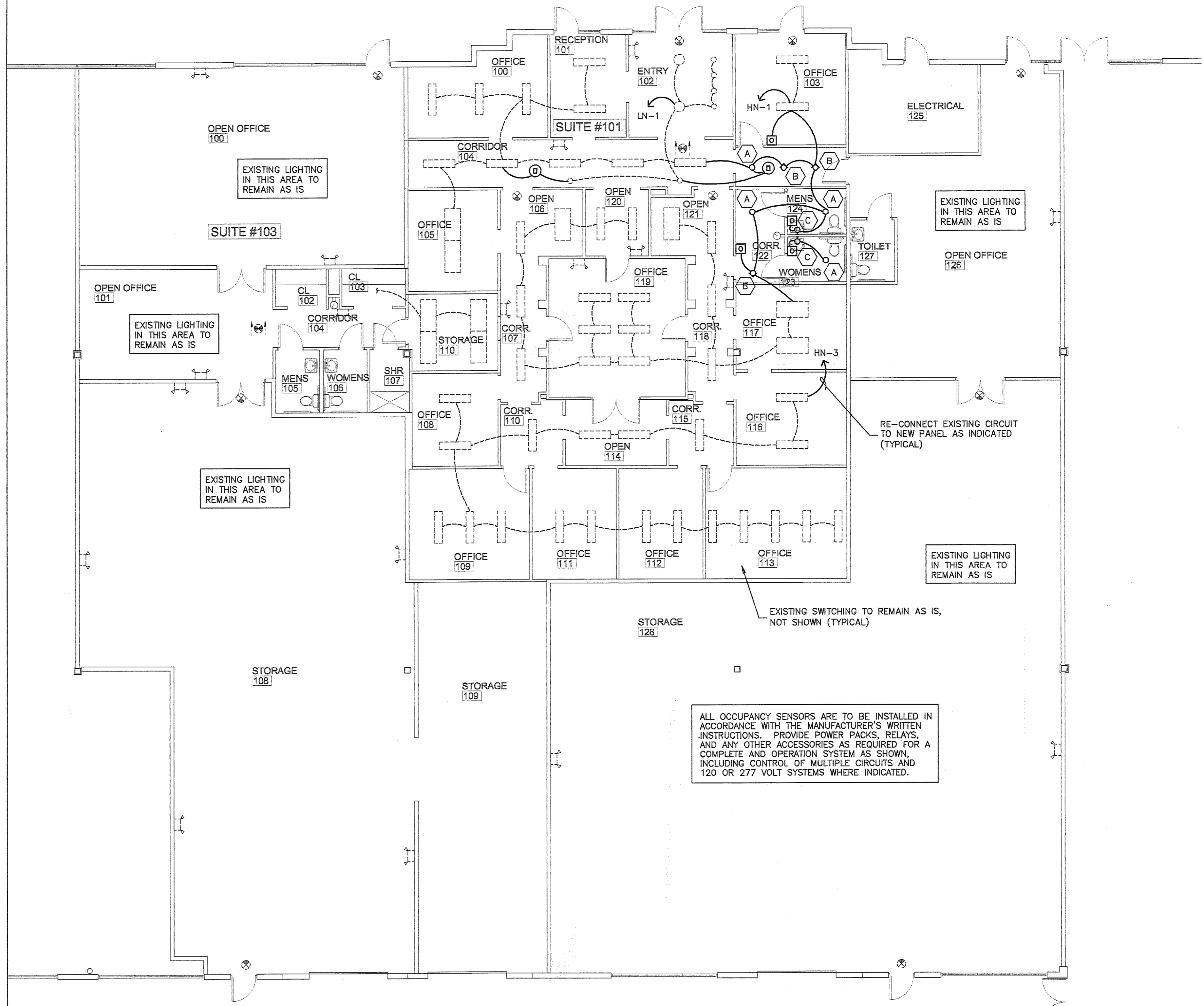
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EXISTING LIGHTING FLOOR PLAN

SCALE: 1/8" = 1'-0"



PROPOSED LIGHTING FLOOR PLAN

SCALE: 1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE							
MARK	TYPE	MOUNT	LAMP	VOLT	MANUFACTURER	CATALOG	NOTES
A	FLUORESCENT DOWNLIGHT	RECESSED	(1)32WQT 41K	277	PRESCOLITE	CFT632HEB-STF602H	①
B	FLUORESCENT WALL WASHER	RECESSED	(1)32WQT 41K	277	PRESCOLITE	CFT632HEB-STF602H-WW	①
C	DECORATIVE WALL SCONCE	SURFACE	(1)32WQT 41K	277	VISA LIGHTING	OW1454	①

① PROVIDE MANUFACTURER'S LABEL FOR 32 WATT LAMP MAXIMUM.

LIGHTING POWER COMPLIANCE				
(PER TABLE 13-415.2.B, FBC CHAPTER 1.3)				
SPACE TYPE	TOTAL AREA (SQ.FT.)	ALLOWANCE PER SQ.FT.	SUB-TOTAL ALLOWANCE	DESIGN
RESTROOMS	94	0.9	85	70
CORRIDORS	154	0.5	77	70
TOTALS			162	140

NOTE: DECORATIVE WALL SCONCE LIGHTING IN THE BATHROOMS AND ART LIGHTING (WALL WASHERS) IN THE CORRIDORS ARE NOT INCLUDED, IN ACCORDANCE WITH FBC 13-415.2(1).

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R. [Signature]
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LANDFALL IMPROVEMENT
 2400 CENTREPARK WEST ROAD
 SUITE #103
 WEST PALM BEACH, FL 33401
 PROJECT NUMBER 2401

TYPE: CUTLER HAMMER PRL										MAIN BUS: 100A														
SERVICE: 277/480, 3Ø, 4W										NEUTRAL: FULL														
MOUNTING: FLUSH										MOUNTING: FLUSH														
POLES: 24										A.I.C. 18K														
DEM. KVA	OTHER KVA	TRIP POLE	CON-DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP POLE	OTHER KVA	DEM. KVA											
	3.2	20-1	1/2	12	LIGHTING-FRONT AREAS	1	2																	
	1.8	20-1	1/2	12	LIGHTING-REAR AREAS	3	4	RTU-2	8	3/4	50-3	29.6												
					SPARE	5	6																	
					SPARE	7	8																	
					SPACE	9	10	TRANSFORMER TN			50-3	18.9												
						11	12																	
						13	14	SPACE																
						15	16																	
						17	18																	
						19	20																	
						21	22																	
						23	24																	
						25	26																	
						27	28																	
						29	30																	
						31	32																	
						33	34																	
						35	36																	
						37	38																	
						39	40																	
						41	42																	
													5.0											48.5

TOTAL DEMAND LOAD: 53.5 KVA = 64 AMPS

PANEL SCHEDULE KEYNOTES

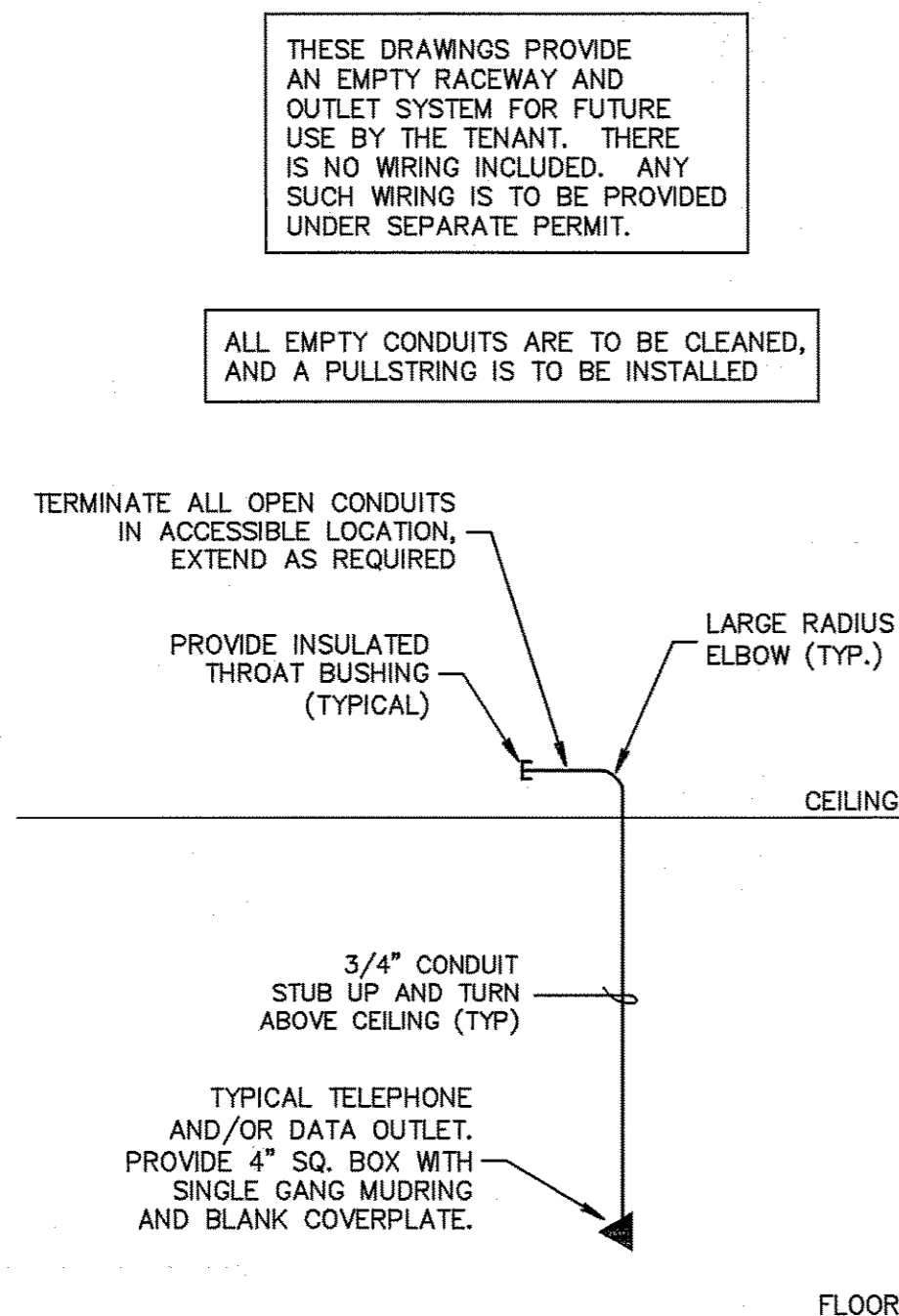
① CONTINUOUS LOAD - SHOWN AT 125% OF CONNECTED LOAD

TYPE: CUTLER HAMMER CH										MAIN BUS: 100A														
SERVICE: 120/208, 3Ø, 4W										NEUTRAL: FULL														
MOUNTING: FLUSH										MOUNTING: FLUSH														
POLES: 42										A.I.C. 10K														
DEM. KVA	OTHER KVA	TRIP POLE	CON-DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON-DUIT	TRIP POLE	OTHER KVA	DEM. KVA											
	1.2	20-1	1/2	12	LOBBY LIGHTING	1	2	RECEPTACLES ROOM 103	12	1/2	20-1	0.4												
					SPARE	3	4	RECEPT.-ROOMS 101,102				1.1												
					SPARE	5	6	RECEPTACLES ROOM 101				0.4												
					SPARE	7	8	RECEPTACLES ROOM 100				0.2												
	0.2		1/2	12	RECEPTACLES ROOM 116	9	10	RECEPTACLES ROOM 100				0.4												
	0.7		1/2	12	RECEPTACLES ROOM 117	11	12	RECEPTACLES ROOM 100				0.7												
	0.4		1/2	12	RECEPTACLES ROOM 121	13	14	RECEPTACLES ROOM 104				0.2												
	0.9		1/2	12	RECEPT.-ROOMS 103,122	15	16	RECEPTACLES ROOM 105				0.5												
	0.5		1/2	12	BATHROOM RECEPT.&FANS	17	18	RECEPTACLES ROOM 105				0.5												
	0.5		1/2	12	DRINKING FOUNTAIN	19	20	RECEPT.-ROOM 104,106,121				0.9												
					SPACE	21	22	RECEPTACLES ROOM 104				0.4												
						23	24	RECEPT.-ROOMS 117,118,119				1.1												
						25	26	RECEPT. ROOMS 107,119				0.9												
						27	28	RECEPT. ROOMS 110,114,115				0.9												
						29	30	RECEPT.-ROOMS 108,110				1.1												
						31	32	REC.-ROOMS 108,109,114,119				0.7												
						33	34	RECEPT. ROOMS 109				0.5												
						35	36	RECEPT. ROOMS 109,111,112				1.1												
						37	38	RECEPT.-ROOMS 111,112,113				0.5												
						39	40	RECEPT. ROOMS 112,113				1.1												
						41	42	RECEPT.-ROOMS 115,116				0.9												
													4.4											14.5

TOTAL DEMAND LOAD: 18.9 KVA = 53 AMPS

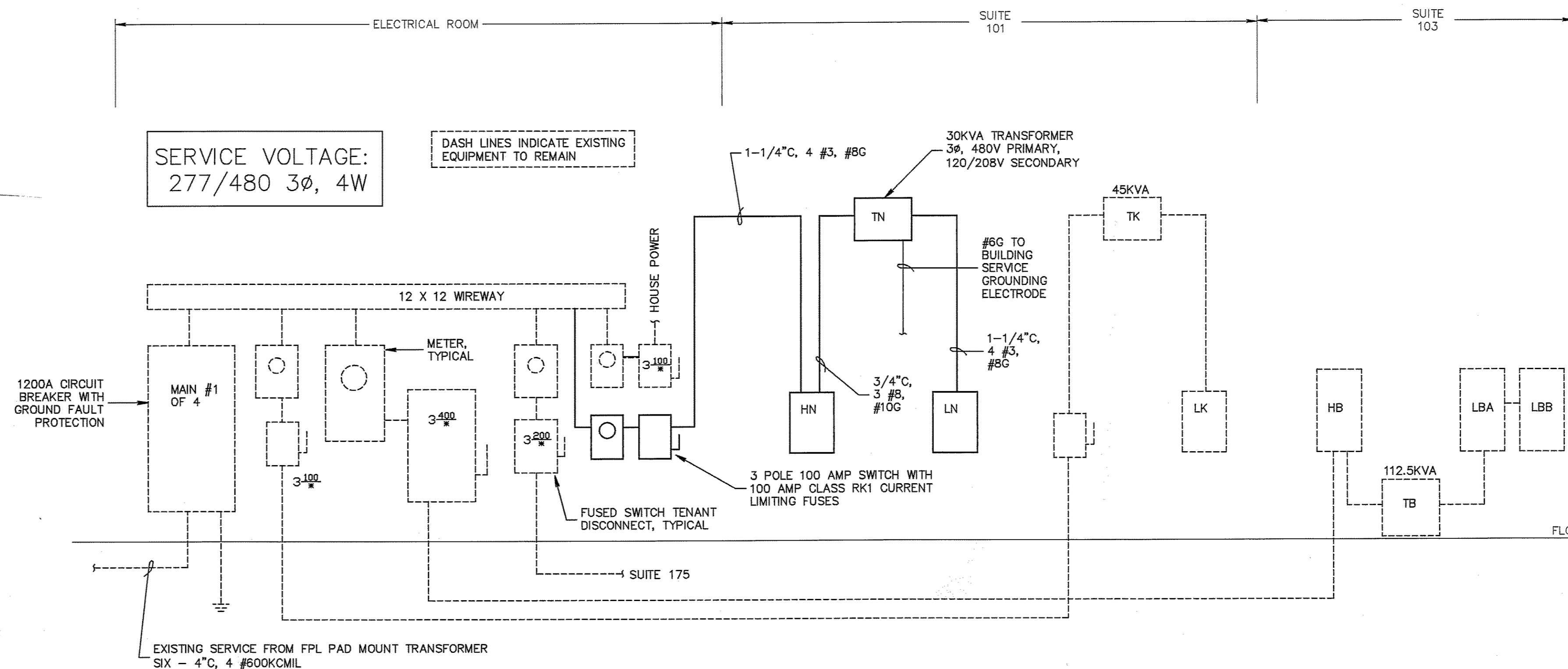
PANEL SCHEDULE KEYNOTES

① CONTINUOUS LOAD - SHOWN AT 125% OF CONNECTED LOAD



TELEPHONE/DATA OUTLET

ND SCALE



RISER DIAGRAM (PARTIAL)

ND SCALE

ELECTRICAL DETAILS

SCALE: NONE

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MAY 04 2009

LANDFALL IMPROVEMENT

2400 CENTREPARK WEST ROAD
SUITE #103
WEST PALM BEACH, FL 33401

PROJECT NUMBER 2401

REVISIONS

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