

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT EXIST DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

HYDROSTATIC TEST

BUILDING SPRINKLER SYSTEM(S) INVOLVED IN THIS SCOPE OF WORK SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 13. MOREOVER, THE FOLLOWING TWO (2) HYDROSTATIC TESTS SHALL BE PERFORMED BY THE CONTRACTOR:

1. THE FIRST HYDROSTATIC TEST SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO START OF SPRINKLER SYSTEM SCOPE OF WORK ("PRE-SCOPE HYDRO TEST")
2. THE SECOND HYDROSTATIC TEST SHALL BE PERFORMED BY THE CONTRACTOR AFTER COMPLETION OF CONTRACT SCOPE OF WORK ("POST-SCOPE HYDRO TEST")

THE HYDROSTATIC TESTS ON EXISTING SPRINKLER SYSTEM SHALL BE CONDUCTED AT A PRESSURE OF 150 PSI FOR 2 HOURS. NEW PIPING SHALL BE TESTED PER PRESSURE REQUIREMENTS OF NFPA 13.

THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR DAMAGE TO CONTENTS OR BUILDING OCCURRING THE "PRE-SCOPE HYDRO TEST" PROVIDED CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TAKING ALL COMMERCIALLY REASONABLE MEASURES NECESSARY OR PRUDENT TO PROTECT CONTENTS OR BUILDING COMPONENTS WAS FOLLOWED FOR APPROPRIATE TEST PROCESS. CONTRACTOR SHALL COMPLETE REPAIRS AND / OR REMEDIATION TO EXISTING SYSTEMS REQUIRED AS A RESULT OF DEFICIENCIES IDENTIFIED DURING PRE-SCOPE TESTING AS AN ADDITIONAL SERVICE. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DAMAGE TO CONTENTS OR BUILDING OCCURRING DURING THE "POST-SCOPE HYDRO TEST" PROCEDURE ORIGINATING IN EXISTING OR NEW SYSTEM COMPONENTS. CONTRACTOR SHALL COMPLETE REPAIRS AND / OR REMEDIATION TO EXISTING SYSTEMS REQUIRED AS A RESULT OF DEFICIENCIES IDENTIFIED DURING POST-SCOPE TESTING AT NO ADDITIONAL COST TO OWNER. WHEN CONDUCTING HYDROSTATIC TESTS ON EXISTING SYSTEMS AS REQUIRED BY NFPA 13, CONTRACTOR SHALL TAKE SUCH ACTIONS AS MAY BE NECESSARY TO REDUCE POTENTIAL DAMAGE TO CONTENTS AND BUILDING DURING EXECUTION OF SCOPE OF WORK, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. USE OF LOW CAPACITY PRESSURE PUMP TO INCREASE PRESSURE IN SYSTEM AT INCREMENTAL RATE TO LIMIT SURGES IN SYSTEMS
2. PROVISION OF WORK STAFF DEDICATED TO MONITORING THE IMPACTED SYSTEM AREA DURING PRESSURE APPLICATION AND DURING HYDROSTATIC TEST FOR SIGNS OF SYSTEM COMPRESSURE (MINIMUM 1 PERSON / 10,000 SQ FT AREA)
3. MAINTAINING DEDICATED PERSON AT SYSTEM CONTROL VALVE IN CONSTANT COMMUNICATION WITH SYSTEM MONITORS TO SHUT OFF TEST PUMP AND DRAIN SYSTEMS IN EVENT OF SYSTEM FAILURE OR LEAK
4. PROVISION OF READY SUPPLIES PRIOR TO START OF TESTING TO FACILITATE DAMAGE MINIMIZATION IN EVENT OF SYSTEM FAILURE (TARPS / PLASTIC SHEETING / WET / DRY VACUUM, ETC.)
5. COVERING HIGH VALVE EQUIPMENT PRIOR TO TESTING
6. LIMITATION OF TESTING TO ONE SYSTEM AT A TIME
7. TESTING OF SYSTEMS DURING OFF HOURS / OVERNIGHT

PROTECTION CRITERIA

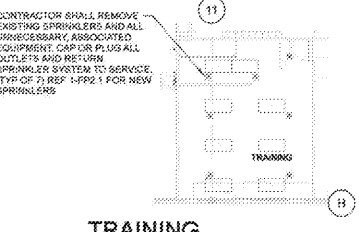
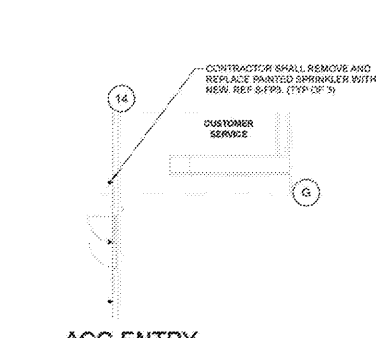
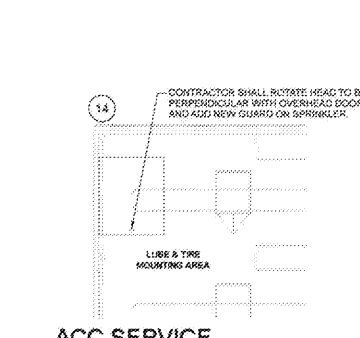
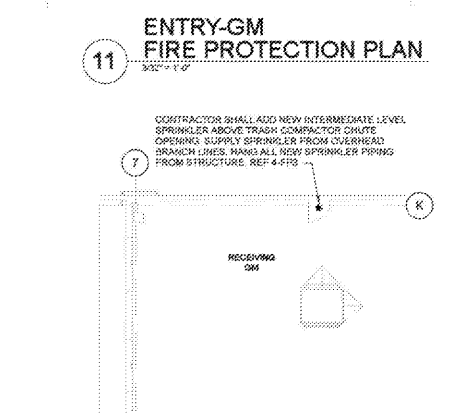
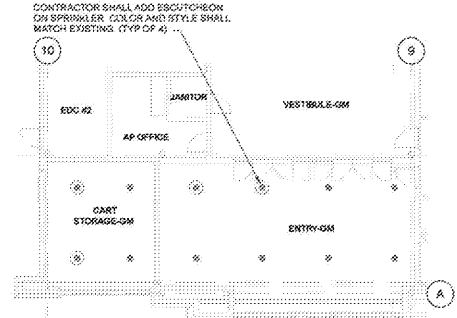
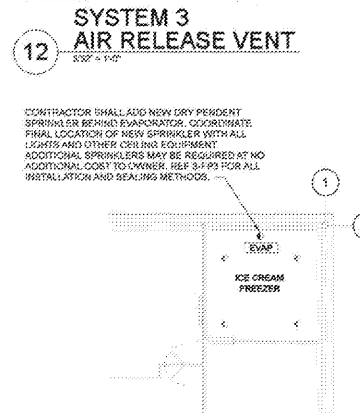
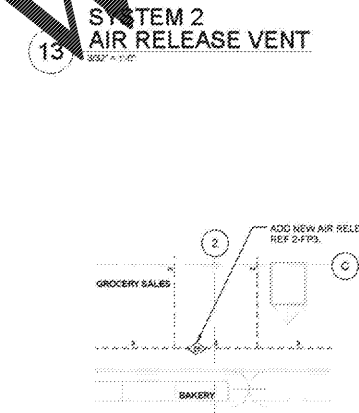
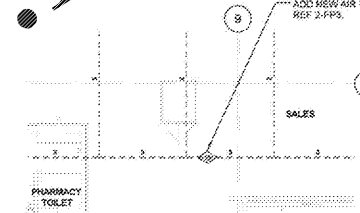
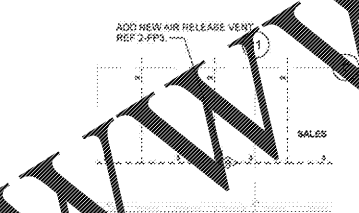
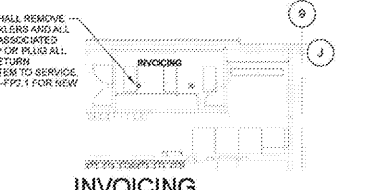
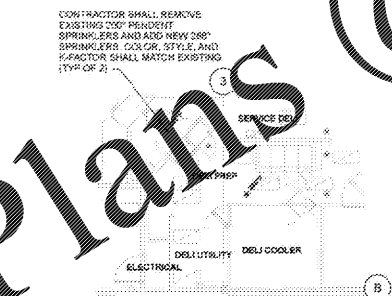
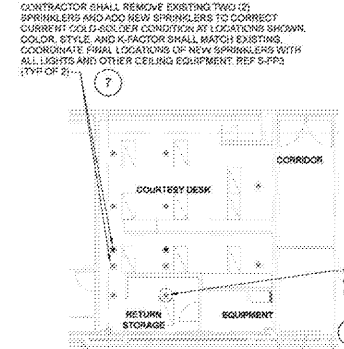
OCCUPANCY CLASSIFICATION	DENSITY	HOSE (GPM)	MAXIMUM SPACING (SQ FT)	DESIGN BASIS
CORRIDORS/TENANT SPACES/GROcery PREP/COFFEE/ MISCELLANEOUS STORAGE	0.20/1500 SQ FT	250	130	EXISTING DESIGN DENSITY
COOLERS/FREEZERS (MISCELLANEOUS STORAGE)	MINIMUM 0.20/1500 SQ FT OR ENTIRE AREA	250	130	EXISTING DESIGN DENSITY

FIRE SPRINKLER SYMBOL LEGEND

TOTAL NEW SPRINKLERS REQUIRED		CONTRACTOR PROVIDED FIRE SPRINKLERS		TOTAL ENTIRE BUILDING	
SYMBOL	DESCRIPTION	SIZE	K-FACTOR	TEMP	STYLE
---	EXISTING SPRINKLER PIPE	3/4"	TYCO	TY-B	TY1415
---	NEW SPRINKLER PIPE	3/4"	TYCO	TY-FRB	TY1415
---	HYDRAULIC REFERENCE POINT REFER TO DESIGN DRAWINGS FOR EXACT LOCATIONS	1/2"	TYCO	TY-FRB	TY1415
---	NEW INSPECTOR'S TEST/ADJUTANTARY GRAM	1/2"	TYCO	TY-B	TY1415
---	AIR RELEASE VENT	1"	TYCO	DS-1	TY1386
---	CONTRACTOR SHALL VERIFY ALL SPRINKLER K-FACTORS, MAKES, MODELS AND FINISHES. ALL NEW SPRINKLERS SHOULD MATCH EXISTING SPRINKLERS OF THE SAME TYPE.	1"	TYCO	DS-G	TY1386
---	EXISTING FIRE SPRINKLERS TO REMAIN (UNLESS NOTED OTHERWISE) CONTRACTOR SHALL FIELD VERIFY	3/4"	TYCO	---	---
---	EXISTING FIRE SPRINKLERS TO BE REMOVED CONTRACTOR SHALL FIELD VERIFY	---	---	---	---
---	FIRE SPRINKLERS CALLED OUT TO "MATCH EXISTING" THE CONTRACTOR SHALL PROVIDE NEW SPRINKLERS THAT ARE IDENTICAL TO THE EXISTING TO REMAIN UNLESS SUBSTITUTIONS WILL NOT BE PERMITTED.	---	---	---	---
---	USE OF SALES FLOOR TYPE SPRINKLERS (4) DRY PENDENT SPRINKLERS AND (2) OF EACH OTHER TYPES SPRINKLERS ARE PRESENT IN SPRINKLER CABINETS IN SPRINKLER ROOM. PROVIDE ADDITIONAL SPRINKLERS IN SPRINKLER CABINETS AS REQUIRED.	---	---	---	---

ABBREVIATIONS

TYP	TYPICAL	ELL	ELBOW
REF	REFER	CMU	CONCRETE MASONRY UNITS
EVAP	EVAPORATOR	GPM	GALLONS PER MINUTE
AMU	AIR HANDLING UNIT	PSI	POUNDS PER SQUARE INCH
RTU	ROOF TOP UNIT	MIN	MINIMUM
RC	RECORDING COUPLING	MAX	MAXIMUM
BSH	BASE OF SHIELD	MESH	MECHANICAL
PLS	FLANGE OR PLANGED	HP	HORSE POWER
GRV	GROUND	CONT'D	CONTINUED



Walmart
FAYETTEVILLE, NC

JAMES ROY SPRINKLING
ENLARGED FIRE PROTECTION PLANS
SHEET FP2

CHECKED BY: JAW
DRAWN BY: DJD
PROTOS CHECKED: 06/28/2016
DOCUMENT DATE: 04/13/2016

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF ARCHITECT ARE NOT FOR CONSTRUCTION

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