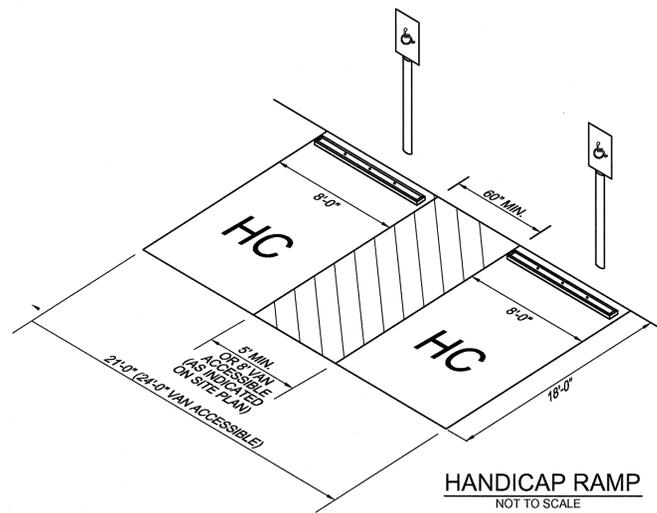
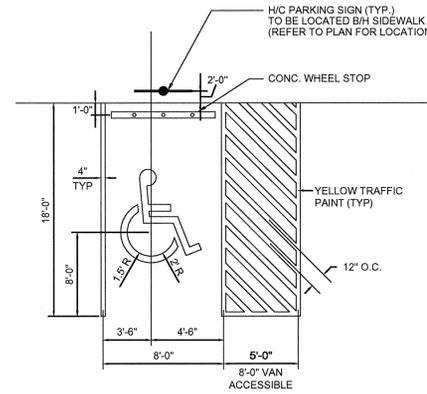


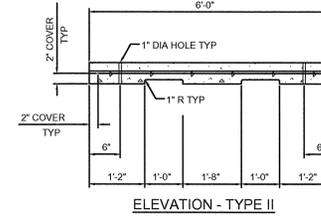
FLEXIBLE PAVING SECTION
NOT TO SCALE



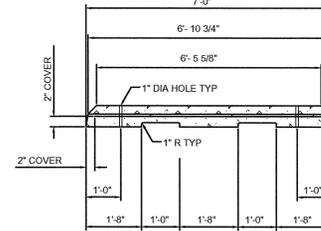
HANDICAP RAMP
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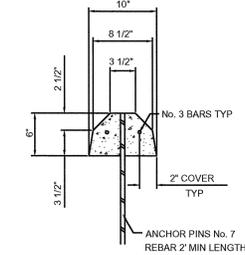
HANDICAPPED PARKING DETAIL
NOT TO SCALE



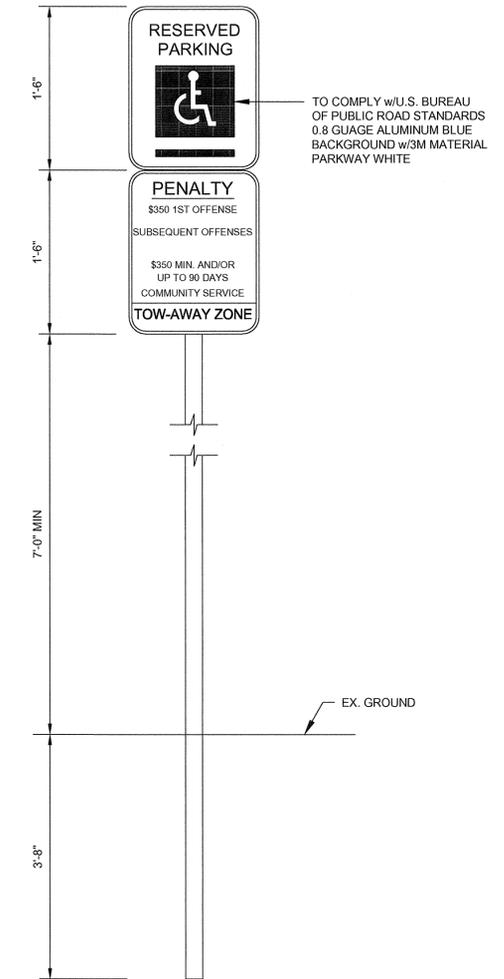
ELEVATION - TYPE II



ELEVATION - TYPE I



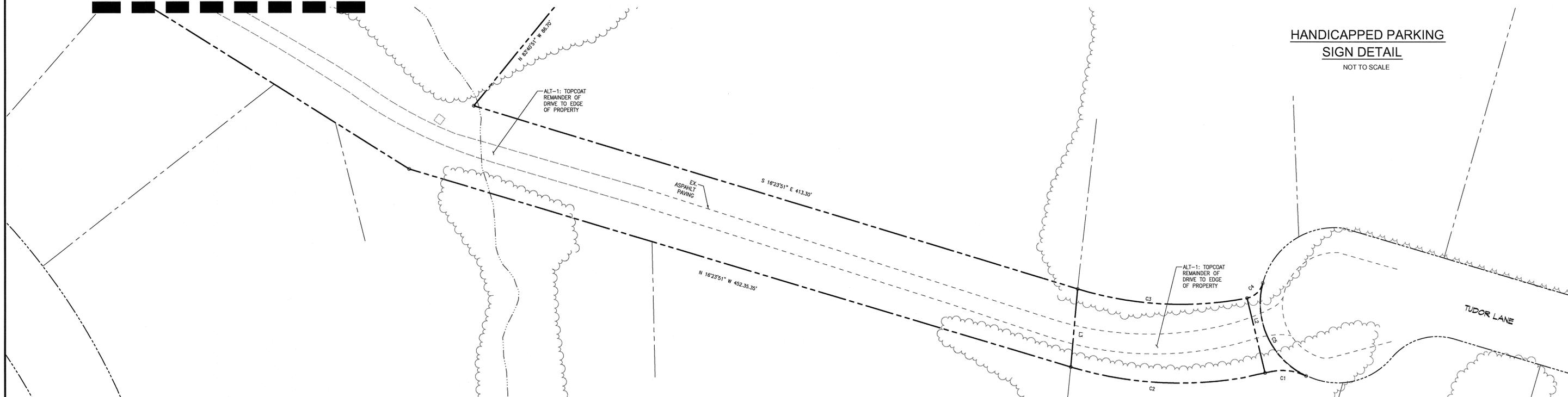
TYP. SECTION - TYPES I & II
CONCRETE WHEELSTOP
NOT TO SCALE



HANDICAPPED PARKING SIGN DETAIL
NOT TO SCALE

TO COMPLY w/U.S. BUREAU OF PUBLIC ROAD STANDARDS
0.8 GAUGE ALUMINUM BLUE BACKGROUND w/3M MATERIAL PARKWAY WHITE

MATCHLINE SHEET 1



DATE	REVISIONS

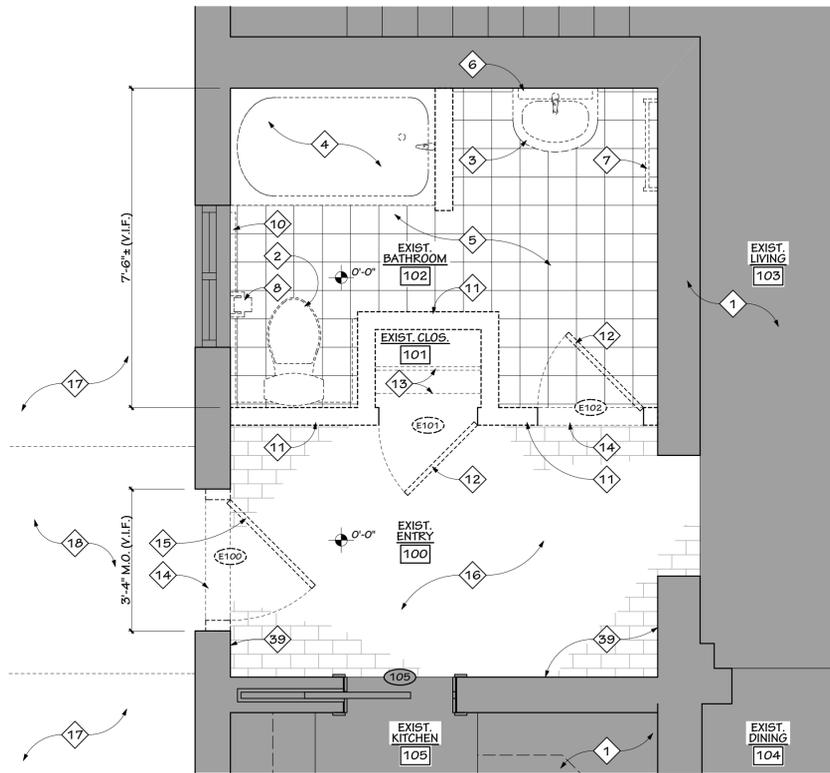


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ABINGDON, MARYLAND 21009
PHONE (410) 515-9000
FAX (410) 515-9002
ATTN: AMY G. DIPIETRO, P.E., LEED AP
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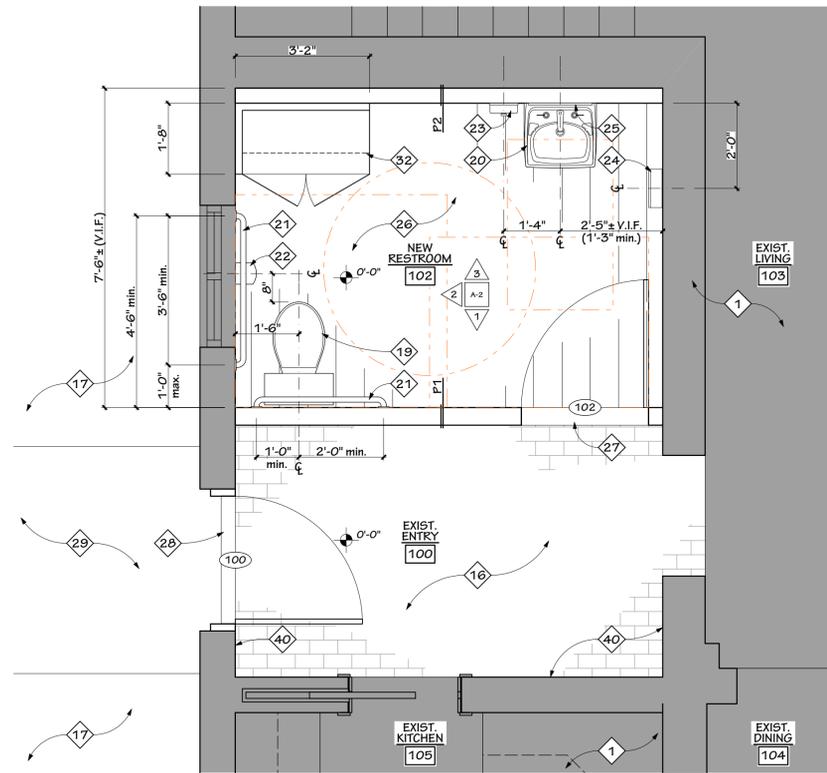
SITE DETAILS SHEET
FOR
TUDOR HALL
3RD ELECTION DISTRICT
HARFORD COUNTY, MARYLAND

JOB NO:	18302
SCALE:	AS SHOWN
DATE:	AUG. 20, 2014
DRAWN BY:	SCS
DESIGN BY:	AGD
REVIEW BY:	AGD
SHEET:	2 of 2

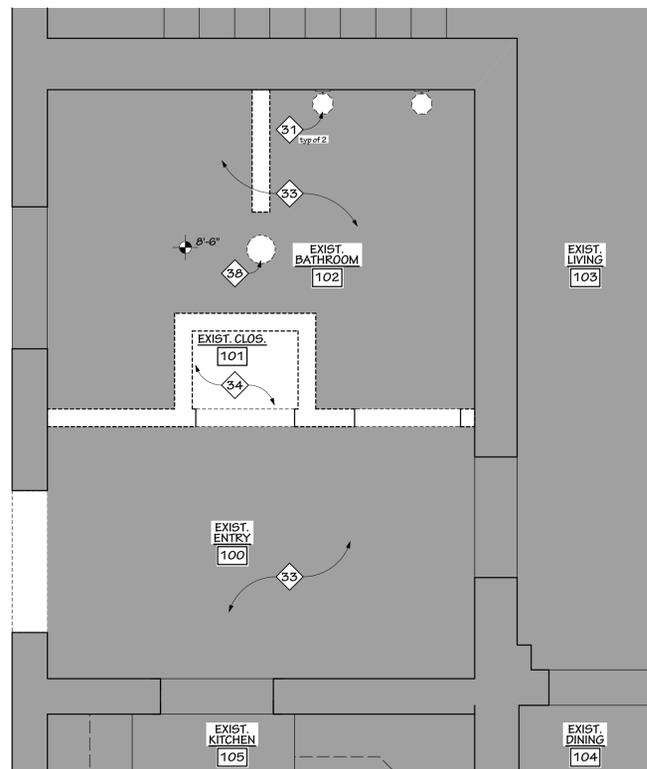
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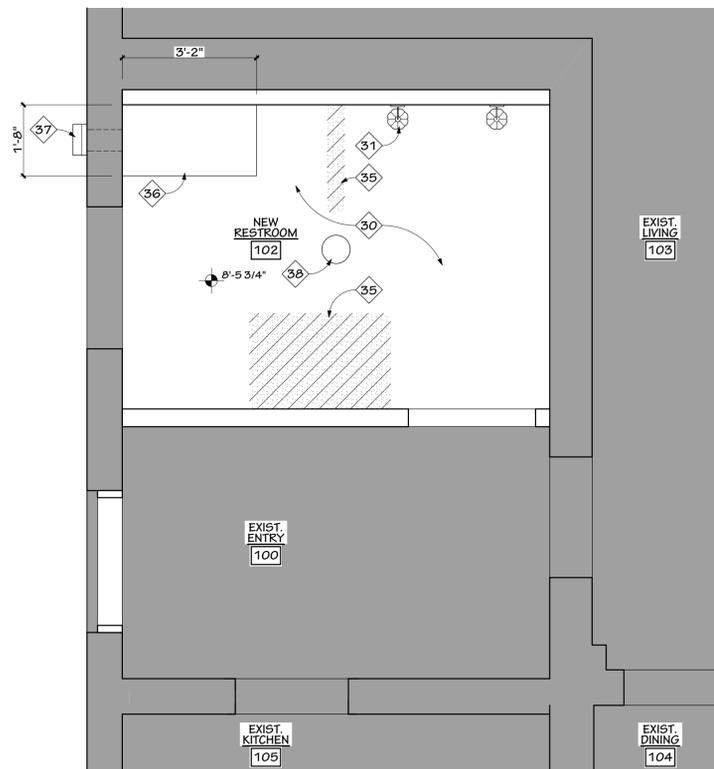
1 PARTIAL DEMOLITION PLAN
SCALE: 1/2" = 1'-0"



2 PARTIAL PROPOSED PLAN
SCALE: 1/2" = 1'-0"



3 PARTIAL DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"



4 PARTIAL PROPOSED REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"

**DEMOLITION NOTES
THIS SHEET ONLY**

1. THE TERM "DEMOLISH" SHALL MEAN DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF SITE.
2. THE TERM "SALVAGE" SHALL MEAN DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER THEM TO THE OWNER.
3. THE TERM "REMOVE AND REINSTALL" SHALL MEAN DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE ITEMS FOR REUSE AND REINSTALL WHERE INDICATED.
4. THE CONTRACTOR SHALL NOT CONSIDER DEMOLITION NOTES ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA AND TO FULFILL THE INTENT OF THE WORK INDICATED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS WITHIN THE CONTRACT LIMITS. ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY OF THE EXISTING STRUCTURE IN THE AREAS INVOLVING NEW WORK AND FOR PROTECTING THE EXISTING STRUCTURE FROM DAMAGE DURING THE COURSE OF THE WORK. THIS SHALL INCLUDE SUPPLYING AND INSTALLING SHORING, BULKHEADS AND ANY OTHER ITEMS NECESSARY FOR THE PROTECTION AND STABILITY OF THE BUILDING. NO WORK THAT WILL JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING SHALL BE DONE WITHOUT CONSULTING THE STRUCTURAL ENGINEER OR ARCHITECT.
6. THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS AGAINST DAMAGING ANY EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE COMPLETE SATISFACTION OF THE OWNER OF THE PROPERTY SO DAMAGED.
7. THE CONTRACTORS SHALL EXAMINE THE DRAWINGS AND FAMILIARIZE THEMSELVES WITH THEIR PROVISIONS REGARDING THE REMOVAL OF EXISTING ITEMS AND WORK. THEY SHALL UNDERSTAND THAT ALL ITEMS AND WORK NOT SPECIFICALLY MENTIONED TO BE REMOVED SHALL BE REMOVED AS PART OF THE WORK UNDER THIS SECTION.
8. CONTRACTOR SHALL REVIEW DEMOLITION DRAWINGS AND INCLUDE ALL COSTS NECESSARY TO COMPLETE WORK. REVIEW WITH ARCHITECT PRIOR TO PROCEEDING WITH WORK IF ANY CONFLICTING INFORMATION IS PROVIDED.
9. ALL MATERIALS REMOVED BY THE DEMOLITION CONTRACTOR SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER IN COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS.
10. CONTRACTOR SHALL RELOCATE ALL EXISTING ELECTRICAL, MECHANICAL EQUIPMENT, PLUMBING FIXTURES, PIPING SYSTEMS, CONDUITS, ETC. IN THE WAY OF THE NEW WORK AND PREPARE EXISTING CONSTRUCTION AS REQUIRED TO ACCEPT NEW WORK. INACTIVE SYSTEMS SHALL BE REMOVED OFFSITE AND NOT ABANDONED IN PLACE.
11. THE CONTRACTOR SHALL DISCONNECT, REMOVE, REINSTALL AND RECONNECT ANY EQUIPMENT TO REMAIN AS REQUIRED TO INSTALL NEW WORK, EQUIPMENT, ETC.
12. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK SO THAT THE FOLLOWING SYSTEMS ARE MAINTAINED DURING DEMOLITION:
 - A. EXISTING SECURITY.
13. SEE CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.

**CONSTRUCTION NOTES
THIS SHEET ONLY**

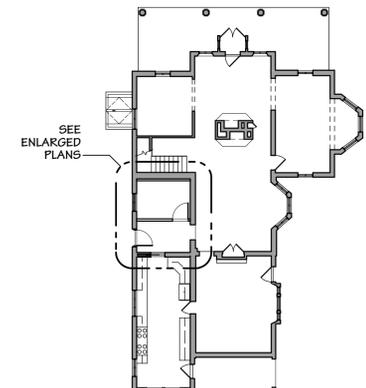
1. SHADDED ITEMS, AREAS, ETC. DENOTE EXISTING TO REMAIN, u.n.o.
2. DASHED ITEMS DENOTE ITEMS TO BE DEMOLISHED.
3. CONTRACTOR TO COORDINATE ALL BLOCKING, SUPPORT, ETC. REQUIRED TO INSTALL ALL FIXTURES.
4. DIMENSIONS, ETC. SHOWN ARE FOR SPECIFIED FIXTURES. IF ALTERNATE (OR EQUAL) FIXTURES ARE PROVIDED, CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DIMENSIONS, MANUFACTURER'S INSTALLATION REQUIREMENTS AND COMPLIANCE FIXTURE'S WITH ADA REQUIREMENTS.

**KEYNOTES
THIS SHEET ONLY**

- 1 EXISTING TO REMAIN, NO WORK IN THIS AREA, u.n.o.
- 2 DEMOLISH EXISTING TANK TYPE WATER CLOSET.
- 3 DEMOLISH EXISTING PEDESTAL SINK.
- 4 DEMOLISH EXISTING PREFABRICATED TUB AND SHOWER ENCLOSURE.
- 5 EXISTING TILE FLOOR FINISH TO REMAIN.
- 6 DEMOLISH EXISTING MEDICINE CABINET/MIRROR.
- 7 DEMOLISH EXISTING TOWEL RACK.
- 8 DEMOLISH EXISTING TOILET PAPER DISPENSER.
- 9 NOT USED.
- 10 DEMOLISH EXISTING RADIANT HEATING BASE AT WATER CLOSET ALCOVE.

**KEYNOTES (CONTINUED)
THIS SHEET ONLY**

- 11 DEMOLISH EXISTING GWB PARTITION, INCLUDING ALL BASE, CHAIRRAIL, TRIM, ETC.
- 12 DEMOLISH EXISTING WOOD PANEL DOOR.
- 13 DEMOLISH EXISTING SHELVING, COAT ROD, BLOCKING, ETC. IN CLOSET.
- 14 DEMOLISH EXISTING MARBLE THRESHOLD.
- 15 DEMOLISH EXISTING EXTERIOR DOOR AND FRAME.
- 16 EXISTING BRICK PAVER FLOOR TO REMAIN.
- 17 EXISTING PLANTING BED TO REMAIN.
- 18 DEMOLISH EXISTING CONCRETE WALK - SEE PROPOSED PLAN AND CIVIL/SITE DRAWINGS FOR ADDITIONAL INFORMATION.
- 19 ADA COMPLIANT TANK TYPE WATER CLOSET - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 20 ADA COMPLIANT WALL-HUNG LAVATORY - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 21 STAINLESS STEEL ADA COMPLIANT GRAB BAR.
- 22 ADA COMPLIANT, SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER, BOBRICK #B-4288 OR EQUAL.
- 23 ADA COMPLIANT, SURFACE MOUNTED SOAP DISPENSER, BOBRICK #B-2112 OR EQUAL.
- 24 ADA COMPLIANT, SURFACE MOUNTED PAPER TOWEL DISPENSER, BOBRICK #B-26212 OR EQUAL.
- 25 ADA COMPLIANT MIRROR - 18" WIDE BY 30" TALL, BOBRICK #B-165 1830 OR EQUAL.
- 26 VINYL PLANK RESILIENT FLOORING - INFILL/PATCH FLOOR AREAS WHERE NO TILE EXIST AND PREPARE ENTIRE FLOOR SURFACE TO RECEIVE VINYL PLANK RESILIENT FLOORING. PER MANUFACTURER'S INSTRUCTIONS - 36"x4"x1/8" ARMSTRONG "NATURAL CREATIONS ARBORAKT COLLECTION" TP10 "WILD CHERRY MEDIUM" - SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 27 ADA COMPLIANT MARBLE THRESHOLD.
- 28 ADA COMPLIANT THRESHOLD IN FULL SEALANT BED.
- 29 ADA COMPLIANT FLEXIBLE PAVING SECTION BETWEEN DRIVEWAY AND BUILDING. SEE SITE DETAILS SHEET (2 OF 2) FOR ADDITIONAL INFORMATION.
- 30 NEW 0"1/4" GWB ON EXISTING CEILING.
- 31 REMOVE AND REINSTALL EXISTING WALL MOUNTED LIGHT FIXTURE. MOUNTING HEIGHT TO MATCH EXISTING FIXTURE HEIGHT.
- 32 CASEWORK - 36" WIDE BY 18" DEEP BY 72" HIGH ON FRAMED WOOD PLATFORM WITH SOFFIT ABOVE. PROVIDE THREE (3) 12" WIDE, ADJUSTABLE SHELVES AND FILLER PANELS AS REQUIRED.
- 33 EXISTING CEILING TO REMAIN.
- 34 DEMOLISH EXISTING CEILING AND PREPARE FOR NEW CEILING OVERLAY.
- 35 INFILL DEMOLISHED AREAS OF EXISTING CEILING AS REQUIRED TO SUPPORT NEW GWB SURFACE.
- 36 GWB SOFFIT ABOVE CASEWORK.
- 37 EXTEND EXHAUST THROUGH EXISTING BRICK-CLAD WALL AND INSTALL WEATHERPROOF CAP. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 38 REMOVE AND REINSTALL EXISTING CEILING MOUNTED LIGHT FIXTURE.
- 39 CAREFULLY REMOVE EXISTING WALLPAPER AT ENTRY 100 WALL SURFACES, SAND, FILL CRACKS WHERE REQUIRED AND PREPARE FOR PAINT.
- 40 PAINT WALL SURFACES - COLOR TO BE DETERMINED.



True
ROTATED KEY PLAN
NOT TO SCALE
NORTH



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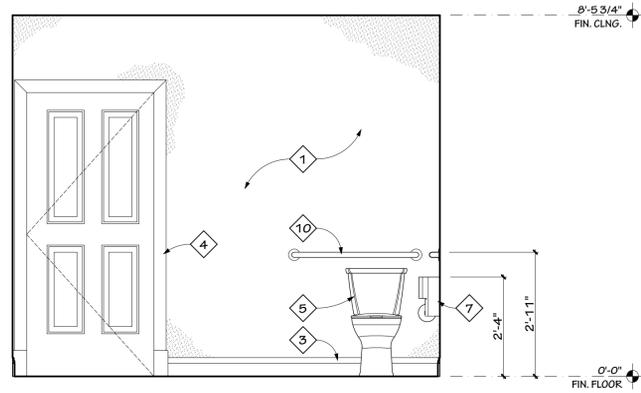
NO.	REVISION	DATE

FILE	DRAWN	ISSUED
18302	DLG	11/02/15

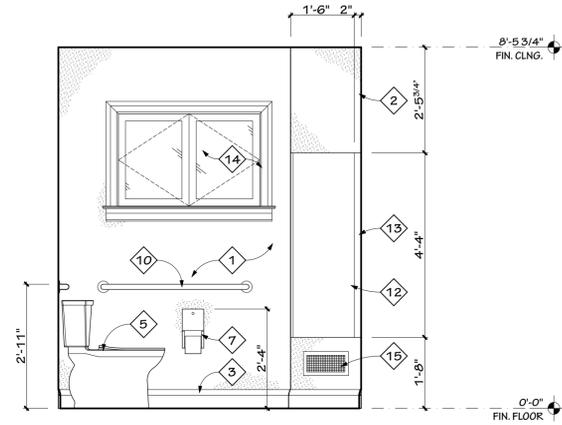
SHEET TITLE
Partial First Floor Plans

SHEET NUMBER

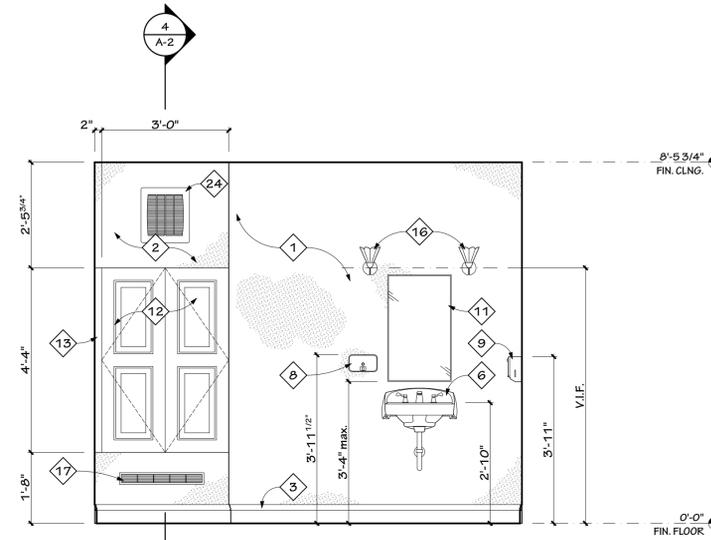
A-1



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



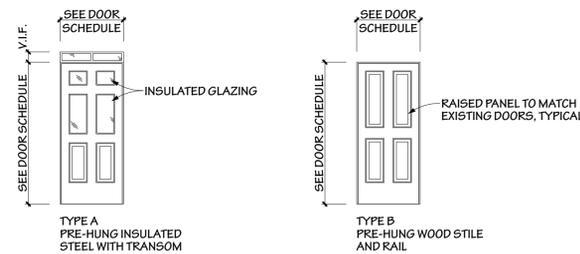
2 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



3 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

Room Finish Schedule									
Rm #	Room Name	Floor	Base	Walls				Ceiling	Remarks
		1. Vinyl Plank	1. Wood/MDF	1. New GWB - Painted				1. GWB - Painted	
		2. Existing Brick	2. Existing	2. Not Used				2. Existing - Painted	
		3. No Work		3. Existing GWB - Painted					
				4. No Work					
				North	South	East	West		
100	Existing Entry	2	1,2	1	3	3	3	2	1
102	New Bathroom	1	1	1	1	3	3	1	

Remarks:
1. Remove Existing wallpaper in Entry 100 and prepare to paint.

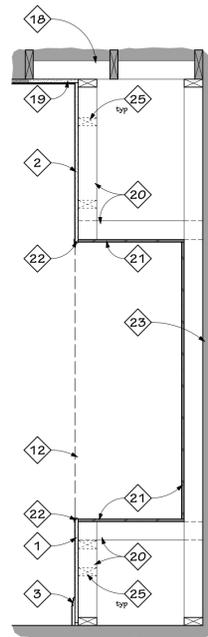


5 DOOR TYPES
SCALE: 1/4" = 1'-0"

Door Schedule									
Door #	Location	DOOR			FRAME			ACCS.	REMARKS
		Size	Type	UL	Type	Head	Jamb		
100	Existing Entry	3/0 x 6/8	A	-	Pre-Hung	3/A-3	5/A-3	7/A-3	1
102	New Restroom	3/0 x 6/8	B	-	Pre-Hung	4/A-3	4/A-3 sim.	6/A-3	2

Hardware Sets

- Hardware Sets - General Notes**
- All hardware shall be commercial grade, ANSI Grade 1 certified.
 - Equal substitutions will be subject to Architect and Owner review/approval.
 - Quantities listed are per door leaf, unless noted otherwise.
 - All thresholds shall be ADA compliant.
- Hardware Set No. 1**
- 1 ea. Entrance Lockset
 - 1 ea. Threshold (provided as part of pre-hung unit)
 - 1 ea. Weatherstripping
 - 1 ea. Floor Stop
- Hardware Set No. 2**
- 1 ea. Privacy Lockset
 - 1 ea. Marble Threshold
 - 3 ea. Silencers - Neoprene
 - 1 ea. Floor Stop



4 SECTION THROUGH CASEWORK
SCALE: 3/4" = 1'-0"

HANDICAP MOUNTING HEIGHTS

ACCESSORY	MOUNTING HEIGHT
RECEPTACLES	18" min. A.F.F. TO ϕ u.n.o.
THERMOSTATS	42" A.F.F. TO ϕ
GRAB BARS, MOUNTED PARALLEL TO FLOOR	33" TO 36" A.F.F. TO TOP OF GRIPPING SURFACE.
URINALS	17" A.F.F. TO RIM max.
TOILETS	17" TO 19" A.F.F. TO TOP OF SEAT
TOILET PAPER DISPENSER	15" TO 48" A.F.F. TO DISPENSER OUTLET.
DRINKING FOUNTAIN	36" max. A.F.F. TO LOWER SPOUT 38" TO 43" A.F.F. TO HIGHER SPOUT (ONE OR TWO SEPARATE UNITS)
UNDER DRINKING FOUNTAIN RIM - CLEAR	27" A.F.F. min.
LAVATORIES/SINKS	34" A.F.F. TO RIM OR COUNTERTOP max.
UNDER LAVATORIES AT APRON - CLEAR	27" A.F.F. min.
MIRROR	40" A.F.F. TO BOTTOM EDGE max.
KNEE SPACE	27" A.F.F. min.
PAPER TOWEL DISPENSER	42" A.F.F. TO FUNCTION
WASTE PAPER RECEPTACLE	42" A.F.F. TO FUNCTION
LIGHT SWITCHES	48" A.F.F. TO ϕ
FIRE EXTINGUISHERS	42" TO FUNCTION
SIGNS (MOUNTING ON LATCH SIDE OF DOOR.) PERMANENT SIGNS MUST BE EQUIPPED WITH BRAILLE.	60" A.F.F. TO ϕ
SOAP DISPENSER	38" TO OPERATING MECHANISM
DIAPER CHANGING STATION	34" A.F.F. TO CHANGING SURFACE

NOTE: THIS IS A GENERAL LIST, NOT ALL ITEMS LISTED ARE INCLUDED IN THIS PROJECT.

CONSTRUCTION NOTES
THIS SHEET ONLY

- CONTRACTOR TO COORDINATE ALL BLOCKING, SUPPORT, ETC. REQUIRED TO INSTALL ALL FIXTURES.
- DIMENSIONS, ETC. SHOWN ARE FOR SPECIFIED FIXTURES. IF ALTERNATE (OR EQUAL) FIXTURES ARE PROVIDED, CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DIMENSIONS, MANUFACTURER'S INSTALLATION REQUIREMENTS AND FIXTURE'S COMPLIANCE WITH ADA REQUIREMENTS. SEE ADA MOUNTING HEIGHT CHART FOR ADDITIONAL INFORMATION.

KEYNOTES
THIS SHEET ONLY

- GWB WALL SURFACE - PAINTED.
- GWB SOFFIT.
- BASE - REINSTALL EXISTING OR PROVIDE NEW BASE TO MATCH EXISTING PROFILE.
- DOOR CASING - MATCH EXISTING PROFILES AND DETAILS.
- ADA COMPLIANT TANK TYPE WATER CLOSET - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ADA COMPLIANT WALL-HUNG LAVATORY - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ADA COMPLIANT, SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER. BOBRICK #B-4288 OR EQUAL.
- ADA COMPLIANT, SURFACE MOUNTED SOAP DISPENSER. BOBRICK #B-2112 OR EQUAL.
- ADA COMPLIANT, SURFACE MOUNTED PAPER TOWEL DISPENSER. BOBRICK #B-26212 OR EQUAL.
- STAINLESS STEEL ADA COMPLIANT GRAB BAR.
- ADA COMPLIANT MIRROR - 18" WIDE BY 30" TALL. BOBRICK #B-165 1830 OR EQUAL.
- CASEWORK - 36" WIDE BY 18" DEEP BY 72" HIGH ON FRAMED WOOD PLATFORM WITH SOFFIT ABOVE. PROVIDE THREE (3) 12" WIDE, ADJUSTABLE SHELVES AND FILLER PANELS AS REQUIRED.
- FILLER PANEL - AS REQUIRED. SCRIBE TO WALL.
- EXISTING WINDOW AND CASING TO REMAIN. IF REQUIRED, INSTALL MISSING, DAMAGED OR ROTTEN CASING AFTER SHOWER DEMOLITION. ANY NEW CASING TO MATCH EXISTING PROFILE.
- PASSIVE AIR GRILLE - 12" WIDE BY 6" TALL. GT AIR VENT GRILLE BY MCKETT OR EQUAL.
- REMOVE AND REINSTALL EXISTING WALL MOUNTED LIGHT FIXTURE. MOUNTING HEIGHT TO MATCH EXISTING FIXTURE HEIGHT.
- ELECTRIC WALL HEATER - INSTALL HEATER IN CENTER OF GWB SURFACE. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- WOOD NAILER, AS REQUIRED.
- PATCH EXISTING CEILING, AS REQUIRED, AFTER DEMOLITION AND INSTALL ONE (1) LAYER OF 0"14" GWB ON ENTIRE CEILING.
- 2x4 WOOD FRAMING, AS REQUIRED.
- 0"12" PLYWOOD SHEATHING ON CONCEALED SURFACES ONLY.
- CONTINUOUS CORNER BEAD AT EDGE BETWEEN GWB AND CABINETRY.
- EXISTING WALL OR FLOOR TO REMAIN.
- EXHAUST FAN - INSTALL FAN IN CENTER OF GWB SURFACE. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE WOOD BLOCKING AS REQUIRED TO SUPPORT WALL HEATER/EXHAUST FAN.



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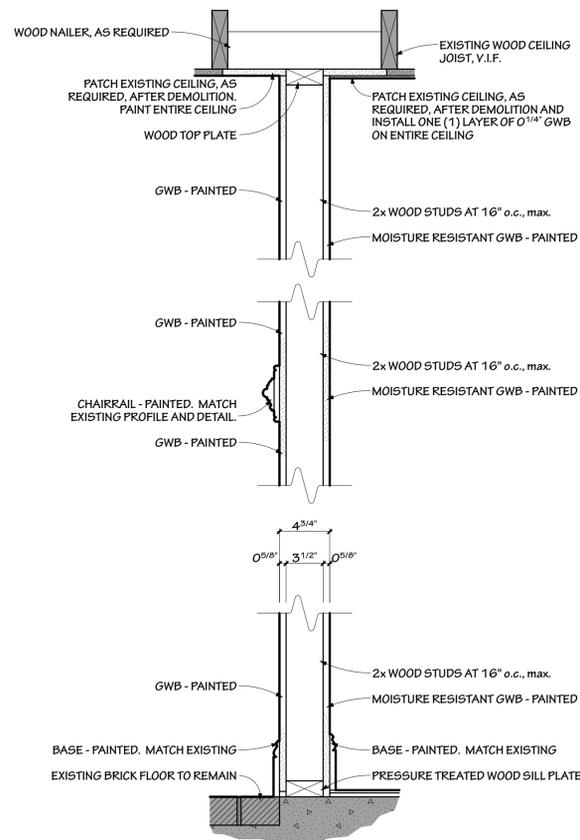
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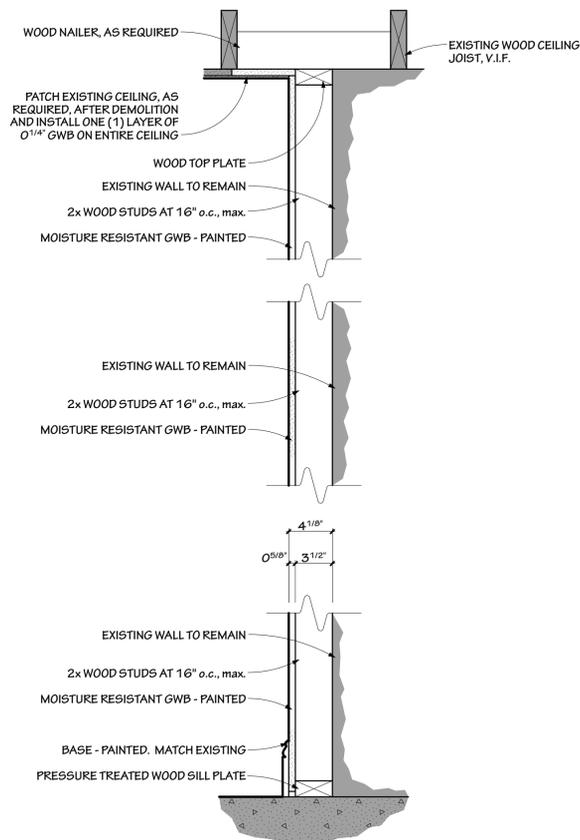
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**Int. Elevs,
Section &
Schedules**

SHEET NUMBER



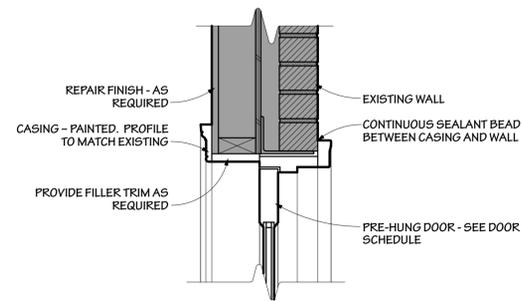
NOTES:
 1. PROVIDE 0 1/2" GAP BETWEEN BOTTOM OF GWB AND TOP OF FLOOR, TYPICAL.
 2. DIRECTION OF CEILING JOISTS MAY VARY, VERIFY EXISTING CONDITIONS IN FIELD.

1 PARTITION TYPE P1
 SCALE: 1-1/2" = 1'-0"

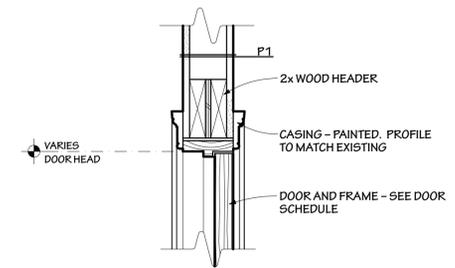


NOTES:
 1. PROVIDE 0 1/2" GAP BETWEEN BOTTOM OF GWB AND TOP OF FLOOR, TYPICAL.
 2. DIRECTION OF CEILING JOISTS MAY VARY, VERIFY EXISTING CONDITIONS IN FIELD.

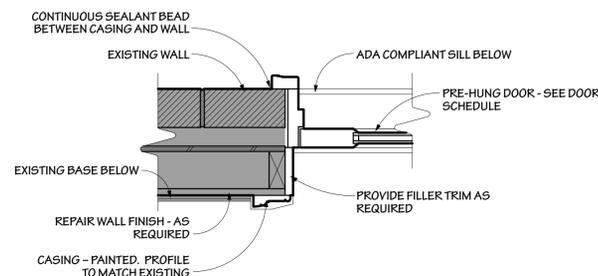
2 PARTITION TYPE P2
 SCALE: 1-1/2" = 1'-0"



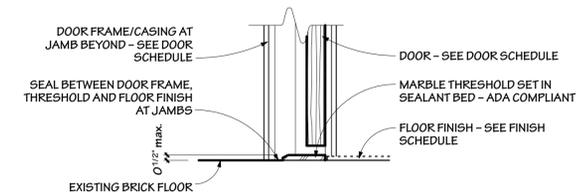
3 EXTERIOR DOOR HEAD
 SCALE: 1-1/2" = 1'-0"



4 INTERIOR DOOR HEAD (JAMB SIM.)
 SCALE: 1-1/2" = 1'-0"

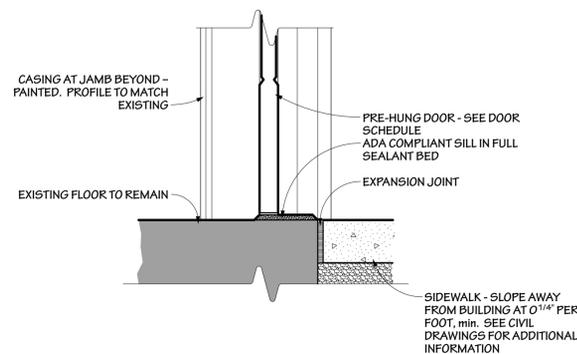


5 EXTERIOR DOOR JAMB
 SCALE: 1-1/2" = 1'-0"



NOTES:
 1. IF THRESHOLD PROJECTS MORE THAN 0 1/4" (TO 0 1/2" max.) ABOVE ADJACENT FINISH FLOOR, THEN IT MUST BE BEVELED AT A SLOPE OF 1 VERTICAL UNIT/2 HORIZONTAL UNITS min.

6 INTERIOR DOOR SILL
 SCALE: 1-1/2" = 1'-0"



7 EXTERIOR DOOR SILL
 SCALE: 1-1/2" = 1'-0"



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SHEET TITLE

Details

SHEET NUMBER

A-3



Tudor Hall Restroom Renovation Harford County Bid # 15-193 Bel Air, Harford County, Maryland 21015



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Table with 3 columns: FILE, DRAWN, ISSUED. Row 1: 18302, DLG, 11/02/15

SHEET TITLE

Specifications

SHEET NUMBER

SECTION 09600 - RESILIENT FLOORING, BASE

- A. EXAMINE ALL SUBSTRATES TO RECEIVE RESILIENT FLOORING WORK, NOTIFY THE OWNER IN WRITING OF ANY UNSATISFACTORY CONDITIONS. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED OR DIRECTED BY OWNER. B. SUBMIT 6 COPIES OF MANUFACTURER'S PRINTED SPECIFICATIONS, INSTALLATION INSTRUCTIONS FOR RESILIENT FLOORING, ACCESSORIES, RESILIENT FLOORING MATERIALS SHALL BE STORED AT JOB SITE IN ORIGINAL CONTAINERS, PACKAGED AT ROOM TEMPERATURE OF NOT LESS THAN 60 DEGREES F. FOR AT LEAST 24 HOURS PRIOR TO INSTALLATION. C. VINYL COMPOSITION PLANK SHALL MEET FEDERAL SPECIFICATION 99-T-312B TYPE 1V. D. PLANK SHALL BE 36" X 4" X 1/8" THICK, AS MANUFACTURED BY ARMSTRONG. COLOR SHALL BE TPO10 "WILD CHERRY MEDIUM" FROM THE "NATURAL CREATIONS ARBORART" COLLECTION. E. PRIMERS, ADHESIVES SHALL BE OF QUALITY, TYPE BEST SUITED FOR SPECIFIC APPLICATIONS, AS RECOMMENDED BY MATERIALS MANUFACTURER. F. PRIOR TO INSTALLING ANY RESILIENT FLOORING, BROOM CLEAN OR VACUUM SURFACES TO BE COVERED, INSPECT SUBFLOORS. SURFACES SHALL BE FREE OF GREASE, DIRT, OIL, CEMENT, SPACKLING COMPOUND OR ANY OTHER FOREIGN MATTER. START OF RESILIENT FLOORING INSTALLATION SHALL INDICATE ACCEPTANCE OF SUBFLOOR CONDITIONS, FULL RESPONSIBILITY FOR COMPLETED ASSEMBLY. G. IF NECESSARY, FILL ALL DEPRESSIONS, CRACKS, CURFING AREAS WITH RECOMMENDED FILLER. ALLOW PROPER CURE TIME PRIOR TO INSTALLATION OF FLOORING. H. APPLY CONCRETE SLAB PRIMER, IF RECOMMENDED BY FLOORING ADHESIVE MANUFACTURER. TEST CONCRETE SURFACE IF REQUIRED TO OBTAIN ACCEPTABLE BOND. I. INSTALL RESILIENT FLOORING AFTER FINISHING OPERATIONS, INCLUDING PAINTING, HAVE BEEN COMPLETED, PERMANENT HEATING SYSTEM IS OPERATIONAL. MOISTURE CONTENT OF CONCRETE SLABS, BUILDING AIR TEMPERATURE, RELATIVE HUMIDITY, MUST BE WITHIN LIMITS RECOMMENDED BY FLOORING MANUFACTURER. J. USE ONLY EXPERIENCED WORKERS. LAY PLANKS TO INSURE CLOSE, EVEN JOINTS, GOOD CONTACT WITH FINISHED SURFACES, TRUE PLANE, SMOOTH FINISH. LAY PLANKS SQUARE WITH ROOM AXIS WITH EDGE PIECES BEING NOT LESS THAN 2 INCHES WIDE WHEREVER POSSIBLE. LAY PLANKS TO PATTERNS INDICATED. K. AFTER COMPLETION OF WORK, VERIFY THAT PLANKS HAS SEATED; ROLL FLOORING AS PER MANUFACTURER'S RECOMMENDATIONS. PLANKS THAT ARE ABOVE LEVEL PLANE OF SURROUNDING PLANKS SHALL BE HEAT-APPLIED LOCALLY AND ROLLED TO MATCH SURROUNDING FLOOR HEIGHT. REPLACE PLANKS THAT HAVE FRACTURES, BREAKS OR IMPERFECTIONS. REPLACE PLANKS THAT HAVE FOREIGN MATTER UNDERNEATH. L. CLEAN FLOOR. ACCESSORIES WITH CLEANER RECOMMENDED BY MANUFACTURER, VENTILATE AREA DURING CLEANING PROCEDURE, FOLLOWING PRECAUTIONS REGARDING FLAMMABILITY OF CLEANERS. M. WAX FLOOR AND PROTECT WITH BUILDING PAPER UNTIL DIRECTED TO REMOVE PAPER. N. INSPECT, MAKE NECESSARY ADJUSTMENTS WITHIN ONE MONTH OF TIME THAT HEAT OR AIR CONDITIONING IS SUPPLIED CONTINUOUSLY ON FINISHED FLOOR. O. PROVIDE 2% OF EACH ITEM IN MARKED CONTAINERS TO OWNER FOR FUTURE REPAIR WORK.

END OF SECTION

SECTION 09900 - PAINTING, FINISHING

- A. ALL PAINT SYSTEMS, COLORS SHALL BE AS SELECTED, APPROVED BY THE ARCHITECT/OWNER. ALL WALL COVERINGS SHALL BE AS SELECTED BY ARCHITECT/OWNER, AS INDICATED ON PLANS. B. IT SHALL BE SOLE RESPONSIBILITY OF THE SUBCONTRACTOR TO DETERMINE THAT THE CONTENTS OF CONTAINERS COMPLY WITH THIS SPECIFICATION. FACT THAT A CONTAINER IS LABELED COMPLETE WITH FORMULA OF MATERIALS WILL NOT BE CONSIDERED BY OWNER AS SPECIFIC PROOF THAT CONTENTS OF CONTAINER ARE AS STATED ON LABEL. FINAL PROOF AS TO CONTENTS, FORMULA OF MATERIAL, IF QUESTIONED BY ARCHITECT SHALL BE DETERMINED BY A COMPLETE CHEMICAL ANALYSIS OF MATERIALS BY A CERTIFIED TESTING LABORATORY AT NO ADDITIONAL COST TO OWNER. C. PAINT SHALL BE DELIVERED TO SITE IN MANUFACTURER'S SEALED CONTAINERS, EACH CONTAINER LABELED BY MANUFACTURER. LABEL SHALL GIVE MANUFACTURER'S NAME, TYPE OF PAINT, FORMULATION, COLOR, AND INSTRUCTIONS FOR USE. D. NO MATERIALS OTHER THAN TYPES SPECIFIED OR APPROVED MAY BE DELIVERED TO PROJECT SITE. UNAPPROVED MATERIALS SHALL BE REMOVED FROM PROJECT SITE IMMEDIATELY. E. STORE MATERIALS ON PREMISES WHERE DIRECTED. KEEP STORAGE SPACES CLEAN, ACCESSIBLE. REMOVE ANY OIL, PAINT SOAKED RAGS, WASTE, LIKE MATERIALS AT CLOSE OF EACH DAY'S WORK. TAKE EVERY PRECAUTION TO AVOID FIRE OR SPONTANEOUS COMBUSTION. IN NO CASE SHALL AMOUNT OF MATERIALS STORED EXCEED THAT PERMITTED BY LOCAL ORDINANCE, STATE LAWS, OR FIRE REGULATIONS. F. EXAMINE SPECIFICATION SECTION OF OTHER TRADES FOR PAINTING, FINISHING REQUIREMENTS, PROVISIONS THEREIN AFFECTING WORK OF THIS SECTION. G. MATERIALS OR WORK LEFT UNFINISHED BY REQUIREMENTS OF OTHER SECTIONS BUT REQUIRED TO BE FINISHED AND PAINTED, SHALL BE FINISHED AND PAINTED TO COMPLETION AS PART OF WORK OF THIS SECTION. H. SPECIAL ATTENTION IS CALLED TO THE FOLLOWING INFORMATION IN REGARD TO NECESSARY INSPECTIONS, APPROVALS PRIOR TO APPLICATION OF MATERIALS. 1. BEFORE ANY PAINT MATERIALS ARE APPLIED, AFTER SURFACES HAVE BEEN PREPARED, NOTIFY CONTRACTOR FOR INSPECTION. 2. VARY SHADES FOR EACH COAT OF PAINT SUFFICIENTLY TO EASILY DISTINGUISH IT FROM THE PREVIOUS COAT OF PAINT. 3. INSPECTION, APPROVAL IS REQUIRED BETWEEN COATS PRIOR TO APPLICATION OF THE NEXT COAT OF PAINT MATERIALS. AFTER FIRST COAT OF PAINT IS APPLIED TO WORK, PAINTER SHALL INSPECT ALL SURFACES AND REPAIR, SAND SMOOTH ANY IMPERFECTIONS. FAILURE TO DO SO SHALL RESULT IN CONDEMNATION OF ALL WORK.

- PRESSURE TREATED WOOD, METAL FURRING AT MASONRY WALLS, AS INDICATED ON DRAWINGS. 2. SCREWS, FASTENERS AND ALL OTHER NECESSARY ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. 3. SPACKLING AND TAPING FOR JOINTS AND SCREWS AS REQUIRED. 4. FINISHING OF ALL SCREW HEADS, JOINTS. B. MATERIALS SHALL BE MANUFACTURED BY U.S. GYPSUM, NATIONAL GYPSUM, MANVILLE, GOLD BOND OR EQUAL. C. STANDARD, MOISTURE RESISTANT TYPE GYPSUM BOARD SHALL BE 1/2 INCH THICK, SHALL HAVE EASED EDGES, TAPERED EDGES SPECIFICALLY DESIGNED TO OVERCOME JOINT DEFORMATION, SHALL COMPLY WITH ASTM C-36. PROVIDE "WONDERBOARD" OR EQUAL CEMENT WALL BOARD WHERE INDICATED ON DRAWINGS. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS. D. METAL FURRING CHANNELS SHALL BE 1 1/2 INCH DEEP ROLL FORMED, HAT OR ZEE SHAPED SECTIONS OF GALVANIZED STEEL. E. METAL STUDS, FLOOR AND CEILING RUNNERS SHALL BE OF SIZES, SPACING, AS INDICATED ON THE DRAWINGS, CHANNEL TYPE, ROLL FORMED FORM GALVANIZED STEEL, DESIGNED FOR SCREW ATTACHMENT, SHALL CONFORM TO ASTM C-645. F. GAGES OF STUDS SHALL BE AS PER MANUFACTURER'S PRINTED LITERATURE, TABLES, LISTING MAXIMUM ALLOWABLE HEIGHTS FOR INDICATED WALL. CONTRACTOR SHALL PROVIDE PROPER GAGE STUD TO SATISFY SPECIFIC WALL CONDITIONS. G. JOINT TREATMENT PRODUCTS SHALL CONFORM TO ASTM C-474 & C-475. H. GYPSUM BOARD SCREW FASTENERS SHALL BE RUST-PROOF, OF SIZE, TYPE AND QUALITY AS RECOMMENDED BY THE MANUFACTURER FOR EACH APPLICATION. I. CORNER BEADS, CASING BEADS, CONTROL JOINTS SHALL BE OF SIZE, TYPE CORRESPONDING TO APPLICATION, BOARD TYPE USED, EXPOSED EDGES, POINTS WHERE BOARD ABUTS OTHER MATERIALS SHALL BE PROTECTED BY U.S.G 200 SERIES METAL TRIM, OR APPROVED EQUAL. J. PROVIDE AS REQUIRED, INDICATED NECESSARY METAL TRIM, ACCESSORIES AS RECOMMENDED BY MANUFACTURER OF GYPSUM BOARD SYSTEM FOR COMPLETE, SATISFACTORY INSTALLATION. K. PRIOR TO STARTING WORK OF THIS SECTION, EXAMINE COMPLETE WORK PROVIDED BY OTHER SECTIONS OF SPECIFICATION. NOTIFY OWNER IN WRITING OF ANY CONDITION THAT WILL PREVENT SATISFACTORY COMPLIANCE WITH THIS SPECIFICATION SECTION. IN SUCH CASE, DO NOT START WORK UNTIL DIRECTED BY OWNER. L. STARTING WORK WILL BE CONSTRUED AS EVIDENCE THAT SUBCONTRACTOR FOR THIS SECTION HAS EXAMINED DRAWINGS, SPECIFICATIONS OF ALL SECTIONS, AND IS PREPARED TO COOPERATE FULLY WITH OTHER SECTIONS SO AS NOT TO DELAY OVERALL PROGRESS OF PROJECT. M. WHEN OUTDOOR TEMPERATURE IS BELOW 55 DEGREES F, HEAT SHALL BE MAINTAINED IN BUILDING CONTINUOUSLY, UNIFORMLY AT NOT LESS THAN 55 DEGREES F, FROM ONE WEEK PRIOR TO BEGINNING OF INSTALLATION UNTIL OWNER OCCUPANCY. ADEQUATE VENTILATION SHALL BE PROVIDED TO REMOVE EXCESS MOISTURE DURING JOINT TREATMENT. N. GYPSUM BOARD SURFACES, CORNERS OF COLUMNS, WALLS, PARTITIONS, CEILINGS SHALL BE ACCURATELY ALIGNED, LEVEL, PLUMB, TRUE TO LINE WITHOUT ANY DEFLECTIONS, BOW OR TWIST, READY TO RECEIVE WITHOUT ADJUSTMENTS INTERIOR FINISH, FURNISHINGS, AND/OR EQUIPMENT. O. METAL RUNNERS SHALL BE ALIGNED, FASTENED WITH RUST-PROOF POWER DRIVEN FASTENERS AS RECOMMENDED BY MANUFACTURERS. P. STEEL STUDS SHALL BE CUT TO LENGTH AS NECESSARY FOR TIGHT FIT. LOCATE STUDS AT OPENINGS TO ACCOMMODATE DOOR FRAMES, MISCELLANEOUS OPENINGS, SECURE STUDS TO CHANNEL AT OPENINGS WITH SELF DRILLING SHEET METAL SCREWS. PROVIDE DOUBLE STUDS AT ALL OPENINGS. COOPERATE WITH OTHER SECTIONS SO THAT FRAMES ARE SET, SECURED BEFORE INSTALLATION OF GYPSUM BOARD. Q. GYPSUM BOARD SHALL BE FASTENED SECURELY TO STUDS WITH SCREWS AS RECOMMENDED BY MANUFACTURER AND AT SPACINGS PER LOCAL BUILDING CODES. PLACE BOARDS WITH LENGTH IN VERTICAL POSITION (EXCEPT WHERE NOTED IN U.L. REQUIREMENTS), WITH MINIMUM AMOUNT OF JOINTS. CUT BOARDS AS NECESSARY TO FIT CEILING WALL PROFILES. NO FREE ENDS OF BOARD WILL BE ALLOWED. ADEQUATE BLOCKING, MANUFACTURER'S SPLICE SYSTEM SHALL BE EMPLOYED AS REQUIRED. CENTER ABUTTING ENDS OVER STUD FLANGES, CORRECT WORK AS NECESSARY SO THAT FACES OF BOARDS ARE FLUSH, SMOOTH, TRUE TO LINES. R. VERTICAL EXTERNAL CORNERS SHALL HAVE METAL TRIM CORNER REINFORCEMENT APPLIED AS PER MANUFACTURER'S DIRECTIONS. S. INTERNAL ANGLES AT INTERSECTION WITH GYPSUM BOARD OR OTHER SURFACE SHALL HAVE TAPED JOINTS, BEDDED, COVERED AS SPECIFIED. APPLY BEDDING COMPOUND OR JOINT CEMENT AS RECOMMENDED BY MANUFACTURER TO TAPERED EDGE JOINTS, END JOINTS, SCREW HEADS. EMBED TAPE WITH COMPOUND (2 COATS MINIMUM) OVER TAPE AT APPROPRIATE INTERVALS IN MANNER RECOMMENDED BY MATERIALS MANUFACTURER. T. SCREW HEADS, DIMPLES, CORNER TRIM FLANGES SHALL RECEIVE AT LEAST 2 COATS TAPING COMPOUND. SMOOTH WITH SPONGE DIPPED IN WATER IF NECESSARY. AVOID ROUGHENING GYPSUM BOARD SURFACE. U. METAL STUDS SHALL BE PLACED NOT EXCEED 24" O.C. (EXCEPT WHERE OTHERWISE NOTED ON DRAWINGS.) COORDINATE WIDTH OF STUD WITH HEIGHT OF WALL TO BE CONSTRUCTED. SET STUDS INTO FLOOR AND CEILING RUNNERS, SECURE STUDS WITH SCREW OR METAL LOCK FASTENERS. V. WHERE DRAWINGS SPECIFY FIRE RATED PARTITIONS OR CEILINGS, CONTRACTOR SHALL HAVE U.L. BOOK OR APPROPRIATE CUT SHEETS AVAILABLE AT SITE AND BE THOROUGHLY FAMILIAR WITH ALL DETAILS REQUIRED FOR CONSTRUCTING WALLS, CEILINGS, CHASES, OTHER ELEMENTS PER U.L. REQUIREMENTS. FOLLOW U.L. REQUIREMENTS EXPLICITLY. W. FINISHED SURFACES WHICH ARE PERMANENTLY STAINED, MARKED, CRACKED OR DAMAGED, MATERIALS WHICH DO NOT CONFORM TO GRADES, OTHER REQUIREMENTS SHALL BE PROMPTLY REMOVED; REPLACED WITH APPLICABLE MATERIALS, WORKMANSHIP, AT NO ADDITIONAL COSTS, UNTIL FINAL ACCEPTANCE OF WORK BY ARCHITECT.

END OF SECTION

- J. SEAL TOP, BOTTOM RAILS, WOOD EXPOSED BY CUTOUTS FOR HARDWARE WITH WOOD FILL PRESERVATIVE OR EQUAL. K. PREFIT CLEARANCES AS FOLLOWS: 1. TOP AND LOCK STILES: 1/8 INCH. 2. HINGE SIDE: 1/16 INCH. 3. BOTTOM: 3/16 INCH AT FLOOR TILES, 1/8 INCH AT THRESHOLDS. 4. BEVEL LOCK STILE AND HINGE STILE AT 1/8 INCH IN 2 INCH SLOPE. L. DOORS FURNISHED UNDER THIS SECTION SHALL BE RECEIVED, CHECKED, STORED UPON DELIVERY. INSTALLED UNDER WORK OF DIVISION 6 - ROUGH CARPENTRY. M. FINISH HARDWARE. SADDLES SHALL BE FURNISHED UNDER DIVISION 6 - FINISH HARDWARE AND RECEIVED, CHECKED AND STORED UNDER DIVISION 6 - ROUGH CARPENTRY.

END OF SECTION

SECTION 08700 - FINISH HARDWARE

- A. HARDWARE SCHEDULE, CATALOG CUTS, DRAWINGS SHALL BE SUBMITTED WITHIN 30 DAYS OF AWARD OF CONTRACT, BEFORE ANY HARDWARE IS FABRICATED. HARDWARE SCHEDULE, CATALOG CUTS, DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. ON FIRST PAGE OF HARDWARE SCHEDULE, STATE MANUFACTURER'S NAME, CATALOG NUMBER OR ITEMS LISTED IN SCHEDULE. B. ARCHITECT SHALL CHECK SCHEDULE, CUT SHEETS, DRAWINGS SUBMITTED FOR QUALITY, TYPES ONLY; HARDWARE SUPPLIER SHALL REMAIN SOLELY RESPONSIBLE FOR QUANTITIES, ERRORS, OMISSIONS, CONFORMANCE WITH THE SPECIFICATIONS, DRAWINGS. C. FURNISH SUITABLE TEMPLATES, TOGETHER WITH APPROVED FINISH HARDWARE SCHEDULE TO RESPECTIVE TRADES, SUPPLIERS AS REQUIRED TO INSURE ACCURATE REINFORCING, FITTING OF HARDWARE. RECEIPT OF APPROVED SCHEDULE IS A PREREQUISITE TO FORWARDING TEMPLATE INFORMATION. D. FURNISH WRITTEN GUARANTEE FOR FINISH HARDWARE WORK, STATING THAT SAID WORK SHALL BE FREE FROM ANY DEFECTS OF MATERIALS, WORKMANSHIP FOR PERIOD OF TWO YEARS AFTER DATE OF C.O. E. HARDWARE SUPPLIER SHALL VISIT JOB AS REQUIRED DURING PERIOD OF ARCHITECTURAL HARDWARE INSTALLATION IN ORDER TO CONSULT, ADVISE, ASSIST CONTRACTOR. SUPPLIER SHALL VISIT JOB AT COMPLETION, PRIOR TO ISSUANCE OF C.O. AND ADJUST ALL DOORS, CLOSERS TO FACTORY SPECIFICATION, ADVISE THE CONTRACTOR ON SUITABILITY OF WORKMANSHIP AND CORRECTION OF ANY DEFECTS THEREIN. F. CONTRACTOR SHALL CHECK DELIVERIES AGAINST APPROVED HARDWARE SCHEDULE, ISSUE RECEIPT FOR SAME, AFTER WHICH CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONDITION OF HARDWARE. ANY MISSING OR DAMAGED ITEMS SHALL BE REPLACED WITHOUT COST TO OWNER. G. ITEMS OF HARDWARE SHALL BE PACKAGED SEPARATELY, LABELED WITH CORRESPONDING SYMBOLS TO THAT OF APPROVED SCHEDULE, IDENTIFY LOCATIONS. H. ITEMS REQUIRED FOR SHOP APPLICATION SHALL BE DELIVERED TO FACTORIES OF RESPECTIVE FABRICATORS AT THIS SUPPLIER'S EXPENSE. 1. FINISH: AS NOTED ON SCHEDULES. 2. LOCKS: KEYED, MASTER KEYED, AS DIRECTED BY OWNER. PROVIDE CONSTRUCTION KEYING FOR ALL LOCKS. 3. CYLINDERS: ALL TO BE REMOVABLE FROM CORE. 4. KEYING: PERFORMED AT MANUFACTURER'S FACTORY. PERMANENT KEYS, ALONG WITH FACTORY PREPARED BITTING LIST, DELIVERED TO OWNER AT COMPLETION OF JOB. I. ITEMS LISTED IN THE SCHEDULE BELOW SHALL BE USED AS SUPPLEMENTAL SCHEDULE TO ALL SPECIFIED HARDWARE DETAILED IN CONSTRUCTION DRAWINGS. 1. LOCK AND LATCH SETS: MEDIUM DUTY LEVER SETS, COMMERCIAL GRADE UNLESS SPECIFICALLY NOTED ON PLANS. THE FOLLOWING MANUFACTURER'S DEVICES MAY BE SUBMITTED: CORBIN, YALE, SARGENT OR EQUAL. 2. BUTT HINGES: COMMERCIAL GRADE 4 INCH BALL BEARING MEDIUM DUTY; HAGER, STANLEY, MCKINNEY, OR EQUAL. 3. DOOR STOPS: QUALITY, IVES, VIOLA, OR EQUAL. 4. WALL BUMPERS: QUALITY, IVES, VIOLA, OR EQUAL. 5. FLUSH BOLTS: QUALITY, IVES, VIOLA, OR EQUAL. 6. DOOR CLOSERS: LCN, RIXON, EQUAL. 7. THRESHOLD AND WEATHERSTRIPPING: PEMKO, VIOLA OR EQUAL. 8. AUTOMATIC FLUSH BOLTS AND COORDINATOR, IVES OR EQUAL. 9. D.A. SPRING HINGES: BOMMER, CHICAGO OR EQUAL. 10. FL HINGES: RIXON, CHECKMATE, OR DOR-O-MATIC OR EQUAL. 11. PANIC HARDWARE: YALE, VON DUPRIN OR EQUAL. J. ALL FINISH HARDWARE SHALL BE INSTALLED UNDER DIVISION NO. 6, COORDINATE ANY ELECTRICAL REQUIREMENTS OF HARDWARE WITH THE GENERAL CONTRACTOR AND THE ELECTRICAL SUBCONTRACTOR. K. HARDWARE SET LISTS: SEE ATTACHED SCHEDULE OR CONSTRUCTION DOCUMENTS. IF HARDWARE IS NOT SPECIFIED BY INDIVIDUAL SETS, SUPPLIER SHALL PREPARE SUBMITTAL, AFTER CONSULTATION WITH THE ARCHITECT. USE AN ESTIMATED BUDGET FIGURE OF \$150.00 TIMES THE TOTAL NUMBER OF DOORS. SUBMITTAL SHALL BE FULLY DETAILED FOR EACH INDIVIDUAL DOOR ON PROJECT.

END OF SECTION

SECTION 08200 - WOOD DOORS

- A. PROVIDE ALL SOLID, HOLLOW CORE DOORS OF BIRCH, PAINT GRADE, OF SIZES, TYPES AND THICKNESS AS INDICATED ON THE DRAWINGS. B. SUBMIT SHOP DRAWINGS FOR ALL DOORS. SUBMIT SAMPLES WHEN REQUESTED BY ARCHITECT. DRAWINGS SHALL SHOW ALL ASSEMBLY DETAILS FOR EACH TYPE OF DOOR. C. GUARANTEE AGAINST WARPING, TWISTING, DELAMINATION, FACE CHECKING, MANUFACTURING DEFECTS WITHIN TOLERANCES DETERMINED BY PROCEDURE NO. QS-236 OF U.S. DEPARTMENT OF COMMERCE FOR A PERIOD OF TWO YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION. REPLACE, REHANG INCLUDING MATERIALS AND LABOR AT NO ADDITIONAL COST TO THE OWNER FOR ANY DOORS THAT HAVE DEFECTS AS DESCRIBED ABOVE. D. COORDINATE DETAILS, SHOP DRAWINGS WITH WOOD AND HOLLOW METAL DOOR FRAMES, HARDWARE MANUFACTURER FOR INSTALLATION OF HARDWARE, HINGES TO FRAME. APPROPRIATE SUBCONTRACTOR SHALL SUPPLY DOOR MANUFACTURER WITH TWO COPIES OF HARDWARE TEMPLATES, ONE SAMPLE OF HARDWARE REQUIRING ANY MACHINING. RETURN SAMPLES WITH SHIPMENT OF DOORS. E. DOORS SHALL BE INDIVIDUALLY PROTECTED, LABELED AND STORED IN PROTECTED AREA UNTIL READY FOR INSTALLATION. F. CONFORM TO ALL APPLICABLE STANDARDS OF FOLLOWING QUALITY STANDARDS: 1. A.W.I. SECTION 1300 FOR INTERIOR FLUSH SOLID CORE DOORS. 2. N.W.M.A. QUALITY CERTIFICATION. 3. COMMERCIAL STANDARDS, C9-236. G. CONFORM TO ALL APPLICABLE REQUIREMENTS OF UNDERWRITERS LABORATORIES, INC. AND NATIONAL BOARD OF FIRE UNDERWRITERS PAMPHLET NO. 80. H. WOOD DOORS SHALL BE AS MANUFACTURED BY WEYERHAEUSER WOOD DOORS CO. OR EQUAL. CORES, STILES, RAILS, SHALL BE CONSTRUCTED OF KILN-DRIED LAMINATED EDGE GRAIN STOCK. STILES SHALL BE 2 PLY, 1-1/2 INCH MINIMUM WIDTH. TOP AND BOTTOM RAILS SHALL BE 4 PLY, 3 INCH MINIMUM WIDTH. ADD EXTRA BLOCKING AS REQUIRED FOR SCHEDULED HARDWARE. I. CROSS BANDING: ONE PLY CROSS BANDING 1/10" THICK SHALL BE RESIN GLUED TO EACH FACE OF CORE. CROSS BANDING SHALL HAVE A GRAIN FACING EXTENDING THE FULL WIDTH, HEIGHT OF DOOR. CROSS BANDING SHALL GUARANTEE AGAINST TELEGRAPHING.

END OF SECTION

DIVISION NINE - FINISHES

SECTION 09200 - DRYWALL CONSTRUCTION

- A. PROVIDE COMPLETE DRYWALL CONSTRUCTION OF ALL WALLS, PARTITIONS, CEILING WORK, RELATED WORK, AS INDICATED ON THE DRAWINGS, AS SPECIFIED HEREIN OR BOTH, INCLUDING BUT NOT NECESSARILY LIMITED TO THE FOLLOWING: 1. STANDARD AND MOISTURE RESISTANT TYPE GYPSUM WALL BOARD ON STEEL STUDS, FRAMING: GYPSUM BOARD ON

- 4. HARDWOOD PLYWOOD: SPECIES AND THICKNESS AS SPECIFIED IN THE DRAWINGS, CUSTOM GRADE IN ACCORDANCE WITH AWI, VENEER CORE, WITH FACE OF PLAIN SLICED GRAIN UNLESS NOTED OTHERWISE. 5. MEDIUM DENSITY FIBERBOARD (MDF) : COMPOSED OF WOOD SHAVINGS MADE WITH WATER RESISTANT ADHESIVE OF MEDIUM DENSITY, SANDED FACES. D. INSTALL ALL FINISH HARDWARE FURNISHED UNDER HARDWARE SECTION. COORDINATE ANY ELECTRICAL CONNECTIONS FOR CABINETS, ELECTRICAL DEVICES WITH GENERAL CONTRACTOR, ELECTRICAL SUB-CONTRACTOR. E. INSTALL ALL COUNTERTOP, BACKSPLASH, ADJUSTABLE SHELVING, CABINETS, VANITIES AS INDICATED ON DRAWINGS. F. PLASTIC LAMINATES SHALL CONFORM TO QUALITY STANDARDS OF NEMA, LD-1. LAMINATE MANUFACTURER, MATERIAL LINE AND COLOR AS INDICATED ON DRAWINGS. IF NO REFERENCE PROVIDED, LAMINATE SHALL BE FORMICA, WILSONART, OR NEVAMAR, AS SELECTED FROM MANUFACTURER'S STANDARD HORIZONTAL GRADE MATERIALS AND COLORS. ALL EXPOSED SURFACES SHALL RECEIVE PLASTIC LAMINATE. G. PROVIDE ALL FINISH CABINET HARDWARE SUCH AS , BUT NOT LIMITED TO, PUSH-PULL, HINGES, PIVOTS, LATCHES, BRACKETS, STANDARDS, DRAW TRACKS, OTHER COMPLETE HARDWARE REQUIRED FOR A COMPLETE INSTALLATION. CABINET HARDWARE, WHERE POSSIBLE, SHALL BE OF THE CONCEALED TYPE, UNLESS SPECIFIED OTHERWISE IN THE DRAWINGS. H. CABINET HARDWARE SHALL BE AS MANUFACTURED BY STANLEY, SORSS, DRYAD, BLUM, K.B.V. GRANT, OR APPROVED EQUAL. SUBMIT CUT SHEETS TO ARCHITECT FOR APPROVAL.

END OF SECTION

SECTION 07900 - SEALANTS

- A. SEALANT FOR INTERIOR STATIONARY JOINTS: ACRYLIC SEALANT, TREMSEAL GP AS MANUFACTURED BY TREMCO OR APPROVED EQUAL. B. SEALANT FOR DOOR THRESHOLDS: BUTYL SEALANT, BLACK. C. SEALANT FOR MASONRY JOINTS, MASONRY AND OTHER MATERIALS: POLYSULFIDE SEALANT, TREMSEAL HP AS MANUFACTURED BY TREMCO OR APPROVED EQUAL. COLOR TO MATCH ADJACENT MORTAR. D. SEALANT FOR WALKS AND CONCRETE: POLYURETHANE SEALANT, DYMERIC AS MANUFACTURED BY TREMCO OR APPROVED EQUAL. E. GENERAL EXTERIOR SEALANT: SILICONE SEALANT, TREMSEAL S AS MANUFACTURED BY TREMCO OR APPROVED EQUAL. F. PRIMERS: IF REQUIRED BY MANUFACTURER, APPLIED AS RECOMMENDED BY SEALANT MANUFACTURER. G. JOINTS TO BE SEALED SHALL BE THOROUGHLY CLEANED; CONCRETE, MASONRY SHALL BE FULLY CURED, FREE OF RELEASE AGENTS, CURING COMPOUNDS OR OTHER SURFACE TREATMENTS. H. JOINTS SHALL BE THOROUGHLY DRY BEFORE INSTALLATION OF ANY SEALANT. I. PROVIDE GENERAL WORKMANSHIP IN STRICT ACCORDANCE WITH MANUFACTURER'S STANDARD PRINTED INSTRUCTIONS, RECOMMENDATIONS. J. PROVIDE WRITTEN GUARANTEE ON WRITTEN FORM, FOR ALL SEALANT WORK FOR FIVE YEARS AGAINST ANY DEFECT IN MATERIAL AND WORKMANSHIP, COMMENCING FROM DATE OF SUBSTANTIAL COMPLETION. GUARANTEE SHALL INCLUDE PROVISIONS TO REPAIR OR REPLACE ALL SEALANT DEFECTS AND DAMAGE TO BUILDING OR CONTENTS CAUSED BY SUCH DEFECTS, WHICH MAY OCCUR DURING THE GUARANTEE PERIOD, AT SEALANT CONTRACTOR/GENERAL CONTRACTOR EXPENSE.

END OF SECTION

DIVISION EIGHT - DOORS AND WINDOWS

SECTION 08200 - WOOD DOORS

- A. PROVIDE ALL SOLID, HOLLOW CORE DOORS OF BIRCH, PAINT GRADE, OF SIZES, TYPES AND THICKNESS AS INDICATED ON THE DRAWINGS. B. SUBMIT SHOP DRAWINGS FOR ALL DOORS. SUBMIT SAMPLES WHEN REQUESTED BY ARCHITECT. DRAWINGS SHALL SHOW ALL ASSEMBLY DETAILS FOR EACH TYPE OF DOOR. C. GUARANTEE AGAINST WARPING, TWISTING, DELAMINATION, FACE CHECKING, MANUFACTURING DEFECTS WITHIN TOLERANCES DETERMINED BY PROCEDURE NO. QS-236 OF U.S. DEPARTMENT OF COMMERCE FOR A PERIOD OF TWO YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION. REPLACE, REHANG INCLUDING MATERIALS AND LABOR AT NO ADDITIONAL COST TO THE OWNER FOR ANY DOORS THAT HAVE DEFECTS AS DESCRIBED ABOVE. D. COORDINATE DETAILS, SHOP DRAWINGS WITH WOOD AND HOLLOW METAL DOOR FRAMES, HARDWARE MANUFACTURER FOR INSTALLATION OF HARDWARE, HINGES TO FRAME. APPROPRIATE SUBCONTRACTOR SHALL SUPPLY DOOR MANUFACTURER WITH TWO COPIES OF HARDWARE TEMPLATES, ONE SAMPLE OF HARDWARE REQUIRING ANY MACHINING. RETURN SAMPLES WITH SHIPMENT OF DOORS. E. DOORS SHALL BE INDIVIDUALLY PROTECTED, LABELED AND STORED IN PROTECTED AREA UNTIL READY FOR INSTALLATION. F. CONFORM TO ALL APPLICABLE STANDARDS OF FOLLOWING QUALITY STANDARDS: 1. A.W.I. SECTION 1300 FOR INTERIOR FLUSH SOLID CORE DOORS. 2. N.W.M.A. QUALITY CERTIFICATION. 3. COMMERCIAL STANDARDS, C9-236. G. CONFORM TO ALL APPLICABLE REQUIREMENTS OF UNDERWRITERS LABORATORIES, INC. AND NATIONAL BOARD OF FIRE UNDERWRITERS PAMPHLET NO. 80. H. WOOD DOORS SHALL BE AS MANUFACTURED BY WEYERHAEUSER WOOD DOORS CO. OR EQUAL. CORES, STILES, RAILS, SHALL BE CONSTRUCTED OF KILN-DRIED LAMINATED EDGE GRAIN STOCK. STILES SHALL BE 2 PLY, 1-1/2 INCH MINIMUM WIDTH. TOP AND BOTTOM RAILS SHALL BE 4 PLY, 3 INCH MINIMUM WIDTH. ADD EXTRA BLOCKING AS REQUIRED FOR SCHEDULED HARDWARE. I. CROSS BANDING: ONE PLY CROSS BANDING 1/10" THICK SHALL BE RESIN GLUED TO EACH FACE OF CORE. CROSS BANDING SHALL HAVE A GRAIN FACING EXTENDING THE FULL WIDTH, HEIGHT OF DOOR. CROSS BANDING SHALL GUARANTEE AGAINST TELEGRAPHING.

- C. OWNER WILL OCCUPY BUILDING DURING DEMOLITION. CONDUCT WORK IN ORDER TO MINIMIZE DISRUPTION TO BUILDING OPERATION. PROVIDE TEMPORARY BARRIERS AS REQUIRED BY LOCAL CODES, ORDINANCES, REGULATIONS. REMOVE AT COMPLETION OF WORK. D. USE WATER SPRINKLING, TEMPORARY ENCLOSURE, OTHER METHODS TO MINIMIZE DUST AND DIRT INFILTRATION TO ADJACENT AREAS. E. REPAIR ALL DAMAGE TO ADJACENT FACILITIES TO ORIGINAL CONDITION. F. LOCATE, IDENTIFY, DISCONNECT, STUB OFF UTILITY SERVICES AS PART OF MECHANICAL ELECTRICAL DESIGN/BUILD. G. SAW CUT MASONRY, CONCRETE WORK BEFORE REMOVING AS INDICATED ON DRAWINGS. H. DEMOLISH WALLS, FOUNDATIONS TO 8 INCHES BELOW FINISH FLOOR LEVEL. I. COMPLETELY FILL BELOW-GRADE AREAS, VOIDS RESULTING FROM DEMOLITION WORK. PROVIDE APPROVED FILL, COMPACTING TO 95% IN 6 INCH LIFTS. J. TITLE TO MATERIALS: EXCEPT AS SPECIFIED OTHERWISE, ALL MATERIALS SHALL BECOME PROPERTY OF CONTRACTOR AND SHALL BE REMOVED FROM PREMISES, DISPOSED OF IN LAWFUL MANNER. PROVIDE CERTIFICATES TO OWNER AS REQUIRED.

END OF SECTION

DIVISION SIX - WOOD

SECTION 06100 - ROUGH CARPENTRY

- A. LUMBER SHALL BE AS PER ASSOCIATION GRADES, SIZES BASED ON AMERICAN LUMBER STANDARDS SPR-R-16. B. GRADING SHALL BE AS PER GRADING CRITERIA OF MANUFACTURER'S ASSOCIATION WHO RULES WHERE LUMBER IS PRODUCED. C. LUMBER SHALL BE SPRUCE, SOUTHERN PINE, DOUGLAS FIR, HEMLOCK, SURFACED 4 SIDES, CONSTRUCTION GRADE OR BETTER, BEAKING TRADE MARK, MILL I.D., AND GRADE. D. LUMBER SHALL BE KILN DRIED TO A MOISTURE CONTENT OF NOT MORE THAN 19%, FREE FROM DEFECTS THAT MAY IMPAIR STRENGTH OR DURABILITY OF LUMBER. E. WOOD-PRESERVATIVE-TREATED LUMBER 1. PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPAC 2 WITH PRESERVATIVE CHEMICALS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND CONTAINING NO ARSENIC OR CHROMIUM. 2. KILN-DRY LUMBER AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. MARK LUMBER WITH TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSO BOARD OF REVIEW. 3. APPLICATION: TREAT THE FOLLOWING: a. WOOD CANTS, NAILERS, CURBS, EQUIPMENT SUPPORT BASES, BLOCKING, STRIPPING AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS AND WATERPROOFING. b. WOOD SILLS, SLEEPERS, BLOCKING AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE. c. WOOD FRAMING AND FURRING ATTACHED DIRECTLY TO THE INTERIOR OF BELOW-GRADE EXTERIOR MASONRY OR CONCRETE WALLS. d. WOOD FRAMING MEMBERS THAT ARE LESS THAN 18 INCHES (460 MM) ABOVE THE GROUND IN CRAWLSPACES OR UNEXCAVATED AREAS. F. WOOD FLOOR PLATES THAT ARE INSTALLED OVER CONCRETE SLABS-ON-GRADE. G. PLYWOOD FOR ROUGH CARPENTRY SHALL CONFORM TO U.S. PRODUCTS STANDARD PS-1 AND AMERICAN PLYWOOD ASSOCIATION QUALITY STANDARDS, BEST EXTERIOR GRADE ONLY, REGARDLESS OF THE APPLICATION. H. ROOF & WALL SHEATHING: AS APPROPRIATE FOR SPECIFIC APPLICATION, IN COMPLIANCE WITH APA RATINGS AND GUIDELINES. I. NAILS, OTHER FASTENERS FOR EXTERIOR USE SHALL BE GALVANIZED, OR APPROVED NON-FERROUS METAL. J. LUMBER IN CONTACT WITH CONCRETE, SOIL, STEEL, PLASTER, MASONRY SHALL BE PRESURE TREATED WITH "WOLMAN SALTS" OR EQUAL. K. PRESERVATION PROCESS SHALL BE ONE OF THE FOLLOWING: a. WOLMAN PRESERVATIVE DEPARTMENT OF KOPPERS CO., INC. b. OSMOSE WOOD PRESERVING COMPANY OF AMERICA. c. APPROVED EQUAL. L. PROVIDE WOOD STUDS, FRAMING, FURRING, BLOCKING, NAILING STRIPS, GROUNDS, CURBING, CANTS AS REQUIRED AND INDICATED FOR COMPLETE INSTALLATION. SIZE, SPACING OF ROUGH CARPENTRY SHALL BE AS INDICATED ON THE DRAWINGS. M. PROVIDE ROUGH HARDWARE, BOLTS, ANCHORS, FASTENINGS, TEMPORARY PROTECTION OF TYPES AND SIZES AS REQUIRED FOR SATISFACTORY COMPLETION AND PROTECTION OF THE WORK.

END OF SECTION

SECTION 06200 - FINISH CARPENTRY

- A. ALL FINISH CARPENTRY WORK ITEMS SHALL BE SHOP MANUFACTURED, ASSEMBLED INTO THE LARGEST POSSIBLE COMPONENTS PRACTICAL FOR SHIPPING, HANDLING, INSTALLATION. B. ALL FINISH CARPENTRY WORK SHALL BE PROVIDED AS PER ALL APPLICABLE STANDARDS OF A.W.I. "PREMIUM GRADE QUALITY STANDARDS." C. UNLESS OTHERWISE SPECIFIED, FINISH CARPENTRY MATERIALS SHALL BE AS FOLLOWS: 1. SOFTWOOD LUMBER: PS 20, CUSTOM GRADE IN ACCORDANCE WITH AWI, PINE OR FIR. 2. HARDWOOD LUMBER: PAINT GRADE OR HIDDEN AREAS: WHITE BIRCH, CUSTOM GRADE IN ACCORDANCE WITH AWI; STAIN GRADE: SPECIES AND THICKNESS AS SPECIFIED IN DRAWINGS, PREMIUM GRADE IN ACCORDANCE WITH AWI. 3. SOFTWOOD PLYWOOD: PS1, APPEARANCE QUALITY, ROTARY CUT GRAIN.

END OF SECTION

TECHNICAL SPECIFICATIONS:

SPECIFICATION EXPLANATION:

- 1. THESE SPECIFICATIONS SHALL BE OF THE ABBREVIATED, OR "STREAMLINED" TYPE AND INCLUDE INCOMPLETE SENTENCES. OMISSION OF WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL", "IN CONFORMITY THERewith", "SHALL BE", "AS NOTED ON THE DRAWINGS", ACCORDING TO THE PLANS", "A", "THE" AND "ALL" ARE INTENTIONAL. OMITTED WORDS OR PHRASES SHALL BE SUPPLIED BY INFERENCE IN THE SAME MANNER AS THEY ARE WHEN A "NOTE" OCCURS IN THE DRAWINGS. 2. WHENEVER THE WORD "APPROVED", "SATISFACTORY", "DIRECTED", "SUBMITTED", "INSPECTED" OR SIMILAR WORDS OR PHRASES ARE USED, IT SHALL BE ASSUMED THE WORD "ARCHITECTS" FOLLOWS THE VERB AS THE OBJECT OF THE CLAUSE SUCH AS "APPROVED BY THE ARCHITECT". 3. THE CONTRACTOR SHALL PROVIDE ALL THE ITEMS, ARTICLES, MATERIALS, OPERATIONS OR METHODS LISTED, MENTION OR SCHEDULED ON THE DRAWINGS AND/OR HEREIN, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTAL NECESSARY AND REQUIRED FOR THEIR COMPLETION. 4. PROVIDE LABOR, MATERIALS, NECESSARY EQUIPMENT, SERVICES TO COMPLETE WORK RELATED TO EACH TECHNICAL SECTION OF SPECIFICATIONS, AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN, OR BOTH, EXCEPT FOR ITEMS SPECIFICALLY INDICATED AS "NOT IN CONTRACT (N.I.C.). 5. REFERENCE TO STANDARD SPECIFICATIONS SHALL MEAN THE LATEST EDITION OF SUCH SPECIFICATIONS.

DIVISION ONE - GENERAL REQUIREMENTS

SECTION 01110 - ITEMS NOT IN CONTRACT (N.I.C.)

- A. ALL ITEMS LISTED AS N.I.C. ON THE DRAWINGS. B. VERIFY ITEMS SUPPLIED BY OWNER & INSTALLED BY G.C.

END OF SECTION

SECTION 01140 - TEMPORARY CONTROLS

- A. CONTRACT LIMITS OF CONSTRUCTION AREA ARE INDICATED ON SITE PLAN. EQUIPMENT, MATERIAL, PERSONNEL AND PARKING MUST STAY WITHIN THESE LIMITS. B. PROVIDE, MAINTAIN APPROVED TEMPORARY OUTSIDE TOILET FACILITIES FOR USE OF PERSONS WORKING ON SITE. KEEP TOILETS IN SANITARY CONDITION, PROVIDE TOILET TISSUE IN SUITABLE HOLDER. COMPLY WITH LOCAL, STATE AND FEDERAL HEALTH REQUIREMENTS, SANITATION REGULATIONS. REMOVE TEMPORARY TOILETS AT COMPLETION OF J. C. PERMANENT PLUMBING FIXTURES SHALL NOT BE USED DURING CONSTRUCTION. D. DAMAGE, TO EXPEDITE WORK. E. INSTALL TEMPORARY ENCLOSURES TO FACILITATE HEATING AND DRYING. F. PROVIDE, PAY FOR FUEL, POWER AND EQUIPMENT TO MAINTAIN TEMPORARY HEAT, IF REQUIRED. IF PERMANENT SYSTEM IS USED DURING CONSTRUCTION, CLEAN ALL COILS, ELEMENTS AND REPLACE FILTERS PRIOR TO RELEASING STRUCTURE TO OWNER. G. KEEP WORKING, STORAGE AREAS FREE FROM WATER THAT COULD DAMAGE OR INTERFERE WITH THE PROGRESS OF THE WORK. DISPOSE OF WATER TO DESIGNATED POINTS TO PREVENT EXCESSIVE EROSION OR DAMAGE TO THE ENVIRONMENT OR ADJACENT PROPERTY. H. PROVIDE, PAY FOR ELECTRICAL POWER FOR CONSTRUCTION TO DATE OF ISSUANCE OF OCCUPANCY PERMIT. PROVIDE ALL NECESSARY EQUIPMENT REQUIRED FOR ADEQUATE SUPPLY OF ELECTRICITY FOR POWER AND LIGHT. I. INSTALL UTILITY CONNECTIONS, PIPING TO MEET REQUIREMENTS OF COMPLETE PROJECT. J. FURNISH, EQUIP, MAINTAIN, AIR CONDITION A SUITABLE OFFICE FOR G.C. AND OTHER CONTRACTORS AS G.C. DEEMS NECESSARY. PROVIDE TABLE FOR EXAMINATION OF CONTRACT DOCUMENTS. K. CONTRACTOR TO PROVIDE SUITABLE STORAGE AREA, FOR GC AND SUBCONTRACTORS USE, WITH RAISED FLOOR WHEN NECESSARY TO PROTECT MATERIALS, EQUIPMENT FROM ELEMENTS. L. REMOVE TEMPORARY UTILITIES, SHEDS, CONSTRUCTION WHEN NO LONGER NECESSARY. M. CLEAN ALL SPACES THAT WERE OCCUPIED BY TEMPORARY WORK. REMOVE DEBRIS, RUBBISH FROM SITE ON A WEEKLY BASIS. N. INSTALLATION, MAINTENANCE OF TEMPORARY FACILITIES SPECIFIED HEREIN SHALL BE IN STRICT CONFORMANCE WITH APPLICABLE CODES, RULES, REGULATIONS, OR OTHER PUBLICATIONS OF OTHER PUBLIC AGENCIES HAVING JURISDICTION UPON WORK.

END OF SECTION

SECTION 01200 - ALLOWANCES

- A. NONE

END OF SECTION

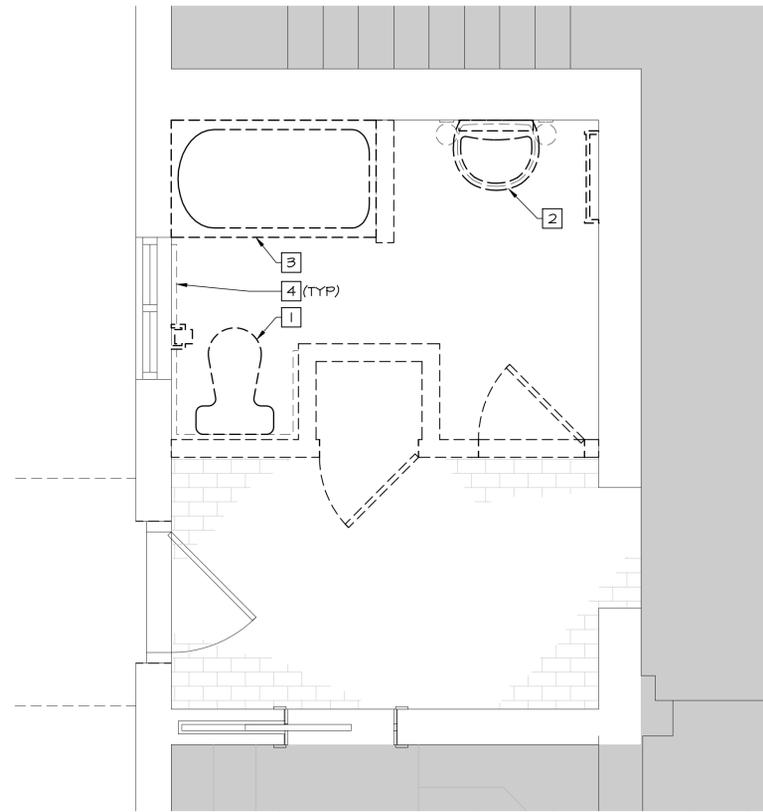
SECTION 01320 - GENERAL AND SUPPLEMENTAL CONDITIONS

- A. REFER TO HARFORD COUNTY SUPPLEMENTAL CONDITIONS.

END OF SECTION

SECTION 024119 - SELECTIVE DEMOLITION

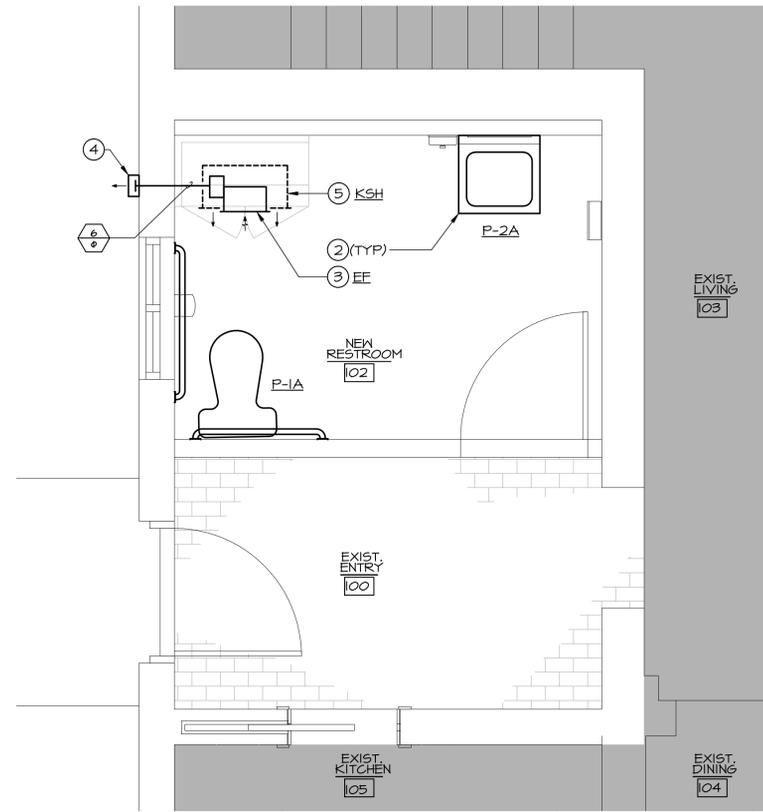
- A. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND SERVICES NECESSARY FOR AND REASONABLE INCIDENTAL TO COMPLETE SELECTIVE DEMOLITION WORK. B. INFORMATION SHOWN ON DRAWINGS IS INTENDED AS A GUIDE ONLY. FIELD VERIFY ALL CONDITIONS.



DEMOLITION MECHANICAL PLAN
SCALE: 1/2" = 1'-0"

DRAWING NOTES

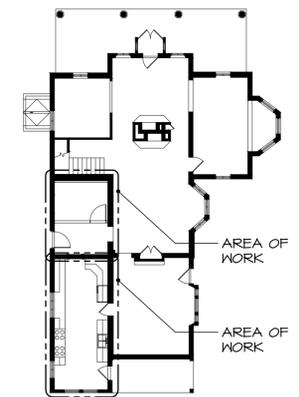
- 1 REMOVE AND REPLACE FLOOR MOUNTED (TANK TYPE) WATER CLOSET IN PLACE AND IN KIND. CONTRACTOR SHALL REMOVE ASSOCIATED DOMESTIC COLD WATER PIPING AND ANGLE STOP VALVE BACK TO WALL FOR REUSE. CLEAN WAX RING FROM WATER CLOSET FLANGE TO MAKE READY FOR REUSE. IF FLANGE IS DAMAGED REPLACE IN KIND FOR CONNECTION OF NEW FIXTURE. REFER TO MECHANICAL PLAN, THIS SHEET, FOR ADDITIONAL INFORMATION.
- 2 REMOVE AND REPLACE PEDESTAL SINK AND ASSOCIATED DOMESTIC COLD WATER PIPING AND ANGLE STOP VALVES BACK TO WALL FOR REUSE. CONTRACTOR SHALL RECONFIGURE SANITARY PIPING TO BE LOCATED IN WALL FOR INSTALLATION OF NEW WALL MOUNTED FIXTURE. REFER TO MECHANICAL PLAN, THIS SHEET, FOR ADDITIONAL INFORMATION.
- 3 REMOVE TUB & SHOWER ALL ASSOCIATED FITTINGS, VALVES, DOMESTIC WATER, SANITARY AND VENT PIPING. CAP AND SEAL SANITARY PIPING IN FLOOR TO MATCH ADJACENT SURFACES.
- 4 REMOVE EXISTING HYDRONIC BASEBOARD HEATING. CAP AND SEAL PIPING BELOW FLOOR. PATCH FLOOR TO MATCH ADJACENT SURFACES. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



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

DRAWING NOTES

- 1 SEE ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
- 2 PROVIDE PLUMBING FIXTURE. REFER TO PLUMBING FIXTURE SCHEDULE, SHEET M-2, FOR ADDITIONAL INFORMATION.
- 3 PROVIDE WALL MOUNTED EXHAUST FAN. REFER TO SCHEDULE, SHEET M-2, FOR ADDITIONAL INFORMATION.
- 4 PROVIDE WALL CAP FOR TERMINATION OF EXHAUST DUCTWORK.
- 5 PROVIDE FULLY RECESSED ELECTRIC KICKSPACE HEATER WITH INTEGRAL THERMOSTAT AND DISCONNECT IN BASE OF CABINET. CONTRACTOR SHALL INSTALL WITH INSULATION AROUND ALL SIDES AND ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. REFER TO ELECTRIC KICKSPACE HEATER SCHEDULE, SHEET M-2, AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



KEY PLAN
NO SCALE
SCALE: 1/2" = 1'-0"

PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS, AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER, AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.

Tudor Hall Restroom Renovation
Harford County Bid # 15-193
17 Tudor Lane
Bel Air, Harford County, Maryland 21015



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, DANIEL FURMAN, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32320, EXPIRATION DATE: JUNE 9, 2016.

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NO.	REVISION	DATE
FILE	DRAWN	ISSUED
14043	DJY	11/02/15

SHEET TITLE
Mechanical Plan

SHEET NUMBER

M-1

GENERAL NOTES

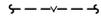
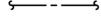
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH LOCAL CODES AND LANDLORD'S LEASING SPECIFICATION AND DRAWINGS.
- MECHANICAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.
- ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED AND RECOGNIZED TESTING AGENCY SUCH AS UL, FM, OR ETL.
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH LOCAL CODES, THE INTERNATIONAL MECHANICAL CODE (IMC), THE INTERNATIONAL PLUMBING CODE (IPC), THE PROJECT SPECIFICATIONS AND DRAWINGS.
- EXISTING CONDITIONS AS SHOWN ON PLANS WERE OBTAINED FROM ORIGINAL BUILDING DRAWINGS AND "SPOT-VERIFIED" DURING FIELD SURVEY. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL ACTUAL CONDITIONS, MAKING NOTE OF ANY DEVIATIONS FROM THESE PLANS, WHERE DEVIATIONS AFFECT INSTALLATION OF NEW WORK AS SHOWN HEREIN, CONTRACTOR SHALL CONSULT WITH THE ENGINEER BEFORE PROCEEDING.
- EXISTING CONDITIONS CLARIFICATION: ALL EXISTING CONDITION FLOOR PLANS, EXISTING EQUIPMENT/DEVICE LOCATIONS AND SIZES, ETC. SHOWN ON THE CONTRACT DOCUMENTS INDICATE EXISTING CONDITIONS AS KNOWN. THE EXISTING CONDITIONS ARE NOT INTENDED TO BE "AS BUILT" AND MAY DIFFER FROM THOSE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS, PARTICULARLY WHERE THEY MAY IMPACT THE PROPOSED WORK, PRIOR TO STARTING CONSTRUCTION. MINOR VARIATIONS CAN BE EXPECTED. ANY REQUIRED DEVIATION FROM THE CONTRACT DOCUMENTS AS A RESULT OF DIFFERING SITE CONDITIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, DUCT LAYOUT, ETC. EXISTING CONDITIONS HAVE BEEN OBTAINED FROM RECENT FIELD SURVEY.
- COORDINATE ALL NEW INSTALLATIONS WITH EXISTING PIPING, EQUIPMENT, DUCTWORK, CONDUIT, ETC. ABOVE THE CEILINGS. ADJUST NEW WORK AS REQUIRED.
- ALL EQUIPMENT SHALL BE INSTALLED AND SERVICE CLEARANCES MAINTAINED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
- ALL NEW DOMESTIC WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICES AND AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- ALL SANITARY AND VENT DRAINAGE PIPING SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC (ABOVE/BELOW SLAB) WITH FITTING SPECIFICALLY DESIGNED FOR USE IN DRAINAGE SYSTEM.
- REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
- CONTRACTOR SHALL OBTAIN APPROVED SHOP DRAWINGS FOR ALL EQUIPMENT PRIOR TO INSTALLING ON THE JOB. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COMMENTS ON SHOP DRAWINGS.
- ALL DUCTWORK, PIPING AND EQUIPMENT MUST BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE ABOVE.
- DUCTWORK SHALL BE GALVANIZED STEEL, WITH SHEETMETAL GAUGES IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS. ALL DUCTWORK INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH SMACNA STANDARDS. DUCTWORK SHALL BE CONSTRUCTED AND SEALED TO LOW PRESSURE CLASSIFICATION STANDARDS (2" S.P. AND BELOW) INCLUDING LONGITUDINAL AND TRANSVERSE SEAMS, JOINTS AND CONNECTIONS PER IECC 2006 (PARA 8503.2.1.1).
- UPON COMPLETION OF THE MECHANICAL INSTALLATIONS, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER ONE COMPLETE SET OF PRINTS OF THE MECHANICAL CONTRACT DRAWINGS WHICH SHALL BE LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES AND DEPARTURES OF THE INSTALLATION AS COMPARED WITH THE ORIGINAL DESIGN. THEY SHALL BE SUITABLE FOR USE IN PREPARATION OF RECORD DRAWINGS.
- CLARIFICATION: IF THE CONTRACT DOCUMENTS ARE FOUND TO BE UNCLEAR, AMBIGUOUS, OR CONTRADICTORY, THE CONTRACTOR MUST REQUEST CLARIFICATION FROM THE ENGINEER BEFORE PROCEEDING WITH THAT PART OF THE WORK.
- THE ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT IN ACCORDANCE WITH THE INTENT OF THESE DRAWINGS.
- MECHANICAL CONTRACTOR SHALL VERIFY ALL VOLTAGES OF MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN AND ORDERING EQUIPMENT.
- CLARIFICATION OF DRAWINGS: SHOULD A BIDDER FIND DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS, OR SHOULD HE BE IN DOUBT WITH REGARD TO THEIR INTENT, HE SHALL NOTIFY THE ENGINEER BEFORE SUBMITTING HIS BID PROPOSAL. THE ENGINEER SHALL THEN SEND WRITTEN INSTRUCTIONS TO ALL BIDDERS. ORAL INSTRUCTIONS SHALL NOT BE BINDING TO EITHER THE ENGINEER OR OWNER. IF THIS CONTRACTOR FAILS TO COMPLY WITH THIS REQUIREMENT, HE SHALL ACCEPT THE ENGINEER'S INTERPRETATION REGARDING THE INTENT OF THE CONTRACT DOCUMENTS.

PLUMBING FIXTURE SCHEDULE								
ITEM #	DESCRIPTION	PIPE SIZES				TRAP TYPE	MODEL	TRIM
		C.W.	H.W.	SAN.	VENT			
P-1A	WATER CLOSET -TANK TYPE HANDICAPPED	1/2"	-	4"	2"	INTEGRAL	215AA.104 CADET PRO RIGHT HEIGHT EL	9500C CHURCH WHITE SEAT
P-2A	LAVATORY - WALL HUNG HANDICAPPED	1/2"	1/2"	1 1/2"	1 1/4"	P-TRAP	0356.015 LUCERNE	4802.000 BASE FAUCET 3/2H HANDLES (NOTE Ø)

NOTES

- CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- ALL FIXTURES SHALL BE PROVIDED WITH NECESSARY TRIM, INCLUDING SUPPLIES, ANGLE STOP VALVES.
- TRAPS, WAX SEALS, FAUCETS AND ESCUTCHEONS AS REQUIRED. SPECIALTY TRIM SHALL BE AS NOTED BELOW.
- ALL FIXTURES SHALL BE WHITE.
- UNLESS OTHERWISE NOTED, ALL MODEL NUMBERS ARE BASED ON AMERICAN STANDARD.
- MOUNTING HEIGHT SHALL BE IN ACCORDANCE WITH ANSI A117.1 (1998) ACCESSIBILITY STANDARDS.
- PROVIDE INSULATION OF ALL PIPING BELOW LAVATORY USING TRUE-BRO PACKAGE.
- PROVIDE GRID DRAIN.
- FLUSH VALVE HANDLES SHALL BE LOCATED ON MOST ACCESSIBLE SIDE OF ADA WATER CLOSET.
- CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

SYMBOLS LIST & ABBREVIATIONS:

<input checked="" type="checkbox"/>	SUPPLY AIR DIFFUSER		SANITARY PIPE (SAN)
<input checked="" type="checkbox"/>	RETURN AIR GRILLE (REGISTER)		VENT PIPE (V)
<input checked="" type="checkbox"/>	EXHAUST AIR GRILLE (REGISTER)		COLD WATER PIPE (C.W.)
\$	ON/OFF SWITCH		HOT WATER PIPE (H.W.)
→	DIRECTION OF AIR FLOW (POSITIVE)		PIPE DOWN
←	DIRECTION OF AIR FLOW (NEGATIVE)		PIPE UP
⊙	CONNECT TO EXISTING SYMBOL		CLEANOUT (FLOOR & WALL)
∅	CUBIC FEET PER MINUTE		BALL VALVE
φ	DIAMETER		SINGLE PHASE
1/2	UNDERCUT DOOR		BACK DRAFT DAMPER
①	DRAWING NOTE- NEW WORK		BTUH BRITISH THERMAL UNITS/HOUR
①	DRAWING NOTE- DEMOLITION		RPM REVOLUTIONS PER MINUTE
EX.	EXISTING		EF EXHAUST FAN
	DUCTWORK SIZE - PLAN VIEW 12" WIDE BY 10" HIGH		TYP TYPICAL
	DUCT SIZE (Ø*φ)		KSH KICKSPACE HEATER

EXHAUST FAN SCHEDULE							
ITEM #	AREA SERVED	C.F.M.	WATTS	E.S.P.	R.P.M.	VOLT/PHASE	MODEL#
EF-1	NEW RESTROOM 102	80	66	0.375	878	120V/1φ	GEMINI 6C-144

NOTE

- ALL MODEL NUMBERS ARE BASED ON COOK UNLESS OTHERWISE NOTED.
- PROVIDE BACKDRAFT DAMPER, PREWIRED FAN SPEED CONTROLLER, AND TIME DELAY SWITCH.
- PROVIDE GRILLE WITH FINISH TO BE SELECTED BY ARCHITECT.
- PROVIDE WALL CAP FOR EXHAUST DISCHARGE WITH FINISH TO BE SELECTED BY ARCHITECT.

ELECTRIC KICKSPACE HEATER SCHEDULE								
ITEM #	AREA SERVED	TOTAL K.W.	C.F.M.	AIR TEMP. RISE °F	VOLT/PHASE	FAN H.P.	FAN R.P.M.	MODEL #
KSH-1	NEW RESTROOM 102	1.5	-	-	120V/1φ	-	-	MARKEL TSH20J

NOTE

- PROVIDE INTEGRAL DISCONNECT AND INTEGRAL THERMOSTAT.
- FINISH TO BE SELECTED BY ARCHITECT.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

MIRA

Buildings Group

MORRIS & RITCHIE ASSOCIATES, INC.

Architects, Engineers, Planners, Surveyors and Landscape Architects
1220-C East Joppa Road, Suite 505
Towson, Maryland 21286
410-821-1690
410-821-1748 Fax



TELEVENT ENGINEERING INC.
2216 Commerce Road, Suite 1
Forest Hill, MD 21050
410-492-5816
www.tel-eng.com

**Tudor Hall
Restroom Renovation
Harford County Bid # 15-193**
 Bel Air, Harford County, Maryland 21015



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, DANIEL FURMAN, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32320, EXPIRATION DATE: JUNE 9, 2016.

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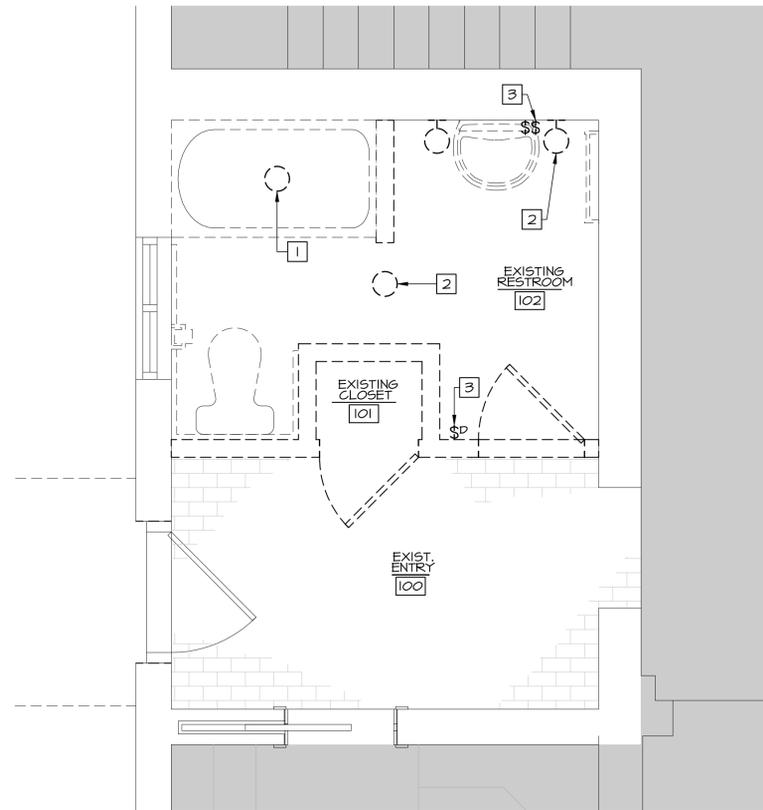
NO.	REVISION	DATE
FILE	DRAWN	ISSUED
14043	DJY	11/02/15

SHEET TITLE
Schedules, Symbols, and Abbreviations

SHEET NUMBER

M-2

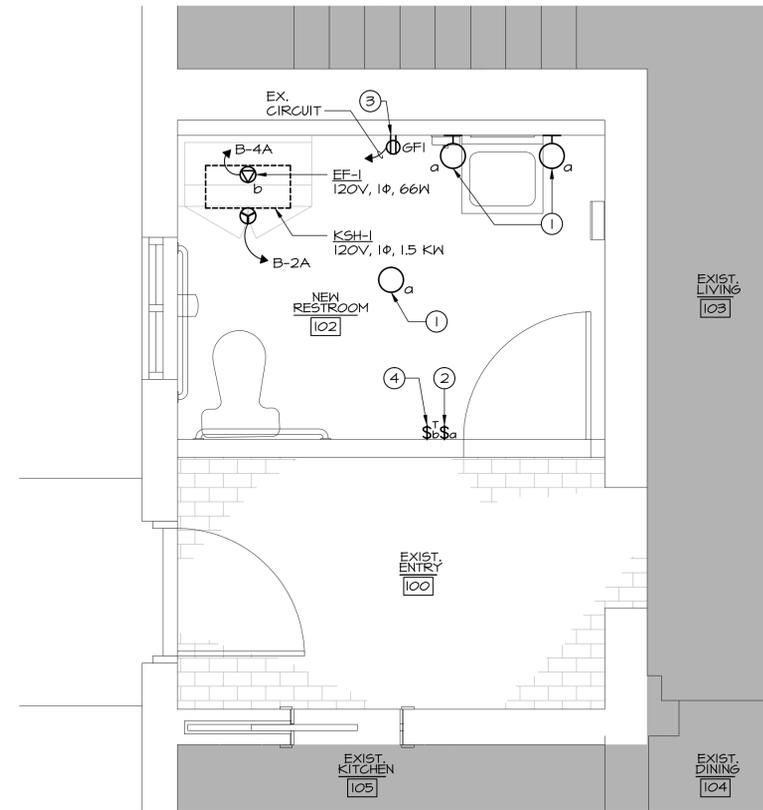
Construction Documents



DEMOLITION ELECTRICAL PLAN
SCALE: 1/2" = 1'-0"

DRAWING NOTES

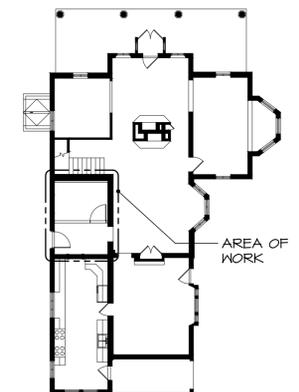
- 1 EXISTING LIGHT FIXTURE TO BE REMOVED.
- 2 EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALLED DURING NEW WORK PHASE.
- 3 REMOVE EXISTING LIGHT SWITCH. PREPARE BRANCH CIRCUIT WIRING FOR EXTENSION AND RECONNECTION DURING NEW WORK PHASE.



① ELECTRICAL PLAN
SCALE: 1/2" = 1'-0"

DRAWING NOTES

- 1 REINSTALL EXISTING LIGHT FIXTURE MADE AVAILABLE THROUGH DEMOLITION PHASE. CLEAN, INSPECT, AND RELAMP FIXTURE PRIOR TO REINSTALLING. EXTEND AND RECONNECT BRANCH CIRCUIT WIRING AS REQUIRED.
- 2 PROVIDE NEW WALL MOUNTED (SINGLE POLE THREEWAY, DUAL TECHNOLOGY VACANCY SENSOR) SWITCH AS INDICATED. EXTEND WIRING AS REQUIRED TO CONTROL LIGHTING FIXTURES WITHIN DESIGNATED SPACE AND OR AS INDICATED WITH LOWERCASE SUBSCRIPTS. SWITCH MOUNTING HEIGHT SHALL COMPLY WITH ADA MOUNTING HEIGHT.
- 3 NEW GFI RECEPTACLE. EXTEND AND CONNECT TO EXISTING 120V, 15/20A RECEPTACLE SERVING AREA.
- 4 PROVIDE AND INSTALL NEW 120V, 15A RATED, TOGGLE STYLE SWITCH WITH TIME DELAY OFF (ADJUSTABLE). COORDINATE WITH MECHANICAL.



KEY PLAN
NO SCALE
SCALE: 1/2" = 1'-0"

PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS, AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER, AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.



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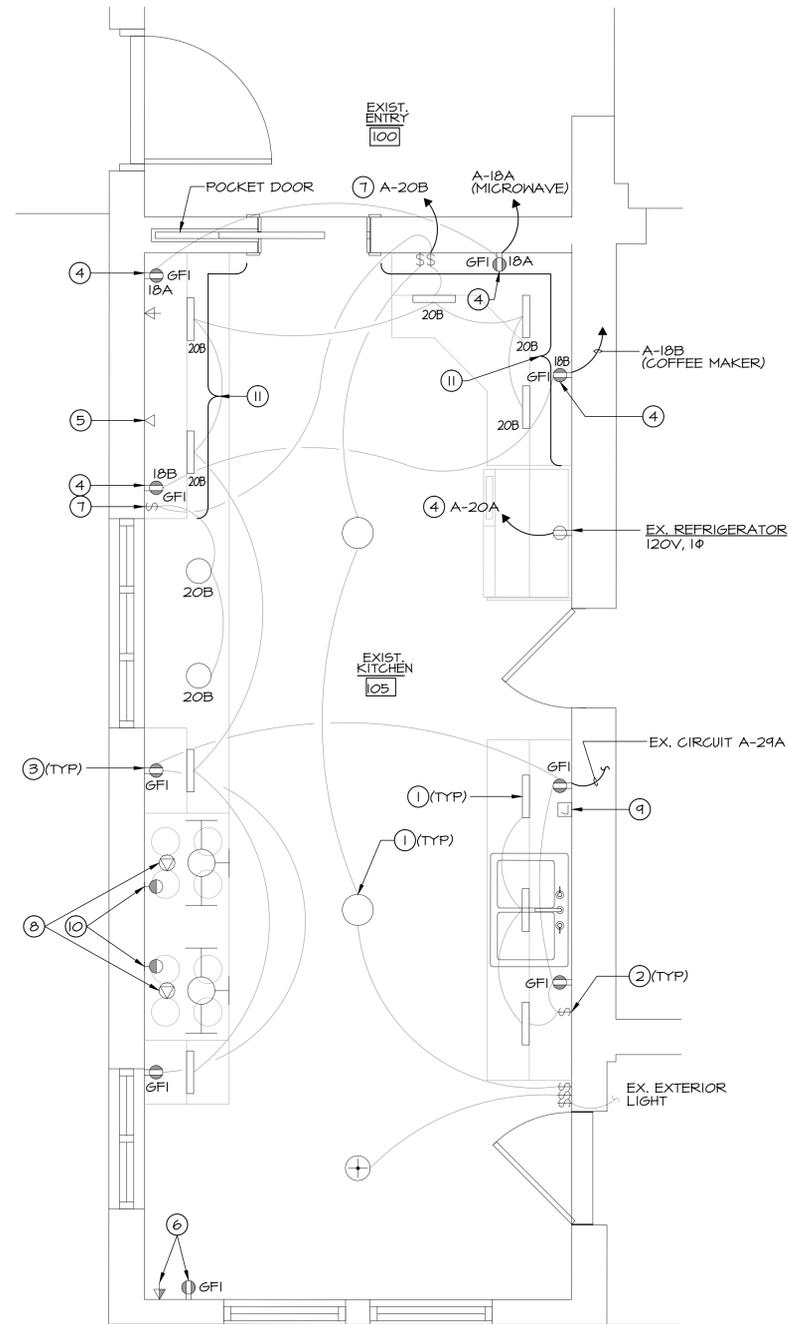
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14043	CBH	11/02/15

SHEET TITLE
Electrical Plan

SHEET NUMBER

E-1

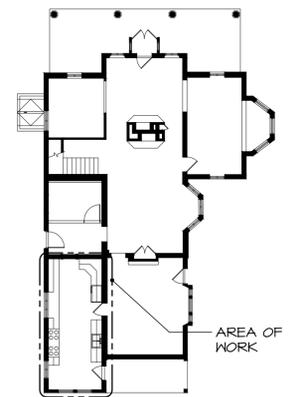


⑫ **KITCHEN ELECTRICAL PLAN**
SCALE: 1/2" = 1'-0"

DRAWING NOTES

- ① EXISTING LIGHT FIXTURE TO REMAIN.
- ② EXISTING LIGHT SWITCH TO REMAIN.
- ③ EXISTING RECEPTACLE TO REMAIN.
- ④ EXISTING RECEPTACLE TO REMAIN AND BE RECIRCUITED.
- ⑤ REMOVE COAX OUTLET DEVICE AND REPLACE WITH BLANK COVER PLATE WITH BLACK FINISH TO MATCH EXISTING.
- ⑥ REMOVE RECEPTACLE AND COAX OUTLET DEVICE AND PROVIDE BLANK COVER PLATE WITH WHITE FINISH TO MATCH EXISTING. ABANDON WIRING IN PLACE.
- ⑦ DISCONNECT EXISTING BRANCH CIRCUIT WIRING ON LINE SIDE OF LIGHT SWITCH AND PROVIDE NEW CIRCUITING/HOMERUN AS INDICATED.
- ⑧ DISCONNECT BRANCH CIRCUIT WIRING FROM EXHAUST HOOD AND GAS COOK TOP BELOW. PROVIDE JUNCTION BOX WITH BLANK COVERPLATE TO ABANDON WIRING IN PLACE. CAP EXPOSED END OF WIRES WITH WIRE NUTS.
- ⑨ DISCONNECT BRANCH CIRCUIT WIRING FROM DISHWASHER. PROVIDE JUNCTION BOX WITH BLANK COVERPLATE TO ABANDON WIRING IN PLACE. CAP EXPOSED END OF WIRES WITH WIRE NUTS.
- ⑩ DISCONNECT BRANCH CIRCUIT WIRING FROM OVENS BELOW GAS COOK TOP. PROVIDE JUNCTION BOX WITH BLANK COVERPLATE TO ABANDON WIRING IN PLACE. CAP EXPOSED END OF WIRES WITH WIRE NUTS.
- ⑪ NOTE TO GENERAL CONTRACTOR: REMOVE SOLID SURFACE BACKSPLASH AT THIS LOCATION (SHOWN ON PLAN) AS REQUIRED TO ACCOMMODATE HORIZONTAL ROUTING OF NEW BRANCH CIRCUIT WIRING REQUIRED FOR RECIRCUITING OF SAID DEVICES. CUT AND PATCH DRYWALL AS REQUIRED. REINSTALL SOLID SURFACE BACKSPLASH TO RESTORE TO ORIGINAL CONDITIONS PRIOR TO PROJECT COMPLETION. COORDINATE WITH ELECTRICAL CONTRACTOR.
- ⑫ BRANCH CIRCUIT WIRING CLARIFICATION: IT IS THE DESIGN INTENT TO EXTEND NEW BRANCH CIRCUIT WIRING FROM THE INDICATED PANEL(S) ACROSS THE CEILING OF THE UNFINISHED BASEMENT AND TURN VERTICALLY UP TO FIRST FLOOR CEILING VIA NEW FURRED OUT WALL IN FIRST FLOOR RESTROOM (102). SEE ARCHITECTURAL DRAWINGS. CONTINUE BRANCH CIRCUIT WIRING HORIZONTALLY ABOVE FIRST FLOOR CEILING, ACROSS ENTRY VESTIBULE (100) AND TURN VERTICALLY DOWN EXISTING WALL COMMON WITH KITCHEN (105). FINALLY, EXTEND WIRING HORIZONTALLY BEHIND EXISTING SOLID SURFACE BACKSPLASH TO RESPECTIVE DEVICE INDICATED ON THE PLAN. FULLY COORDINATE ROUTING WITH GENERAL CONTRACTOR TO CUT AND PATCH EXISTING DRYWALL CEILING/WALLS AS REQUIRED.

NOTE: ALL SWITCHES AND RECEPTACLES TO BE DISCONNECTED SHALL HAVE BLANK COVERPLATES INSTALLED MATCHING EXISTING COVERPLATES IN TYPE, STYLE, SIZE AND FINISH (BLACK).



KEY PLAN
NO SCALE
SCALE: 1/2" = 1'-0"

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**Tudor Hall
Restroom Renovation
Harford County Bid # 15-193**
17 Tudor Lane
Bel Air, Harford County, Maryland 21015



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SHEET TITLE
Kitchen Electrical Plan

SHEET NUMBER

E-2

