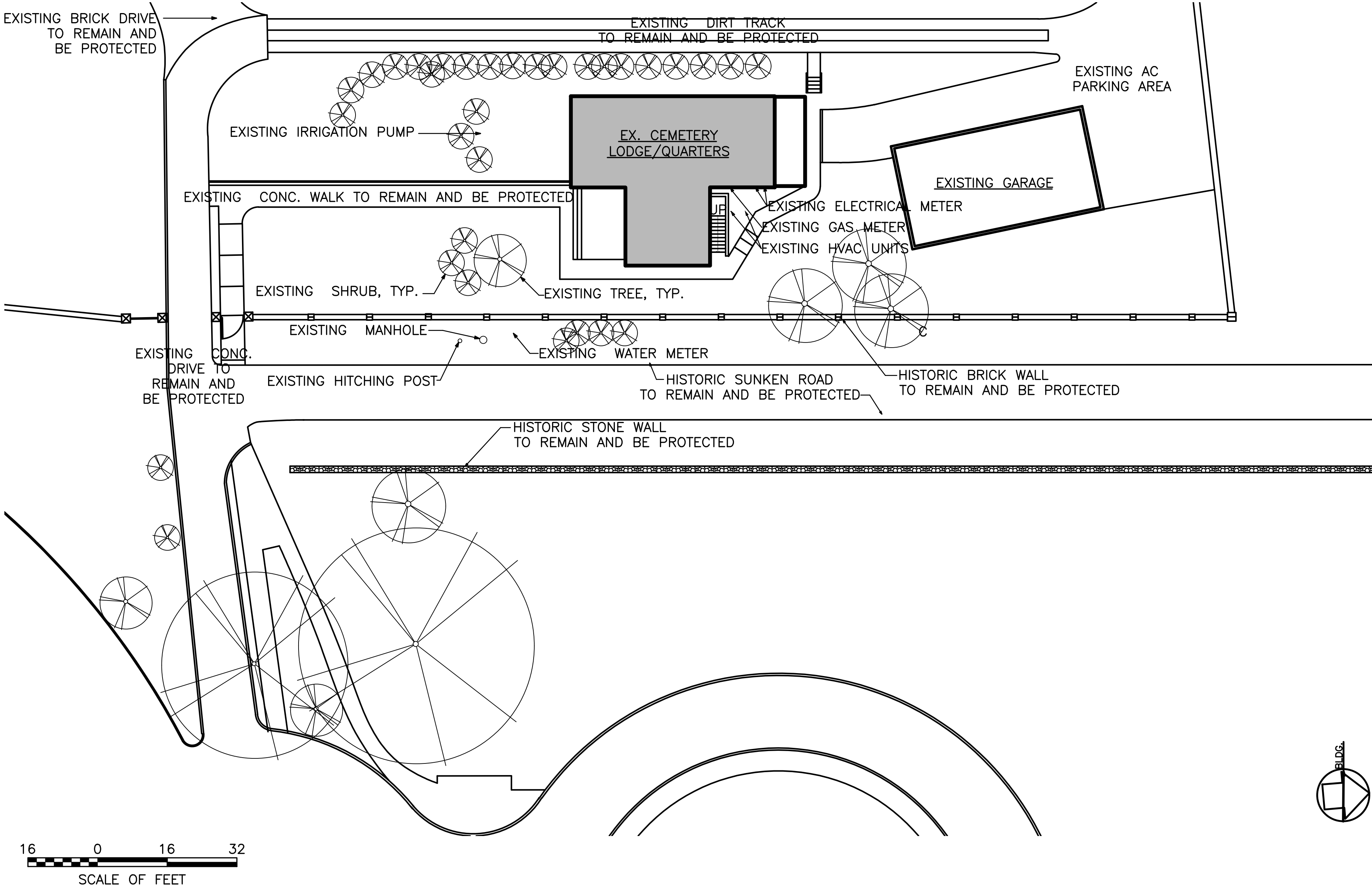
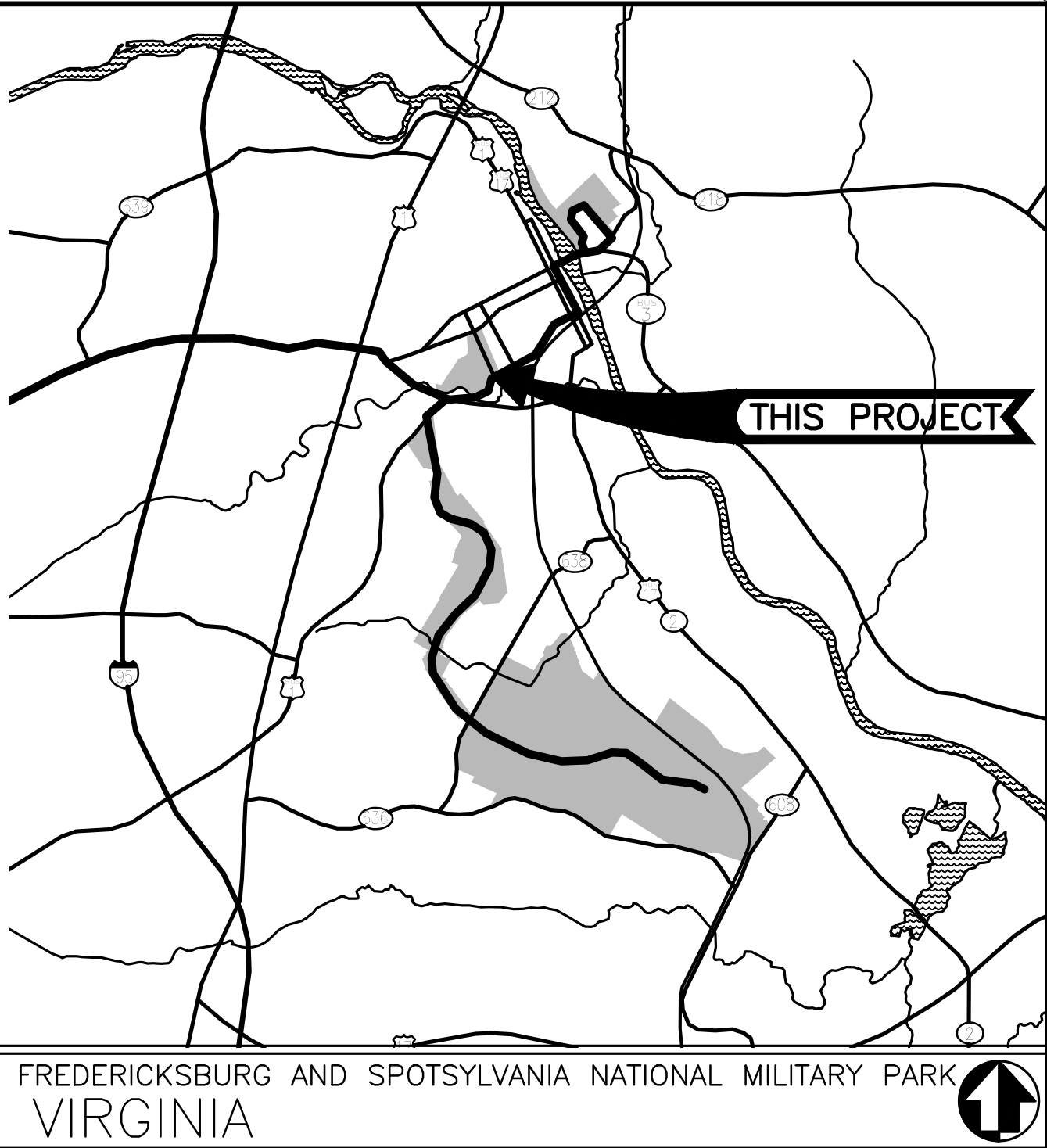


FREDERICKSBURG AND SPOTSYLVANIA NATIONAL MILITARY PARK

FIRE PROTECTION AT THE CEMETERY LODGE QUARTERS #00001

FINAL CONSTRUCTION DOCUMENTS

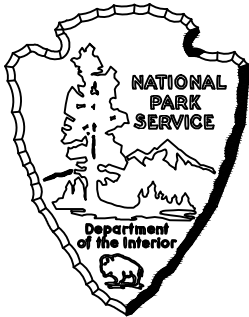


DRAWING INDEX				
SHEET NUMBER	SUB-SHEET NUMBER	SHEET NAME	75% CDs	100% CDs
GENERAL				
1	G1	COVER	X	X
CIVIL				
2	C0	CIVIL GENERAL NOTES, LEGEND, ABBREVIATIONS, & SHEET INDEX	X	X
3	C1	CONSTRUCTION ACCESS AND STAGING PLAN	X	X
4	C2	EXISTING CONDITIONS PLAN	X	X
5	C3	DEMOLITION PLAN	X	X
6	C4	SITE PLAN	X	X
ARCHITECTURE				
7	A0	SYMBOLS, NOTES, & ABBREVIATIONS	X	X
8	A1	BASEMENT FLOOR PLAN	X	X
9	A2	FIRST & SECOND FLOOR PLANS	X	X
10	A3	FIRST & SECOND FLOOR REFLECTED CEILING PLANS	X	X
11	A4	DETAILS	X	X
FIRE PROTECTION				
12	F1	FIRE PROTECTION GENERAL NOTES	X	X
13	F2	FIRE PROTECTION SPRINKLER LAYOUT	X	X
14	F3	FIRE PROTECTION SPRINKLER DETAILS	X	X
15	F4	FIRE ALARM GENERAL NOTES	X	X
16	F5	FIRE ALARM DEMO PLANS		X
17	F6	FIRE ALARM NEW WORK PLANS	X	X
18	F7	FIRE ALARM RISER DIAGRAM	X	X

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PMIS NO. 162500B

EYP Inc.	Mark	Sheet	REVISION	Date	Initial	QUALITY DESIGN CERTIFICATION	
1000 POTOMAC STREET NW, WASHINGTON, DC 20007						<input type="checkbox"/> Prepared in Accordance with Preliminary Design (Title I)	Drawing No.
						OR	
						<input type="checkbox"/> Variance from Preliminary Design (Title I)	Approved by Superintendent on
						OR	Date
						<input type="checkbox"/> Construction Drawing Not Preceded by Preliminary Design (Title I)	
				Project Manager			Date



FINAL CONSTRUCTION DOCUMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE
DENVER SERVICE CENTER

TITLE OF PROJECT
FIRE PROTECTION AT THE CEMETERY LODGE

LOCATION WITHIN PARK
CEMETERY LODGE QUARTERS #00001

NAME OF PARK
FREDERICKSBURG AND SPOTSYLVANIA NATIONAL MILITARY PARK

REGION
NORTHEAST

COUNTY
SPOTSYLVANIA

STATE
VIRGINIA

DRAWING NO.
XXX
XXXXX

PKG. NO.
1

SHEET
OF 18

INDEX OF CIVIL DRAWINGS

SHT NO.	SUB SHEET	DESCRIPTION
CIVIL		
2	C0	CIVIL GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX
3	C1	CONSTRUCTION ACCESS AND STAGING PLAN
4	C2	EXISTING CONDITIONS PLAN
5	C3	DEMOLITION PLAN
6	C4	SITE PLAN

CONTRACTOR NOTES

- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH VIRGINIA EROSION AND SEDIMENTATION REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL AREAS NOT WITHIN THE LIMITS OF DISTURBANCE.
- CONTRACTOR SHALL REPLACE AND/OR REPAIR ANY AREAS DAMAGED TO MATCH EXISTING OR BETTER CONDITION.
- CONTRACTOR SHALL HAVE PREPARED A TOPOGRAPHICAL SURVEY OF THE SITE WORK AREA AS NEEDED TO PERFORM SITE WORK.
- CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER LICENSED IN VIRGINIA FOR THE METHOD OF INSTALLATION AT RETAINING WALL, SHEETING, SHORING, AND DEWATERING.
- CONTRACTOR SHALL PREPARE A LANDSCAPE RESTORATION PLAN FOR ALL TREES, SHRUBS, AND LAWN REMOVED AND FOR PAVED AREAS DISTURBED AND/OR DAMAGED. LANDSCAPE RESTORATION PLAN SHALL BE REPLACE IN KIND FOR ALL PLANTS AND PAVEMENTS.
- CONTRACTOR SHALL RETAIN AND SEPARATE OUT AGGREGATE OF SUNKEN ROAD FOR REPAIR. SUBMIT SAMPLE OF ANY ADDITIONAL AGGREGATE NEED TO RESTORE SUNKEN ROAD.
- CONTRACTOR SHALL HAVE A PROFESSIONAL ENGINEER LICENSED IN VIRGINIA TO PREPARE SIGN & SEALED PLANS FOR PROTECTION OF THE HISTORIC FEATURES ON SITE. THIS WILL INCLUDE THE STONE WALL, BRICK RETAINING WALL AND FOUNDATION, SUNKEN ROAD AND ANY OTHER HISTORIC ITEMS NEAR AND AROUND THE PROPOSED SITE WORK.

LEGEND

				L. O. D.	LIMITS OF DISTURBANCE
				S	EX. SANITARY SEWER LINE
				W	EX. WATER LINE
				C	EX. COMMUNICATIONS LINE
				G	EX. NATURAL GAS LINE
				E	EX. UNDERGROUND ELECTRICAL LINE
					EX. TREE
					EX. CONCRETE COLUMN
					EX. HITCHING POST
					EX. BRICK WALL
					EX. STONE WALL

CONSTRUCTION AND MATERIAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS, AND FEDERAL, STATE AND LOCAL STANDARDS.
- THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. PERMITS. LICENSES AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE EXECUTION AND COMPLETION OF WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION, UNLESS DIRECTED OTHERWISE BY THE GOVERNMENT. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO PERFORM THE WORK AND FOR ASSOCIATED FEES.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE SAFETY OF THE OF ITS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL WALKWAYS AND FOR KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.
- ~~ALL BUILDING ACCESS WALKWAYS AND OTHER CIRCULATION FEATURES SHALL REMAIN OPEN TO THE BUILDING USERS AT ALL TIMES UNLESS APPROVED BY THE GOVERNMENT. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION.~~ CONTRACTOR SHALL PROVIDE A PEDESTRIAN TRAFFIC CONTROL PLAN TO THE GOVERNMENT FOR REVIEW AND APPROVAL.
- CONTRACTOR SHALL MAINTAIN ALL UTILITIES ADJACENT TO OCCUPIED BUILDINGS OR PROPERTIES UNLESS WRITTEN AUTHORIZATION IS PROVIDED BY THE GOVERNMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE GOVERNMENT.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL FIELD VERIFY ELEVATIONS, PIPE SIZES, AND MATERIAL TYPES PRIOR TO CONSTRUCTION AND SHALL BRING ANY DISCREPANCIES TO THE GOVERNMENT A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES A SET OF RECORD DRAWINGS AND SPECIFICATIONS DURING THE PROGRESSION OF THE PROJECT. RECORD DRAWINGS AND SPECIFICATIONS SHALL BE UPDATED ON A DAILY BASIS AND SHALL BE SUBMITTED TO THE GOVERNMENT AT THE COMPLETION OF THE CONSTRUCTION. RECORD DRAWINGS SHALL INCLUDE THE LOCATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES, ENCOUNTERED AND/OR RELOCATED. THE CONTRACTOR SHALL PROVIDE A HARD COPY AND ELECTRONIC COPY OF ALL AS-BUILT DRAWINGS. ELECTRONIC COPIES ARE REQUIRED IN CAD FORMAT.
- CONTRACTOR SHALL PREPARE AN UNDER-AN-ACRE POLLUTION PREVENTION PLAN PER NATIONAL PARK SERVICE STANDARDS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES AS APPLICABLE.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OTHER CONTRACTORS AND CONSTRUCTION ACTIVITIES AT THE PARK FOR THE DURATION OF THE CONTRACT.
- MATERIAL SHALL BE NEW. THE USE OF MANUFACTURER’S NAMES, MODELS, AND NUMBERS ARE INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS SHALL REQUIRE WRITTEN APPROVAL FROM THE GOVERNMENT .
- NO MANUFACTURER AND/OR INSTALLER IDENTIFYING INFORMATION SHALL APPEAR ON THE FINISHED INSTALLATION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PARK BUILDING ENTRANCES, WALKWAYS, PEDESTRIAN PATHS, SERVICES ENTRANCES, ETC. THROUGHOUT CONSTRUCTION AS DIRECTED BY THE GOVERNMENT.
- SAFETY FENCES AND OTHER TEMPORARY STRUCTURES INSTALLED AT THE SITE MUST BE ABLE TO WITHSTAND ADVERSE WEATHER CONDITIONS.
- PROPER SIGNAGE AND BARRIERS MUST BE MAINTAINED AT THE CONTRACTOR’S EXPENSE TO MAINTAIN EMERGENCY EGRESS AND KEEP PEDESTRIAN TRAFFIC CLEAR FROM CONSTRUCTION ACTIVITIES. SUBMIT SIGNAGE AND TRAFFIC MAINTENANCE PLAN FOR THE GOVERNMENT’S APPROVAL PRIOR TO STARTING WORK AT THE SITE. THE PLAN MUST ADDRESS ALL PHASES OF CONSTRUCTION. EMERGENCY EGRESS SHALL BE SUITABLE FOR PERSONS WITH DISABILITIES.

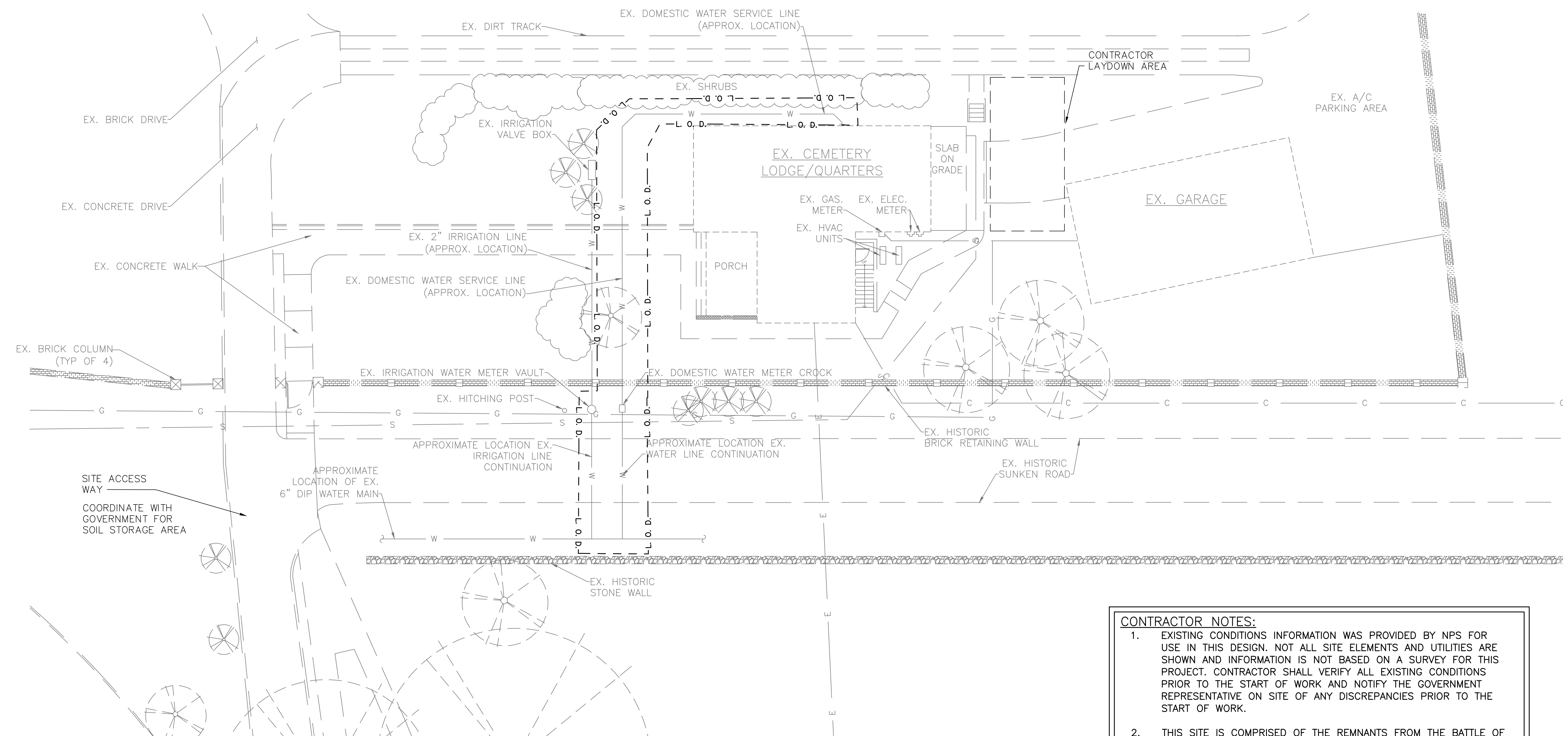
- USE OF VEHICULAR AND CONSTRUCTION EQUIPMENT SHALL BE IN ACCORDANCE WITH PARK RULES. ACCESS TO PROJECT SITE SHALL BE LIMITED TO MINIMIZE POTENTIAL FOR DAMAGE.
- DO NOT OBSTRUCT EXISTING PARK ENTRANCES, ATTRACTIONS, RIGHTS OF WAY, ETC.
- CONSTRUCTION DEBRIS MUST BE DISPOSED OF OFF SITE AT AN APPROVED FACILITY IN ACCORDANCE WITH THE LOCAL, STATE AND FEDERAL REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING UTILITIES AND SITE ELEMENTS AND FOR DETERMINING DEMOLITION REQUIREMENTS AND/OR RELOCATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR DEMOLISHING/REMOVING AND REINSTALLING TEMPORARY FACILITIES (I.E. FENCING, BARRIERS, UTILITIES) AS DIRECTED BY THE GOVERNMENT AND AS REQUIRED TO PERFORM THE WORK.
- SITE AREAS WHICH ARE DISTURBED AS A RESULT OF THE CONTRACTOR’S ACTIVITIES SHALL BE RETURNED TO THE EXISTING CONDITIONS. AREAS WILL BE CONSIDERED COMPLETELY RESTORED UPON THE GOVERNMENT’S APPROVAL.
- CONTRACTOR SHALL TAKE MEASURES NECESSARY TO CONTROL NOISE IN ACCORDANCE WITH PARK RULES AND AS DIRECTED BY THE GOVERNMENT.
- CONTRACTOR SHALL MAINTAIN CONTINUITY OF ELECTRICAL POWER TO MINIMIZE IMPACT ON BUILDING USERS AND/OR SYSTEMS.

ARCHEOLOGICAL AND HISTORICAL RESOURCE NOTES

- ~~THE PROJECT SITE IS HISTORICAL AND HISTORICAL REMAINS ARE PRESENT THROUGHOUT THE SITE. IT IS IMPERATIVE THE CONTRACTOR’S WORK REMAIN WITHIN THE LIMITS OF THE PROJECT AND NOT MIGRATE OUTSIDE THE SET BOUNDARY.~~
- THE WORK REQUIRED BY THIS PROJECT MAY UNCOVER ARCHEOLOGICAL RESOURCES. THESE RESOURCES MUST BE PROTECTED.
- NPS WILL PROVIDE AN ARCHEOLOGICAL MONITOR WHO WILL OBSERVE ALL GROUND-DISTURBING SITE WORK FROM A SAFE LOCATION MUTUALLY AGREED ON BY CONTRACTOR AND MONITOR. NPS MUST BE NOTIFIED OF ALL PLANNED EXCAVATIONS A MINIMUM OF 72 HOURS IN ADVANCE.
- IF ARCHEOLOGICAL RESOURCES ARE ENCOUNTERED DURING WORK, CONTRACTOR SHALL STOP WORK AT THAT LOCATION IMMEDIATELY AND NOTIFY THE GOVERNMENT.
- CONTRACTOR SHOULD PLAN FOR RELOCATING WORK IN THE EVENT OF TEMPORARY WORK STOPPAGES AT ARCHEOLOGICALLY SENSITIVE AREAS WHEN DISCOVERED. WORK STOPPAGE-THE CONTRACTOR SHALL PLAN, SCHEDULE, AND EXECUTE THE WORK TO PREVENT STOPPAGES AT ONE AREA FROM STOPPING ALL WORK AT THE CONSTRUCTION SITE.
- IF ARCHEOLOGICAL MONITOR DISCOVERS RESOURCES, IMMEDIATE RELOCATION OF THE WORK TO A NON-SENSITIVE AREA MAY BE REQUIRED TO ALLOW MONITOR TO IDENTIFY AND DOCUMENT RESOURCES AND, IF NECESSARY, DEVELOP AN APPROPRIATE MITIGATION PLAN. WHILE ARCHEOLOGICAL MONITOR IS DOCUMENTING RESOURCES IN SENSITIVE AREAS,
- IF RESOURCES ARE DISCOVERED WHILE ARCHEOLOGICAL MONITOR IS ABSENT, STOP WORK IMMEDIATELY AND REPORT THE DISCOVERY TO THE GOVERNMENT.
- HISTORIC RESOURCES TO BE PROTECTED PER SPECIFICATIONS. HISTORIC LANDSCAPE FEATURES TO BE PROTECTED INCLUDE THE LAWNS, TREES, ROADWAYS AND WALLS.

ABBREVIATIONS	
AC	ASPHALT CONCRETE
APPROX.	APPROXIMATE
BC	BACK OF CURB
BLDG	BUILDING
BOT.	BOTTOM
CL	CENTERLINE
CLR.	CLEAR
CONC.	CONCRETE
COORD.	COORDINATE
CO	CLEAN OUT
DET.	DETAIL
DIA.,, D, ø	DIAMETER
DIM.	DIMENSION
DIP	DUCTILE IRON PIPE
DSC	DENVER SERVICE CENTER
DWG	DRAWING
E	EASTING
EA.	EACH
ELEV.	ELEVATION
ESC	EROSION AND SEDIMENT CONTROL
EXIST./EX.	EXISTING
F	DIESEL FUEL
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FP	FIRE PROTECTION
FT.	FEET
HB	HORIZONTAL BEND
HORIZ.	HORIZONTAL
IN.	INCH
G	GUTTER/BASELINE
GB	GRADE BREAK
GV	GATE VALVE
HC	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE
I.D.	INSIDE DIAMETER
INV.	INVERT
L	LENGTH/LITER
LF	LINEAR FEET
L/S	LITERS PER SECOND
LT.	LEFT
m	METERS
MAX.	MAXIMUM
MH	MANHOLE
MIN.	MINIMUM
mm	MILLIMETERS
N	NORTHING
NIC	NOT IN CONTRACT
NOI	NOTICE OF INTENT
NPS	NATIONAL PARK SERVICE
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFF.	OFFSET
OH	OVERHEAD
PC	POINT OF CURVATURE
PERF	PERFORATED
POC	POINT OF CONNECTION
PCC	POINT OF COMPOUND CURVATURE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
SD	STORM DRAIN
SDR	STANDARD DIMENSION RATIO
SPEC	SPECIFICATION
SS	SANITARY SEWER
STAT	STATION
PERF.	STANDARD
S/W	SIDEWALK
TB	THRUST BLOCK
TC	TOP OF CURB
TD	TRENCH DRAIN
TEMP.	TEMPORARY
TYP	TYPICAL
TW	TOP OF WALL
UG	UNDERGROUND
U.N.O.A.	UNLESS NOTED OTHERWISE
W	WATER
W/	WITH

EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: SB	SUB SHEET NO. C0	TITLE OF SHEET CIVIL GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA		DRAWING NO. 325 80,060
	SB				PKG. NO. XXX
	TECH. REVIEW: LS				
	DATE: 08/24/2016				
				SHEET 2	OF 18



LEGEND

---	- - - - -	- L. O. D. -	---	---	LIMITS OF DISTURBANCE
---	---	S	---	---	EX. SANITARY SEWER LINE
---	---	W	---	---	EX. WATER LINE
---	---	C	---	---	EX. COMMUNICATIONS LINE
---	---	G	---	---	EX. NATURAL GAS LINE
---	---	E	---	---	EX. UNDERGROUND ELECTRICAL LINE
					EX. TREE
					EX. CONCRETE COLUMN
					EX. HITCHING POST
					EX. BRICK WALL
					EX. STONE WALL

1 ACCESS AND STAGING PLAN

C1

SCALE: 1"=10'

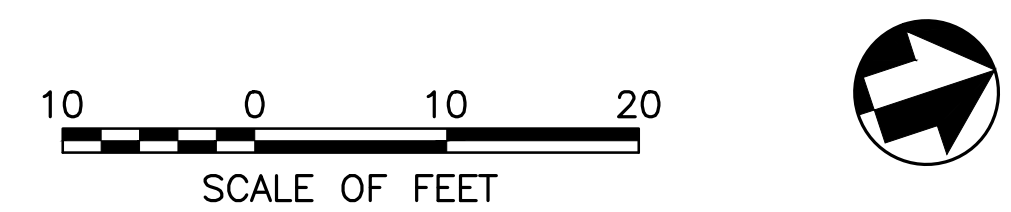
- CONTRACTOR NOTES:
1.

EXISTING CONDITIONS INFORMATION WAS PROVIDED BY NPS FOR USE IN THIS DESIGN. NOT ALL SITE ELEMENTS AND UTILITIES ARE SHOWN AND INFORMATION IS NOT BASED ON A SURVEY FOR THIS PROJECT. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK AND NOTIFY THE GOVERNMENT REPRESENTATIVE ON SITE OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
2.

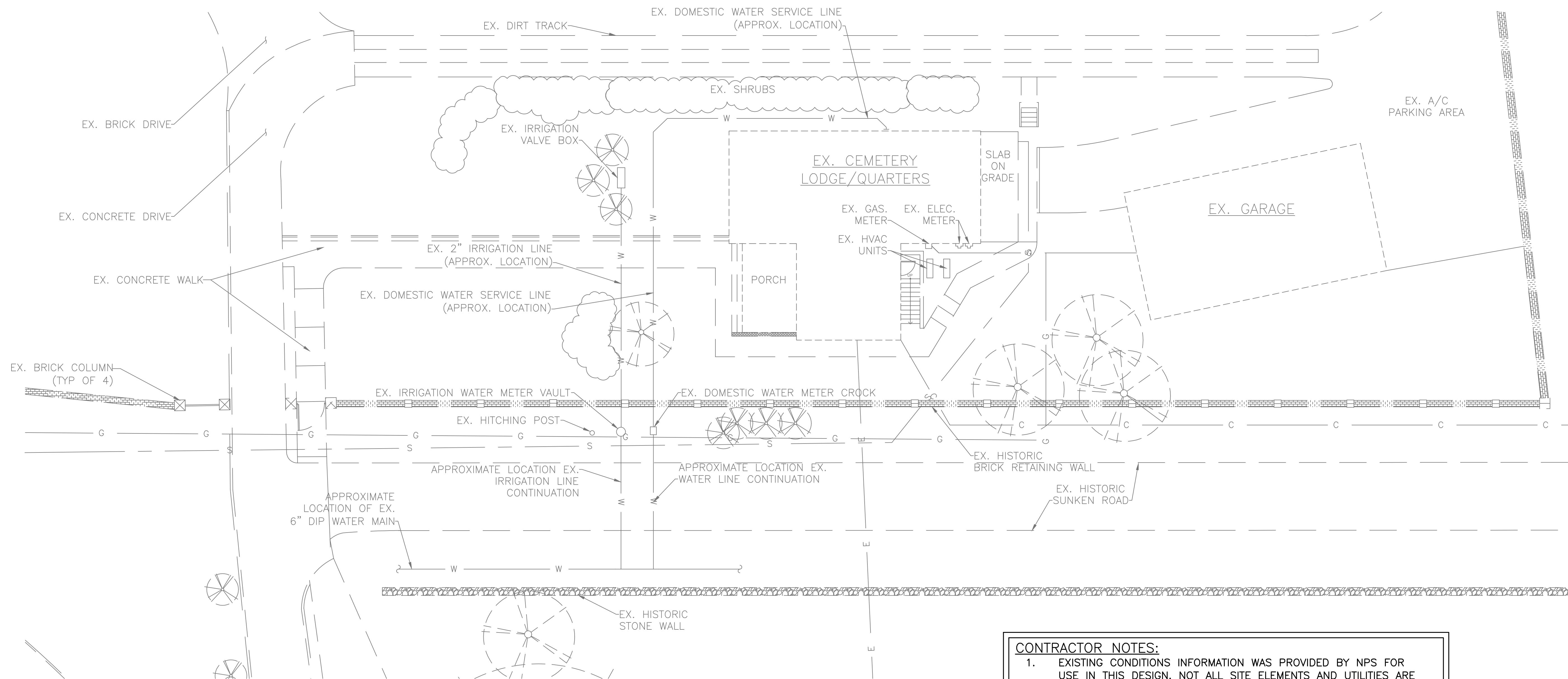
THIS SITE IS COMPRISED OF THE REMNANTS FROM THE BATTLE OF FREDERICKSBURG, AND EXTREME CARE SHALL BE TAKEN WHEN ON SITE.
3.

THE ENTIRE CEMETERY AREA HAS ARCHEOLOGICAL REMNANTS PRESENT. THE CONTRACTOR MUST USE CAUTION WHEN MOVING ABOUT THE SITE BOTH ON FOOT AND WITH MACHINERY
4.

THE CONTRACTOR SHALL KEEP EMPLOYEES, MATERIALS, EQUIPMENT WITHIN THE LIMITS OF WORK/DISTURBANCE AT ALL TIMES.








EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED:	SUB SHEET NO. C1	TITLE OF SHEET ACCESS AND STAGING PLAN	DRAWING NO.	
	SB			325	
	ADD			80,060	
	SB				
	TECH. REVIEW:			PKG. NO.	SHEET
	LS				
DATE:	FREDERICKSBURG AND SPOTSYLVANIA NMP				
08/24/2016	FREDERICKSBURG, VA				
	XXX	3	OF	18	



1 EXISTING CONDITIONS PLAN
C1 SCALE: 1"=10'

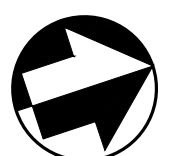
LEGEND

— — — — — L. O. D.	LIMITS OF DISTURBANCE
— — — — — S	EX. SANITARY SEWER LINE
— W — W —	EX. WATER LINE
— C — C —	EX. COMMUNICATIONS LINE
— G — G —	EX. NATURAL GAS LINE
— E — E —	EX. UNDERGROUND ELECTRICAL LINE
	EX. TREE
	EX. CONCRETE COLUMN
	EX. HITCHING POST
	EX. BRICK WALL
	EX. STONE WALL

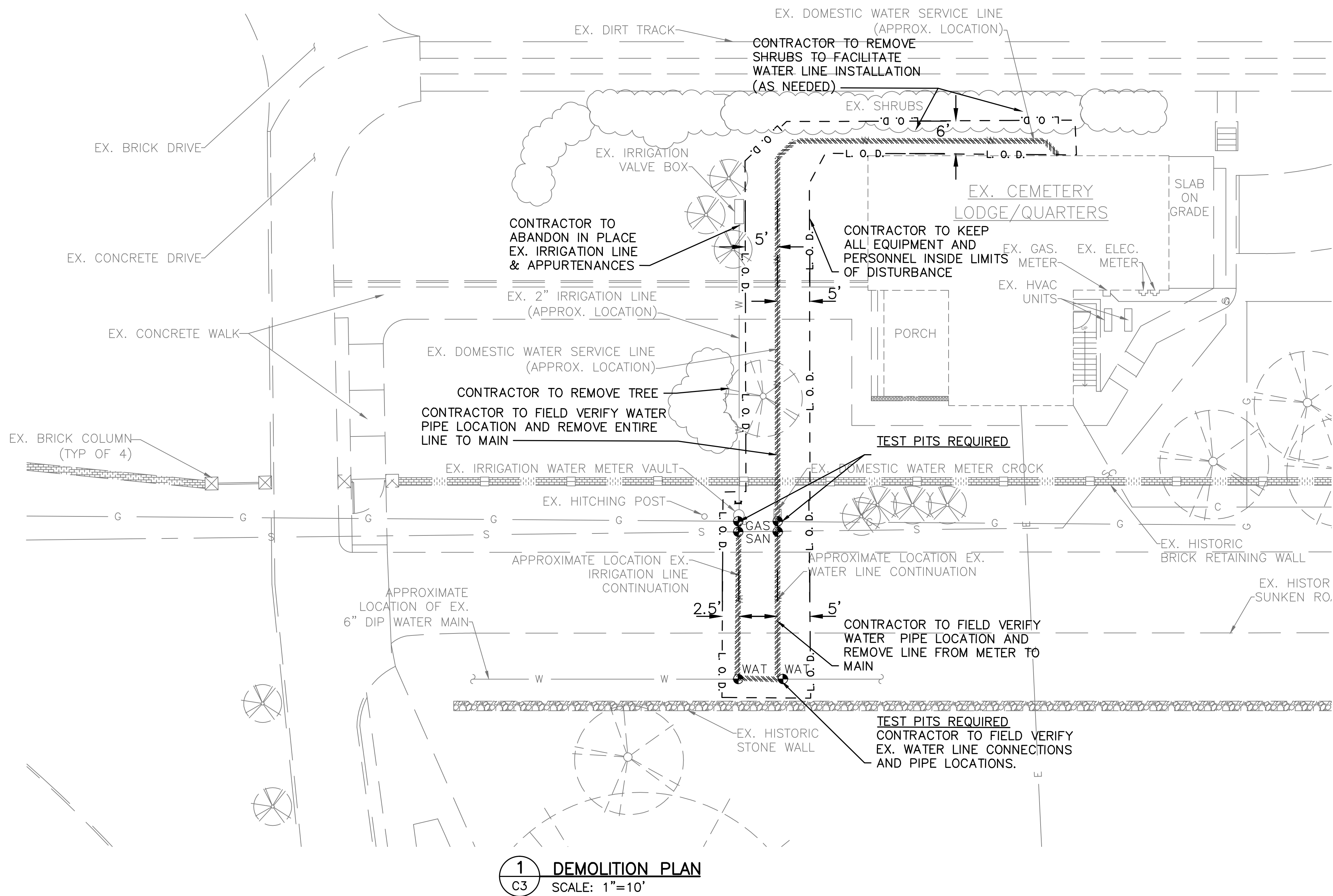
CONTRACTOR NOTES:

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- THIS SITE IS COMPRISED OF THE REMNANTS FROM THE BATTLE OF FREDERICKSBURG, AND EXTREME CARE SHALL BE TAKEN WHEN ON SITE.
- THE ENTIRE CEMETERY AREA HAS ARCHEOLOGICAL REMNANTS PRESENT. THE CONTRACTOR MUST USE CAUTION WHEN MOVING ABOUT THE SITE BOTH ON FOOT AND WITH MACHINERY
- THE CONTRACTOR SHALL KEEP EMPLOYEES, MATERIALS, EQUIPMENT WITHIN THE LIMITS OF WORK/DISTURBANCE AT ALL TIMES.

10 0 10 20
SCALE OF FEET



EYP Inc.	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.	
1000	SB		EXISTING CONDITIONS	325	
POTOMAC	CADD			80,060	
STREET NW,	SB			PKG. NO. XXX	SHEET 4
WASHINGTON,	TECH. REVIEW:				
DC 20007	LS				
	DATE:	C2	FREDERICKSBURG AND SPOTSYLVANIA NMP		
	08/24/2016		FREDERICKSBURG, VA		



1 DEMOLITION PLAN
C3 SCALE: 1"=10'

CONTRACTOR NOTES:

- EXISTING CONDITIONS INFORMATION WAS PROVIDED BY NPS FOR USE IN THIS DESIGN. NOT ALL SITE ELEMENTS AND UTILITIES ARE SHOWN AND INFORMATION IS NOT BASED ON A SURVEY FOR THIS PROJECT. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK AND NOTIFY THE GOVERNMENT REPRESENTATIVE ON SITE OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- THIS SITE IS COMPRISED OF THE REMNANTS FROM THE BATTLE OF FREDERICKSBURG, AND EXTREME CARE SHALL BE TAKEN WHEN ON SITE.
- THE ENTIRE CEMETERY AREA HAS ARCHEOLOGICAL REMNANTS PRESENT. THE CONTRACTOR MUST USE CAUTION WHEN MOVING ABOUT THE SITE BOTH ON FOOT AND WITH MACHINERY
- THE CONTRACTOR SHALL KEEP EMPLOYEES, MATERIALS, EQUIPMENT WITHIN THE LIMITS OF WORK/DISTURBANCE AT ALL TIMES.

DEMOLITION NOTES:

- THE GOVERNMENT WILL PROVIDE ARCHEOLOGICAL MONITORING FOR ALL EXCAVATIONS OUTSIDE PREVIOUSLY DISTURBED AREAS. GOVERNMENT APPROVAL IS REQUIRED FOR ALL DISTURBANCE OUTSIDE LIMITS OF DISTURBANCE.
- THE LIMITS OF DISTURBANCE SHALL BE STAKED OUT AND THE GOVERNMENT SHALL DETERMINE AND NOTE ANY AREAS WHICH HAVE NOT BEEN PREVIOUSLY DISTURBED. ANY PREVIOUSLY UNDISTURBED AREAS SHALL HAVE GOVERNMENT ARCHEOLOGICAL MONITORING DURING PROJECT SITE WORK.
- REMOVE GRAVEL SURFACE OF SUNKEN ROAD AND STOCKPILE IN ACCORDANCE WITH PROJECT SPECIFICATIONS PRIOR TO EXCAVATION AND WATER LINE DEMOLITION. SEPARATE EXISTING GRAVEL TO BE REUSED IN RESTORATION OF SUNKEN ROAD.
- HISTORIC BRICK WALL SHALL REMAIN IN PLACE AND BE PROTECTED FROM DAMAGE. PERFORM DEMOLITION AND CONSTRUCTION ACTIVITIES USING METHODS THAT ARE NON-DESTRUCTIVE TO EX. WALLS AND FOUNDATIONS.
- PROTECT EXISTING SITE ELEMENTS. RESTORE, PREPARE AND/OR REPLACE ALL EXISTING SITE ELEMENTS DAMAGED BY WORK TO EXISTING OR BETTER CONDITION.
- PERFORM ALL UTILITY WORK IN ACCORDANCE WITH THE CITY OF FREDERICKSBURG STANDARDS AND SPECIFICATIONS.

GENERAL CONSTRUCTION NOTES:

- ALL EXISTING UTILITIES SIZES, MATERIALS AND LOCATIONS ARE APPROXIMATE AND ASSUMED. CONTRACTOR SHALL HAVE EXISTING UTILITIES FIELD LOCATED PRIOR TO TEST PIT DISTURBANCE.
- PROTECT EXISTING UTILITIES DURING DEMOLITION. DO NOT INTERRUPT SERVICE TO EXISTING FACILITIES WITHOUT PRIOR WRITTEN APPROVAL FROM THE GOVERNMENT.
- CONTRACTOR SHALL VERIFY AND COORDINATE DEMOLITION LIMITS BASED ON FIELD DATA WITH THE GOVERNMENT.
- PROTECT EX. SHRUBS AND TREES IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- SITE SHALL BE RESTORED TO ITS EXISTING CONDITION UPON COMPLETION OF SITE ACTIVITIES. SITE SHALL BE CONSIDERED ACCEPTABLE UPON APPROVAL OF THE GOVERNMENT.

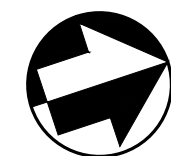
DEMOLITION LEGEND

- WATER LINE CAP
UTILITY TEST PIT
WATER LINE TO BE REMOVED

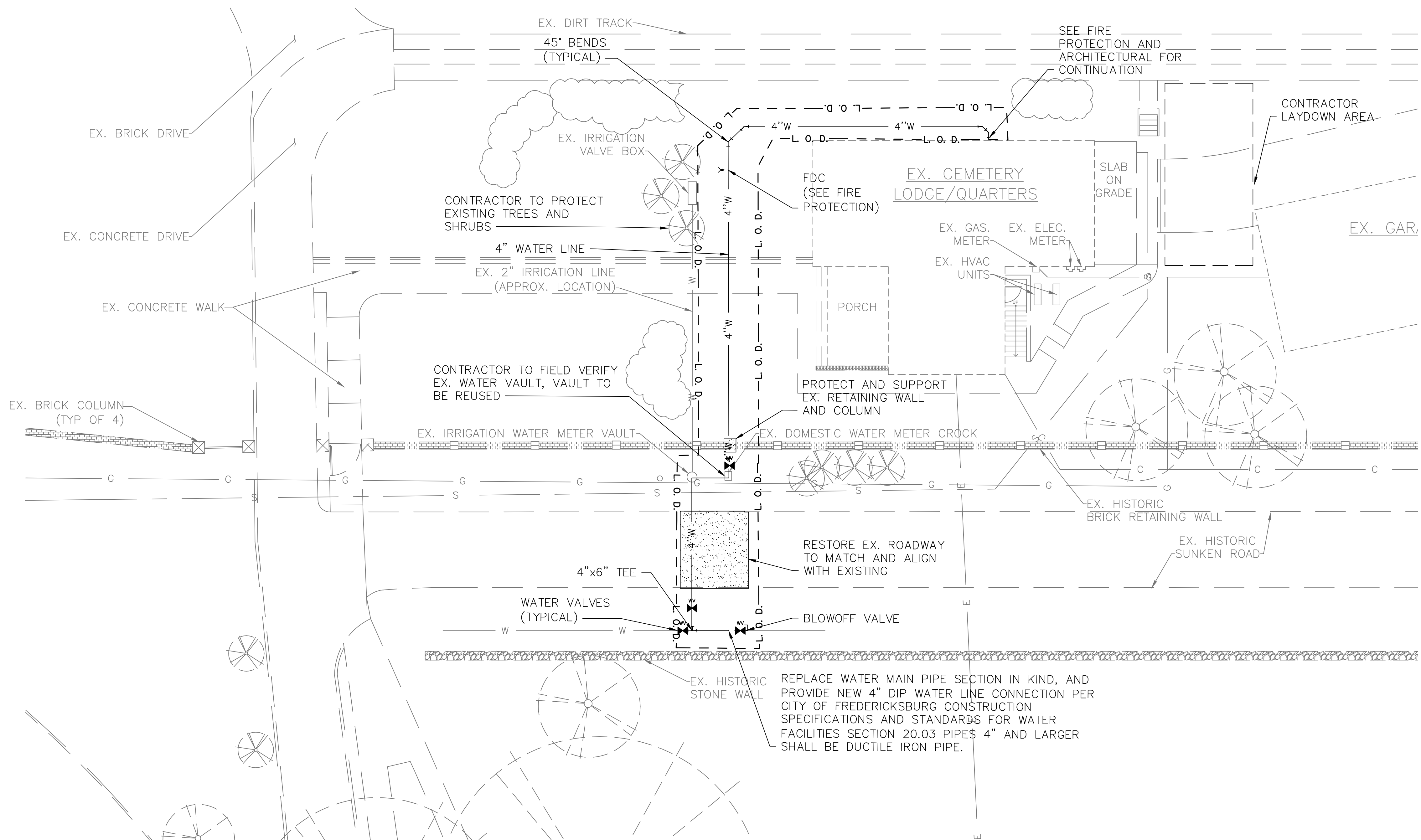
LEGEND

---	---	L. O. D.	LIMITS OF DISTURBANCE
---	---	S	EX. SANITARY SEWER LINE
---	---	W	EX. WATER LINE
---	---	C	EX. COMMUNICATIONS LINE
---	---	G	EX. NATURAL GAS LINE
---	---	E	EX. UNDERGROUND ELECTRICAL LINE
			EX. TREE
			EX. CONCRETE COLUMN
			EX. HITCHING POST
			EX. BRICK WALL
			EX. STONE WALL

10 0 10 20
SCALE OF FEET



EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: SB TECH. REVIEW: LS DATE: 08/24/2016	SUB SHEET NO. C3	TITLE OF SHEET DEMOLITION PLAN FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA	DRAWING NO. 325 80,060 PKG. NO. XXX SHEET 5 OF 18
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1 SITE PLAN
C4 SCALE: 1"=10'

LEGEND

---	---	L. O. D.	---	LIMITS OF DISTURBANCE
---	---	S	---	EX. SANITARY SEWER LINE
---	---	W	---	EX. WATER LINE
---	---	C	---	EX. COMMUNICATIONS LINE
---	---	G	---	EX. NATURAL GAS LINE
---	---	E	---	EX. UNDERGROUND ELECTRICAL LINE
				EX. TREE
				EX. CONCRETE COLUMN
				EX. HITCHING POST
				EX. BRICK WALL
				EX. STONE WALL

CONTRACTOR NOTES:

- EXISTING CONDITIONS INFORMATION WAS PROVIDED BY NPS FOR USE IN THIS DESIGN. NOT ALL SITE ELEMENTS AND UTILITIES ARE SHOWN AND INFORMATION IS NOT BASED ON A SURVEY FOR THIS PROJECT. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK AND NOTIFY THE GOVERNMENT REPRESENTATIVE ON SITE OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- THIS SITE IS COMPRISED OF THE REMNANTS FROM THE BATTLE OF FREDERICKSBURG, AND EXTREME CARE SHALL BE TAKEN WHEN ON SITE.
- THE ENTIRE CEMETERY AREA HAS ARCHEOLOGICAL REMNANTS PRESENT. THE CONTRACTOR MUST USE CAUTION WHEN MOVING ABOUT THE SITE BOTH ON FOOT AND WITH MACHINERY
- THE CONTRACTOR SHALL KEEP EMPLOYEES, MATERIALS, EQUIPMENT WITHIN THE LIMITS OF WORK/DISTURBANCE AT ALL TIMES.

SITE WORK LEGEND

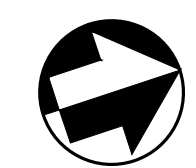
- EXISTING SITE ELEMENTS TO BE PROTECTED, REPLACE AND/OR REPAIR
- BLOWOFF VALVE
- WATER VALVE
- TEE CONNECTION
- 45° BEND
- 4" WATER LINE
- FIRE DEPARTMENT CONNECTION (FDC)

SITE WORK NOTES:

- CONTRACTOR SHALL FIELD LOCATE EXISTING WATER LINE. NOTIFY THE GOVERNMENT IF ALIGNMENT CANNOT BE FOLLOWED AS DESIGNED FOR RESOLUTION.
- CONTRACTOR SHALL PREPARE A SITE PLAN FOR INSTALLATION OF NEW 4" WATER LINE.
- ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH CITY OF FREDERICKSBURG STANDARDS AND SPECIFICATIONS.
- USE OF PVC PIPE REQUIRES A WAIVER FROM CITY OF FREDERICKSBURG PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL USE 45° BENDS OR LESS TO REDUCE PRESSURE LOSS.
- CONTRACTOR SHALL DESIGNATE THE DESIGN OF THE FOLLOWING:
 - SHEETING AND SHORING,
 - STRUCTURAL RETAINING WALL SUPPORT
 - DEWATERING
 - EROSION AND SEDIMENTATION
 - RESTORATION OF SUNKEN ROAD
- CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL SITE ITEMS DAMAGED OR DESTROYED DURING CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN PRIOR APPROVAL OF STAGING AND STORAGE LOCATIONS.

GENERAL CONSTRUCTION NOTES:

- CONTRACTOR SHALL FIELD LOCATE ALL EX. UTILITIES AND SITE ELEMENTS. CONTRACTOR SHALL MARK LIMITS FOR NEW CONSTRUCTION AND SUBMIT PLAN FOR GOVERNMENT REPRESENTATIVE'S APPROVAL PRIOR TO STARTING WORK.
- PROTECT EXISTING UTILITIES DURING DEMOLITION. DO NOT INTERRUPT SERVICE TO EXISTING FACILITIES.
- CONTRACTOR SHALL FIELD LOCATE EX. UTILITIES AND SITE ELEMENTS. CONTRACTOR SHALL VERIFY DEMOLITION LIMITS BASED ON FIELD DATA.
- PROTECT EX. SHRUBS AND TREES IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- SITE SHALL BE RESTORED TO ITS EXISTING CONDITION UPON COMPLETION OF SITE ACTIVITIES. SITE SHALL BE CONSIDERED ACCEPTABLE UPON APPROVAL OF THE GOVERNMENT REPRESENTATIVE.
- ALL EXISTING UTILITIES SIZES AND LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO PERFORMING WORK.



EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: SB	SUB SHEET NO. C4	TITLE OF SHEET SITE PLAN	DRAWING NO. 325 80,060		
	<div>CADD</div> SB			PKG. NO. XXX	SHEET <div>6</div>	
	TECH. REVIEW: LS					OF <u>18</u>
	DATE: 08/24/2016					
	FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA					

A	ABOVE ACCESS FLOOR	ETR	EXISTING TO REMAIN	PLMB	PLUMBING
AAF	ABOVE	ETRL	EXISTING TO BE RELOCATED	PLYWD	PLYWOOD
ABV	ACCESSIBLE	EW	EACH WAY	PNL	PANEL
ACCES	ACOUSTICAL	EWK	ELECTRIC WATER COOLER	POLY	POLYCARBONATE
ACOUS	ACOUSTICAL CEILING TILE	EXH	EXHAUST	PS	PROJECTION SCREEN
ACT	AREA DRAIN, ACCESS DOOR	EXP	EXPANSION	PSF	POUNDS PER SQUARE FOOT
AD	ADJACENT			PSI	POUNDS PER SQUARE INCH
ADJ	ADJACENT	F/C	FLOOR TO CEILING	PT	PRESSURE TREATED
AFF	ABOVE FINISHED FLOOR	FAI	FRESH AIR INTAKE	PTD	PAINTED
AFL	ACCESS FLOOR(ING)	FB	FOILBACKED	PTN	PARTION
AGGR	AGGREGATE	FBR	FABRIC	PVC	POLYVINYL CHLORIDE
AHU	AIR HANDLING UNIT	FD	FLOOR DRAIN, FIRE DAMPER		
ALT	ALTERNATE	FDN, FOUND	FOUNDATION	QT	QUARRY TILE
ALUM	ALUMINUM	FDVC	FIRE DEPT. VALVE CABINET	QTY	QUANTITY
ANOD	ANODIZED	FE	FIRE EXTINGUISHER		
AP	ACCESS PANEL	FEC	FIRE EXTINGUISHER CABINET	R_	RISER LINE
APPD	APPROVED	FH	FIRE HYDRANT	RAD	RADIUS
APPROX	APPROXIMATE	FIN	FINISH(ED)	RB	RUBBER BASE
ARCH	ARCHITECTURE (URE,URAL)	FL, FLR	FLOOR	RD	ROOF DRAIN
AS	ABOVE SLAB	FLAM	FLAMMABLE	REF	REFERENCE
ASPH	ASPHALT	FLOUR	FLOURECENT	REINF	REINFORCED
AUTO	AUTOMATIC	FO	FIBER OPTIC(S)	REQ'D	REQUIRED
AUX	AUXILIARY	FOB	FACE OF BRICK	RESIL	RESILIENT
AVG	AVERAGE	FOC	FACE OF CONCRETE	RLE	RELOCATE EXISTING
		FOP	FACE OF PILASTER	RM	ROOM
B/C	BOTTOM OF CURB	FP	FIRE PROTECTION, FILLER PANEL	RTU	ROOF TOP UNIT
BALC	BALCONY	FRT	FIRE RETARDANT TREAT(ED,MENT)		
BD	BOARD	FS	FLOOR SINK	S&R	SHELF & ROD
BEL	BELOW	FSACCP	FLAT SEAM ALLOY - COATED COPPER PANEL	SB	SMART BOARD
BET	BETWEEN	FT	FEET, FOOT, FULL TIME	SC	SPECIAL COATING, SOLID CORE
BKBD	BACKBOARD	FTG	FOOTING	SD	SOAP DISPENSER
BLDG	BUILDING			SF	SQUARE FOOT/FEET
BLKG	BLOCKING	GC	GENERAL CONTRACTOR	SG	SAFTEY GLASS
BLKHD	BULKHEAD			SHT	SHEET
BM	BEAM			SIM	SIMILAR
BOD	BASIS OF DESIGN	HTR	HEATER	SLD	SEALED
BOT	BOTTOM	HVAC	HEATING,VENTILATION, AIR CONDITIONING	SOG	SLAB ON GRADE
BRG	BEARING	HW	HOT WATER	SP	SUMP PUMP
BRK	BRICK	HWD	HARDWOOD	SPEC	SPECIFICATION
BRKT	BRACKET	HWR	HOT WATER RETURN	SQ	SQUARE
BSMT	BASEMENT			SS	STAINLESS STEEL
BUR BYD	BUILT-UP ROOF BEYOND	I.E.	THAT IS	ST	STORM SEWER, STONE, STAIN
		ID	INSIDE DIAMETER	STD	STANDARD
CAB	CONDUIT	IN	INTERIOR	STL	STEEL
CAP	CABINET	INV	INVERT(ED)	STOR	STORAGE
CAT	CAPACITY			STRUCT	STRUCUR(E, AL)
CB	CATCH BASIN	JB	JUNCTION BOX	SUSP	SUSPEND(ED)
CEM	CEMENT	JC	JANITOR'S CLOSET	SYS	SYSTEM
CF	CUBIC FOOT	JG	JAMB GUARD	T	THREAD
CI	CAST IRON	JT	JOINT	T&B	TOP & BOTTOM
CJ	CONTROL JOINT	JTS	JOINTS	T&G	TOUNGE & GROOVE
CLG	CEILING (SEE ALSO MECH ABBREVIATIONS)	KS	KNEE SPACE, KICK SPACE	T/	TOP OF
CLL	CONTRACT LIMIT LINE			T/C	TOP OF CONCRETE
CLOS	CLOSET	LAM	LAMINATED	T/F	TOP OF FRAME
CLR	CLEAR(ANCE)	LAV	LAVATORY	T/S	TOP OF STEEL
CMU	CONCRETE MASONRY UNIT	LCMF	LIGHT GAUGE METAL FRAMING	T/W	TOP OF WALL
CO	CLEAN OUT	LIN	LINEN	TB	TACKBOARD
COL	COLUMN	LL	LIVE LOAD	TEL	TELEPHONE
CONC	CONCRETE	LLH	LONG LEG HORIZONTAL	TEMP	TEMPERATURE
COND	CONDENS(ATE,ER,ING,ATION)	LLV	LONG LEG VERTICAL	TER	TERRAZO
CONF	CONFERENCE	LP	LOW POINT	THR	THRESHOLD
CONN	CONNECTION			TOIL	TOILET
CONST	CONSTRUCTION	MB	MARKER BOARD	TV	TELEVISION
CONT	CONTINU(OUS,ATION)	MEJ	MASONRY EXPANSION JOINT	TYP	TYPICAL
CONTR	CONTRACTOR	MTD	MOUNT(ED)		
COORD	COORDINATE	MTL	METAL	UC	UNDERCUT
CPT	CARPET			UG	UNDERGROUND
CRS	COURSE	N.I.C.	NOT IN CONTRACT	UNFIN	UNFINISHED
CT	CERAMIC TILE	NO	NUMBER	UNO	UNLESS NOTED OTHERWISE
CW	COLD WATER	NOM	NOMINAL	UPS	UNINTERRUPTABLE POWER SUPPLY
CWR	COLD WATER RETURN	NTS	NOT TO SCALE	UTIL	UTILITY
CY	CUBIC YARD				
CYL	CYLINDER	OA	OVERALL	VAR	VARIABLE
		OC	ON CENTER	VB	VINYL BASE
DET	DETAIL	OD	OUTSIDE DIAMETER	VCT	VINYL COMPOSITE TILE
DRWR	DRAWER	OFCl	OWNER FURNISHED CONTRACTOR	VEN	VENEER
DS	DOWNSPOUT			VERT	VERTICAL
DWGS	DRAWINGS	OFOI	OWNER FURNISHED OWNER	VEST	VESTIBULE
				VIF	VERIFY IN FEILD
EF	EXHAUST FAN	OH	OVERHEAD	VIN	VINYL
EHD	ELECTRIC HAND DRYER	OPG	OPENING	VT	VAPOR TIGHT
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	OPP	OPPOSITE	VTR	VENT THROUGH ROOF
		OZ	OUNCE	VWC	VINYL WALL COVERING
EJ	EXPANSION JOINT				
ELEC	ELECTRICAL	P	POLE	W	WIDE, WIDTH, WATER
EMER	EMERGENCY	PB	PULL BOX	W/	WITH
ENCL	ENCLO(ES,SURE)	PCC	PRECAST CONCRETE	W/O	WITHOUT
EOS	EDGE OF SLAB	PD	PRESSURE DROP	WC	WATER CLOSET
EP	ELECTRICAL PANEL	PH	PHASE	WD	WOOD
EPX	EPOXY	PL	PLATE	WH	WATER HEATER
EQ	EQUAL	PLAM	PLASTIC LAMINATE	WP	WATERPROOF
EQUIP/EQPT	EQUIPMENT	PLAS	PLASTER	WT	WEIGHT
				WTC	WATER COOLER
				WTR	WATER

7 ARCHITECTURAL ABBREVIATIONS

3 MATERIAL LEGEND

	BATT INSULATION
	BRICK/MASONRY
	CONCRETE
	CONCRETE MASONRY UNITS
	GLASS IN ELEVATION
	GRANULAR FILL
	GYPSUM WALL BOARD OR GROUT
	PARTICLE BOARD/ FIBER BOARD
	PLYWOOD
	RIGID INSULATION / ROOF INSULATION
	ROUGH WOOD BLOCKING (CONTINUOUS)
	ROUGH WOOD BLOCKING (INTERRUPTED)
	STEEL

5 PLAN SYMBOLS

	EXIST TO BE REMOVED	EXIST TO REMAIN	NEW
WALL			
DOOR			
WINDOW			
OPENING			

6 RCP LEGEND

NAME	ROOM NAME & NUMBERS<B60A>	WALL/ PARTITION TYPES
	DOOR NUMBERS	MATERIAL KEY NOTE
		CONSTRUCTION KEY NOTE
		FLOOR BOX
		FLOOR DRAIN
		EQUIPMENT TAG

1. THE CEMETERY LODGE IS A HISTORIC STRUCTURE LISTED ON THE NATIONAL REGISTER. SPECIAL CARE IS TO BE TAKEN TO AVOID DAMAGE TO THE BUILDING.

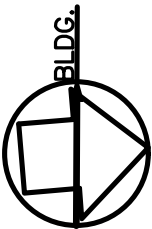
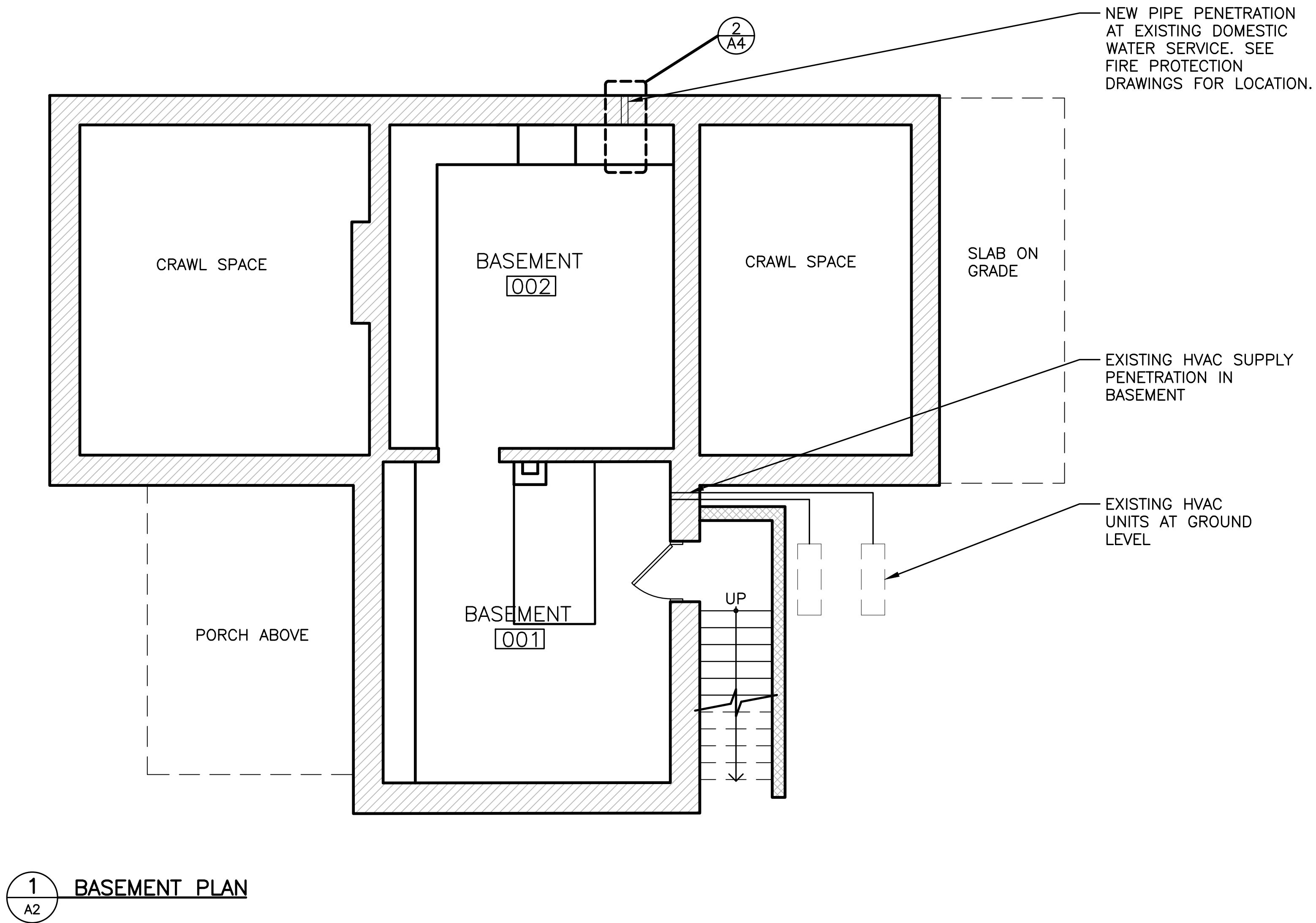
2 GENERAL NOTES

1 DEMOLITION NOTES

- BEFORE UNDERTAKING ANY DEMOLITION, DEVELOP A DETAILED PLAN OF THE PROPOSED SYSTEM LAYOUT. REMOVE THE MINIMUM AMOUNT OF MATERIAL NECESSARY TO FACILITATE THE INSTALLATION OF THE NEW SYSTEMS.
- TAKE MEASURES NECESSARY TO PROTECT AREAS AND SURFACES ADJACENT TO DEMOLITION. IF DAMAGE DOES OCCUR, DO NOT TAKE CORRECTIVE ACTION UNTIL APPROVED BY THE GOVERNMENT.

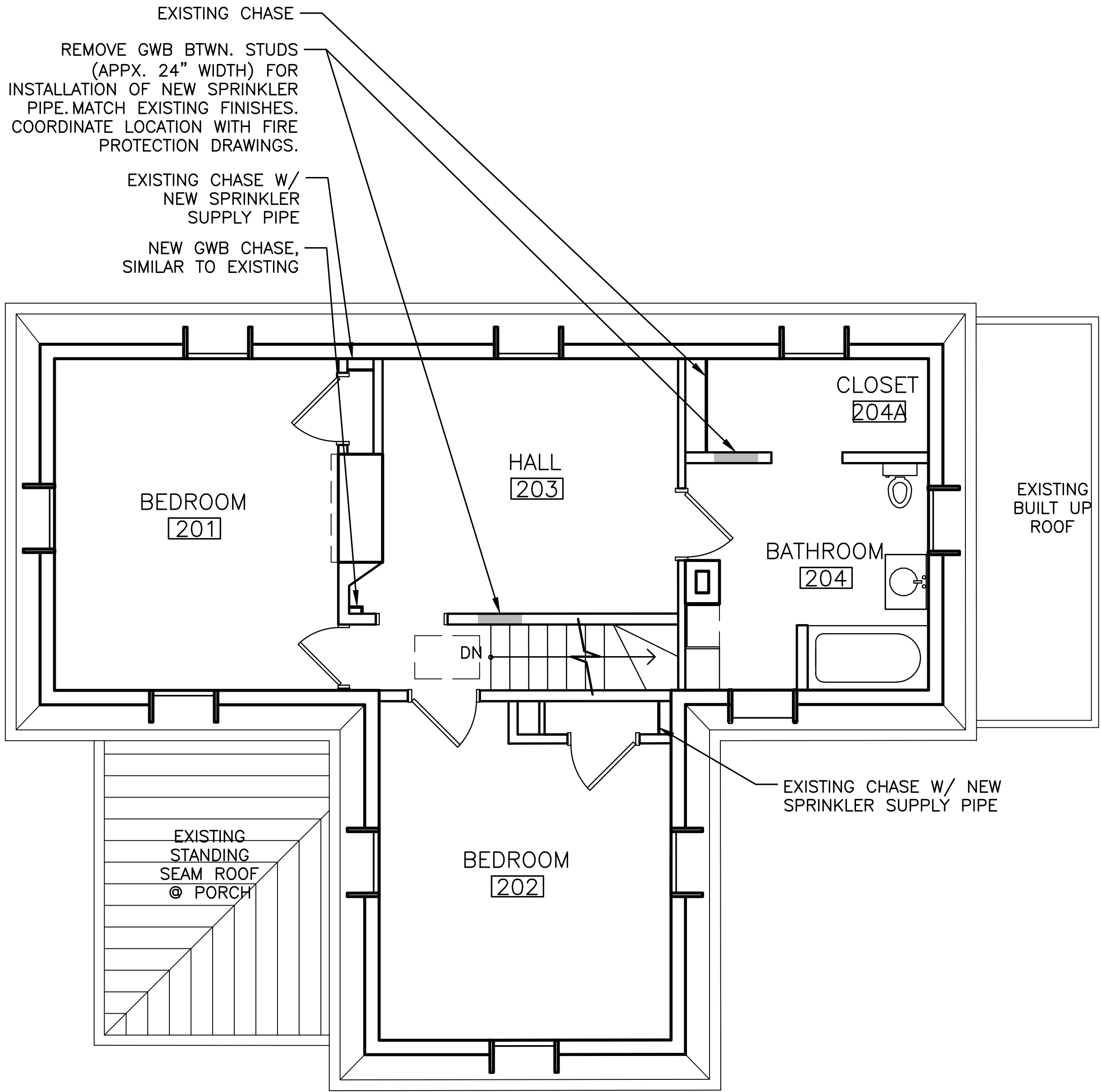
EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: ZT TECH. REVIEW: ZT DATE: 08/24/2016	SUB SHEET NO. AO	TITLE OF SHEET SYMBOLS, NOTES, & ABBREVIATIONS FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA	DRAWING NO. XXX XXX,XXX PKG. NO. XXX SHEET 7 OF 18
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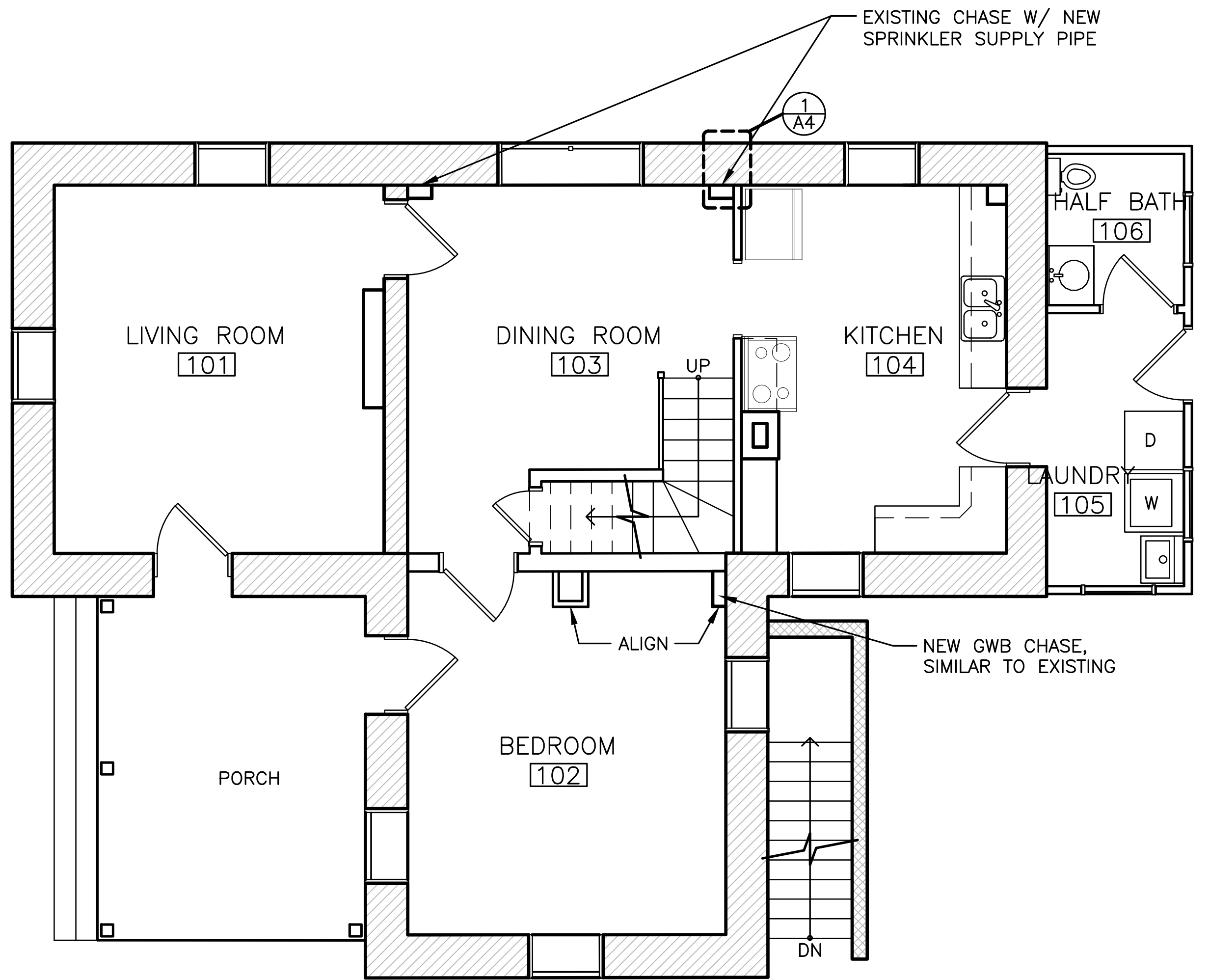


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	ZT			PKG. NO. XXX	SHEET <div>8</div>	
	GADD					OF 18
	ZT					
	TECH. REVIEW:					
MC	DATE: 08/24/2016		FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA			

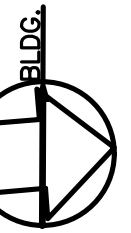
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2 SECOND FLOOR PLAN
A3

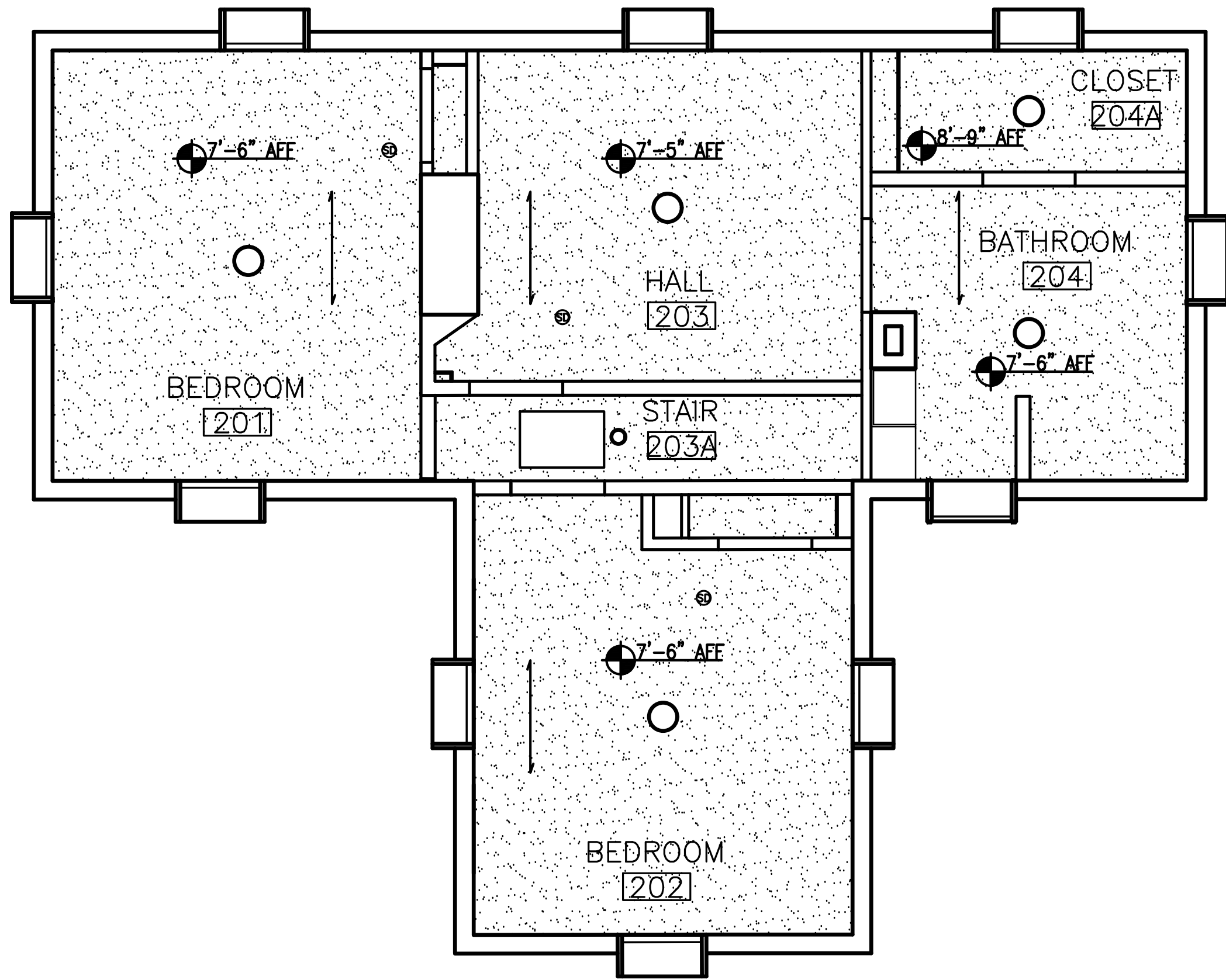


1 FIRST FLOOR PLAN
A3



EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: ZT GAB	SUB SHEET NO. A2	TITLE OF SHEET FIRST & SECOND FLOOR PLANS FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA	DRAWING NO. XXX XX,XXX	
	TECH. REVIEW: MC			PKG. NO. XXX	SHEET 9
	DATE: 08/24/2016			OF 18	

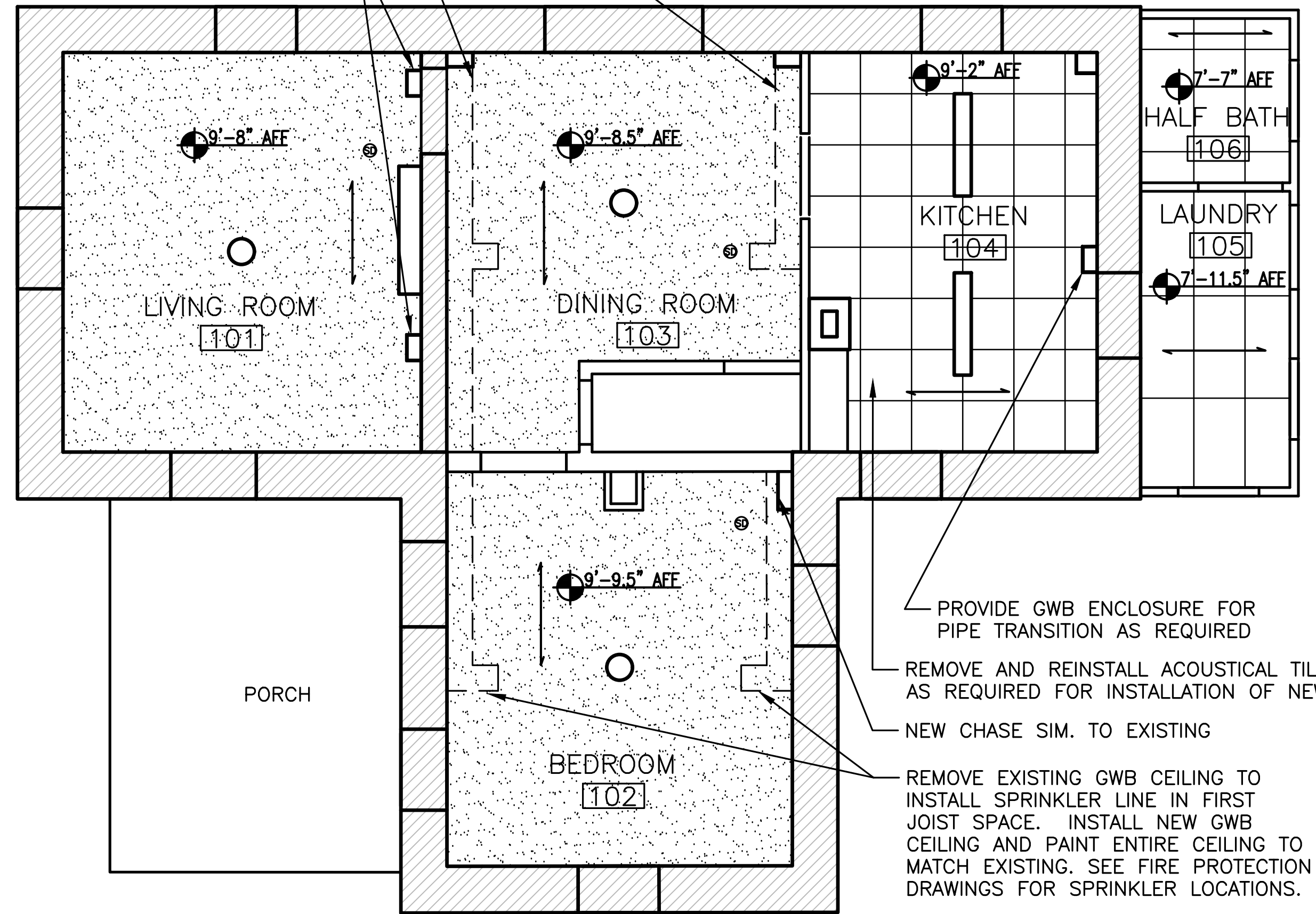
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2 SECOND FLOOR RCP
A4

REMOVE EXISTING GWB CEILING TO INSTALL SPRINKLER LINE IN FIRST JOIST SPACE. INSTALL NEW GWB CEILING AND PAINT ENTIRE CEILING TO MATCH EXISTING. SEE FIRE PROTECTION DRAWINGS FOR SPRINKLER LOCATIONS.

PROVIDE GWB ENCLOSURE FOR PIPE TRANSITION AS REQUIRED



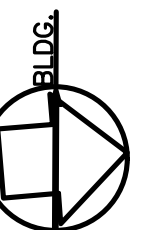
PROVIDE GWB ENCLOSURE FOR PIPE TRANSITION AS REQUIRED

REMOVE AND REINSTALL ACOUSTICAL TILE CEILING AS REQUIRED FOR INSTALLATION OF NEW PIPING

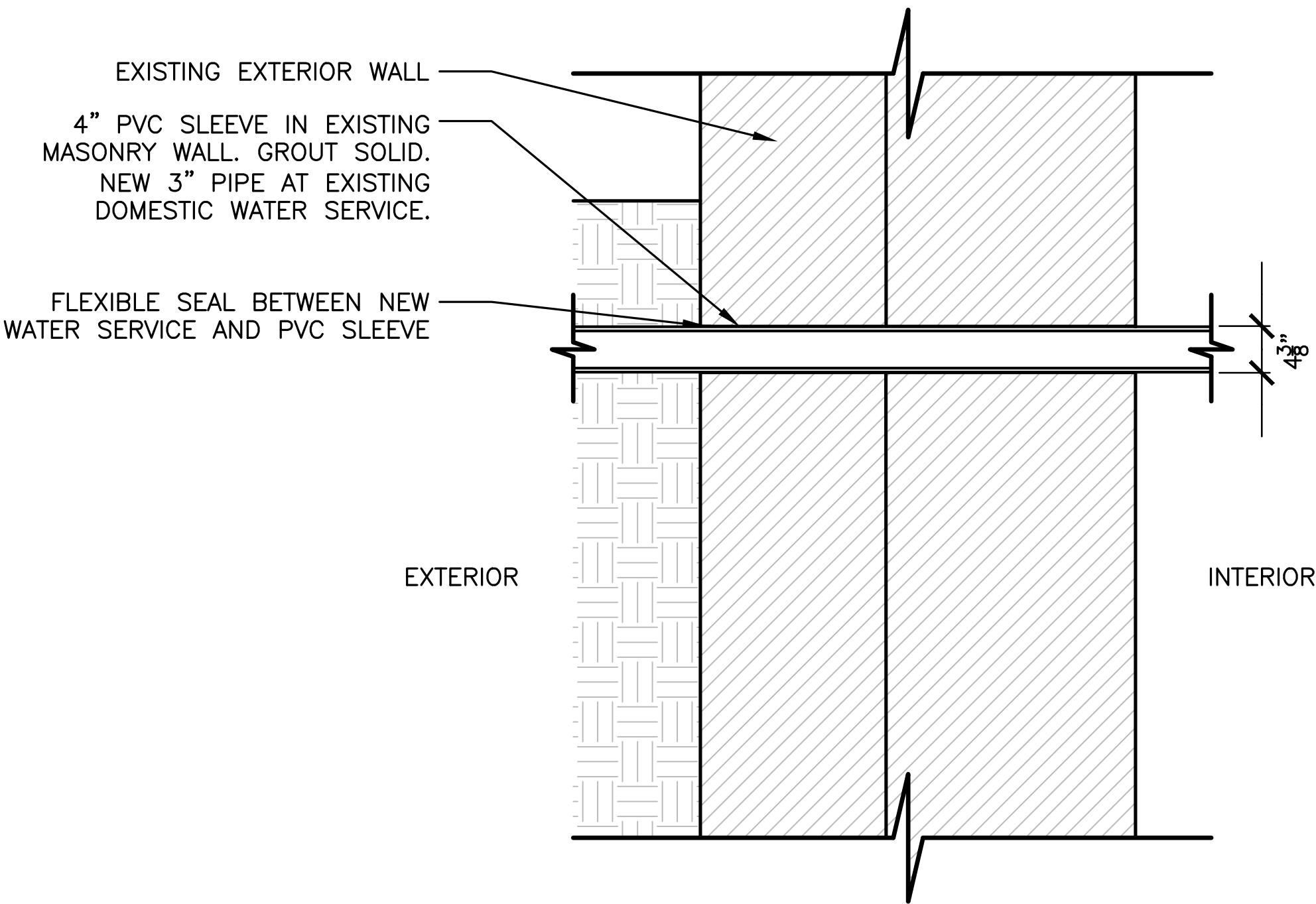
NEW CHASE SIM. TO EXISTING

REMOVE EXISTING GWB CEILING TO INSTALL SPRINKLER LINE IN FIRST JOIST SPACE. INSTALL NEW GWB CEILING AND PAINT ENTIRE CEILING TO MATCH EXISTING. SEE FIRE PROTECTION DRAWINGS FOR SPRINKLER LOCATIONS.

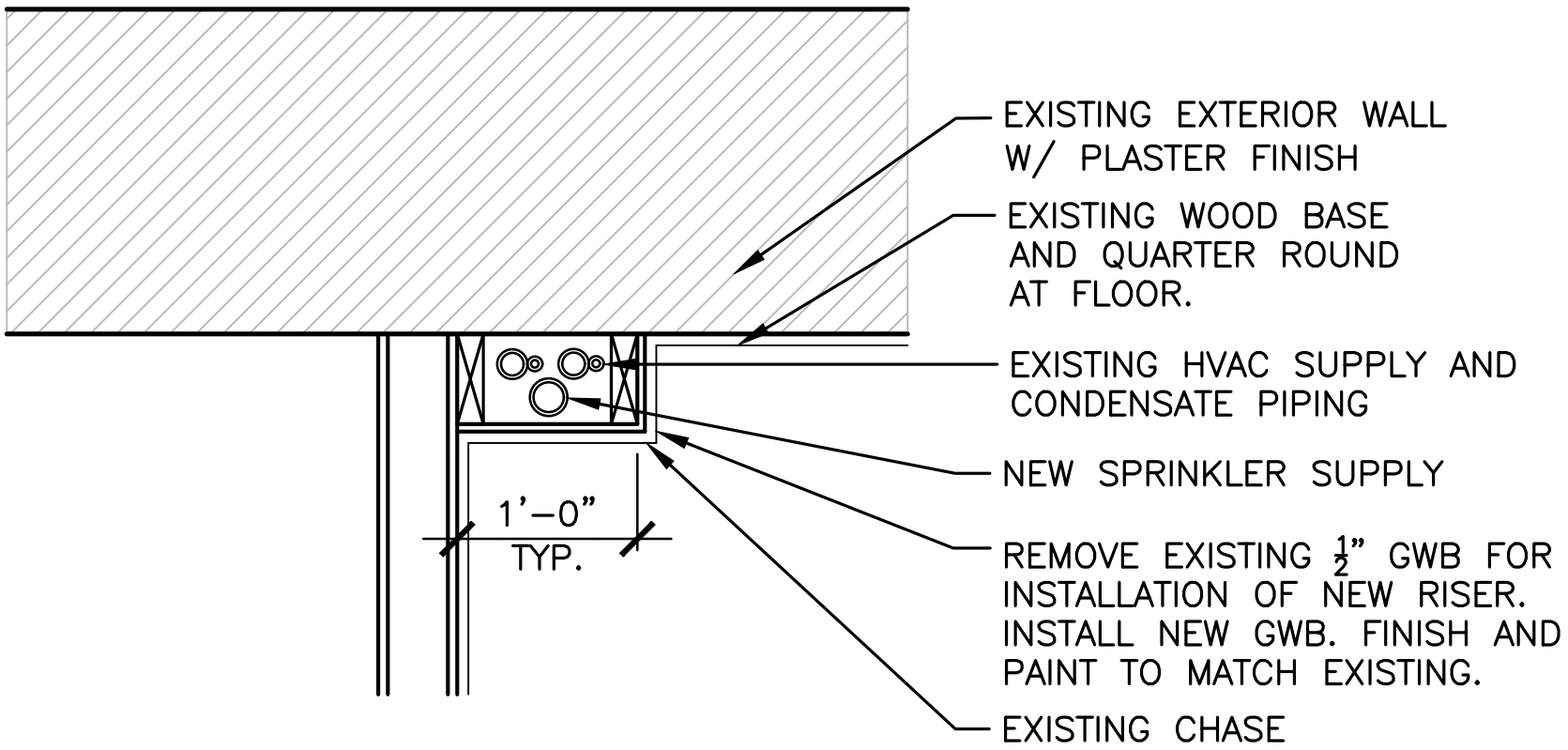
1 FIRST FLOOR RCP
A4



EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: ZT GAB	SUB SHEET NO. A3	TITLE OF SHEET FIRST & SECOND FLOOR REFLECTED CEILING PLANS FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA	DRAWING NO. XXX XX,XXX	
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	DATE: 08/24/2016			OF 18	

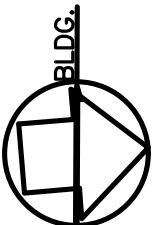


2 NEW WATER SERVICE
A1/A4



1 TYPICAL EXISTING CHASE
A2/A4

NOTE: NEW CHASE SIMILAR TO EXISTING.



EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: ZT GAD	SUB SHEET NO. A4	TITLE OF SHEET DETAILS FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA	DRAWING NO. XXX XX,XXX	
	TECH. REVIEW: MC			PKG. NO. XXX	SHEET
	DATE: 08/24/2016				11
					OF 18

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GENERAL NOTES

1. FOLLOW THE REQUIREMENTS OF NFPA 13, LOCAL FIRE DEPARTMENT, NATIONAL PARK SERVICE AND THOSE OF ANY CITY, STATE, OR FEDERAL AGENCY HAVING JURISDICTION OVER THIS PROJECT
2. ALL CUTTING AND PATCHING SHALL BE CONDUCTED BY THE FIRE PROTECTION CONTRACTOR
3. COORDINATE ALL SPRINKLER AND FIRE ALARM SYSTEM INTERFACES INCLUDING FLOW AND TAMPER SWITCHES, SPRINKLER PIPING, AND FIRE ALARM CONDUITS WITH ELECTRICAL CONTRACTOR
4. ALL PIPING SHALL BE CONCEALED IN OCCUPIED SPACES UNLESS NOTED OTHERWISE
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OF ALL HOLES FOR SPRINKLER PIPING. HOLES SHALL BE DRILLED A MAXIMUM OF 1" LARGER THAN NOMINAL PIPE DIAMETER IN ORDER TO MINIMIZE PATCHING REQUIREMENTS. PROVIDE ESCUTCHEONS AT ALL PENETRATIONS. FINISH AS APPROVED PER THE NATIONAL PARK SERVICE
6. FIRE PROTECTION CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS SIGNED BY A LICENSED FIRE PROTECTION ENGINEER OR A CERTIFIED NICET LEVEL IV IN FIRE PROTECTION (WATER-BASED SYSTEMS LAYOUT, FIRE ALARM SYSTEMS, ETC.)
7. ANY DEVIATIONS IN PIPE ROUTING FROM THOSE SHOWN ON PLANS SHALL BE SUBMITTED TO THE NATIONAL PARK SERVICE THROUGH THE SHOP DRAWING PROCEDURE
8. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE AGAINST DAMAGE TO EXISTING BUILDING ELEMENTS NOT SCHEDULED FOR WORK UNDER THIS CONTRACT. ANY DAMAGE DONE TO THE BUILDING AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE GOVERNMENT
9. PLACE A MINIMUM OF SIX SPRINKLERS WITH A MINIMUM OF TWO OF EACH TYPE OF SPRINKLER IN THE SPARE SPRINKLER CABINET W/ A SPRINKLER WRENCH FOR EACH TYPE OF SPRINKLER
10. THE CONTRACTOR SHALL PROVIDE A WALK-THRU WITH THE NATIONAL PARK SERVICE PRIOR TO FINALIZING THE SHOP DRAWING PROCESS
11. THE CONTRACTOR SHALL HYDROSTATICALLY TEST ALL SPRINKLER PIPING AT 200 PSI FOR 2 HOURS
12. GOVERNMENT, AHJ, OR DESIGNEE WILL WITNESS TESTING AFTER ALL PAPERWORK HAS BEEN PROVIDED FOR REVIEW
13. SUPPLY TO NATIONAL PARK SERVICE ALL ABOVE AND UNDERGROUND TEST CERTIFICATES
14. SUPPORT ALL PIPING PER NFPA 13 AND ALL MANUFACTURERS' INSTALLATION RECOMMENDATIONS
15. ALL SPRINKLER DEVICES SHALL BE U.L. LISTED AND APPROVED FOR FIRE PROTECTION
16. FIRE STOP ALL PENETRATIONS TO MATCH EXISTING FIRE RATED CONSTRUCTION
17. PROVIDE AUXILIARY DRAINS FOR ANY TRAPPED SECTIONS OF WATER PER NFPA 13
18. PROVIDE SPRINKLER GUARDS FOR ALL EXPOSED SPRINKLERS IN ACCORDANCE TO NFPA 13
19. THE FIRE DEPARTMENT CONNECTION WILL BE A SINGLE INLET, FREE-STANDING FDC. LOCATION AND TIE-IN TO THE DOMESTIC UNDERGROUND SUPPLY SHALL BE COORDINATED WITH THE CIVIL ENGINEER

DESIGN CRITERIA

1. OCCUPANCY CLASSIFICATION: LIGHT HAZARD
AREAS: ROOM DESIGN METHOD
DENSITY: 0.10 GPM/SF
AREA OF APPLICATION: SECOND FLOOR
COVERAGE OF SPRINKLER: 225 SF MAX FOR PENDENT/UPRIGHT
196 SF FOR HORIZONTAL SIDEWALL
INSIDE HOSE ALLOWANCE: 0 GPM
OUTSIDE HOSE STREAM: 100 GPM

GOVERNING PARTY
AUTHORITY HAVING JURISDICTION (AHJ) IS THE NATIONAL PARK SERVICE,
NORTHEAST REGION STRUCTURAL FIRE MANAGER OR THEIR DESIGNEE

FLOW TEST CRITERIA

LOCATION: FREDERICKSBURG BATTLEFIELD VISITOR CENTER
DATE: JANUARY 28, 2015
BY: AAFI

ACTUAL AVAILABLE WATER:

HYDRANT AT 87 FEET ABOVE SEA LEVEL
STATIC PRESSURE - 41 PSI
RESIDUAL PRESSURE - 32 PSI AT 1113 GPM

APPLICABLE CODES AND STANDARDS:

VIRGINIA UNIFORM STATEWIDE BUILDING CODE, 2012 EDITION

INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION

INTERNATIONAL FIRE CODE (IFC), 2012 EDITION (AS REFERENCED BY IBC)

NFPA 70, NATIONAL ELECTRICAL CODE, 2008 EDITION.

NFPA 72, NATIONAL FIRE ALARM CODE, 2010 EDITION.

NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2010 EDITION.

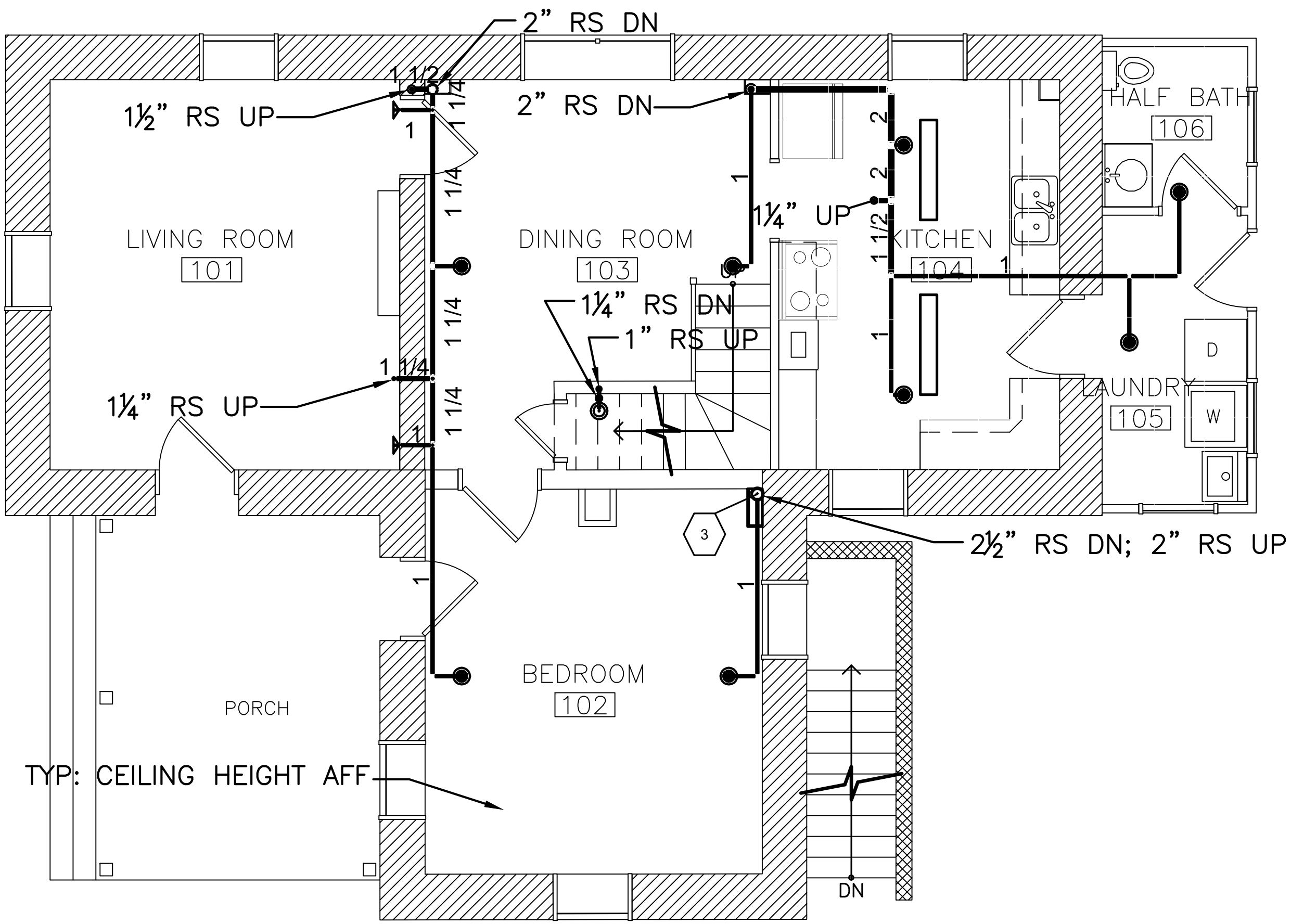
SCOPE:

INSTALL NEW SPRINKLER SYSTEM AS SHOWN ON THESE PLANS.

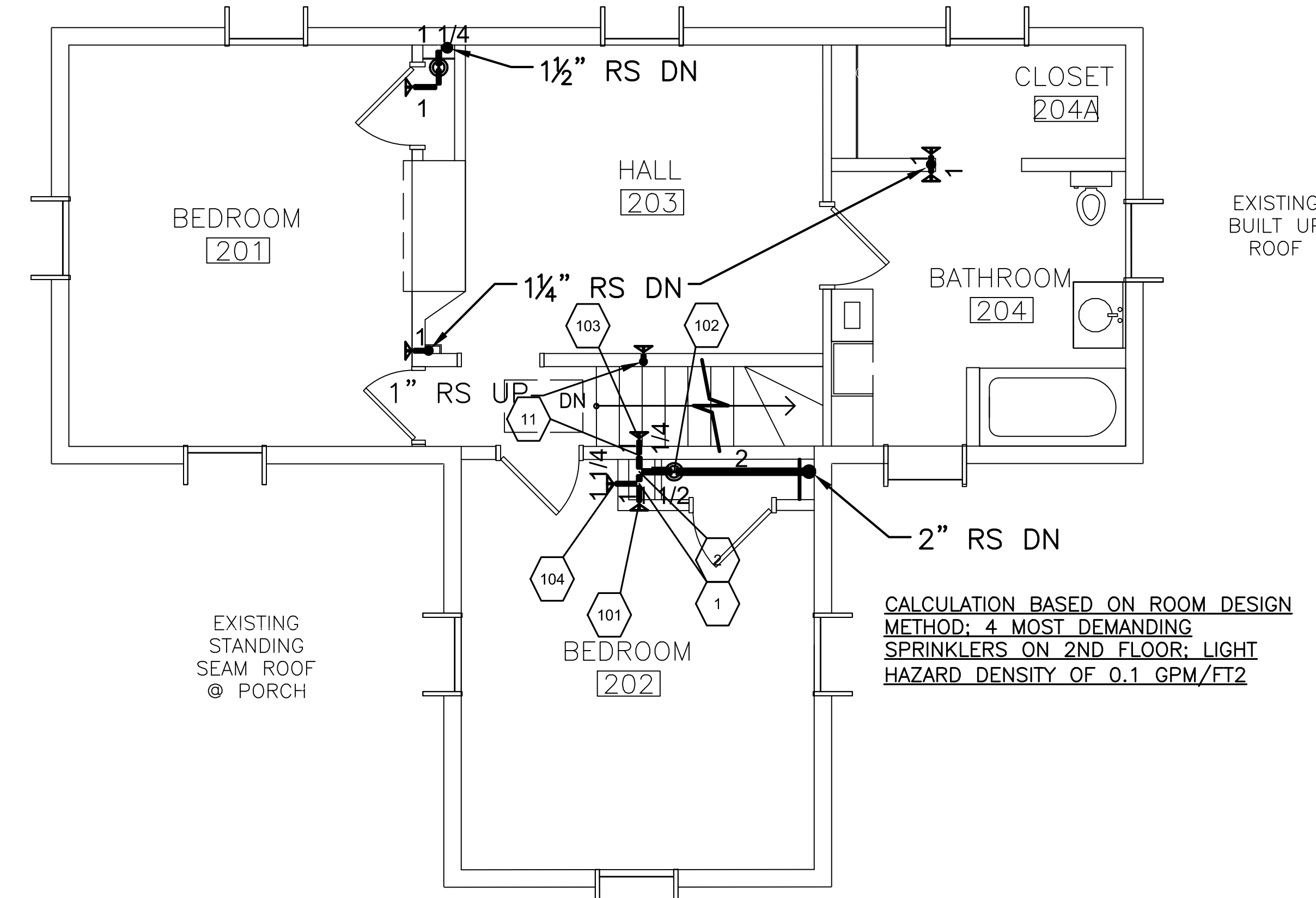
SPRINKLER SCHEDULE & LEGEND						
SYM.	SPRINKLER MAKE, MODEL, TRNK. NPT	RIFGE	CK	TEMP.	FINISH	QUANTITY
●	RECESSED PENDENT	½"	5.6	155°F	WHITE	-
⊙	UPRIGHT	½"	5.6	155°F	BRASS	-
◀	HORIZONTAL SIDEWALL	½"	5.6	155°F	WHITE	-
						-
						-
1 HEAD, CAB'T. & WRENCH(ES) PROVIDED						
TOTAL COUNT THIS JOB =						-

EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: KS GAJD	SUB SHEET NO. F1	TITLE OF SHEET FIRE PROTECTION GENERAL NOTES FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA		DRAWING NO. XXX XX,XXX	
	TECH. REVIEW: KS MB				PKG. NO. XXX	SHEET
	DATE: 08/24/2016					<div>12</div> OF 18

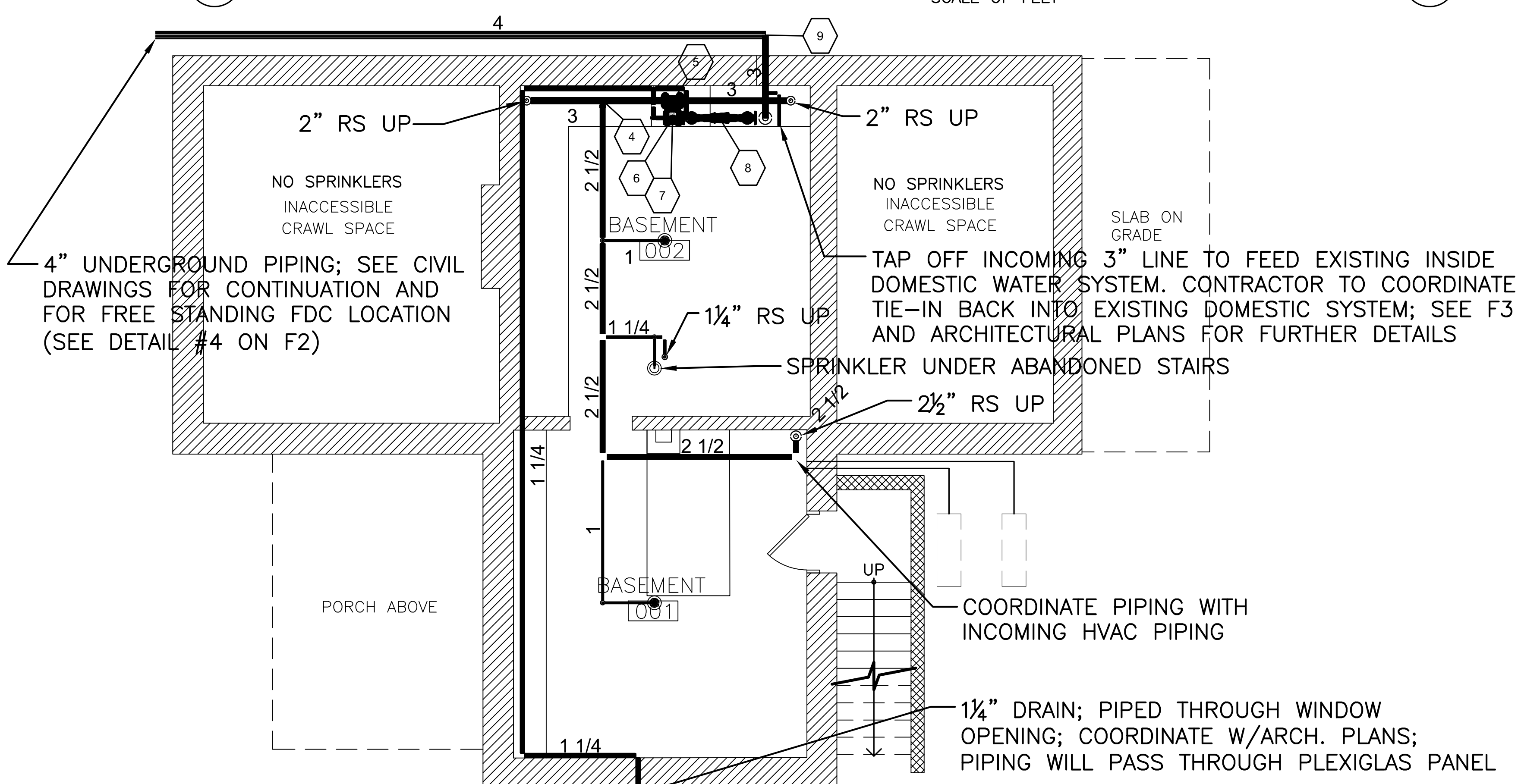
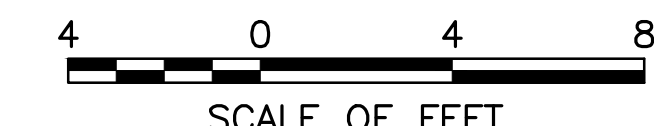
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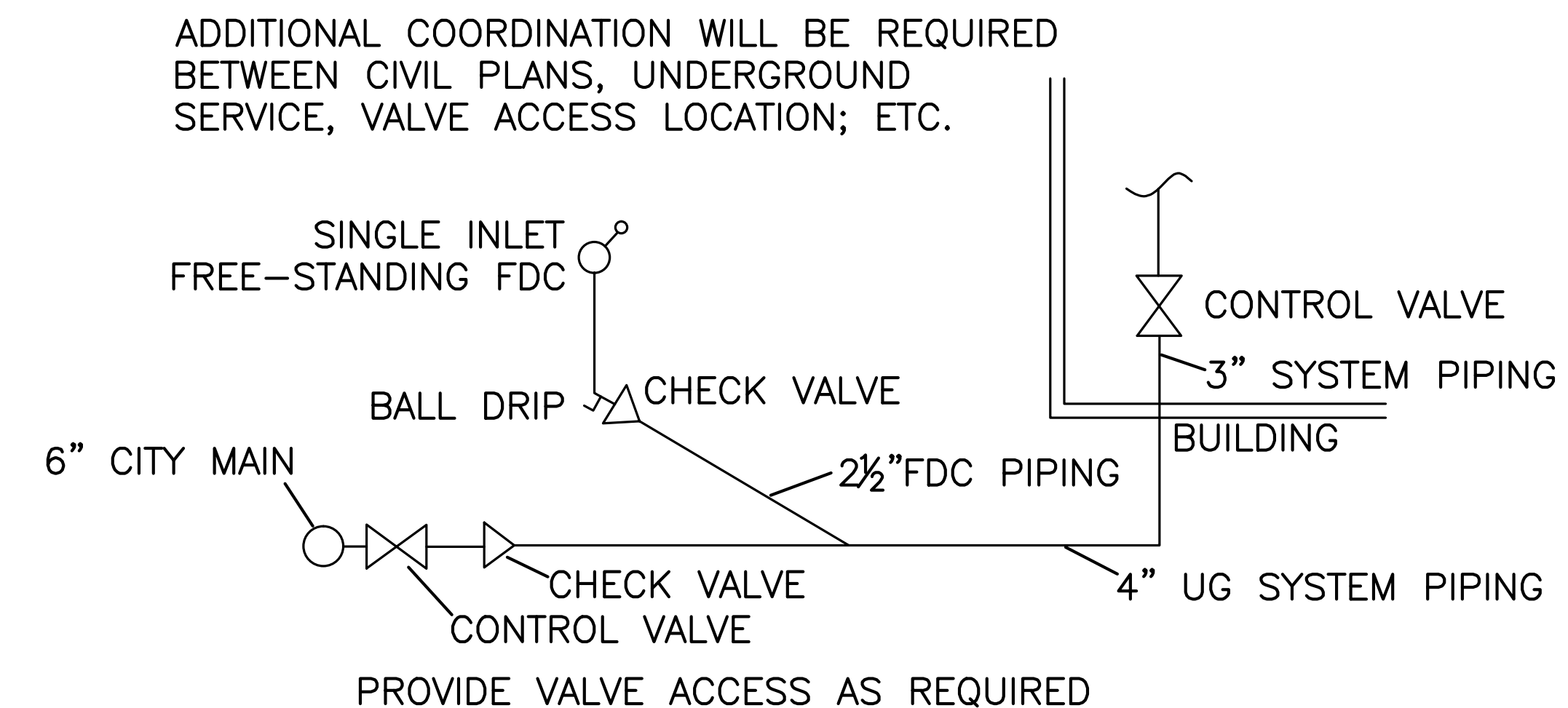
2 SPRINKLER LAYOUT – LEVEL 1
F2



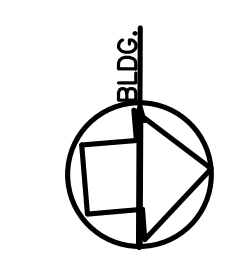
3 SPRINKLER LAYOUT – LEVEL 2
F2



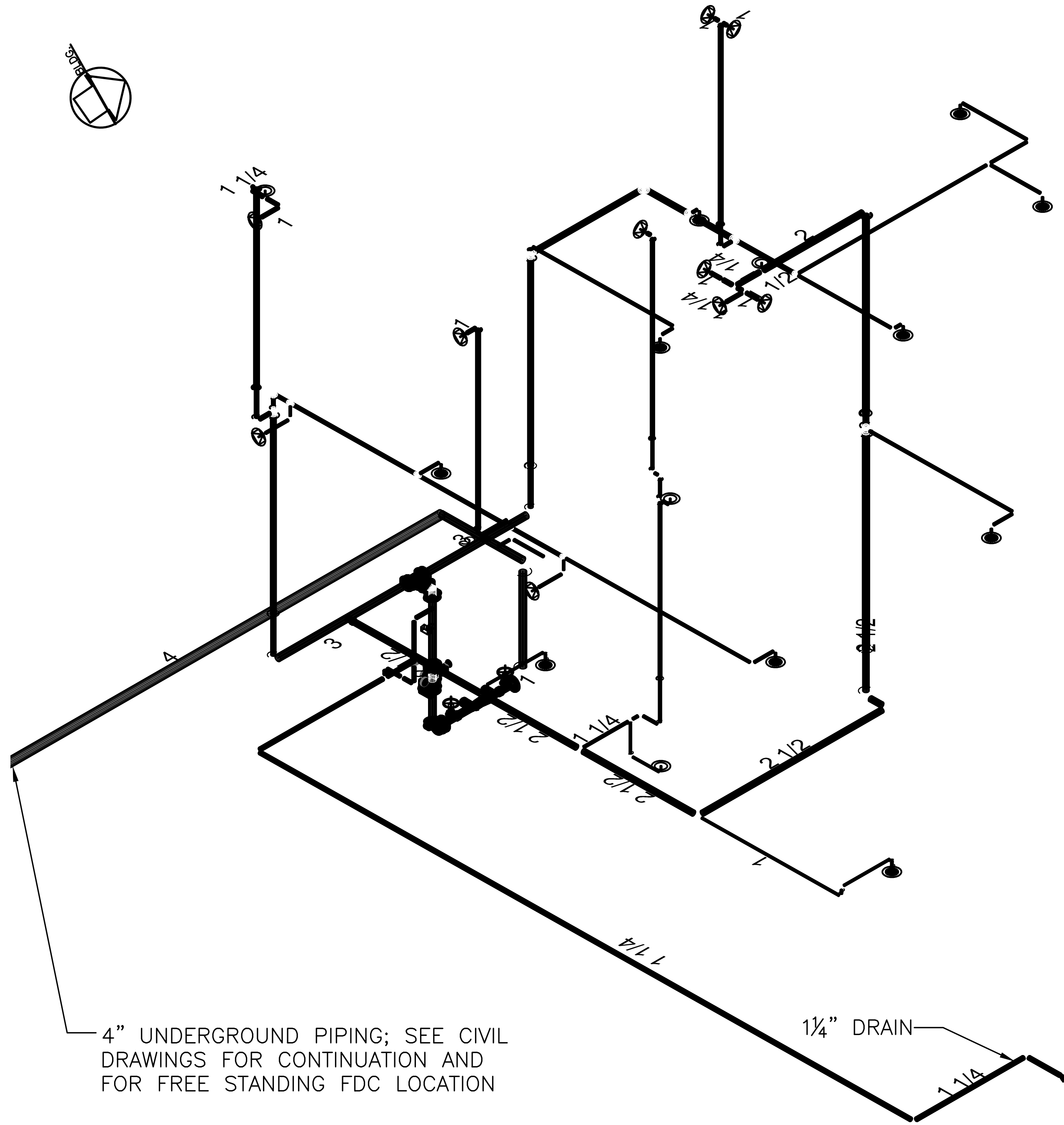
1 SPRINKLER LAYOUT – BASEMENT
F2



4 FIRE DEPARTMENT CONNECTION TO UNDERGROUND SCHEMATIC
F2

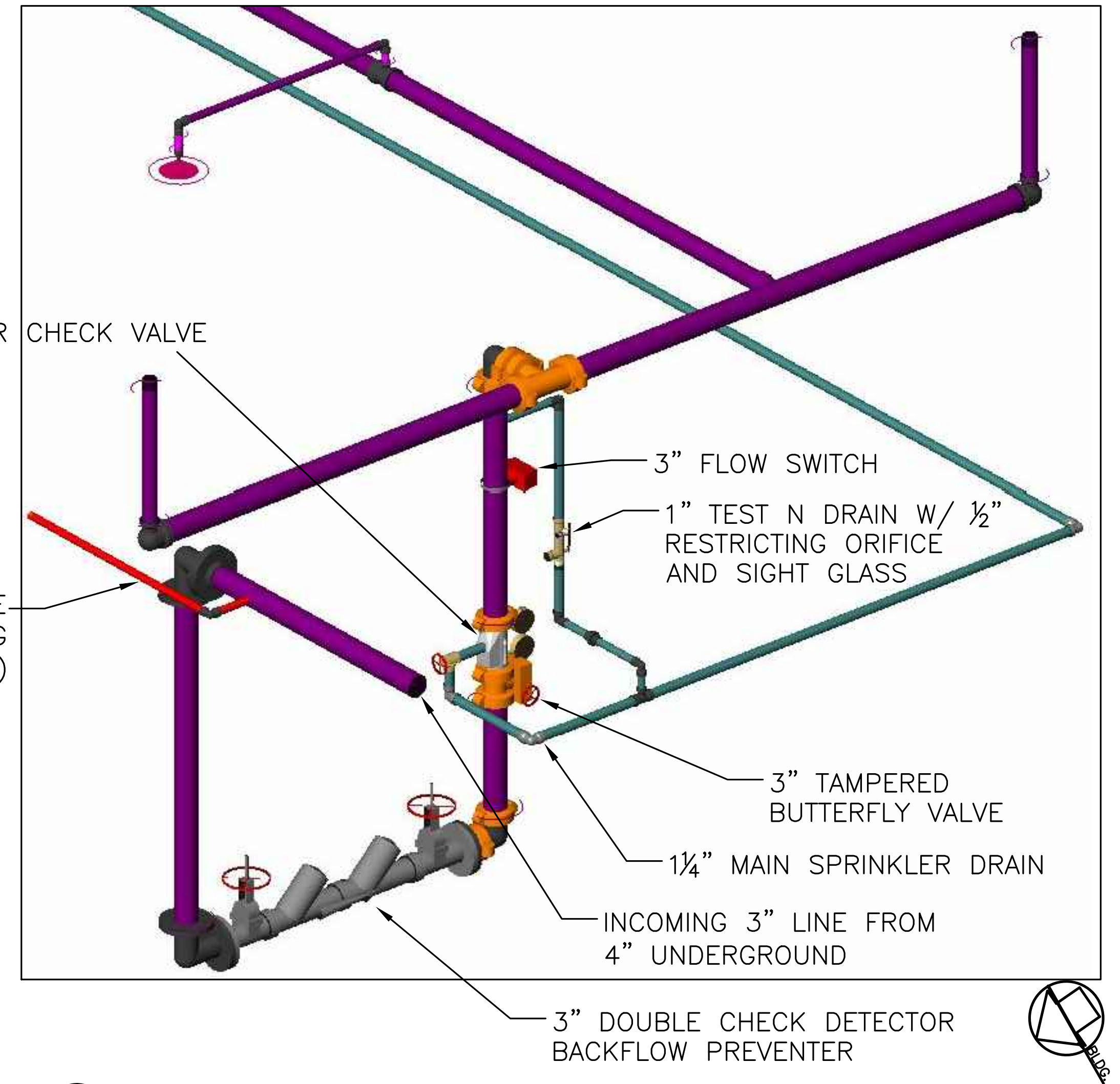


EYP Inc.	DESIGNED: KS	SUB SHEET NO. F2	TITLE OF SHEET FIRE PROTECTION SPRINKLER LAYOUT	DRAWING NO. XXX XX,XXX	
1000 POTOMAC STREET NW, WASHINGTON, DC 20007	KS GAB			PKG. NO. XXX	SHEET 13
	TECH. REVIEW: MB				OF 18
DATE: 08/24/2016		FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA			



1 SPRINKLER SYSTEM — ISOMETRIC
NOT TO SCALE

DOMESTIC WATER TAP; SEE
DETAIL #3 (PHOTO OF EXISTING
DOMESTIC WATER SYSTEM)



2 SPRINKLER LAYOUT — BASEMENT
NOT TO SCALE

EXISTING INCOMING COPPER LINE
TO BE DISCONNECTED THEN
RECONNECTED TO THE DOMESTIC
TAP COMING OFF THE NEW 3" PIPE



3 EXISTING DOMESTIC WATER SYSTEM — BASEMENT
NOT TO SCALE

EYP Inc.	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.	
1000	KS			XXX	
POTOMAC	GABD			XX,XXX	
STREET NW,	KS			PKG. NO.	SHEET
WASHINGTON,	TECH. REVIEW:	XXX	14		
DC 20007	MB				
	DATE:				
	08/24/2016				
			FIRE PROTECTION SPRINKLER DETAILS		
			FREDERICKSBURG AND SPOTSYLVANIA NMP		
			FREDERICKSBURG, VA		

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GENERAL NOTES

GENERAL NOTES:

1. ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE USED FOR EXACT MEASURE OR FABRICATION. CONTRACTOR SHALL INSTALL ALL FIRE ALARM COMPONENTS IN ACCORDANCE WITH ALL APPLICABLE CODES. CONTRACTOR SHALL COORDINATE INSTALLATION OF SYSTEM WITH ALL OTHER TRADES.
2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND OTHER NPS REQUIREMENTS.
3. IN CASE OF DISPUTE AS TO INTENT OF DRAWING OR SPECIFICATIONS, OBTAIN ENGINEER'S WRITTEN APPROVAL BEFORE PROCEEDING.
4. DESIGN AND INSTALL THE FIRE ALARM SYSTEM TO MEET THE REQUIREMENTS OF ALL CODES AND STANDARDS LISTED ON THIS SHEET.
5. THE CONTRACTOR SHALL PROVIDE A FIELD PROJECT MANAGER THROUGHOUT THE PROJECT WITH A MINIMUM OF NICET LEVEL II CERTIFICATION IN FIRE ALARM SYSTEM TECHNOLOGY.
6. THE CONTRACTOR SHALL HAVE A DESIGNER WITH A MINIMUM NICET LEVEL IV CERTIFICATION IN FIRE ALARM SYSTEM TECHNOLOGY OR A LICENSED PROFESSIONAL FIRE PROTECTION ENGINEER IN RESPONSIBLE CHARGE OF THE FIRE ALARM SYSTEM DESIGN.
7. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR THE FIRE ALARM SYSTEM INCLUDING A RISER (WITH SEQUENCE OF OPERATION), POWER CONNECTION DETAILS, FLOOR PLANS SHOWING ALL DEVICE ADDRESSES, POWER SUPPLIES, CIRCUITRY AND ZONING PROPOSED FOR THE PROJECT/SYSTEM IN SUFFICIENT DETAIL TO CLEARLY REVIEW AND BUILD THE SYSTEM. PROVIDE INTERIOR PANEL WIRING AND DEVICE POINT-TO-POINT CONNECTION DETAIL DRAWINGS FOR ALL EQUIPMENT.
8. IN ADDITION TO SHOP DRAWINGS, CONTRACTOR SHALL SUBMIT CATALOG CUT SHEETS, ADDRESSABLE CIRCUIT LOADING, NOTIFICATION APPLIANCE CIRCUIT LOADING, BATTERY CALCULATIONS, CURRENT DRAW AND VOLTAGE DROP CALCULATIONS AND SAMPLES AS REQUIRED BY NFPA 72, AND OWNER REQUIREMENTS.
9. CHANGES IN THE LOCATIONS OF EQUIPMENT FROM THOSE SHOWN ON APPROVED SHOP DRAWINGS SHALL BE IDENTIFIED AND APPROVED IN WRITING PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECTIFYING UNAUTHORIZED NONCOMPLIANT CHANGES AT NO ADDITIONAL CHARGE TO THE OWNER.
10. THE CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS IN ELECTRONIC FORMAT (PDF AND MICROSTATION) REFLECTING ACCURATE FIELD CONDITIONS.
11. THE CONTRACTOR IS SPECIFICALLY RESPONSIBLE FOR ALL MEANS AND METHODS OF JOB SAFETY. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
12. IF THE CONTRACTOR OPTS TO INSTALL EQUIPMENT OTHER THAN THAT SPECIFIED, HE/SHE SHALL BE RESPONSIBLE FOR PERFORMING THE NECESSARY DESIGN SERVICES TO ACCOMMODATE THE EQUIPMENT. ANY SUCH CHANGES SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER. NPS SHALL ALSO APPROVE ANY CHANGES.
13. ALL EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED.
14. PROVIDE TRANSIENT SURGE SUPPRESSION FOR THE FIRE ALARM SYSTEM POWER SUPPLY AND FOR ALL CIRCUITS LEAVING THE BUILDING.
15. ALL DEVICES NEEDED FOR A COMPLETE AND WORKING FIRE ALARM SYSTEM ARE NOT SHOWN ON THESE CONCEPT DRAWINGS. PROVIDE EQUIPMENT AS NECESSARY FOR A FULLY OPERATIONAL SYSTEM.

INSTALLATION REQUIREMENT NOTES:

16. THE INSTALLING CONTRACTOR SHALL CONTRACT WITH A SINGLE SOURCE FOR SUPPLYING JOB MATERIALS, SERVICES, AND PROGRAMMING, INCLUDING FINAL INSPECTION/TEST SERVICES AND FM AND UL LISTING FOR THE COMPLETED FIRE ALARM SYSTEM.
17. EACH COMPONENT OF THE FIRE ALARM SYSTEM SHALL BE LISTED FOR THE INTENDED USE BY UNDERWRITERS LABORATORIES, INC. (UL) AND SHALL BEAR THE "UL" LABEL.
18. THE INSTALLATION OF ALL FIRE ALARM INITIATING DEVICES, NOTIFICATION APPLIANCES, AND EQUIPMENT SHALL CONFORM TO NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE.
19. DEVICE LOCATIONS SHALL BE AS SHOWN ON DRAWINGS.
20. EXISTING SURFACE MOUNT RACEWAY AND BACK BOXES IN LIVING AREAS SHALL BE REUSED IN ORDER TO AVOID DISTURBANCE OF THE HISTORIC FABRIC.
21. ALL WIRING, CABLES, BOXES, TROUGHS AND OTHER RELATED EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH NFPA 70, NATIONAL ELECTRICAL CODE (NEC).
22. ALL WIRING, RACEWAYS, CONDUITS AND BOXES FOR NEW AND RELOCATED DEVICES SHALL BE NEW. PROVIDE A PERMANENT LABEL FOR EACH WIRE/CIRCUIT (WITHIN ALL PANELS, CABINETS AND JUNCTION BOXES) INDICATING ITS APPLICATION/USE/SERVICE.
23. FIRE ALARM CIRCUITS SHALL BE WIRED USING TYPE FPLP CABLE.
24. EXPOSED WIRING SHALL NOT BE PERMITTED IN AEAS OTHER THAN THE BASEMENT. USE OF NEW SURFACE MOUNT RACEWAY SHALL BE APPROVED BY NPS PRIOR TO INSTALLATION.
25. SPLICES SHALL BE MADE ONLY AT INITIATING DEVICES, NOTIFICATION APPLIANCES, AND EQUIPMENT.
26. FIELD PAINT NEW JUNCTION BOXES, TERMINAL CABINETS, BACK BOXES AND COVERS WITH RED PAINT ON ALL SURFACES. ALL TERMINAL CABINETS AND JUNCTION BOXES SHALL BE LABELED WITH WHITE LETTERS INDICATING "FIRE ALARM" AS REQUIRED BY CODE.
27. ALL SYSTEM POWER AND GROUND CIRCUITS SHALL BE TYPE "THHN" SOLID COPPER SIZED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, APPLICABLE CODES.
28. VISIBLE AND COMBINATION AUDIBLE/VISIBLE ALARM NOTIFICATION APPLIANCES SHALL BE MOUNTED AT A MINIMUM OF 80-INCHES AND MAXIMUM OF 96-INCHES ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE LENS, OR 6-INCHES BELOW THE CEILING MEASURED TO THE TOP OF THE LENS (WHICH EVER IS LOWER).
29. INSTALLATION AND TERMINATIONS OF ALL WIRE SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
30. SIGNALING LINE CIRCUITS SHALL BE CLASS B.
31. NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B.
32. INITIATING DEVICE CIRCUITS SHALL BE CLASS B.

APPLICABLE CODES AND STANDARDS:

VIRGINIA UNIFORM STATEWIDE BUILDING CODE, 2012 EDITION

INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION

INTERNATIONAL FIRE CODE (IFC), 2012 EDITION (AS REFERENCED BY IBC)

















NFPA 70, NATIONAL ELECTRICAL CODE, 2008 EDITION.

NFPA 72, NATIONAL FIRE ALARM CODE, 2010 EDITION.

NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2010 EDITION.

SCOPE:

DEMOLISH EXISTING SYSTEM. TO INCLUDE THE GARAGE AREAS. DO NOT REMOVE EXISTING SURFACE MOUNT RACEWAY AND BACK BOXES IN LIVING AREAS WITHOUT NPS PERMISSION. PROVIDE COMPLETE, NEW ADDRESSABLE FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.

FIRE ALARM SYMBOLS	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL UNIT
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM TRANSMITTER
	POWER EXPANDER PANEL
	FIRE ALARM TERMINAL CABINET
	MANUAL STATION
	HEAT DETECTOR
	SMOKE DETECTOR
	ADDRESS INPUT MONITOR MODULE
	SPRINKLER FLOW
	VALVE SUPERVISORY
	CEILING STROBE
	WALL MOUNT STROBE
	HORN / STROBE
	RJ-31X TELEPHONE JACKS
	BELL

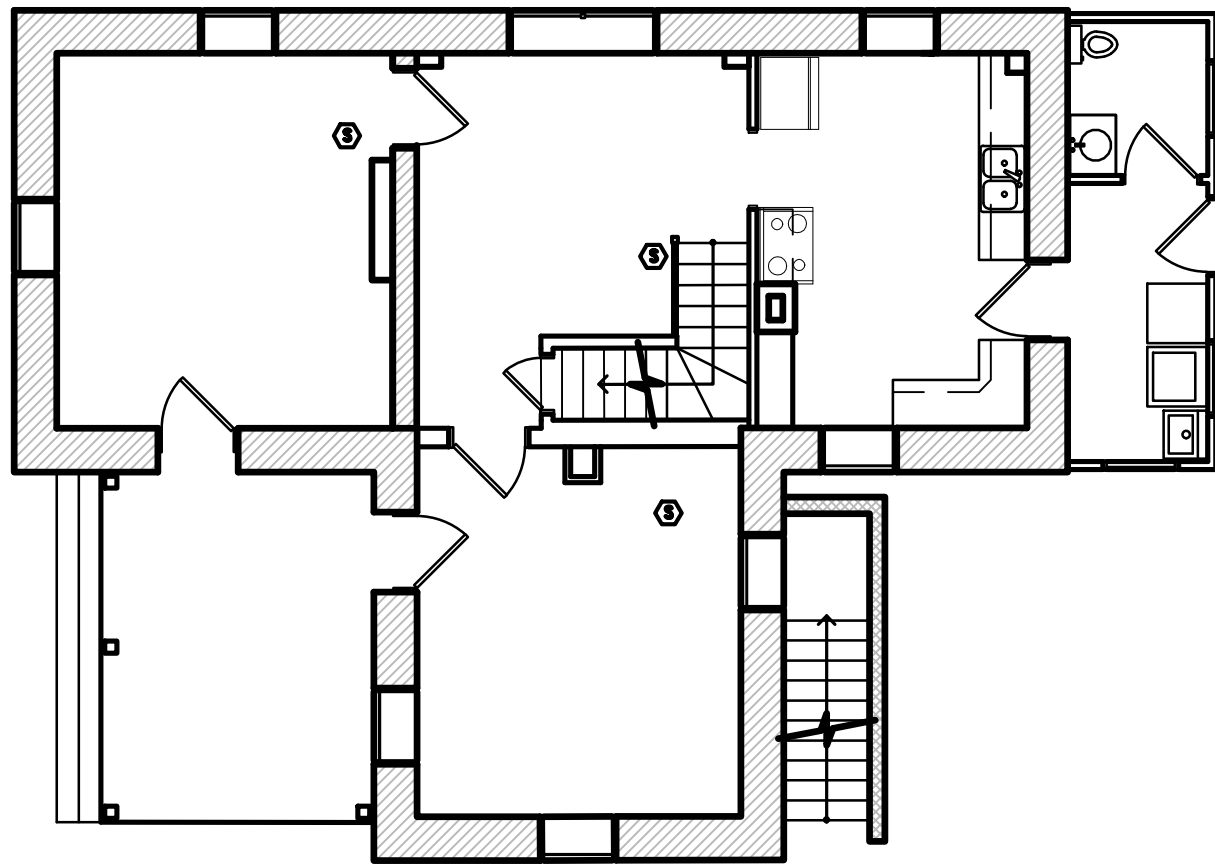
SB DENOTES SOUNDER BASE SMOKE DETECTOR

GOVERNING PARTY

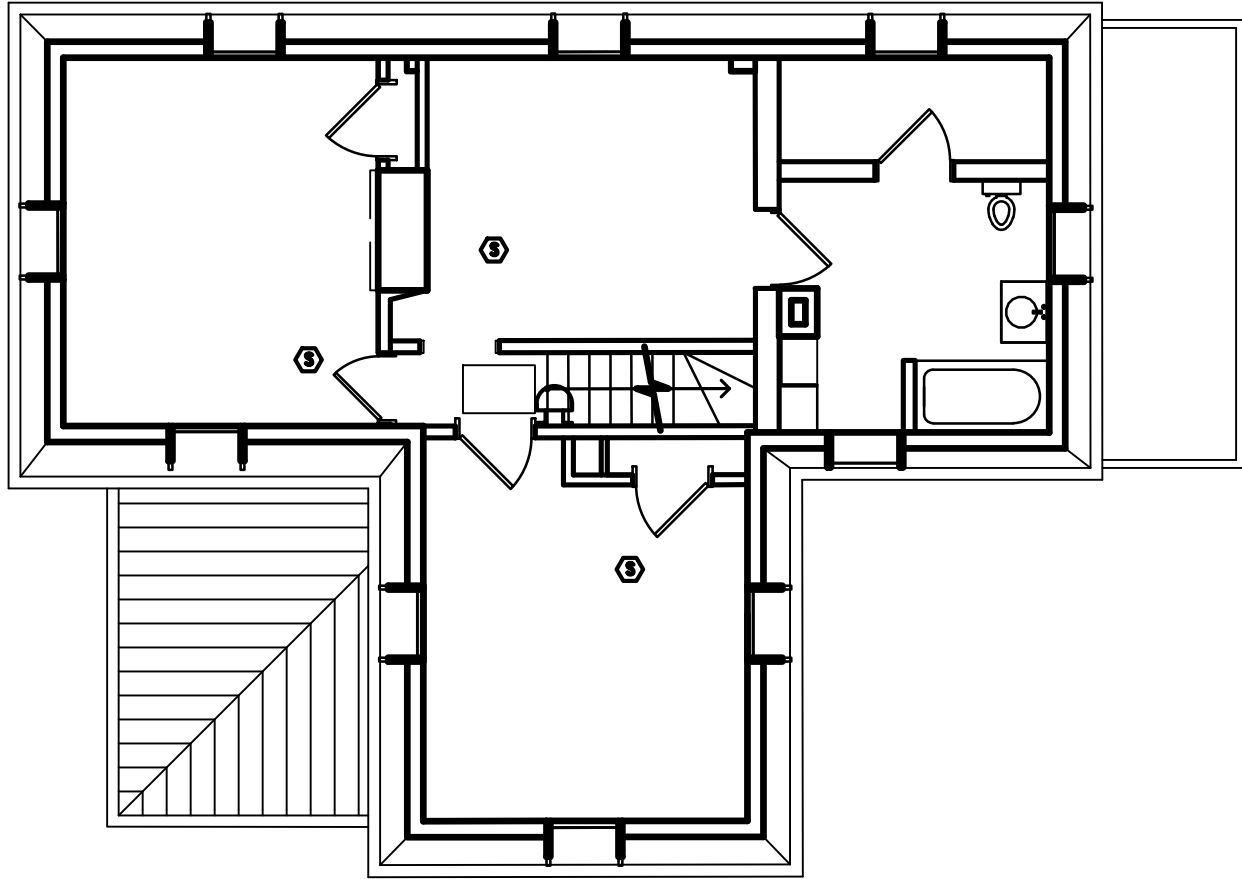
AUTHORITY HAVING JURISDICTION (AHJ) IS THE NATIONAL PARK SERVICE,
NORTHEAST REGION STRUCTURAL FIRE MANAGER OR THEIR DESIGNEE

EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: CW 	SUB SHEET NO. F4	TITLE OF SHEET FIRE ALARM GENERAL NOTES FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA		DRAWING NO. XXX XX,XXX
	TECH. REVIEW: CW				PKG. NO. XXX
	MB DATE: 08/24/2016				SHEET <div>15</div>
					OF 18

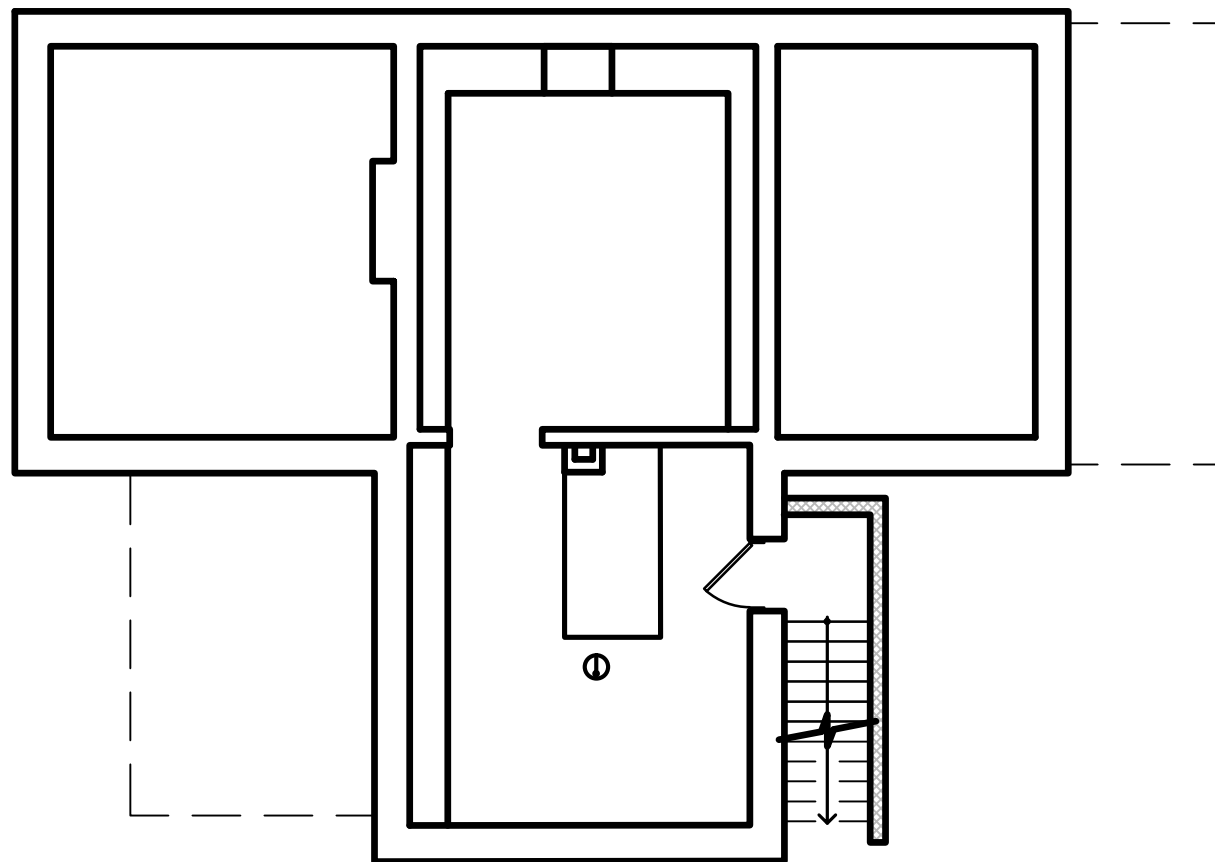
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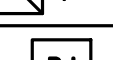

FIRST FLOOR DEMO PLAN



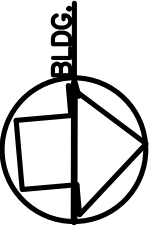
SECOND FLOOR DEMO PLAN



BASEMENT DEMO PLAN

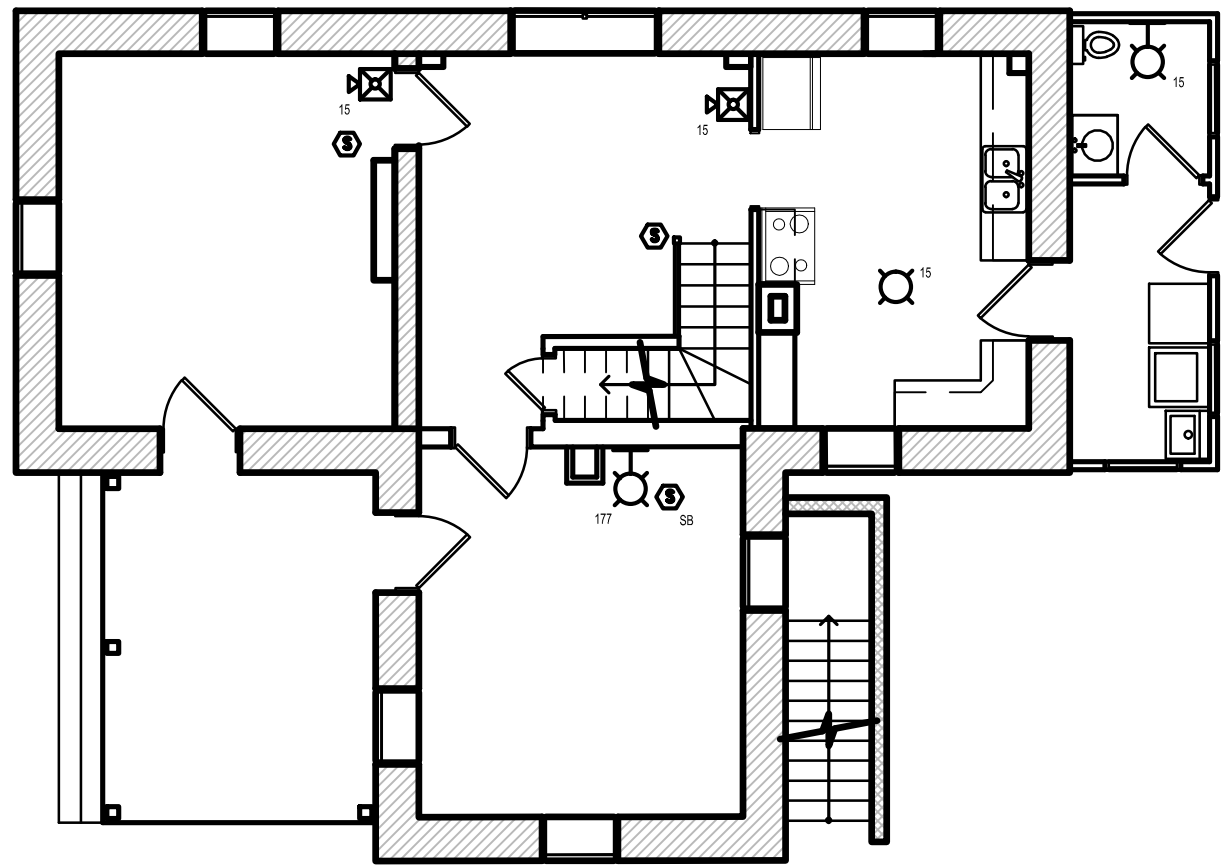
FIRE ALARM SYMBOLS	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL UNIT
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM TRANSMITTER
	POWER EXPANDER PANEL
	FIRE ALARM TERMINAL CABINET
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	SPRINKLER FLOW
	VALVE SUPERVISORY
	CEILING STROBE
	WALL MOUNT STROBE
	HORN / STROBE
	RJ-31X TELEPHONE JACKS
	BELL

SB DENOTES SOUNDER BASE SMOKE DETECTOR

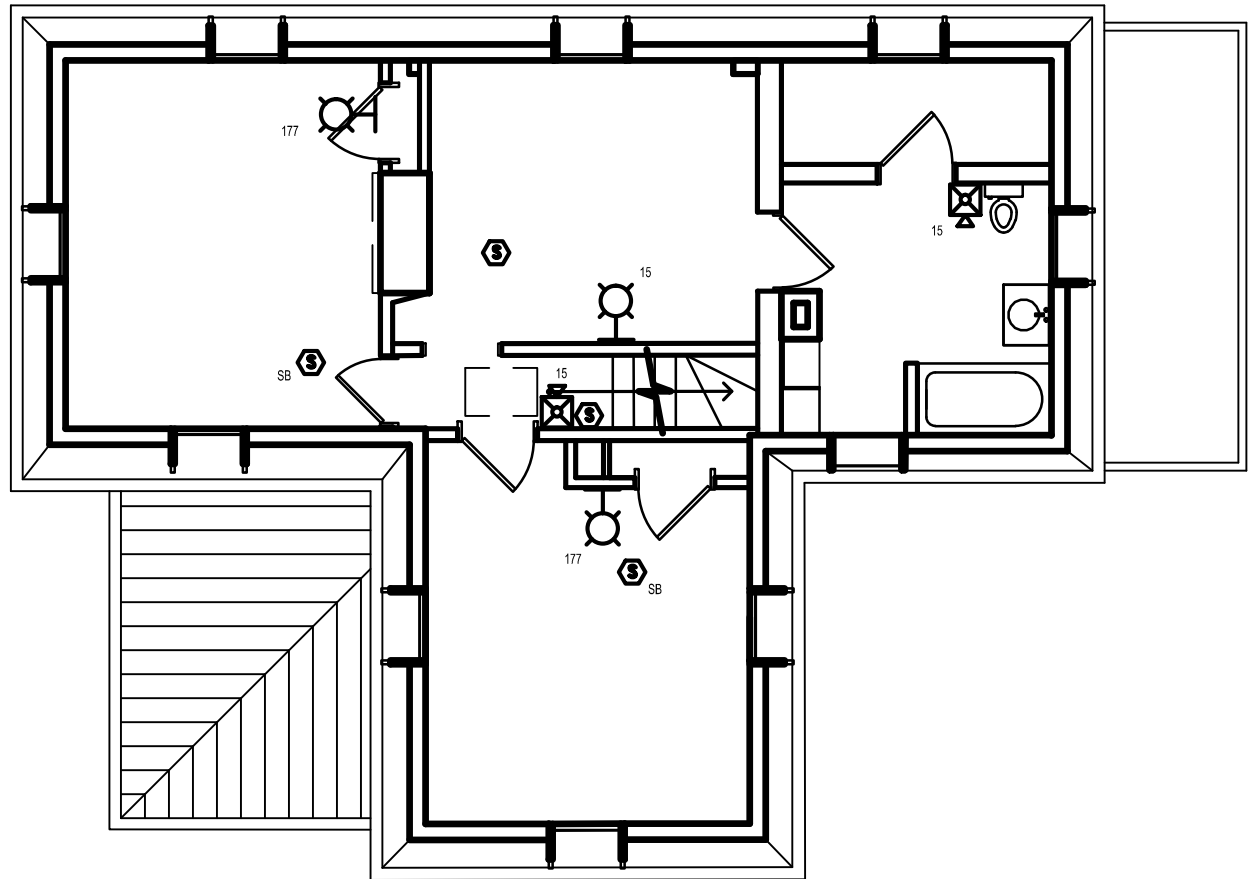


EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED: CW GA	SUB SHEET NO. F5	TITLE OF SHEET FIRE ALARM DEMO PLANS FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA	DRAWING NO. XXX XX,XXX	
	TECH. REVIEW: CW MB DATE: 08/24/2016			PKG. NO. XXX	SHEET 16 OF 18

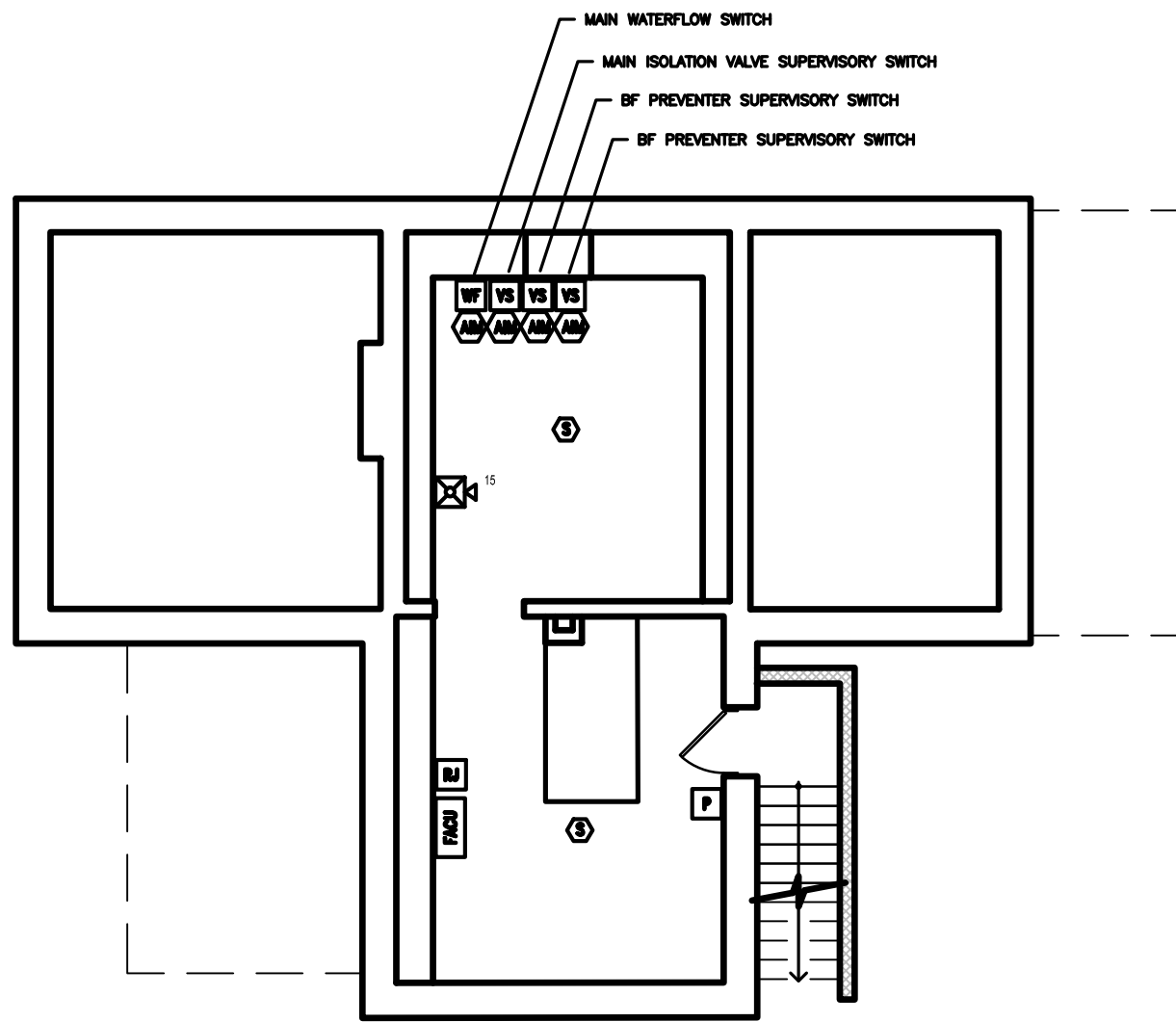
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FIRST FLOOR PLAN



SECOND FLOOR PLAN



BASEMENT PLAN

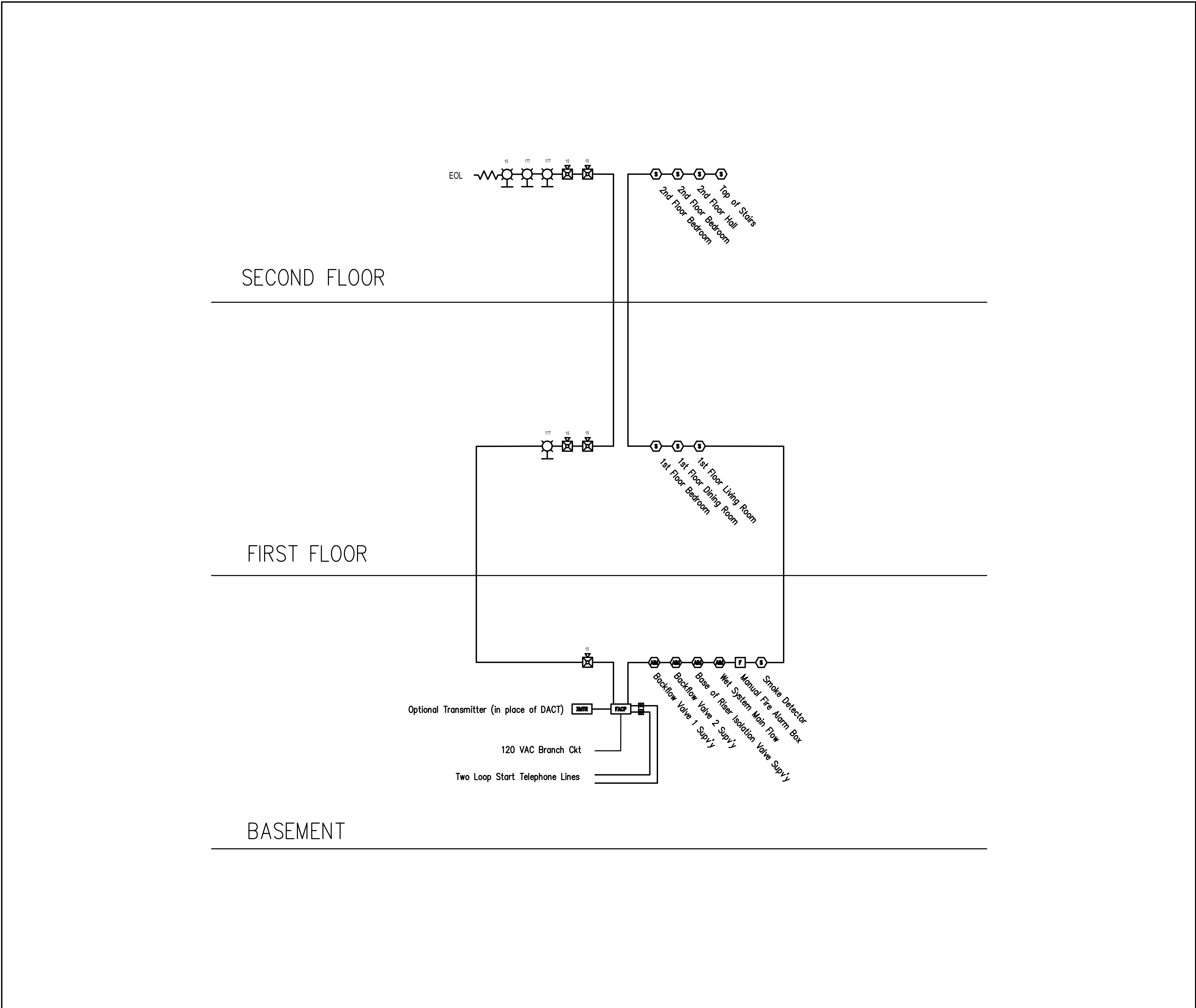
FIRE ALARM SYMBOLS	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL UNIT
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM TRANSMITTER
	POWER EXPANDER PANEL
	FIRE ALARM TERMINAL CABINET
	MANUAL STATION
	HEAT DETECTOR
	SMOKE DETECTOR
	ADDRESS INPUT MONITOR MODULE
	SPRINKLER FLOW
	VALVE SUPERVISORY
	CEILING STROBE
	WALL MOUNT STROBE
	HORN / STROBE
	RJ-31X TELEPHONE JACKS
	BELL

SB DENOTES SOUNDER BASE SMOKE DETECTOR



EYP Inc.	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.	
1000	CW			XXX	
POTOMAC	EXD			XX,XXX	
STREET NW,	CW			PKG. NO.	SHEET
WASHINGTON,	TECH. REVIEW:	XXX	17		
DC 20007	MB				
	DATE:				
	08/24/2016				
		F6	FIRE ALARM		
			NEW WORK		
			FREDERICKSBURG AND SPOTSYLVANIA NMP		
		FREDERICKSBURG, VA			

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FIRE ALARM SYMBOLS	
SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL UNIT
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM TRANSMITTER
	POWER EXPANDER PANEL
	FIRE ALARM TERMINAL CABINET
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	SPRINKLER FLOW
	VALVE SUPERVISORY
	CEILING STROBE
	WALL MOUNT STROBE
	HORN / STROBE
	RJ-31X TELEPHONE JACKS
	BELL

SB DENOTES SOUNDER BASE SMOKE DETECTOR



EYP Inc. 1000 POTOMAC STREET NW, WASHINGTON, DC 20007	DESIGNED:	SUB SHEET NO. F7	TITLE OF SHEET FIRE ALARM RISER FREDERICKSBURG AND SPOTSYLVANIA NMP FREDERICKSBURG, VA	DRAWING NO. XXX XX,XXX	
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	EXD				
	CW				
	TECH. REVIEW:				
MB	DATE: 08/24/2016				