To: Prospective Offerors

Date: October 2nd, 2026

From: Michael Bradbury, Issuing Officer
Iowa Department of Administrative Services-Central Procurement
Phone 515-823-9327: e-mail: construction.procurement@das.iowa.gov

RE: **Addendum No. 2**, to Design RFP954600-01, ATOD Server Room Pre-Action Clean Agent System

The following additions, changes, and clarifications are hereby made by this Addendum.

Revisions to original scope:

1) No Items

Addition to original scope:

1) No Items

Questions:

1) Is the wet sprinkler system staying?
    a. Yes. The intent is to keep the wet system operational as a source of supplemental suppression in an instance that the clean agent system isn't sufficient in stopping/containing the fire.
2) Is there a preference on how the clean agent system is implemented? (i.e. double interlock with wet system, etc.)
    a. No preference. Looking for counsel on best application subjective to the server room space and existing wet system.
3) Are there any desires to implement additional preventative/precautionary measures? (i.e. air sampling system, etc.)
    a. No additional desires were mentioned or discussed but if deemed necessary the facility is open to hearing out applicable options & the justification/reasoning behind why said system/measure would be applicable &/or practical.
4) Should it be assumed that the clean agent system will be on a separate piping network?
    a. Yes this should be assumed or if the intent is to combine this should be outlined in the proposal with reasoning/logic.
5) Is there a specific agent desired?
    a. No. Looking for counsel on best application subjective to the server room space and existing wet system.
6) Should it be assumed that a pre-action system should also be implemented to mitigate accidental discharge?
    a. Yes the facility would like a pre-action system implemented into the design & installation.

7) Should there be consideration to protect the plenum & miscellaneous components housed under the access floor?
    a. Yes the facility would like this area to also be accounted for.
8) Is the server room housing the main fire alarm panel? Are there any annunciators?
    a. Yes the main fire alarm panel is housed in this same server room. Yes there are 3 annunciators housed at the 3 main entrances to the building.
9) Is there any existing documentation that can be utilized for modeling, tracing, etc?
    a. What is available for existing as builts and miscellaneous documentation relevant for this project will be provided.
10) Do the adjacent walls go up to the roof deck?
    a. No. The adjacent walls stop roughly 6" above the ACT ceiling. The server room, adjacent storage closet & adjacent room 215 would be considered an open space above the ACT ceiling. See the updated drawing depicting this information as an attachment.

Additional Clarifications:

1) No Items

Attachments:

1) See sign in sheet below:
2) See existing documentation below:
3) See updated server room space & information about adjacent walls below:

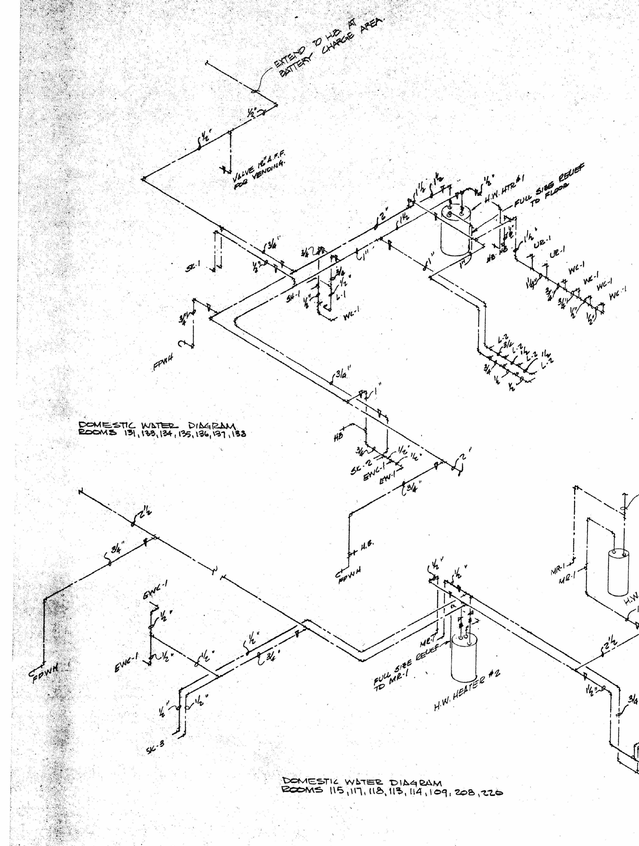
Please acknowledge this Addendum #2 in your proposals. Thank You

End of Addendum

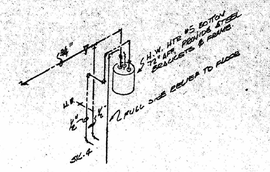
Samuels Group
Design
Construct
Furnish

PROJECT NAME: ATOD SERVER ROOM PRE-ACTION CLEAN AGENT SYSTEM
MEETING LOCATION: 1918 SE HULSIZER RD, ANKENY, IA 50021
MEETING TYPE: PRE-PROPOSAL MEETING #1
DATE AND TIME: 09/30/2026 – 01:00PM

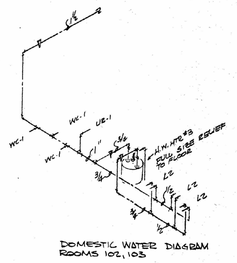
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DOMESTIC WATER DIAGRAM
ROOMS 151, 153, 154, 155, 156, 157, 158

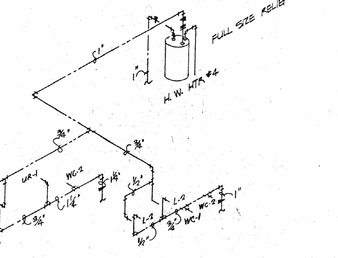


DOMESTIC WATER DIAGRAM
ROOMS 130, 131

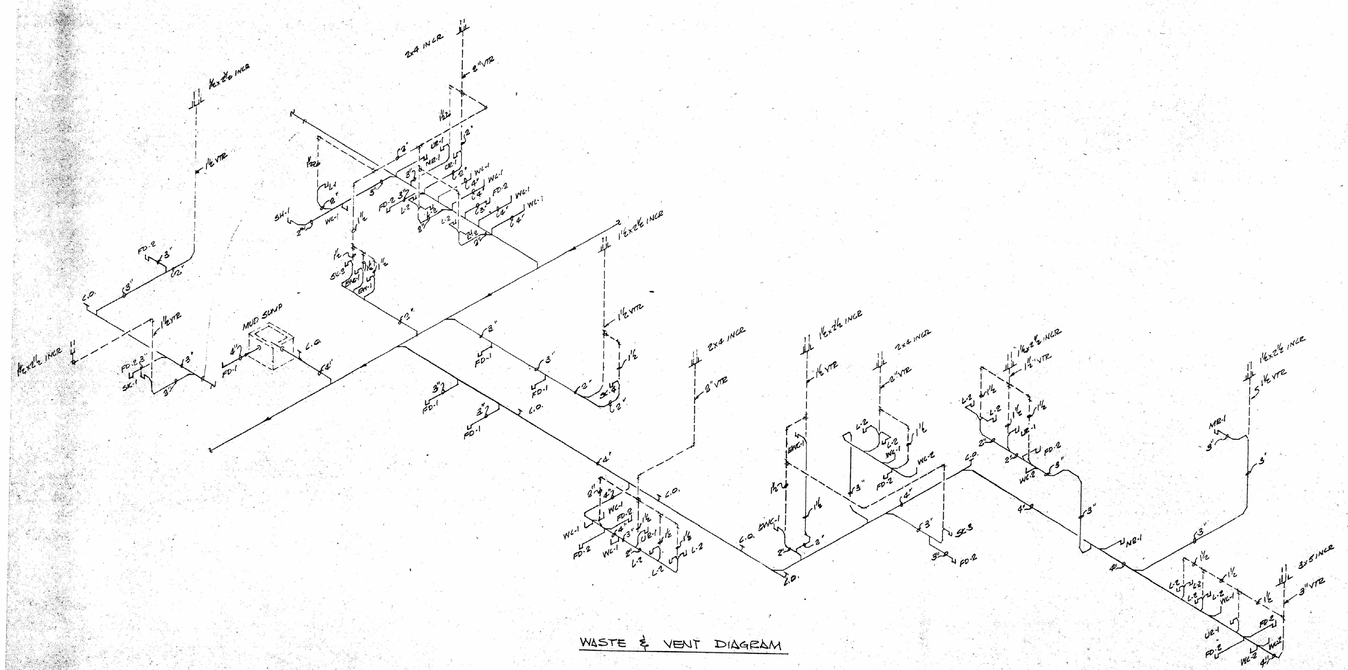


DOMESTIC WATER DIAGRAM
ROOMS 102, 103

DOMESTIC WATER DIAGRAM
ROOMS 115, 117, 118, 113, 114, 109, 208, 226



DOMESTIC WATER DIAGRAM
ROOMS 214 & 217



WASTE & VENT DIAGRAM

POWER ROOF VENTILATORS

UNIT NO.	1
MANUFACTURER	LOREN COOK
MFGR. NUMBER	18C4B
CFM	2509
MOTOR, H.P.	1/3
MOTOR FLA	7.2 @ 120/1/60
CURB SIZE, IN.	21 x 21
0' BLL HT, ABOVE CURB, IN.	23"

THRU WALL AIR CONDITIONING UNITS

UNIT NO.	1
MANUFACTURER	FEDDERS
MFGR. NUMBER	CME 009 B7A
COOL CAPACITY, BTUH	9000
HEAT CAPACITY, BTUH	5500
SIZE, H X W X D	16" X 48" X 19"
WEIGHT, LBS.	170
FLA AT 208/1/60	8.3
MTG. HEIGHT, F.F. TO BOTM.	12"
INSTALLATION SLEEVE REQ'D?	YES
CONTROL	INTEGRAL PANEL

MAKEUP AIR UNITS DIRECT GAS FIRED

UNIT NO.	1, 2, 3, 4
MANUFACTURER	WEATHER RITE
MFGR. NUMBER	TOT 218
CFM @ 3/4 S.P.	15000
NAT. GAS INPUT, MBH	1134
HEAT OUTPUT, MBH	1134
AIR TEMP. RISE	70° F
BLOWER MOTOR, H.P.	5
BLOWER MOTOR FLA	16 @ 208/3/60
GAS CONN. SIZE, IN.	1
GAS SUPPLY PRESSURE, PSIG	1-2
SIZE, H X W X L	51" × 72" × 154"
WEIGHT, LBS.	1600
MOUNTING HEIGHT, F.F. TO BOTM.	19'
CONTROL	REMOTE PANEL, SEE SPECIFICATIONS

GAS FIRED UNIT HEATERS

UNIT NO.	1 THRU 12	13, 14, 21, 22, 23	15, 16, 17, 18
MANUFACTURER	REZNOR	REZNOR	REZNOR
MFGR. NUMBER	XD 150	UA 35.1	UA 100.1
CFM	1390	520	1120
NAT. GAS INPUT, MBH	150	35	100
HEAT OUTPUT, MBH	120	28	80
BLOWER MOTOR, H.P.	3/4	1/83	1/20
BLOWER MOTOR FLA	2.6 @ 208/3/60	0.6 @ 120/1/60	2.55 @ 120/1/60
MTG. HEIGHT, F.F. TO BOTM.	18'	10'	16'
AIR THROW, TWO WAY	40'	--	--
SIZE, H X W X D	42" X 27" X 65"	24" X 16" X 24"	24" X 24" X 25"
WEIGHT, LBS.	464	90	125
GAS CONN. SIZE, IN.	1/2"	1/2"	1/2"
GAS SUPPLY PRESSURE, PSIG	1-2	1-2	1-2
VENT SIZE, IN.	8" OVAL	4" ROUND	6" OVAL
CONTROL	T'STAT 48" A.F.F.	T'STAT AT UNIT	T'STAT 48" A.F.F.

INFARED (IFR) HEATING EQUIPMENT (MODEL NO'S ARE ROBERTS GORDON "CO RAY VAC")

BURNER ASSEMBLY NUMBER	1 THRU 16
BURNER MODEL NUMBER	CRV 4-40
NATURAL GAS INPUT, MBH	40
GAS SUPPLY PRESSURE, PSIG	1-2
FULL LOAD AMPS, RUNNING	0.50 @ 120/1/60
VACUUM PUMP ASSEMBLY NUMBER	1 THRU 5
VACUUM PUMP MODEL NUMBER	1.3-113
FULL LOAD AMPS, RUNNING	9.8 @ 120/1/60
RADIANT LINE DIAMETER, IN.	2-1/2
TAIL PIPE DIAMETER, IN.	4
CONTROL	T'STAT. 48" A.F.F.
MOUNTING HEIGHT	16' A.F.F.

WALL EXHAUSTERS

UNIT NO.	1, 2	3
MANUFACTURER	LOREN COOK	LOREN COOK
MFGR. NUMBER	48S510B	24S54B
CFM	3(1402/16000 FREE AIR	4916 @ 1/8"
MOTOR, H.P.	3(SINGLE WINDING, 2 SPEED	1/3
MOTOR FLA	11 @ 208/3/60	7.9 @ 120/1/60
FAN DIAMETER	48"	24"
SIZE, H X W X D	54" x 54" x 27"	30" x 30" x 20"
WEIGHT, LBS	280	
MOUNTING HEIGHT, F.F. TO BOTM	72"	48"
CONTROL	SEE SPECIFICATIONS	LOCAL SWITCH
GRAVITY SHUTTER?	YES	YES
BELT/FAN GUARD	YES	YES
	NOTE: REQUIRES SPECIAL STARTER DUE TO SINGLE WINDING MOTOR	

FIRE PROTECTION HOSE CABINETS

CABINET NUMBER	1 THRU 13
MANUFACTURER	ALLEN CO.
MFGR. NUMBER	7169 W
VALVE/SUPPLY LINE SIZE, IN.	2-1/2
HOSE LENGTH	100'
DOOR TYPE	B (BREAK GLASS LATCH)
IDENTIFICATION	"FIRE HOSE"
CABINET SIZE, H X W X D, IN.	29" X 30" X 8"
MOUNTING	SURFACE
MOUNTING HEIGHT	BOTTOM 48" A.F.F.
FIRE EXTINGUISHER SIZE	10 LBS. (PROVIDED UNDER SPEC. SECT. 10.25)
FIRE EXTINGUISHER RATING	CLASS A, B, C

ILDC

REGISTERED ARCHITECT 1668

17 JUNE 1980

Engelbrecht & Griffin Architects, P.C. • 525 Sixth Avenue Des Moines, Iowa 50309 • (515) 243-1800
Iowa Beer & Liquor Control Dept. • State Office Building 300 Fourth Street Des Moines, Iowa 50319 • (515) 281-5101

PLUMBING ISOMETRICS SCHEDULES

MP-5

SYMBOL LEGEND

HVAC PIPING

- LPS — LOW PRESSURE STEAM
- LPR — LOW PRESSURE RETURN
- MPS — MEDIUM PRESSURE STEAM
- MPR — MEDIUM PRESSURE RETURN
- HPS — HIGH PRESSURE STEAM
- HPR — HIGH PRESSURE RETURN
- PC — PUMPED CONDENSATE
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- HPWS — HEAT PUMP WATER SUPPLY
- HPWR — HEAT PUMP WATER RETURN
- GHWS — GLYCOL HOT WATER SUPPLY
- GHWR — GLYCOL HOT WATER RETURN
- BBD — BOILER BLOW DOWN
- ES — EXHAUST STEAM
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- GCWS — GLYCOL CHILLED WATER SUPPLY
- GCWR — GLYCOL CHILLED WATER RETURN
- RL — REFRIGERANT LIQUID LINE
- RS — REFRIGERANT SUCTION LINE
- RDL — REFRIGERANT DISCHARGE
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- HCWS — HOTCHILLED WATER SUPPLY
- HCWR — HOTCHILLED WATER RETURN
- CD — CONDENSATE DRAIN
- G — NATURAL GAS
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- FOV — FUEL OIL VENT
- FOF — FUEL OIL FILL
- FOG — FUEL OIL GAGE
- LPG — LIQUEFIED PETROLEUM GAS

PLUMBING PIPING

- SANITARY DRAIN (ABOVE FLOOR)
- SANITARY DRAIN (BELOW FLOOR)
- ST/OST — STORM DRAIN
- ST/OST — STORM DRAIN (BELOW FLOOR)
- SANITARY VENT
- AW — ACID WASTE
- AV — ACID VENT
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RECIRCULATING (DHWR)
- TW — TEPID WATER
- TWR — TEPID WATER RECIRCULATING
- DSCW — SOFTENED COLD WATER
- DSHW — SOFTENED HOT WATER
- W — BURIED EXTERIOR WATER
- DS — DISTILLED WATER
- DI — DEIONIZED WATER
- RO — REVERSE OSMOSIS WATER
- A — COMPRESSED AIR
- VAC — VACUUM
- OX — OXYGEN
- N — NITROGEN
- WAGD — WASTE AND ANESTHETIC GAS DISPOSAL
- MA — MEDICAL AIR

FIRE PROTECTION

- D — SPRINKLER DRAIN
- F — FIRE SUPPRESSION PIPING
- FIRE DEPARTMENT CONNECTION
- FS — FLOW SWITCH
- TS — TAMPER SWITCH

VALVES

- MANUAL BALANCING VALVE
- ISOLATION VALVE
- CHECK VALVE
- CONTROL VALVE (2 WAY)
- CONTROL VALVE (3 WAY)
- AUTO FLOW CONTROL VALVE
- HOSE END DRAIN VALVE
- PRESSURE REDUCING VALVE
- SOLENOID VALVE
- TEMP & PRESS RELIEF (OR) SAFETY VALVE-STEAM
- THERMOSTATIC MIXING VALVE

PIPING SPECIALTIES AND FITTINGS

- CO — WCO — CLEANOUT / WALL CLEANOUT
- GCO — GRADE CLEANOUT
- DGCO — DOUBLE - GRADE CLEANOUT
- VTR — PLUMBING VENT THRU ROOF
- FD- — FLOOR DRAIN
- FS- — FLOOR SINK
- RD- — ROOF DRAIN
- ORD- — OVERFLOW ROOF DRAIN
- TRENCH DRAIN
- MH — MANHOLE
- O — OXYGEN OUTLET
- V — VACUUM OUTLET
- A — AIR OUTLET
- N — NITROGEN OUTLET
- WA — WASTE AND ANESTHETIC GAS DISPOSAL OUTLET
- MA — MEDICAL AIR OUTLET
- PIPE CAP
- ELBOW UP
- ELBOW DOWN
- TEE
- TEE UP
- TEE DOWN
- STRAINER
- UNION
- AV — AIR VENT
- FLEXIBLE PIPE CONNECTION
- EXPANSION JOINT
- PIPE ANCHOR
- PIPE GUIDE
- THERMOMETER
- PRESSURE GAUGE
- HB — HOSE BIBB
- RHY — ROOF HYDRANT
- WH — WALL HYDRANT
- STEAM TRAP

MISCELLANEOUS SYMBOLS

- DEMO / EXISTING — DEMO TO EXISTING CONNECTION
- NEW / EXISTING — NEW TO EXISTING CONNECTION

HVAC DUCTWORK AND SPECIALTIES

- 18x10 — RECT DUCT-1ST FIG IS SIDE SHOWN
- 18 Ø — ROUND DUCT
- 18/10 — FLAT OVAL DUCT-1ST FIG IS SIDE SHOWN
- ACOUSTICAL DUCT LINER

HVAC DUCTWORK AND SPECIALTIES (CONT.)

- FLEXIBLE DUCTWORK CONNECTION
- VOLUME DAMPER
- TURNING VANES
- HIGH EFFICIENCY TAKEOFF
- HIGH EFFICIENCY TAKOFF WITH VOLUME DAMPER
- SUPPLY AND FRESH AIR DUCT UP
- SUPPLY AND FRESH AIR DUCT DOWN
- RETURN DUCT UP
- RETURN DUCT DOWN
- EXHAUST DUCT UP
- EXHAUST DUCT DOWN
- ROUND DUCT UP / DOUBLE LINE PIPE
- ROUND DUCT DOWN / DOUBLE LINE PIPE
- SIZE/TYPE / FLOW — AIR TERMINAL (VERTICAL MOUNTING)
- SIZE/TYPE / FLOW — ROUND AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR SUPPLY AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR RETURN AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR EXHAUST AIR TERMINAL (HORIZONTAL MOUNTING)
- AFS — AIR FLOW STATION
- MOTORIZED DAMPER-PARALLEL BLADE
- MOTORIZED DAMPER-OPPOSED BLADE
- GRAVITY DAMPER
- F — FIRE DAMPER-HORIZ FIRE SEPARATION
- S — SMOKE DAMPER
- FS — FIRE/SMOKE DAMPER
- FLEXIBLE DUCT
- T — THERMOSTAT
- H — HUMIDISTAT
- T — TEMPERATURE SENSOR
- CO — CARBON MONOXIDE SENSOR
- CD — CARBON DIOXIDE SENSOR
- ND — NITROGEN DIOXIDE SENSOR
- SENSOR WITH GUARD

REFERENCE LEGEND

- **DUCT SIZE** — X"Ø DIAMETER; X"xX" WIDTH x HEIGHT; X"/X" WIDTH / HEIGHT
- **PIPE SIZE** — X" PIPE SIZE (DIAMETER)
- **PLUMBING FIXTURES** — XXX-1 PLUMBING FIXTURE DESIGNATION
- **ROOM / SPACE NUMBER** — ROOM NAME ROOM NAME DESIGNATION; 101 ROOM NUMBER DESIGNATION
- **EQUIPMENT NUMBER** — XX-1 EQUIPMENT NUMBER
- **REFERENCE DEMOLITION NOTE** — X DEMOLITION DESIGNATION
- **REFERENCE NOTE** — X REFERENCE DESIGNATION
- **PLAN DETAIL** — X DETAIL NUMBER; XXXX SHEET NUMBER
- **SECTION/ DETAIL** — SIM/OPP; X SECTION/DETAIL NUMBER; XXXX SHEET NUMBER; INDICATES DIRECTION OF VIEW
- **NEW COLUMN** — X LETTER/NUMBER INDICATES NEW COLUMN LINE
- **EXISTING COLUMN** — X LETTER/NUMBER INDICATES EXISTING COLUMN LINE
- **MATCHLINE** — AREA A / AREA B
- **LEVEL** — NAME; ELEVATION; LEVEL CALLOUT DESIGNATION; ELEVATION DESIGNATION
- **TITLE MARKER** — GRAPHIC AREA FOR DRAWING; 1 VIEW NAME; SCALE: 1/8" = 1'-0"; DRAWING/DETAIL NUMBER; TITLE; SCALE OF THE DRAWING
- **NORTH ARROW** — NORTH; PLAN NORTH; TRUE NORTH

ABBREVIATIONS

A	COMPRESSED AIR
AC	AIR COMPRESSOR
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AD	AIR DOOR
AFCV	AUTO FLOW CONTROL VALVE
AHU	AIR HANDLING UNIT
AMP	AMPERE
APD	AIR PRESSURE DROP
ARU	AIR ROTATION UNIT
AS	AIR SEPARATOR
ASHP	AIR SOURCE HEAT PUMP
AV	ACID VENT
AW	ACID WASTE
B	BOILER
BC	BLOWER COIL
BD	BIDET
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BLKG	BLOCKING
BLV	BALANCING VALVE
BT	BATHTUB
BV	BALL VALVE
BW	BEDPAN WASHER
CH	CHILLER
CC	COOLING COIL
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CMU	COMBINATION UNITS
CR	CONDENSER WATER RETURN
CRAC	COMPUTER ROOM AIR CONDITIONER
CS	CONDENSER WATER SUPPLY
CSS	CLINICAL SERVICE SINKS
CT	COOLING TOWER
CU	CONDENSING UNIT - SPLIT SYSTEM
CUH	CABINET HEATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DB	DRY-BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DEG	DEGREE
DF	DRINKING FOUNTAIN
DGCO	DOUBLE GRADE CLEANOUT
DH	EMERGENCY DRENCH HOSES
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATING
DHWP	DOMESTIC HOT WATER RECIRCULATING PUMP
DI	DEIONIZED WATER
DOAS	DEDICATED OUTDOOR AIR SYSTEM
DS	DISTILLED WATER
DSA	DUCT SOUND ATTENUATORS
DSCW	DOMESTIC SOFT COLD WATER
DSHW	DOMESTIC SOFT HOT WATER
DSHWR	DOMESTIC SOFT HOT WATER RECIRCULATING
DSS	DUCTLESS SPLIT SYSTEM
DST	DOMESTIC STORAGE TANK
DTW	DOMESTIC TEPID WATER
DTWR	DOMESTIC TEPID WATER RECIRCULATING
DWET	DOMESTIC WATER EXPANSION TANK
EA.	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH/SHOWER
EF	EXHAUST FAN
EFF	EFFICIENCY
EFW	EMERGENCY FACE WASH
EH	EXHAUST HOOD
ERV	ENERGY RECOVERY VENTILATOR
ES	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
F	FIRE SUPPRESSION PIPING
F-	FURNACE
FC	FLUID COOLER
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
FSD	FIRE/SMOKE DAMPER
FT	FINNED TUBE
G	GAS
GCWR	GLYCOL CHILLED WATER RETURN
GCWS	GLYCOL CHILLED WATER SUPPLY
GD	GARBAGE DISPOSAL
GDH	GAS DUCT HEATER
GHCR	GLYCOL HOT/CHILLED WATER RETURN
GHCS	GLYCOL HOT/CHILLED WATER SUPPLY
GHWR	GLYCOL HOT WATER RETURN
GHWS	GLYCOL HOT WATER SUPPLY
GI	GREASE INTERCEPTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GAS VENT
GWH	GAS WATER HEATER
H	HUMIDIFIER
HB	HOSE BIBB
HC	HEATING COIL
HCR	HOT/CHILLED WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HP	HORSEPOWER
HP-	HEAT PUMP
HPR	HIGH PRESSURE RETURN
HPS	HIGH PRESURE STEAM
HRC	HEAT RECOVERY COIL
HVLS	HIGH VOLUME LOW SPEED
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
HX	HEAT EXCHANGER
HY	HYDRANTS
IH	INTAKE HOOD
IRH	INFRARED RADIANT HEATER
KH	KITCHEN HOOD
KW	KILOWATT
KWH	KILOWATT HOURS
L	LAVATORY
LAT	LEAVING AIR TEMPERATURE
LPR	LOW PRESSURE RETURN
LPG	LIQUIFIED PETROLEUM GAS
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LS	LAUNDRY SINK
LV	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPS
MD	MOTORIZED DAMPER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPR	MEDIUM PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MS	MOP SINK
N	NITROGEN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NPCW	NONPOTABLE COLD WATER
NPHW	NONPOTABLE HOT WATER
NPHWR	NONPOTABLE HOT WATER RECIRCULATING
OA	OUTSIDE AIR
OB	OUTLET BOX
OI	OIL INTERCEPTOR
ORD	OVERFLOW ROOF DRAIN
OST	OVERFLOW STORM WATER
OX	OXYGEN
P	PUMP
PHC	PREHEAT COIL
PIV	POST INDICATING VALVE
PRV	PRESSURE REGULATING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF AREA DRAINS
RL	REFRIGERANT DISCHARGE LINE
RF	RETURN FAN
RH	RELIEF HOOD
RHC	REHEAT COIL
RH	ROOF HYDRANT
RL	REFRIGERANT LIQUID LINE
RLA	RELIEF AIR
RLF	RELIEF FAN
RO	REVERSE OSMOSIS WATER
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION LINE
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
S	SINK
SA	SUPPLY AIR
SAN	SANITARY SEWER
SD	SMOKE DAMPER
SF	SUPPLY FAN
SFU	SANITARY FIXTURE UNIT
SH	SHOWER
SOI	SAND OIL INTERCEPTOR
SP	STATIC PRESSURE
SP	SUMP PUMP
SSS	SURGICAL SCRUB SINK
ST	STORM WATER
T	THERMOSTAT
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TONS	TONS OF REFRIGERATION
TSP	TOTAL STATIC PRESSURE
UH	UNIT HEATER
UR	URINAL
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
WB	WET BULB
WC	WATER CLOSETS
WCO	WALL CLEANOUT
WF	WASH FOUNTAINS
WFU	WATER FIXTURE UNITS
WH	WALL HYDRANT
WMB	WASHING MACHINE BOX
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER
WSHP	WATER SOURCE HEAT PUMP
WWHP	WATER TO WATER HEAT PUMP
YH	YARD HYDRANT

GENERAL DEMOLITION NOTES

A. THE DEMOLITION PLANS WERE PRODUCED BY DUPLICATING THE ORIGINAL DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. DIMENSIONS AND EXISTING CONDITIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS SOLID, FULL-TONE LINES. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN AS HALF-TONE.

B. DEMOLITION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE ITEMS LISTED BELOW OR HERE-IN. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED RENOVATION AND NEW CONSTRUCTION WITH THE EXISTING BUILDING TO IDENTIFY THE TOTAL EXTENT OF THE DEMOLITION REQUIRED AND AS LISTED BELOW.

C. THE REMOVAL OF HVAC AND PLUMBING EQUIPMENT FROM FINISHED AREAS AND THROUGH WEATHER BARRIERS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND DETAILS AS WELL AS NOTES ON THE MECHANICAL DRAWING TO ENSURE PROPER PATCHING AND REPAIR IS MADE TO THE BUILDING.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL EXISTING COMPONENTS, MATERIALS, EQUIPMENT, AND APPURTENANCES AS REQUIRED TO BUILD, ERECT, INSTALL, OR ACCOMMODATE ALL NEW CONSTRUCTION WITH THE OWNER HAVING FIRST RIGHT OF REFUSAL ON ALL ITEMS.

E. ITEMS NOTED TO BE REMOVED AND SALVAGED OR REINSTALLED SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR WITHOUT DAMAGE AND STORED OR REINSTALLED ON THE SITE AS DIRECTED. REMOVED OR SALVAGED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER.

F. COORDINATE THE DISCONNECTION OF ELECTRICAL MOTORS AND CONTROLS WITH ELECTRICAL CONTRACTOR PRIOR TO MECHANICAL REMOVALS.

G. IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE, MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, LEAD-BASED PAINT, OR ANY OTHER HAZARDOUS MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED EXCEPT BY WRITTEN AGREEMENT OF THE OWNER AND ARCHITECT.

H. ANY UTILITY OR SYSTEMS DISRUPTION OR OUTAGES DURING DEMOLITION SHALL BE COORDINATED WITH THE OWNER AND GENERAL CONTRACTOR.

GENERAL NOTES

A. THE ENTIRE BUILDING SHALL BE COVERED BY A WET PIPE SPRINKLER SYSTEM, HYDRAULICALLY DESIGNED IN ACCORDANCE WITH NFPA 13.

B. INTERMEDIATE TEMPERATURE CLASSIFICATION SPRINKLER HEADS SHALL BE PROVIDED IN THE MECHANICAL AND ELECTRICAL ROOMS. SPRINKLERS SHALL BE PROVIDED WITH GUARDS.

C. FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF COMPONENTS BASED ON THIS CRITERION, AND THOSE SET FORTH IN THE SPECIFICATIONS.

D. SUBMIT SHOP DRAWINGS OF ENTIRE SPRINKLER SYSTEM AFTER REVIEW AND APPROVAL HAVE BEEN ACCOMPLISHED BY THE FIRE MARSHALL. SUBMIT ONLY APPROVED SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. SUBMITTAL SHALL INCLUDE ALL COMPONENTS INCLUDING SPRINKLERS, FLOW SWITCHES, PIPING AND SUPPORTS.

E. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS INSTALLED IN RETURN AIR PLENUM SHALL BE NON-COMBUSTABLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND SMOKE DEVELOPED INDEX NOT TO EXCEED 50 IN ACCORDANCE WITH ASTM E84 OR UL 723.

A. F. SEE PHASING PLANS ON SHEET A002. COORDINATE ALL WORK ACCORDINGLY IN BIDDING AND CONSTRUCTION.

REF. DEMO NOTES (X)

PROJECT FIRE PROTECTION REFERENCED DEMOLITION NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

REF. NOTES (X)

PROJECT FIRE PROTECTION REFERENCED NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

FIRE PROTECTION SHEET LIST

FP 00 FIRE PROTECTION INFO SHEET
FP101 FLOOR PLAN - FIRE PROTECTION

ISSUE DATE: 02/01/2019

REVISIONS:	NO.:	DATE:	BY:	DESCRIPTION:

DESIGNED: BGJ
DRAWN: SRG
CHECKED: ARP

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DATE: 2/1/2019
BY: BRYCE G. JOHNSON

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IOWA DAS
ABD PHASE VIII WAREHOUSE EXPANSION
1918 HULSIZER ROAD
ANKENY, IA 50021

FIRE PROTECTION INFO SHEET

PROJECT NO.: 07459.001

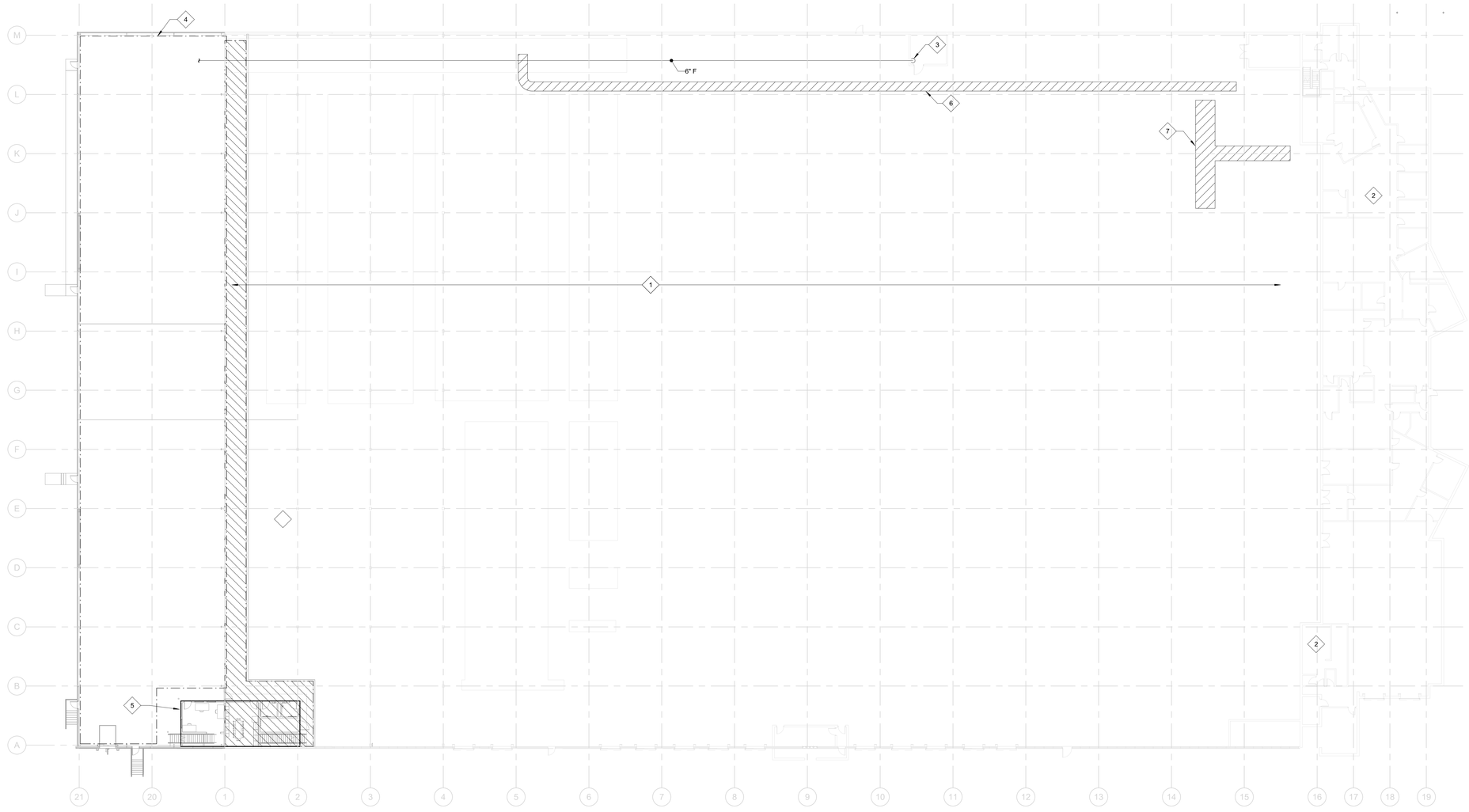
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REF. NOTES (X):

1. EXISTING ESFR COVERAGE TO REMAIN.
2. EXISTING COMMERCIAL OFFICE SPACE WET SPRINKLER COVERAGE TO REMAIN.
3. NEW ESFR RISER, A 5TH ZONE, TO BE ADDED TO HEADER IN FIRE PUMP ROOM. EXTEND TO NEW COVERAGE AREA.
4. NEW STORAGE COVERAGE AREA IN WAREHOUSE ADDITION. SEE SYSTEM DESIGN INFORMATION THIS SHEET.
5. PROVIDE NEW WET SYSTEM FIRE SPRINKLER COVERAGE IN NEW OFFICE SPACE.
6. REMOVE SPRINKLER COVERAGE BELOW DUCTWORK WHEN DUCT IS REMOVED.
7. ADD SPRINKLER COVERAGE BELOW DUCTWORK AS REQUIRED BY NFPA AND THE AHJ AFTER DUCTWORK IS INSTALLED.

SYSTEM DESIGN

BEAMS: 24" CONCRETE
JOISTS: 20" OPEN WEB
BUILDING HEIGHT: 27'-3"
STORAGE HEIGHT: 20'-0"
STORAGE TYPE: TYPE IV COMMODITY
ARRANGEMENT: RACK PALLET
ESFR DESIGN: MIN/MAX SPACING 8'x12'
100 SQ. FT. / HD MAX
35 PSI. STARTING HEAD PRESSURE



NORTH

1 FIRST FLOOR PLAN - FIRE PROTECTION
SCALE: 3/64" = 1'-0"

DESIGNED: BGJ
DRAWN: SRG
CHECKED: ARP

ISSUE DATE: 6/24/2019

REVISIONS:	No.:	DATE:	BY:	DESCRIPTION:
	2	3/18/2019	BGJ	ADDENDUM NO.2

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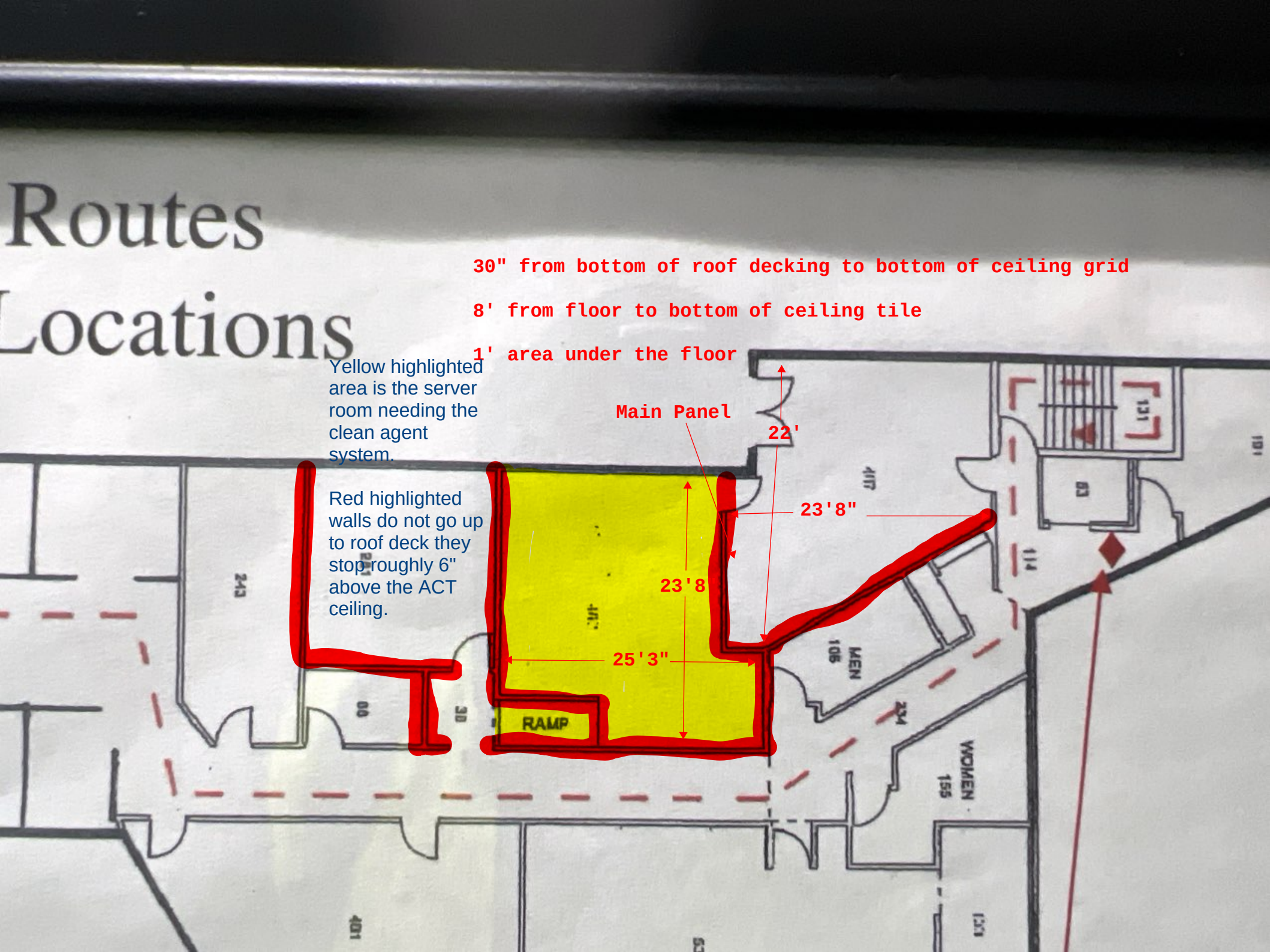
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FLOOR PLAN - FIRE PROTECTION

PROJECT NO.: 07459.001

FP101


Routes
Locations
30" from bottom of roof decking to bottom of ceiling grid
8' from floor to bottom of ceiling tile
1' area under the floor
Yellow highlighted area is the server room needing the clean agent system.
Red highlighted walls do not go up to roof deck they stop roughly 6" above the ACT ceiling.
Main Panel
22'
23'8"
23'8
25'3"
RAMP
MEN
106
WOMEN
155
243
131
101
114
234