

# GENERAL RENOVATIONS TO THE EAST HARTFORD SOUTH END SENIOR CENTER

BID No. 16-24 PROJECT #1 - BATHROOM RENOVATIONS  
BID No. 16-26 PROJECT #2 - ENTRANCE RENOVATIONS

csa project 15-50  
March 2, 2016

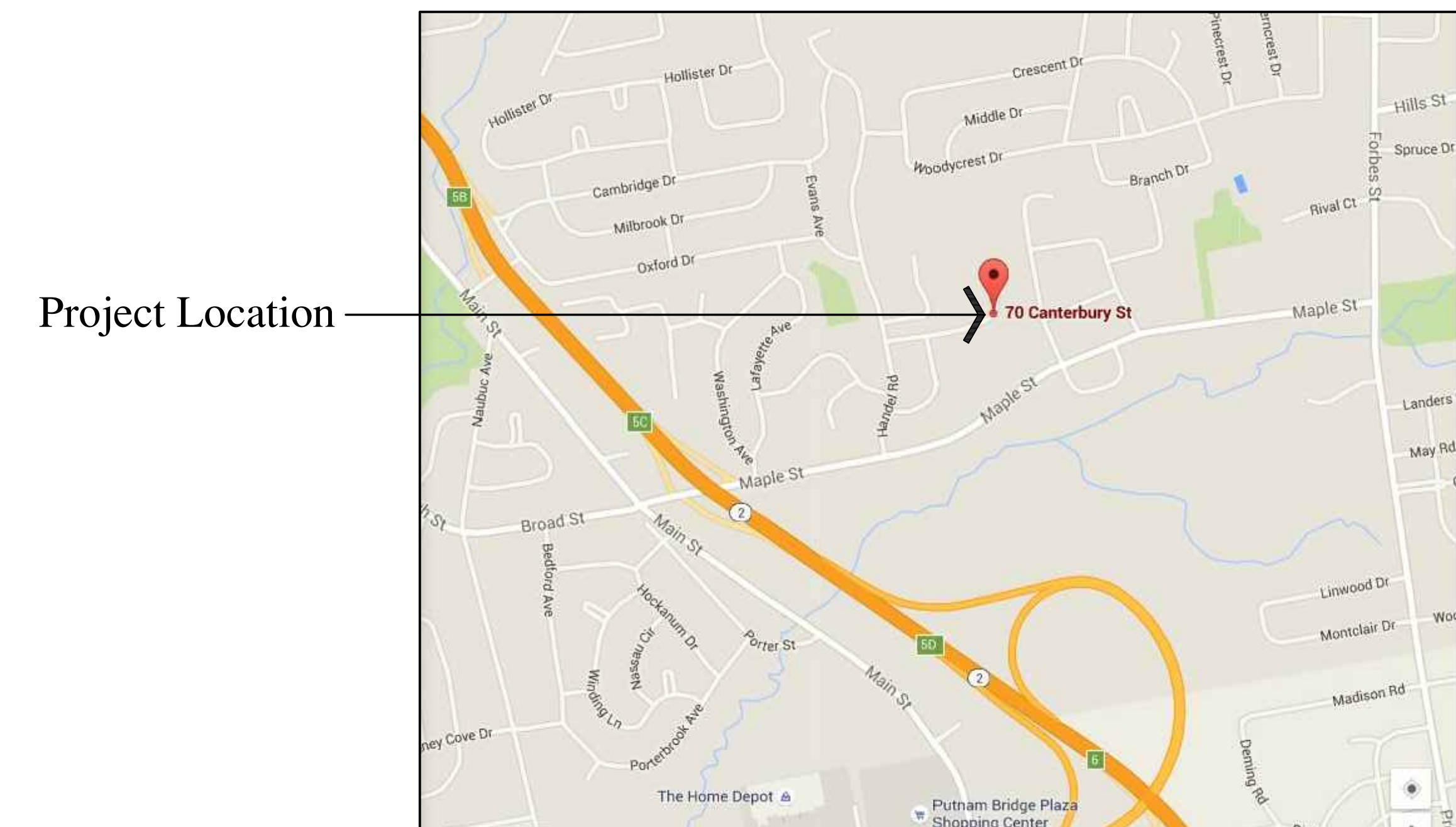
70 CANTERBURY STREET

EAST HARTFORD, CONNECTICUT 06118

## OWNERS

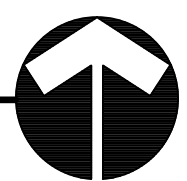
Ms. Marcia Leclerc- Mayor  
740 Main St  
East Hartford, CT 06108

Mr. Ted Fravel- Parks and Recreation Director  
50 Chapman Place  
East Hartford, CT 06108



## LOCATION PLAN

not to scale



## ARCHITECT

Capital Studio Architects, LLC  
1379 Main Street  
East Hartford, Connecticut 06108  
tel: 860.289.3262  
fax: 860.289.3163  
email: dholmes@capitalstudio.net

## M.E.P. ENGINEERS

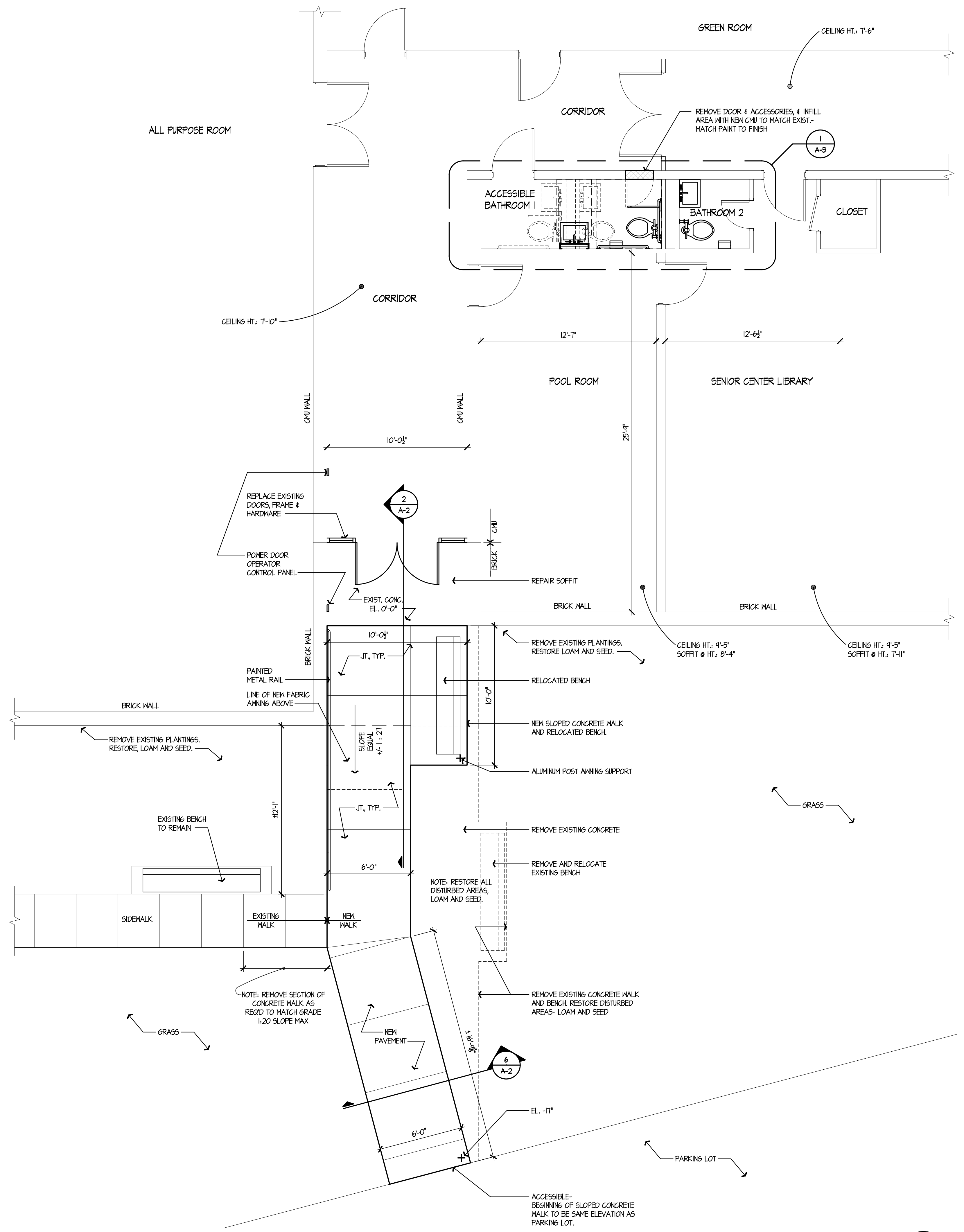
Progressive Engineering  
290 Burnside Avenue  
East Hartford, Connecticut 06108  
tel: 860.895.8385

## DRAWING LIST

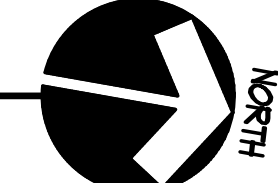
### TITLE SHEET

### ARCHITECTURAL:

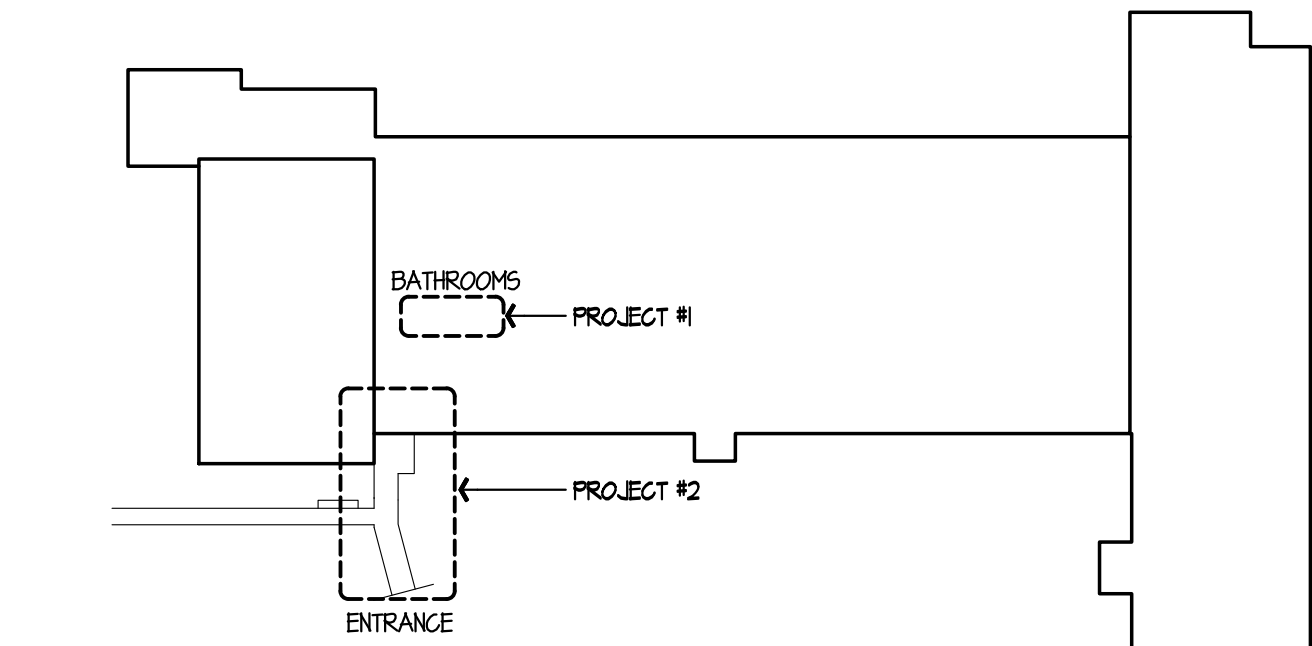
- A-1 Floor Plan
- A-2 Elevations, Sections, Roof Plan & Details
- A-3 Plans, Interior Elevations, & Schedules
- E-1 Electrical First Floor Part Plans
- E-2 Electrical First Floor Part Plan
- P-1 Plumbing First Floor Plans



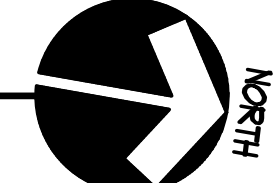
1  
A-1 PARTIAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



<b>PROJECT #1</b>	
SCOPE- RENOVATE EXISTING BATHROOMS TO PROVIDE ACCESSIBILITY BY COMBINING TWO EXISTING BATHROOMS AND RENOVATE THIRD BATHROOM, INCLUDING FIXTURES AND FINISHES.	
<b>PROJECT #2</b>	
ENTRANCE RENOVATIONS	
- NEW DOOR FRAME HARDWARE, GLAZING AND POWER OPERATOR	
- ENTRANCE SOFFIT REPAIRS.	
- REPLACE EXISTING WALKS.	
- REMOVE EXISTING PLANTINGS AND RESTORE AREAS WITH LOAM AND SEED.	
- NEW FABRIC AWNING ON ALUMINUM FRAMING SYSTEM (ALTERNATE).	
- RELOCATE EXISTING BENCH	



2  
A-1 KEY PLAN  
NOT TO SCALE



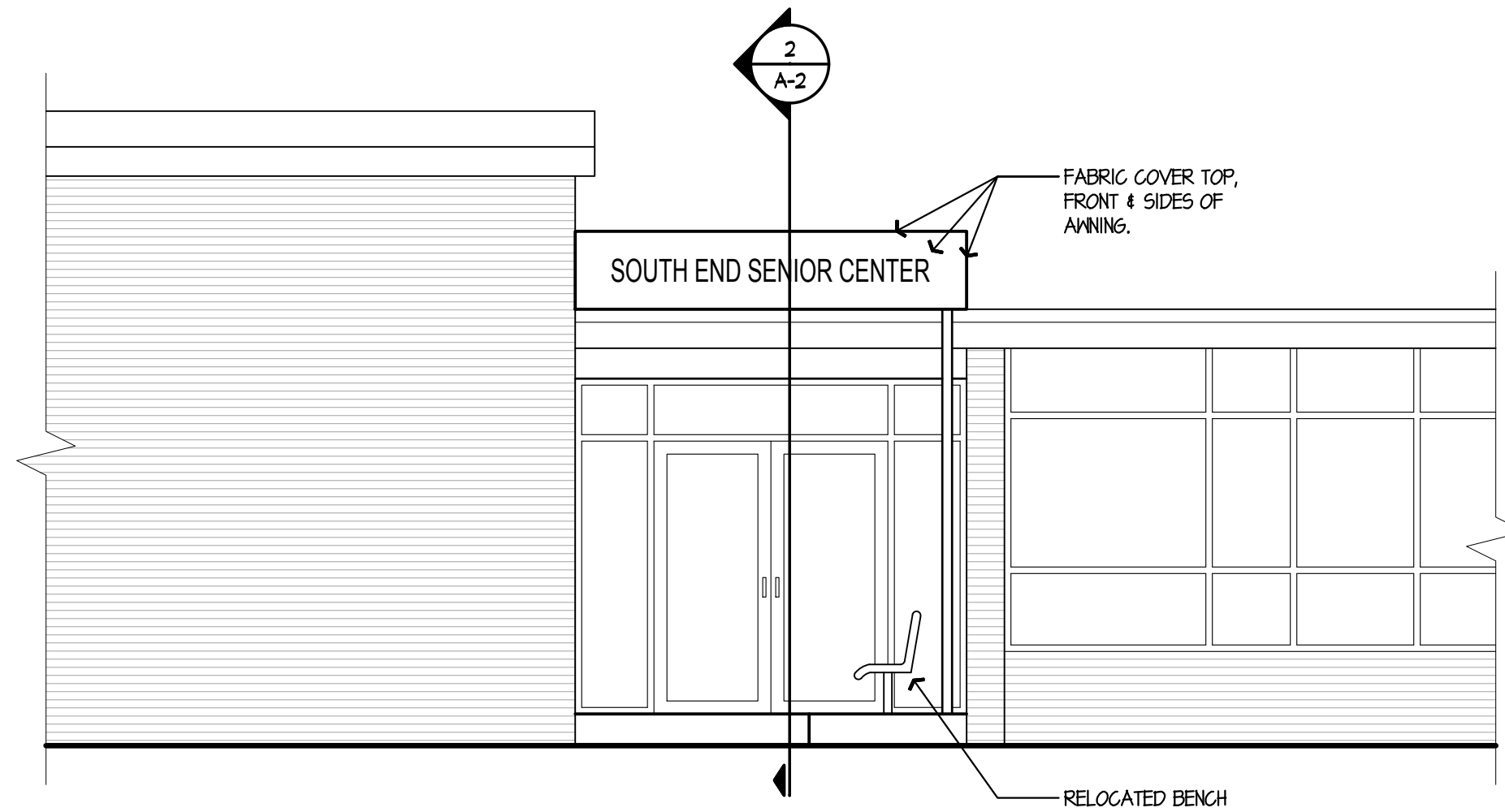
**General Renovations for the EAST HARTFORD SOUTH END SENIOR CENTER**  
70 Canterbury Street, East Hartford, CT

date	description	no.

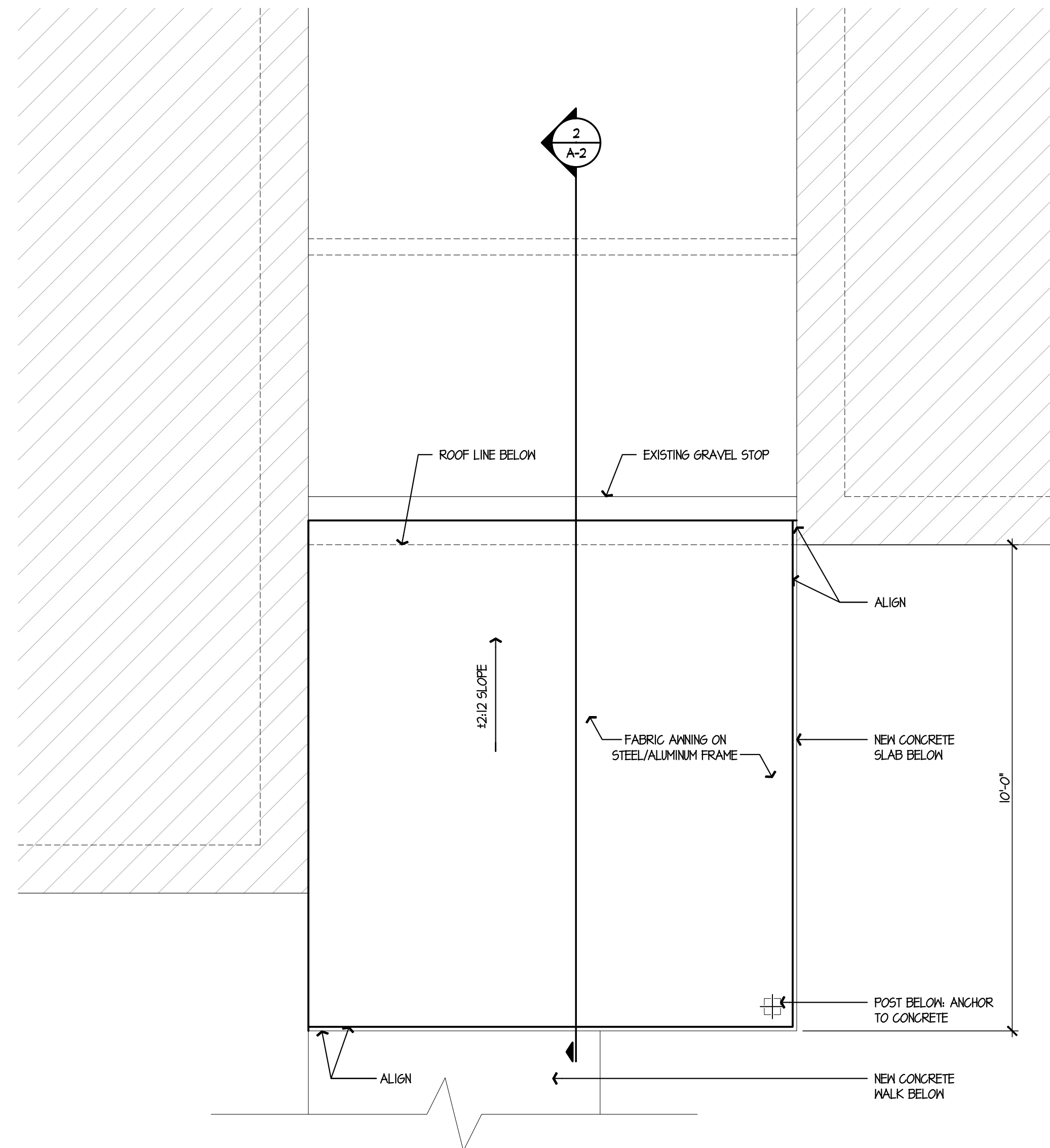
**FLOOR PLAN**

**A-1**

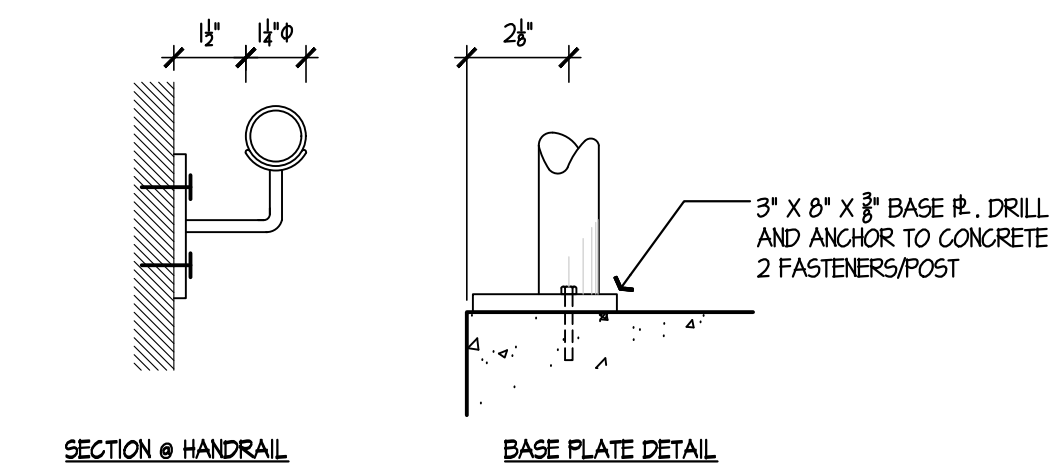
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drawn	DP
scale	AS NOTED
checked	DH
project no.	15-50



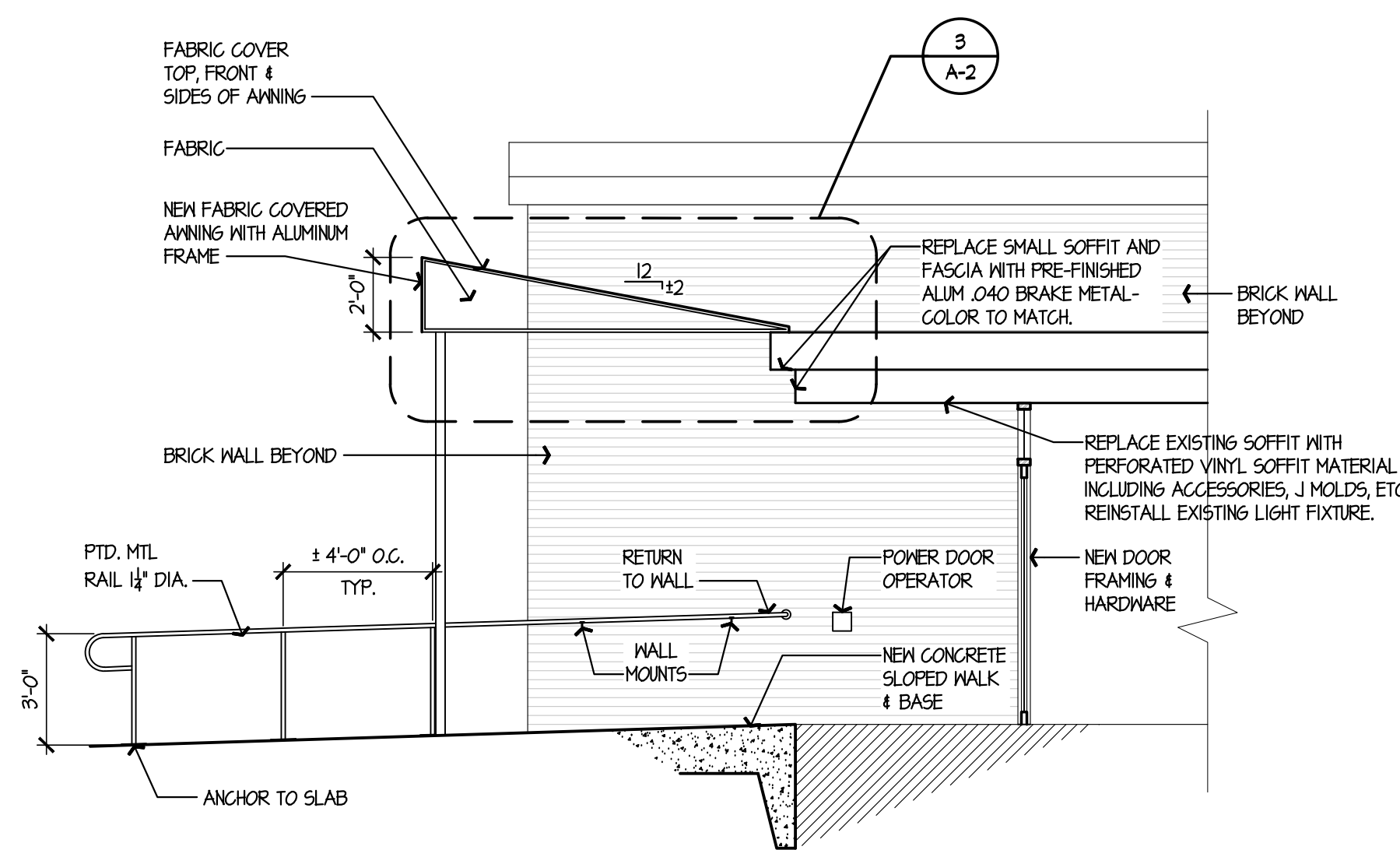
**1 PARTIAL EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



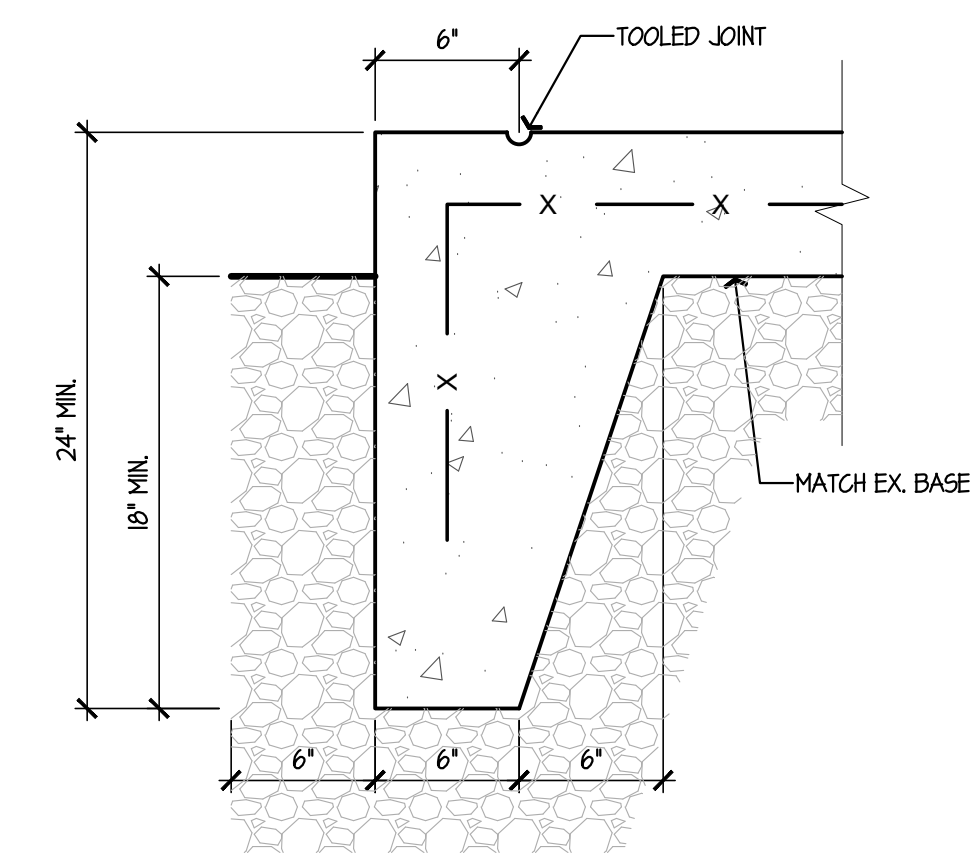
**4 AWNING ROOF PLAN**  
SCALE: 1/2" = 1'-0"



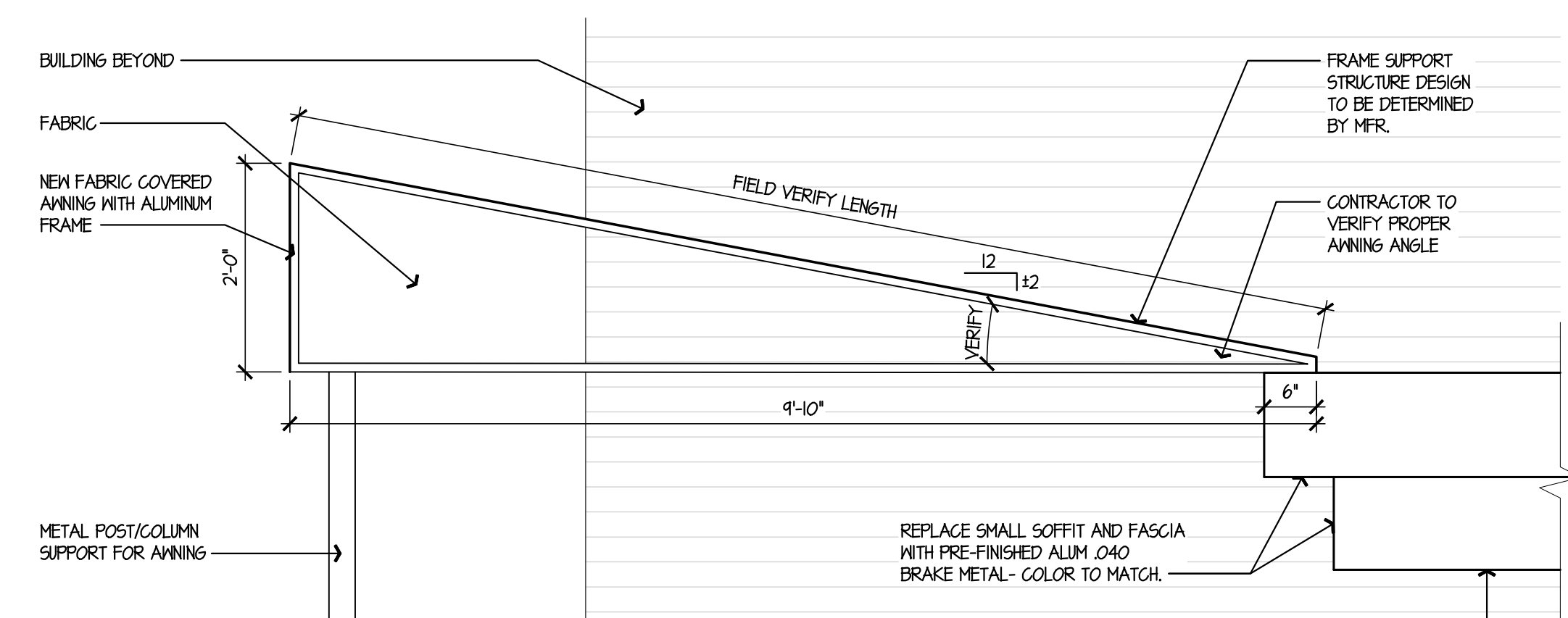
**5 RAILING DETAILS**  
SCALE: 3" = 1'-0"



**2 SECTION THROUGH ENTRY**  
SCALE: 1/4" = 1'-0"



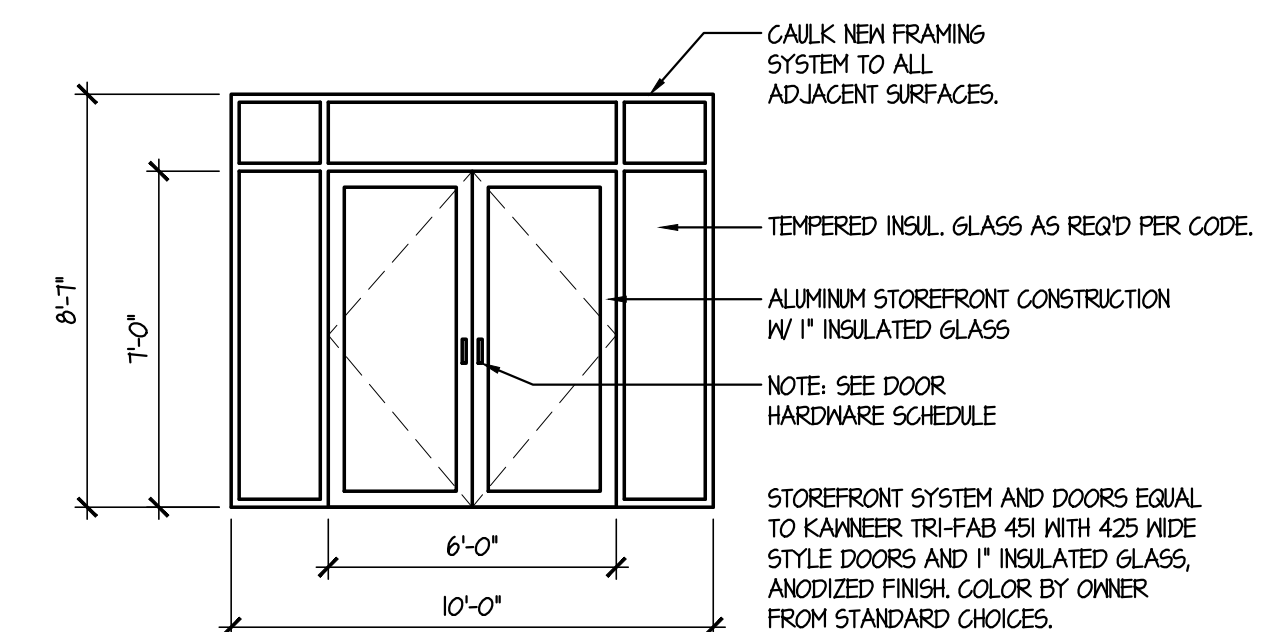
**6 CONCRETE WALK SECTION DETAIL**  
SCALE: 1-1/2" = 1'-0"



**3 SECTION/DETAIL @ AWNING**  
SCALE: 3/4" = 1'-0"

FABRIC AWNING - BASIS OF DESIGN IS "CLASSIC AWNING" BY QUEEN CITY AWNING, CINCINNATI, OHIO  
WWW.QUEENCITYAWNING.COM  
TEL: 800-611-2600

- FRAME:** ALUMINUM: FABRI-FRAME ALUMINUM EXTRUSION SYSTEM. MILL FINISH SQUARE AND RECTANGULAR SHAPES OF 6063-T6 ALLOY.
- FABRIC:** CANVAS-WOVEN ACRYLIC FABRIC IS U.V. AND MILDREN RESISTANT AND WATER REPELLENT.
- COLORS:** FABRIC COLOR TO BE SELECTED BY OWNER FROM MFR'S STD. SELECTIONS.
- GRAPHICS:** LETTERING AND SIGNAGE CAN BE APPLIED TO FABRICS IN A VARIETY OF METHODS, SURFACE APPLIED GRAPHICS FOR NON-BACKLIT APPLICATIONS AND TRANSLUCENT GRAPHICS FOR BACKLIT APPLICATIONS



NEW EXTERIOR DOOR HARDWARE SET:		
- 3 PR BUTTS	- VERTICAL ROD EXIT DEVICE	
- 2 CLOSER	- CYLINDER AND KEYING (COORDINATE WITH OWNER)	
- THRESHOLD		

POWER DOOR OPERATOR:		
ITEM	MFR.	MODEL No.
ELECTRIC POWER CLOSER	HORTON	7100 SERIES
(2) SWITCH BOX / PUSH PAD	CM-RFL-454	
(2) WALL SWITCH TRANSMITTER	CM-TX-4	
BASIC SINGLE RELAY RECEIVER	CM-TX-4I	

**7 DOOR & FRAME ELEVATION**  
SCALE: 1/4" = 1'-0"

VERIFY EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD

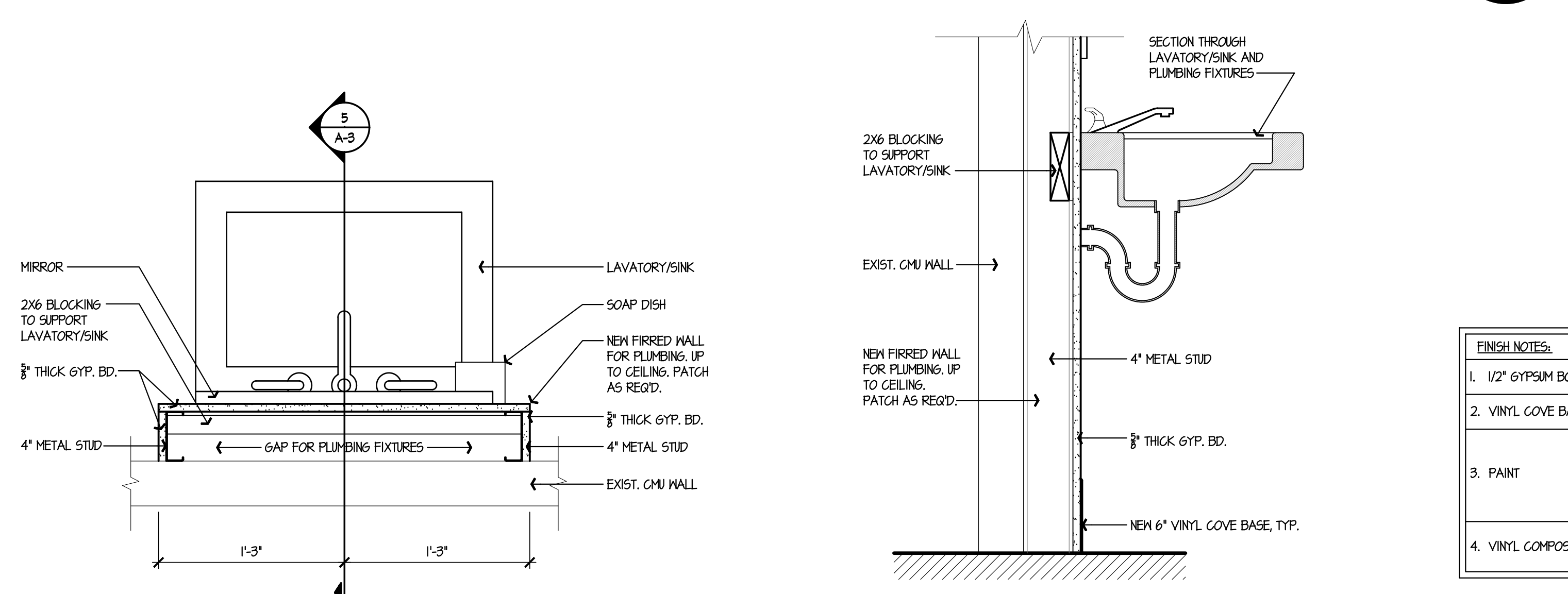
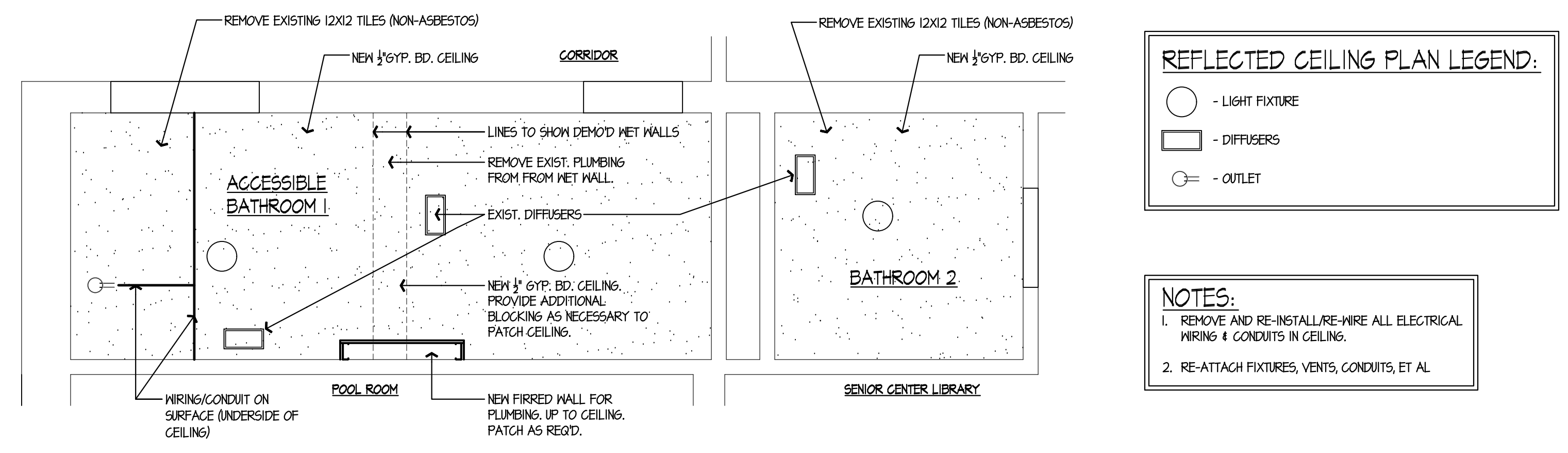
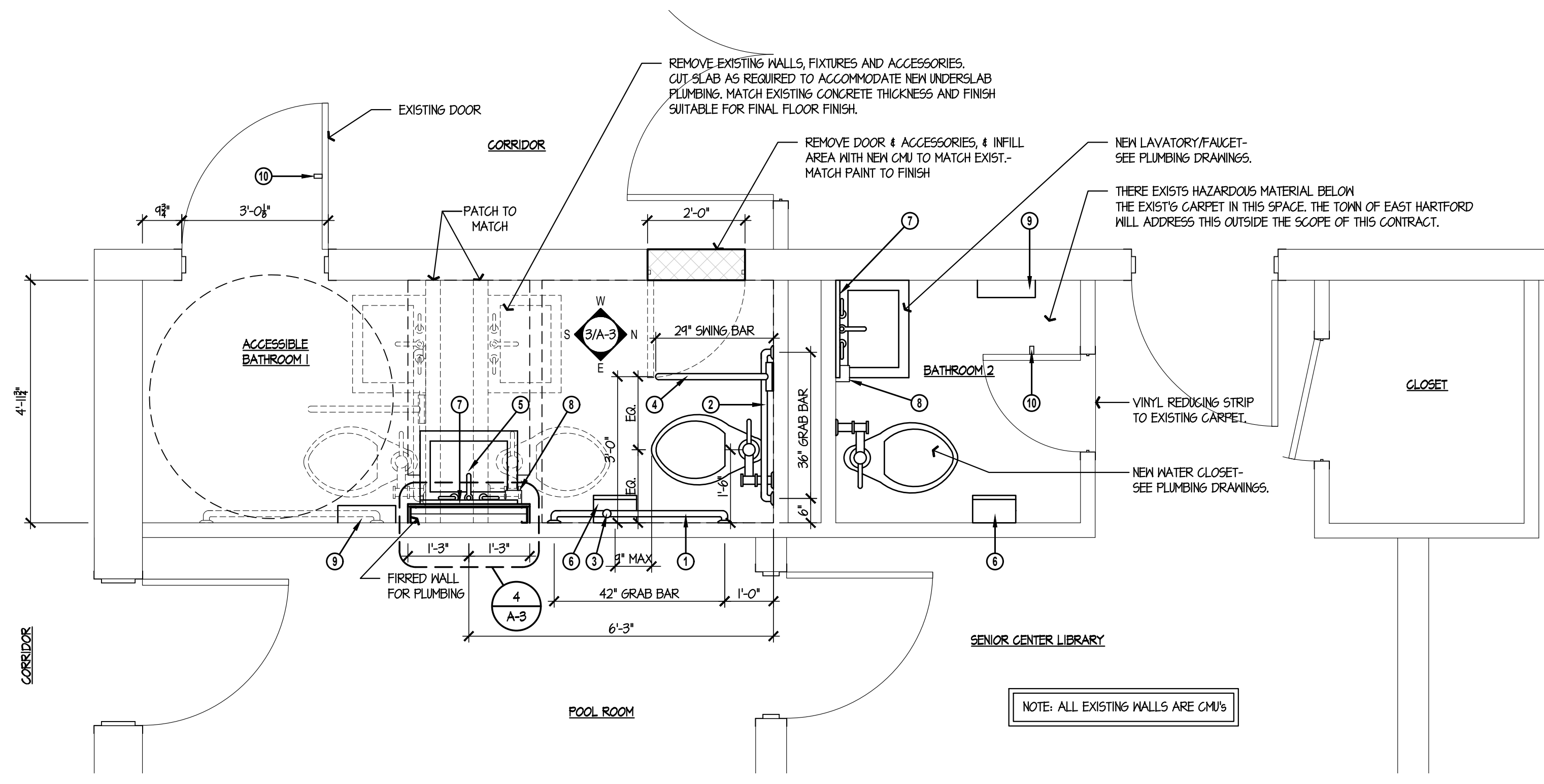
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**ELEVATIONS, SECTIONS, ROOF PLAN & DETAILS**

**A-2**

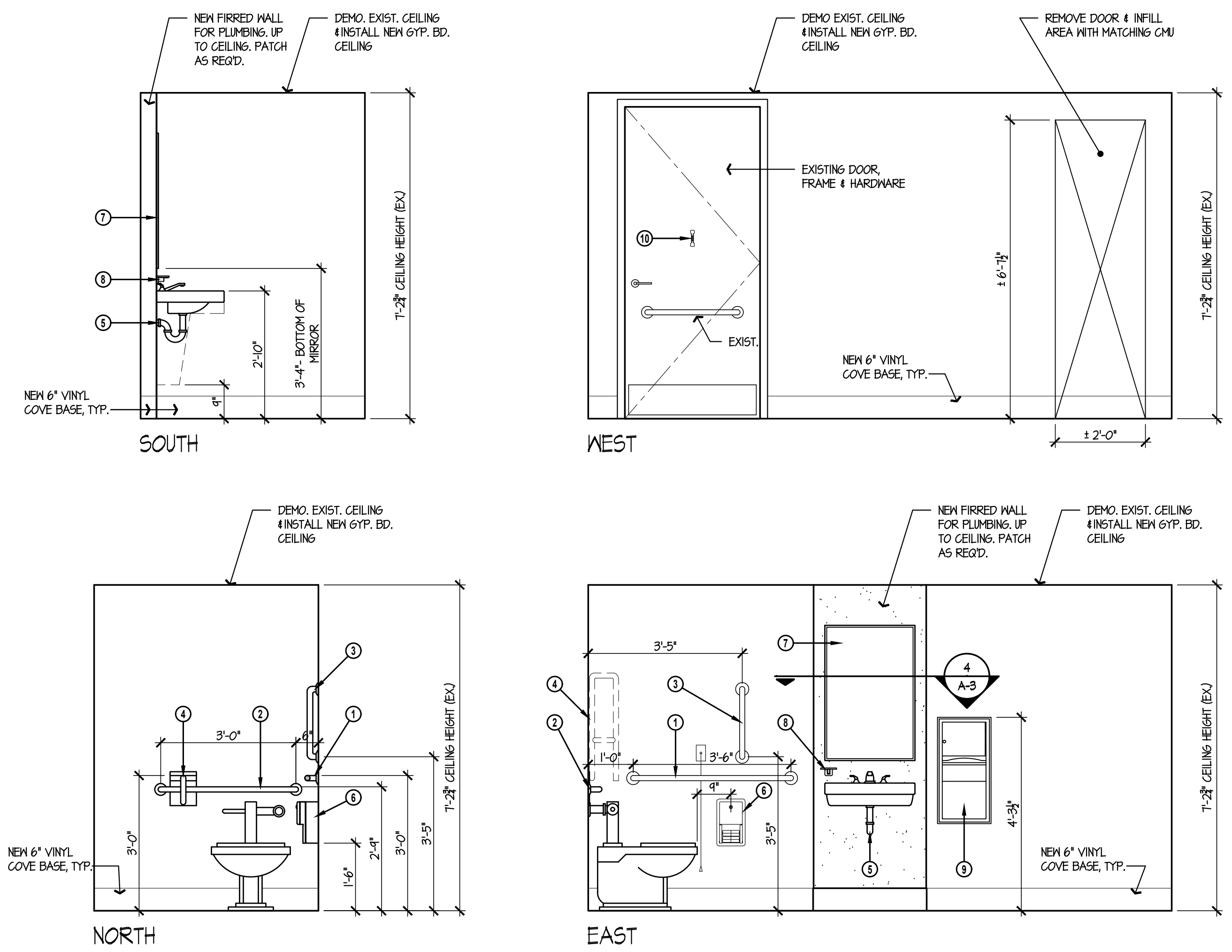
date	02 MAR 2016
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scale	AS NOTED
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project no.	15-50

**General Renovations for the EAST HARTFORD SOUTH END SENIOR CENTER**  
70 Canterbury Street, East Hartford, CT



**FINISH NOTES:**

- 1/2" GYPSUM BOARD CEILING - NEW FURRING AS REQ'D.
- VINYL COVE BASE - 1/2" x 6" HIGH BURKE MERZOR, OR EQUAL.
- PAINT - SPOT PRIME AND TWO FINISH COATS - SHERWIN WILLIAMS, PPG OR BENJAMIN MOORE - FINISH WALLS - LATEX-EGGSHELL - WOOD-LATEX-SEMI-GLOSS - METAL-ENAMEL-SATIN
- VINYL COMPOSITION TILE - "STANDARD EXCELOM" BY ARMSTRONG, OR EQUAL BY AZROCK, OR TARKETT



**FINISH SCHEDULE**

ROOM NAME	FLOOR	WALL	BASE	CEILING	REMARKS
ACCESSIBLE BATHROOM I	VCT	CERAMIC TILE	6" VINYL COVE	NEW 1/2" GYPSUM BOARD - PTD. (NEW FURRING AS REQ'D)	REFERENCES ALL WALL SURFACES AS ORIENTED ON FLOOR PLAN
BATHROOM 2	CARPET	CERAMIC TILE	6" VINYL COVE	NEW 1/2" GYPSUM BOARD - PTD. (NEW FURRING AS REQ'D)	REFERENCES WALL SURFACES AS ORIENTED ON FLOOR PLAN

**GENERAL FINISH NOTES:**

- FOR ALL EXISTING WALLS, FLOOR AND CEILING CONTRACTOR IS TO PATCH ALL BEFORE PAINTING OR APPLYING NEW FINISHES.
- WHENEVER THERE ARE EXISTING FINISH MATERIALS SUCH AS CEILING TILE, GYPSUM BOARD, CARPET, CARPET TILES, CERAMIC, VCT, ETC ARE DISTURBED AS A RESULT OF THE CONTRACTORS WORK THEN THOSE MATERIALS ARE TO BE REPLACED WITH NEW AT NO ADDITIONAL COST TO THE OWNER.
- REMOVE EXIST. FINISH FLOOR

**TOILET ACCESSORY SCHEDULE**

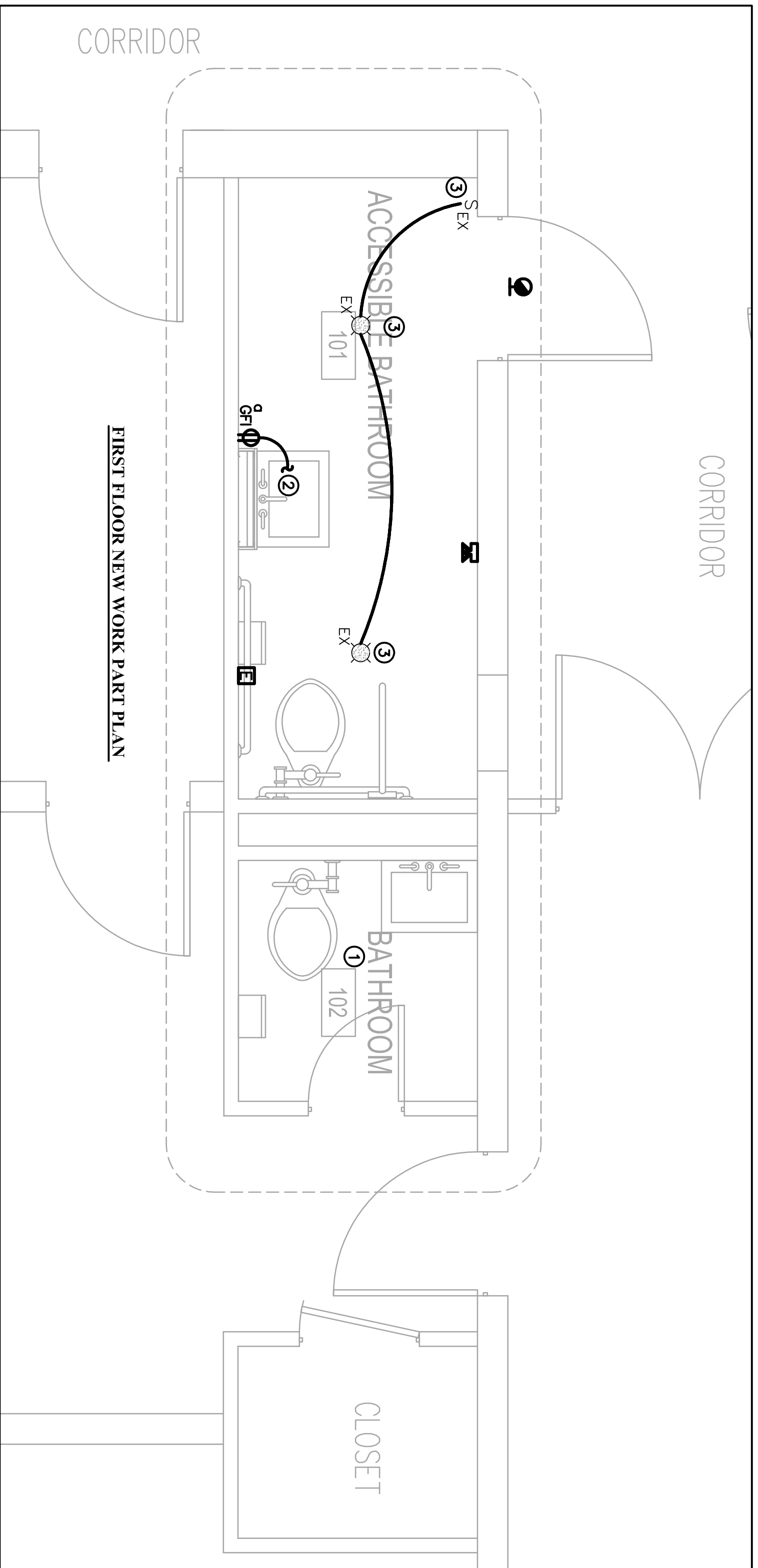
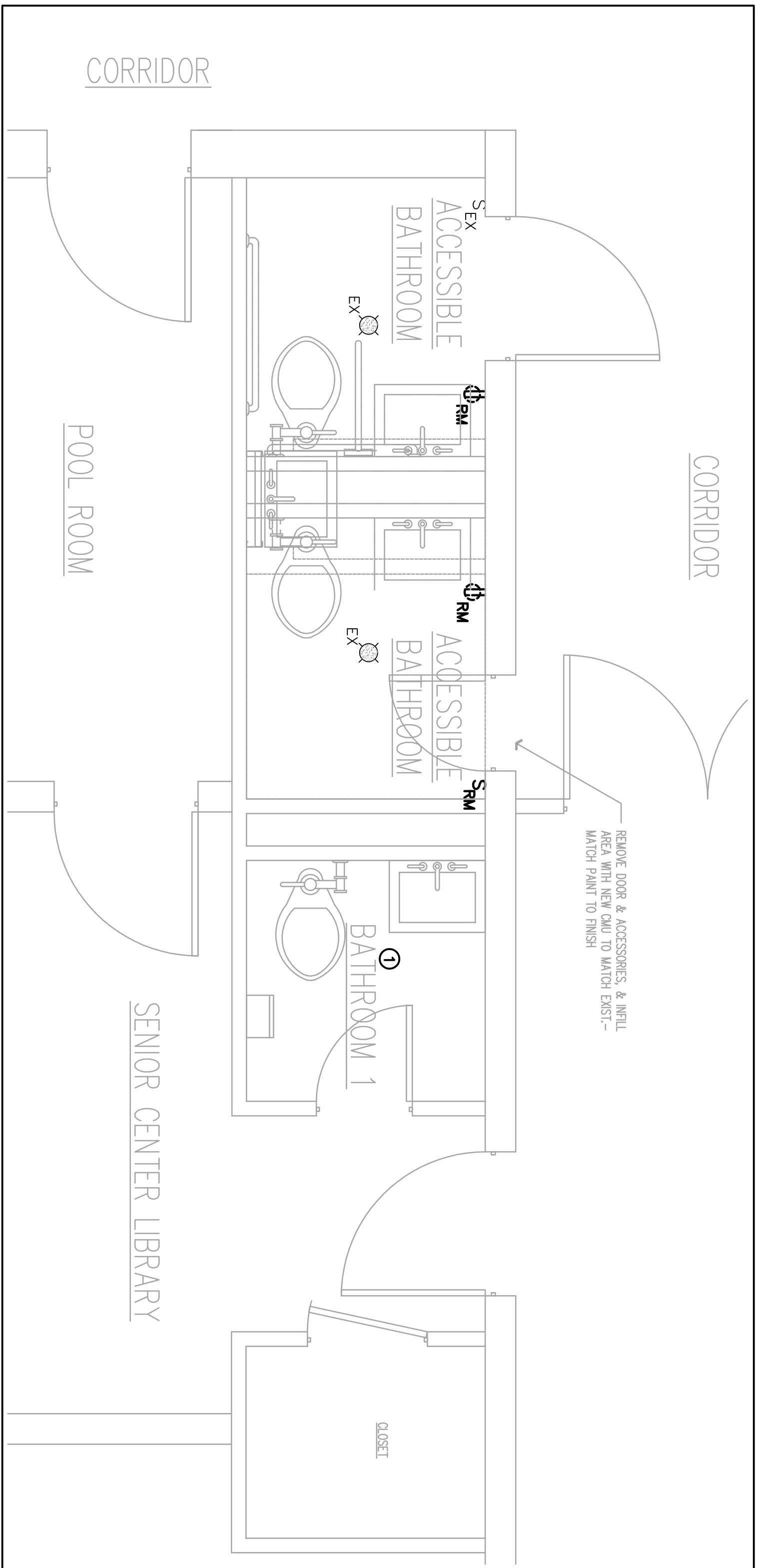
TAG	DESCRIPTION	MFR.	MODEL NO.	REMARKS
1	GRAB BAR - 42" SIDE OF TOILET	BOBRICK	B-6806.99 x 42	PEENED SURFACE
2	GRAB BAR - 36" REAR OF TOILET	BOBRICK	B-6806.99 x 36	PEENED SURFACE MOUNT 33" A.F.F.
3	GRAB BAR - 18" VERTICAL	BOBRICK	B-6806.99 x 18	PEENED SURFACE
4	GRAB BAR - 30" SWING-UP AT TOILET	BOBRICK	B-4498.99	MOUNT 33" A.F.F. - COORDINATE W/ REAR GRAB BAR
5	PIPE COVER	TRUBRO	LAV-SHIELD	
6	TOILET TISSUE DISPENSER - SURFACE MTD.	BOBRICK	B-2888	
7	MIRROR	BOBRICK	B-165 (24"x36")	
8	SOAP DISH	BOBRICK	B-680	
9	PAPER TOWEL DISPENSER / RECEPTACLE	BOBRICK	B-3649	SURFACE MTD.
10	UTILITY HOOK	BOBRICK	B-6107	

date	description	no.

**PLANS, INTERIOR ELEVATIONS, & SCHEDULES**

**A-3**

date 02 MAR 2016  
drawn DP  
scale AS NOTED  
checked DH  
project no. 15-50



GENERAL DRAWING NOTES (APPLIES TO ALL DRAWINGS):

- A. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES, SWITCHES, DEVICES AND OUTLETS.
- B. JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
- C. PRIOR TO ORDERING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
- D. LIGHTING FIXTURES UTILIZING ELECTRONIC BALLASTS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL.
- E. CONNECT EXIT SIGNS AND EMERGENCY LIGHTING UNITS TO NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHES. UNITS SHALL MONITOR LOCAL LIGHTING CIRCUIT AND OPERATE UPON LOSS OF NORMAL POWER.
- F. PROVIDE DEDICATED NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
- G. ALL WIRING IS 2#12 & 1#12 GND TYPE MC CABLE, UNLESS NOTED OTHERWISE. ALL HOMERUNS ARE #12 AWG CU 3/4" EMT, UNLESS NOTED OTHERWISE.
- H. ALL WIRING SHALL BE RUN CONCEALED WHERE PHYSICALLY POSSIBLE. IN AREAS WITHOUT CEILINGS, EXPOSED CONDUITS SHALL BE INSTALLED NEATLY AND ROUTED PARALLEL TO OR AT RIGHT ANGLES TO BUILDING STRUCTURE/LINES.
- I. WIRING SHOWN ON PLANS ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE ROUTING IN FIELD WITH OTHER TRADES AND FIELD CONDITIONS.
- J. FIRE ALARM SYSTEM SCOPE IS: AN EXPANSION OF AN EXISTING SYSTEM. ALL NEW DEVICES AND WIRING ARE TO EXACTLY MATCH BUILDING STANDARD. PROVIDE NEW S.I.C. AND INDICATION WIRING AND CIRCUITS AS REQUIRED. MODIFY EXISTING SYSTEM AS REQUIRED TO ACCOMMODATE NEW INSTALLATION. MODIFICATIONS MAY INCLUDE BUT ARE NOT LIMITED TO: S.I.C. LOOP WIRING, INDICATION CIRCUIT ZONE WIRING, INPUT ZONE CARDS, OUTPUT ZONE CARDS, POWER BOOSTERS, POWER SUPPLIES, BATTERIES, PROGRAMMING, ETC. AND ALL OTHER WORK AND ADJUSTMENTS REQUIRED FOR A COMPLETE WORKING SYSTEM.
- K. FIRE ALARM SYSTEM SCOPE IS: AN EXPANSION OF AN EXISTING SYSTEM. ALL NEW DEVICES AND WIRING ARE TO EXACTLY MATCH BUILDING STANDARD. PROVIDE NEW S.I.C. AND INDICATION WIRING AND CIRCUITS AS REQUIRED. MODIFY EXISTING SYSTEM AS REQUIRED TO ACCOMMODATE NEW INSTALLATION. MODIFICATIONS MAY INCLUDE BUT ARE NOT LIMITED TO: S.I.C. LOOP WIRING, INDICATION CIRCUIT ZONE WIRING, INPUT ZONE CARDS, OUTPUT ZONE CARDS, POWER BOOSTERS, POWER SUPPLIES, BATTERIES, PROGRAMMING, ETC. AND ALL OTHER WORK AND ADJUSTMENTS REQUIRED FOR A COMPLETE WORKING SYSTEM.

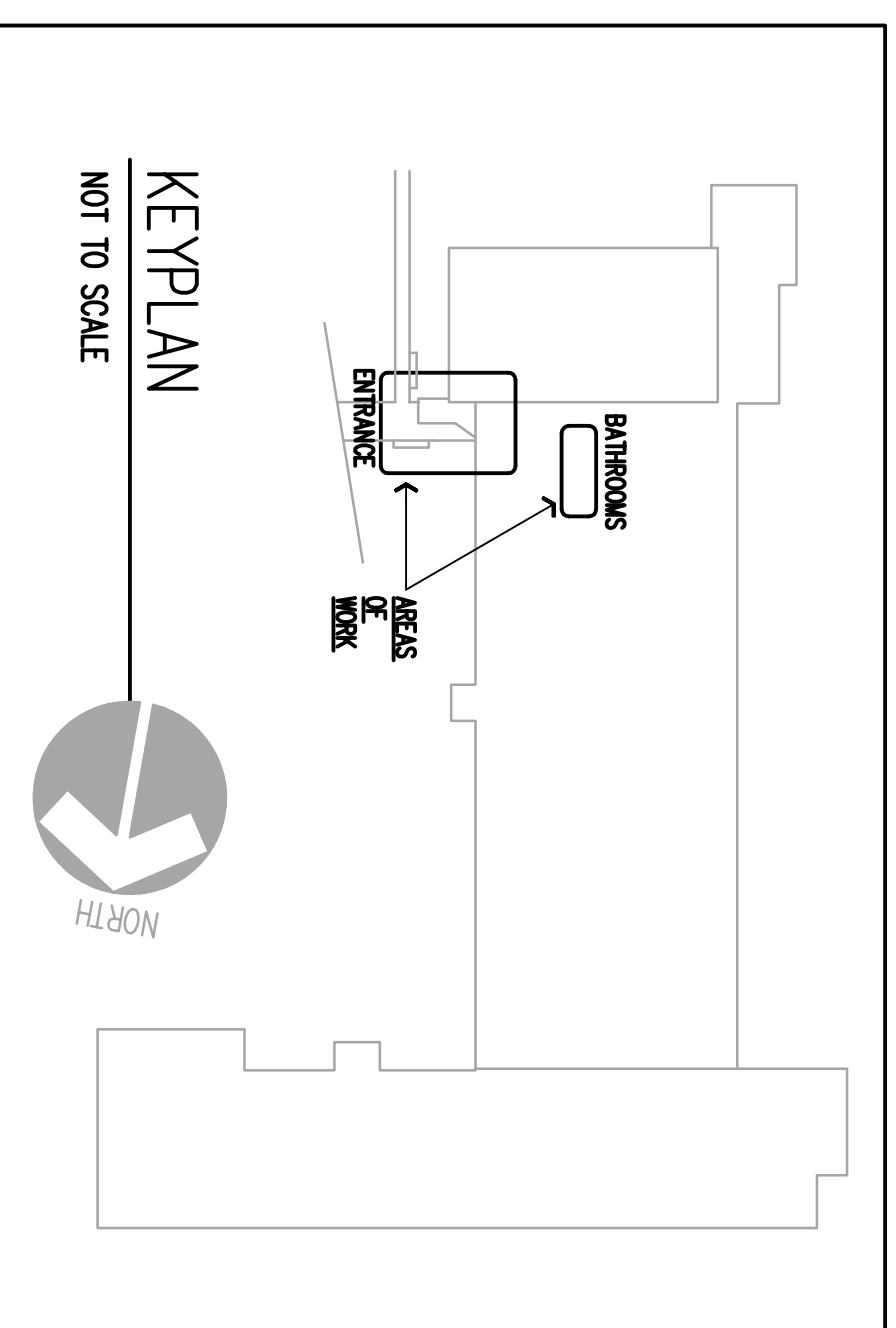
ABBREVIATIONS

ABBY.	DESCRIPTION	ABBY.	DESCRIPTION
F.A.	FIRE ALARM	GFI	GROUND FAULT INTERRUPTER
CLG.	CEILING	RM	REMOVE
RECO.	REQUIRED	N	NEW
MTD.	MOUNTED	EX	EXISTING
MIN.	MINIMUM	RL	EXISTING TO BE RELOCATED
C/B	CIRCUIT BREAKER	NL	NEW LOCATION
AFF	ABOVE FINISHED FLOOR	RE	REPLACE EXISTING

ELECTRICAL SYMBOL LIST

Ⓟ	20A-120V DUPLEX RECEPTACLE MOUNT @ 18" AFF UNLESS NOTED OTHERWISE. SYMBOLTER "d" INDICATES MOUNTING HEIGHT OF 44" AFF OR 6" ABOVE COUNTER HEIGHT SYMBOLTER "gf" INDICATES TAMPER PROOF GROUND FAULT INTERRUPTER SYMBOLTER "wp" INDICATES WEATHER PROOF
▼▼▼	TEL. DATA AND TEL/DATA OUTLET LOCATIONS PROVIDE 4" DEEP BACKBOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING LOCATION MOUNT @ 18" AFF UNLESS NOTED OTHERWISE. SYMBOLTER "w" INDICATES MOUNTING HEIGHT OF 54" AFF SYMBOLTER "d" INDICATES MOUNTING HEIGHT OF 44" AFF OR 6" ABOVE COUNTER HEIGHT SYMBOLTER "m" INDICATES MOTION SENSOR SYMBOLTER "pb" INDICATES PUSH BUTTON
S	LIGHT SWITCH, MOUNT AT 42" AFF SYMBOLTER "m" INDICATES MOTION SENSOR SYMBOLTER "pb" INDICATES PUSH BUTTON
☐	JUNCTION BOX WITH 3/4" C TO ACCESSIBLE CEILING FOR CARD READER.
☐	120/208V PANEBOARD.
PR-1	HOMERUN, TOP NUMBER INDICATES PANEL, BOTTOM NUMBER INDICATES BREAKER SIZE. WIRE IS 2#12 & 1#12 GND IN 3/4" C UNLESS NOTED OTHERWISE.
☐	JUNCTION BOX
☐	LIGHT FIXTURE

- DRAWING KEY NOTES:
- ① EXISTING TO REMAIN IN THIS AREA.
  - ② CONNECT TO EXISTING RECEPTACLE BRANCH CIRCUIT IN THIS AREA.
  - ③ RECONNECT EXISTING LIGHTING FIXTURES AND EXHAUST FANS TO EXISTING SWITCH AS SHOWN.



EAST HARTFORD  
SENIOR CENTER

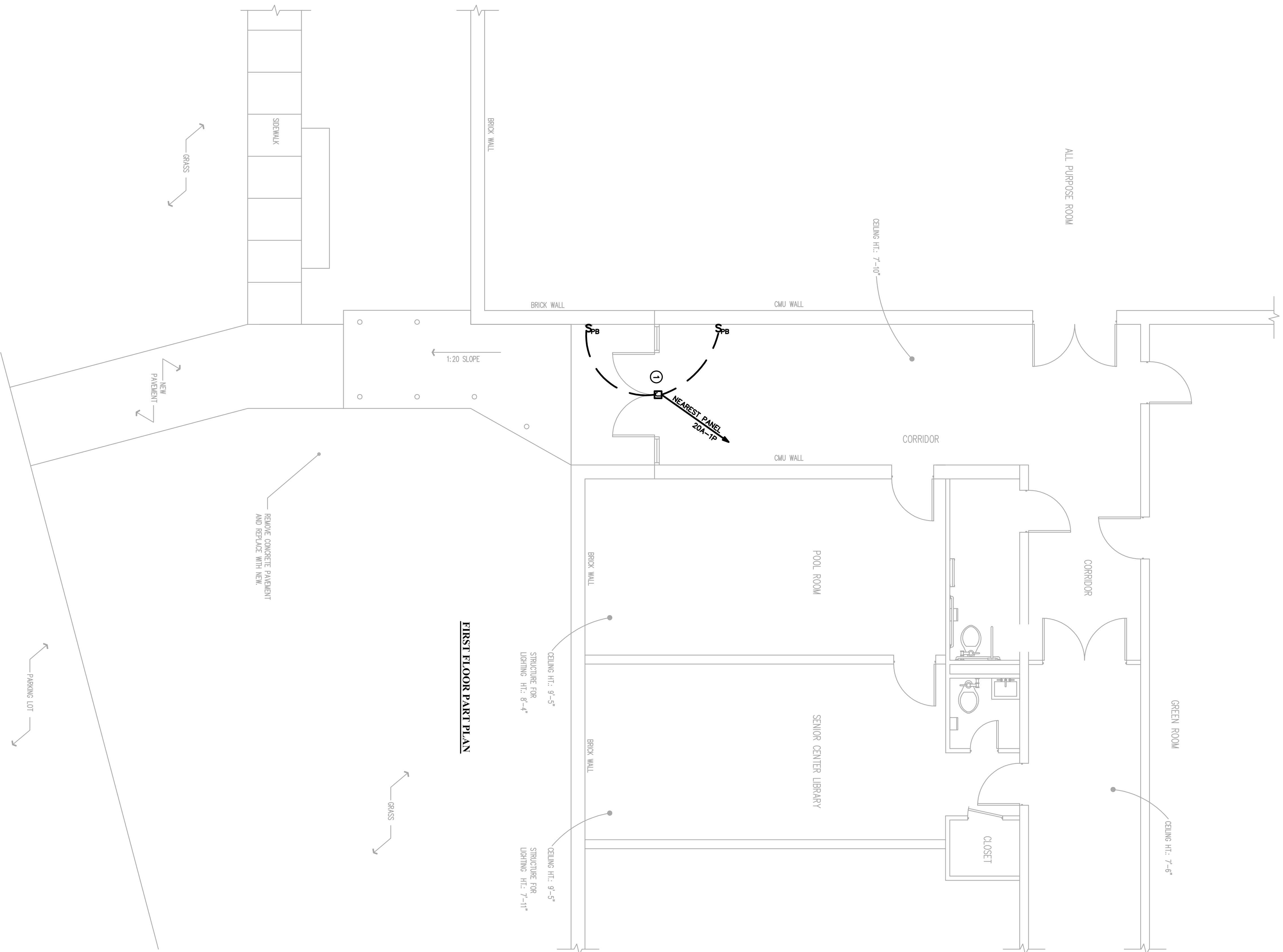
EAST HARTFORD,  
CONNECTICUT 06103

**P**ROGRESSIVE  
ENGINEERING, INC.  
2070 SHELTON AVENUE, SUITE 100, HARTFORD, CT 06103  
TEL: 860.290.2002 FAX: 860.290.2103

date	description	by

date - FEBRUARY 2016  
drawn BBO  
scale 1/2" = 1'-0"  
checked  
project no. 16037

**E-1**  
ELECTRICAL  
FIRST FLOOR  
PART PLANS

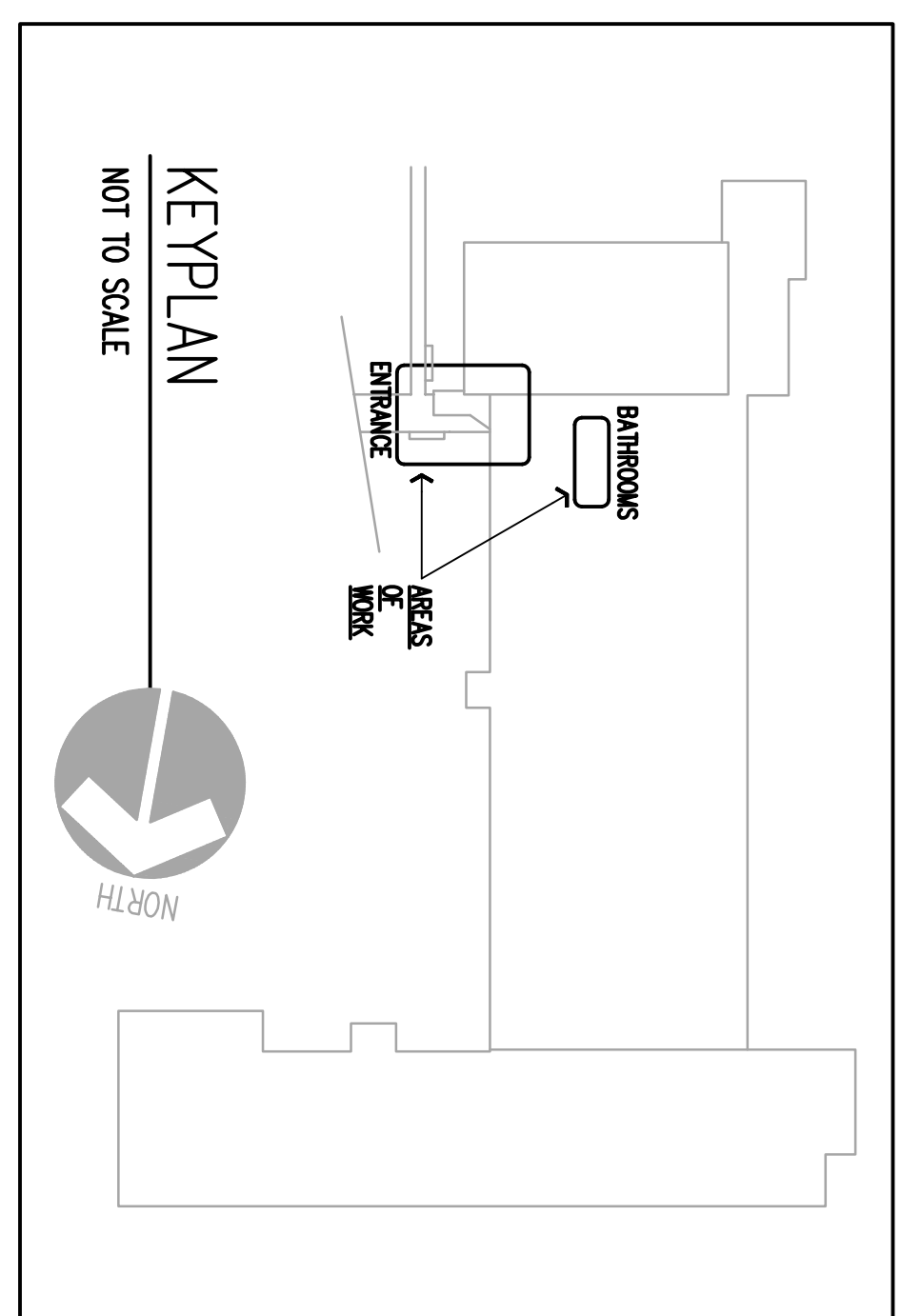


**FIRST FLOOR PART PLAN**

- DRAWING KEY NOTES:**
- ① JUNCTION BOX FOR POWER CONNECTION TO AUTOMATIC DOOR OPERATOR. BRONZE JUNCTION BOX ABOVE CEILING FOR POWER CONNECTION AND RECESSED SWITCH BOXES WITH CONDUITS TO ABOVE ACCESSIBLE CEILING FOR SWITCH PLATE OPERATORS. ALL FINAL POWER AND CONTROL WIRING BY EC PER MANUFACTURERS INSTRUCTIONS. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL FOR POWER FEED. VERIFY EXACT PANEL LOCATION IN FIELD PRIOR TO BID.

**GENERAL NOTES:**

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL:
  - A. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS AND OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
  - B. FURNISH AND INSTALL ALL NECESSARY OUTLETS, SUPPORTS, PULLBOXES, CONDUITS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR INSTALLATION OF WORK.
2. DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS AND VERIFICATION OF FIELD CONDITIONS PRIOR TO INSTALLATION OF WORK. ANY CHANGES IN WORK NECESSITATED BY FAILURE OF THE CONTRACTOR TO COMPLY WITH THIS PROVISION SHALL BE UNDERTAKEN BY THE CONTRACTOR AT HIS OWN EXPENSE.
4. ALL NECESSARY CUTTING AND PATCHING FOR WORK OF THIS CONTRACT SHALL BE BY THE CONTRACTOR. PRIOR TO PERFORMING ANY CHASING, CHOPING OR CORE DRILLING, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE WITH ALL APPROPRIATE TRADES TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECT ANY EXISTING SYSTEMS. WORK ON EXISTING SYSTEMS MUST BE APPROVED BY THE OWNER PRIOR TO PROCEEDING.
5. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES FOR EXACT LOCATION OF ALL EQUIPMENT AND CONTROL DEVICES. LOCATIONS AS SHOWN ON ELECTRICAL DRAWINGS ARE APPROXIMATE.
6. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. SEALANT SHALL BE RATED FOR THREE (3) HOURS.
7. ALL EQUIPMENT, DEVICE BOXES, JUNCTION BOXES, PULLBOXES AND OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO THE COVER. IF NECESSARY AND APPROVED BY ENGINEER (PROGRESSIVE ENGINEERING), PROVIDE ACCESS DOORS OR COVER PLATES IN AREAS WHERE UNOBSTRUCTED ACCESS IS NOT POSSIBLE.



**CAPITAL STUDIO**  
architects LLC  
179 MAIN STREET EAST HARTFORD, CT 06108  
861.284.3302 FAX 861.284.3110

**EAST HARTFORD SENIOR CENTER**  
EAST HARTFORD, CONNECTICUT 06035

**PROGRESSIVE ENGINEERING, INC.**  
100 W. MAIN STREET, SUITE 200  
HARTFORD, CT 06103  
TEL: 861.284.3302 FAX: 861.284.3110  
www.progressive-engineering.com

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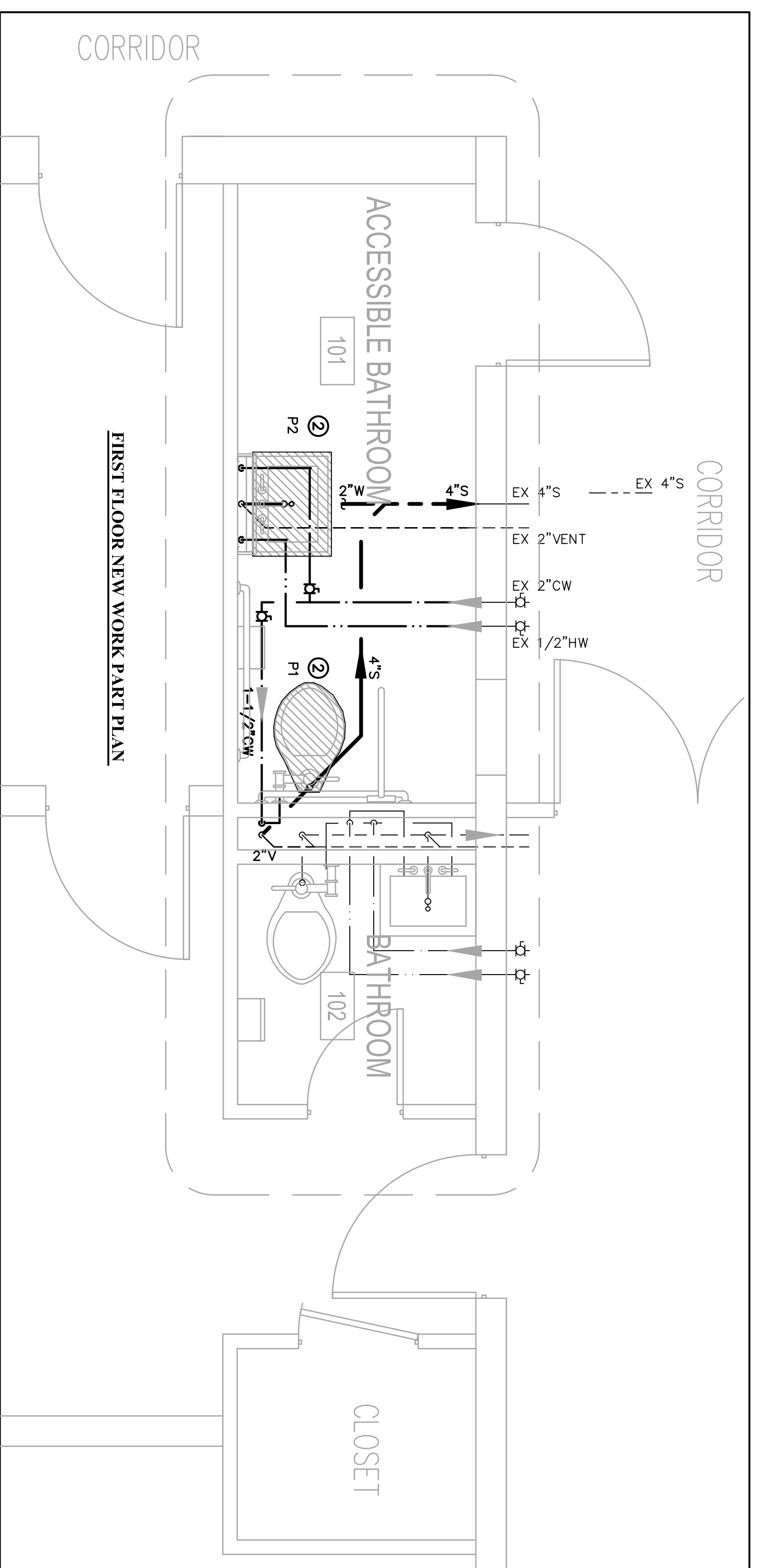
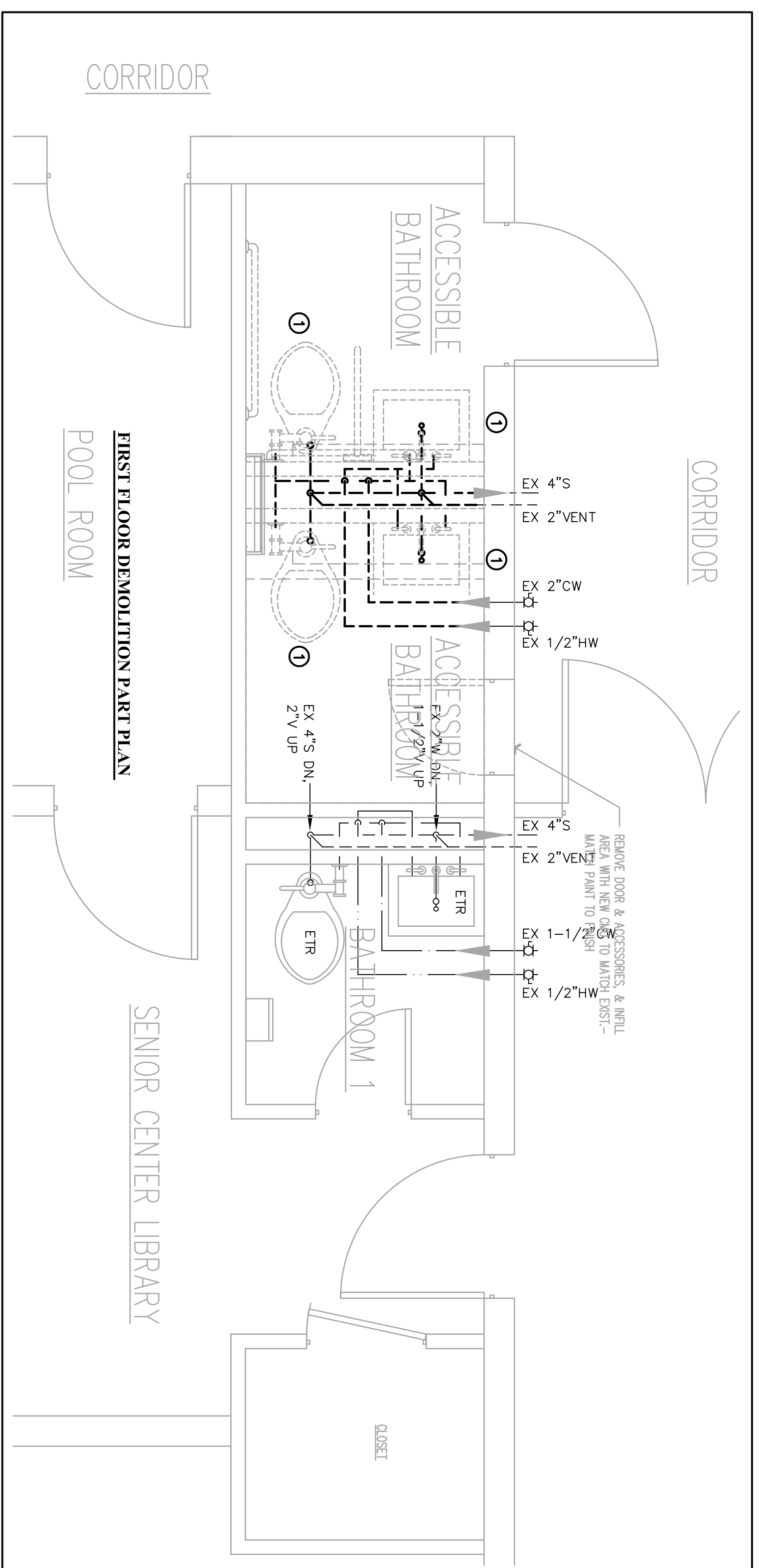
**ELECTRICAL FIRST FLOOR PART PLAN**

**E-2**

date - FEBRUARY 2016  
drawn BB0  
scale 1/4" = 1'-0"  
checked  
project no. 16037

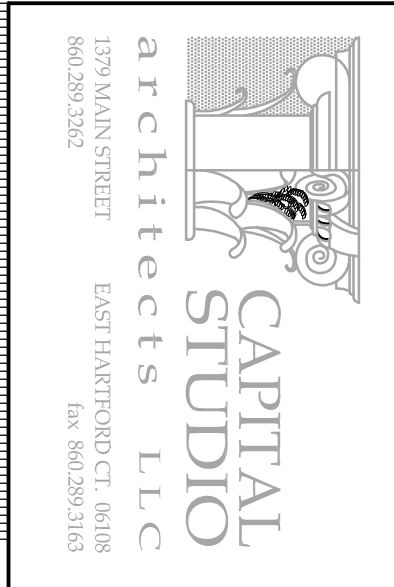
**PLUMBING SPECIFICATIONS/MATERIALS NOTES:**

1. ARCHITECT'S GENERAL CONDITIONS ARE A PART OF THIS DIVISION.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS OF LOCAL AND STATE AGENCIES AND UTILITY COMPANIES REQUIREMENTS.
3. ALL EQUIPMENT SHALL BE U.S. LISTED. THE CONTRACTOR SHALL BEAR THE COST OF ALL FEES, PERMITS, LICENSES AND TAXES, AND ANY UTILITY COMPANY CHARGES IN CONNECTION WITH HIS WORK.
4. THE CONTRACTOR SHALL PROVIDE A GUARANTEE COVERING ALL MATERIAL AND WORKMANSHIP FOR ONE (1) YEAR FOLLOWING THE DATE OF ACCEPTANCE.
5. THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL PLANS AND THE PLANS AND SPECIFICATIONS FOR THE WORK AND SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION AND LOCAL CONDITIONS BEFORE SUBMITTING HIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ASSUMPTIONS MADE THEREOF. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IF THE CONTRACTOR HAS ANY QUESTIONS OR CONCERNS, HE SHALL CONTACT THE ARCHITECT AT THE EARLIEST OPPORTUNITY IN THE LAYOUT TO PREVENT CONFLICT WITH THOSE OF OTHER TRADES AND FOR PROPER INSTALLATION OF WORK. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT WITH ALL TRADES BEFORE STARTING CONSTRUCTION. ANY LOCATION OF EQUIPMENT WITH ALL TRADES REQUIRED FOR INSTALLATION SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL ARRANGE WORK SO ANY SHUTDOWN DOES NOT INTERFERE WITH OWNER'S OPERATION OF THE EXISTING FACILITY.
7. SUBMIT AS-BUILT DRAWINGS AND OPERATION AND MAINTENANCE MANUALS AT THE COMPLETION OF THE PROJECT.
8. ALL PLUMBING EQUIPMENT/MATERIALS PROPOSED TO SERVE POTABLE WATER SUPPLY PIPING DISTRIBUTION SYSTEMS INCLUDING FITTINGS, VALVES, ELBOWS, FLANGES, ETC. SHALL BE OF LEAD FREE CONSTRUCTION AND MEET THE FEDERAL REDUCTION OF LEAD IN DRINKING WATER ACT ENACTED JANUARY 4TH, 2014.
9. WATER CLOSET "P2" AMERICAN STANDARD KAMPA ELOMER MODEL: 3461 (17" FIN HEIGHT); ADA COMPLIANT FLOOR MOUNTED, ANTI-MICROBIAL/EGGPORE SURFACE; FLUSH GLAZED 2-1/8" TRAPWAY, ELONGATED BOWL, VITREOUS CHINA, OPERATION RANGE OF 1.1 - 1.6 GPF).  
 -PROVIDE FLUSH VALVE SLOAN GROOM MANUAL PISTON TYPE FLUSH VALVE (1.6 GPF).  
 -PROVIDE OPEN FRONT, SOFT CLOSE SEATLESS COVER.  
 -WASTE PIPE SIZE: 2"  
 -SANITARY PIPE SIZE: 4"  
 -WASTE SUPPLY PIPE SIZE: 1-1/2"  
 -WENT PIPE SIZE: 1/2"
10. LAVATORY "P2" AMERICAN STANDARD LUCERNE MODEL: 0355.012 ADA COMPLIANT 30" x 18" WALL HUNG RECTANGULAR LAVATORY & BASIN, SELF DRAINING DECK AREA W/ CONTROLED BACK AND SIDE SPLASH SHIELDS, FRONT OVERTLOW & TWO SOAP DEPRESSIONS, VITREOUS CHINA. PROVIDE GROUND DRAIN ASSEMBLY, FLANGES, SPOULETS, STOPS, ESCUTCHEON COVERS & FITTURE. PROVIDE GROUND DRAIN ASSEMBLY, FLANGES, SPOULETS, STOPS, ESCUTCHEON COVERS & FITTURE. PROVIDE SUPPLY STOP: MEDIUM HT70-LX. PROVIDE BACK TO BRON MIN. FIN. TO FIN. WALL. PROVIDE SUPPLY STOP: MEDIUM HT70-LX.  
 -WASTE PIPE SIZE: 2"  
 -WASTE SUPPLY PIPE SIZE: 1-1/2"  
 -WENT PIPE SIZE: 1/2"
11. WASTE, SANITARY AND VENT PIPING BELOW GRADE SHALL BE SERVICE-WEIGHT CAST IRON BELL AND SPIGOT WITH PUSH-ON, NEOPRENE-GASKETED JOINTS, OR HUBLESS CAST IRON WITH CLAMP-ALL HI TORQUE FITTINGS. PROVIDE ALTERNATE PIPING, WHERE CODE PERMITS. ASTM D 2220. PROVIDE SCHEDULE 40 PVC WITH 1/2" WALL THICKNESS FOR ALL SIZES OF SANITARY WASTE AND VENT PIPING. PVC ALTERNATE PIPING MUST BE APPROVED FOR USE BY OWNER IN WRITING.
12. WASTE, SANITARY AND VENT PIPING MAINS, ABOVE GRADE 2-1/2" AND LARGER, SHALL BE ASTM A 886 OR G90 HUBLESS CAST IRON WITH NO-HUB COUPLINGS. WASTE, SANITARY AND VENT BRANCH PIPING ABOVE GRADE, 2" AND SMALLER, SHALL BE TYPE "M" COPPER WITH SOLDERED FITTINGS AND JOINTS OR NO-HUB CAST IRON WITH NO-HUB COUPLINGS. PROVIDE ALTERNATE PIPING, WHERE CODE PERMITS. ASTM D 2868 SCHEDULE 40 PVC WITH 1/2" WALL THICKNESS FOR ALL SIZES OF SANITARY WASTE AND VENT PIPING. PVC ALTERNATE PIPING MUST BE APPROVED FOR USE BY OWNER IN WRITING.
13. WATER PIPE ABOVE GRADE SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER SWEAT FITTINGS. WASTE, SANITARY AND VENT PIPING SHALL BE TYPE "M" COPPER WITH SOLDERED ENDS BY APOLLO #70-100, OR WITTS #8-6000 OR EQUIVALENT.
14. PROVIDE HANGERS AND SUPPORTS FOR ALL PIPING SYSTEMS INCLUDING SUPPORT DEVICES SELECTED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDED MAXIMUM LOADING. SUPPORT FROM BUILDING STRUCTURE, HANGER AND SUPPORT SPACING SHALL BE IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS.
15. PROVIDE PRE-FORMED INSULATION COVERS FOR EXPOSED SUPPLY AND DRAINAGE PIPING LOCATED BELOW ADA COMPLIANT FITTURE(S). EQUIVALENT MANUFACTURERS: TRUBORO, PLUMBEREX.
16. PROVIDE FIBERGLASS INSULATION W/ ALL SERVICE JACKET & LABELING-INDICATE FLOW ARROWS ON ALL CW, HW, HWK PIPES WITHIN PROJECT AREA. INSULATION THICKNESS PER MOST CURRENT ENERGY CODE. IDENTIFY PIPING IN COMPLIANCE WITH ASME A13.
17. PROVIDE VALVES TAPS FOR ISOLATION VALVES & NAME PLATES FOR EQUIPMENT ETC. WITHIN PROJECT AREA, IDENTIFY VALVES & EQUIPMENT IN COMPLIANCE WITH ASME A13.
18. PIPING SHALL BE IDENTIFIED AT LEAST EVERY 20 FT. WITH NAME AND FLOW DIRECTION WITH STICKER OR PAINT MARKERS. IDENTIFY VALVES AND EQUIPMENT WITH IDENTIFICATION WALL CHART. PLASTIC MARKERS, CHAIN TO VALVE AND PROVIDE IDENTIFICATION WALL CHART.
19. PROVIDE WATER HAMMER ARRESTING AIR CHAMBERS EQUAL TO "TRAP" INC. OR ACCEPTABLE EQUAL. PROVIDE WATER HAMMER ARRESTING AIR CHAMBERS EQUAL TO "TRAP" INC. OR ACCEPTABLE QUICK-CLOSING VALVES ARE USED OR AS INDICATED ON PLANS. AT FITTURES WHERE
20. PROVIDE SHUT OFF VALVES AT ALL PLUMBING FITTURE AND EQUIPMENT LOCATIONS.
21. PROVIDE DIELECTRIC COUPLING BETWEEN PIPING OF DIS-SIMILAR METRALS.
22. PROVIDE AIR VENTS AT HIGH POINTS OF WATER PIPING.
23. ROUTE ALL DOMESTIC WATER PIPING WITHIN HEATED AREAS. DO NOT INSTALL DOMESTIC WATER PIPING IN NON-HEATED AREAS OR IN AREAS SUBJECT TO FREEZING.
24. HYDROSTATICALLY TEST DOMESTIC WATER PIPING AT 150 PSF FOR THREE (3) HOURS WITHOUT LEAKS.
25. TEST WASTE, SANITARY AND VENT PIPING WITH A 10-FOOT HEAD OF WATER FOR A MINIMUM OF 15 MINUTES WITHOUT LEAKS.
26. TEST BURIED OR CONCEALED PIPING BEFORE CLOSING IN OR BACKFILLING.
27. DISINPECT POTABLE WATER SYSTEMS (NEW AND EXISTING) PRIOR TO BUILDING OCCUPANCY WITH FREE CHLORINE. DISINFECTION SHALL BE PERFORMED BY THE CONTRACTOR. DISINFECTION SYSTEMS THROUGHOUT WITH POTABLE WATER AFTER DISINFECTION. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. REPEAT SAMPLE PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
28. CLEAN INTERIOR OF PIPING. REMOVE DIRT OR DEBRIS AS WORK PROGRESSES.
29. PROTECT DRAINS DURING REMAINDER OF CONSTRUCTION PERIOD TO AVOID CLOSING WITH DIRT AND DEBRIS AND TO PREVENT DAMAGE FROM TRAFFIC AND CONSTRUCTION WORK.
30. PLACE PLUGS IN ENDS OF UNCOMPLETED PIPING AT END OF DAY AND WHEN WORK STOPS.
31. FURNISH ALL EQUIPMENT MANUALS AND WARRANTIES TO TENANT/BUILDING OWNER AT THE COMPLETION OF THE PROJECT.



PLUMBING LEGEND		PLUMBING SYMBOL TABLE	
EXISTING	CW	DOMESTIC COLD WATER	BALL VALVE
TO BE REMOVED	ETR	EXISTING TO REMAIN	TEE DOWN
UNDERGROUND SANITARY or WASTE	HW	DOMESTIC HOT WATER	PIPE UP
ABOVE GROUND SANITARY or WASTE	IE	INVERT ELEVATION	PIPE DN
VENT	S	SANITARY	CAPPED PIPE
DOMESTIC COLD WATER	V	VENT	DIRECTION OF FLOW
DOMESTIC HOT WATER -110 DEG	W	WASTE	P-TRAP

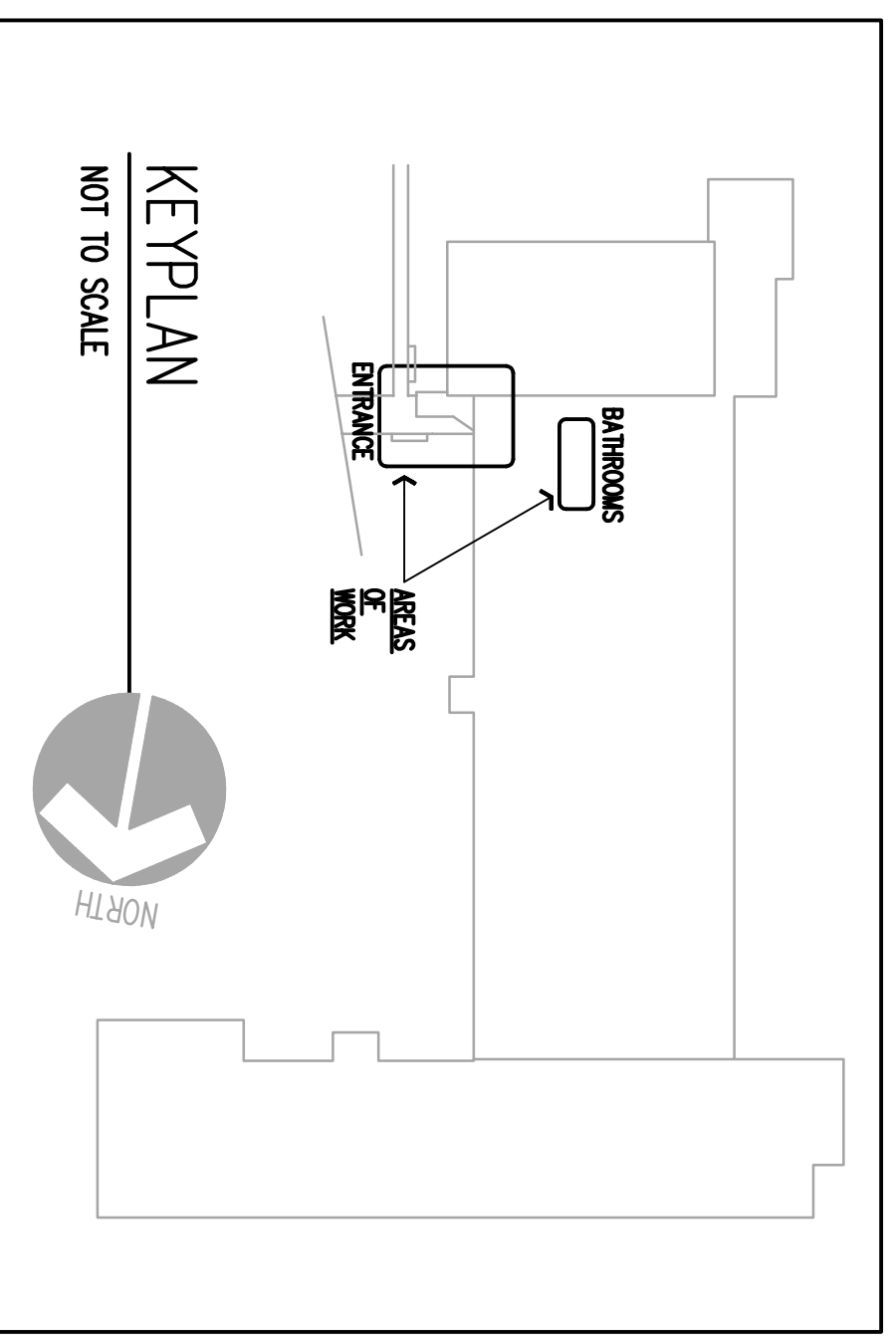
- DRAWING KEY NOTES:**
1. REMOVE PLUMBING FIXTURE AND ASSOCIATED SUPPLY, DRAINAGE AND VENT PIPING IN DEMOLISHED LOCATION.
  2. NEW PLUMBING FIXTURE LOCATION; EXTEND EXISTING PLUMBING SUPPLY, DRAINAGE & VENT PIPING TO NEW FIXTURE LOCATION AND RECONNECT AS REQUIRED. VERIFY EXACT LOCATION OF EXISTING PIPING PRIOR TO START OF WORK.



**EAST HARTFORD SENIOR CENTER**  
 EAST HARTFORD,  
 CONNECTICUT 06105



date	description	no.



**PLUMBING FIRST FLOOR PLANS**

**P-1**

date - FEBRUARY 2016  
 drawn RAC  
 scale 1/2" = 1'-0"  
 checked  
 project no. 16037