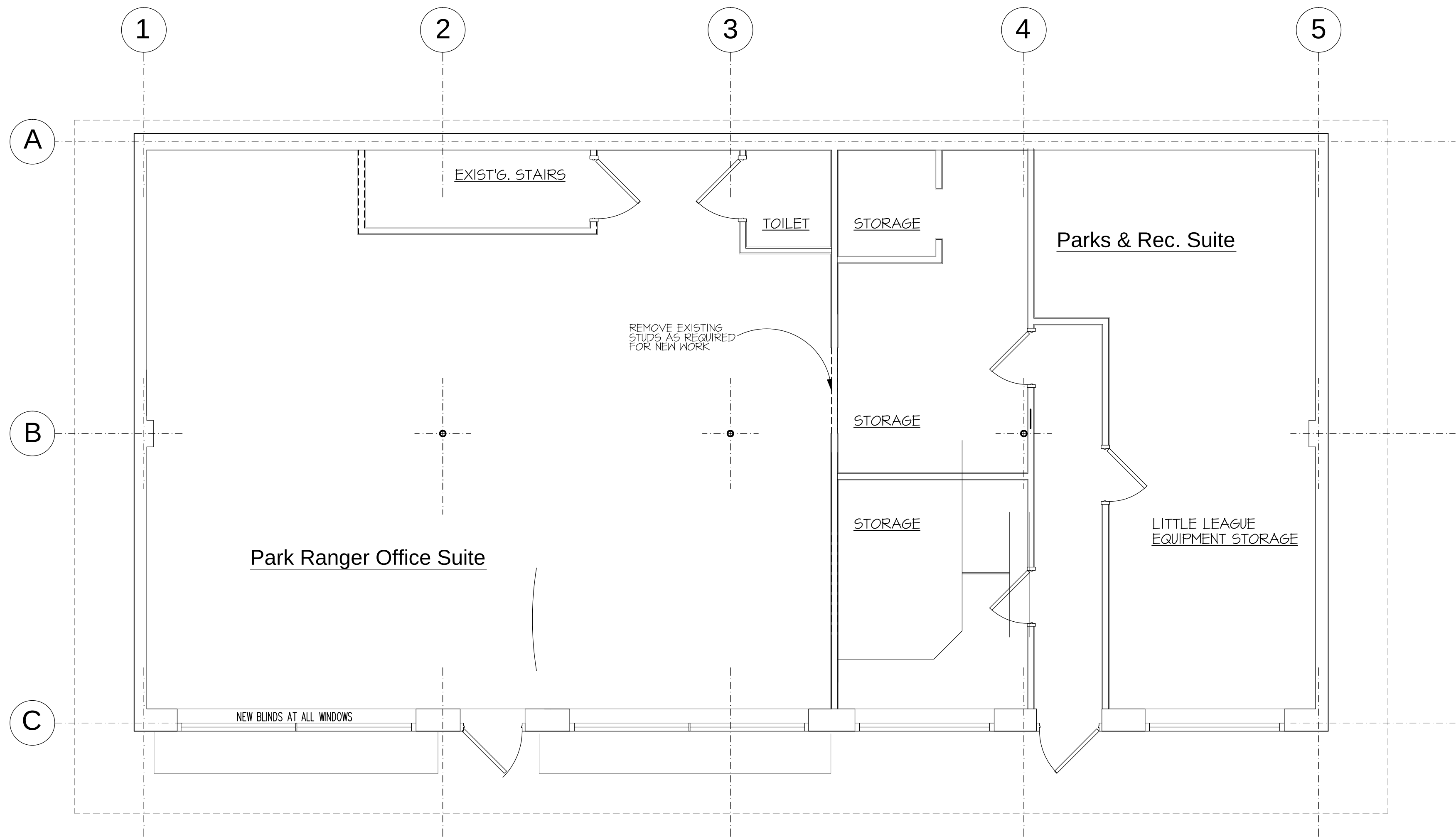
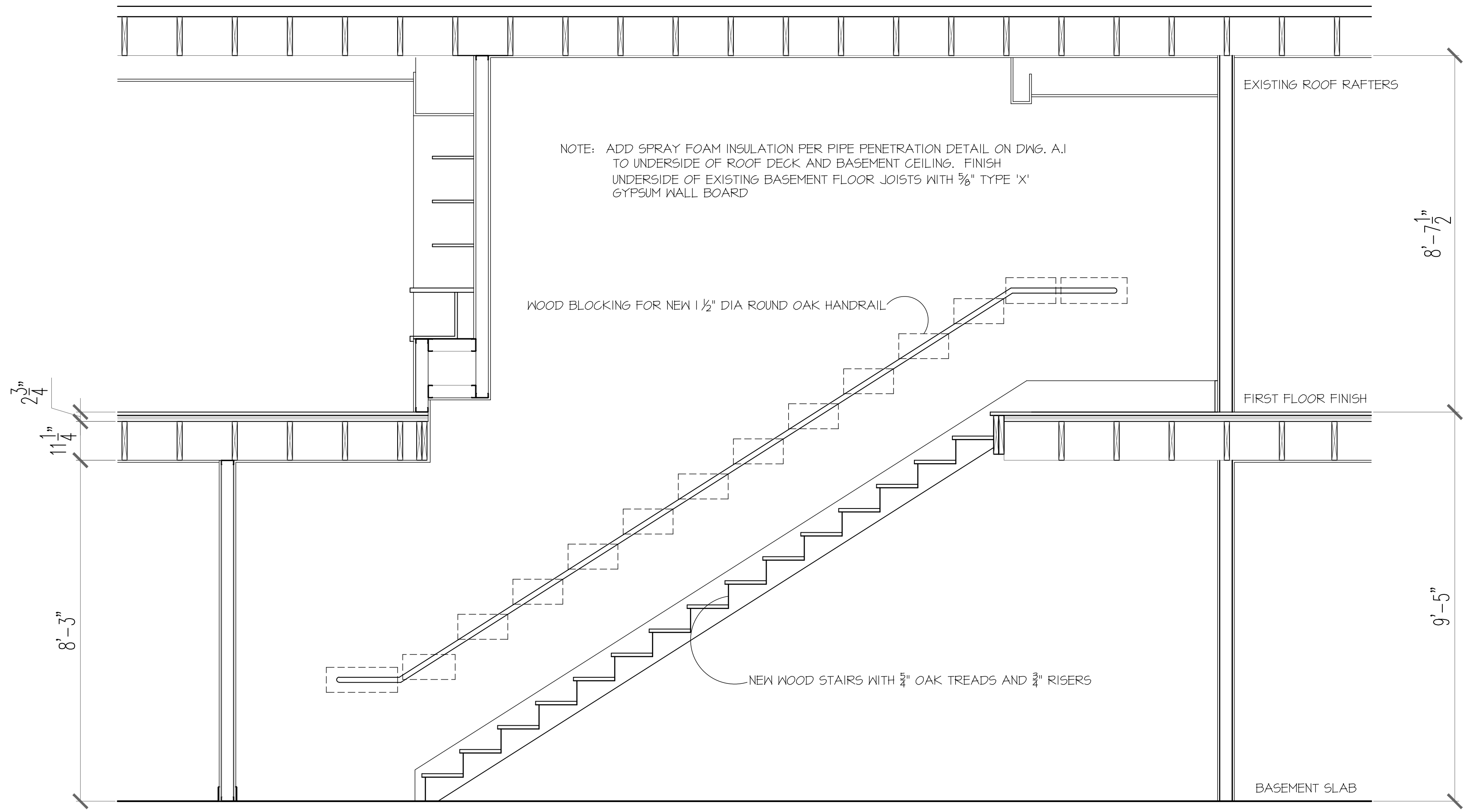




Health Center - Former Park Ranger Plan Layout / DEMOLITION PLAN
NOTE: Former layout shown for Building Official Reference.



BUILDING SECTION THROUGH NEW FIRE RATED BASEMENT STAIRS
Scale: 1/2" = 1'-0"

BID DOCUMENTS		04.30.2015
COPYRIGHT		2015
NO.	DATE	REVISIONS

DESIGNED BY: EBM
DRAWN BY: EBM
CHECKED BY:
APPROVED BY:

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Town of Trumbull
Park Ranger
Renovations
326 White Plains Road

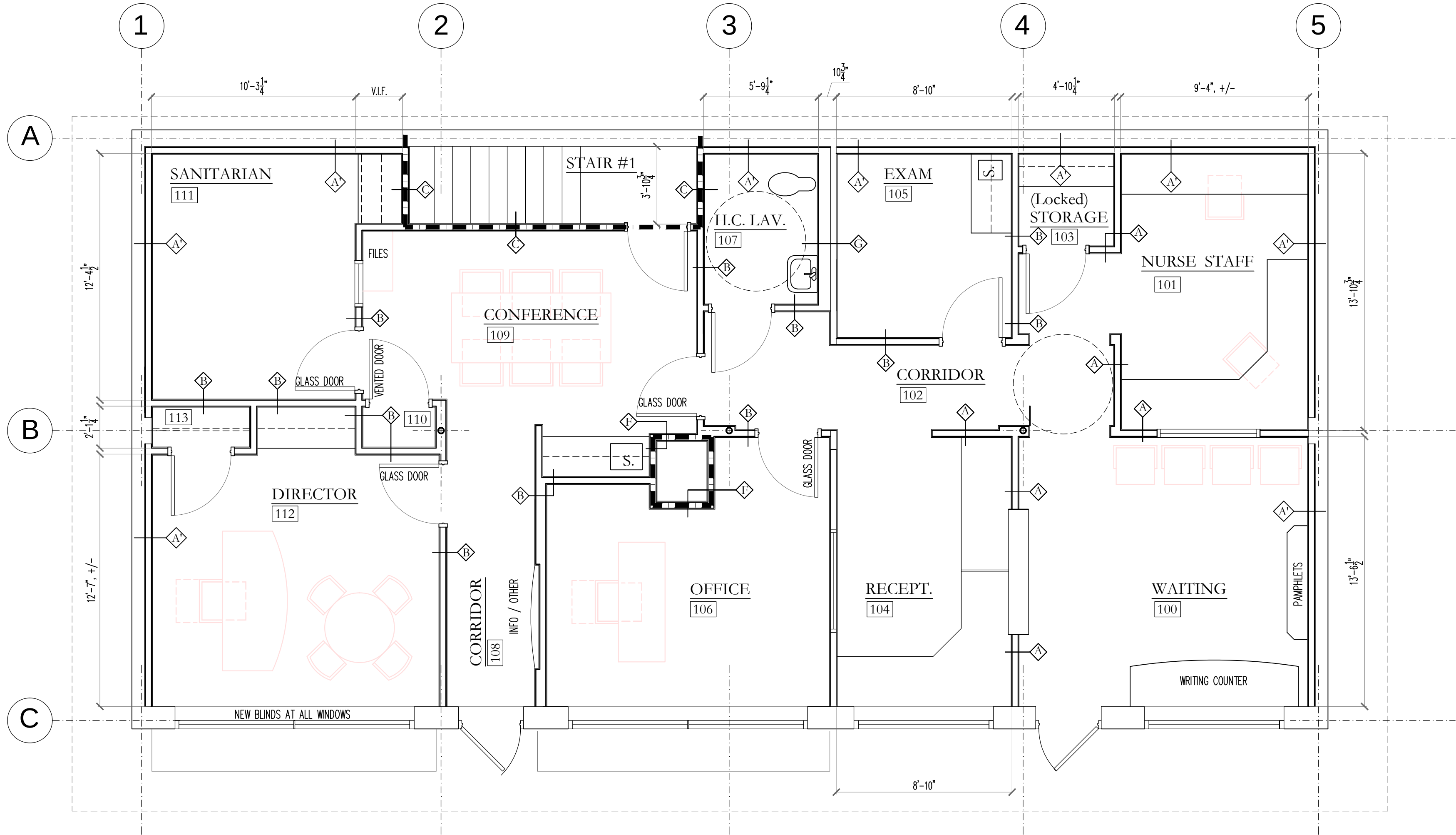
JOB NO: 51811.00
CADD NO:
FILE NO:

Exist'g / Demo
Plan & Code Info

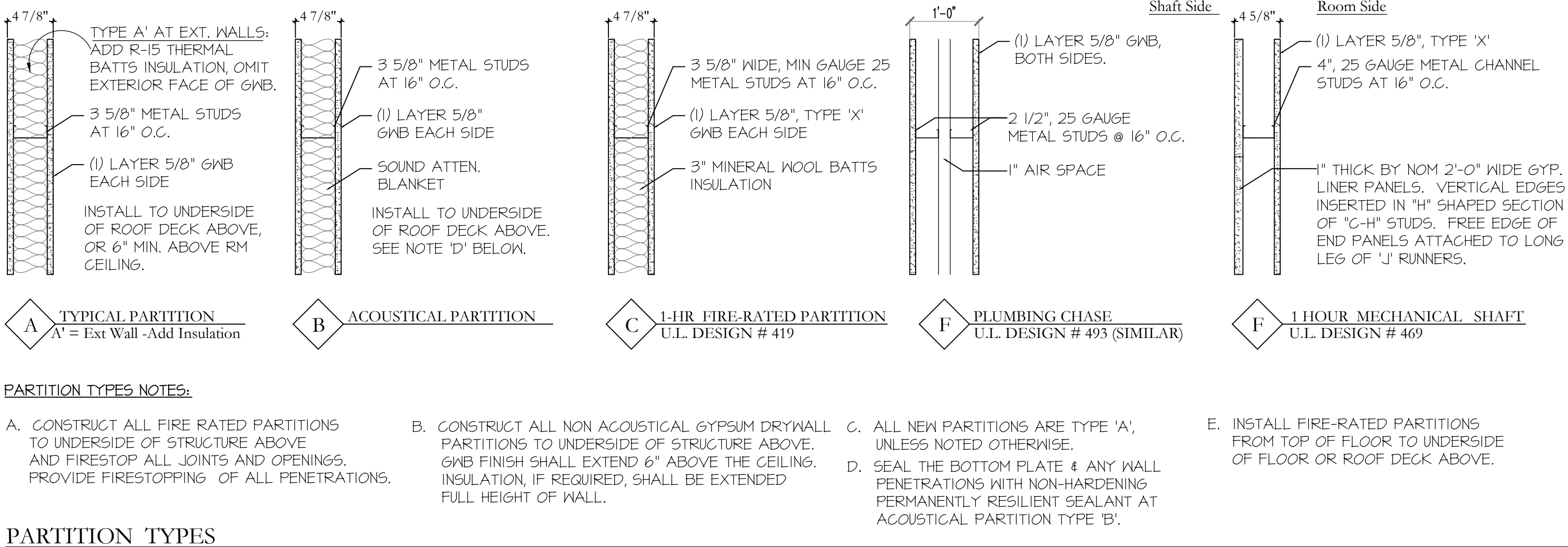
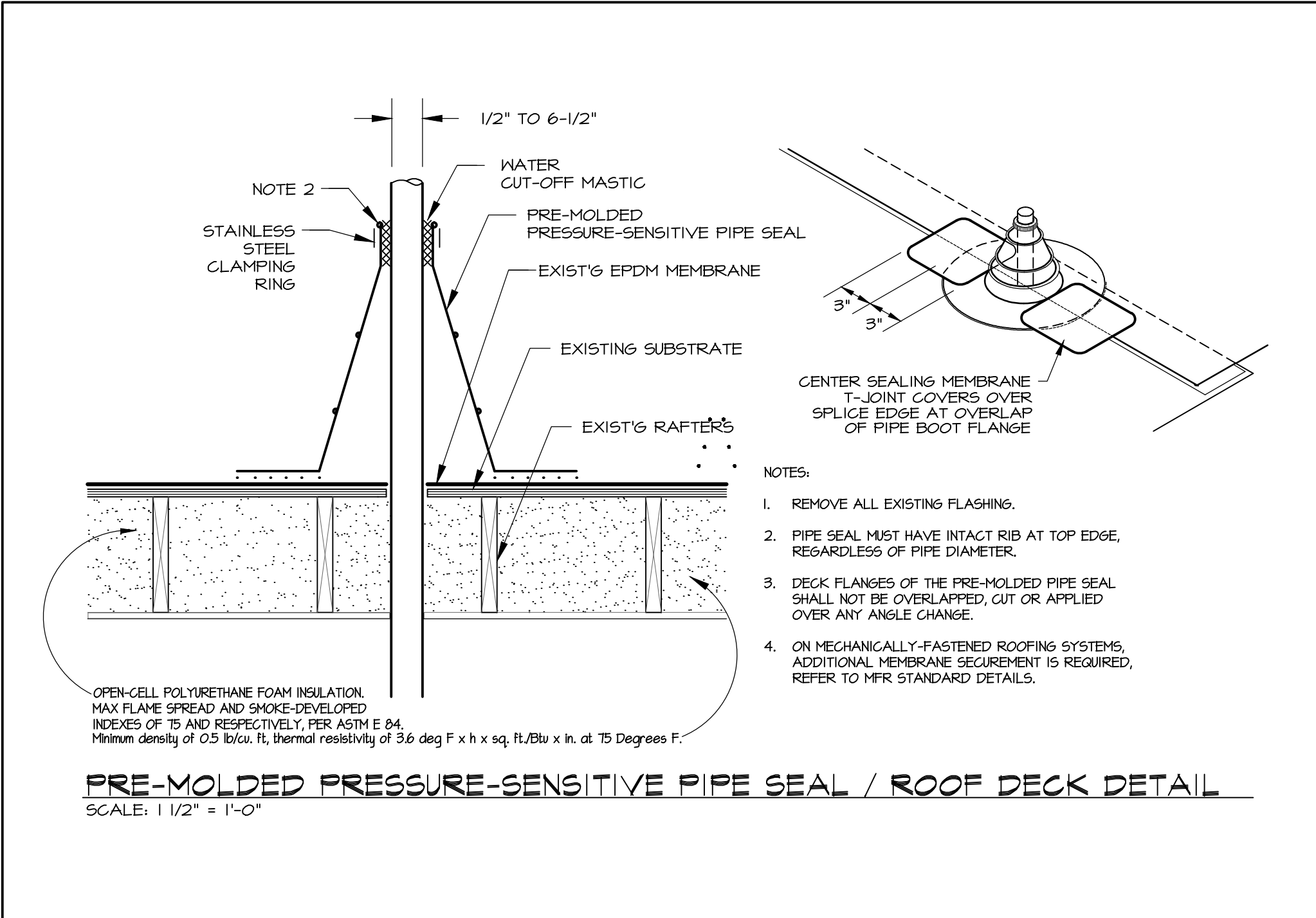
SCALE: 1/4" = 1'-0" / AS NOTED
DRAWING NO: A.0
DATE: APRIL 30, 2015

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, ALL DOORS SHALL BE 2 PANEL, SOLID CORE WOOD, 3'-0"x 6'-8"x 1-3/4" THK.
2. ALIGN TOP OF INTERIOR WINDOW FRAMES WITH TOP OF ADJACENT DOOR FRAME. FRAME AND GLASS MATERIALS TO MATCH DOORS. INTERIOR WINDOW SIZES ARE TO BE AS INDICATED ON FLOOR PLAN. SAFETY AND WIRE GLAZING TO BE USED WHERE REQUIRED BY CODE.
3. PRIOR TO INSTALLING DRYWALL, CONDUCT A SITE WALK THROUGH WITH THE OWNER TO ADDRESS EXACT LOCATION AND QUANTITIES OF ELEC. & DATA OUTLETS AS REQ'D TO SERVE OWNER'S EQUIPT. AT LOCATIONS AS DESIGNATED BY THE OWNER.
4. DOOR HARDWARE, SECURITY ACCESS, AND OTHER SECURITY SYSTEMS SELECTED BY THE BUILDING TENANT, SHALL BE REVIEWED AND APPROVED BY THE TOWN'S DEPT. OF PUBLIC WORKS PRIOR TO ORDER AND INSTALLATION.



HEALTH CENTER - FIRST FLOOR PLAN



PARTITION TYPES

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Park Ranger
Renovations

326 White Plains Road

JOB NO: 51811.00
CADD NO:
FILE NO:

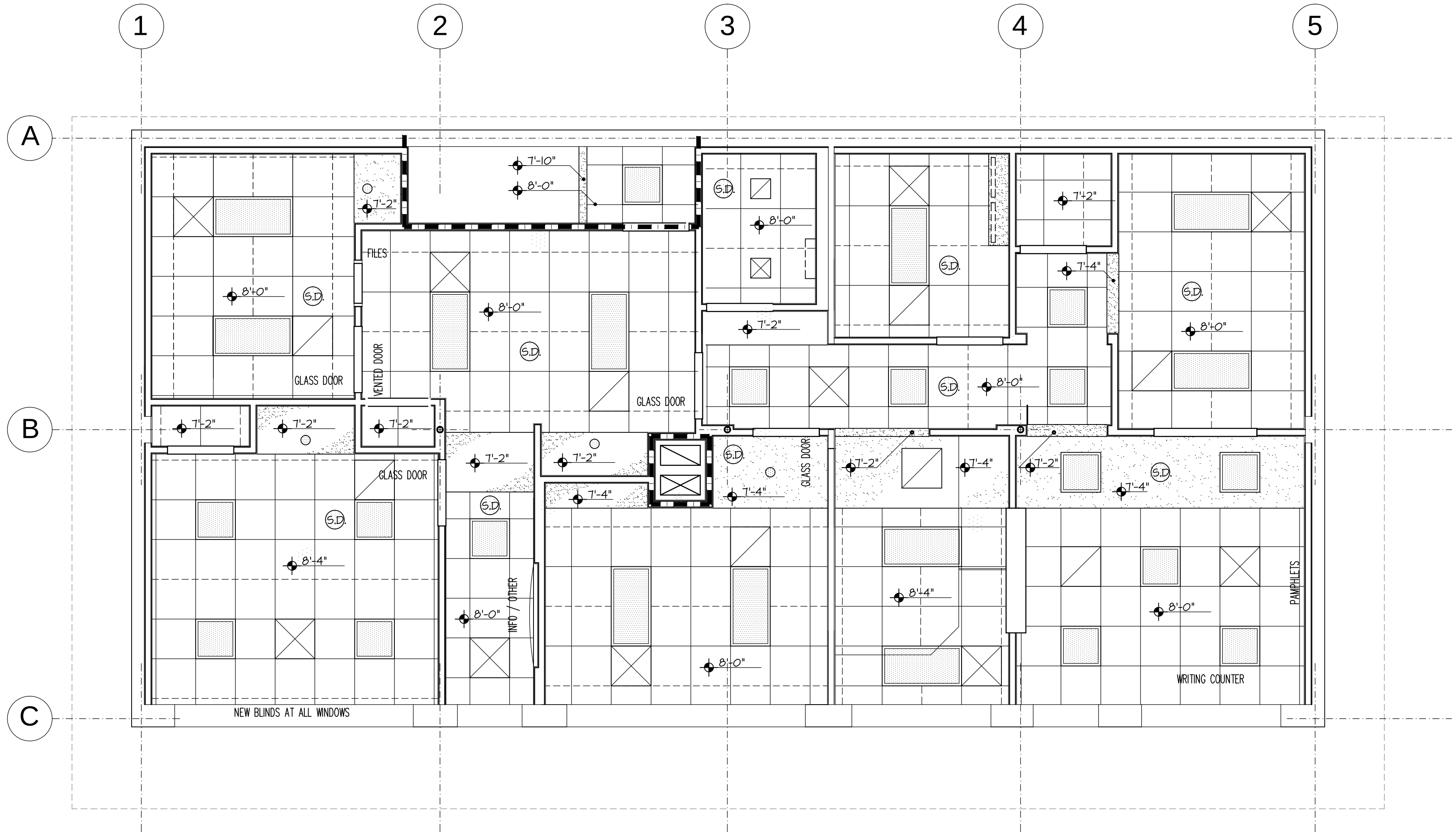
First Floor Plan
& Interior Details

SCALE: 1/4" = 1'-0"
DRAWING NO: A.01
DATE: APRIL 30, 2015

NO.	DATE	REVISIONS

DESIGNED BY: EBM
DRAWN BY: EBM
CHECKED BY:
APPROVED BY:

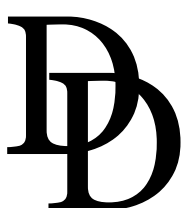
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HEALTH CENTER - REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE																
RM. NO.		ROOM NAME	FLOOR				BASE				WALL			CEILING		REMARKS
			EXISTING TO REMAIN (E.T.R.)	V.C.T.	CARPET (CPT.)	OTHER/AS NOTED	EXISTING TO REMAIN (E.T.R.)	VINYL COVE (V.C.)	VINYL STRAIGHT BASE (V.S.B.)	WOOD	EXISTING TO REMAIN (E.T.R.)	PAINT	WALL COVERING	G.W.B. / G.W.B. SOFFIT	A.C.T.	
BASEMENT	001	BASEMENT	E.T.R.				E.T.R.				E.T.R.		GWB			NEW 5/8" TYPE 'X' GWB CEILING PER DETAIL
	---	STAIR #1	E.T.R.			WOOD			WOOD V.S.B.			PAINT		GWB	A.C.T.	NEW WOOD STAIR CASE & STRINGERS. SEE CLG. PLAN
								V.C.B.	V.S.B.							
FIRST FLOOR	100	WAITING		V.C.T.				V.C.B.				PAINT			A.C.T.	ALTERNATE 'B' - ADD CHAIR RAIL TO 4 WALLS
	101	NURSE STAFF			CPT.				V.S.B.							
	102	CORRIDOR		V.C.T.												
	103	(Locked) STORAGE			CPT.											
	104	RECEPTIONIST			CPT.											
	105	EXAM ROOM				V.C.T.**		V.C.B.								** = SEAMLESS VINYL FLOOR
	106	OFFICE			CPT 2				V.S.B.							ALTERNATE 'C' - CARPET UPGRADE
	107	H.C. LAV.				C.T.		V.C.B.								CERAMIC TILE FLOOR. SEMI-GLOSS MILDEW RESISTANT PAINT
	108	CORRIDOR			CPT.				V.S.B.							
	109	CONFERENCE				V.C.T.		V.C.B.								
	110	DATA CLOSET				V.C.T.		V.C.B.								
	111	SANITARIAN			CPT.				V.S.B.							
	112	DIRECTOR			CPT 2				V.S.B.							ALTERNATE 'C' - CARPET UPGRADE
113	CLOSET			CPT 2				V.S.B.			PAINT			A.C.T.	ALTERNATE 'C' - CARPET UPGRADE	

- * - EXAM ROOM 105 = EPOXY OR SEMI-GLOSS ANTI-BACTERIAL PAINT.
- * - SEE CEILING PLAN FOR GWB SOFFIT LOCATIONS
- * - ROOMS 108, 111 & 112 - PROVIDE ALTERNATE #2 FOR CARPETING UPGRADE.
- * - ACOUSTICAL CEILING6 TO BE 2x4'S WITH "SECOND LOOK" TILES



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Town of Trumbull

Park Ranger
Renovations

326 White Plains Road

JOB NO: 51811.00
CADD NO:
FILE NO:

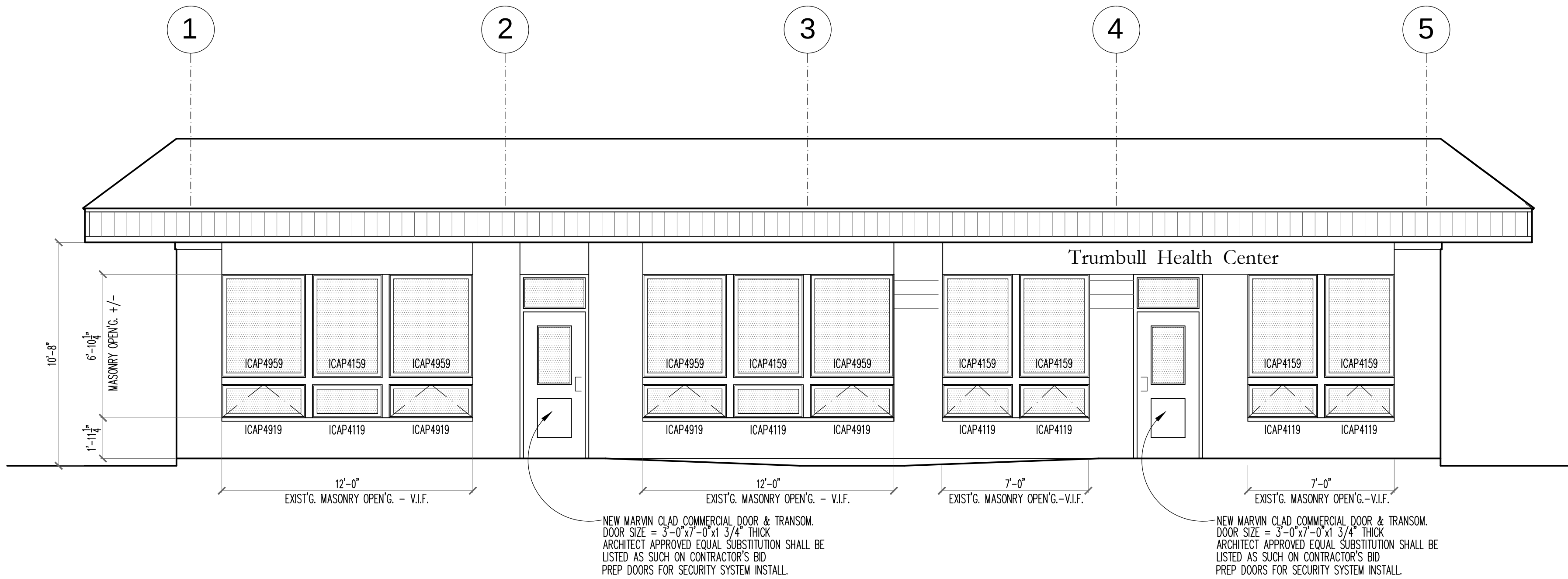
Ceiling Plan &
Finishes Schedule

SCALE: 1/4" = 1'-0" / AS NOTED
DRAWING NO: A.2
DATE: APRIL 30, 2015

BID DOCUMENTS		04.30.2015
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NOTE: WINDOW DESIGNATIONS BASED ON MARVIN INTEGRITY LINE OF WOOD ULREX SERIES WINDOWS. ARCHITECT APPROVED EQUAL SUBSTITUTIONS SHALL BE LISTED AS SUCH ON CONTRACTOR'S BID

WHITE PLAINS ROAD - PROPOSED STREET ELEVATION

LIST OF BID ALLOWANCES AND ALTERNATES:

CONTRACTORS ARE TO PROVIDE INDIVIDUAL, ITEMIZED MATERIAL AND INSTALLATION COSTS FOR EACH OF THE FOLLOWING:

1. BUILDING SIGNAGE - 2 BUILDING SIGNS, 1 LANDSCAPE SIGN, 1 18"x24" INTERIOR BRONZE DEDICATION PLAQUE.
2. A.D.A. COMPLIANT HARDWARE FOR ALL DOORS
3. C.M.U. EXTERIOR WALL INFILL AT REAR WALL AT FORMER A/C UNIT - PATCH & MATCH AS REQUIRED
4. WOOD FRAME INFILL ABOVE ALL NEW WINDOWS
5. EXTERIOR SOFFIT AND CANOPY PAINT AND REPAIRS
6. CONCRETE PAD FOR CONDENSING UNIT(S)

ALTERNATE 'A' = 5'-0" HIGH CERAMIC TILE AT ALL TOILET ROOM 101 WALLS.
ALTERNATE 'B' = ADD 1"x3" OAK CHAIR RAIL TO 4 WALLS IN WAITING ROOM 100.
ALTERNATE 'C' = CARPET UPGRADE IN ROOMS NOTED ON FINISH SCHEDULE

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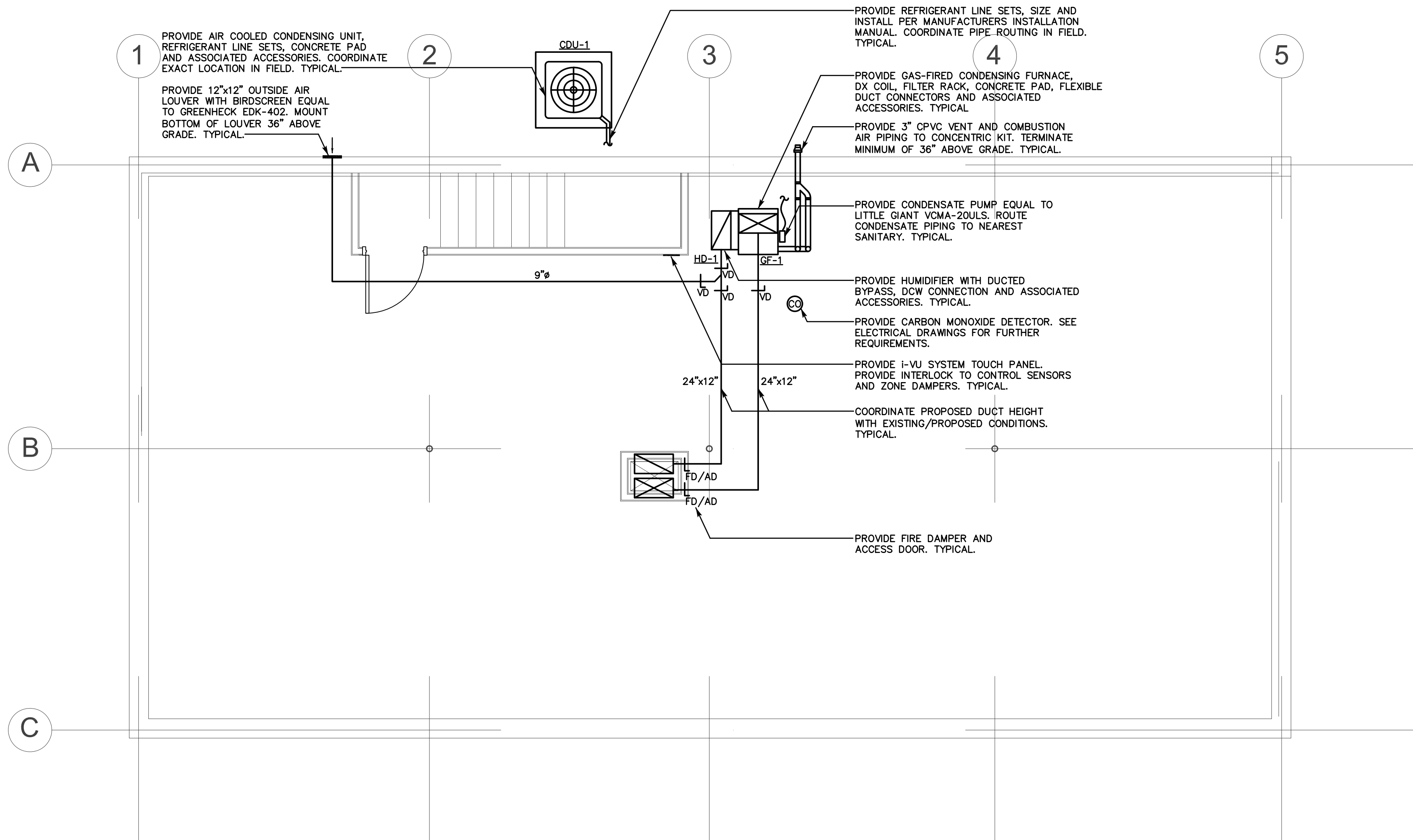
Town of Trumbull

Park Ranger
Renovations
326 White Plains Road

JOB NO: 51811.00
CADD NO:
FILE NO:

Exterior Elev. & Details

SCALE: DRAWING NO:
1/4"=1'-0" AS NOTED
DATE: APRIL 30, 2015 **A.3**



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

MECHANICAL DEMOLITION NOTE:
1. REMOVE EXISTING GAS FIRED FURNACE, CONDENSING UNIT, PIPING, DUCTWORK, GROUND FLOOR REGISTERS, THERMOSTATS, AND ASSOCIATED ACCESSORIES. COMPLETELY REMOVE EXISTING SYSTEM. TYPICAL.

MECHANICAL EQUIPMENT/DUCTWORK NOTES:
DUCTWORK AND ACCESSORIES:
PROVIDE PER SMACNA STANDARDS.
EXTERNAL INSULATION:
INSULATE EACH DUCTWORK SYSTEM SPECIFIED WITH MINIMUM OF R-5 RIGID OR FLEXIBLE INSULATION. TYPICAL.
FIRE DAMPERS:
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL.
VOLUME DAMPERS:
CONTRACTOR TO VOLUME DAMPERS FOR ALL PROPOSED DUCTWORK AS REQUIRED. COORDINATE INSTALLATION WITH PROPOSED CONDITIONS. TYPICAL.

- MECHANICAL NOTES:**
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
 2. COORDINATE ALL WORK WITH PROPOSED/EXISTING CONDITIONS. TYPICAL.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
 4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
 5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
 7. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
 8. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH EXISTING STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
 9. ROUTING OF ALL DUCTWORK/PIPING SHALL BE COORDINATED WITH PROPOSED/EXISTING CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
 10. TEST, ADJUST AND BALANCE. CONTRACTOR SHALL BE CERTIFIED BY NATIONAL ENVIRONMENT BALANCING BUREAU (NEBB) OF ASSOCIATED AIR BALANCING COUNCIL (AABC). PROVIDE TESTING, ADJUSTING AND BALANCING CONFORMING TO AMERICAN SOCIETY OF HEATING, REFRIGERATING AND BALANCING AIR-CONDITIONING ENGINEERS (ASHRAE) AND NEBB OR AABC REQUIREMENTS AND STANDARDS.
 11. INSULATE ALL PROPOSED DUCTWORK/PIPING AS REQUIRED. TYPICAL.
 12. EXTEND CONCRETE PADS 6" BEYOND EDGE OF EQUIPMENT. TYPICAL.

NO.	DATE	REVISIONS

DESIGNED BY: ST
DRAWN BY: ST
CHECKED BY: JAS
APPROVED BY:

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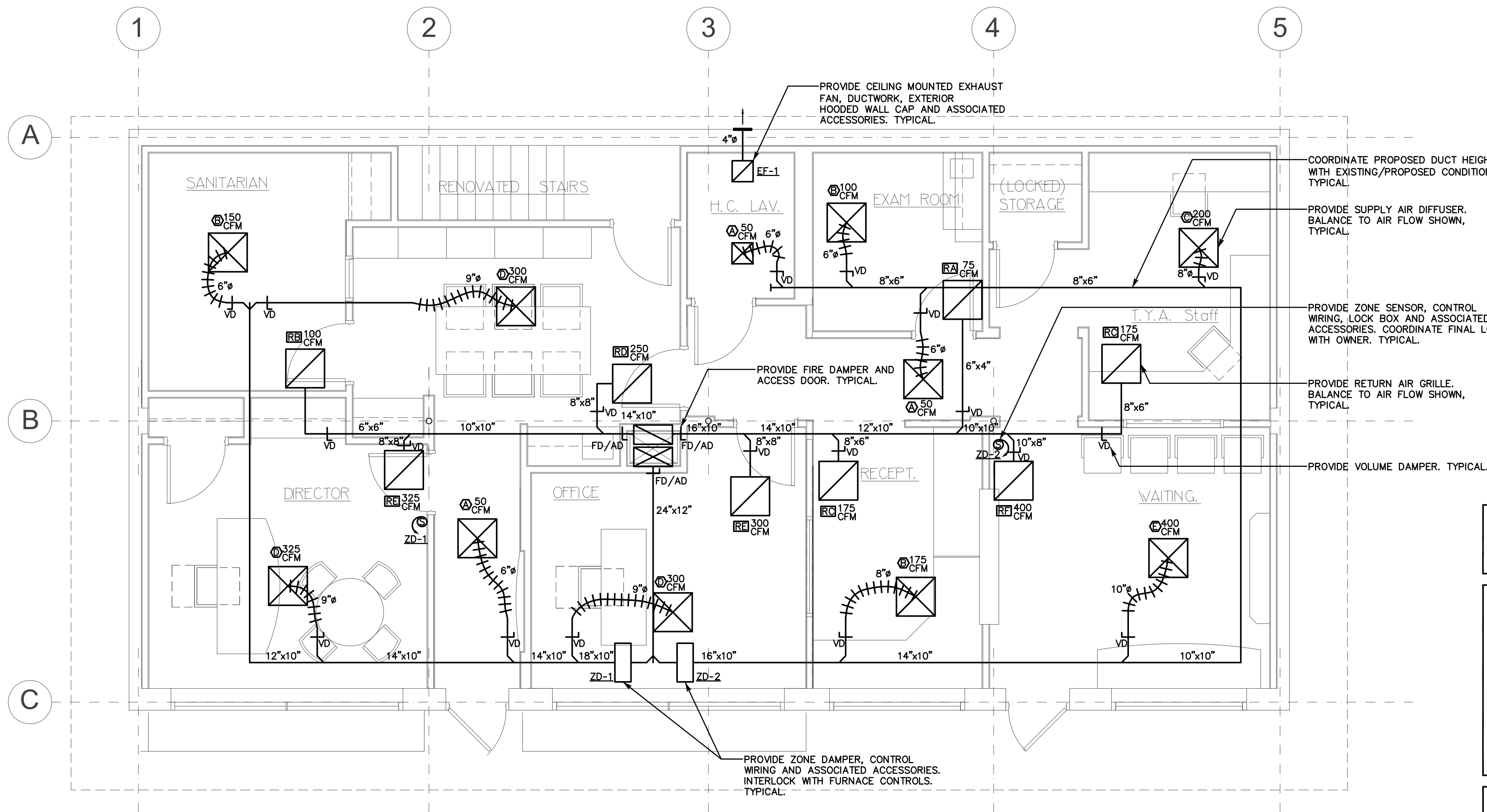


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Town of Trumbull
Park Ranger
Renovations
326 White Plains Road

JOB NO: 51877.00
CADD NO: TRUMBULL P.R./1.01
FILE NO:

**BASEMENT
MECHANICAL PLAN**



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

MECHANICAL DEMOLITION NOTE:
1. REMOVE EXISTING GAS FIRED FURNACE, CONDENSING UNIT, PIPING, DUCTWORK, GROUND FLOOR REGISTERS, THERMOSTATS, AND ASSOCIATED ACCESSORIES. COMPLETELY REMOVE EXISTING SYSTEM. TYPICAL.

MECHANICAL EQUIPMENT/DUCTWORK NOTES:
DUCTWORK AND ACCESSORIES:
PROVIDE PER SMACNA STANDARDS.
EXTERNAL INSULATION:
INSULATE EACH DUCTWORK SYSTEM SPECIFIED WITH MINIMUM OF R-5 RIGID OR FLEXIBLE INSULATION. TYPICAL.
FIRE DAMPERS:
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL.
VOLUME DAMPERS:
CONTRACTOR TO VOLUME DAMPERS FOR ALL PROPOSED DUCTWORK AS REQUIRED. COORDINATE INSTALLATION WITH PROPOSED CONDITIONS. TYPICAL.

- MECHANICAL NOTES:**
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
 2. COORDINATE ALL WORK WITH PROPOSED/EXISTING CONDITIONS. TYPICAL.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
 4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
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 6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
 7. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH EXISTING STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
 8. ROUTING OF ALL DUCTWORK/PIPING SHALL BE COORDINATED WITH PROPOSED/EXISTING CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
 9. TEST, ADJUST AND BALANCE. CONTRACTOR SHALL BE CERTIFIED BY NATIONAL ENVIRONMENT BALANCING BUREAU (NEBB) OF ASSOCIATED AIR BALANCING COUNCIL (AABC). PROVIDE TESTING, ADJUSTING AND BALANCING CONFORMING TO AMERICAN SOCIETY OF HEATING, REFRIGERATING AND BALANCING AIR-CONDITIONING ENGINEERS (ASHRAE) AND NEBB OR AABC REQUIREMENTS AND STANDARDS.
 10. INSULATE ALL PROPOSED DUCTWORK/PIPING AS REQUIRED. TYPICAL.

NO.	DATE	REVISIONS

DESIGNED BY: ST
DRAWN BY: ST
CHECKED BY: JAS
APPROVED BY:

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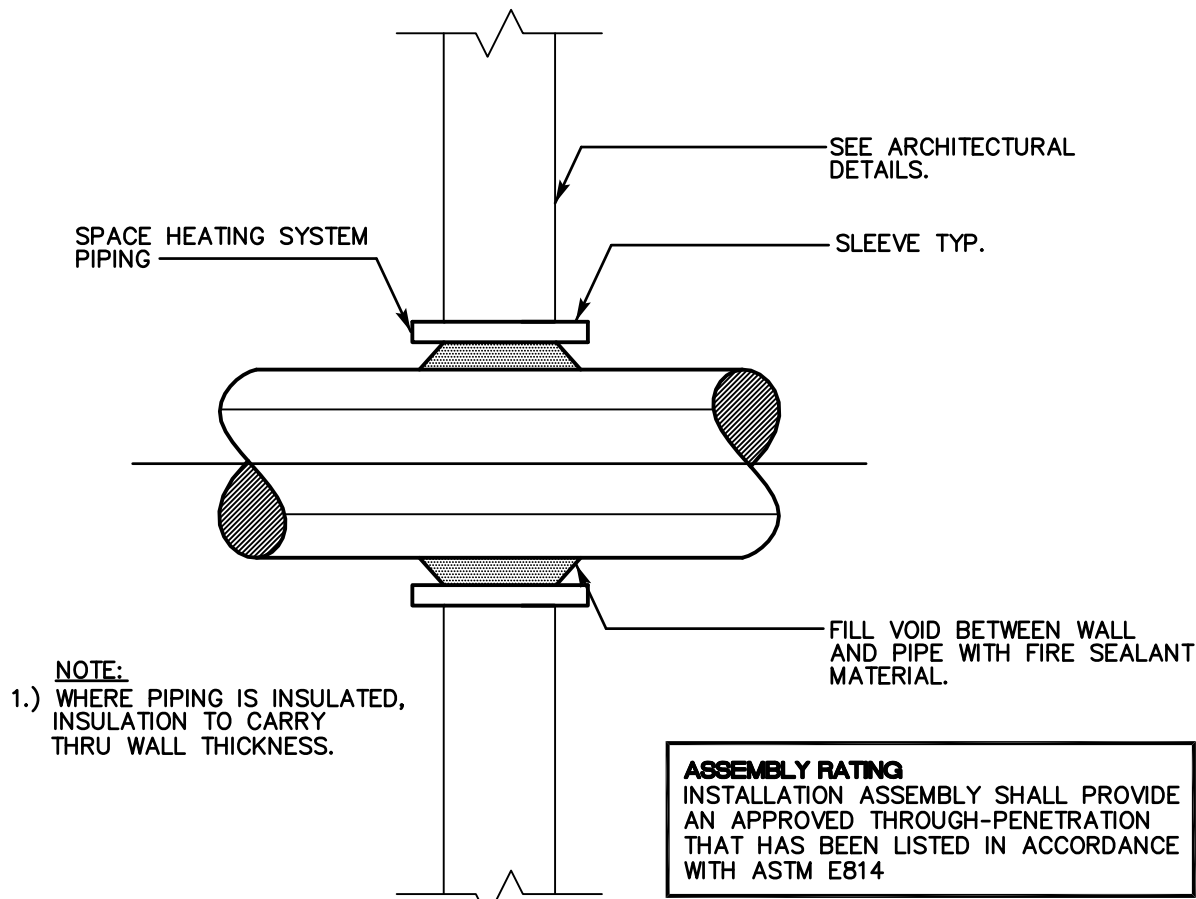
Town of Trumbull
Park Ranger
Renovations
326 White Plains Road

JOB NO: 51877.00
CADD NO: TRUMBULL P.R./1.02
FILE NO:

GROUND LEVEL
MECHANICAL PLAN

REGISTER, GRILLE AND DIFFUSER SCHEDULE						
AIR INLET / OUTLINE TYPE	NECK SIZE	TYPE	MAX. CFM	MANUFACTURER	MODEL	ACCESSORIES
A	6"	4-WAY	75	PRICE	ASCD 4 CONE	N/A
B	8"	4-WAY	175	PRICE	ASCD 4 CONE	N/A
C	10"	4-WAY	275	PRICE	ASCD 4 CONE	N/A
D	12"	4-WAY	350	PRICE	ASCD 4 CONE	N/A
E	14"	4-WAY	400	PRICE	ASCD 4 CONE	N/A
RA	10"x4"	RETURN	75	PRICE	80 SERIES	N/A
RB	8"x6"	RETURN	100	PRICE	80 SERIES	N/A
RC	10"x8"	RETURN	175	PRICE	80 SERIES	N/A
RD	12"x10"	RETURN	250	PRICE	80 SERIES	N/A
RE	14"x10"	RETURN	325	PRICE	80 SERIES	N/A
RF	14"x12"	RETURN	400	PRICE	80 SERIES	N/A
NOTES: 1. COORDINATE FINISH COLOR WITH OWNER. 2. DIFFUSERS SHALL BE PROVIDED TO MOUNT IN T-BAR LAYIN CEILING. 3. ALL AIR INLETS AND OUTLETS SHALL BE CONSTRUCTED OF EXTRUDED ALUMINUM. TYPICAL. 4. PROVIDE ALL ACCESSORIES FOR COMPLETE AND APPROPRIATE INSTALLATION. TYPICAL.						

EXHAUST FAN SCHEDULE	
EXHAUST FAN NO.	EF-1
SERVICE	BATHROOM
LOCATION	CEILING
AIR FLOW (SCFM)	110
WHEEL TYPE	CENTRIFUGAL
WHEEL MATERIAL	ALUMINUM
WHEEL CONSTRUCTION	BACKWARD
DRIVE TYPE	DIRECT
BEARING TYPE	BALL
LUBRICATION TYPE	PERMANENT
ELECT. CHARAC. (V/PH/HZ)	115/1/60
LOCAL DISCONNECT/LIGHT	YES
HOUSING MATERIAL	GALVANIZED STEEL
BACKDRAFT DAMPER	YES
DESIGN BASED MODEL	QTRN110
DESIGN BASED MANUFACTURER	NUTONE
NOTES: 1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES. TYPICAL. 2. PROVIDE MOUNTING HARDWARE IN ACCORDANCE WITH MANUFACTURER. TYPICAL.	

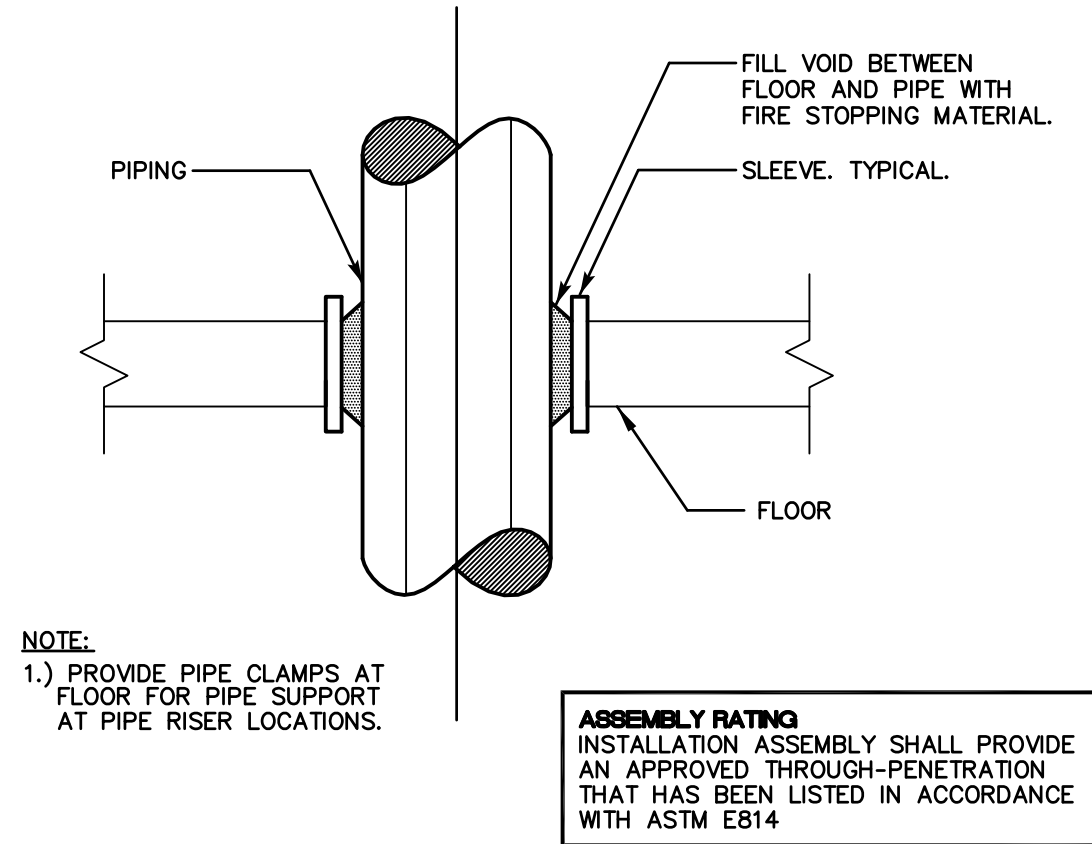


**TYPICAL WALL PIPE PENETRATION
FIRE STOPPING DETAIL**
SCALE: N.T.S.

GAS FIRED FURNACE SCHEDULE	
UNIT NO.	GF-1
SERVICE	GROUND FLOOR
LOCATION	BASEMENT
SUPPLY CFM	2,100
RETURN CFM	1,800
OUTSIDE AIR CFM (MIN)	300
E.S.P. IN H2O	1.0
DX COIL CAP. (BTUH)	55,800
ENTERING DRY BULB	80
LEAVING DRY BULB	67
HEATING INPUT (BTUH)	120,000
FILTERS	MERV 10
ELECTRICAL CHARA. (V/PH/HZ)	115/1/60
EFFICIENCY AFUE%	96.7
MOTOR	VARIABLE SPEED
DESIGN BASED MODEL	59TN6A120V
DESIGN BASED MANUFACTURER	CARRIER
NOTES: 1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES. TYPICAL. 2. PROVIDE RETURN MEDIA CABINET, ZONE DAMPERS, NEUTRALIZER KIT, ZONE CONTROL INTERFACE, AIR PURIFIER AND HUMIDIFIER.	

CONDENSING UNIT SCHEDULE	
UNIT NO.	CDU-1
SERVICE	GF-1 DX COOLING COIL
LOCATION	ADJACENT TO DISPATCH AREA
COOLING TONS	5
SEER	16
ELECTRICAL CHARACTERISTIC (V/PH/HZ)	208/1/60
DESIGN BASED MODEL	24ABC660
DESIGN BASED MANUFACTURER	CARRIER
NOTES: 1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES. TYPICAL. 2. PROVIDE THE FOLLOWING ACCESSORIES: TIME DELAY RELAY, LOW AMBIENT, CYCLE PROTECTOR, SUPPORT FEET AND TXV VALVE.	

HUMIDIFIER SCHEDULE	
UNIT NO.	HD-1
SERVICE	GF-1
LOCATION	BASEMENT
GALLONS PER DAY	18
TYPE	LARGE BYPASS
ELECTRICAL CHARACTERISTIC (V/PH/HZ)	208/1/60
DESIGN BASED MODEL	HUMCCLBP2417
DESIGN BASED MANUFACTURER	CARRIER
NOTES: 1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES. TYPICAL. 2. PROVIDE HUMIDITRAC AUTOMATIC CONTROL AND BLOWER RELAY.	



**TYPICAL FLOOR PIPE PENETRATION
FIRE STOPPING DETAIL**
SCALE : N.T.S.

MECHANICAL SYMBOL LIST	
	NEGATIVE PRESSURE OR AIR INLET DUCTWORK
	POSITIVE PRESSURE OR AIR OUTLET DUCTWORK
	DUCT WORK, DIRECTION OF FLOW
	FLEXIBLE DUCT WORK
	FIRE DAMPER WITH ACCESS DOOR
	CUBIC FEET PER MINUTE
	DIAMETER
	SENSOR
	VOLUME DAMPER

MECHANICAL ABBREVIATIONS	
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BDD	BACK DRAFT DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
CENTRIF	CENTRIFUGAL
CFM	CUBIC FEET PER MINUTE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
FD	FIRE DAMPER
FFF	FROM FINISHED FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
HP	HORSEPOWER
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCHES
L	LENGTH
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU/HOUR
MIN	MINIMUM
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RPM	REVOLUTIONS PER MINUTE
SENS	SENSOR
SP	STATIC PRESSURE
TEMP	TEMPERATURE
TONS	TONS OF REFRIGERATION

MECHANICAL GENERAL NOTES	
1.	DRAWINGS ARE DIAGRAMMATIC. THEY INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DRAWINGS ARE NOT TO BE SCALED. ORIGINAL ARCHITECTURAL DRAWINGS AND DETAILS SHALL BE EXAMINED FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. WHERE THEY ARE NOT DEFINITELY LOCATED, THE INFORMATION SHALL BE OBTAINED FROM THE OWNER OR AUTHORIZED REPRESENTATIVE.
2.	UNLESS OTHERWISE INDICATED, PROVIDE COMPLETE AND OPERATIONAL MECHANICAL SYSTEMS INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
3.	UNLESS OTHERWISE INDICATED, PROVIDE CONTROL WIRING FOR ALL MECHANICAL SYSTEM EQUIPMENT. INSTALL PER N.E.C.
4.	ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
5.	THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
6.	ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
7.	THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)."
8.	THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL, AND CONNECT COMPLETELY."
9.	SUBMIT FOR REVIEW, DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL REQUIRED TO COMPLETE THE WORK. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE WORKS OR INSTALLED UNTIL ACCEPTED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT HAS BEEN APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS, WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING, OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL, OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS, AND DETAILING REQUIRED, THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
10.	MECHANICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
11.	CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 16.
12.	TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED.
13.	THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE. WHERE CONTRACTOR SUBSTITUTES EQUIPMENT REQUIRING A DIFFERENT SYSTEM CONFIGURATION, HE SHALL BE RESPONSIBLE FOR PROVIDING INSTALLATION SHOP DRAWINGS AND ALL RELATED ACCESSORY EQUIPMENT FOR A COMPLETE SYSTEM INSTALLATION.
14.	BEFORE SELECTING MATERIAL AND EQUIPMENT AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
15.	BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
16.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH (THE LATEST ACCEPTED): A. CONNECTICUT BUILDING CODE B. BUILDING CODE C. INTERNATIONAL MECHANICAL CODE D. INTERNATIONAL PLUMBING CODE E. ENERGY CONSERVATION CODE F. ANSI STANDARDS
17.	LOCATE ALL EQUIPMENT WHICH REQUIRES SERVICING IN FULLY ACCESSIBLE POSITIONS. IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAYBE MADE TO ALLOW FOR BETTER ACCESSIBILITY. ANY CHANGE SHALL BE SUBMITTED TO THE OWNER OR HIS AUTHORIZED REPRESENTATIVE FOR REVIEW.
18.	ASCERTAIN FROM EXAMINATION OF THE DRAWINGS, ANY SPECIAL TEMPORARY OPENINGS IN THE BUILDING REQUIRED FOR THE ADMISSION OF APPARATUS PROVIDED UNDER THIS DIVISION. NOTIFY THE OWNER ACCORDINGLY. IN THE EVENT OF FAILURE TO GIVE SUFFICIENT NOTICE TO THE CONTRACTOR IN TIME TO ARRANGE FOR OPENINGS DURING CONSTRUCTION, ASSUME ALL COSTS OF PROVIDING SUCH OPENINGS THEREAFTER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSEMBLY AND DISASSEMBLY OF EQUIPMENT AS REQUIRED TO PLACE EQUIPMENT IN ITS FINAL LOCATION.
19.	UNLESS OTHERWISE INDICATED, PROVIDE 14 GAUGE GALVANIZED PIPE SLEEVES TWO (2) SIZES LARGER THAN THE PIPE OR INSULATION WHERE SUCH ASSEMBLIES PENETRATE WALLS, PARTITIONS, FLOORS, OR STRUCTURAL MEMBERS.
20.	ALL VOIDS BETWEEN PIPE SLEEVES AND PIPES SHALL BE FILLED WITH A FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIAL.
21.	UNLESS OTHERWISE INDICATED, SUPPORT PIPES/DUCTWORK WITH HANGER SPACING IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
22.	CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE EXPANSION, CONTRACTION, SLOPE, AND ANCHORAGE.
23.	UNLESS OTHERWISE INDICATED, CONTRACTOR SHALL INSULATE ALL HVAC SYSTEM PIPING SYSTEMS AND HVAC SYSTEM SUPPLY AND RETURN DUCTWORK.
24.	UNLESS OTHERWISE NOTED, CONTRACTOR TO CONCEAL ALL PIPING IN WALLS, CEILING OR FLOORS.
25.	THE CONTRACTOR(S) SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID IS NOT BEING REMOVED AS PART OF PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPENDS PROVIDING PROPOSED EQUIPMENT AND/OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF BASE BID AND CONTRACTOR'S SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OF COORDINATION WITH EXISTING CONDITIONS.
26.	REMOVE AND PROPERLY DISPOSE OF EQUIPMENT AND ASSOCIATED COMPONENTS/ACCESSORIES AS INDICATED IN THE DEMOLITION NOTE. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. TYPICAL.
27.	CONTRACTOR SHALL NOT DAMAGE ANY EXISTING EQUIPMENT, PIPING, OR ASSOCIATED ACCESSORIES WHICH ARE TO REMAIN. ANY SUCH ITEMS DAMAGED SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. TYPICAL.
28.	CONTRACTOR SHALL NOT DAMAGE ANY EXISTING ELECTRICAL CONNECTIONS, WIRING AND ASSOCIATED ACCESSORIES WHICH ARE TO REMAIN. ANY SUCH ITEMS DAMAGED SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. TYPICAL.

NO.	DATE	REVISIONS

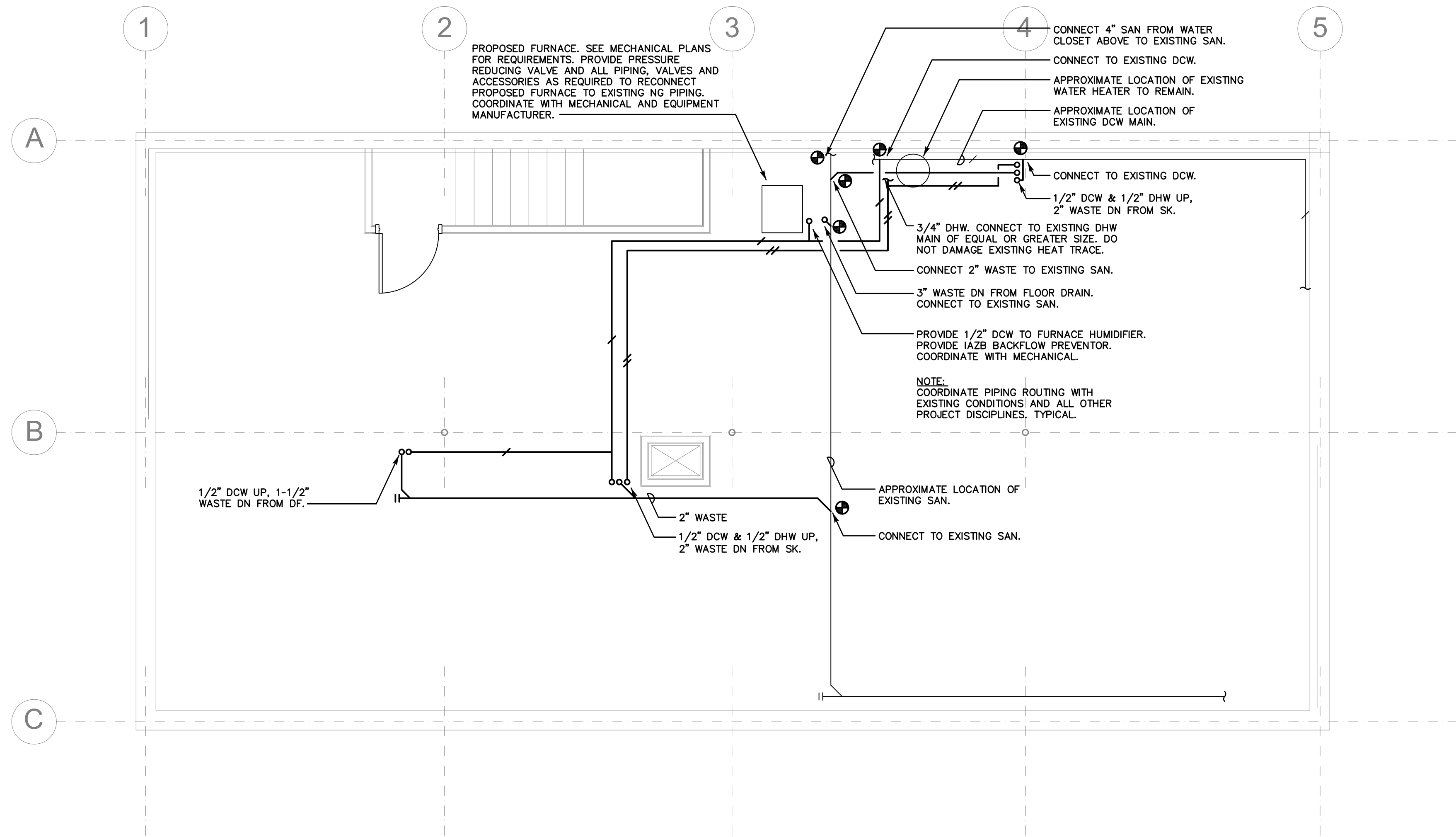
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Park Ranger
Renovations
326 White Plains Road



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

EXISTING CONDITIONS NOTE:

THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND/OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

PLUMBING FIXTURE NOTE:

CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLUMBING FIXTURES INDICATED ON PLANS. INSTALL PER MANUFACTURER'S REQUIREMENTS AND CURRENT CODES AND STANDARDS. PROVIDE ALL PIPING, VALVES AND ACCESSORIES AS REQUIRED FOR FULL AND PROPER INSTALLATION. PROVIDE FULL PORT BALL VALVE SHUT-OFFS (FULL SIZE OF PIPE) AT ALL FIXTURE SUPPLY BRANCHES AND PROPOSED BRANCHES AT MAINS. CONNECT TO EXISTING PIPING OF RESPECTIVE TYPE AND OF EQUAL SIZE OR GREATER WHERE APPLICABLE. PROVIDE TYPE L COPPER DOMESTIC WATER PIPING, CHROME PLATED BRASS SINK WASTE. PROVIDE ALL CLEANOUTS REQUIRED BY CODE. PROVIDE FIXTURE CARRIERS. PROVIDE ESCUTCHEONS AT PIPING PENETRATIONS. INSULATE ALL PIPING. COORDINATE ROUTING WITH EXISTING CONDITIONS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.

- PLUMBING GENERAL NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
 2. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
 3. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
 4. CONTRACTOR SHALL PROVIDE CLEANOUTS FOR PROPOSED SANITARY PIPING AS REQUIRED PER CURRENT APPLICABLE CODES AND STANDARDS. TYPICAL.
 5. ROUTING OF ALL PIPING SHALL BE COORDINATED WITH STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
 6. PROVIDE GAS REGULATORS AS REQUIRED ON ALL NATURAL GAS SERVICES.
 7. INSULATE SUPPLIES AND WASTE FOR ALL ADA COMPLIANT FIXTURES WITH HANDI-LAV GUARD BY TRUEBRO OR EQUAL.
 8. PROVIDE FIXTURE CARRIERS FOR WALL MOUNTED FIXTURES. TYPICAL.
 9. TRIP LEVERS/FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF ALL ADA COMPLIANT WATER CLOSETS.
 10. INSULATE ALL PROPOSED PIPING THROUGHOUT. TYPICAL.
 11. FIRESTOP ALL THRU WALL, FLOOR AND CEILING PENETRATIONS. SEE DETAILS. TYPICAL.
 14. PROTECT PIPING FROM FREEZING WHERE CONDITIONS WARRANT. ROUTE PIPING IN HEATED SPACE WHEREVER POSSIBLE. COORDINATE WITH ARCHITECT. TYPICAL.
 15. PROVIDE 1/2" DCW TO FURNACE HUMIDIFIER. PROVIDE IAZB PREVENTOR ON DCW TO HUMIDIFIER.

MECHANICAL EQUIPMENT CONDENSATE NOTE:

PROVIDE CONDENSATE DRAINAGE PIPING FROM PROPOSED MECHANICAL FURNACE PER MFG REQUIREMENTS AND RECOMMENDATIONS. COORDINATE EXACT REQUIREMENTS AND ROUTING WITH MECHANICAL.

NATURAL GAS-FIRED MECHANICAL EQUIPMENT NOTE:

PROVIDE NG BRANCH PIPING TO PROPOSED GAS-FIRED MECHANICAL EQUIPMENT PER MFG(S) REQUIREMENTS AND RECOMMENDATIONS AND CURRENT CODES AND STANDARDS. PROVIDE ALL VALVES INCLUDING PRESSURE REDUCING VALVES, FITTINGS AND ACCESSORIES AS REQUIRED FOR PROPER INSTALLATION. COORDINATE WITH MECHANICAL.

NO.	DATE	REVISIONS

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DRAWN BY: SJS
CHECKED BY: JAS
APPROVED BY:

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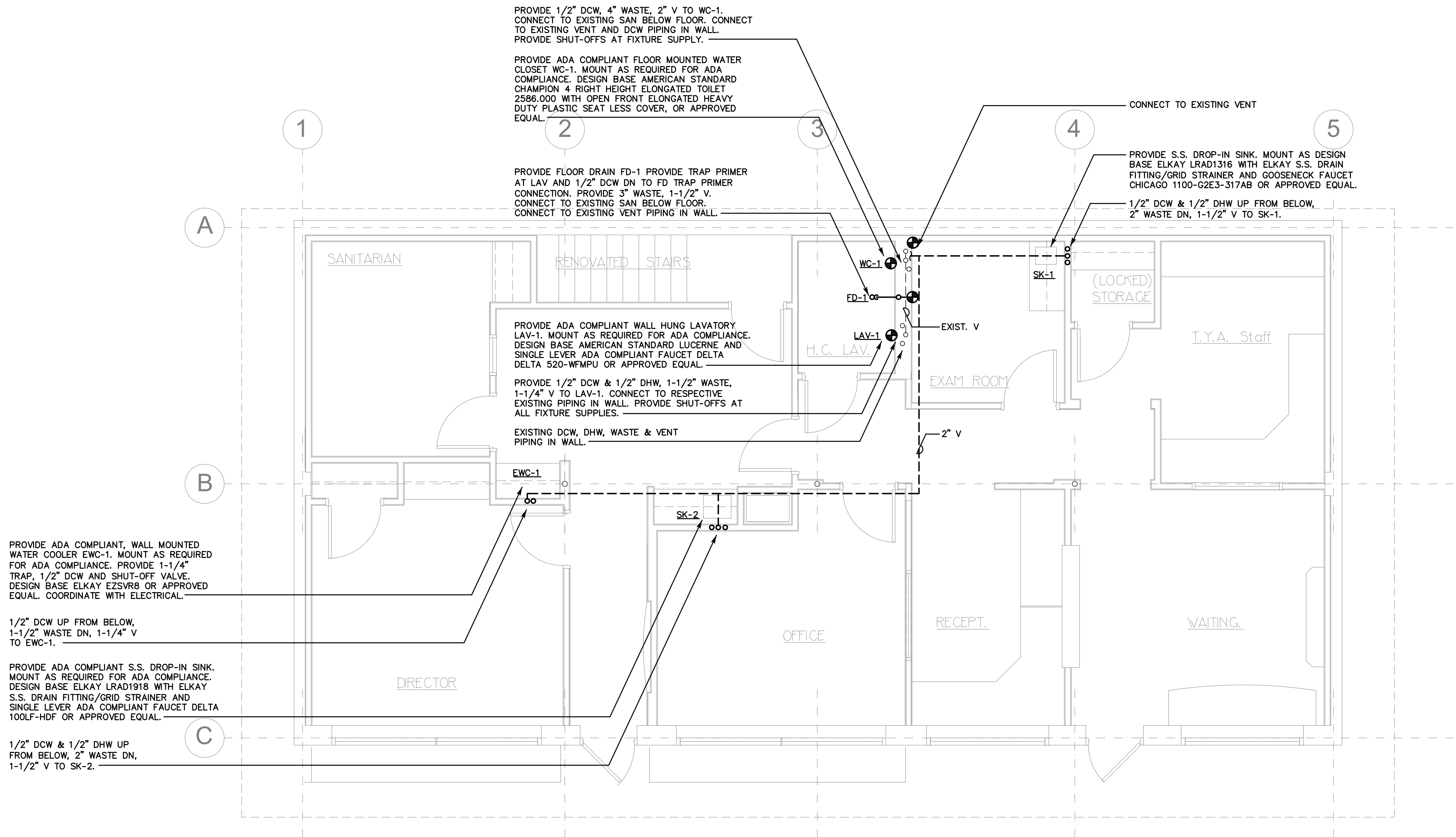
Town of Trumbull

Park Ranger
Renovations
326 White Plains Road

JOB NO: 51877.00
CADD NO: TRUMBULL P.R./P.01
FILE NO:

**BASEMENT
PLUMBING PLAN**

SCALE: AS NOTED
DRAWING NO: P.01
DATE: APRIL 17, 2015



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

EXISTING CONDITIONS NOTE:

THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND/OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

PLUMBING FIXTURE NOTE:

CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLUMBING FIXTURES INDICATED ON PLANS. INSTALL PER MANUFACTURER'S REQUIREMENTS AND CURRENT CODES AND STANDARDS. PROVIDE ALL PIPING, VALVES AND ACCESSORIES AS REQUIRED FOR FULL AND PROPER INSTALLATION. PROVIDE FULL PORT BALL VALVE SHUT-OFFS (FULL SIZE OF PIPE) AT ALL FIXTURE SUPPLY BRANCHES AND PROPOSED BRANCHES AT MAINS. CONNECT TO EXISTING PIPING OF RESPECTIVE TYPE AND OF EQUAL SIZE OR GREATER WHERE APPLICABLE. PROVIDE TYPE L COPPER DOMESTIC WATER PIPING, CHROME PLATED BRASS SINK WASTE. PROVIDE ALL CLEANOUTS REQUIRED BY CODE. PROVIDE FIXTURE CARRIERS. PROVIDE ESCUTCHEONS AT PIPING PENETRATIONS. INSULATE ALL PIPING. COORDINATE ROUTING WITH EXISTING CONDITIONS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.

- PLUMBING GENERAL NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
 2. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
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 4. CONTRACTOR SHALL PROVIDE CLEANOUTS FOR PROPOSED SANITARY PIPING AS REQUIRED PER CURRENT APPLICABLE CODES AND STANDARDS. TYPICAL.
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 6. PROVIDE GAS REGULATORS AS REQUIRED ON ALL NATURAL GAS SERVICES.
 7. INSULATE SUPPLIES AND WASTE FOR ALL ADA COMPLIANT FIXTURES WITH HANDI-LAV GUARD BY TRUEBRO OR EQUAL.
 8. PROVIDE FIXTURE CARRIERS FOR WALL MOUNTED FIXTURES. TYPICAL.
 9. TRIP LEVERS/FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF ALL ADA COMPLIANT WATER CLOSETS.
 10. INSULATE ALL PROPOSED PIPING THROUGHOUT. TYPICAL.
 11. FIRESTOP ALL THRU WALL, FLOOR AND CEILING PENETRATIONS. SEE DETAILS. TYPICAL.
 14. PROTECT PIPING FROM FREEZING WHERE CONDITIONS WARRANT. ROUTE PIPING IN HEATED SPACE WHEREVER POSSIBLE. COORDINATE WITH ARCHITECT. TYPICAL.
 15. PROVIDE 1/2" DCW TO FURNACE HUMIDIFIER. PROVIDE IAZB PREVENTOR ON DCW TO HUMIDIFIER.

MECHANICAL EQUIPMENT CONDENSATE NOTE:

PROVIDE CONDENSATE DRAINAGE PIPING FROM PROPOSED MECHANICAL FURNACE PER MFG REQUIREMENTS AND RECOMMENDATIONS. COORDINATE EXACT REQUIREMENTS AND ROUTING WITH MECHANICAL.

NATURAL GAS-FIRED MECHANICAL EQUIPMENT NOTE:

PROVIDE NG BRANCH PIPING TO PROPOSED GAS-FIRED MECHANICAL EQUIPMENT PER MFG(S) REQUIREMENTS AND RECOMMENDATIONS AND CURRENT CODES AND STANDARDS. PROVIDE ALL VALVES INCLUDING PRESSURE REDUCING VALVES, FITTINGS AND ACCESSORIES AS REQUIRED FOR PROPER INSTALLATION. COORDINATE WITH MECHANICAL.

NO.	DATE	REVISIONS

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APPROVED BY:

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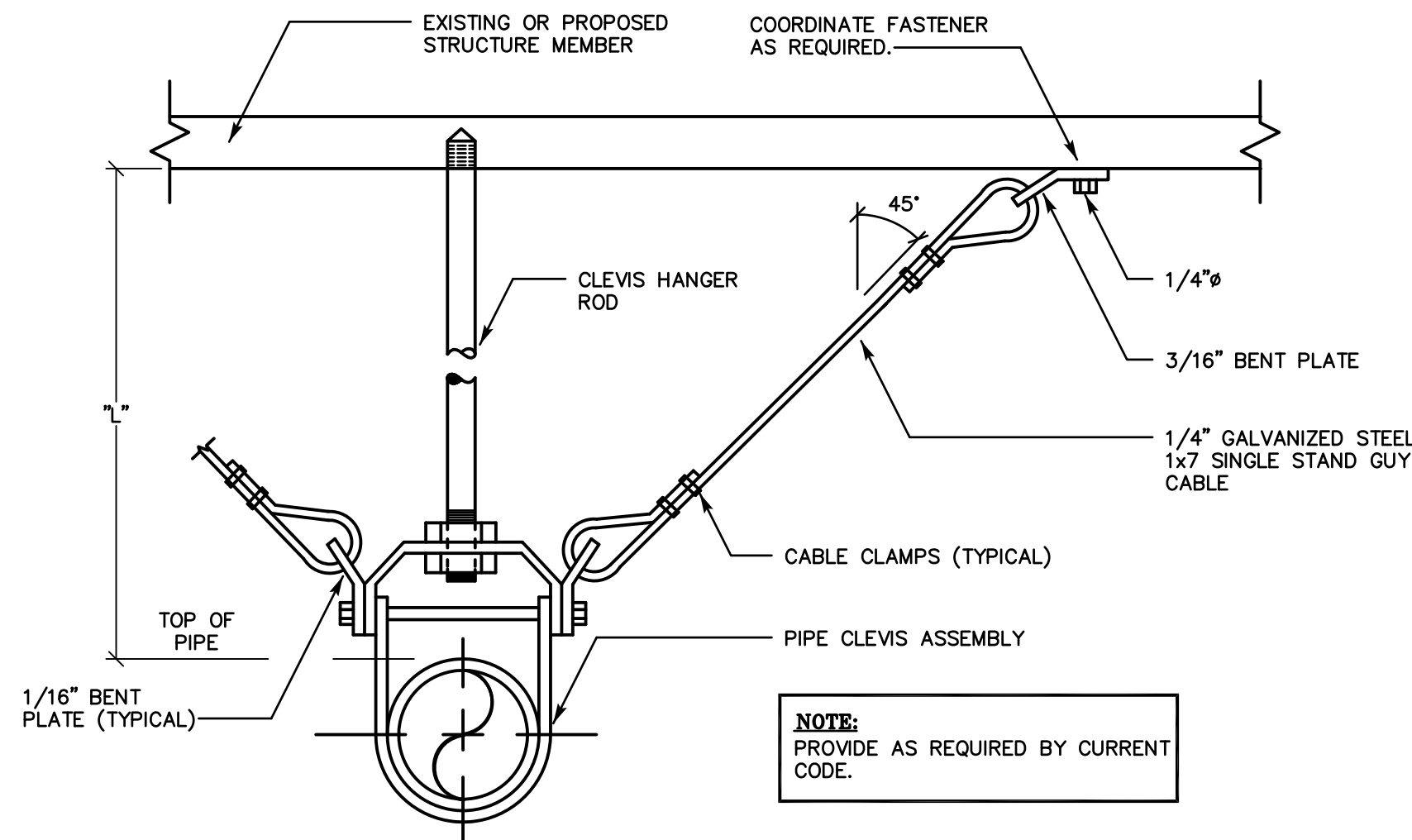
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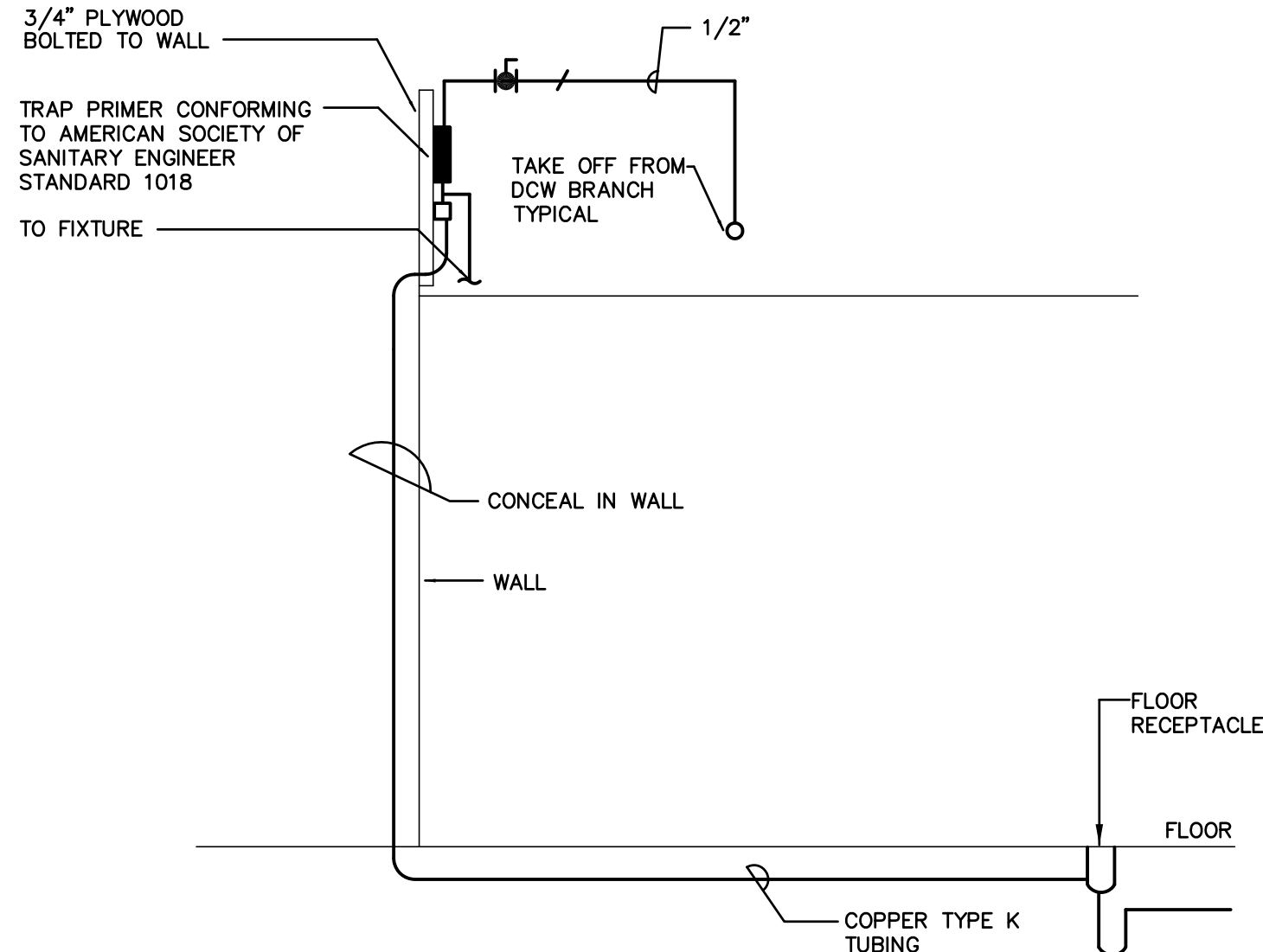
JOB NO: 51877.00
CADD NO: TRUMBULL P.R./P.02
FILE NO:

**GROUND LEVEL
PLUMBING PLAN**

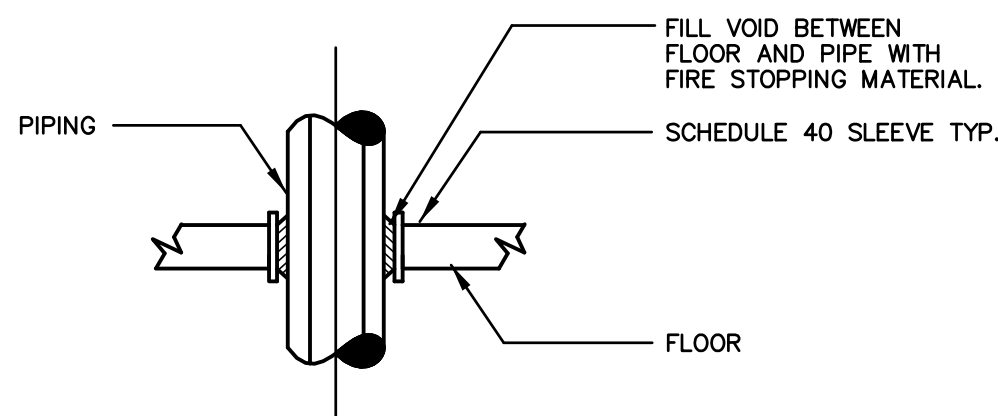
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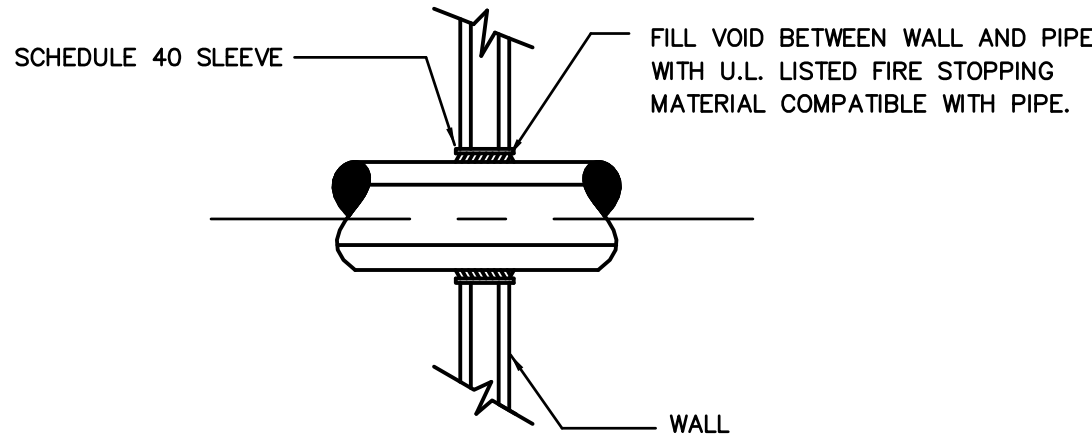
**TYPICAL SEISMIC RESTRAINT
ASSEMBLY OF SUSPENDED PIPING**
SCALE: N.T.S.



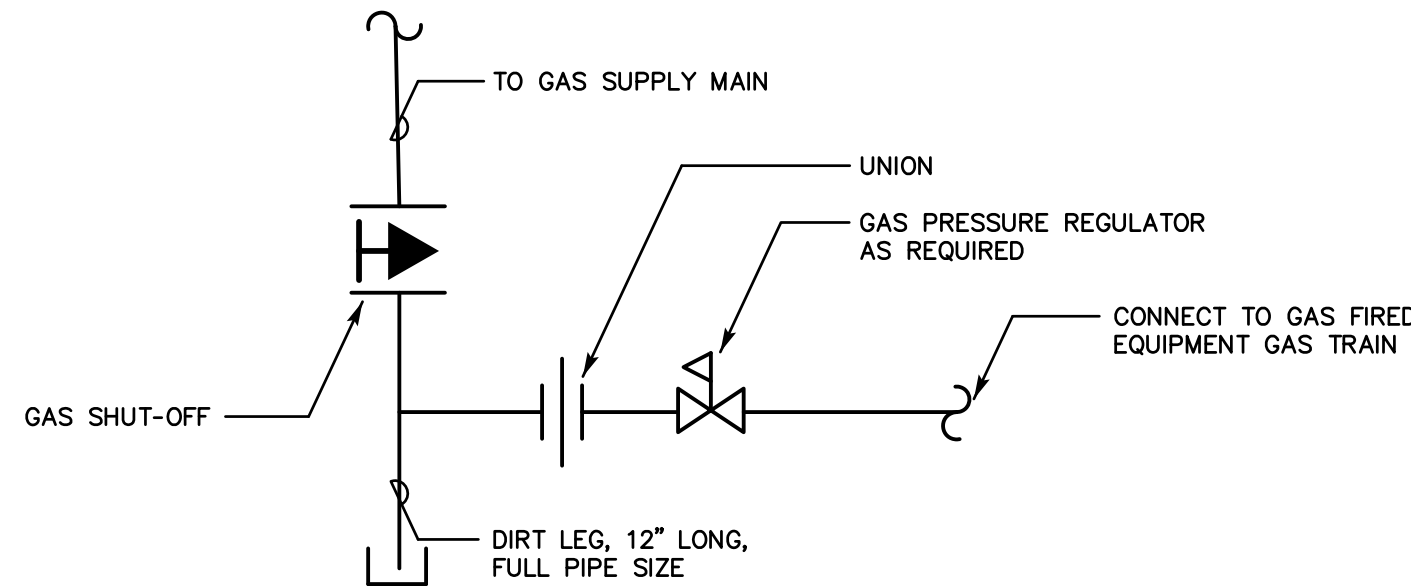
TYPICAL TRAP PRIMER DETAIL
SCALE: N.T.S.



**TYPICAL FLOOR
PIPE PENETRATION DETAIL**
SCALE: N.T.S.



**TYPICAL WALL
PIPE PENETRATION DETAIL**
SCALE: N.T.S.



**TYPICAL CONNECTION TO
GAS FIRED EQUIPMENT**
SCALE: N.T.S.

PLUMBING SYMBOL LIST	
	PIPE ELBOW, TURNED UP
	PIPE ELBOW, TURNED DOWN
	DOMESTIC COLD WATER SUPPLY PIPING
	DOMESTIC HOT WATER SUPPLY PIPING
	NATURAL GAS PIPING
	SANITARY VENT PIPING
	PIPING TO BE PROVIDED
	CLEAN OUT
	FLOOR DRAIN
	TRAP PRIMER

PLUMBING ABBREVIATIONS	
C.O.	CLEANOUT
DCW	DOMESTIC COLD WATER SUPPLY
DHW	DOMESTIC HOT WATER SUPPLY
DN	DOWN
FD	FLOOR DRAIN
LAV	LAVATORY
NG	NATURAL GAS
NTS	NOT TO SCALE
SAN	SANITARY
TYP	TYPICAL

- ### PLUMBING GENERAL NOTES
- PROVIDE FIXTURE SHUT-OFF VALVES AND P-TRAPS FOR ALL FIXTURES PROVIDED. PROVIDE SANITARY, VENT AND DOMESTIC WATER PIPING AS REQUIRED FOR ALL FIXTURES PROVIDED.
 - REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND DETAILS, NOTING LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS AND OTHER SURFACES ARE FURRED, LOCATION OF PIPE SLEEVES, LOCATIONS OF PIPE SHAFTS AND CONFLICTS WITH WORK OF OTHER TRADES AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. REQUIRED TO MEET SUCH CONDITIONS.
 - DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, FITTINGS, VALVES, DRAINS, ETC. MAY NOT BE INDICATED.
 - ALL PIPING PASSING THROUGH FIRE RATED WALLS SHALL BE PROVIDED WITH SCHEDULE 40 STEEL PIPE SLEEVES AND SPACE BETWEEN EXTERIOR OF PIPE AND INTERIOR OF PIPE SLEEVE PACKED WITH A FIRE RATED MATERIAL EQUAL TO THE RATING OF THE WALL.
 - UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
 - CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
 - THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY."
 - WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
 - ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
 - CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE SLOPE AND ANCHORAGE.
 - BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED:
 - BUILDING CODE
 - CONNECTICUT SUPPLEMENT
 - INTERNATIONAL MECHANICAL CODE
 - ASTM & ANSI STANDARDS.
 - INTERNATIONAL PLUMBING CODE
 - FIRE SAFETY CODE
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGED DURING CONSTRUCTION.
 - CONTRACTOR TO CONFIRM PIPE LOCATIONS, ELEVATIONS, AND SIZES BEFORE ANY WORK IS STARTED.
 - PROVIDE WATER SERVICE SHUT OFF VALVES ON WATER SUPPLY IMMEDIATELY ADJACENT TO PLUMBING FIXTURES.
 - PROVIDE SEISMIC BRACING OF ALL PLUMBING PIPES PER THE CONNECTICUT BUILDING CODE.
 - PROVIDE WATER HAMMER ARRESTERS FOR ALL FLUSH VALVES. SIZE AND LOCATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
 - ALL PIPES THAT PENETRATE WALLS, FLOORS AND CEILINGS IN FINISHED AREAS SHALL RECEIVE CHROME PLATED METAL ESCUTCHEONS.
 - ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
 - ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK.
 - SUPPORT FROM CONSTRUCTION ABOVE, AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING MAXIMUM HEADROOM AT ALL TIMES.
 - PROVIDE CLEANOUTS PER PLUMBING CODE.
 - ISLE AND CORRIDOR WAYS THROUGH CONSTRUCTION AREAS WHICH ARE REQUIRED FOR EGRESS (NORMAL OR EMERGENCY) SHALL BE KEPT CLEAR OF MATERIAL, EQUIPMENT, & DEBRIS.

NO.	DATE	REVISIONS

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APPROVED BY:

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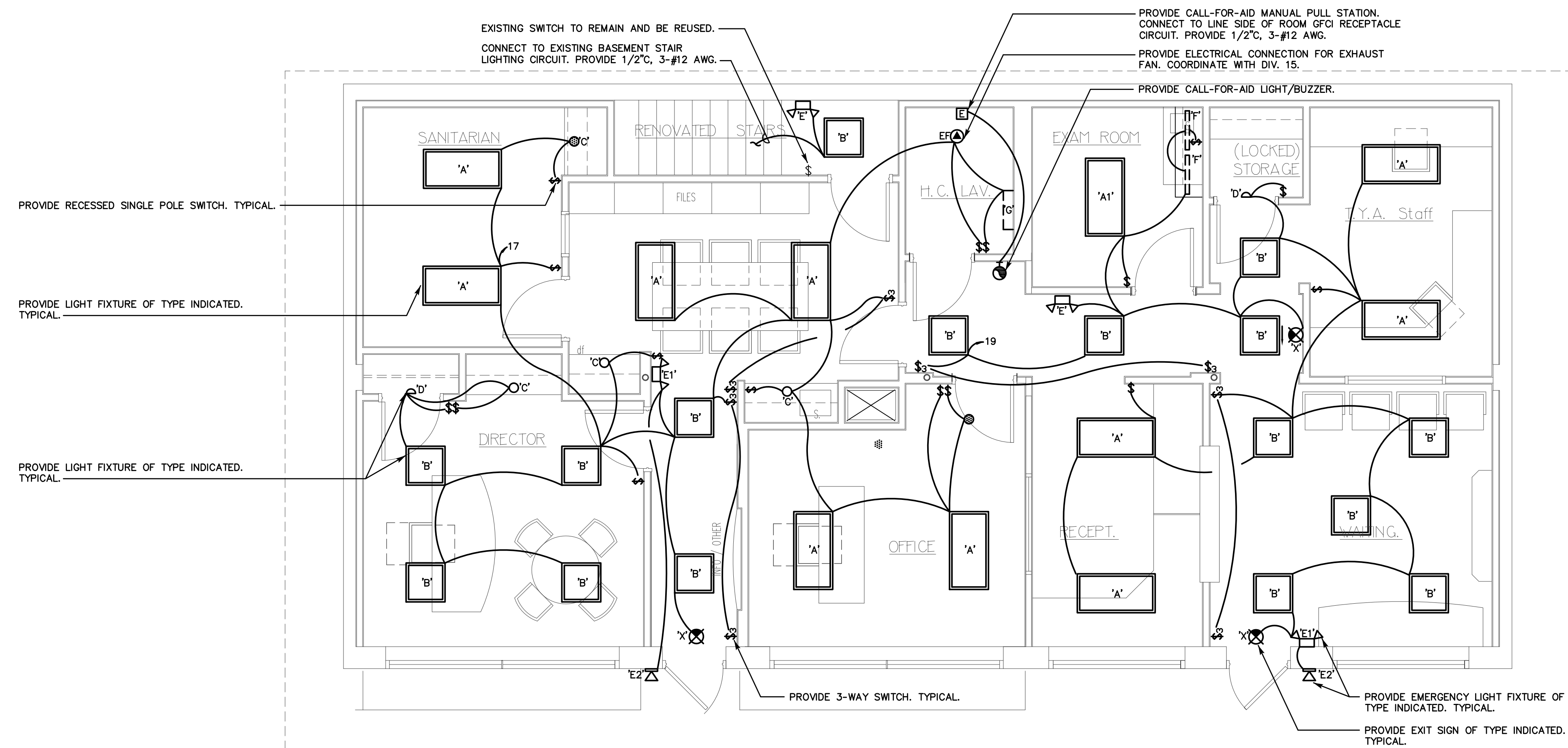
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326 White Plains Road

JOB NO: 51877.00
CADD NO: TRUMBULL P.R./P.03
FILE NO:

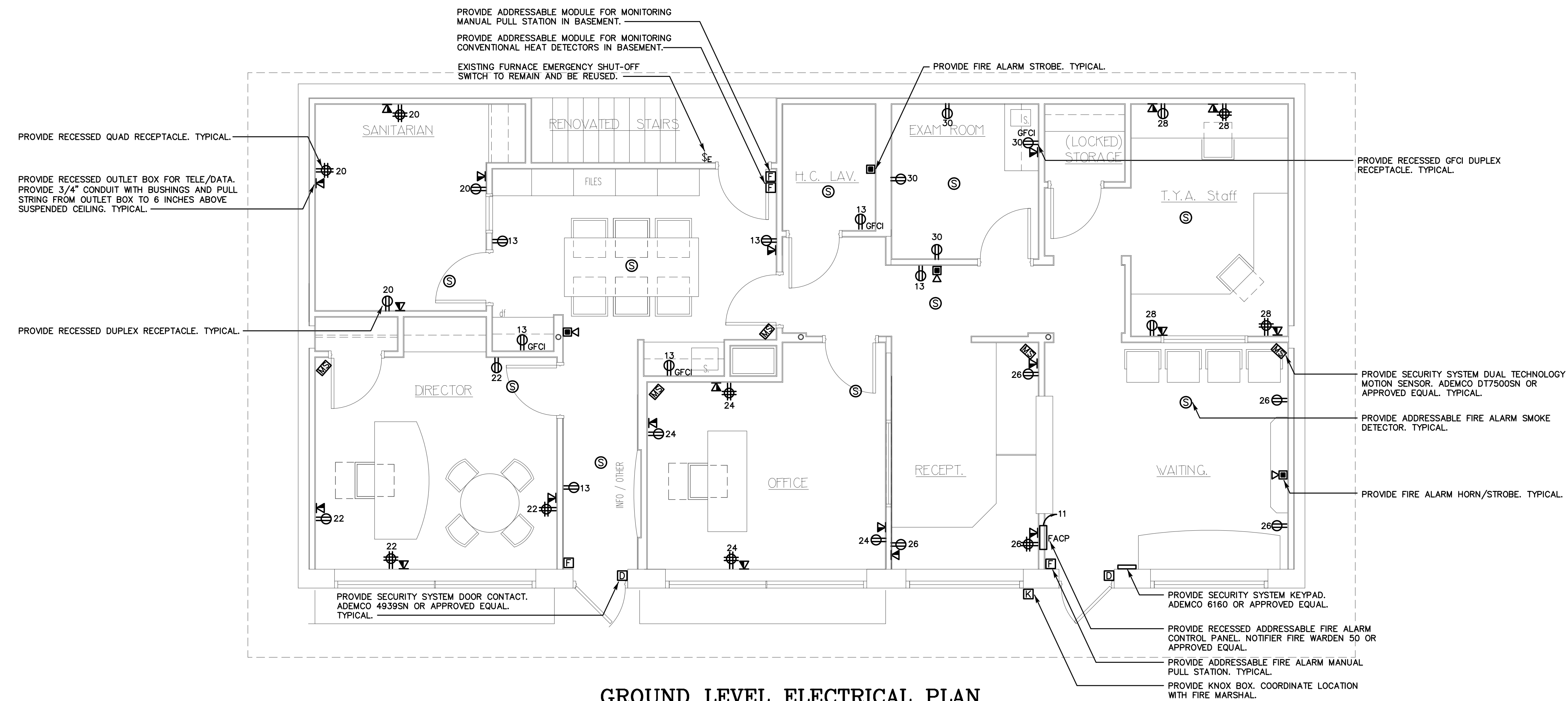
PLUMBING DETAILS
NOTES AND
ABBREVIATIONS

SCALE: AS NOTED DRAWING NO:
DATE: APRIL 17, 2015 P.03



GROUND LEVEL LIGHTING PLAN

SCALE: 1/4"=1'-0"



GROUND LEVEL ELECTRICAL PLAN

SCALE: 1/4"=1'-0"

NO.	DATE	REVISIONS

DESIGNED BY: FB
DRAWN BY: FB
CHECKED BY: JAS
APPROVED BY:

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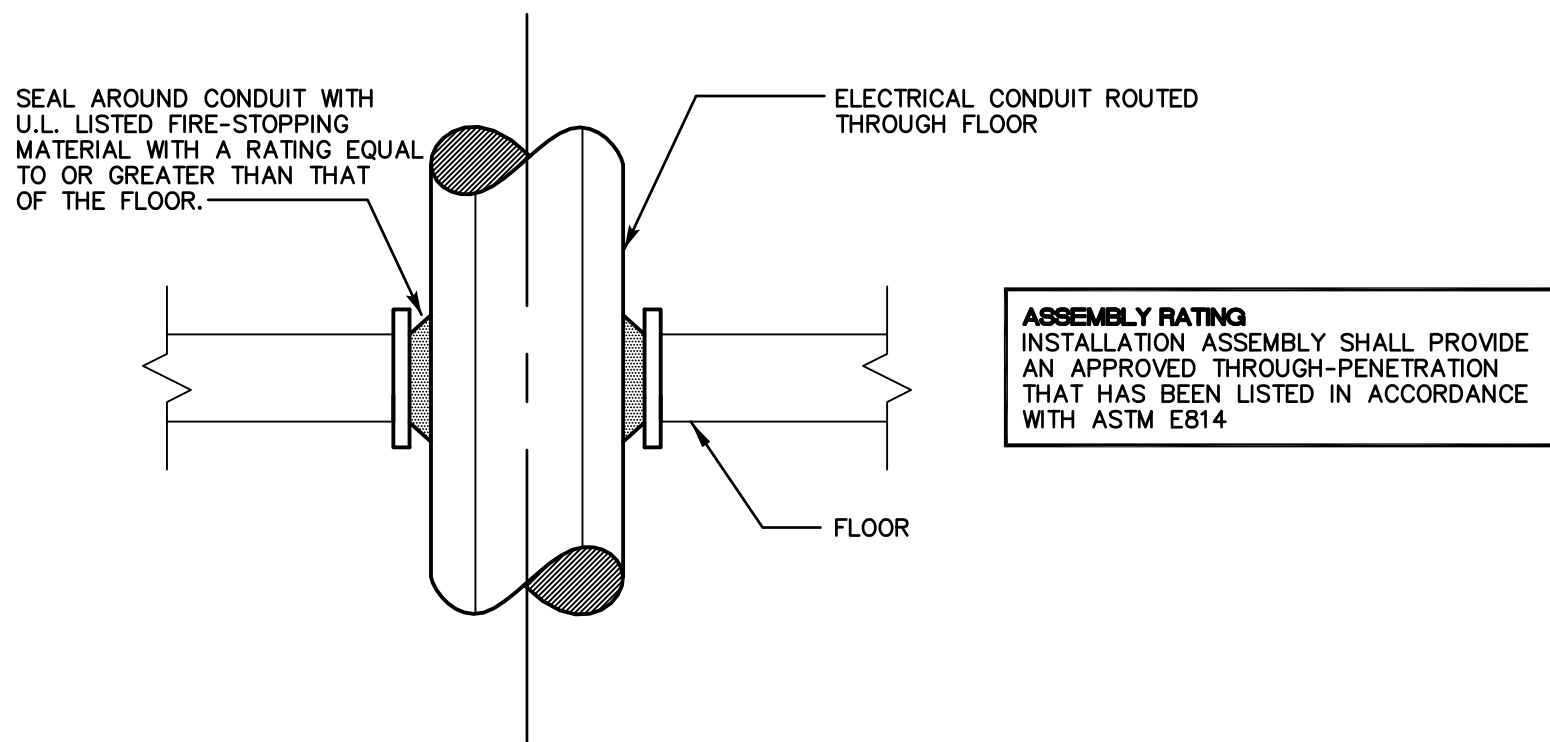
Town of Trumbull

Park Ranger
Renovations
326 White Plains Road

JOB NO: 51877.00
CADD NO: TRUMBULL P.R./E.02
FILE NO:

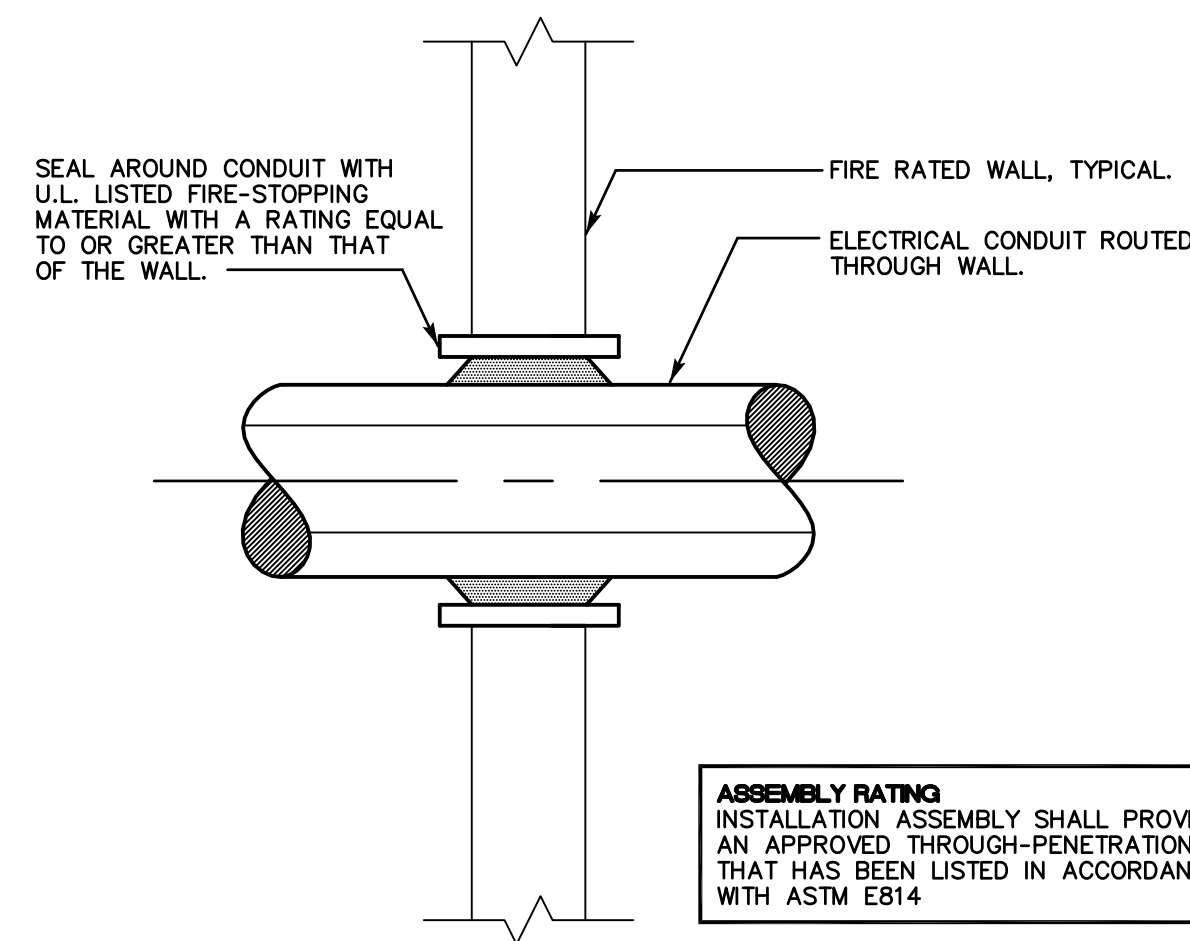
GROUND LEVEL ELECTRICAL PLAN

SCALE: AS NOTED
DRAWING NO: E.02
DATE: APRIL 17, 2015



TYPICAL CONDUIT FLOOR PENETRATION DETAIL

SCALE: N.T.S.



TYPICAL CONDUIT WALL PENETRATION DETAIL

SCALE: N.T.S.

PANELBOARD EP		Class: EXISTING Type: EXISTING		Short Circuit Rating (Min.): EXISTING Remark:			
SERVICE		120/240 Volts 1 Phase 3 Wire			S/E Label: EXISTING		
PANELBOARD CONFIGURATION		200 AMPERE MAIN BUS Trim: SURFACE			Entrance: EXISTING Equipment Ground Bus: EXISTING		
MAIN		Type: MLO Wire Size: EXISTING					
BRANCH CIRCUITS		Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS)					

Circ No	Circuit Designation	KVA Load	Pole	Trip Amps	Frame Amps	Wire (min.)	See Remark
1	EXISTING	-	1	20	100	EXISTING	
2	EXISTING	-	1	20	100	EXISTING	
3	EXISTING	-	1	30	100	EXISTING	
4	EXISTING	-	1	20	100	EXISTING	
5	EXISTING	-	1	20	100	EXISTING	
6	EXISTING	-	1	20	100	EXISTING	
7	EXISTING	-	1	20	100	EXISTING	
8	EXISTING	-	1	20	100	EXISTING	
9	EXISTING	-	1	20	100	EXISTING	
10	EXISTING	-	1	20	100	EXISTING	
11	FIRE ALARM SYSTEM	0.6	1	20	100	1/2"C, 3-#12 AWG	'A'
12	SECURITY SYSTEM	0.4	1	20	100	1/2"C, 3-#12 AWG	'A'
13	RECEPT FILES/GFGI RR/CFA/DF	1.6	1	20	100	1/2"C, 3-#12 AWG	
14	EXISTING	-	1	20	100	EXISTING	
15	TRANSFORMERS FOR GF-1	0.1	1	15	100	1/2"C, 3-#12 AWG	
16	EXISTING	-	1	20	100	EXISTING	
17	LTG OFFICES/FILE RM	1.7	1	20	100	1/2"C, 3-#12 AWG	
18	EXISTING	-	1	20	100	EXISTING	
19	LTG RECPTN/WAITING/EXAM/TYA	1.6	1	20	100	1/2"C, 3-#12 AWG	
20	RECEPT SANITARIAN OFFICE	1.2	1	20	100	1/2"C, 3-#12 AWG	
21	EXISTING	-	1	20	100	EXISTING	
22	RECEPT DIRECTOR OFFICE	1.2	1	20	100	1/2"C, 3-#12 AWG	
23	EXISTING	-	1	20	100	EXISTING	
24	RECEPT MIDDLE OFFICE	1.2	1	20	100	1/2"C, 3-#12 AWG	
25	EXISTING	-	1	20	100	EXISTING	
26	RECEPT RECEPTION/WAITING	1.2	1	20	100	1/2"C, 3-#12 AWG	
27	CDU-1	8.6	2	60	100	3/4"C, 2-#8 AWG + #10 GND	
28	RECEPT TYA STAFF AREA	1.2	1	20	100	1/2"C, 3-#12 AWG	
29	- - -	-	-	-	-	- - -	
30	RECEPT EXAM RM	0.8	1	20	100	1/2"C, 3-#12 AWG	
TOTAL KVA:		-					

NOTE: CONTRACTOR SHALL VERIFY CIRCUIT AVAILABILITY UPON DEMOLITION OF EXISTING CIRCUITS AND ADJUST PROPOSED CIRCUITS ACCORDINGLY.
'A' PROVIDE LOCK-OUT.

LIGHT FIXTURE SCHEDULE

LTG. CODE	DESCRIPTIONS	VOLTS	CATALOG NO./MANUFACTURER	MOUNTING	LAMP (G.E. OR EQUAL)
'A'	2'X4" GRID RECESSED 3 LAMP FLUORESCENT LENSED TROFFER. 80% EFFICIENT, ONE PIECE HOUSING, SLIMLINE STEEL DOOR FRAME, SPRING LOADED LATCHES, VIRGIN ACRYLIC LENS. INSTANT START 3 LAMP ELECTRONIC BALLAST LESS THAN 10% THD. UL LISTED.	UNV	SPS2GFSVA332-UNVH3 PHILIPS DAYBRITE	RECESSED/CEILING	(3) 32W T8
'A1'	2'X4" GRID RECESSED 4 LAMP FLUORESCENT LENSED TROFFER. 80% EFFICIENT, ONE PIECE HOUSING, SLIMLINE STEEL DOOR FRAME, SPRING LOADED LATCHES, VIRGIN ACRYLIC LENS. INSTANT START 4 LAMP ELECTRONIC BALLAST LESS THAN 10% THD. UL LISTED.	UNV	SPS2GFSVA432-UNVH4 PHILIPS DAYBRITE	RECESSED/CEILING	(4) 32W T8
'B'	2'X2" GRID RECESSED 2 LAMP FLUORESCENT LENSED TROFFER. 70% EFFICIENT, ONE PIECE HOUSING, SLIMLINE STEEL DOOR FRAME, SPRING LOADED LATCHES, VIRGIN ACRYLIC LENS. INSTANT START 2 LAMP ELECTRONIC BALLAST LESS THAN 10% THD. UL LISTED.	UNV	SPS2GFSVA26U-UNVH1 PHILIPS DAYBRITE	RECESSED/CEILING	(2) 32W 6" U T8
'C'	6" COMPACT FLUORESCENT DOWNLIGHT. HORIZONTAL LAMP ORIENTATION, ALUMINUM ONE PIECE REFLECTOR, SEMI-SPECULAR CLEAR FINISH, SELF FLANGED, UNIVERSAL MOUNTING FRAME. ELECTRONIC BALLAST. UL LISTED.	UNV	CD6126-E-6CG1421-H-WF COOPER LTG PORTIFOLIO	RECESSED/CEILING	(1) 26W CFL
'D'	KEYLESS COMPACT FLUORESCENT LAMP HOLDER. IMPACT RESISTANT THERMOPLASTIC HOUSING. CLEAR POLYCARBONATE GUARD. UL LISTED.	120	9860-LHG LEVITON	SURFACE/WALL	(1) 13W CFL
'E'	FULLY ADJUSTABLE DUAL HEAD EMERGENCY LIGHT FIXTURE WITH MAINTENANCE FREE SEALED LEAD ACID BATTERY BACKUP. WHITE FINISH. UL LISTED.	120	CTX6 PHILIPS CHLORIDE	SURFACE/WALL	(2) 5.4W TUNGSTEN
'E1'	FULLY ADJUSTABLE DUAL HEAD EMERGENCY LIGHT FIXTURE WITH MAINTENANCE FREE SEALED LEAD ACID BATTERY BACKUP. 6W REMOTE CAPACITY. WHITE FINISH. UL LISTED.	120	CTX618R PHILIPS CHLORIDE	SURFACE/WALL	(2) 5.4W TUNGSTEN
'E2'	SINGLE HEAD REMOTE EMERGENCY LIGHT FIXTURE. GASKETED FOR OUTDOOR USE. WHITE FINISH. CONNECT TO ADJACENT TYPE 'E1' FIXTURE.	-	ST66WG PHILIPS CHLORIDE	SURFACE/WALL	(1) 6W TUNGSTEN
'F'	24" LOW PROFILE UNDERCABINET LIGHT. T5 FLUORESCENT LAMPING. CLEAR BOTTOM WITH TRANSLUCENT FRONT LENS. ELECTRONIC BALLAST. WHITE FINISH. UL LISTED.	120	5UC114-D-120-1/1-EB-LPT835 PHILIPS DAY-BRITE	SURFACE/UNDERCABINET	(1) 14W T5
'G'	24" LOW PROFILE VANITY LIGHT. TWO LAMP T5 FLUORESCENT LAMPING. SMOOTH OPAL ACCRYLIC DIFFUSER. ELECTRONIC BALLAST. WHITE FINISH. UL LISTED.	UNV	CSW224-UNVHI-ZO PHILIPS DAY-BRITE	SURFACE/WALL	(2) 14W T5
'X'	EXIT SIGN WITH 90 MINUTE BATTERY BACK-UP. WHITE THERMOPLASTIC HOUSING WITH RED LETTERING. LED LAMPING. NI-CAD BATTERY. SURGE AND BROWN-OUT PROTECTION. LOW VOLTAGE DISCONNECT, CONSTANT CURRENT CHARGE. UL LISTED.	120	VXL3RWEM PHILIPS CHLORIDE	UNIVERSAL	LED
NOTES:					

ELECTRICAL GENERAL NOTES

- PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
- ELECTRICAL PLANS AND DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS AND ADDITIONAL PULL AND JUNCTION BOXES.
- ALL EQUIPMENT AND MATERIAL SHALL BE LABELED, LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
- ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
- THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2011 CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
- THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS AND RELATED ATTACHMENTS)".
- THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
- THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS".
- THE TERM "SPACE" ON PANELBOARD AND SWITCHBOARD SCHEDULES SHALL MEAN "PROVIDE SPACE TO INSTALL THE NUMBER OF POLES AND SIZE OF THE PROTECTIVE DEVICE INDICATED WITH ALL NECESSARY BUS AND FITTINGS TO INSTALL THE DEVICE AT SOME FUTURE DATE".
- ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
- COORDINATE ELECTRICAL WORK WITH OWNER.
- COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
- TURN OVER TO THE OWNER ALL MANUFACTURERS WARRANTIES FOR EQUIPMENT AND MATERIAL PROVIDED.
- UNLESS OTHERWISE INDICATED, ALL ELECTRICAL EQUIPMENT HAS BEEN BASED ON GENERAL ELECTRIC PRODUCTS.
- THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE.
- UNLESS OTHERWISE INDICATED, ALL ENCLOSURES FOR EQUIPMENT PROVIDED SHALL BE NEMA TYPE 1.
- UNLESS OTHERWISE INDICATED, ALL CONDUCTORS TO BE COPPER THHN/THWN-2.
- UNLESS OTHERWISE INDICATED, ALL OUTLET AND SWITCH BOXES TO BE CAST IRON WITH THREADED HUBS.
- IN INTERIOR PROTECTED LOCATIONS, OUTLET AND SWITCH BOXES MAY BE STEEL.
- UNLESS OTHERWISE INDICATED, PROVIDE HEAVY-DUTY GRADE, 20 AMPERE RECEPTACLES AND SWITCHES AND ASSOCIATED WALL PLATES. DEVICE AND WALL PLATES COLOR BY ARCHITECT/OWNER. PLATES FOR SURFACE MOUNTED INTERIOR BOXES IN UNFINISHED AREAS SHALL BE STAMPED STEEL. PLATES EXPOSED TO WEATHER OR WATER TO BE GASKETED, WEATHERPROOF TYPE.
- BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
- BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRIC CODE (NEC) ANSI/NFPA 70 WITH STATE OF CONNECTICUT AMENDMENTS.
- THE MEASUREMENT FROM ABOVE FINISHED FLOOR (AFF) SHALL BE TAKEN FROM THE FINISHED FLOOR SURFACE TO THE TOP OF WALL RECEPTACLES AND SWITCH BOXES, TO THE CENTER LINE OF WALL LIGHTING OUTLET BOXES, TO THE TOP OF WALL MOUNTED EQUIPMENT ENCLOSURES, TO THE CENTER LINE OF THE TOP MOST SWITCH HANDLE, OR TO THE LOWEST SURFACE OF CEILING LIGHTING FIXTURES OTHER CEILING MOUNTED EQUIPMENT.
- UNLESS OTHERWISE INDICATED, ALL CONDUCTORS ARE NO. 12 AWG.
- CONDUIT SIZE FOR INDICATED CONDUCTORS SHALL BE BASED ON CHAPTER 9 OF NEC.
- THE CONTRACTOR MAY GROUP BRANCH CIRCUIT HOME RUN CONDUCTORS IN A SINGLE RACEWAY IN ACCORDANCE WITH NEC ARTICLE 300-17, AND ARTICLE 310, NOTE 8 OF NOTES TO TABLES 310-16 THROUGH 310-19.
- ALL BLANK COVER PLATES TO BE STAINLESS STEEL.
- WALL SWITCH BOXES SHALL BE MOUNTED 48 INCHES A.F.F. RECEPTACLE AND TELE/ DATA OUTLET BOXS SHALL BE MOUNTED 18 INCHES A.F.F. UNLESS OTHERWISE NOTED ON CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL DRAWINGS.
- UNDERGROUND CONDUIT SHALL BE RIGID METAL CONDUIT (RMC) OR RIGID NON-EXPOSED EXTERIOR CONDUIT SHALL BE RMC. INTERIOR CONDUIT SHALL BE EMT. CONNECTION TO TRANSFORMERS AND VIBRATING EQUIPMENT SHALL BE FLEXIBLE METAL CONDUIT (FMC), MAXIMUM LENGTH 6 FEET. CONNECTION TO TRANSFORMERS AND VIBRATING EQUIPMENT IN EXTERIOR, WET OR DAMP LOCATIONS SHALL BE LIQUID-TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH OF 6 FEET.
- PROVIDE CONNECTION OF PROPOSED AND RELOCATED FIRE ALARM COMPONENTS TO EXISTING FIRE ALARM SYSTEM PER NFPA 72. PROVIDE ALL WIRING, CONDUIT, COMPONENTS, PROGRAMMING, ETC. REQUIRED. TEST SYSTEM WITH FIRE MARSHAL ONCE INSTALLATION IS COMPLETE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NFPA 70, 72 AND 101 CODE REQUIREMENTS WITH STATE OF CONNECTICUT AMENDMENTS.
- PROVIDE BUILDING ADDRESSABLE FIRE ALARM SYSTEM AND ALL ASSOCIATED WIRING, CONDUIT, DEVICES, COMPONENTS, PROGRAMMING, ETC. REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
- PROVIDE BUILDING SECURITY SYSTEM AND ALL ASSOCIATED WIRING, CONDUIT DEVICES, COMPONENTS, PROGRAMMING, ETC. REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

BD DOCUMENTS 04.17.2015
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ELECTRICAL NOTES,
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