

READING SCHOOL DISTRICT - RHS RENOVATIONS FOR:

RED KNIGHT'S KEEP

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READING, PA 19604

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ABBREVIATIONS

AB	ANCHOR BOLT(S)	ELEC	ELECTRIC(AL)	JST	JOIST	RECPT	RECEPTICAL
AC	AIR CONDITIONING	ELEV	ELEVATION	JNT/JT	JOINT	REF	REFERENCE REFRIGERATOR
ACT	ACOUSTICAL CEILING TILE	ENGR	ENGINEER	K	KIP	REFL	REFLECTED
ADJ	ADJACENT	EQ	EQUAL	LAM	LAMINATED	RENF	REINFORCED
AFF	ABOVE FINISHED FLOOR	EQUIP	EQUIPMENT	LAV	LAVATORY	REP	REPRESENTATIVE
ALUM	ALUMINUM	EWC	ELECTRIC WATER COOLER	LN	LINEAL, LINEAR, LINEOLEUM	REQD	REQUIRED
ALT	ALTERNATE	EXH	EXHAUST	LT	LIGHT	RH	ROUGH OPENING
APPROX	APPROXIMATELY	EXP JT	EXPANSION JOINT	RS	RISER(S)	RWC	RAIN WATER CONDUCTOR
ARCH	ARCHITECTURAL	EXT	EXTERIOR	MAS	MASONRY	SEC	SECTION
ARCHT	ARCHITECT	EXTD	EXTENDED	MAX	MAXIMUM	SF	SQUARE FOOT/FEET
BD	BOARD	EXIST	EXISTING	MDO	MEDIUM DENSITY OVERLAY	SHT	SHEET
BLDG	BUILDING	FAR	FLOOR AREA RATIO	MEF	MEDIUM DENSITY FIBERBOARD	SIM	SIMILAR
BLK	BLOCK	FD	FLOOR DRAIN	MEH	MECHANICAL	SPEC	SPECIFICATION
BLKG	BLOCKING	FE	FIRE EXTINGUISHER	MEI	MEDIUM	SP	SPRINKLER
BTH	BOTTOM	FEI	FIRE EXTINGUISHER FINISH	MFR	MANUFACTURER	SQ	SQUARE
BRG	BEARING	FIXT	FIXTURE	MIN	MINIMUM	STD	STANDARD
CT	CERAMIC TILE	FL	FLOOR	MISC	MISCELLANEOUS	STL	STEEL
CL	CONTROL JOINT	FLUR	FLOURESCENT	MO	MASONRY OPENING	STL	STANDARD
CL	CENTER LINE	FRM	FRAME	MTD	MOUNTED	STRCT	STRUCTURAL
CMU	CONCRETE MASONRY UNIT	FRMG	FRAMING	MTL	METAL	STBL	STAINLESS STEEL
CONR	CENTER	FTG	FOOTING	NAT	NATURAL	SUSP	SUSPENDED
CO	CLEANOUT	FT	FOOT, FEET	NVA	NOT APPLICABLE	SYS	SYSTEM
COL	COLUMN	GA	GAUGE	NO	NOT IN CONTRACT NUMBER	T&G	TONGUE & GROOVE
CONG	CONCRETE	GALV	GALVANIZED	NTS	NOT TO SCALE	TD	TREAD(S)
CONFG	CONFIGURATION	GC	GENERAL CONTRACTOR	OC	ON CENTER	TEL	TELEPHONE
CONT	CONTINUOUS	GLS	GLASS	OD	OUTSIDE DIAMETER	TRK	THICK
CONST	CONSTRUCTION	GSS	GROSS SQUARE FEET	OPNG	OPENING	TRD	TREATED
COORD	COORDINATE	GNB	GYPSUM WALL BOARD	OVD	OVERHEAD	TYP	TYPICAL
CLR	COLOR	HB	HOSE BIB	PERP	PERPENDICULAR	UL	UNDERWRITERS LABORATORY
CSHNT	CASEMENT	HD	HARD	PL	PLATE	UR	URINAL
CV	CONVERSION VARNISH	HDVD	HARDWOOD	PLAS	PLASTIC	VB	VAPOR BARRIER
CM	COLD WATER	HV	HOLLOW METAL	FLYS	PLYWOOD	VCT	VINYL COMPOSITION TILE
D	DEPTH DRYER	HORIZ	HORIZONTAL	PNT	POINT	VERT	VERTICAL
DBL	DOUBLE	HR	HOUR	POL	POLISHED	W	WITH
DEMO	DEMOLISH	HOT	HEIGHT	PR	PAIR	W/O	WITHOUT
DTL	DETAIL	HYAC	HEATING, VENTILATING & AIR CONDITIONING	PSF	POUNDS PER SQUARE FOOT	WC	WATER CLOSET
DH	DOUBLE HUNG	HH	HOT WATER	PSI	POUNDS PER SQUARE INCH	WD	WOOD
DIA	DIAMETER	ID	INSIDE DIAMETER	PVD	PAINTED	WH	WATER HYDRANT
DIV	DIVISION	IN	INCHES	PVC	POLYVINYL CHLORIDE	WR	WATER RESISTANT
DN	DOWN	INSUL	INSULATION	RAD	RADIUS	WT	WEIGHT
DR	DOOR	INT	INTERIOR	RCP	REFLECTED CEILING PLAN	WV	WELODED WIRE FABRIC
DR	DOWNSPOUT	INV	INVERT	RD	ROOF DRAIN		
DS	DISH WASHER						
DWS	DRAWING						
EA	EACH						
EIFS	EXTERIOR INSULATION FINISH SYSTEM						

SYMBOLS

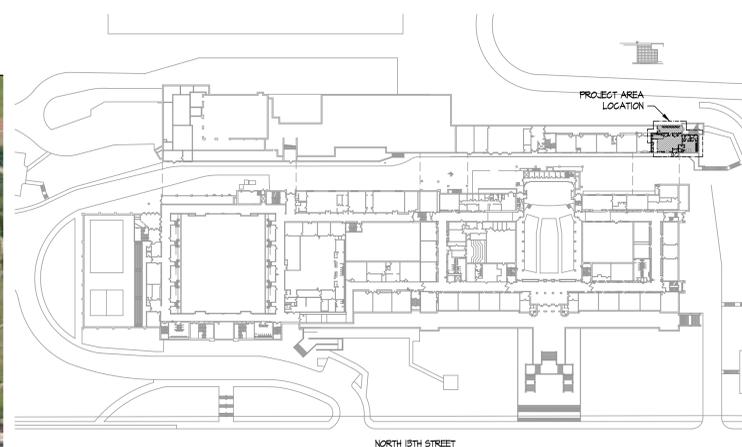
+ 103.4	EXISTING POINT ELEVATION (PLAN)		BUILDING SECTION LETTER REFERENCE DRAWING NUMBER
+ 103.4	NEK OR REQUIRED POINT ELEVATION		EXTERIOR ELEVATION LETTER REFERENCE DRAWING NUMBER
	EXISTING CONTOURS ELEVATION NOTED ON HIGH SIDE		DETAIL NUMBER REFERENCE DRAWING NUMBER
	NEK CONTOURS ELEVATION NOTED ON HIGH SIDE		INTERIOR ELEVATION NUMBER (TYP)
	TEST BORING		DETAIL NUMBER
	LEVEL LINE CONTROL POINT OR DATUM		DETAIL TITLE DETAIL SCALE
	MATCH LINE SHADED PORTIONS - THE SIDE CONSIDERED		REFERENCE DRAWING NUMBER
	REVISION NUMBER		PLAN NORTH
	OFFICE ROOM NAME ROOM NUMBER		MAGNETIC NORTH
	DOOR NUMBER		STAIR DIRECTION SYMBOL
	WINDOW NUMBER		
	WALL/PARTITION TYPE NUMBER		
	COLUMN NUMBER		

MATERIAL INDICATIONS

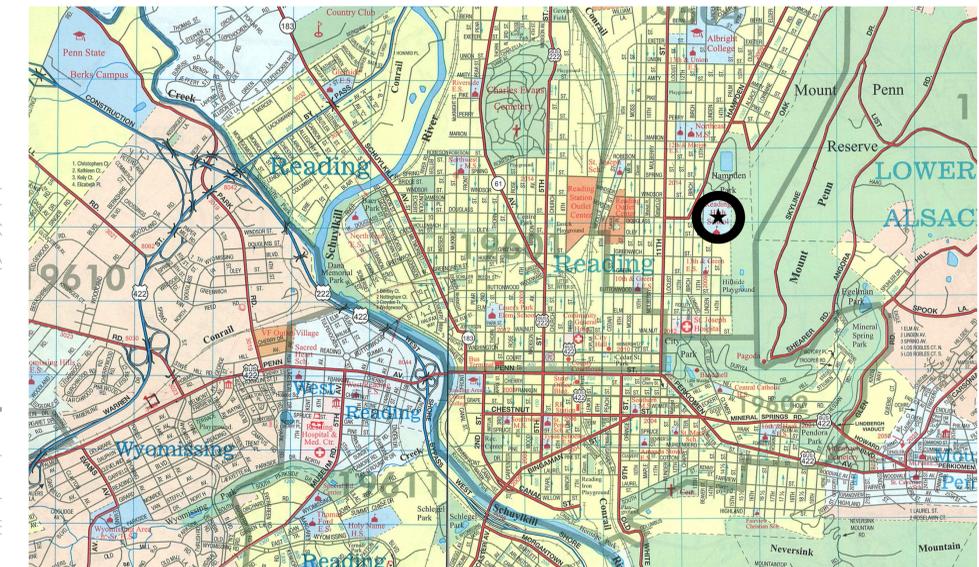
	CONCRETE		BATT INSUL
	CONCRETE MASONRY UNIT		EXTERIOR INSULATION FINISH SYSTEM VINYL WALL COVERING
	BRICK		PLYWOOD
	CRUSHED STONE		FINISHED HD
	EARTH		GYPSUM WALLBOARD PLASTER OR STUCCO FINISH
	STEEL		CAST STONE
	RIGID INSULATION		FIELD STONE



01 PERSPECTIVE VIEW
SCALE: NTS



02 SITE PLAN / KEY PLAN
SCALE: NTS



03 LOCATION MAP
SCALE: NTS

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PROFESSIONAL SEAL

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COVER SHEET

PROJ. NO.: 2204
DATE: 10.16.23
SCALE: AS NOTED **CS.01**

GENERAL NOTES

© COPYRIGHTS TO CUSTOM DESIGNS ON THIS DRAWING ARE RETAINED BY KAUTTER & KELLEY ARCHITECTS WITH ASSIGNMENT TO CLIENTS. MANUFACTURERS OR VENDORS ONLY THROUGH SPECIFIC CONTRACTUAL AGREEMENT.

THESE GENERAL NOTES ARE TO BE FOLLOWED IN CONJUNCTION WITH THE PROJECT MANUAL AND SPECIFICATIONS FOR THIS PROJECT. REFER TO SPECIFICATIONS FOR BASIC AND DETAIL REQUIREMENTS.

1. FIELD CONDITIONS

A. G.C. WILL EXAMINE THE JOB SITE TO BECOME FAMILIAR AND SATISFIED WITH CONDITIONS UNDER WHICH THEY WILL BE OPERATING AND PERFORMING THE WORK. THE OWNER WILL BE OCCUPYING PORTIONS OF THE EXISTING SPACE WHICH ARE TO BE SEPARATED FROM THE AREAS OF NEW CONSTRUCTION.

B. G.C. WILL VERIFY AND BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS ON SITE BEFORE ORDERING MATERIALS, FABRICATION OR INSTALLATION. VERIFY ALL MEASUREMENTS AT THE BUILDING AS THE WORK AND COORDINATION OF TRADES REQUIRES.

C. G.C. WILL NOTIFY THE ARCHITECT WHEN LAYING OUT PARTITIONS TO ALLOW FOR ON SITE ADJUSTMENTS REQUIRED BY BUILDING PLAN VARIATIONS OR AS MAY BE REQUIRED BY ADJACENT INSTALLATIONS AND MEP SYSTEMS.

2. CONTRACT DOCUMENTS AND SUBMITTALS

A. G.C. TO PROVIDE BAR-CHART CONSTRUCTION SCHEDULE AND SUBMITTAL SCHEDULE AS IDENTIFIED BY DIVISION 5 SPECIFICATIONS. UPON APPROVAL OF THE SUBMITTAL SCHEDULE, THE G.C. WILL VERIFY AVAILABILITY OF MATERIALS AND PRODUCTS AND THAT SELF-PROPRIETARY ITEMS ARE SPECIFIED USING UP TO DATE IDENTIFICATION NUMBERS. ALL IRREGULARITIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

B. DO NOT SCALE DRAWINGS. NOTIFY THE ARCHITECT IN CASES OF DIMENSIONAL OR INFORMATIONAL DISCREPANCIES OR CONFLICTS REQUIRING CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

C. IN THE CASE OF CONFLICTING INFORMATION WITHIN THE CONTRACT DOCUMENTS, COMPLY WITH THE MOST STRINGENT REQUIREMENT.

D. SUBMIT SHOP DRAWINGS FOR ARCHITECT'S APPROVAL, PRIOR TO FABRICATION AND BEFORE COMMENCING ROUGHWORK. ASSOCIATED WITH REQUIRED SUBMITTALS, G.C. TO CLEARLY INDICATE DEVIATIONS FROM REQUIREMENTS IN CONTRACT DOCUMENTS, INCLUDING VARIATIONS AND LIMITATIONS. INCLUDE RELEVANT ADDITIONAL INFORMATION AND REVISIONS, OTHER THAN THOSE REQUESTED BY ARCHITECT ON PREVIOUS SUBMITTALS. PROVIDE CONTRACTOR'S REVIEW AND APPROVAL MARKINGS AND ACTION TAKEN BY ARCHITECT. DO NOT SUBMIT TO ARCHITECT WITHOUT PRIOR REVIEW WITH PERTINENT NOTATIONS, BY SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS. CONTRACTOR REPRESENTS TO OWNER AND ARCHITECT THAT CONTRACTOR HAS (1) REVIEWED AND APPROVED THEM, (2) DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA RELATED THERETO, OR WILL DO SO, AND (3) CHECKED AND COORDINATED INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH REQUIREMENTS OF THE WORK. VERIFYING ACCESS OF OVERSEER, PROJECT AND/OR MATERIALS IS THE RESPONSIBILITY OF THE G.C.

E. DIMENSIONS GIVEN ARE TO ROUGH CONSTRUCTION UNLESS NOTED OTHERWISE. FINISHED DIMENSIONS ARE SO NOTED, OR ARE FOLLOWED BY "TD" OR "FIN DIM" ABBREVIATION.

F. MINOR CHANGES IN THE WORK INCLUDE ANY CHANGES REQUESTED BY THE ARCHITECT OR OWNER THAT DO NOT REQUIRE ADJUSTMENT IN THE CONTRACT SUM, EXTENSION OF THE CONTRACT TIME, AND/OR ARE NOT INCONSISTENT WITH THE INTENT OF THE CONTRACT DOCUMENTS. CHANGES NOT CONSIDERED MINOR WILL BE EXECUTED THROUGH THE USE OF A WRITTEN CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE AUTHORIZED BY THE ARCHITECT AND SIGNED BY BOTH THE OWNER AND CONTRACTOR. THE CONTRACTOR SHALL SUBMIT A WRITTEN PROPOSAL TO THE OWNER REGARDING ANY ANTICIPATED ADJUSTMENT TO THE CONTRACT AMOUNT OR CONTRACT TIME AND OBTAIN WRITTEN APPROVAL FROM THE OWNER PRIOR TO COMMENCEMENT OF THE CHANGE IN THE WORK. SUBMIT PROPOSALS AS SOON AS PRACTICABLE AFTER FIRST OBSERVANCE OF CONDITIONS ANTICIPATED TO RESULT IN COST OR TIME ADJUSTMENT, IN A TIMELY MANNER THAT DOES NOT DELAY PROGRESS OF THE WORK, AND IN NO EVENT AFTER BEGINNING THE WORK. CHANGES OR ADJUSTMENTS TO THE WORK UNDERTAKEN BY THE CONTRACTOR THAT ARE NOT APPROVED BY THE OWNER THROUGH THE USE OF A CONSTRUCTION CHANGE DIRECTIVE OR CHANGE ORDER ARE DONE AT THE CONTRACTOR'S OWN RISK AND ARE SUBJECT TO POTENTIAL NON-COMPENSATION.

3. CODE COMPLIANCE AND STANDARDS

A. COMPLY WITH PERTINENT PROVISIONS OF CITY OR TOWNSHIP, COUNTY, AND STATE LAWS AND REGULATIONS. COMPLY WITH PERTINENT PROVISIONS OF THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), OR THE LOCALLY ACCEPTED EDITION. COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND ALL PERTINENT REGULATIONS REGARDING FEDERAL REGISTER UNIVERSAL ACCESSIBILITY STANDARDS AND INTERNATIONAL CODE COUNCIL (ICC) AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) STANDARD A117.1-2008.

B. COMPLY WITH ALL PROVISIONS OF PENNSYLVANIA ACT 281 OF 1964 AS AMENDED BY 1971 (17 PA 686) (AND OSHA 1926.651), REQUIRING CONTRACTORS INTENDING TO PERFORM EXCAVATION OR DEMOLITION WORK OR ERECTION WITH A POLITICAL SUBDIVISION, ASCERTAIN THE LOCATION AND TYPE OF UTILITY LINES AND PIPES AT EACH SITE AND NOTIFY THE UTILITY COMPANY(S) NOT LESS THAN THREE (3) WORKING DAYS IN ADVANCE OF PERFORMING THE EXCAVATION OR DEMOLITION. THIS INCLUDES UTILITY INSTALLATIONS SUCH AS GAS, FIBER/OPTIC, SEWER, TELEPHONE, TELEVISION, ELECTRIC, WATER, OR ANY OTHER UNDERGROUND INSTALLATIONS THAT MAY BE ENCOUNTERED DURING DESIGNING OPERATIONS. CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT (1.800.242.1716) OR CONTACT THEM AT (WWW.PAONECALL.ORG).

C. GIVE SPECIAL ATTENTION TO THE INCORPORATION OF EXISTING PARTITIONS AND CONSTRUCTION OF NEW PARTITIONS TO ASSURE POSITIVE SEAL AT TOP AND BOTTOM PLATES AND ALL PENETRATIONS. VERIFY USE OF ACCEPTED AND APPROVED SEALANTS WHERE FIRE RATING IS REQUIRED OR IF REQUIRED FOR ACoustICAL PURPOSES. VERIFY AND ASSURE CODE COMPLIANCE OF EXISTING DEMISING PARTITIONS AND PARTITION PENETRATION CONDITIONS (TYP).

D. NOTIFY ARCHITECT OF ANY IRREGULARITIES NOTED DURING THE INVESTIGATION OF EXISTING CONDITIONS OR DURING SELECTIVE DEMOLITION AND EXPOSURE OF VISUALLY CONCEALED CONDITIONS. EXISTING AND NEW PARTITION PENETRATIONS ARE TO BE SEALED WITH FIRE CAULK WITH A FIRE RESISTANCE RATING THAT IS EQUAL TO OR EXCEEDS THE REQUIRED RATED OR SMOKE BARRIER PARTITION ASSEMBLY.

E. GAPS AND JOINTS IN NEW AND EXISTING FLOOR, WALL, CEILING, ROOF ASSEMBLIES, AND AT PENETRATIONS SHALL BE FILLED OR CLOSED WITH MATERIALS THAT PROVIDE AN AIR-TIGHT, WATER-TIGHT, OR FIRE-RESISTIVE SEAL.

F. COORDINATE CENTRAL-STATION SYSTEM, PROPRIETARY SYSTEM, REMOTE-STATION SYSTEM OR SUPERVISORY SERVICE WHICH WILL CAUSE THE ACTIVATION OF AN ALARM APPEARANCE AT A CONSTANTLY ATTENDED LOCATION, IN ACCORDANCE WITH NFPA 72. COORDINATE REQUIREMENTS OF OWNER'S SECURITY SYSTEM AND LOCAL FIRE DEPARTMENT AND FIRE MARSHAL.

G. RESEARCH OR EVALUATION REPORTS: PROVIDE FIRE-RETARDANT-TREATED WOOD ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND FOR WHICH A CURRENT MODEL CODE RESEARCH OR EVALUATION REPORT EXISTS THAT EVIDENCES COMPLIANCE OF FIRE-RETARDANT-TREATED WOOD FOR APPLICATION INDICATED. WHERE FIRE-RETARDANT-TREATED WOOD IS INDICATED, COMPLY WITH APPLICABLE REQUIREMENTS OF ANPAC20 LUMBER AND ANPAC21 PLYWOOD. IDENTIFY FIRE-RETARDANT-TREATED WOOD WITH AN APPROPRIATE CLASSIFICATION MARKING OF U.S. TESTING, TIMBER PRODUCTS INSPECTION, INC. OR ANOTHER TESTING AND INSPECTING AGENCY AUTHORIZED TO AUTHORIZE MARKING. VERIFY THAT CONTACT WITH TREATED WOOD DOES NOT PROMOTE CORROSION OF METAL FASTENERS WHEN USED. USE US-TESTED FASTENERS WHEN CONNECTION WITH ALL TREATED WOOD CONDITIONS.

H. PLYWOOD BACKING PANELS: FOR MOUNTING ELECTRICAL OR TELEPHONE EQUIPMENT, PROVIDE FIRE-RETARDANT-TREATED PLYWOOD PANELS WITH GRADE, C-D PLUGGED EXPOSURE, IN THICKNESS INDICATED OR, IF NOT OTHERWISE INDICATED, NOT LESS THAN 1/2" (12.7 MM) THICK.

I. PROVIDE SIGNAGE IN ACCORDANCE WITH THE U.S. ACCESS BOARD - AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT. SPECIFICATIONS, PROVIDE SUBMITTAL, AND USE COLORS APPROVED BY THE ARCHITECT.

4. CUTTING & PATCHING

A. WHERE NEW WORK IS PERFORMED ADJACENT TO EXISTING WORK REQUIRING TEMPORARY OR PARTIAL DISTURBANCE TO FACILITATE INSTALLATION OF NEW WORK, PATCH MASONRY, PLASTER, PAINT, ETC., EXISTING FINISH SURFACES TO MATCH ADJACENT SURFACES IN ORDER TO FURNISH THE OWNER WITH A COMPLETELY FINISHED SPACE READY FOR OCCUPANCY.

B. PREP PATCH AND TOUCHUP PAINT AT ALL EXISTING WALL, G.G. & NO TRIM SURFACES AT LOCATIONS OF REMOVED EXIST CONSTRUCTION. PROVIDE SEAMLESS TRANSITION W/ADJACENT CONSTRUCTION AND COINTINITY OF THERMAL AND WINDOW ASSEMBLIES. PAINT ENTIRETY OF SURFACES AFFECTED BY DEMOLITION TO NEAREST PERPENDICULAR SURFACE.

5. FINISHES AND MATERIAL INSTALLATION

A. PROTECT EXISTING FLOORING, WINDOW SILLS, DOOR FRAMES, ETC. DESIGNATED TO REMAIN WITH MASONRY AND OTHER SUITABLE MEANS DURING DEMOLITION AND CONSTRUCTION PROCEDURES. ALSO PROTECT EXISTING FLOORING, WALLS, WINDOWS, DOORS, ETC., WITH SUITABLE MEANS DURING CONTIGUOUS CONSTRUCTION OPERATIONS THAT MAY DAMAGE OR COMPROMISE MATERIAL FINISHES OR THE STRUCTURAL INTEGRITY OF NEWLY INSTALLED CONDITIONS.

B. FLASH PATCH AND PREPARE FLOORS FOR INSTALLATION OF NEW CARPET AND RESILIENT FLOORING. INCLUDE LASER MATERIAL AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL FLASH PATCHING OF ALL SURFACES INDICATED TO RECEIVE NEW FLOOR FINISHES TO THE TOLERANCES DICTATED BY THE FLOOR FINISH INSTALLATION CONTRACTOR AND PRODUCT MANUFACTURER.

C. INSTALL SPECIFIED REDUCER STRIPS AT DOORS AS REQUIRED WHERE TYPE OF FLOOR FINISH MATERIAL VARIES.

D. UNDERGO EXISTING DOORS AS REQUIRED WHERE CHANGE OCCURS IN FLOOR FINISH. COORDINATE WITH ARCHITECT DOOR SUBMITTAL, AND HC CONTRACTOR AS MAY BE REQUIRED.

E. IN A TIMELY MANNER DESIGNED TO COMPLY WITH ESTABLISHED SCHEDULING, SUBMIT MANUFACTURERS LITERATURE AND COLOR CHARTS DESCRIBING COMPLETE RANGE OF UP TO DATE OPTIONS, THE FINAL COLOR SELECTION FOR ITEMS SPECIFIED WITHOUT COLOR IDENTIFICATION WILL BE ISSUED BY THE ARCHITECT AFTER APPROVAL BY THE OWNER.

F. FURNITURE NOT DESIGNED AS BUILT-IN INSTALLATIONS AND MOVABLE EQUIPMENT SHOWN ON THESE DRAWINGS ARE N.I.C., UNLESS NOTED OTHERWISE, AND ARE INDICATED FOR GENERAL INFORMATION AS TO LOCATION AND DIMENSIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT IN FIELD. WHERE OUTLETS AND SWITCHES ARE INTEGRAL WITH OR ADJACENT TO CABINETS, MIRRORS, CERAMIC TILE OR OTHER APPLIED FINISHES, COORDINATE FINISH DIMENSIONS ON SHOP DRAWINGS AND WITH ARCHITECT IN FIELD.

G. PROVIDE INSTALLATIONS IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. OBTAIN TECHNICAL INFORMATION REQUIRED FOR INSTALLATIONS FROM MANUFACTURERS PRIOR TO ORDERING, FABRICATION OR INSTALLATION OF ANY MATERIALS. COORDINATE TEMP. RATE INFORMATION WITH ALL PERTINENT TRADES.

H. PROVIDE UNDESIGNED PARTS REQUIRED FOR EXISTING SYSTEM OPERATION OR BUILDING SYSTEMS ENUMERATED IN THIS CONTRACT.

I. SOLID WOOD BLOCKING SHALL BE PROVIDED IN ALL AREAS WHERE SOLID ANCHORAGE IS REQUIRED. PROVIDE ROUGH CARPENTRY AND MISCELLANEOUS BLOCKING AS REQUIRED, CORRELATING LOCATIONS OF FLOORING, WALLS, BLOCKING, ETC. TO COMPLY WITH DESIGN REQUIREMENTS. USE APPROVED FIRE RETARDANT TREATED WOOD WHEN REQUIRED BY CODE. WINDOW TREATMENT INSTALLATIONS REQUIRE SOLID ANCHORAGE, TYPICAL.

J. AT POTENTIALLY DAMP CONDITIONS SUCH AS FOUNDATIONS, ROOF EAVES, ROOF PENETRATIONS AREAS, ETC., PRESURE TREAT ANCHORAGE ITEMS WITH WATERBORNE PRESERVATIVES TO A MINIMUM RETENTION OF 0.25 LB/GU FT. (4.0 KG/GU M). AFTER TREATMENT, KILN DRY LUMBER AND PLYWOOD TO A MAXIMUM MOISTURE CONTENT OF 14 AND 15 PERCENT, RESPECTIVELY. TREAT INDICATED ITEMS AND THE FOLLOWING: WOOD GANTS, WALLS, CURBS, EQUIPMENT SUPPORT BASES, BLOCKING, STRIPPING, AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING FLASHINGS, VAPOR BARRIERS, AND WATERPROOFING.

K. ALL EXTERIOR FASTENERS AND SUPPORTS TO BE 304 STAINLESS STEEL, UNLESS NOTED OTHERWISE.

L. INSTALL FINISH CARPENTRY LEVEL, PLUMB, TRUE, AND ALIGNED WITH ADJACENT MATERIALS. SCRUB AND CUT TO FIT ADJOINING WORK. REFINISH AND SEAL CUTS. INSTALL STANDING AND RUNNING TRIM WITH MAXIMUM NUMBER OF JOINTS PRACTICAL, USING FULL-LENGTH PIECES FROM MAXIMUM LENGTHS OF LUMBER AVAILABLE. STAGGER JOINTS IN ADJACENT AND RELATED TRIM. COPE AT RETURNS AND INTER AT CORNERS. SEAL JOINTS BETWEEN WOOD TRIM AND ADJACENT PLASTER, GIB, MASONRY, CERAMIC TILE, AND METAL FINISH SURFACES.

M. ALL PAINTED FINISH MILLWORK, BASEBOARDS, CASINGS, HEADBOARDS, MOLDINGS, SILLS, BILL EXTENSIONS SHALL BE CLEAR SOLID, POPLAR, MAPLE, OR BIRCH HARDWOOD UNLESS NOTED OTHERWISE. CASEWORK MATERIAL AND WORKMANSHIP TO BE IN ACCORDANCE WITH A.K.I. STANDARDS AS SPECIFIED. PAINTED FINISH PLYWOOD TO BE CUSTOM GRADE BIRCH OR MAPLE VENEER WITH SOLID BIRCH OR MAPLE EDGES. WHEN EDGES ARE EXPOSED TO VIEW, CONDITION FINISH CARPENTRY IN INSTALLATION AREAS 24 HOURS BEFORE INSTALLATION.

N. BACKOUT OR GROOVE BACKS OF FLAT TRIM MEMBERS, AND KEEL BACKS OF OTHER RIDE, FLAT MEMBERS, EXCEPT FOR MEMBERS WITH ENDS EXPOSED IN FINISHED WORK.

O. ALL EXTERIOR WINDOW FLASHING, COUNTERFLASHING AND WALL PENETRATIONS TO BE CALKED AND SEALED. COMPLY WITH SPECIFICATIONS, PROVIDE SUBMITTAL, AND USE COLORS APPROVED BY THE ARCHITECT.

P. UNLESS NOTED OTHERWISE, MANUFACTURE 5/8" TYPE "X" GYPSUM HALLBOARD (GHB) AS PROVIDED BY U.S. GYPSUM NATIONAL GYPSUM OR APPROVED EQUAL, INSTALLED WITH TYPE "W" DRYWALL SCREWS DRIVEN WITH AN ELECTRIC SCREW GUN. INSTALL WITH COMPATIBLE CONSTRUCTION GRADE ADHESIVE APPLIED TO STUDS AND FURRING STRIPS PRIOR TO INSTALLATION. APPLY THREE COATS OF FRESHENED GIB COMPOUND AND SAND SMOOTH, TAPE OR PROVIDE METAL GIB TRIM ACCESSORIES TO EDGES AS CONDITIONS DICTATE. FINISH ALL CONDITIONS TRUE AND SMOOTH. REFER TO DRAWING DETAILS AND SPECS.

Q. PATCH PLASTER INSTALLATION. COMPLY WITH MANUFACTURER'S INSTRUCTIONS, UNLESS OTHERWISE INDICATED. PROVIDE 3 COAT WORK. FINISH GYPSUM PLASTER WITH SMOOTH TROVELED FINISH. SAND LIGHTLY TO REMOVE TROVEL MARKS AND BRUSH, CUT, PATCH POINT UP AND REPAIR PLASTER TO RECONSTRUCT OTHER CONSTRUCTION AND TO RESTORE CRACKS, DENTS AND IMPERFECTIONS. MATCH EXISTING SURFACE TEXTURE. SO PATCH AND RECONSTRUCT AREAS ARE NOT VISIBLE AFTER WALL OR CEILING FINISH IS APPLIED. COORDINATE DRYING TIME WITH FINISHING OPERATIONS.

R. IN CLOSETS AND UTILITY SPACES, PROVIDE FINISHES AND TRIM TO MATCH THOSE SPECIFIED FOR ADJACENT SPACES UNLESS INDICATED OTHERWISE.

S. PROVIDE EXTRUDED POLYSTYRENE FOL RIGID INSULATION BELOW THE ROOF LINE UNLESS INDICATED OTHERWISE.

T. WHERE WOOD SILLS ARE IN CONTACT WITH CONCRETE OR MASONRY, PROVIDE SILL-SEALER GASKETS, GLASS-FIBER-RESILIENT INSULATION, FABRICATED IN STRIP FORM FOR USE AS A SILL SEALER. 1-INCH (25.4 MM) NOMINAL THICKNESS, COMPRESSIBLE TO 1/2 INCH (12.7 MM), SELECTED FROM MANUFACTURER'S STANDARD WIDTHS TO SUIT WIDTH OF SILL MEMBERS INDICATED.

U. GC TO COORDINATE AND VERIFY THAT ALL PLUMBING LINES RECEIVE ADEQUATE INSULATION AND PROTECTION FROM EXTERIOR CONDITIONS AND TEMPERATURES AT EXTERIOR WALLS, SOFFITS, ATTIC SPACE, AND ANY CAVITIES CREATED WITHIN CONSTRUCTION ASSEMBLIES THAT OCCUR ADJACENT TO EXTERIOR EXPOSURE AND UNCONTROLLED TEMPERATURE CONDITIONS.

6. CLEANUP AND SAFETY BARRIERS

A. KEEP CONSTRUCTION DEBRIS IN DESIGNATED CONTAINERS AND REMOVE FROM THE SITE AT REGULAR INTERVALS TO AVOID UNBRIGHT OR HAZARDOUS SAFETY CONDITIONS.

B. COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND UPDATES, THROUGH 2004, INCLUDING SPECIFIC RESPONSIBILITIES TO REPORTING AND RECORDING REQUIREMENTS. OBTAIN INFORMATION REGARDING RESPONSIBILITIES UNDER THE ACT. PROTECT AND MAINTAIN ALL EXISTING FINISHES, BARRIERS, SIGNS, ETC. FOR PROTECTION OF UNSAFE AREAS.

C. KEEP THE PROJECT SITE IN A NEAT, ORDERLY FASHION DURING CONSTRUCTION. REMOVE DEBRIS, MATERIALS, EQUIPMENT, FERTONS AN ENGINEERING SURVEY OF CONDITION OF BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION OPERATIONS. VERIFY THAT HAZARDOUS MATERIALS HAVE BEEN IDENTIFIED BEFORE PROCEEDING WITH BUILDING DEMOLITION OPERATIONS.

7. COORDINATION OF WORK

A. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK AND PROVIDING CONTRACTORS REQUIRED FOR THE COMPLETION OF WORK INDICATED IN CONTRACT DOCUMENTS AND FOR COORDINATION WITH OTHER CONTRACTORS. ENGAGED BY OWNER FOR WORK CONTIGUOUS TO THIS CONTRACT, COORDINATION INCLUDES OWNER'S SUBCONTRACTORS FOR WORK SUCH AS FURNITURE AND/OR EQUIPMENT INSTALLATION, ETC.

8. WATERTIGHT BUILDING

A. THE GENERAL CONTRACTOR IS STRICTLY RESPONSIBLE FOR A WATERTIGHT BUILDING CONDITION IN AREAS WHERE WORK UNDER THIS CONTRACT IS UNDERTAKEN.

9. PERMITS, FEES AND INSPECTIONS

A. PROVIDE AND PAY FOR PERMITS, FEES AND INSPECTIONS. PROVIDE CERTIFICATES OF INSPECTION GENERALLY ISSUED BY GOVERNMENTAL AGENCIES OR UTILITIES CONCERNING PROGRESS OF THIS TYPE TO THE ARCHITECT PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF SUBSTANTIAL COMPLETION.

B. REQUIRED CODE INSPECTIONS OF THE BUILDING AND SITE ARE TO BE COORDINATED BY THE GC. THE GC IS TO FACILITATE PRELIMINARY INSPECTIONS NO LESS THAN TWO WEEKS BEFORE THE FINAL INSPECTION DATES AND ADVISE THE ARCHITECT AND OWNER OF THE SCHEDULED TIMES AND DATES OF THE INSPECTIONS.

10. TEMPORARY FACILITIES

A. PROVIDE AND PAY FOR TEMPORARY FACILITIES NEEDED TO COMPLETE THE WORK. THESE TEMPORARY FACILITIES INCLUDE, BUT ARE NOT LIMITED TO: FIRST AID, FIRE PROTECTION, SECURITY, CONSTRUCTION LIFT EQUIPMENT, STORAGE, MOISTURE CONTROL, SCAFFOLDING, TRASH AND DEBRIS REMOVAL, LIGHTS, TELEPHONE, TOILETS AND HEAT AND VENTILATION IF REQUIRED.

B. PROVIDE TEMPORARY PARTITIONS AND SECURE LOCKABLE DOORS AS REQUIRED BY OWNER BETWEEN NEW WORK AND ANY EXISTING CONDITIONS TO BE TEMPORARILY OCCUPIED. SEAL AREAS OF WORK SO THAT CONSTRUCTION DIRT AND DUST IS NOT TRANSMITTABLE TO ADJACENT SPACES OUTSIDE THE DEFINED SCOPE OF WORK.

11. GUARANTEE OF WORK AND MATERIAL

A. GUARANTEE ALL WORK AND MATERIALS FOR A MINIMUM PERIOD OF ONE YEAR FOLLOWING FINAL ACCEPTANCE OF THE BUILDING BY THE OWNER. CARRY OUT NECESSARY REPAIRS, PATCHING, ADJUSTMENTS, REVISIONS, ETC., REQUIRED DURING GUARANTEE PERIOD AT NO ADDITIONAL COST TO THE OWNER. STOP WATER LEAKS, REPAIR SETTLEMENT AND SHRINKAGE CRACKS, REMEDY DEFECTS OR DEFICIENCIES CAUSED BY UNSATISFACTORY WORKMANSHIP OR THE USE OF DEFECTIVE MATERIAL OR EQUIPMENT WHICH DOES NOT MEET REQUIREMENTS NOTED AND/OR SPECIFIED, CORRECT DAMAGE CAUSED BY WATER LEAKS DURING THE GUARANTEE PERIOD TO ORIGINAL CONDITION AS DETERMINED BY THE ARCHITECT. CORRECT DEFECTS PROMPTLY UPON NOTICE BY THE OWNER. DO NOT DISTURB WORK GUARANTEED UNDER ANOTHER CONTRACT WITHOUT WRITTEN PERMISSION FROM THAT CONTRACTOR.

B. GC IS RESPONSIBLE TO COORDINATE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK TO AVOID INTERFERENCE BETWEEN RESPECTIVE INSTALLATIONS OF EACH TRADE. INSTALL CONSTRUCTION THAT REQUIRES DIMENSIONAL CLEARANCES BEFORE PROCEEDING WITH OTHER CONSTRUCTION THAT WOULD CONFINE OR RESTRICT CLEARANCES. PRIOR TO FINAL APPROVAL OF SUBMITTALS AND ORDERING MATERIALS, FIELD VERIFY DIMENSIONAL CLEARANCES OF EXISTING CONSTRUCTION. WHERE EXISTING CONSTRUCTION DOES NOT ACCOMMODATE INSTALLATION OF NEW ASSEMBLIES, EQUIPMENT, FIXTURES, AND FURNISHINGS, PROVIDE CUTTING & PATCHING FOR OPENINGS AT LOCATIONS APPROVED BY ARCHIT. WORK INSTALLED IN AN UNCOORDINATED MANNER WITHOUT REGARD FOR SUBSEQUENT INSTALLATIONS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

C. THE GUARANTEE PERIOD SHALL NOT TERMINATE UNTIL CORRECTIVE MAINTENANCE REQUIRED DURING THE PERIOD IS COMPLETED TO THE SATISFACTION OF THE OWNER AND ARCHITECT. IF CONTRACTOR FAILS TO PROCEED OR COMPLY WITH THE TERMS OF THIS GUARANTEE, THE OWNER RESERVES THE RIGHT TO HAVE THE REPAIRS CORRECTED BY OTHERS AND BACK-CHARGE THE CONTRACTOR FOR COSTS INCURRED, AND TO MAKE CLAIM AGAINST THE CONTRACTOR AS TO CHARACTER, QUALITY AND QUANTITY OF WORK AND MATERIALS FURNISHED. REFER TO PROJECT MANUAL, GENERAL CONDITIONS, AND SUPPLEMENTARY CONDITIONS.

12. DEMOLITION

A. UNLESS OTHERWISE INDICATED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR.

B. REGULATORY REQUIREMENTS. COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING DEMOLITION. COMPLY WITH HAILING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.

C. STANDARDS: COMPLY WITH ANSI/AISE A106 AND NFPA 241.

D. HAZARDOUS MATERIALS. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNERS SEPARATELY CONTRACTED SPECIALIZED ABATEMENT CONTRACTOR. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.

E. LIGHTING FIXTURES. SEPARATE LAMPS BY TYPE AND PROTECT FROM BREAKAGE. VERIFY AND ASSURE PROPER DISPOSAL OF LIGHT FIXTURE BALLASTS CONTAINING PCB'S.

F. EXAMINATION. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING DEMOLITION OPERATIONS. PERFORM AN ENGINEERING SURVEY OF CONDITION OF BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION OPERATIONS. VERIFY THAT HAZARDOUS MATERIALS HAVE BEEN IDENTIFIED BEFORE PROCEEDING WITH BUILDING DEMOLITION OPERATIONS.

G. REFRIGERANT. REMOVE REFRIGERANT FROM MECHANICAL EQUIPMENT ACCORDING TO 40 CFR 82 AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION BEFORE STARTING DEMOLITION.

H. EXISTING UTILITIES. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED. OWNER WILL ARRANGE TO PATCH INDICATED UTILITIES WHEN REQUESTED BY CONTRACTOR.

I. TEMPORARY SHORING. PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT UNEXPECTED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.

J. CLEAN SALVAGED ITEMS OF DIRT AND DEMOLITION DEBRIS.

K. EXISTING UTILITIES. MAINTAIN UTILITY SERVICES TO REMAIN AND PROTECT FROM DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING ADJACENT OCCUPIED OR OPERATING FACILITIES UNLESS AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.

L. TEMPORARY PROTECTION. ERECT TEMPORARY PROTECTION, SUCH AS WALLS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION. PROTECT WALLS, WINDOWS, ROOFS, AND OTHER ADJACENT EXTERIOR CONSTRUCTION THAT ARE TO REMAIN AND THAT ARE EXPOSED TO BUILDING DEMOLITION OPERATIONS. ERECT AND MAINTAIN DUSTPROOF PARTITIONS AND TEMPORARY ENCLOSURES TO LIMIT DUST, NOISE, AND DIRT MIGRATION TO OCCUPIED PORTIONS OF ADJACENT BUILDINGS.

M. GENERAL. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. MAINTAIN PORTABLE FIRE-SUPPRESSION DEVICES AND WATER FLAME-CUTTING OPERATIONS. MAINTAIN FIRE MATCH IN ACCORDANCE WITH LOCAL FIRE MARSHAL'S REGULATIONS. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES. LOCATE BUILDING DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS 50 AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.

N. DISPOSAL OF MATERIALS. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED OFFSHORE LANDFILL. REMOVE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.

O. LEAD-BASED PAINT. CONTRACTOR'S ARE ADVISED THAT THERE COULD BE LEAD AND LEAD-CONTAINING SURFACE COATINGS PRESENT THROUGHOUT THE EXISTING SITE. WORK PERFORMED UNDER THIS CONTRACT AS DESCRIBED ON THE DRAWINGS MAY CAUSE THE DISTURBANCE OF LEAD CONTAINING SURFACE COATINGS. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATES WORKER LEAD EXPOSURE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE HEALTH AND SAFETY OF ITS WORKERS DURING THE EXECUTION OF THIS CONTRACT. WORK SHALL BE CONDUCTED UNDER THE ASSUMPTION THAT ALL SURFACE COATINGS MAY CONTAIN SOME AMOUNT OF LEAD AND, IN ACCORDANCE WITH ALL

APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING BUT NOT LIMITED TO 24 CFR 102.62 LEAD EXPOSURE IN CONSTRUCTION, H26.105 AND H10.54 RESPIRATORY PROTECTION AND U.S. EPA AND PA DEP REGULATIONS APPLICABLE TO THIS WORK EFFORT. THESE REGULATIONS AND SUBSEQUENT METHODS OF COMPLIANCE SHALL BE BINDING UPON THE CONTRACTOR AND CONSIDERED PART OF THIS CONTRACT.

THE CONTRACTOR SHALL HANDLE, CONTAIN, STORE, TEST, TRANSPORT, AND DISPOSE OF DEMOLITION DEBRIS WITH LEAD-CONTAINING SURFACE COATINGS IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND HAVING ANALYZED REPRESENTATIVE SAMPLES OF THE WASTE. SAMPLES SHALL BE TESTED FOR TOXICITY USING THE TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP) FOR LEAD SUFFICIENT TO DETERMINE WHETHER THE DEBRIS IS A HAZARDOUS WASTE AS DEFINED IN 40 CFR 261.3, OR A RESIDUAL WASTE AS DEFINED IN 25 PA CODE 2611, AND SHALL INCLUDE SUCH ANALYSIS AS REQUIRED BY THE DISPOSAL FACILITY. TESTS SHALL BE CONDUCTED BY A QUALIFIED ENVIRONMENTAL LABORATORY AND COPIES OF ALL TESTING FORWARDED TO THE OWNER AND THE OWNER'S CONSULTING ENVIRONMENTAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF SAMPLE COLLECTION AND LABORATORY ANALYSIS.

IF THERE IS ANY HAZARDOUS WASTE TRANSFERRED TO A HAZARDOUS WASTE DISPOSAL FACILITY, THE CONTRACTOR SHALL PROVIDE WITHIN FORTY-FIVE (45) DAYS FROM THE TIME THE MATERIAL IS TRANSFERRED TO THE DISPOSAL FACILITY, A WASTE MANIFEST TO THE OWNER AND THE OWNER'S CONSULTING ENVIRONMENTAL ENGINEER THAT IDENTIFIES THE DATE, DISPOSAL FACILITY NAME AND ADDRESS, EPA IDENTIFICATION NUMBER, THE IDENTITY OF THE WASTE MATERIAL, AND A STATEMENT CERTIFYING THAT THE WASTE WAS DISPOSED AT THAT FACILITY.

END OF GENERAL NOTES

BUILDING CODE INFORMATION SUMMARY

International Existing Building Code, Volume Date: IEBC 2018

ALTERATIONS - LEVEL 2: Chapter 8

The reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

GENERAL: Section 801

1. Alteration Level 1 compliance Required

2. New construction elements, components, systems and spaces Required compliance with 2018 International Building Code (2018 IBC)

BUILDING ELEMENTS AND MATERIALS: Section 802

1. Vertical openings N/A

2. Existing vertical openings N/A

3. Supplemental shaft & floor openings N/A

4. Supplemental stairway enclosures N/A

5. Smoke compartments N/A

6. Interior finishes Required compliance with 2018 IBC

7. Guards Provided where required

8. Fire resistance ratings Provided where required

FIRE PROTECTION: Section 803

1. Automatic sprinkler systems Required compliance with 2018 IBC

2. Windowless stories N/A

3. Supervision Required

4. Standpipes N/A

5. Fire alarm and detection Required

6. Supplemental fire alarm system requirements Not required or

CARBON MONOXIDE DETECTION: Section 804

1. Carbon monoxide alarms N/A

MEANS OF EGRESS: Section 805

1. Number of exits Required compliance with 2018 IBC

2. Fire escapes N/A

3. Mezzanines N/A

4. Egress doorways Two required (minimum)

5. Openings in corridor walls Required compliance with 2018 IBC

6. Dead-end corridors Required compliance with 2018 IBC

7. Means-of-egress lighting Required compliance with 2018 IBC

8. Exit signs Required compliance with 2018 IBC

9. Guards Required compliance with 2018 IBC

STRUCTURAL: Section 806

1. N/A

ELECTRICAL: Section 807

1. New installations Required compliance 2017 NEC and 2018 IECC

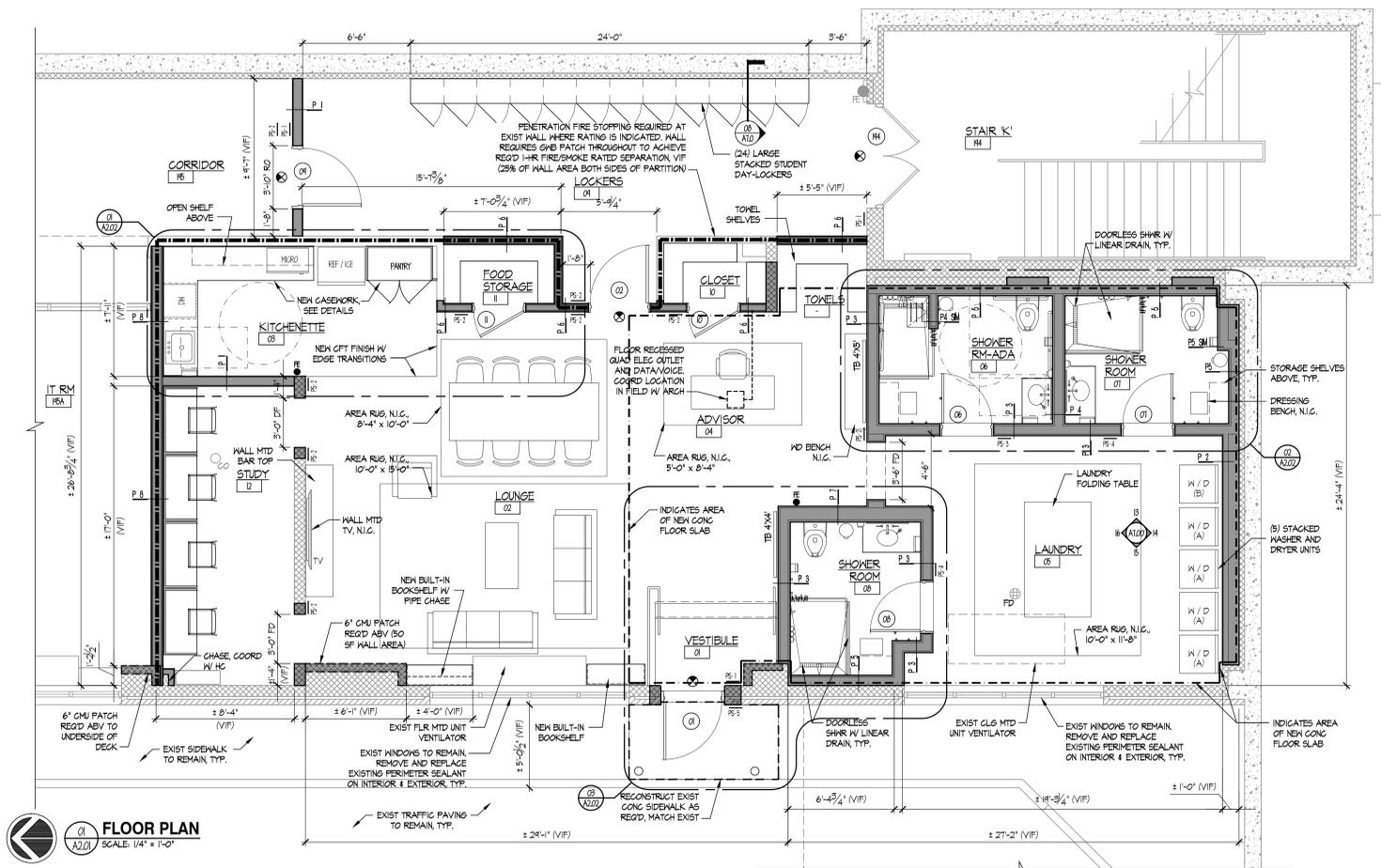
2. Existing installations Required compliance Chapter 7, 2018 IEBC

3. Residential occupancies N/A

MECHANICAL: Section 808

1. Reconfigured or converted spaces Required compliance with 2018 IMC

2. Altered existing systems Existing ventilation systems that are altered must comply with specified minimum ventilation air requirements and the Indoor Air Quality Procedure of ASHRAE 62.1 As required by Section 808.3



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

LEGEND KEY

- EXIST BUILDING ELEMENT TO REMAIN
- - - - - EXIST BUILDING ELEMENT TO BE REMOVED
- NEW CONSTRUCTION/BUILDING ELEMENT
- ▭ INDICATES AREA OF NEW PARTITION OR AREA OF REGR. NEILL OR PATCH OF EXISTING PARTITION
- ▬ 1 HR. MIN. FIRE-RESISTANCE RATED PARTITION (SEE DETAILS)
- ⊙ EXIT SIGN
- ⊙ SURFACE MTD FIRE EXTINGUISHER, MIN CLASS 2-A (TYP) COORDINATE LOCATIONS W/ FIRE MARSHALL AND LOCAL CODE OFFICIALS
- ADA CLEARANCE AREA
- ⊙ IDENTIFICATION PANEL SIGN (SEE DTL)
- ▬ PARTITION TYPE (SEE DTL)
- ⊙ VIZ. INCL. VISUAL DISPLAY - TACKBOARD
- ⊙ B.O.D. - ARMSTRONG SOUNDSOAK ACOUSTICAL CUSTOM WALL SYSTEMS, 5/8" THK. TACKABLE MINERAL FIBER PANELS, SQUARE
- ⊙ SCRIM-WRAPPED PTD FINISH, SELECTED BY ARCHITECT. INSTALL W/ Z-CLIPS

- NOTES:**
1. SYMBOLS INDICATED IN GRAY DESIGNATE EXISTING TO REMAIN (TYP).
 2. PROVIDE SOLID BLOCKING FOR MOUNTING OF ALL ACCESSORIES AS REQUIRED.

DRAWING SYMBOL KEY

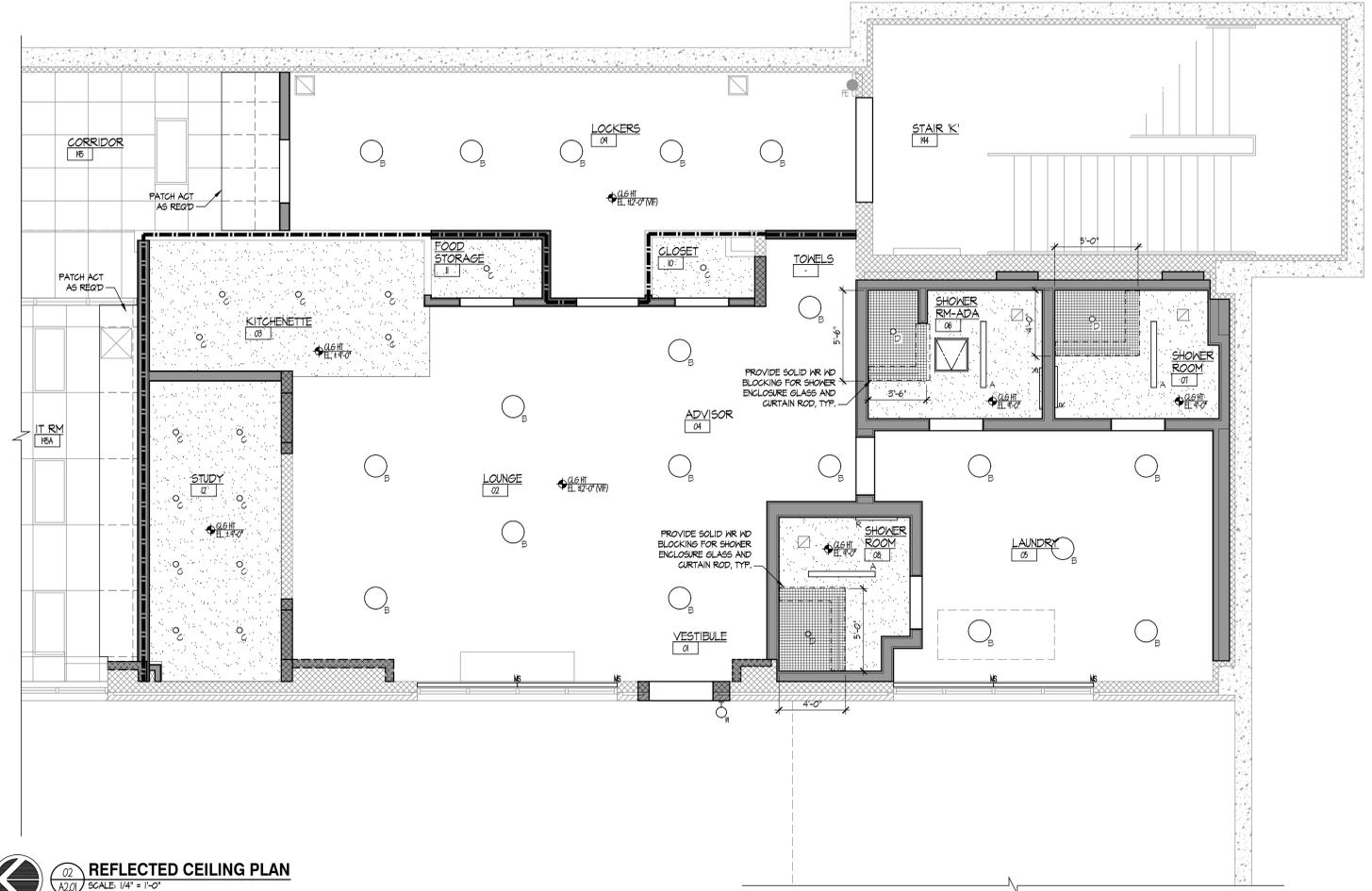
- ⊙ TELEVISION UNIT, WALL MTD.
- ⊙ STACKED WASHER AND DRYER UNITS
- ⊙ REFRIGERATOR/FREEZER UNIT
- ⊙ ADA COMPLIANT DISHWASHER UNIT
- ⊙ MICROWAVE UNIT

NOTE: APPLIANCE UNITS ARE PROVIDED BY OWNER, INSTALLED BY GC. PLUMBING CONNECTIONS BY PG.

RCP DRAWING SYMBOL KEY

NOTE: COORD WITH ELECTRICAL DRAWINGS.

- ⊙ 6" x 48" RECESSED LED FIXTURE (TYPE A)
- ⊙ SUSPENDED LIGHT FIXTURE (TYPE B)
- ⊙ LED DOWNLIGHT (TYPE C)
- ⊙ LED DOWNLIGHT, NET LOCATION RATED (TYPE D)
- ⊙ MIRROR SURFACE MOUNTED LED FIXTURE (TYPE R)
- ⊙ WALL MOUNTED LED FIXTURE (TYPE W)
- ⊙ LIGHT SWITCH (SEE ELEC DWG)
- ⊙ MANUAL WINDOW SHADE
- ⊙ 2X4' ACOUSTICAL CEILING TILE
- ⊙ PTD GWS CEILING
- ⊙ 24" x 24" STYLL CEILING ACCESS DOOR, B.O.D. - LARSEN'S L-DN-SS-CL-160A STYLL W/ CYLINDER LOCK, SATIN FINISH



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

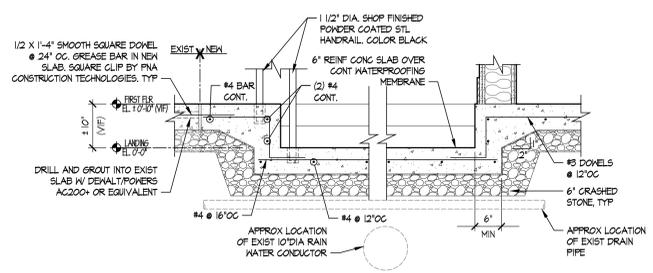
PROFESSIONAL SEAL

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5 Belmont Avenue
Wyomissing, PA 19810
Tel: 610.372.9960
www.kautterkelley.com

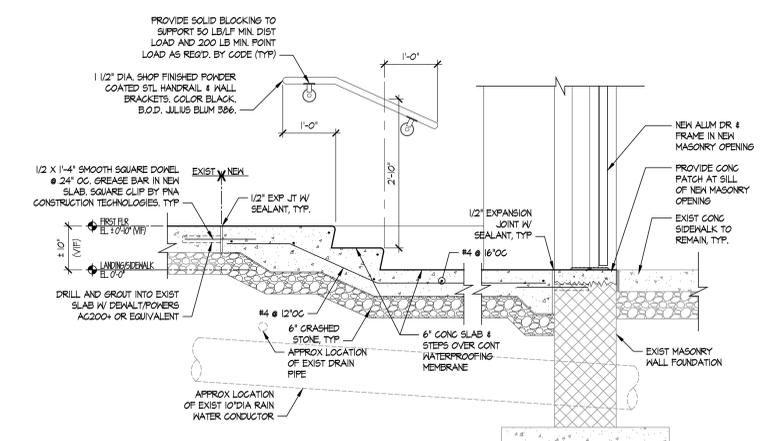
RHS RENOVATIONS - RED KNIGHT'S KEEP
READING SCHOOL DISTRICT
800 WASHINGTON STREET
READING, PA 19601

PARTIAL FLOOR & REFLECTED CEILING PLANS

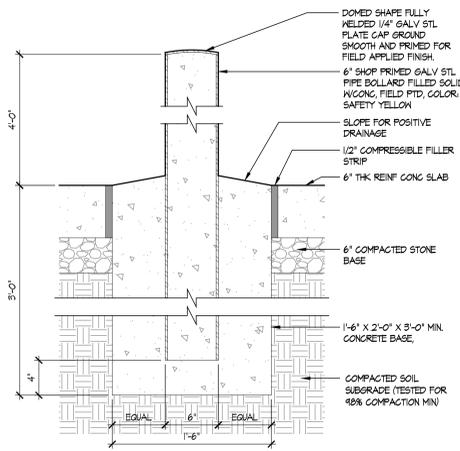
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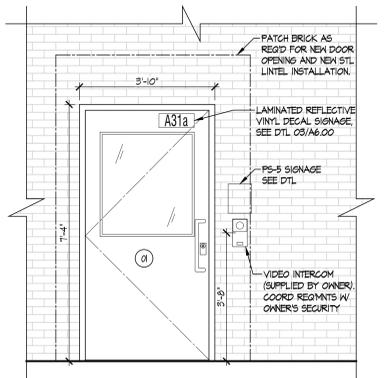
04 SECTION - LANDING
SCALE: 3/4" = 1'-0"



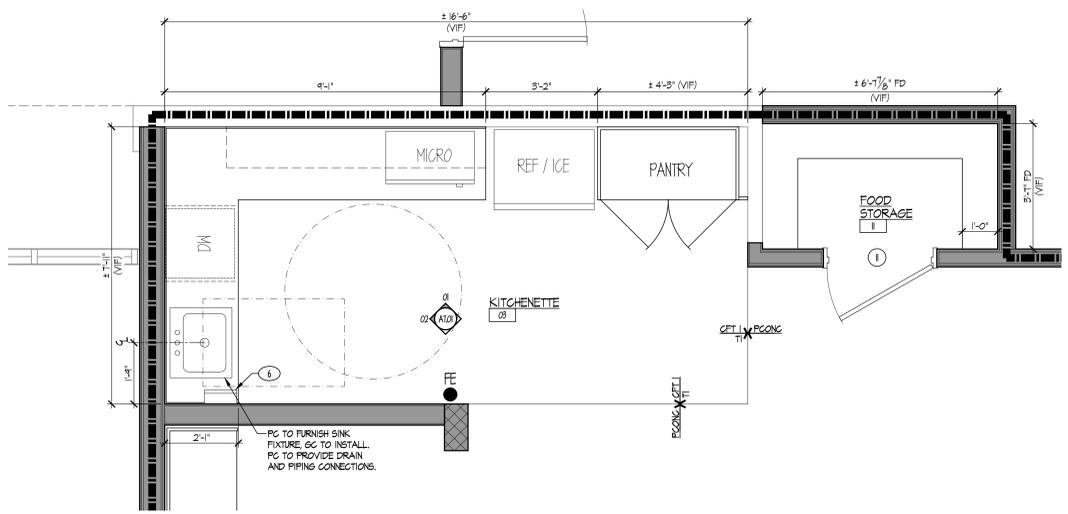
05 SECTION - STEPS
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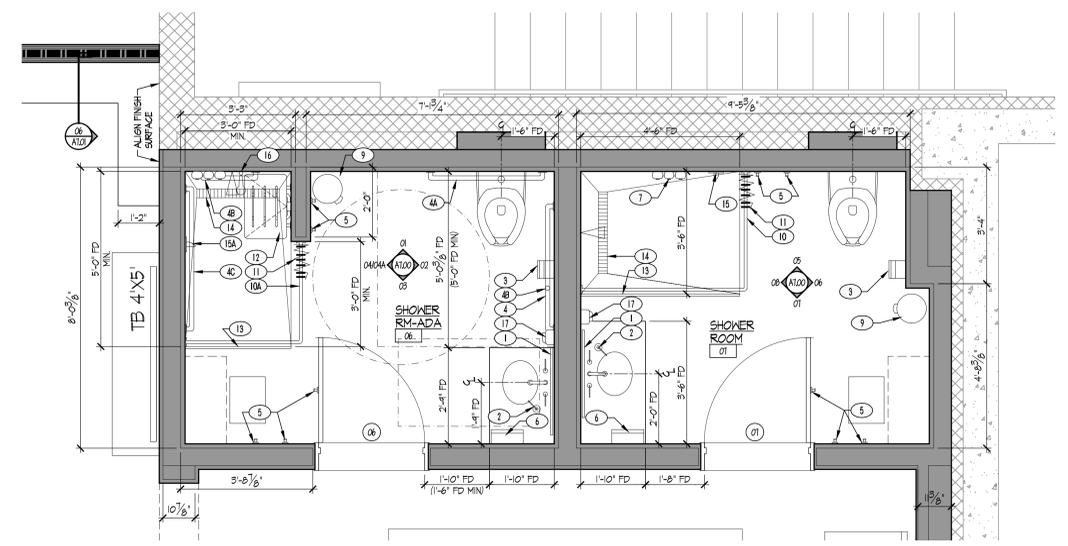
06 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



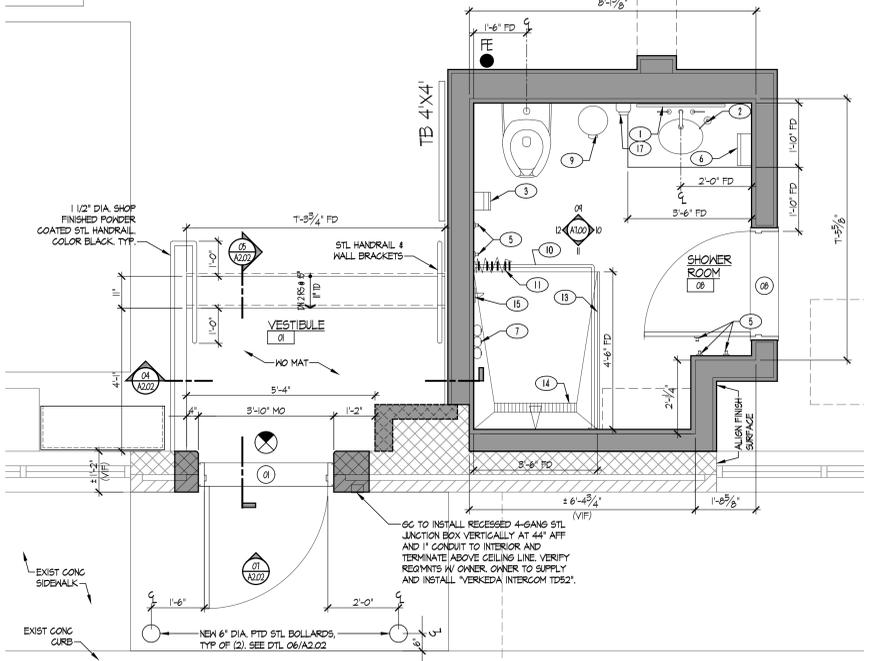
07 PARTIAL EXTERIOR ELEV
SCALE: 1/2" = 1'-0"



01 ENLARGED FLOOR PLAN - KITCHENETTE 03
SCALE: 1/2" = 1'-0"



02 ENLARGED FLOOR PLAN - SHOWER ROOMS 06 & 07
SCALE: 1/2" = 1'-0"



03 ENLARGED FLOOR PLAN - VESTIBULE 01 & SHOWER RM 08
SCALE: 1/2" = 1'-0"

TOILET ROOM ACCESSORY KEY
(SEE SPECIFICATIONS SECTION 122800)

1	2'-6" W X 4'-0" H X 1/4" THK LAMINATED GLASS MIRROR W/POLISHED STSL ANGLE FRAME, BOBRICK B-2904
2	MANUAL FOAM SOAP DISPENSER, TOP-FILL, VANDAL-RESISTANT W/ CONCEALED LOCKING (VANITY MTD), BOBRICK B-823 STSL, CHROME-PLATED
3	MULTI-ROLL TOILET PAPER DISPENSER, STSL, W/ TUMBLER KEY LOCK (SURFACE MTD), BOBRICK B-4288
4	1 1/2" DIA. X 42" HORIZONTAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
4A	1 1/2" DIA. X 36" HORIZONTAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
6	1 1/2" DIA. X 18" VERTICAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
6A	1 1/2" DIA. X 48" HORIZONTAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
5	DOUBLE COAT HOOK, STSL, CONCEALED MOUNTING (SURFACE MTD), BOBRICK B-544, SATIN FINISH
6	PAPER TOWEL DISPENSER, STSL (SURFACE MTD), BOBRICK CONTRASERIES B-4262 W/ TOWELMATE TOWEL ROLL ASSEMBLY, TOP TUMBLER LOCK, SATIN FINISH
7	SHOWER SHAMPOO, CONDITIONER, & BODY WASH DISPENSERS W/ TAMPER RESISTANT LOCKING AND ADJUTY LABELS (SURFACE MTD), AVIVA III - 36334, TRANSLUCENT/CHROME FINISH
8	NOTE USED
9	WASTE RECEPTACLE, 5.5-GAL, STSL, FRONT STEP (FREE-STAND), RUBBERMAID MTD-CAN STEP CAN FGH5785 STSL
10	1 1/8 x 4 1/8 x 6 1/8 L-SHAPED CORNER SOLID BRASS SHOWER CURTAIN ROD W/ CEILING SUPPORT AND ROLLER BALL, SHOWER CURTAIN RINGS QTY. OF (12) (SURFACE MTD), SIGNATURE HARDWARE CHROME-PLATED FINISH
10A	1 1/8 x 4 1/8 x 4 1/8 L-SHAPED CORNER SOLID BRASS SHOWER CURTAIN ROD W/ CEILING SUPPORT AND ROLLER BALL, SHOWER CURTAIN RINGS QTY. OF (12) (SURFACE MTD), SIGNATURE HARDWARE CHROME-PLATED FINISH
11	VINYL SHOWER CURTAIN (12'x72" H), MOLD, MILDEX, & BACTERIA RESISTANT, HEAVY DUTY, HAMMACHER SGALENER 84900
11	22 1/4 x 15 1/8 1/2" SOLID PHENOLIC FOLDING SHOWER SEAT W/ STSL SATIN FINISH FRAME (SURFACE MTD), BOBRICK B-5182
13	3/8" THK X 9'-0" H X 3'-0" X 4'-6" L TEMPERED GLASS PANEL W/ TMH PATCH FITTINGS CHROME-PLATED BRASS
14	24" LINEAR SHOWER DRAIN ASSEMBLY W/ STSL PERFORATED GRATE, JOSAM MURENA, POLISHED FINISH
15	SHOWER CONTROL VALVE AND TRIM, SPEAKMAN NEO SM-1000-P PRESSURE BALANCE SHOWER VALVE & TRIM, POLISH CHROME FINISH
16A	SHOWER CONTROL THERMOSTATIC PRESSURE DIVERTER VALVES AND TRIM, SPEAKMAN OPT-140 NEO PRESSURE BALANCE DIVERTER VALVE TRIM W/ DIVERTER THERMOSTATIC PRESSURE VALVES, POLISH CHROME FINISH
16	ADJUSTABLE HANDHELD SHOWER W/ 24" SLIDE BAR (SURFACE MTD), SPEAKMAN SM-1000-ADA-RED NEO ADA SHOWER COMBINATION, POLISH CHROME FINISH
17	HAIR DRYER, HARDWIRED (SURFACE MTD), LONAR 1864 GC TO PROVIDE HAIR DRYER, EC TO INSTALL.

LEGEND KEY

---	EXIST BUILDING ELEMENT TO REMAIN
-----	EXIST BUILDING ELEMENT TO BE REMOVED
---	NEW CONSTRUCTION/BUILDING ELEMENT
---	INDICATES AREA OF NEW PARTITION OR AREA OF REIGD INFILL OR PATCH OF EXISTING PARTITION
---	1 HR. MIN FIRE-RESISTANCE RATED PARTITION (SEE DETAILS)
+	EXIT SIGN
FE	SURFACE MTD FIRE EXTINGUISHER, MIN CLASS 2-A (TYP) COORDINATE LOCATIONS W/ FIRE MARSHALL AND LOCAL CODE OFFICIALS
□	ADA CLEARANCE AREA
ST	IDENTIFICATION PANEL SIGN (SEE DTL)
P.S.	PARTITION TYPE (SEE DTL)
VD	VISUAL DISPLAY - TACKBOARD
C.B.O.D.	ARMSTRONG SOUNDSOAK ACOUSTICAL CUSTOM WALL SYSTEMS, 5/8" THK TACKABLE MINERAL FIBER PANELS, SQUARE SCRIM-WRAPPED PTD FINISH, SELECTED BY ARCHITECT. INSTALL W/ Z-CLIPS

NOTES:

- SYMBOLS INDICATED IN GRAY DESIGNATE EXISTING TOILET (TYP).
- PROVIDE SOLID BLOCKING FOR MOUNTING OF ALL ACCESSORIES AS REQUIRED.

GENERAL NOTES:

- SEE RESTROOM DETAILS SHEET (A1.00) FOR ADA FIXTURE & ACCESSORY MOUNTING HEIGHTS
- PROVIDE SOLID BLOCKING FOR MOUNTING OF ALL ACCESSORIES AS REQUIRED.
- PROVIDE BULLNOSE TILE UNITS AT EXPOSED EDGES, TYPICAL.
- COORD. AND PROVIDE RESTROOM ACCESSORIES INDICATED ON ENLARGED PLANS INDICATED ON COVER SHEET
- SAVE EXIST TOILET PARTITION COMPONENTS AND RESTROOM ACCESSORIES AND RETURN TO OWNER
- AREAS INDICATED WITH GREY TONE REPRESENT WALL CONDITIONS REQUIRING FINISHED MASONRY PATCH AND REPAIR TO FACILITATE NEW RETORO-FIT DOOR AND FRAME ASSEMBLY INSTALLATIONS. FINISHED MASONRY INCLUDES MATCHING ADJACENT SGT, BRICK, PAINTED CMU AND PAINTED PLASTER
- PATCH ANY OTHER ADJACENT HOLES FROM EXISTING CONDITIONS IN ADDITION TO HOLES CREATED BY DEMO & CONSTRUCTION.

PROFESSIONAL SEAL

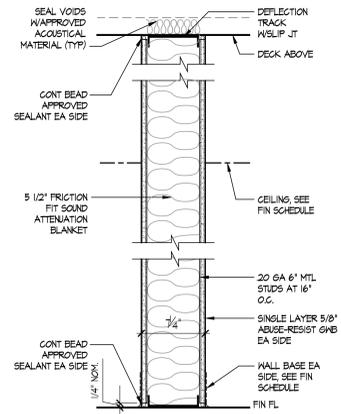
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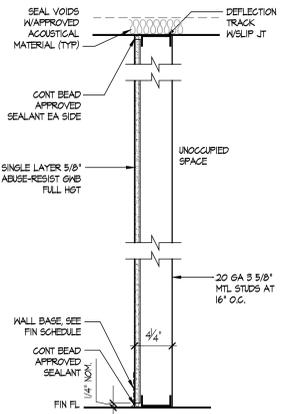
ENLARGED FLOOR PLANS AND SECTIONS

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DATE: 10.16.23
SCALE: AS NOTED

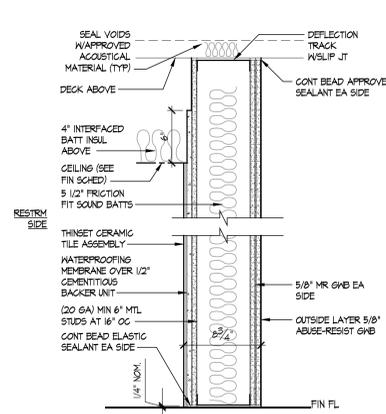
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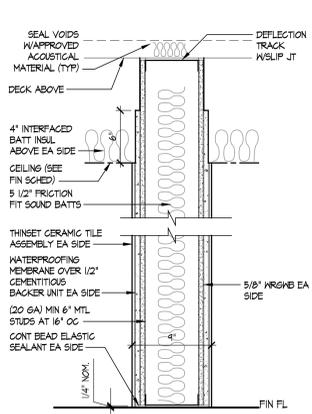
P.1 PARTITION DETAIL
SCALE: 1 1/2" = 1'-0"



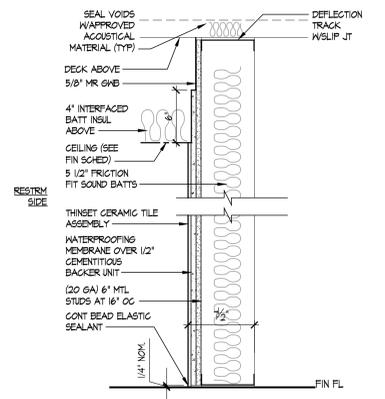
P.2 PARTITION DETAIL
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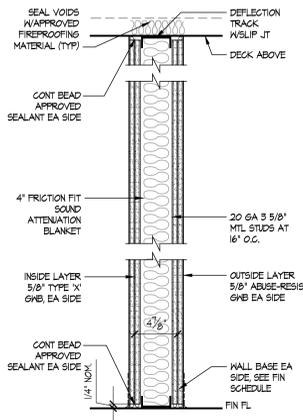
P.3 PARTITION DETAIL
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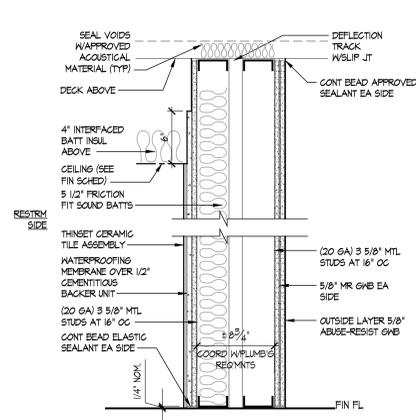
P.4 PARTITION DETAIL
SCALE: 1 1/2" = 1'-0"



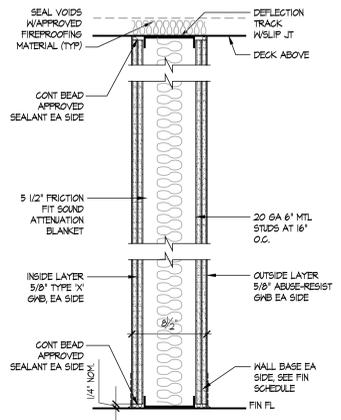
P.5 PARTITION DETAIL
SCALE: 1 1/2" = 1'-0"



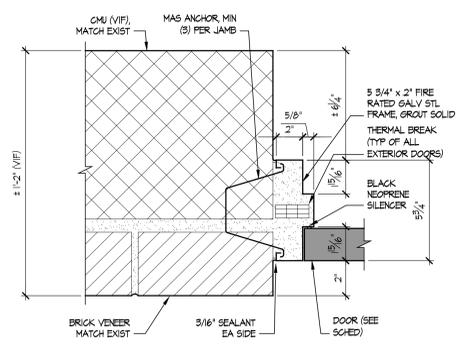
P.6 PARTITION DETAIL
SCALE: 1 1/2" = 1'-0"
1 HOUR RATINGS BASE ON COMPLIANCE WITH GA FILE NO. NP 1082



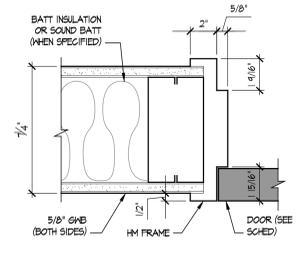
P.7 PARTITION DETAIL
SCALE: 1 1/2" = 1'-0"



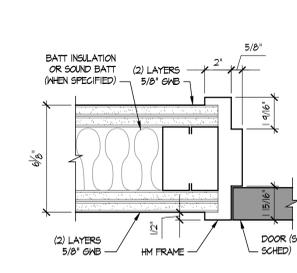
P.8 PARTITION DETAIL
SCALE: 1 1/2" = 1'-0"
1 HOUR RATINGS BASE ON COMPLIANCE WITH GA FILE NO. NP 1082



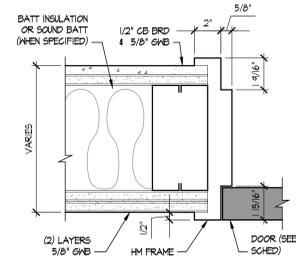
J.1 JAMB DETAIL
SCALE: 3" = 1'-0"



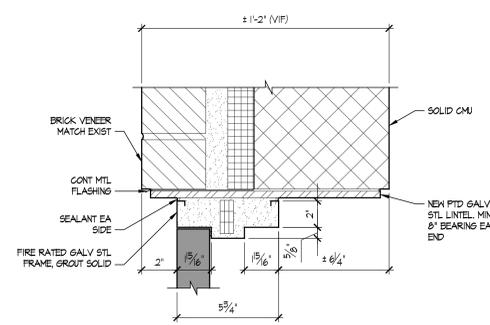
J.2 JAMB DETAIL
SCALE: 3" = 1'-0"



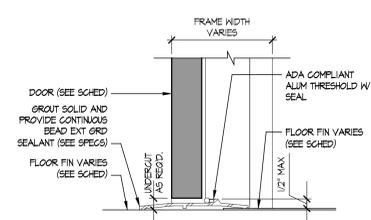
J.3 JAMB DETAIL
SCALE: 3" = 1'-0"



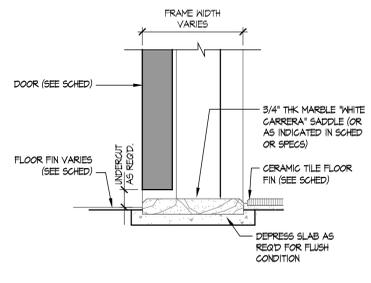
J.4 JAMB DETAIL
SCALE: 3" = 1'-0"



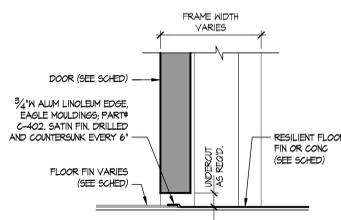
J.11 JAMB DETAIL
SCALE: 3" = 1'-0"



S.1 SADDLE DETAIL
SCALE: 3" = 1'-0"



S.2 SADDLE DETAIL
SCALE: 3" = 1'-0"



S.3 SADDLE DETAIL
SCALE: 3" = 1'-0"

LINTELS
UNLESS NOTED OTHERWISE PROVIDE ONE ANGLE FOR EACH 4' OF NONEXISTING MASONRY WALL THICKNESS AS FOLLOWS:
WALL OPENING TO 5'-0" - L 3 1/2" X 3 1/2" X 3/16"
5'-1" TO 5'-0" - L 3 X 3 1/2" X 3/16"
5'-1" TO 8'-0" - L 6 X 3 1/2" X 3/16"
LARGER THAN 8'-0" - MAXIS (8X8) 3/8" B.E.
2-1/2" @ A.B. EA. END
FOR 6" OF NEW EXISTING MASONRY WALL THICKNESS: WALL OPENING TO 6'-0" - HT4X8
6'-1" TO 12'-0" - HT8X8

1. PROVIDE MIN 8" BEARING AT EACH END.
2. WHERE STEEL COLUMN EXISTS AT END, CONNECT LINTEL TO STL COLUMN.
3. EXERCISE CARE NOT TO DAMAGE EXIST CONCRETE AND REINFORCING BEYOND THE ACTUAL OPENING.
4. SAN CUT ALL OPENINGS IN EXIST CONSTRUCTION.
5. TEMP SHORE EXIST CONGT AND REMOVE EXIST LINTELS WHERE INTERFERES WITH NEW LINTELS (VIF).
6. ALL STEEL LINTELS USED IN EXTERIOR WALLS TO BE GALVANIZED.

PROFESSIONAL SEAL

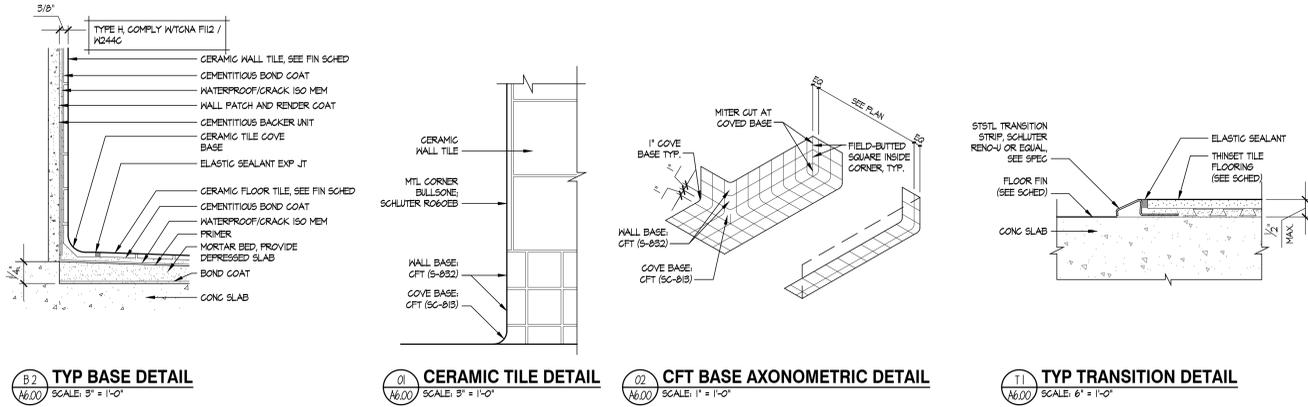
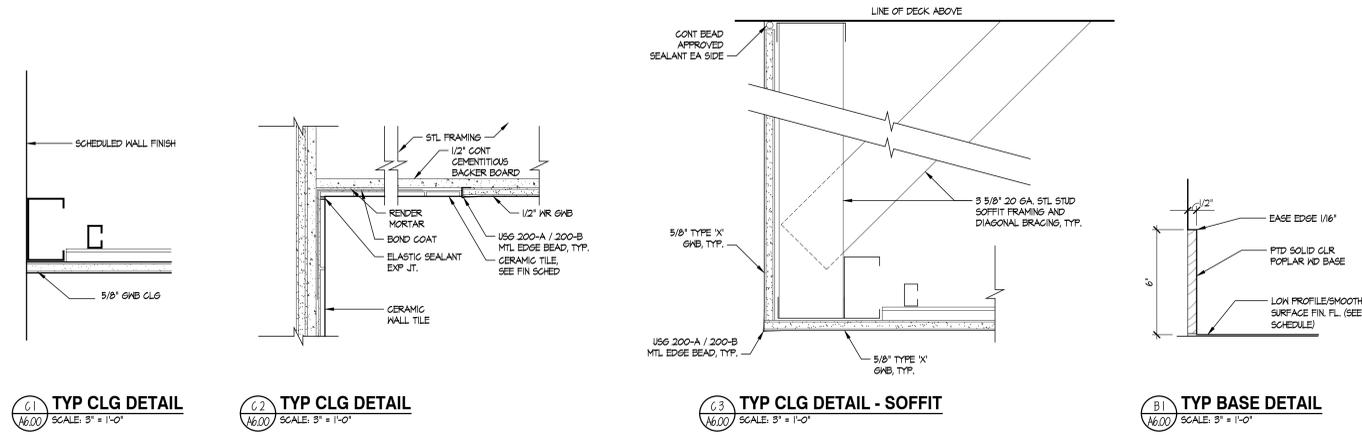
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www.kauterandkelley.com

RHS RENOVATIONS - RED KNIGHT'S KEEP
READING SCHOOL DISTRICT
800 WASHINGTON STREET
READING, PA 19601

PARTITION & DOOR DETAILS

PROJ. NO.: 2204
DATE: 10.16.23
SCALE: AS NOTED

A5.00



TACTILE EXIT SIGNAGE PROVIDE INTERIOR TACTILE SIGNAGE IN ACCORDANCE WITH ICG A1111 STATING TEXT ADJACENT TO EACH DOOR TO AN EGRESS STAIRWAY, AN EXIT PASSAGEWAY, AND THE EXIT DISCHARGE. AT EXITS SERVING A REQUIRED ACCESSIBLE SPACE BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS, DIRECTIONAL SIGNAGE SHALL BE INSTALLED INDICATING THE LOCATION OF ACCESSIBLE MEANS OF EGRESS.

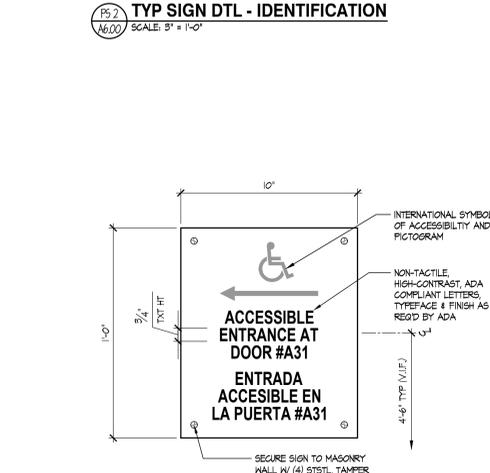
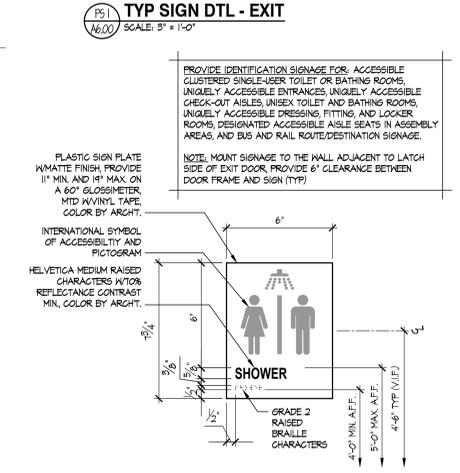
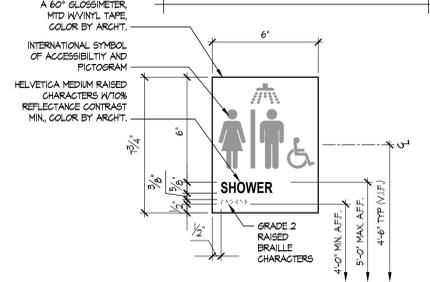
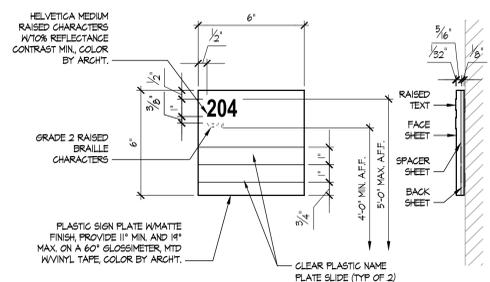
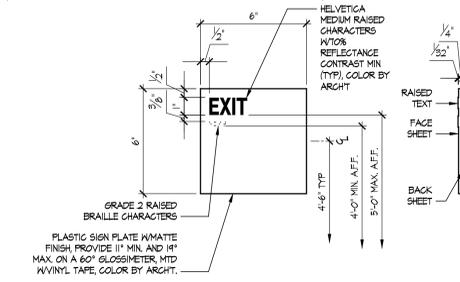
NOTE: MOUNT SIGNAGE TO THE WALL ADJACENT TO LATCH SIDE OF EXIT DOOR, PROVIDE 6" CLEARANCE BETWEEN DOOR FRAME AND SIGN (TYP)

PROVIDE ROOM DESIGNATION SIGNAGE FOR: PROVIDE TACTILE AND BRAILLE ROOM DESIGNATION SIGNAGE IN ACCORDANCE WITH ADA.

NOTE: MOUNT SIGNAGE TO THE WALL ADJACENT TO LATCH SIDE OF EXIT DOOR, PROVIDE 6" CLEARANCE BETWEEN DOOR FRAME AND SIGN (TYP)

PROVIDE IDENTIFICATION SIGNAGE FOR ACCESSIBLE CLUSTERED SINGLE-USER TOILET OR BATHING ROOMS; UNIGUELY ACCESSIBLE ENTRANCES; UNIGUELY ACCESSIBLE CHECK-OUT AISLES; UNISEX TOILET AND BATHING ROOMS; UNIGUELY ACCESSIBLE DRESSING, FITTING, AND LOCKER ROOMS; DESIGNATED ACCESSIBLE ASSESSIBLE SEATS IN ASSEMBLY AREAS; AND BUS AND RAIL ROUTE/DESTINATION SIGNAGE.

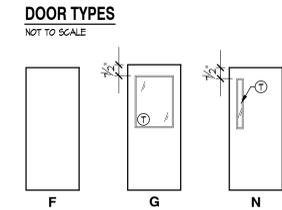
NOTE: MOUNT SIGNAGE TO THE WALL ADJACENT TO LATCH SIDE OF EXIT DOOR, PROVIDE 6" CLEARANCE BETWEEN DOOR FRAME AND SIGN (TYP)



No.	NAME	FLOOR	BASE	WALL	CLG	CLG HT	DETAILS			REMARKS
							BASE	CLG	OTHER	
01	VESTIBULE	PCONG / KCM	HD	GWB	-	±12'-0"	B 1	-	-	1, 2, 3
02	LOUNGE	PCONG	HD	PTD CMU / GWB	-	±12'-0"	B 1	-	-	1, 2, 3, 4
03	KITCHENETTE	CFT 1	HD	PTD GWB	GWB	9'-0"	B 1	C 1 / C 3	T 1 + 06/AT.01	1
04	ADVISOR	PCONG	HD	GWB / CMU	-	±12'-0"	B 1	-	06/AT.01	1, 2, 3
05	LAUNDRY	PCONG	HD	GWB / CMU	-	±12'-0"	B 1	-	-	1, 2, 3, 4
06	SHOWER ROOM - ADA	CFT 2	CFT 2	CFT 1 / CFT 2	HR GWB / CFT 3	9'-0"	B 2	C 1 / C 2	07/AT.01	1, 5
07	SHOWER ROOM	CFT 2	CFT 2	CFT 1 / CFT 2	HR GWB / CFT 3	9'-0"	B 2	C 1 / C 2	07/AT.01	1, 5
08	SHOWER ROOM	CFT 2	CFT 2	CFT 1 / CFT 2	HR GWB / CFT 3	9'-0"	B 2	C 1 / C 2	07/AT.01	1, 5
09	LOCKERS	PCONG	HD	CMU / GWB	-	±12'-0"	B 1	-	-	1, 2, 3
10	CLOSET	PCONG	HD	CMU / GWB	GWB	9'-0"	B 1	C 1	06/AT.01	1
11	FOOD STORAGE	PCONG	HD	GWB	GWB	9'-0"	B 1	C 1	06/AT.01	1
12	STUDY ROOM	PCONG	HD	GWB / EXIST CMU	GWB	9'-0"	B 1	C 1	-	1
15B	CORRIDOR	EXIST R	EXIST R	EXIST CMU / GWB	EXIST ACT	± 9'-0" (VIF)	MATCH EXIST	MATCH EXIST	-	6
15BA	IT ROOM	EXIST VGT	EXIST R	EXIST CMU / GWB	EXIST ACT	± 8'-0" (VIF)	MATCH EXIST	MATCH EXIST	-	6

No.	DOOR WIDTH	DOOR HEIGHT	THICKNESS	TYPE	MATL	FRAME DETAILS		SADDLE	FINISH	LABEL	HARDWARE SET NO.	REMARKS
						JAMB	HEAD					
01	3'-6"	7'-2"	1 3/4"	G	GALV STL	J 1	H 1	S 1	PTD	1 HR	1	1, 3, 5
02	3'-6"	7'-0"	1 3/4"	N	HM	J 3	J 3 SM	-	PTD	1 HR	3	3, 5
06	3'-0"	7'-0"	1 3/4"	F	SCWV	J 4	J 4 SM	S 2	GLR NAT	-	4	
07	3'-0"	7'-0"	1 3/4"	F	SCWV	J 4	J 4 SM	S 2	GLR NAT	-	4	
08	3'-0"	7'-0"	1 3/4"	F	SCWV	J 4	J 4 SM	S 2	GLR NAT	-	4	
09	3'-6"	7'-0"	1 3/4"	N	HM	J 2	J 2	S 3	PTD	-	2	2, 5
10	3'-0"	7'-0"	1 3/4"	F	SC	J 3	J 3 SM	-	PTD	-	3	
11	(2) 3'-0"	7'-0"	1 3/4"	F	SC	J 3	J 3 SM	-	PTD	-	3	
15A	(2) 3'-0"	7'-2"	1 3/4"	N	HM	-	-	-	-	1 1/2 HR	-	4

NOTE: REFER TO SPEC SECTION FOR DOOR HARDWARE SETS. REFER TO DRAWING A5.00 FOR DOOR DETAILS.



ROOM FINISH ABBREVIATIONS	
ACT	ACoustICAL CEILING TILE
BOD	BASIS OF DESIGN PRODUCT SELECTION (SEE SPECS)
BRK	BRICK
CARP	CARPET
CBB	CEMENTIOUS BACKER BOARD
CFT 1	CERAMIC FLOOR TILE, TYPE 1
CFT 2	CERAMIC FLOOR TILE, TYPE 2
CFT 3	CERAMIC FLOOR TILE, TYPE 3
CFT 4	CERAMIC FLOOR TILE, TYPE 4
CMU	CONCRETE MASONRY UNIT (PTD FINISH TYP)
CONC	CONCRETE (PTD FINISH TYP)
CS	CAST STONE
CNT 1	CERAMIC WALL TILE, TYPE 1
CNT 2	CERAMIC WALL TILE, TYPE 2 - ACCENT COLOR
EPX	EPOXY PAINT
EXIST	EXISTING CONSTRUCTION TO REMAIN (REPAIR OR REFRESH AS INDICATED)
GWB	GYPSUM WALL BOARD (PTD FINISH TYP)
HR GWB	WATER-RESISTANT GYPSUM WALL BOARD
H-I GWB	ABUSE-RESISTANT (HIGH-IMPACT) GYPSUM WALL BOARD
GU	GYPSUM CEMENT UNDERLAYMENT (SEE SCHED)
GLS	GLASS
HCU	HYDRAULIC CEMENT UNDERLAYMENT (SEE SCHED)
LIAN	1/4" STRUCTURAL LIAN PLYWOOD WITH SANDED SURFACE
MAS	MASONRY
MTL	METAL
FRP	FIBERGLASS REINFORCED PLASTIC
PC	POWDER COATED
PCNG	POLISHED CONCRETE TOPPING
FF	EXIST PROTECTILE FLOORING
PLAS	PLASTER (PTD FINISH TYP)
PTD	PAINTED
R	RUBBER FLOORING AND/OR WALL BASE
SSM	SOLID SURFACE MATERIAL
TRBRZD	TERAZZO
WOOD	WOOD
VAT	VINYL ASBESTOS FLOOR TILE (REQUIRES COORD W/ OWNER'S ABATEMENT CONTRACTOR)
VGT	VINYL COMPOSITION FLOOR TILE (MAY REQUIRE COORD W/ OWNER'S ABATEMENT CONTRACTOR)
VSF	VINYL SHEET FLOORING
WCM	WOOD MAT, CUT TO FIT FLOOR AREA

ROOM FINISH REMARKS
1. PROVIDE NEW PAINT FINISH THROUGHOUT THE ENTIRE ROOM (WALLS, CEILING, DOORS).
2. PROVIDE (2) COATS OF DRYFALL PAINT FOR EXPOSED DECK AND STRUCTURE THROUGHOUT THE ENTIRE ROOM.
3. D.F. PAINT
4. NEW MANUAL OPERATED WINDOW SHADES, B.O.D., DUAL FABRIC, 5% OPENNESS.
5. SLOPE CONC FLOOR SLAB AS REQUIRED TO ACHIEVE 1/8" PER FOOT SLOPE TO DRAIN.
6. PATCH AND FINISH AS REQD TO MATCH EXISTING ADJACENT CONDITIONS. USED SALVAGED MATERIAL AND/OR PROVIDE ASSOCIATED COMPONENTS AS REQD TO ACHIEVE LIKE-NEW FINISH CONDITIONS.

GENERAL FINISH NOTES
1. GC IS RESPONSIBLE FOR PAINTED FINISHES ASSOCIATED WITH EXPOSED COMPONENTS OF MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS

DOOR ABBREVIATIONS	
ALUM	ALUMINUM
CLR ANOD	CLEAR ANODIZED
CLR NAT	CLEAR NATURAL
HM	HOLLOW METAL
HM	INTEGRATED HOLLOW METAL
KYN	MANUFACTURER'S KYNAR PAINTED FINISH
PCNG	MANUFACTURER'S PAINTED
SC	SOLID CORE
SCWV	SOLID CORE WOOD VENEER DOOR (BOOK MATCH ROTARY CUT CLEAR WHITE BIRCH VENEER WITH CUSTOM STAIN FINISH AS SELECTED BY ARCH)
STN	STAINED FINISH (AS SELECTED BY ARCH)
T	TEMPERED GLASS

DOOR REMARKS
1. PROVIDE INSULATED GLAZING
2. PROVIDE SINGLE PANE GLAZING
3. PROVIDE FIRE RATED GLAZING
4. EXISTING DOOR ASSEMBLY TO REMAIN
5. PROVIDE CONTINUOUS FULL-HGT STSTL DOOR EDGE PROTECTION, SATIN FIN (DO NOT PAINT)

PROFESSIONAL SEAL

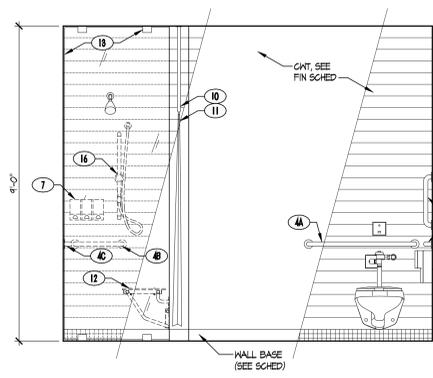
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RHS RENOVATIONS - RED KNIGHT'S KEEP
READING SCHOOL DISTRICT
800 WASHINGTON STREET
READING, PA 19601

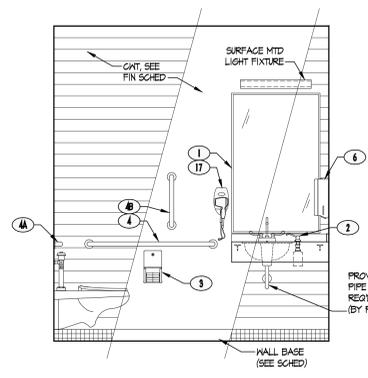
ROOM FINISH & DOOR SCHEDULES AND DETAILS

PROJ. NO.: 2204
DATE: 10.16.23
SCALE: AS NOTED

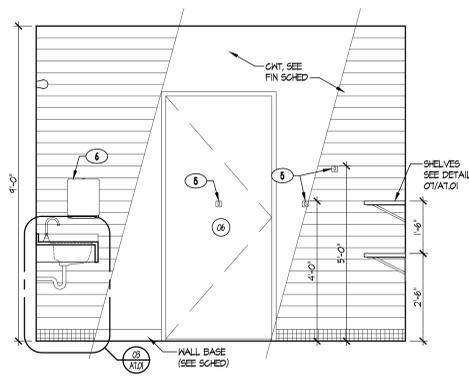
A6.00



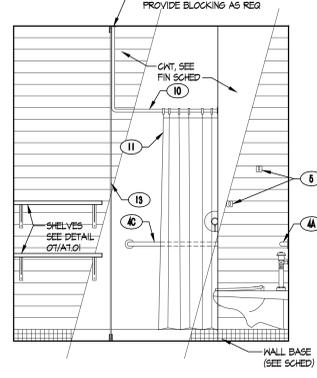
01 INTERIOR ELEV - ADA SHOWER 06
SCALE: 1/2" = 1'-0"



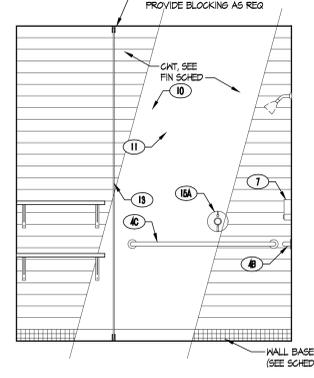
02 INTERIOR ELEV - ADA SHOWER 06
SCALE: 1/2" = 1'-0"



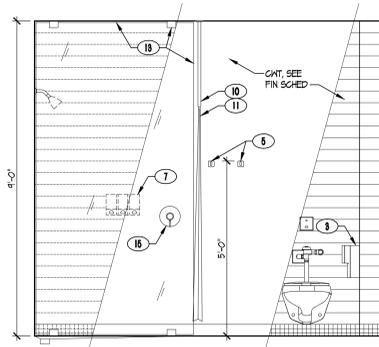
03 INTERIOR ELEV - ADA SHOWER 06
SCALE: 1/2" = 1'-0"



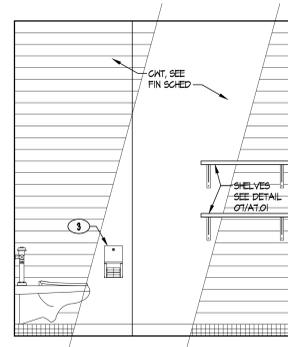
04 INTERIOR ELEV - ADA SHOWER 06
SCALE: 1/2" = 1'-0"



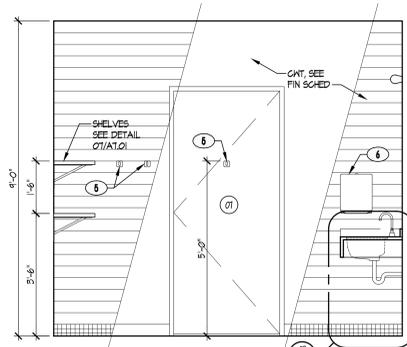
04A INTERIOR ELEV - ADA SHOWER 06
SCALE: 1/2" = 1'-0"



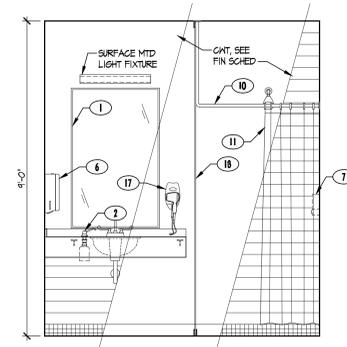
05 INTERIOR ELEV - SHOWER 07
SCALE: 1/2" = 1'-0"



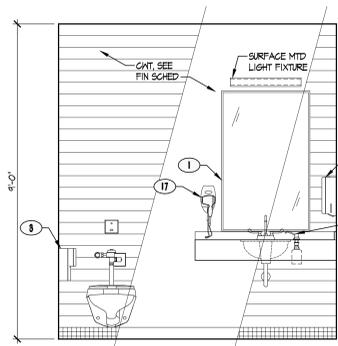
06 INTERIOR ELEV - SHOWER 07
SCALE: 1/2" = 1'-0"



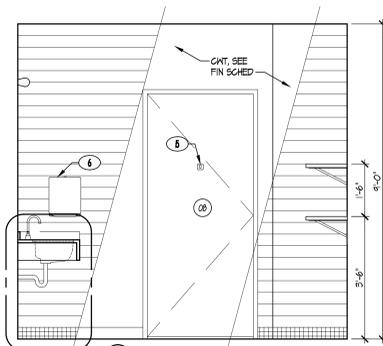
07 INTERIOR ELEV - SHOWER 07
SCALE: 1/2" = 1'-0"



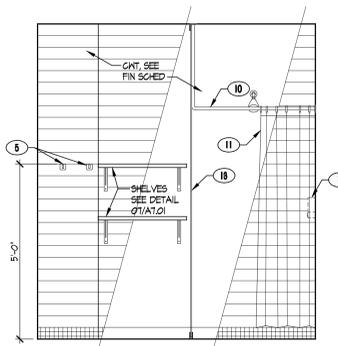
08 INTERIOR ELEV - SHOWER 07
SCALE: 1/2" = 1'-0"



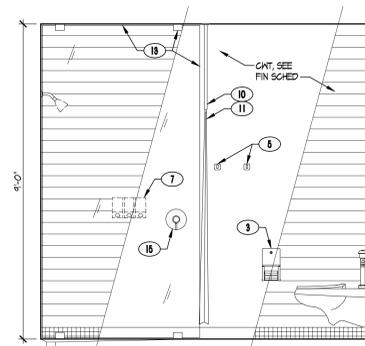
09 INTERIOR ELEV - SHOWER 08
SCALE: 1/2" = 1'-0"



10 INTERIOR ELEV - SHOWER 08
SCALE: 1/2" = 1'-0"



11 INTERIOR ELEV - SHOWER 08
SCALE: 1/2" = 1'-0"



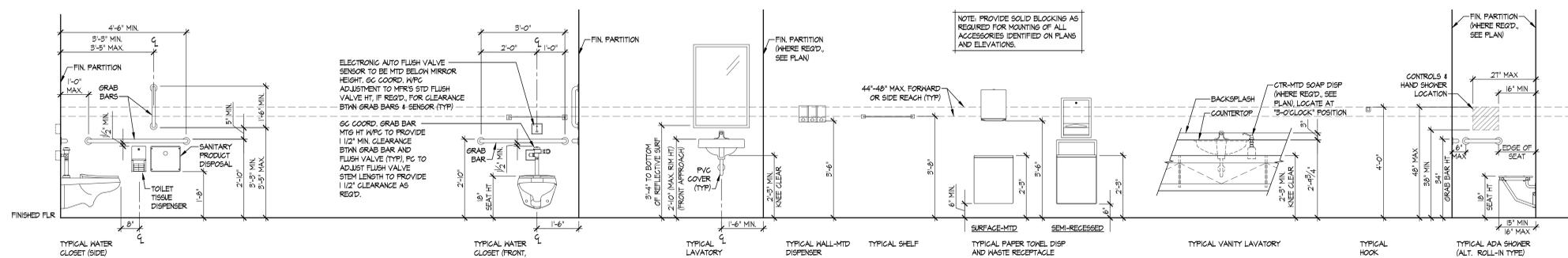
12 INTERIOR ELEV - SHOWER 08
SCALE: 1/2" = 1'-0"

TOILET ROOM ACCESSORY KEY
(SEE SPECIFICATIONS SECTION 102200)

- 1 2'-6" W X 4'-0" H X 1/4" THK LAMINATED GLASS MIRROR W/ POLISHED STSL ANGLE FRAME, BOBRICK B-2504
- 2 MANUAL FOAM SOAP DISPENSER, TOP-FILL, VANDAL-RESISTANT W/ CONCEALED LOCKING (VANITY MTD), BOBRICK B-823 STSL, CHROME-PLATED
- 3 MULTI-ROLL TOILET PAPER DISPENSER, STSL, W/ TUMBLER KEY LOCK, (SURFACE MTD), BOBRICK B-4288
- 4 1/2" DIA. X 42" HORIZONTAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
- 5 1/2" DIA. X 36" HORIZONTAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
- 6 1/2" DIA. X 18" VERTICAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
- 7 1/2" DIA. X 48" HORIZONTAL GRAB BAR, STSL, CONCEALED MOUNTING W/ SNAP FLANGE COVER, BOBRICK B-6806 SERIES, SATIN-FINISH
- 8 DOUBLE COAT HOOK, STSL, CONCEALED MOUNTING (SURFACE MTD), BOBRICK B-541, SATIN FINISH
- 9 PAPER TOWEL DISPENSER, STSL, (SURFACE MTD), BOBRICK CONTRASERIES B-4262 W/ TOWELMATE TOWEL ROLL ASSEMBLY, TOP TUMBLER LOCK, SATIN FINISH
- 10 SHOWER SHAMPOO, CONDITIONER, & BODY WASH DISPENSERS W/ TAMPERS RESISTANT LOCKING AND AGENCY LABELS (SURFACE MTD), AVYVA III - 36534, TRANSLUCENT/CHROME FINISH
- 11 NOTE USED
- 12 WASTE RECEPTACLE, 5.5-GAL, STSL, FRONT STEP (FREE-STAND), RUBBERMAID MEDI-CAN STEP CAN FGH5755 STSL
- 13 1'6" X 48" X 60" L-SHAPED CORNER SOLID BRASS SHOWER CURTAIN ROD W/ CEILING SUPPORT AND ROLLER BALL, SHOWER CURTAIN RINGS QTY. OF (12) (SURFACE MTD), SIGNATURE HARDWARE CHROME-PLATED FINISH
- 14 1'6" X 48" X 48" L-SHAPED CORNER SOLID BRASS SHOWER CURTAIN ROD W/ CEILING SUPPORT AND ROLLER BALL, SHOWER CURTAIN RINGS QTY. OF (12) (SURFACE MTD), SIGNATURE HARDWARE CHROME-PLATED FINISH
- 15 VINYL SHOWER CURTAIN (12'x12'H), MOLD, MILDEX, & BACTERIA RESISTANT, HEAVY DUTY, HAMMACHER S015EMER 84900
- 16 22 1/4" X 15 1/8" D SOLID PHENOLIC FOLDING SHOWER SEAT W/ STSL SATIN FINISH FRAME (SURFACE MTD), BOBRICK B-5182
- 17 3/8" THK X 9'-0" HT X (3'-0" & 4'-6") L TEMPERED GLASS PANEL W/ TMH PATCH FITTINGS CHROME-PLATED BRASS
- 18 24" LINEAR SHOWER DRAIN ASSEMBLY W/ STSL PERFORATED GRATE, JOSAM MURENA, POLISHED FINISH
- 19 SHOWER CONTROL VALVE AND TRIM, SPEAKMAN NEO SM-1000-P PRESSURE BALANCE SHOWER VALVE & TRIM, POLISH CHROME FINISH
- 20 SHOWER CONTROL, THERMOSTATIC/PRESSURE DIVERITER VALVES AND TRIM, SPEAKMAN OPT-1401 NEO PRESSURE BALANCE DIVERITER VALVE TRIM W/ DIVERITER THERMOSTATIC/PRESSURE VALVES, POLISH CHROME FINISH
- 21 ADJUSTABLE HANDHELD SHOWER W/ 24" SLIDE BAR (SURFACE MTD), SPEAKMAN SM-080-ADA-RED NEO ADA SHOWER CONVERSION, POLISH CHROME FINISH
- 22 HAIR DRYER, HARDWIRED (SURFACE MTD), CONAIR 1864 66 TO PROVIDE HAIR DRYER, EC TO INSTALL.

GENERAL NOTES:

1. SEE RESTROOM DETAILS SHEET (A1.00) FOR ADA FIXTURE & ACCESSORY MOUNTING HEIGHTS
2. PROVIDE SOLID BLOCKING FOR MOUNTING OF ALL ACCESSORIES AS REQUIRED.
3. PROVIDE BULLNOSE TILE UNITS AT EXPOSED EDGES, TYPICAL.
4. COORD. AND PROVIDE RESTROOM ACCESSORIES INDICATED ON ENLARGED PLANS INDICATED ON COVER SHEET
5. SAVE EXIST TOILET PARTITION COMPONENTS AND RESTROOM ACCESSORIES AND RETURN TO OWNER
6. AREAS INDICATED WITH GREY TONE REPRESENT WALL CONDITIONS REQUIRING FINISHED MASONRY PATCH AND REPAIR TO FACILITATE NEW RETORO-FIT DOOR AND FRAME ASSEMBLY INSTALLATIONS. FINISHED MASONRY INCLUDES MATCHING ADJACENT 56GT, BRICK, PAINTED CMU AND PAINTED PLASTER
7. PATCH ANY OTHER ADJACENT HOLES FROM EXISTING CONDITIONS IN ADDITION TO HOLES CREATED BY DEMO & CONSTRUCTION.



13 ADA HEIGHT REQUIREMENTS FOR ADULT RESTROOMS
SCALE: 1/2" = 1'-0"

PROFESSIONAL SEAL

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RHS RENOVATIONS - RED KNIGHT'S KEEP
READING SCHOOL DISTRICT
800 WASHINGTON STREET
READING, PA 19601

INTERIOR ELEVATIONS
RESTROOMS

PROJ. NO.: 2204

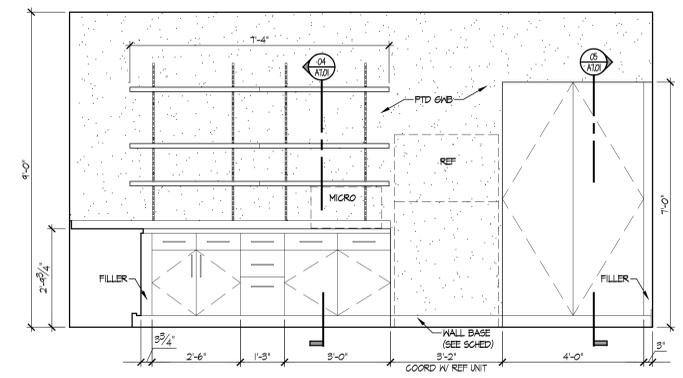
DATE: 10.16.23

SCALE: AS NOTED

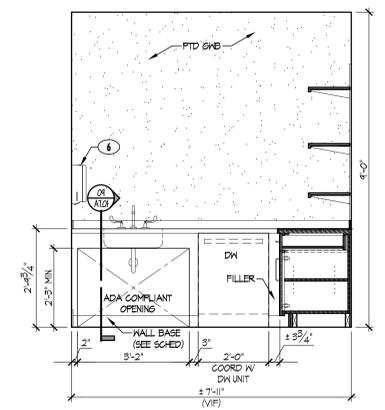
A7.00

NOTES

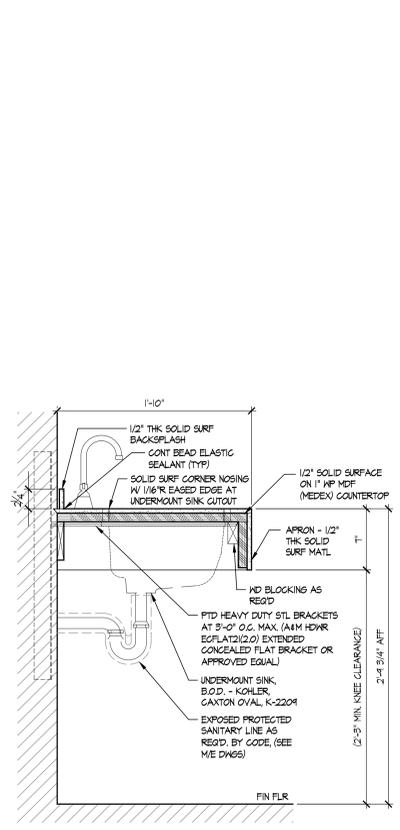
- FABRICATE CABINET CONSTRUCTION USING GARNICA "PLMA-FLY" HD HD COMPONENTS FOR CABINET UNITS, SHELVES, AND PANELS, (REFER TO SPECIFICATIONS)
- FABRICATE PLASTIC LAMINATE INTERIORS AND SHELVES USING 1/4 GRADE COMMODITY "WHITE" PLASTIC LAMINATE W/ BALANCED BACKS AND 1 MIL PLAM EDGE BANDING.
- FABRICATE SOLID SURFACE COUNTERTOPS USING 1" THK "MEDEX" WATERPROOF MDF AND 1/2" CORAIN TYP. (SEE SPECIFICATIONS)



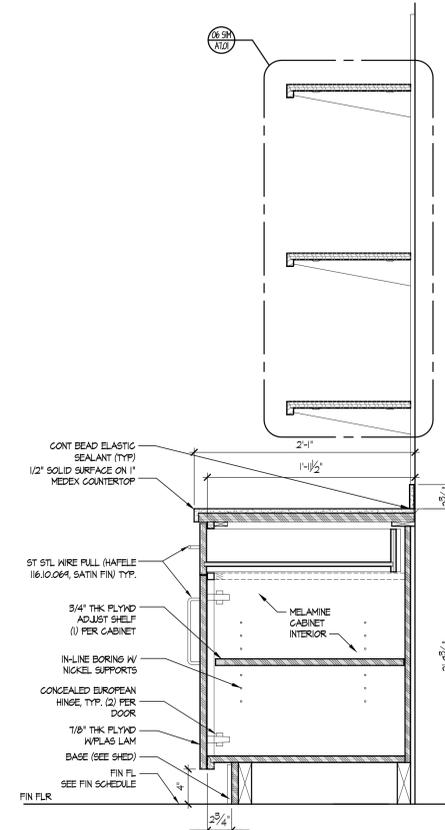
01 ELEVATION
SCALE: 1/2" = 1'-0"



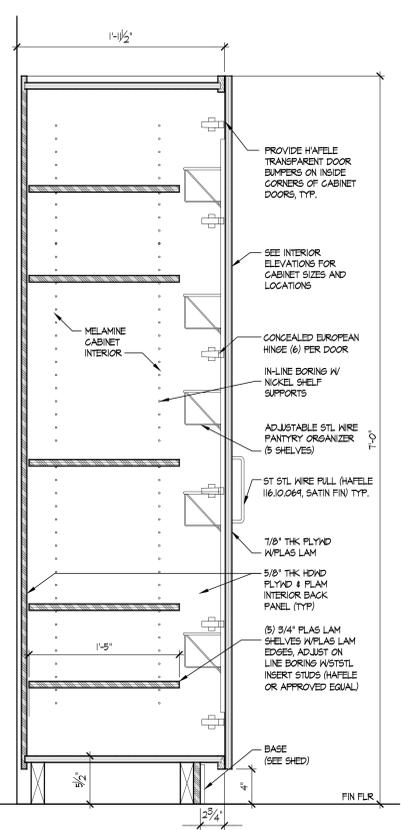
01 ELEVATION
SCALE: 1/2" = 1'-0"



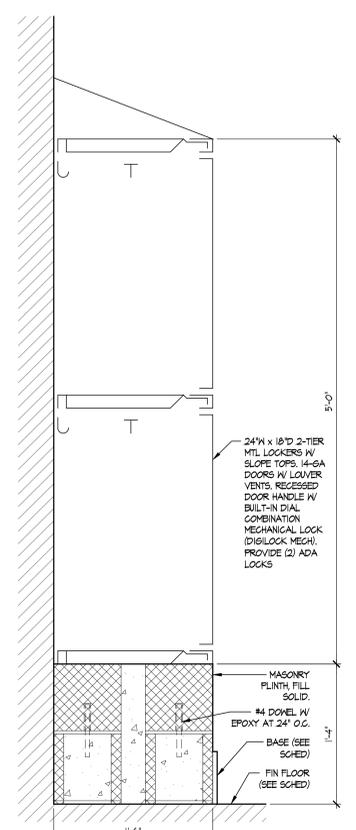
03 VANITY DETAIL
SCALE: 1/2" = 1'-0"



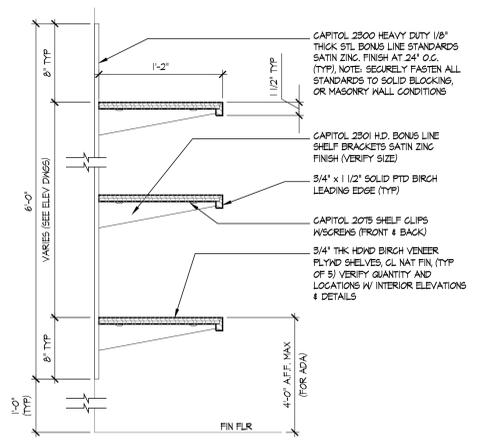
04 BASE CABINET DETAIL
SCALE: 1/2" = 1'-0"



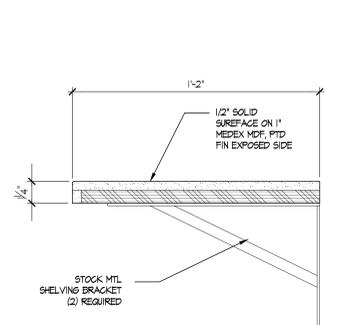
05 FULL HGT CABINET DETAIL
SCALE: 1/2" = 1'-0"



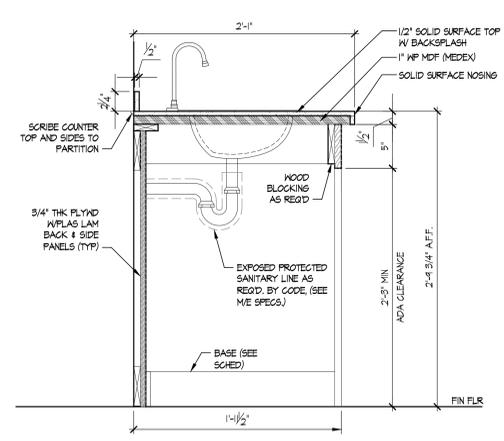
06 LOCKER SECTION DETAIL
SCALE: 1/2" = 1'-0"



06 SHELVING DETAIL
SCALE: 1/2" = 1'-0"



07 SHELF DETAIL
SCALE: 3" = 1'-0"



08 SINK CABINET DETAIL
SCALE: 1/2" = 1'-0"

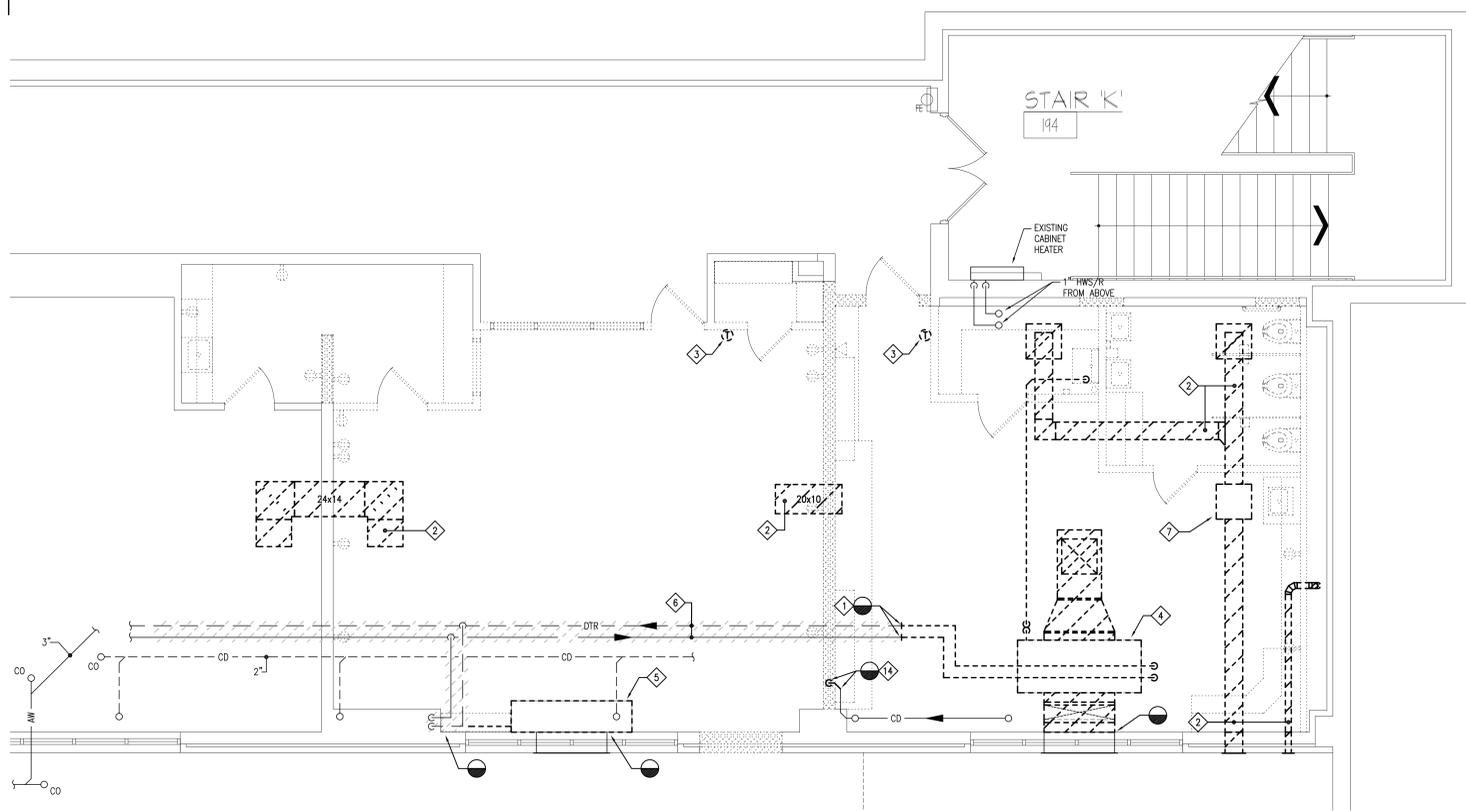
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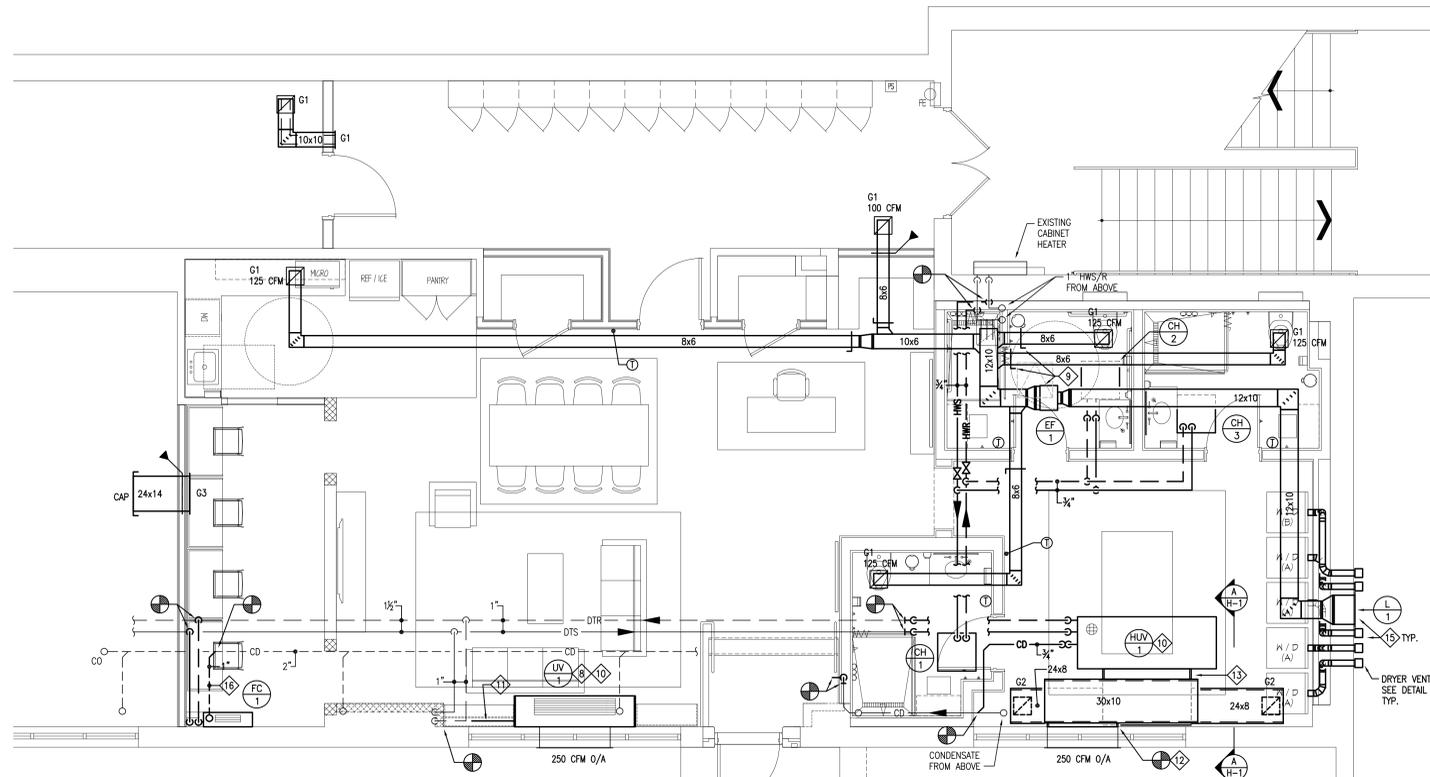
INTERIOR ELEVATIONS & DETAILS

PROJ. NO.: 2204
DATE: 10.16.23
SCALE: AS NOTED



HVAC DEMOLITION PLAN

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



HVAC PLAN

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

KEYED DRAWING NOTES:

1. REMOVE EXISTING HYDRONIC PIPING IN ITS ENTIRETY INCLUDING ALL VALVES, FITTINGS, INSULATION, HANGERS, SUPPORTS AND ASSOCIATED ACCESSORIES BACK TO POINT(S) INDICATED. PATCH WALL/FLOOR PENETRATIONS TO MATCH EXISTING MATERIALS, RATINGS AND FINISHES.
2. REMOVE EXISTING DUCTWORK IN ITS ENTIRETY INCLUDING SUPPORTS, HANGERS, DAMPERS, INSULATION, GRILLES/REGISTERS/DIFFUSERS AND ASSOCIATED ACCESSORIES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS, RATINGS AND FINISHES.
3. REMOVE EXISTING WALL MOUNTED THERMOSTAT/SENSOR IN ITS ENTIRETY INCLUDING ALL ASSOCIATED SUPPORTS, POWER WIRING, CONTROL WIRING/TUBING, CONDUIT AND ACCESSORIES. PATCH WALL OPENING TO MATCH EXISTING MATERIALS AND FINISHES, UNLESS WALL IS INDICATED TO BE REMOVED BY THE GENERAL CONTRACTOR.
4. REMOVE EXISTING HORIZONTAL UNIT VENTILATOR INCLUDING SUPPORTS, DUCTWORK, GRILLES/REGISTERS/DIFFUSERS, PIPING, INSULATION, HANGERS, SUPPORTS, CONTROL WIRING/TUBING, AND ASSOCIATED APPURTENANCES.
5. REMOVE EXISTING VERTICAL UNIT VENTILATOR IN ITS ENTIRETY INCLUDING, SUPPORTS, PIPING, INSULATION, HANGERS, SUPPORTS, CONTROLS, CONTROL WIRING/TUBING, AND ASSOCIATED APPURTENANCES.
6. REMOVE EXISTING HYDRONIC DUAL TEMPERATURE PIPING INSULATION IN ITS ENTIRETY INCLUDING ASSOCIATED FITTINGS, COVERS, SHIELD AND ASSOCIATED APPURTENANCES. PROVIDE NEW PIPING INSULATION FOR EXISTING PIPING. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.
7. REMOVE EXISTING EXHAUST FAN INCLUDING SUPPORTS, DUCTWORK, GRILLES/REGISTERS/DIFFUSERS, HANGERS, SUPPORTS, CONTROL WIRING/TUBING, AND ASSOCIATED APPURTENANCES.
8. CONNECT UNIT VENTILATOR CONDENSATE PIPING TO EXISTING BELOW SLAB COOLING CONDENSATE PIPE. CONTRACTOR TO CONFIRM CONDENSATE LOCATION (RIGHT HAND OR LEFT HAND).
9. COORDINATE DAMPER LOCATIONS AND EXHAUST FAN LOCATION WITH CEILING ACCESS PANELS.
10. BALANCE OUTSIDE AIRFLOW (CFM) INDICATED IN PARENTHESES.
11. COORDINATE DTS/R PIPING WITH GENERAL CONTRACTOR'S CASEWORK FALSE BACK PIPE CHASE.
12. PROVIDE LOUVER FULL SIZE LINED DUCT FROM LOUVER TO 30x10 LINED DUCT.
13. PROVIDE UNIT FULL SIZE LINED DUCT FROM UNIT VENTILATOR TO 30x10 LINED DUCT.
14. REMOVE EXISTING CONDENSATE PIPING IN ITS ENTIRETY INCLUDING ALL VALVES, FITTINGS, INSULATION, HANGERS, SUPPORTS AND ASSOCIATED ACCESSORIES BACK TO POINT(S) INDICATED. PATCH WALL/FLOOR PENETRATIONS TO MATCH EXISTING MATERIALS, RATINGS AND FINISHES.
15. HVAC CONTRACTOR TO PROVIDE CUTTING, PATCHING, LINTELS AND ASSOCIATED WORK AS NECESSARY TO PROVIDE LOUVER AND DRYER VENT WALL CAPS.
16. CONTRACTOR TO SAW-CUT EXISTING FLOOR AND PROVIDE TRENCHING, BACKFILL AND PATCHING OF EXISTING FLOOR TO MATCH EXISTING TO PROVIDE BELOW SLAB CONDENSATE DRAIN CONNECTION FROM FAN COIL UNIT TO EXISTING BELOW SLAB CONDENSATE PIPE.

THE DEMOLITION WORK INDICATED IS INTENDED TO ASSIST THE CONTRACTOR AND GIVE GENERAL INFORMATION. THE CONTRACTOR SHALL BE REQUIRED TO VISIT THE PROJECT SITE PRIOR TO BIDDING TO FULLY ACQUAINT HIMSELF WITH THE EXTENT OF ALL DEMOLITION WORK WHICH IS NECESSARY TO COMPLETE THE ALTERATIONS AND NEW CONSTRUCTION AS DESCRIBED IN THE CONTRACT DOCUMENTS. ALL DEMOLITION WORK REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE WHETHER INDICATED ON THE DRAWING OR NOT. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY CLAIMS FOR ADDITIONAL COMPENSATION RELATED TO REQUIRED DEMOLITION.

GENERAL PROJECT NOTES:

1. PROVIDE THE MINIMUM REQUIRED SERVICE CLEARANCES FOR ALL EQUIPMENT AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
2. HVAC DUCTWORK AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. CONTRACTOR TO PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS.
3. HVAC CONTRACTOR IS REQUIRED TO COORDINATE ALL HVAC WORK WITH THE WORK OF ALL OTHER TRADES TO ENSURE CORRECT AND QUALITY INSTALLATIONS.
4. DUCT FITTINGS THAT ARE BETWEEN STRAIGHT SECTIONS OF DUCT THAT IS SHOWN LINED SHALL ALSO BE LINED.
5. DUCT DIMENSIONS GIVEN ARE METAL (OUTSIDE) DIMENSIONS UNLESS OTHERWISE NOTED.
6. THE HVAC CONTRACTOR SHALL COORDINATE ALL WORK ABOVE THE CEILING WITH THE ELECTRICAL, PLUMBING, FIRE PROTECTION AND GENERAL CONTRACTORS TO INSURE THE SCHEDULED CEILING HEIGHTS CAN BE MAINTAINED.
7. ALL LOW VOLTAGE WIRING (UNDER 120V) REQUIRED FOR HVAC EQUIPMENT SHALL BE PROVIDED BY THE HVAC CONTRACTOR PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO PROVIDE ALL CUTTING & PATCHING REQUIRED FOR THEIR WORK, UNLESS OTHERWISE INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS.
9. EXPOSED PIPING AND DUCTWORK IS TO BE PAINTED BY THE GENERAL CONTRACTOR. COORDINATE PAINTING REQUIREMENTS WITH GENERAL CONTRACTOR.

HVAC LEGEND

(ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT)

— HWS —	HEATING WATER SUPPLY	◆	KEYED DRAWING NOTE
— HWR —	HEATING WATER RETURN	⊕	CONNECT TO EXISTING
— DTS —	DUAL TEMPERATURE WATER SUPPLY	⊖	EXTENT OF DEMOLITION
— DTR —	DUAL TEMPERATURE WATER RETURN	⊙	TEMPERATURE/HUMIDITY SENSOR
— CWS —	CHILLED WATER SUPPLY	⊙	TEMPERATURE SENSOR
— CWR —	CHILLED WATER RETURN	⊙	INDICATES LINED DUCTWORK (SEE SPECS FOR MATERIAL)
— RS/RL —	REFRIGERANT LINE SET (SUCTION/LIQUID)	⊙	INDICATES MANUAL BALANCING DAMPER
— CD —	CONDENSATE DRAIN	⊙	DUCTWORK DEMOLITION
— — —	EXISTING CONDITIONS	⊙	
— — —	NEW WORK	⊙	
— — —	DEMOLITION	⊙	
— — —	PIPE INSULATION TO BE REMOVED AND NEW INSULATION PROVIDED	⊙	

EXHAUST FAN SCHEDULE

SYMBOL	CFM	SP	FAN DATA			DRIVE	BMS INTERLOCK	DAMPER	SONES	CONTROL	MOUNTING	MODEL	REMARKS
			H.P.	RPM	ELECTRICAL								
EF-1	600	0.4	236w	1375	115V-1φ	DIRECT	YES	BDD	5.0	TIME OF DAY SCHEDULE	INLINE	GN-720	-

- NOTES: 1. MODEL NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE DUTIES AND CAPACITIES ARE TO BE USED FOR FINAL UNIT SELECTION BY THE MANUFACTURER.
 2. REFER TO PLANS FOR UNIT CONFIGURATIONS. UNITS WITH THE SAME SYMBOL NUMBER MAY HAVE LEFT OR RIGHT HAND CONNECTIONS AND/OR REQUIRE DIFFERENT CONFIGURATIONS.
 3. PROVIDE MANUFACTURER'S SPEED CONTROLLER, DAMPERS, DISCONNECT AND VIBRATION ISOLATORS.

FAN COIL UNIT SCHEDULE

SYMBOL	FAN DATA			ELECTRICAL			MODEL	COOLING PERFORMANCE - WATER										HEATING PERFORMANCE - (WATER)		NOMINAL SIZE L"W"xH"H"	MAX. OPERATING WEIGHT (LBS)	REMARKS				
	CFM	SPEED	E.S.P.	H.P.	VOLTAGE/PHASE	MCA		GPM	WPD	BRANCH PIPING SIZE	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	EW (°F)	LWT (°F)	EAT (°F)				LAT (°F)	CAPACITY MBH	EW (°F)	LWT (°F)
FC-1	275	HIGH	-	0.13	115V-1φ	2.75	FCB030	1.3	2.7"	3/4"	78.0	65.0	58.7	57.0	6.7	5.8	45.0	55.0	60.0	119.4	17.7	150.0	123.5	33"x10"x25"	97	-

- NOTES: 1. MODEL NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE DUTIES AND CAPACITIES ARE TO BE USED FOR FINAL UNIT SELECTION BY THE MANUFACTURER.
 2. REFER TO PLANS FOR UNIT CONFIGURATIONS. UNITS WITH THE SAME SYMBOL NUMBER MAY HAVE LEFT OR RIGHT HAND CONNECTIONS AND/OR REQUIRE DIFFERENT CONFIGURATIONS.
 3. ALL UNIT VENTILATORS AND THEIR ASSOCIATED COMPONENTS SHALL BE PROVIDED IN ONE OF THE UNIT MANUFACTURER'S STANDARD COLORS, ARCHITECT SHALL SELECT COLOR.
 4. PROVIDE MERV 13 FILTERS.
 5. PROVIDE TOP BAR GRILLE OUTLET AND FRONT TOE SPACE INLET.

HYDRONIC CABINET UNIT HEATER SCHEDULE

SYMBOL	FAN DATA			GPM	COIL (ROWS)	CAPACITY MBH	EWT (°F)	WPD	EAT DB	MOUNTING	FRONT PANEL WIDTH x HEIGHT	WALL/CEILING OPENING WIDTH x HEIGHT	RECESS DEPTH	CABINET FINISH	BRANCH PIPING SIZE	MODEL	REMARKS	
	CFM	FLA	H.P.															
CH-1, 2, 3	155	1.9	1/10	120V-1φ	0.7	1	6.6	145	0.5"	60°F	HORIZ. FULLY RECESSED	28"x28"	26"x26"	9.5"	STANDARD COLOR	3/4"	SFF-02	-

- NOTES: 1. MODEL NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE DUTIES AND CAPACITIES ARE TO BE USED FOR FINAL UNIT SELECTION BY THE MANUFACTURER.
 2. DIMENSIONS ARE FOR REFERENCE ONLY. REFER TO VENDOR'S SHOP DRAWINGS FOR ACTUAL CONSTRUCTION DIMENSIONS.
 3. PROVIDE EACH UNIT WITH SPEED CONTROLLER, MOTOR STARTER WITH THERMAL OVERLOAD AND INTEGRAL DISCONNECT SWITCH.
 4. HEATING FLUID FOR ALL COILS IS WATER UNLESS OTHERWISE INDICATED.
 5. REFER TO PLANS FOR UNIT CONFIGURATIONS. UNITS WITH THE SAME SYMBOL NUMBER MAY HAVE LEFT OR RIGHT HAND CONNECTIONS AND/OR REQUIRE DIFFERENT CONFIGURATIONS.

UNIT VENTILATOR SCHEDULE

SYMBOL	FAN DATA			ELECTRICAL			MODEL	DUAL TEMPERATURE COIL				COOLING PERFORMANCE - WATER						HEATING PERFORMANCE - (WATER)				NOMINAL SIZE L"W"xH"H"	MAX. OPERATING WEIGHT (LBS)	REMARKS		
	CFM	SPEED	E.S.P.	H.P.	VOLTAGE/PHASE	MCA		GPM	WPD	BRANCH PIPING SIZE	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	EW (°F)	LWT (°F)	EAT (°F)	LAT (°F)	CAPACITY MBH				EW (°F)	LWT (°F)
UV-1	790	MED.	-	1/4	208V-1φ	2.6	VUVE100	6.7	5.05"	1"	80.5	66.0	55.3	53.0	30.7	21.8	45.0	54.4	48.0	131.3	71.5	150.0	128.9	81"x21"x30"	405	-
HUV-1	850	HI	0.1"	1.0	208V-1φ	8.7	HUV125	5.8	1.6"	1"	80.0	66.5	54.6	53.9	29.1	20.5	45.0	55.0	50.0	136.6	74.4	150.0	124.3	94"x16"x35"	435	-

- NOTES: 1. MODEL NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE DUTIES AND CAPACITIES ARE TO BE USED FOR FINAL UNIT SELECTION BY THE MANUFACTURER.
 2. REFER TO PLANS FOR UNIT CONFIGURATIONS. UNITS WITH THE SAME SYMBOL NUMBER MAY HAVE LEFT OR RIGHT HAND CONNECTIONS AND/OR REQUIRE DIFFERENT CONFIGURATIONS.
 3. ALL UNIT VENTILATORS AND THEIR ASSOCIATED COMPONENTS SHALL BE PROVIDED IN ONE OF THE UNIT MANUFACTURER'S STANDARD COLORS, ARCHITECT SHALL SELECT COLOR.
 4. PROVIDE MERV 13 FILTERS.
 5. HORIZONTAL UNITS: PROVIDE MANUFACTURER'S FRONT DOUBLE DEFLECTION DISCHARGE GRILLE, WITH BACK OUTSIDE AIR DUCT CONNECTION AND BACK RETURN AIR DUCT CONNECTION.
 6. VERTICAL UNITS: PROVIDE MANUFACTURER'S FALSE BACK, AND END COVERS.

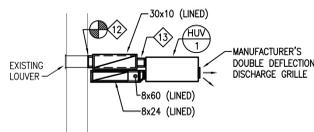
LOUVER SCHEDULE

SYMBOL	FUNCTION	CFM	WIDTH x HEIGHT	MIN. FREE AREA (SQ. FT.)	STATIC PRESSURE	MODEL	REMARKS
L-1	EXHAUST	600	20" x 16"	0.6	0.23"	ECD	-

- NOTES: 1. STANDARD COLOR FINISH.
 2. PROVIDE MANUFACTURER'S INSECT SCREEN.

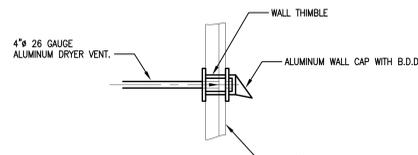
GRILLE AND REGISTER SCHEDULE

SYMBOL	SIZE	MODEL	MAXIMUM R.C.	MAXIMUM PRESSURE DROP	BORDER TYPE	MANUFACTURER	REMARKS
G1	8x8	350FL	<20	0.08	SURFACE	TITUS	-
G2	14x14	350FL	<20	0.08	SURFACE	TITUS	-
G3	24x14	350FL	<20	0.08	SURFACE	TITUS	-



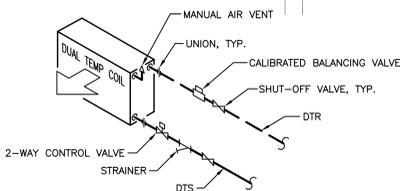
SECTION 'A'

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



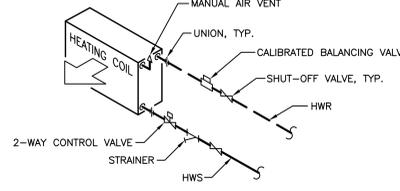
DRYER VENT DETAIL

NO SCALE



UV & FC COIL PIPING DETAIL

NO SCALE



CABINET HEATER COIL PIPING DETAIL

NO SCALE

REVISIONS	BY

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 800 WASHINGTON STREET
 READING, PA 19601

HVAC PLANS, SCHEDULES & DETAILS

DRAWN	DER
CHECKED	AM
DATE	10-16-2023
SCALE	AS NOTED
JOB NO.	22-2892-1
SHEET	

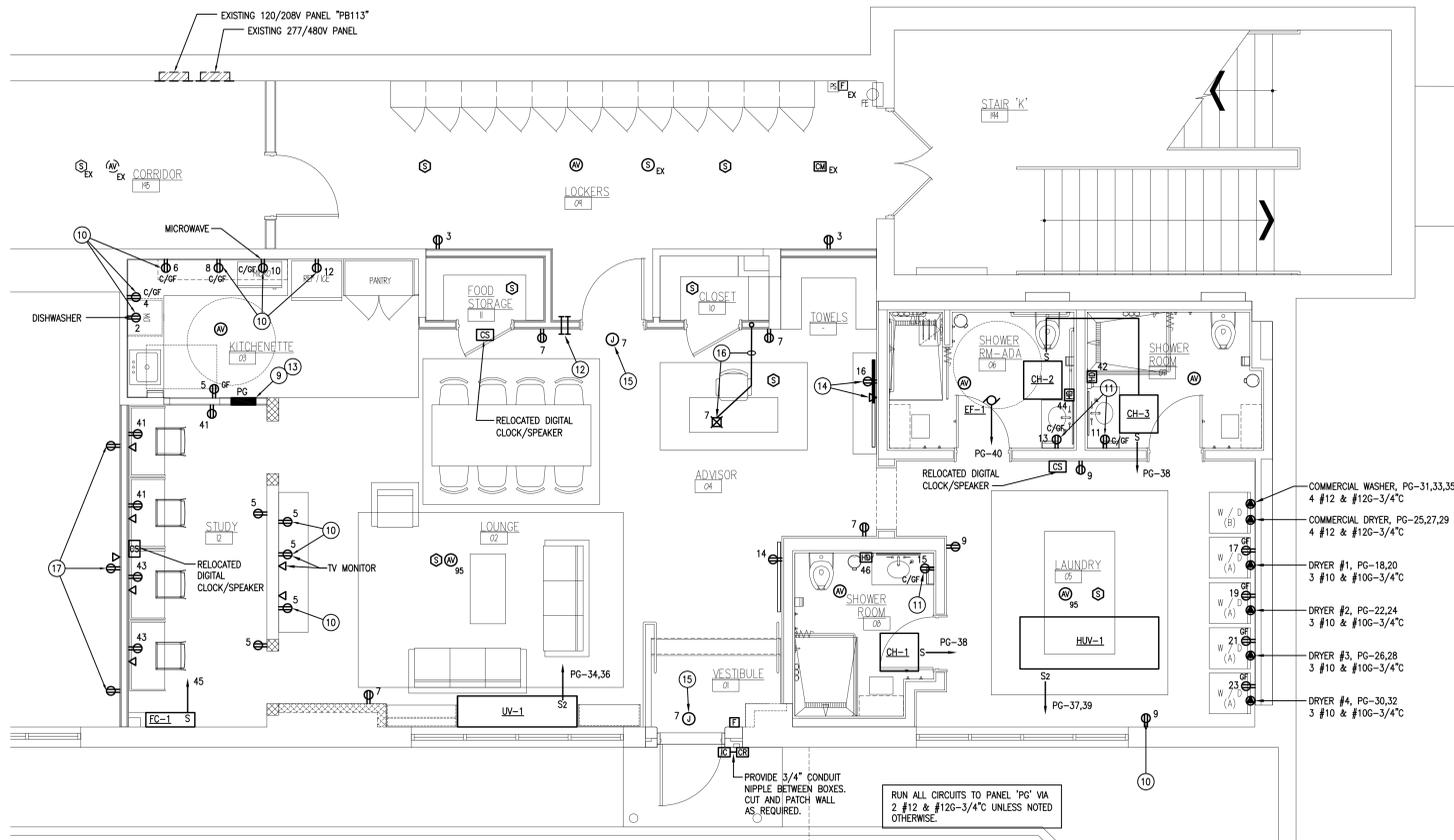
H-1

PROJECT GENERAL ELECTRICAL NOTES: (APPLY TO ALL SHEETS)

- THE CONTRACTOR SHALL PROVIDE ALL CIRCUITS (FEEDER AND BRANCH) WITH AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH A.E.C. TABLE 250-122.
- WHEN INSTALLING CONDUITS ABOVE CEILING, LOCATE IN SUCH A MANNER TO ALLOW ACCESS TO ALL PIPING, DUCTS, VALVES, AND OTHER DEVICES LOCATED ABOVE CONDUITS.
- CONDUIT SLEEVES MUST BE PROVIDED FOR ALL LOW VOLTAGE WIRING RUN IN OR THROUGH WALLS.
- IN ROOMS WITHOUT CEILINGS, LOW VOLTAGE WIRING MUST BE RUN IN CONDUIT. NO EXPOSED LOW VOLTAGE WIRING WILL BE PERMITTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY MISCELLANEOUS STEEL REQUIRED FOR MOUNTING ELECTRICAL EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE TO SIZE STEEL AND INSTALL PROPERLY FOR THE LOAD INTENDED.
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS AND DETAILS/ELEVATIONS TO COORDINATE THE EXACT LOCATION OF ALL ELECTRICAL DEVICES OR EQUIPMENT TO BE INSTALLED IN CASEWORK, CABINETS, GENERAL AREAS, ETC. DRAWINGS SHALL NOT BE SCALED. COORDINATE WITH FINAL CASEWORK LAYOUTS. ANY CONTRACTOR WHO FAILS TO COMPLY SHALL BEAR ALL COSTS OF EACH TRADE FOR DISCONNECTING, REMOVING AND REINSTALLING SYSTEM, EQUIPMENT OR PORTIONS THEREOF.
- EACH TRADE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE AVAILABLE SPACE IN THE CONCEALED AREAS OF THE STRUCTURE. HE MUST COORDINATE ALL THE WORK TO BE DONE AND EQUIPMENT TO BE INSTALLED IN ADVANCE AND PRIOR TO INSTALLING ANY SYSTEM OR PORTION THEREOF.
- ALL LOW VOLTAGE WIRING MUST BE AN APPROVED AIR PLENUM CABLE, OR RUN IN CONDUIT.
- ALL LOW VOLTAGE WIRING, NOT INSTALLED IN CONDUIT, ABOVE CEILINGS MUST BE RUN PERPENDICULAR AND/OR PARALLEL TO BUILDING STEEL. ALL CABLES MUST BE NEATLY TRIMMED AND WIRE TIED TO THE BUILDING STEEL, OR INSTALLED ON J-HOOKS OR BRIDLE RINGS WITH 25% SPARE CAPACITY. CABLES THAT ARE SIMPLY DROPPED THROUGH STEEL OR RUN AT ODD ANGLES WILL HAVE TO BE REMOVED AND REINSTALLED.
- ALL CONDUIT AND WIRING RUN TO FINISHED SPACES (I.E., CLASSROOMS, CORRIDORS, OFFICES, STORAGE ROOMS, ETC.) MUST BE CONCEALED. CONDUIT MAY BE RUN EXPOSED IN UNFINISHED AREAS (I.E., CRAWL SPACES, MECHANICAL EQUIPMENT ROOMS, ETC.). NO SURFACE RACEWAY MAY BE USED UNLESS SHOWN ON DRAWINGS OR APPROVED BY ENGINEER OR ARCHITECT IN WRITING. IN EXISTING CONSTRUCTION, WHERE WALLS CAN NOT BE FISHED, CONTRACTOR SHALL CUT AND PATCH WALLS TO INSTALL BOXES FLUSH IN WALL AND CONCEAL CONDUIT.
- OUTLETS MOUNTED BACK TO BACK AND/OR THE USE OF THROUGH BOXES IS NOT PERMITTED.
- THE CONTRACTOR SHALL VERIFY THE MOUNTING HEIGHT (SHOWN ON THE DRAWINGS) OF BUILDING MOUNTED LIGHT FIXTURES WITH THE ARCHITECT BEFORE ROUGHING IN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING OF EXISTING SURFACES THAT IS REQUIRED FOR HIS WORK. PATCHING SHALL INCLUDE EVERYTHING TO MATCH ADJACENT SURFACES.
- THE CONTRACTOR SHALL COORDINATE ALL DEVICES ASSOCIATED WITH MECHANICAL, PLUMBING AND ARCHITECTURAL EQUIPMENT INDICATED TO HAVE POWER CONNECTIONS WITH CONTRACTOR PROVIDING EQUIPMENT PRIOR TO ORDERING DEVICES AND ROUGH-INS. THE CONTRACTOR SHALL REQUEST SHOP DRAWINGS FOR ALL EQUIPMENT REQUIRING POWER BEFORE ROUGH-INS. ANY REWORK REQUIRED DUE TO FAILURE OF COORDINATION SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- FOR WORK REQUIRED WITHIN AREAS OF THE BUILDING WHERE NO GENERAL TRADES WORK IS REQUIRED, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL CEILING TILES, INCLUDING INSULATION FOUND ABOVE THE CEILING TO PERFORM HIS WORK. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO NOTIFY THE ENGINEER AND ARCHITECT IN WRITING WITH DATED PHOTOGRAPHIC EVIDENCE OF ANY DAMAGED CEILING TILES PRIOR TO REMOVAL. OTHERWISE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGED CEILING TILES WITHIN THE AREA OF WORK.
- UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROVIDE FINAL POWER CONNECTIONS TO ALL POWERED EQUIPMENT FURNISHED BY OTHER CONTRACTORS AND THE OWNER, INCLUDING, BUT NOT LIMITED TO AIR HANDLING EQUIPMENT, HEATING EQUIPMENT, COOLING EQUIPMENT, PUMPS, PLUMBING FIXTURE SENSORS, ELECTRIC WATER COOLERS, ELEVATORS, CHAIR LIFTS, KITCHEN EQUIPMENT, GYMNASIUM EQUIPMENT, SHOP EQUIPMENT, SECURITY GRILLES, DOOR HARDWARE, ELECTRONIC SIGNAGE, AUDITORIUM EQUIPMENT, ETC.
- UNLESS NOTED OTHERWISE, LIGHT SWITCHES INDICATED IN ROOMS SHALL CONTROL THE LIGHTING WITHIN THAT ROOM. WHERE MULTIPLE SWITCHES ARE INDICATED, REFER TO THE ASSOCIATED DRAWING NOTES AND/OR SUB-LETTER DESIGNATION FOR THE LIGHTING TO BE CONTROLLED BY EACH SWITCH.
- PROVIDE BOX EXTENSIONS WHEREVER WALL MOUNT ELECTRICAL DEVICES, INCLUDING, BUT NOT LIMITED TO RECEPTACLES, DATA JACKS, A/V CONNECTIONS, WALL SWITCHES, ETC. ARE LOCATED AT REARBORDS, CABINETS, CASEWORK OR OTHER WALL COVERING, AND CANNOT BE LOCATED ADJACENT DUE TO SPACE CONSTRAINTS, EQUIPMENT REQUIREMENTS OR DIRECT DIRECTION VIA ARCHITECT/ENGINEER DIRECTION OR ARCHITECTURAL ELEVATIONS. THE DEVICE COVERLATE SHALL COVER THE OPENING IN THE BACKBOARD, CABINETS, CASEWORK OR WALL COVERING TO CREATE A NICE AND NEAT FLUSH INSTALLATION.

KEYED DRAWING NOTES:

- E.C. SHALL PROVIDE TWO (2) NEW CORRIDOR SWITCHES (VERIFY IN FIELD WHETHER SWITCHES ARE TO BE 3-WAY OR 4-WAY). CONNECT EVERY OTHER CORRIDOR FIXTURE TO EACH SWITCH. CONNECT TO EXISTING CORRIDOR LIGHTING CIRCUITS.
- CONNECT LIGHT FIXTURE OR EXIT SIGN TO EXISTING CORRIDOR "NE" "NORMALLY ON" 24/7 CIRCUIT. EXTEND/MODIFY CIRCUIT ACCORDINGLY.
- FIXTURE CONTROLLED BY OCCUPANCY SENSOR. CONNECT TO CIRCUIT PG-1 ACCORDINGLY.
- FIXTURE TO BE CONNECTED TO EXISTING AREA NORMAL EMERGENCY CIRCUIT.
- ROOM LIGHT FIXTURES TO BE CONNECTED TO EXISTING AREA "NORMAL EMERGENCY" CIRCUIT. ALL FIXTURES CONTROLLED BY ROOM WET LOCATION OCCUPANCY SENSOR.
- OCCUPANCY SENSOR TO BE MOUNTED AT HEIGHT TO PICK UP MOVEMENT AS SOON AS ENTERING SPACE.
- ROOM LIGHT FIXTURES TO BE CONNECTED TO ROOM OCCUPANCY SENSOR(S) AND DIMMER STATION UNLESS NOTED OTHERWISE. DIMMERS SHALL BE COMPATIBLE WITH TYPE 'B' LIGHT FIXTURE.
- CONNECT EXTERIOR LIGHT FIXTURE TO EXISTING NORMAL EMERGENCY 24/7 CIRCUIT. FIXTURE CONTROL SHALL BE BY INTEGRAL PHOTOCELL. MOUNT FIXTURE ABOVE DOOR HEIGHT.
- E.C. SHALL COORDINATE PANEL LOCATION IN FIELD W/ MECH. CONTRACTOR. NO PIPING OR DUCTWORK IS PERMITTED TO RUN ABOVE PANEL. PROVIDE MINIMUM (5) SPARE 1 1/4" CONDUITS FROM PANEL TO HEIGHT IN EXPOSED STRUCTURE AREA ABOVE PANEL FOR FUTURE CIRCUITS.
- CUT AND PATCH WALL AS REQUIRED TO RECESS DEVICE BOXES. SURFACE BOXES AND RACEWAY IS NOT ACCEPTABLE.
- COORDINATE RECEPTACLE WITH TOILETRY ACCESSORIES PRIOR TO ROUGH-INS. REFER TO ARCHITECTURAL ELEVATIONS.
- PROVIDE (2) SPARE 1 1/2" CONDUIT SLEEVES ABOVE CORRIDOR CEILING INTO LOUNGE/ADVISOR SPACE FOR FUTURE CABLE ACCESS.
- RUN 4 #4/0 & #40-2 1/2" ABOVE ACCESSIBLE AND EXPOSED CEILING TO EXISTING PANEL "MOP115". ADD 225A/3P CIRCUIT BREAKER IN PANEL "MOP115" AND CONNECT FEEDER. APPROX. FEEDER LENGTH IS 280'.
- COORDINATE DEVICE HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- PROVIDE 120V POWER WIRING ABOVE CEILING AS REQUIRED FOR DOOR HARDWARE POWER SUPPLY COMPONENTS.
- CUT AND PATCH FLOOR TO INSTALL FLOOR BOX AND POWER/DATA CONDUITS.
- RUN 2 #12W/#12GRD-3/4" TO EXISTING PANEL PB113 ADD 1P-20A C.B.



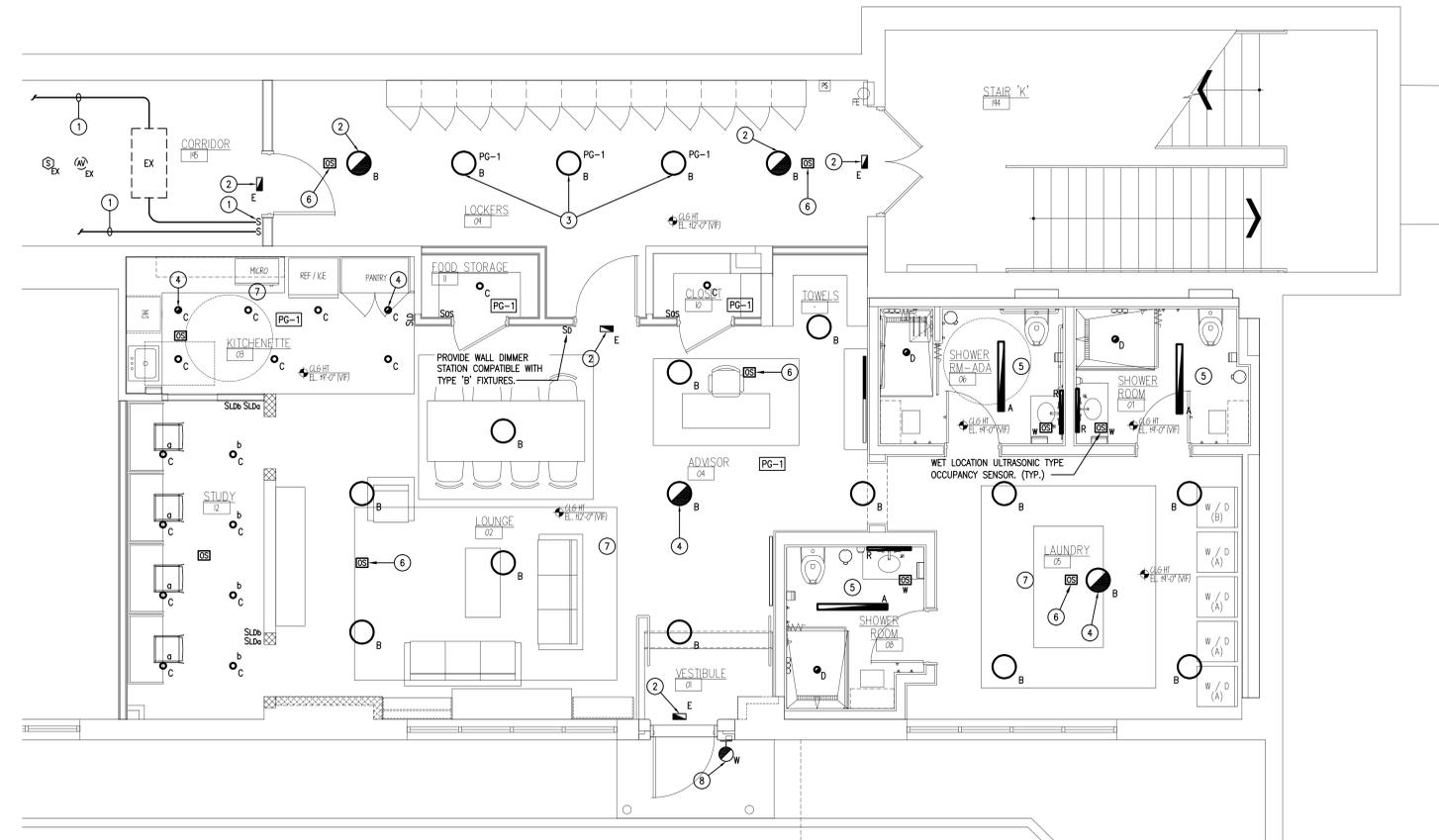
POWER PLAN

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

LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NUMBER	WATTS	VOLTS	MOUNTING	REMARKS
A	MARK	SLBL LOP 4FT FLP FL BOCRI 35K 600LMF 120 DPL	24	120	RECESSED	NOTES 1,2, WITH DRYWALL FLANGE
B	TMS LIGHTING	CAL-1-16-19LED-GRD-35K-120-RAL-DML	19	120	PENDANT	NOTES 2,3,6
C	GOTHAM	EV04 35/10 AR LSS MWD MVOLT TRW	9	120	RECESSED	NOTES 1,2
D	GOTHAM	EV04SH 35/10 DFR SOL MVOLT	9	120	RECESSED	NOTES 1,2
E	LITHONIA	LVS WB 1 R 120/277 UM	1	120	UNIVERSAL	NOTE 4
R	ANGOLO	OP-SFU-ANGL-1-L7-3500K-FRT-GLW-MC-30-241-LEAD	15	120	WALL	NOTES 1,2, PROVIDE POWER SUPPLY
W	LITHONIA	WPX1 LED P2 40K MVOLT PE XX	24	120	WALL	NOTES 1,5

LIGHTING FIXTURE SCHEDULE NOTES:

- PROVIDE 0-10V STANDARD DIMMING DRIVER IN FIXTURE.
- PROVIDE 3500K COLOR TEMPERATURE.
- CUSTOM COLOR SELECTED BY ARCHITECT/OWNER.
- VERIFY MOUNTING CONFIGURATION (WALL OR CEILING) AND DIRECTIONAL ARROWS PRIOR TO ORDERING FIXTURE.
- ARCHITECT/OWNER TO SELECT COLOR FROM MANUFACTURER'S STANDARD FINISH OPTIONS.
- PROVIDE COMPATIBLE WALL DIMMER STATION TO OPERATE LIGHT FIXTURE.



LIGHTING PLAN

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

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READING SCHOOL DISTRICT
 800 WASHINGTON STREET
 READING, PA 19601

LIGHTING & POWER PLANS

DRAWN	RG
CHECKED	JS
DATE	10-16-2023
SCALE	AS NOTED
FORM NO.	22-2892-1
SHEET	

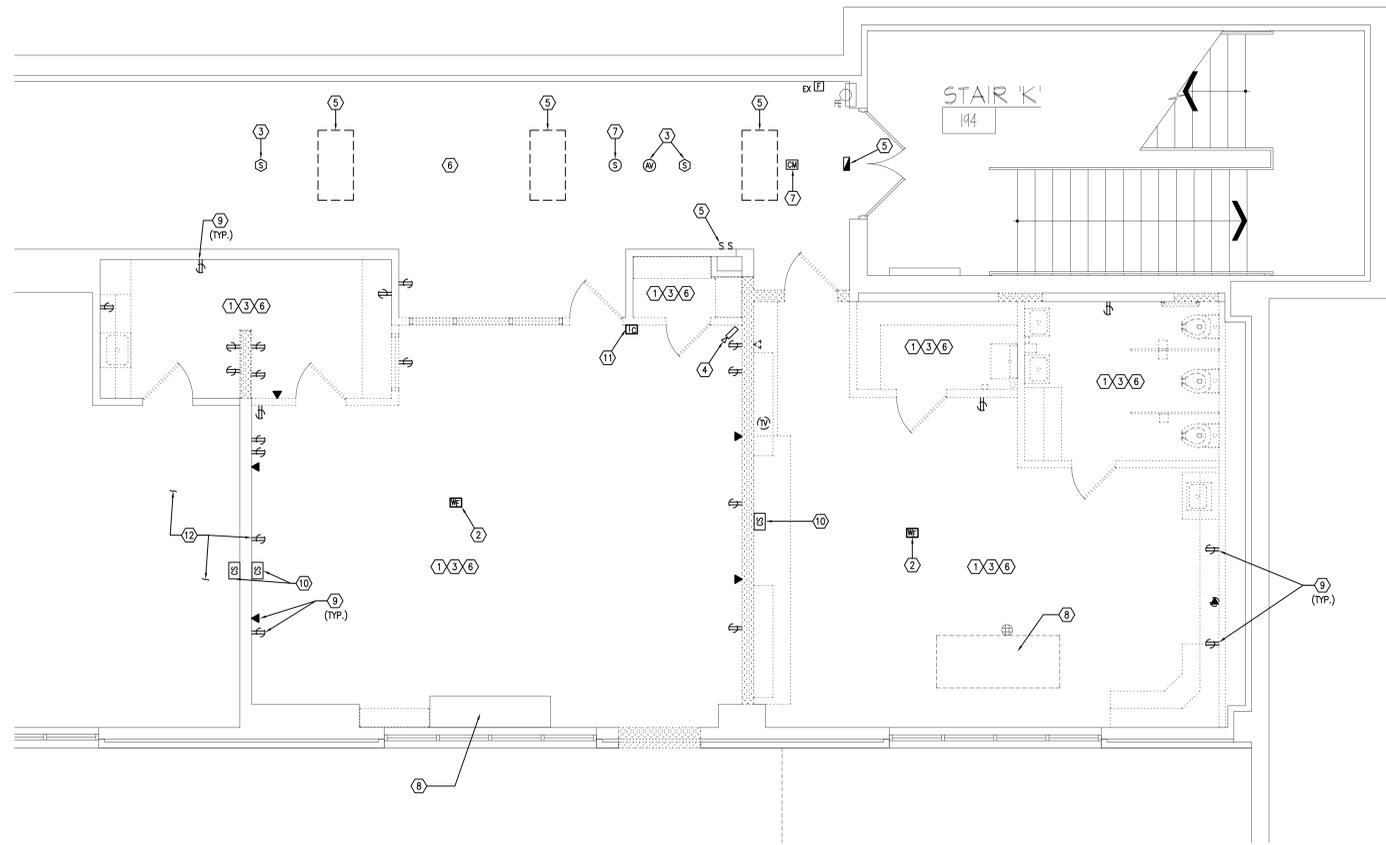
E-1

PROJECT GENERAL DEMOLITION NOTES: (APPLY TO ALL SHEETS)

- THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE EXISTING FACILITY AND ALL CONTRACT DRAWINGS TO DETERMINE THE EXTENT OF THE ELECTRICAL DEMOLITION WORK. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WITH ALL TRADES. ELECTRICAL DEMOLITION SHALL INCLUDE ALL WORK AS OUTLINED BELOW. COORDINATE ALL DEMOLITION WITH CONSTRUCTION SCHEDULE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE PLUMBING, HEATING AND ARCHITECTURAL DRAWINGS FOR THE EQUIPMENT BEING REMOVED. ALL EXISTING PLUMBING, HEATING AND ARCHITECTURAL EQUIPMENT ON THOSE DRAWINGS INDICATED TO BE REMOVED, SHALL BE ELECTRICALLY DISCONNECTED BY THE ELECTRICAL CONTRACTOR. ALL EXISTING PLUMBING, HEATING AND ARCHITECTURAL EQUIPMENT SHOWN ON THOSE DRAWINGS TO REMAIN, SHALL REMAIN ELECTRICALLY CONNECTED UNLESS NOTED OTHERWISE ON THE ELECTRICAL DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE ARCHITECTURAL CASEWORK DRAWINGS. EXISTING DEVICES THAT FALL BEHIND NEW CASEWORK SHALL BE DISCONNECTED, REMOVED AND A BLANK COVER PLATE INSTALLED. REROUTE EXISTING CIRCUIT AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY.
- REMOVE ALL EXISTING CONDUIT AND WIRING BEING ABANDONED. EXISTING CONDUITS IN GOOD CONDITION, SIZED, OF CORRECT TYPE AND LOCATED CORRECTLY TO ACCOMMODATE NEW WORK MAY REMAIN IN PLACE AND BE REUSED. THE ELECTRICAL CONTRACTOR SHALL PROVIDE PROPER SUPPORT AS PER NEC FOR ANY CONDUITS BEING REUSED.
- RELOCATE OR EXTEND EXISTING CIRCUITS NOT BEING ABANDONED, AS REQUIRED ON A PERMANENT BASIS, TO ACCOMMODATE NEW WORK AND MAINTAIN CIRCUIT INTEGRITY.
- CONTRACTOR SHALL PATCH WALLS, FLOORS, CEILING, ETC. TO MATCH ADJACENT SURFACES WHERE EXISTING EQUIPMENT IS BEING REMOVED. PATCHING SHALL BE PROVIDED FOR ALL OPENINGS, INCLUDING, BUT NOT LIMITED TO OPENINGS FOR CONDUITS, BOXES, ANCHORS, ETC. PATCHING SHALL INCLUDE EVERYTHING, TO MATCH ADJACENT SURFACES. IN LIEU OF PATCHING, CONTRACTOR MAY USE BLANK WALL PLATES FOR STANDARD SIZE SINGLE AND MULTI-GANG DEVICE BOXES (I.E. SWITCH AND RECEPTACLE BOXES). COVER PLATES SHALL MATCH OTHER DEVICE PLATES IN THE AREA IN BOTH MATERIAL AND FINISH. CONTRACTOR SHALL REMOVE ALL RECESSED BOXES FOR LARGER NON-STANDARD SIZE BOXES (I.E. FIRE ALARM PULLS AND BELLS, CLOCKS, SPEAKERS, PANELBOARDS, ETC.) AND PATCH SURFACES.
- THE OWNER SHALL HAVE FIRST CHOICE OF ANY EXISTING EQUIPMENT OR MATERIALS BEING REMOVED. THE CONTRACTOR SHALL DELIVER ITEMS TO BE SALVAGED BY THE OWNER TO DESIGNATED STORAGE AREA ON THE JOB SITE. ALL EQUIPMENT AND MATERIALS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL REMOVE THESE ITEMS FROM THE SITE AND PROPERLY DISPOSE OF THEM.
- WHERE DEMOLISHED ITEMS REVEAL UNFINISHED CONSTRUCTION, INTERRUPTED FINISHES, ATTACHMENT HOLES AND OTHER CONDITIONS THAT DO NOT MATCH EXISTING ADJACENT FINISH CONSTRUCTION, PATCH TO MATCH ADJACENT FINISHES.

KEYED DEMOLITION NOTES:

- DISCONNECT AND REMOVE ROOM LIGHT FIXTURES, SWITCHING & CONTROLS. REMOVE EXISTING ASSOCIATED CONDUIT AND WIRING. DISCONNECT AND REMOVE ANY EXIT SIGNS AND ASSOCIATED CONDUIT.
- EXISTING WIFI DEVICE TO REMAIN. E.C. SHALL MOUNT TO BLDG. STEEL ABOVE ONCE CEILING IS REMOVED.
- EXISTING ROOM FIRE ALARM DEVICE SHALL REMAIN IN PLACE AND BE FUNCTIONAL UNTIL NEW FIRE ALARM SYSTEM DEVICES ARE INSTALLED (SMOKE DETECTORS, A/V/S, ETC.) AT WHICH POINT IT SHALL BE REMOVED.
- DISCONNECT AND REMOVE EXISTING CCTV CAMERA & ASSOCIATED WIRING. TURN CCTV CAMERA OVER TO SCHOOL DISTRICT.
- DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE OR EXIT SIGN. EXISTING CIRCUITS TO REMAIN AND BE MODIFIED/EXTENDED ACCORDINGLY FOR CONNECTION TO NEW LIGHT FIXTURES. REMOVE EXISTING CONTROLS AND PROVIDE NEW.
- CONTRACTOR SHALL BE RESPONSIBLE TO TIE UP PERMANENTLY ANY/ALL REMAINING LOW VOLTAGE/POWER WIRING TO STRUCTURE.
- DISCONNECT AND REMOVE EXISTING PAGING SPEAKER AND/OR SECURITY DEVICE. REINSTALL ATTACHED TO EXISTING STRUCTURE. RECONNECT TO EXISTING WIRING.
- DISCONNECT EXISTING UNIT VENTILATOR FOR REMOVAL. REMOVE CONDUIT AND WIRING BACK TO SOURCE.
- DISCONNECT AND REMOVE EXISTING WIRING DEVICE. REMOVE CONDUIT AND WIRING BACK TO NEXT DEVICE OR SOURCE.
- DISCONNECT AND REMOVE EXISTING COMBINATION CLOCK/SPEAKER UNIT AND BACKBOX. SALVAGE EQUIPMENT FOR REUSE. REFER TO POWER PLAN FOR NEW LOCATION. MODIFY/EXTEND EXISTING WIRING TO NEW LOCATION. PROVIDE REPROGRAMMING OF PAGING SYSTEM.
- DISCONNECT AND REMOVE EXISTING INTERCOM STATION AND WIRING.
- PROVIDE ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR NEW WORK.



FLOOR PLAN - ELECTRICAL DEMOLITION

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

ELECTRICAL LEGEND

(REFER TO SPECIFICATIONS FOR MORE INFORMATION)
NOTE: DIMENSIONS ARE TO CENTER OF DEVICE, UNLESS NOTED OTHERWISE.

LIGHTING FIXTURES

(REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND TYPE)

- SYMBOL DESCRIPTION**
- [Symbol] - LIGHTING FIXTURE.
 - [Symbol] - LIGHTING FIXTURE - NORMAL AND EMERGENCY POWER.
 - [Symbol] - LIGHTING FIXTURE.
 - [Symbol] - WALL MOUNTED LIGHTING FIXTURE.
 - [Symbol] - EXIT LIGHTING FIXTURE - NORMAL AND EMERGENCY POWER - ARROW(S) INDICATE DIRECTIONAL MARKERS.

SWITCHES

- SYMBOL DESCRIPTION**
- S - SINGLE POLE SWITCH - 20 AMP - MOUNT 46" AFF.
 - S2 - 2-POLE TOGGLE SWITCH MOUNTED ON OR ADJACENT TO EQUIPMENT.
 - Sdp - DIMMER LIGHT SWITCH - LOW VOLTAGE DIMMER SWITCH STATION COMPATIBLE WITH ROOM CONTROLLER TO FUNCTION WITH OCCUPANCY SENSOR. MOUNT 46" AFF.
 - Ses - OCCUPANCY SENSING WALL SWITCH - MOUNT 46" AFF.
 - [Symbol] - CEILING/WALL MOUNTED LOW VOLTAGE (24V) DUAL TECHNOLOGY OCCUPANCY SENSING UNIT WITH 0-10V DIMMING ROOM CONTROLLER.
 - [Symbol] W - CEILING/WALL MOUNTED LOW VOLTAGE (24V) OCCUPANCY SENSING WATT STOPPER UT-300 ULTRASONIC UNIT UL LISTED FOR WET LOCATION USE.

RECEPTACLES

- SYMBOL DESCRIPTION**
- [Symbol] - DUPLEX RECEPTACLE - 20 AMP - 120 VOLT 18" AFF.
 - [Symbol] - SPARE
 - [Symbol] - GROUND FAULT RECEPTACLE - INDIVIDUAL TYPE - 18" ABOVE FINISHED FLOOR.
 - [Symbol] - SPECIAL OUTLET - SIZE AND TYPE INDICATED - 18" AFF.
 - [Symbol] - SPARE
 - [Symbol] - DUPLEX RECEPTACLE - 20 AMP, 120 VOLT - "C" INDICATES MOUNTED ABOVE COUNTER OR HEIGHT ABOVE BACKSPLASH. COORDINATE EXACT LOCATION WITH ARCHITECT AND CASEWORK DRAWINGS.
 - [Symbol] - FLUSH FLOOR OUTLET FOR IN SLAB CONCRETE FLOOR - PROVIDE (2) DUPLEX RECEPTACLES AND (2) 1 1/4" CONDUITS FROM COMMUNICATION SIDE OF BOX FOR DATA/VOICE/VIDEO CABLES (CABLES BY OWNER). PROVIDE WIREMOLD CAT. NO. RFBX-C1-1. PROVIDE ALL POWER AND COMMUNICATION BRACKETS. BOX RATED FOR IN SLAB USE. CUT AND PATCH FLOOR TO MATCH EXISTING.

EQUIPMENT

- SYMBOL DESCRIPTION**
- [Symbol] - MOTOR - SIZE AND TYPE AS INDICATED - BY OTHERS. PROVIDE FINAL CONNECTIONS.
 - [Symbol] - PANELBOARD.
 - [Symbol] - EXISTING PANELBOARD.
 - [Symbol] - HAND DRYER - 120V, 1600 WATT - REFER TO ARCH. ELEVATION DWG FOR MOUNTING HEIGHT. PROVIDE FLUSH IN WALL BOX. DRYER SUPPLIED BY G.C.

COMMUNICATION SYSTEMS

- SYMBOL DESCRIPTION**
- [Symbol] - TELEPHONE OUTLET.
 - [Symbol] - DATA OUTLET, FLUSH MOUNTED SINGLE GANG 3 1/2" DEEP BOX 18" AFF UNO WITH 1" CONDUIT TO ACCESSIBLE CEILING PLENUM. PROVIDE BLANK COVER PLATE FOR BOX. DATA JACKS AND CABLING BY OTHERS.
 - [Symbol] - TELEVISION OUTLET.
 - [Symbol] - COMBINATION CLOCK/SPEAKER UNIT. PROVIDE LOW VOLTAGE OR 120V AS REQUIRED.
 - [Symbol] - INTERCOM SYSTEM STATION - 46" AFF. PROVIDE FLUSH, 4-GANG DEVICE BOX AND 1" CONDUIT TO ACCESSIBLE CEILING PLENUM. CABLING AND DEVICE BY OTHERS. SURFACE BOX IS NOT ACCEPTABLE.
 - [Symbol] - INTERCOM SYSTEM SPEAKER.

SECURITY/ACCESS CONTROL SYSTEMS

- SYMBOL DESCRIPTION**
- [Symbol] - CEILING MOUNTED MOTION DETECTOR.
 - [Symbol] - CCTV SYSTEM CAMERA.
 - [Symbol] - CARD READER - 46" AFF. PROVIDE FLUSH, SINGLE GANG DEVICE BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING PLENUM. CABLING AND CARD READER DEVICE BY OTHERS. E.C. SHALL PROVIDE ACCESS CONDUIT STUB FROM ACCESSIBLE CEILING DOWN INTO DOOR FRAME FOR WIRING BY OTHERS. SURFACE BOX IS NOT ACCEPTABLE.

FIRE ALARM SYSTEM

- SYMBOL DESCRIPTION**
- [Symbol] - FIRE ALARM VISUAL UNIT - 80" AFF TO BOTTOM OF BOX UNO. NUMBER BESIDE UNIT INDICATES CANDELA RATING OTHER THAN 15.
 - [Symbol] - COMBINATION FIRE ALARM AUDIO/VISUAL UNIT CEILING MOUNT. NUMBER BESIDE UNIT INDICATES CANDELA RATING OTHER THAN 15.
 - [Symbol] - FIRE ALARM PULL STATION - 42" ABOVE FINISHED FLOOR TO THE HANDLE.
 - [Symbol] - SMOKE DETECTOR.

WIRING

- SYMBOL DESCRIPTION**
- [Symbol] - HOMERUN TO APPLICABLE PANEL - WIRING SHALL BE 2 #12 AWG WITH SEPARATE #12 GROUND WIRE IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
 - [Symbol] - INDICATES DRAWING NOTE NUMBER.
 - [Symbol] - INDICATES DEMOLITION NOTE NUMBER.

ABBREVIATIONS

- SYMBOL DESCRIPTION**
- CH - CABINET HEATER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
 - EF - EXHAUST FAN - BY OTHERS. PROVIDE FINAL CONNECTIONS.
 - EX - EXISTING ITEM TO REMAIN
 - UNO - UNLESS NOTED OTHERWISE
 - UV - UNIT VENTILATOR - BY OTHERS. PROVIDE FINAL CONNECTIONS.

SQUARE D NO		WITH GRD. BAR & 100% RATED NEUTRAL		AIC RATING		10,000	
PANEL	PG	MAINS	225A MCB	WIRES	4	POLES	72
VOLTS		MOUNTING		LOCATION		LAUNDRY 05	
REMARKS AND LOCATION	LOAD	EKR	CKT	CKT	EKR	LOAD	REMARKS AND LOCATION
KITCHEN, LOUNGE, CLOSET LIGHTS	348	20	1	2	20	180	DISHWASHER
CORRIDOR RECP'T'S	360	20	3	4	20	180	KITCHEN ABOVE COUNTER RECP.T.
LOUNGE RECP'T'S	540	20	5	6	20	180	KITCHEN ABOVE COUNTER RECP.T.
LOUNGE, ADVISOR RECP'T'S	540	20	7	8	20	180	KITCHEN ABOVE COUNTER RECP.T.
LAUNDRY RECP'T'S	540	20	9	10	20	180	MICROWAVE
TOILET RECP.T.	180	20	11	12	20	180	REFRIGERATOR
TOILET RECP.T.	180	20	13	14	20	360	MESSAGE BOARD
TOILET RECP.T.	180	20	15	16	20	360	MESSAGE BOARD
WASHER #1	180	20	17	18	30	4000	DRYER #1
WASHER #2	180	20	19	20	30	4000	DRYER #2
WASHER #3	180	20	21	22	30	4000	DRYER #2
WASHER #4	180	20	23	24	30	4000	DRYER #2
COMMERCIAL DRYER	4800	20	25	26	30	4000	DRYER #3
		20	27	28	30	4000	DRYER #3
		3	29	30	30	4000	DRYER #4
		3	31	32	2	4000	DRYER #4
COMMERCIAL WASHER	4500	20	33	34	20	540	UV-1 LOUNGE
		3	35	36	2		
HUV-1 LAUNDRY	1450	20	37	38	20	684	CH-1,2,3
		2	39	40	20	460	EF-1
STUDY RECP'T'S	360	20	41	42	20	GF 1600	HAND DRYER SHOWER RM 01
STUDY RECP'T'S	360	20	43	44	20	GF 1600	HAND DRYER SHOWER RM 06
STUDY FAN COIL	200	20	45	46	20	GF 1600	HAND DRYER SHOWER RM 08
SPARE	-	20	47	48	20	-	SPARE
SPARE	-	20	49	50	20	-	SPARE
SPARE	-	20	51	52	20	-	SPARE
SPARE	-	20	53	54	-	-	SPACE
SPARE	-	20	55	56	-	-	SPACE
SPARE	-	20	57	58	-	-	SPACE
SPACE			59	60	-	-	SPACE
SPACE			61	62	-	-	SPACE
SPACE			63	64	-	-	SPACE
SPACE			65	66	-	-	SPACE
SPACE			67	68	-	-	SPACE
SPACE			69	70	-	-	SPACE
SPACE			71	72	-	-	SPACE

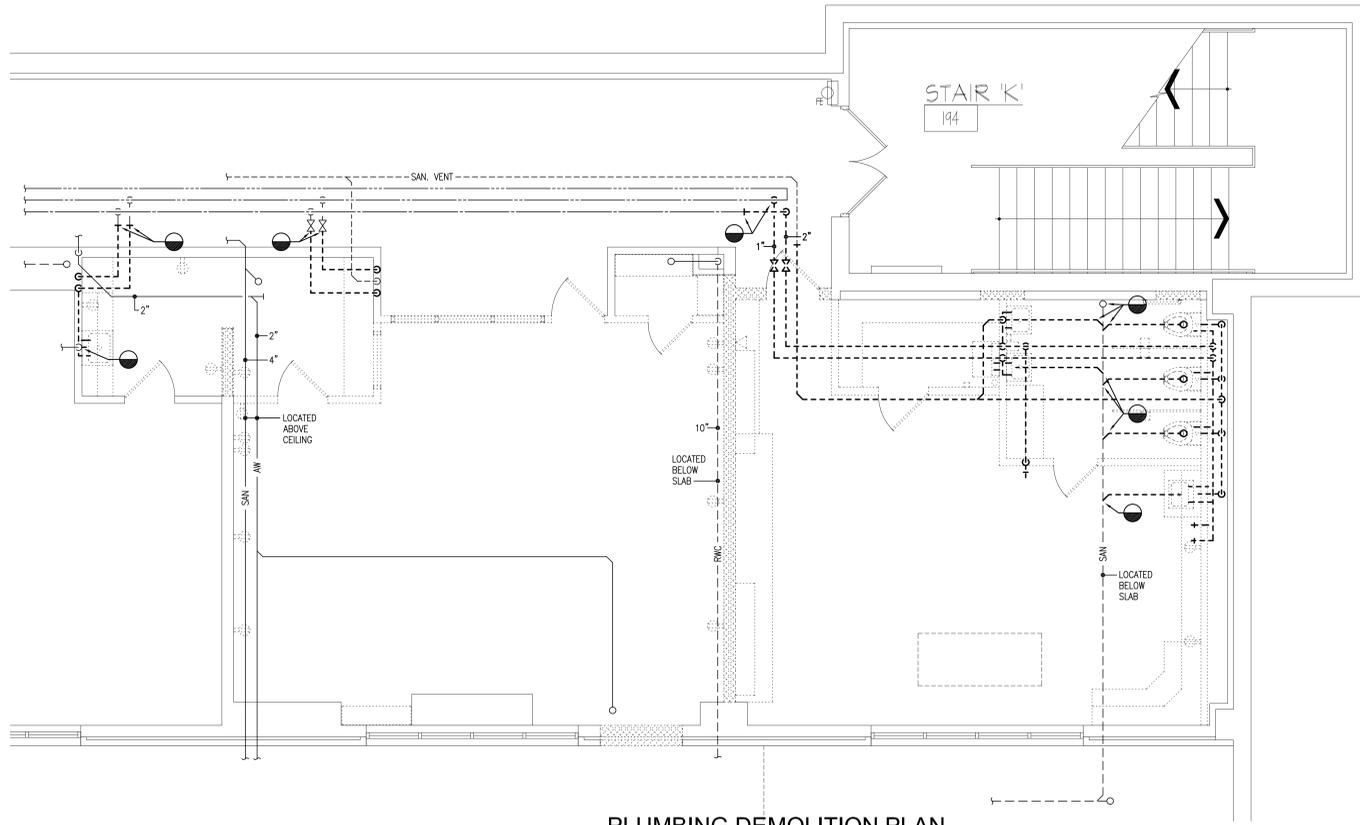
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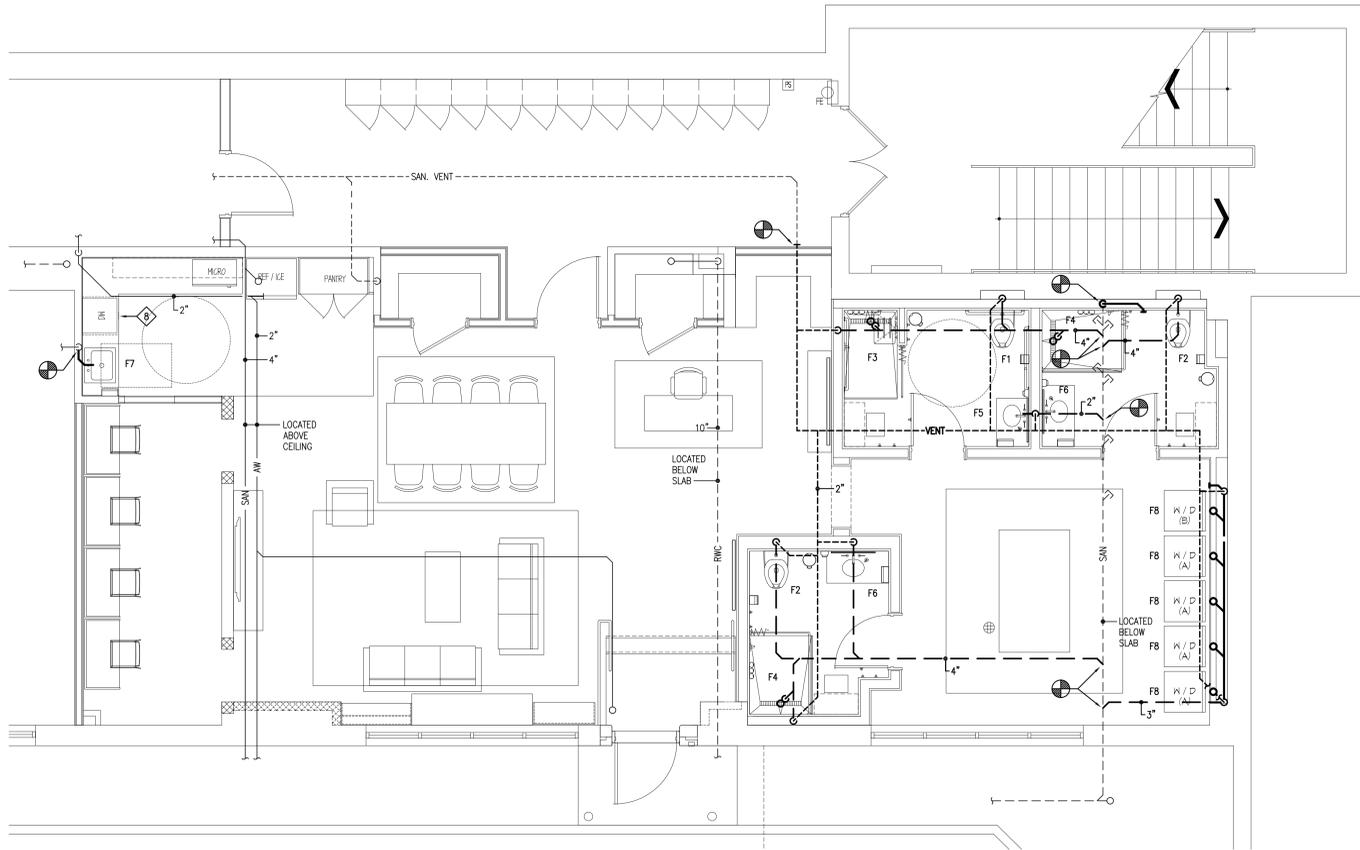
RHS RENOVATIONS - THE RED KNIGHTS KEEP
READING SCHOOL DISTRICT
800 WASHINGTON STREET
READING, PA 19601

ELECTRICAL DEMOLITION PLAN

DRAWN	RD
CHECKED	JS
DATE	10-16-2023
SCALE	AS NOTED
JOB NO.	22-2892-1
SHEET	



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



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

KEYED DRAWING NOTES:

- 1. REMOVE EXISTING WATER CLOSET IN ITS ENTIRETY INCLUDING SANITARY, VENT AND COLD WATER PIPING, CARRIER, SUPPORTS, FLUSH VALVE, FITTINGS AND ASSOCIATED APPURTENANCES.
- 2. REMOVE EXISTING LAVATORY IN ITS ENTIRETY INCLUDING SANITARY, VENT, HOT AND COLD WATER PIPING, SUPPORTS, FAUCET, FITTINGS AND ASSOCIATED APPURTENANCES.
- 3. REMOVE EXISTING FLOOR CLEAN OUT IN ITS ENTIRETY INCLUDING PIPING, SUPPORTS, FITTINGS AND ASSOCIATED APPURTENANCES.
- 4. REMOVE EXISTING MOP RECEPTOR IN ITS ENTIRETY INCLUDING PIPING, SUPPORTS, FITTINGS AND ASSOCIATED APPURTENANCES.
- 5. REMOVE EXISTING WATER PIPING IN ITS ENTIRETY INCLUDING FITTINGS, INSULATION, VALVES, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH WALL PENETRATIONS TO MATCH EXISTING MATERIALS, LAYERS AND FINISHES.
- 6. REMOVE EXISTING SANITARY/VENT PIPING IN ITS ENTIRETY INCLUDING FITTINGS, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH WALL PENETRATIONS TO MATCH EXISTING MATERIALS, LAYERS AND FINISHES.
- 7. REMOVE EXISTING HOSE BIBS IN ITS ENTIRETY INCLUDING SANITARY, VENT, HOT AND COLD WATER PIPING, SUPPORTS, FAUCET, FITTINGS AND ASSOCIATED APPURTENANCES.
- 8. EXTEND SUPPLY AND DRAIN PIPING CONNECTION TO DISHWASHER.

THE DEMOLITION WORK INDICATED IS INTENDED TO ASSIST THE CONTRACTOR AND ONE GENERAL INFORMATION. THE CONTRACTOR SHALL BE REQUIRED TO VISIT THE PROJECT SITE PRIOR TO BIDDING TO FULLY ACQUANT HIMSELF WITH THE EXTENT OF ALL DEMOLITION WORK WHICH IS NECESSARY TO COMPLETE THE ALTERATIONS AND NEW CONSTRUCTION AS DESCRIBED IN THE CONTRACT DOCUMENTS. ALL DEMOLITION WORK REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE WHETHER INDICATED ON THE DRAWING OR NOT. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY CLAIMS FOR ADDITIONAL COMPENSATION RELATED TO REQUIRED DEMOLITION.

GENERAL PROJECT NOTES:

1. PROVIDE THE MINIMUM REQUIRED SERVICE CLEARANCES FOR ALL EQUIPMENT AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
2. HVAC DUCTWORK AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. CONTRACTOR TO PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS.
3. HVAC CONTRACTOR IS REQUIRED TO COORDINATE ALL HVAC WORK WITH THE WORK OF ALL OTHER TRADES TO ENSURE CORRECT AND QUALITY INSTALLATIONS.
4. DUCT FITTINGS THAT ARE BETWEEN STRAIGHT SECTIONS OF DUCT THAT IS SHOWN LINED SHALL ALSO BE LINED.
5. DUCT DIMENSIONS GIVEN ARE METAL (OUTSIDE) DIMENSIONS UNLESS OTHERWISE NOTED.
6. THE HVAC CONTRACTOR SHALL COORDINATE ALL WORK ABOVE THE CEILING WITH THE ELECTRICAL, PLUMBING, FIRE PROTECTION AND GENERAL CONTRACTORS TO INSURE THE SCHEDULED CEILING HEIGHTS CAN BE MAINTAINED.
7. ALL LOW VOLTAGE WIRING (UNDER 120V) REQUIRED FOR HVAC EQUIPMENT SHALL BE PROVIDED BY THE HVAC CONTRACTOR PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO PROVIDE ALL CUTTING & PATCHING REQUIRED FOR THEIR WORK, UNLESS OTHERWISE INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS.
9. GENERAL CONTRACTOR TO REMOVE EXISTING FLOOR SLAB AND PROVIDE NEW AT LOCATION INDICATED ON THE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE SAW-CUTTING, AND PATCHING OF EXISTING FLOOR SLAB WHERE REQUIRED AND NOT INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE TRENCHING AND BACKFILL AS REQUIRED FOR ALL BELOW SLAB PLUMBING WORK. WHERE PLUMBING CONTRACTOR IS TO PROVIDE SAW-CUTTING, PLUMBING CONTRACTOR TO PATCH FLOOR SLAB TO MATCH EXISTING.
10. IN AREAS WHERE CEILING REMOVAL IS NOT INDICATED TO BE PERFORMED BY THE GENERAL CONTRACTOR (REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LIMITS OF WORK), THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE & REINSTALL EXISTING CEILING SYSTEMS. PRIOR TO START OF ANY DEMOLITION WORK, THE CONTRACTOR SHALL PHOTOGRAPH ANY AREAS WITH EXISTING DAMAGE AND NOTIFY THE OWNER PRIOR TO START OF WORK. IN AREAS WHERE ACOUSTICAL CEILINGS ARE PRESENT, CAREFULLY REMOVE AND TEMPORARILY STORE EXISTING ACOUSTICAL CEILING TILE AND ASSOCIATED CEILING TRACK SYSTEM. IN AREAS WHERE PLASTER CEILINGS ARE PRESENT, CUT AND REMOVE EXISTING PLASTER CEILING SYSTEM AS NEEDED TO COMPLETE ALL INDICATED WORK. THE CONTRACTOR WILL BE RESPONSIBLE TO TEMPORARILY SUPPORT ALL EXISTING CEILING DEVICES (LIGHT FIXTURES, SPEAKERS, DETECTORS, SENSORS, ETC.). ONCE ALL INDICATED WORK IS COMPLETE THE CONTRACTOR WILL BE RESPONSIBLE TO RESTORE EXISTING CEILING SYSTEMS AND REINSTALL ALL TEMPORARILY REMOVED EXISTING CEILING DEVICES. THE CONTRACTOR IS TO REPLACE ALL CEILING TILES, SUPPORTS, GRID AND DEVICES THAT WERE DAMAGED AS A RESULT OF THE CONTRACTOR'S WORK.

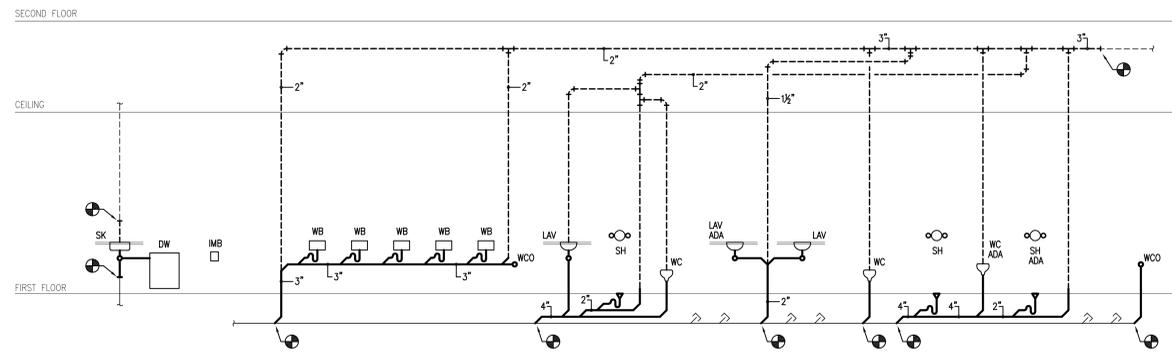
PLUMBING LEGEND

(ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT)

	2-WAY CONTROL VALVE		DOMESTIC COLD WATER
	MIXING VALVE		DOMESTIC HOT WATER
	BACKFLOW PREVENTER		140°F DOMESTIC HOT WATER
	BALL OR BUTTERFLY VALVE		140°F HOT WATER RECIRC.
	CALIBRATED BALANCING VALVE		SANITARY WASTE
	CHECK VALVE		SANITARY WASTE - UNDERGROUND
	STRAINER		SANITARY VENT
	WATER HAMMER ARRESTOR - SIZE PER FDI STANDARD		RAINWATER CONDUCTOR
	UNION OR FLANGED CONNECTION		RAINWATER CONDUCTOR - BELOW
	FLEXIBLE PIPE CONNECTION		CONDENSATE DRAIN PIPING
	PRESSURE GAUGE		TEMPERED WATER
	THERMOMETER		SOFTENED WATER
	NEEDLE VALVE		KEYED DRAWING NOTE
	TRAP PRIMER		CONNECT TO EXISTING
			EXTENT OF DEMOLITION

ABBREVIATIONS

ABV	ABOVE APPROXIMATELY	FCO	FLOOR CLEAN OUT
ARCH	ARCHITECTURAL	FLR	FLOOR DRAIN
AVTR	ACID VENT THRU ROOF	GC	GENERAL CONTRACTOR
AV	ACID VENT PIPING	HW	HOT WATER
AW	ACID WASTE PIPING	HC	HEATING CONTRACTOR
BLW	BELOW	INV	INVERT
BLDG	BUILDING	IMB	ICE MAKER BOX
CD	CONDENSATE DRAIN	LAV	LAVATORY
CIP	CAST IRON PIPE	MH	MAN HOLE
CLG	CEILING	PC	PLUMBING CONTRACTOR
COND	CONDENSATE DRAIN	REQ'D	REQUIRED
CONN	CONNECT	RWC	RAIN WATER CONDUCTOR
DN	DOWN	SAN	SANITARY
DWC	DRAIN WATER CONNECTION	SH	SHOWER
EC	ELEVATION	TYP	TYPICAL
ELEV	ELEVATION	UG	UNDERGROUND
EQUIP	EQUIPMENT	UR	URINAL
EXIST	EXISTING	V	VENT
EXP	EXPANSION	VTR	VENT THRU ROOF
		WC	WATER CLOSET
		WCO	WALL CLEAN OUT
		WOB	WASHER SUPPLY BOX



SCHEMATIC DIAGRAM - SANITARY
NO SCALE

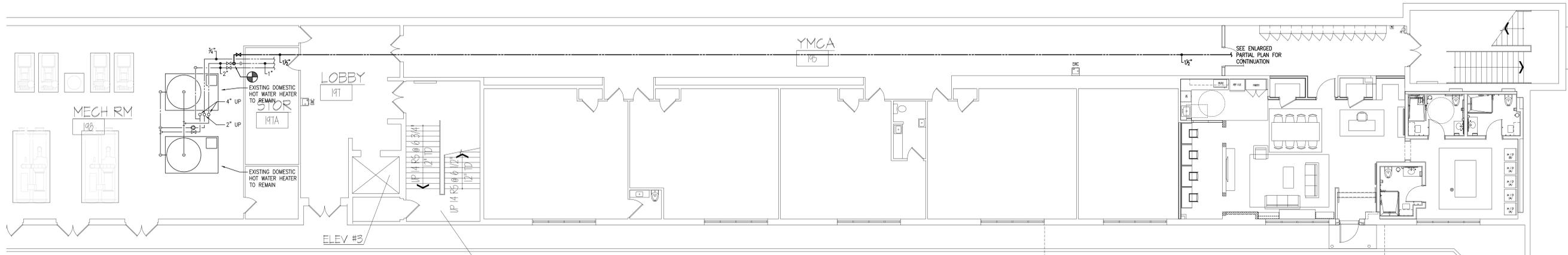
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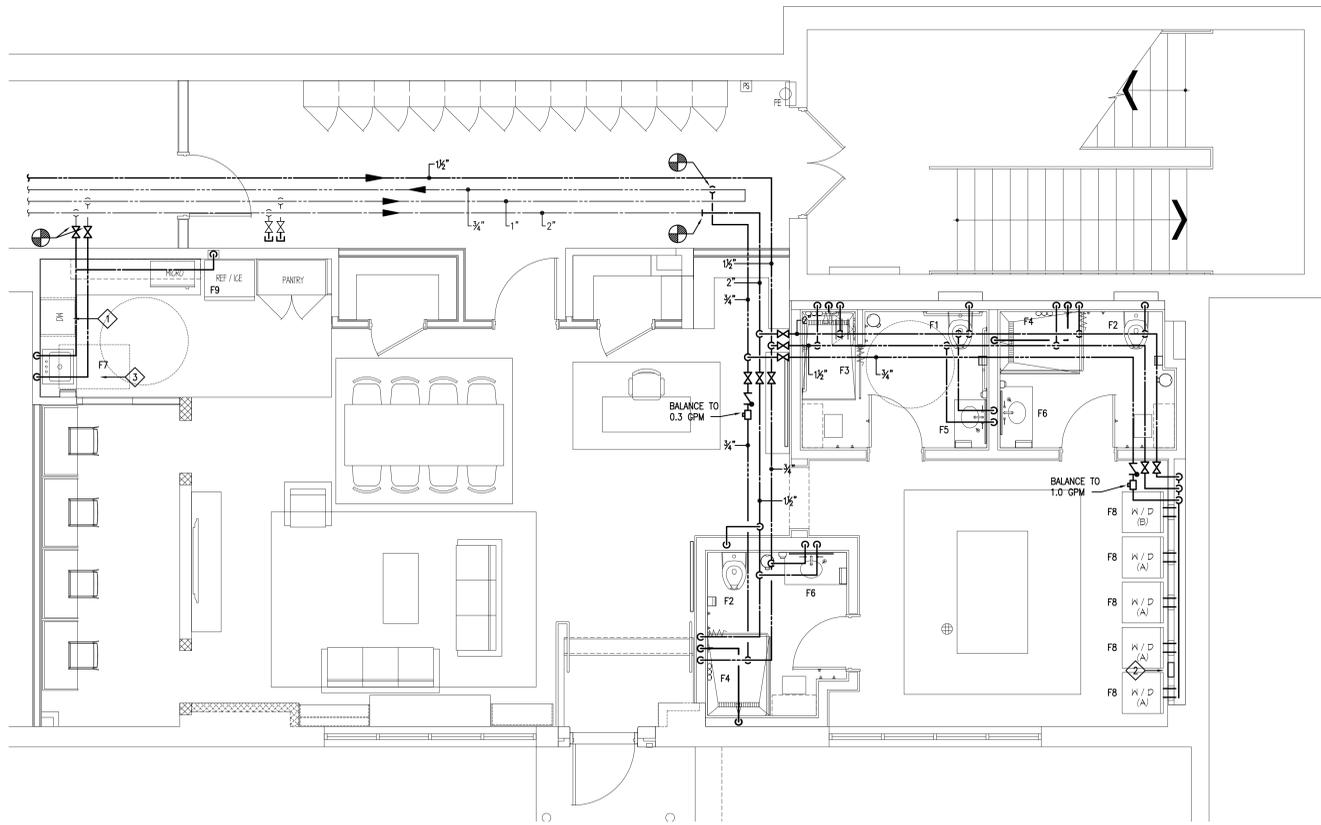
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PLUMBING DEMOLITION AND SANITARY PLANS

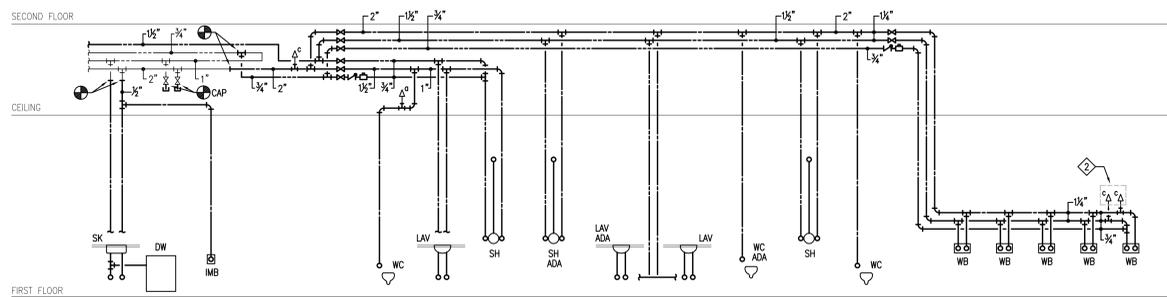
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PLUMBING PLAN
SCALE: 1/8" = 1'-0"



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



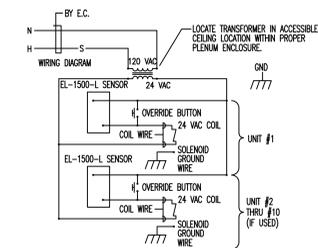
SCHEMATIC DIAGRAM - DOMESTIC WATER
NO SCALE

PLUMBING FIXTURE SCHEDULE									
SYMBOL	FIXTURE	C.W.	H.W.	SAN.	VENT	TRAP	MOUNTING	RIM HEIGHT	REMARKS
F1	WATER CLOSET - (ADA)	1"	-	4"	2"	-	WALL	REFER TO ARCH. DWGS.	SENSOR OPERATED, HARDWIRED
F2	WATER CLOSET	1"	-	4"	2"	-	WALL	REFER TO ARCH. DWGS.	SENSOR OPERATED, HARDWIRED
F3	SHOWER - (ADA)	1/2"	1/2"	2"	1-1/2"	2"	-	REFER TO ARCH. DWGS.	THERMOSTATIC/PRESSURE VALVE, DIVERTER VALVE, SLIDE BR, 60" HOSE, 24" CHANNEL DRAIN
F4	SHOWER	1/2"	1/2"	2"	1-1/2"	2"	-	REFER TO ARCH. DWGS.	THERMOSTATIC/PRESSURE VALVE, 24" CHANNEL DRAIN
F5	LAVATORY - (ADA)	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4" X 1-1/2"	UNDER MOUNT	REFER TO ARCH. DWGS.	MANUAL FAUCET WITH WRIST BLADE HANDLES
F6	LAVATORY	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4" X 1-1/2"	UNDER MOUNT	REFER TO ARCH. DWGS.	MANUAL FAUCET WITH WRIST BLADE HANDLES
F7	KITCHEN SINK	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4" X 1-1/2"	UNDER MOUNT	REFER TO ARCH. DWGS.	MANUAL FAUCET WITH SIDE SPRAY
F8	WASHER BOX	3/4"	3/4"	2"	-	2" X 2"	WALL	VERIFY WITH EQUIPMENT	-
F9	ICE MAKER BOX	1/2"	-	-	-	-	WALL	42"	-

NOTE: ALL SANITARY PIPING LOCATED BELOW GRADE SHALL BE MINIMUM 2" DIAMETER.

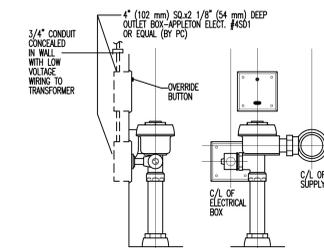
KEYED DRAWING NOTES:

- ◇ EXTEND SUPPLY AND DRAIN PIPING CONNECTION TO DISHWASHER.
- ◇ PROVIDE WALL ACCESS PANEL AT WATER HAMMER ARRESTORS. COORDINATE ACCESS PANEL LOCATION WITH GENERAL CONTRACTOR.
- ◇ PLUMBING CONTRACTOR (P.C.) TO FURNISH SINK, TO BE INSTALLED BY GENERAL CONTRACTOR. P.C. TO PROVIDE ASSOCIATED DRAIN AND PIPING CONNECTIONS. G.C. TO PROVIDE FAUCET HOLES IN COUNTERTOP. COORDINATE SINK FAUCET HOLE REQUIREMENTS WITH GENERAL CONTRACTOR.



ONE TRANSFORMER SERVES UP TO TEN (10) WATER CLOSET/URNAL FLUSHMETERS. PROVIDE NUMBER OF TRANSFORMERS REQUIRED.

THIS DETAIL IS BASED ON SLOAN VALVE COMPANY. OTHER MANUFACTURERS MAY VARY. VERIFY ALL REQUIREMENTS WITH MANUFACTURER BEFORE ROUGH-IN.



* POSITION OF SENSOR BOX CAN BE RAISED OR LOWERED 1" (25 mm) IF IN CONFLICT WITH HANDICAP GRAB BARS.

1. PROVIDE A TRANSFORMER FOR EACH WATER CLOSET LOCATED IN ALL TOILET ROOMS WHERE ONLY ONE WATER CLOSET IS PROVIDED.
2. IN TOILET ROOMS WITH MORE THAN ONE WATER CLOSET PROVIDE THE REQUIRED OF TRANSFORMERS. REFER TO PLANS FOR THIS INFORMATION.

ALL WORK INDICATED ABOVE SHALL BE PROVIDED BY P.C. EXCLUDING 120V POWER CONNECTION TO TRANSFORMER.

SENSOR OPERATED WATER CLOSET FLUSH METER DETAIL
SCALE: NONE

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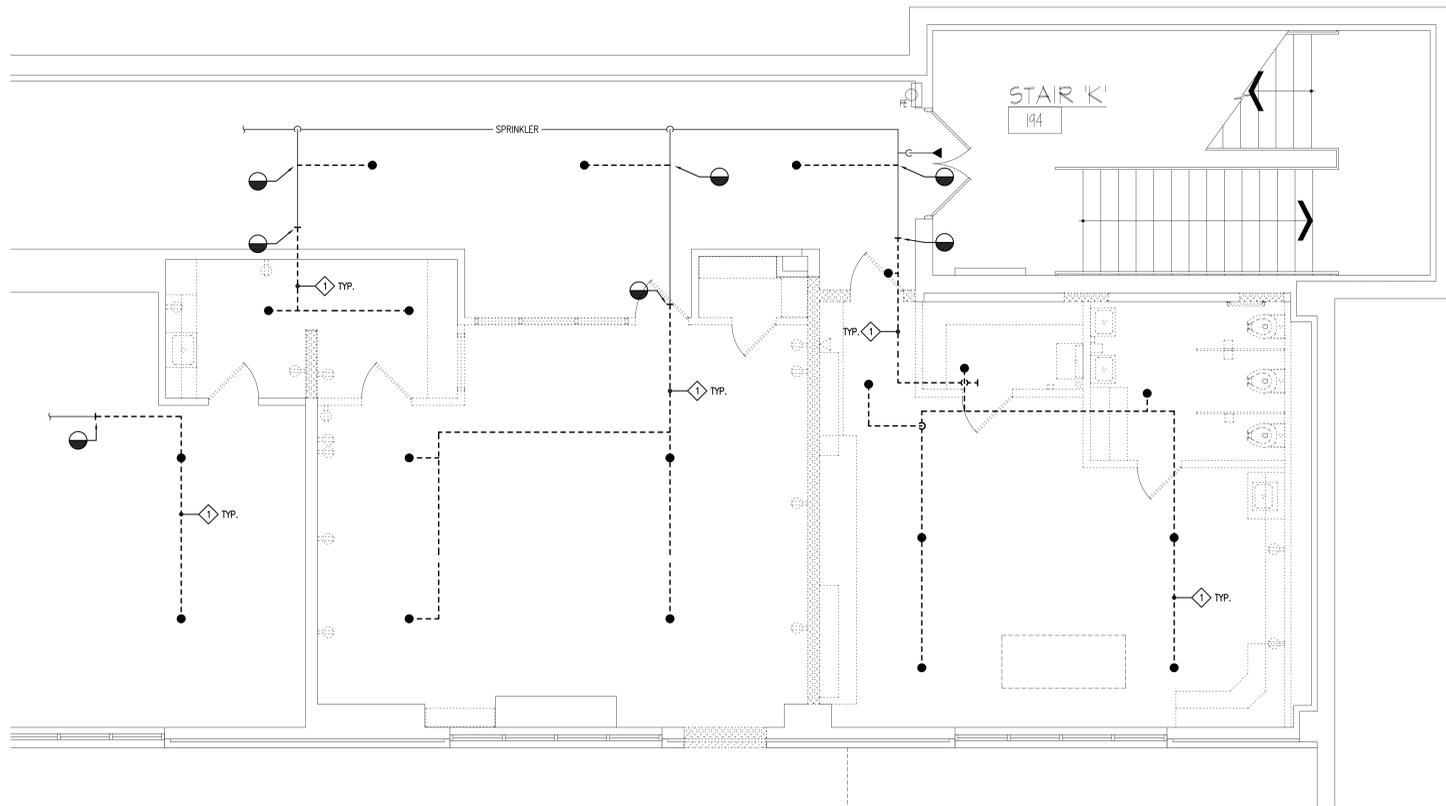
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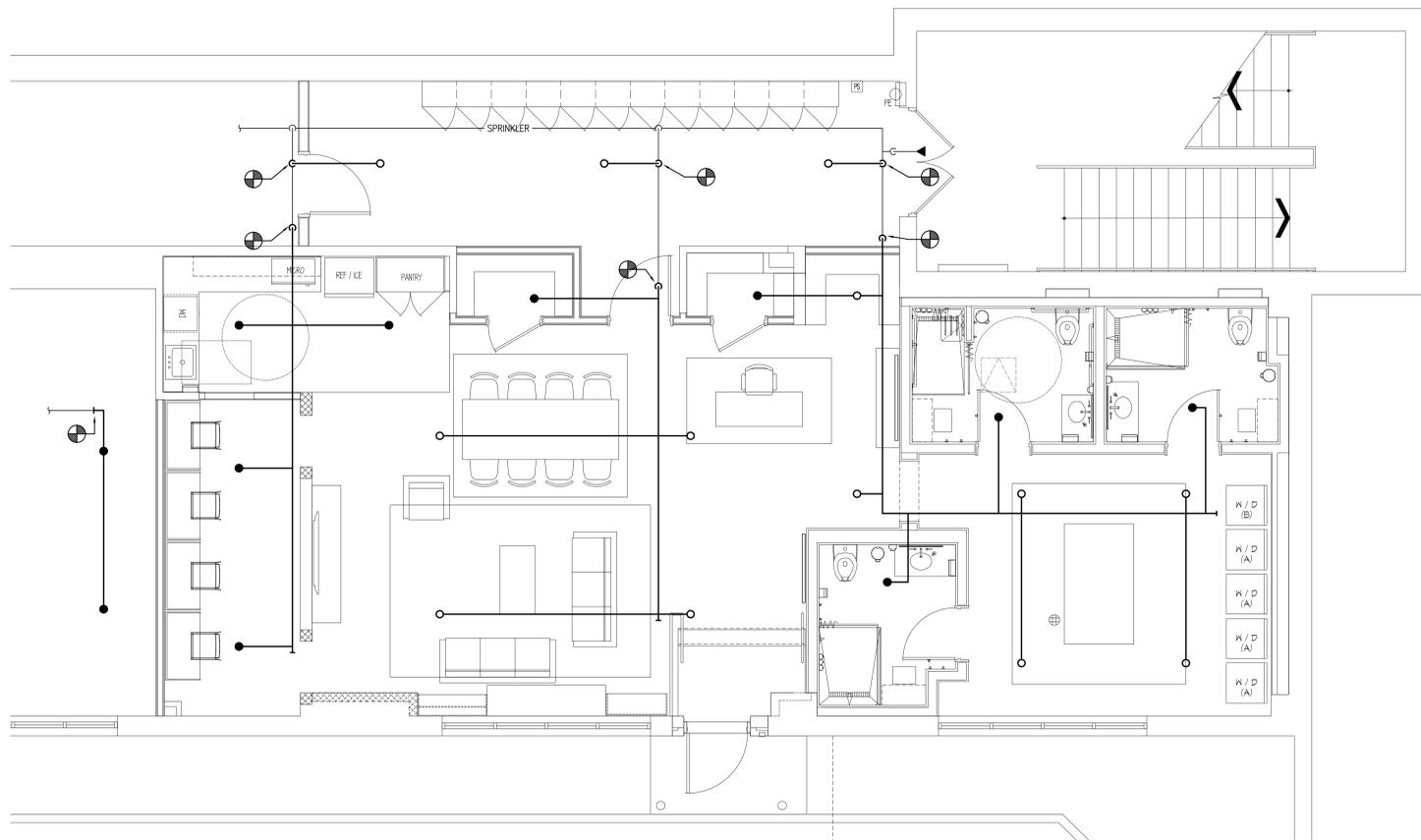
PLUMBING DOMESTIC WATER PLANS, SCHEDULES & DETAILS

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FIRE PROTECTION DEMOLITION PLAN

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



FIRE PROTECTION PLAN

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

KEYED DRAWING NOTES:

- ◇ REMOVE EXISTING SPRINKLER PIPING IN ITS ENTIRETY INCLUDING ALL HEADS, FITTINGS, HANGERS, SUPPORTS AND ASSOCIATED ACCESSORIES BACK TO POINT(S) INDICATED. PATCH WALL/FLOOR PENETRATIONS TO MATCH EXISTING MATERIALS, RATINGS AND FINISHES.

THE DEMOLITION WORK INDICATED IS INTENDED TO ASSIST THE CONTRACTOR AND GIVE GENERAL INFORMATION. THE CONTRACTOR SHALL BE REQUIRED TO VISIT THE PROJECT SITE PRIOR TO BIDDING TO FULLY ACQUAINT HIMSELF WITH THE EXTENT OF ALL DEMOLITION WORK WHICH IS NECESSARY TO COMPLETE THE ALTERATIONS AND NEW CONSTRUCTION AS DESCRIBED IN THE CONTRACT DOCUMENTS. ALL DEMOLITION WORK REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE WHETHER INDICATED ON THE DRAWING OR NOT. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY CLAIMS FOR ADDITIONAL COMPENSATION RELATED TO REQUIRED DEMOLITION.

GENERAL PROJECT NOTES:

- CONTRACTOR TO PROVIDE ALL CUTTING & PATCHING REQUIRED FOR THEIR WORK, UNLESS OTHERWISE INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO PROVIDE ALL NECESSARY OFFSETS TO FACILITATE INSTALLATION AND INCLUDE DRAIN VALVES AND PIPING AT ALL LOW POINTS IN THE SYSTEM AS REQUIRED.
- CONTRACTOR IS REQUIRED TO COORDINATE ALL SPRINKLER WORK WITH THE WORK OF ALL OTHER TRADES TO ENSURE CORRECT AND QUALITY INSTALLATIONS.
- PROVIDE ALL NECESSARY HANGERS AND SUPPORTS TO FACILITATE INSTALLATION OF SPRINKLER SYSTEM. COORDINATE LOCATIONS OF HANGERS AND SUPPORTS WITH ALL TRADES, ARCHITECT AND OWNER PRIOR TO INSTALLING.
- PROVIDE SPRINKLER HEAD GUARDS ON ALL EXPOSED AND UPRIGHT SPRINKLERS IN MECHANICAL, STORAGE AND CRAWLS SPACE LOCATIONS.
- WHERE CONCEALED SPRINKLER HEAD WITH COVER PLATE IS INDICATED, CONTRACTOR TO COORDINATE DISC COLOR WITH CEILING COLOR AND APPROVED BY THE ARCHITECT.
- PROVIDE ALL SUPPORTS NECESSARY TO FACILITATE INSTALLATION OF ALL SPRINKLER PIPING AND ASSOCIATED COMPONENTS.
- PROVIDE SPRINKLER IN ACCORDANCE WITH NFPA 13.
- FIRE PROTECTION DRAWINGS INDICATE A SCHEMATIC LAYOUT OF THE PROJECT REQUIREMENTS INCLUDING GENERAL SPRINKLER PIPE ROUTING, SPRINKLER HEAD TYPES AND LOCATIONS. CONTRACTOR IS TO VERIFY AND PROVIDE ALL NECESSARY QUANTITIES OF SPRINKLER HEADS REQUIRED TO PROVIDE COVERAGE IN ACCORDANCE TO THE HYDRAULIC CALCULATIONS AND CODE COMPLIANCE REQUIREMENTS.
- SPRINKLER CONTRACTOR TO COORDINATE AND PROVIDE SPRINKLERS AS REQUIRED FOR FULL BUILDING COVERAGE.
- CONTRACTOR IS TO COORDINATE ROUTING AND INSTALLATION WITH THE OWNER AND ARCHITECT PRIOR TO THE START OF WORK.
- AT GYPSUM WALL BOARD OR ACOUSTICAL PANEL CEILING CONTRACTOR IS TO PROVIDE CONCEALED SPRINKLER HEAD WITH COVER PLATE. REFER TO ARCHITECTURAL DRAWING CEILING TYPES.
- CONTRACTOR TO PROVIDE ALL CUTTING & PATCHING REQUIRED FOR THEIR WORK, UNLESS OTHERWISE INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS.

FIRE PROTECTION LEGEND

(ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT)

- PENDANT SPRINKLER
- UPRIGHT SPRINKLER
- ▼ SIDEWALL SPRINKLER
- EXISTING CONDITIONS
- NEW WORK
- - - DEMOLITION
- ◇ KEYED DRAWING NOTE
- ⊕ CONNECT TO EXISTING
- EXTENT OF DEMOLITION

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FIRE PROTECTION PLANS

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