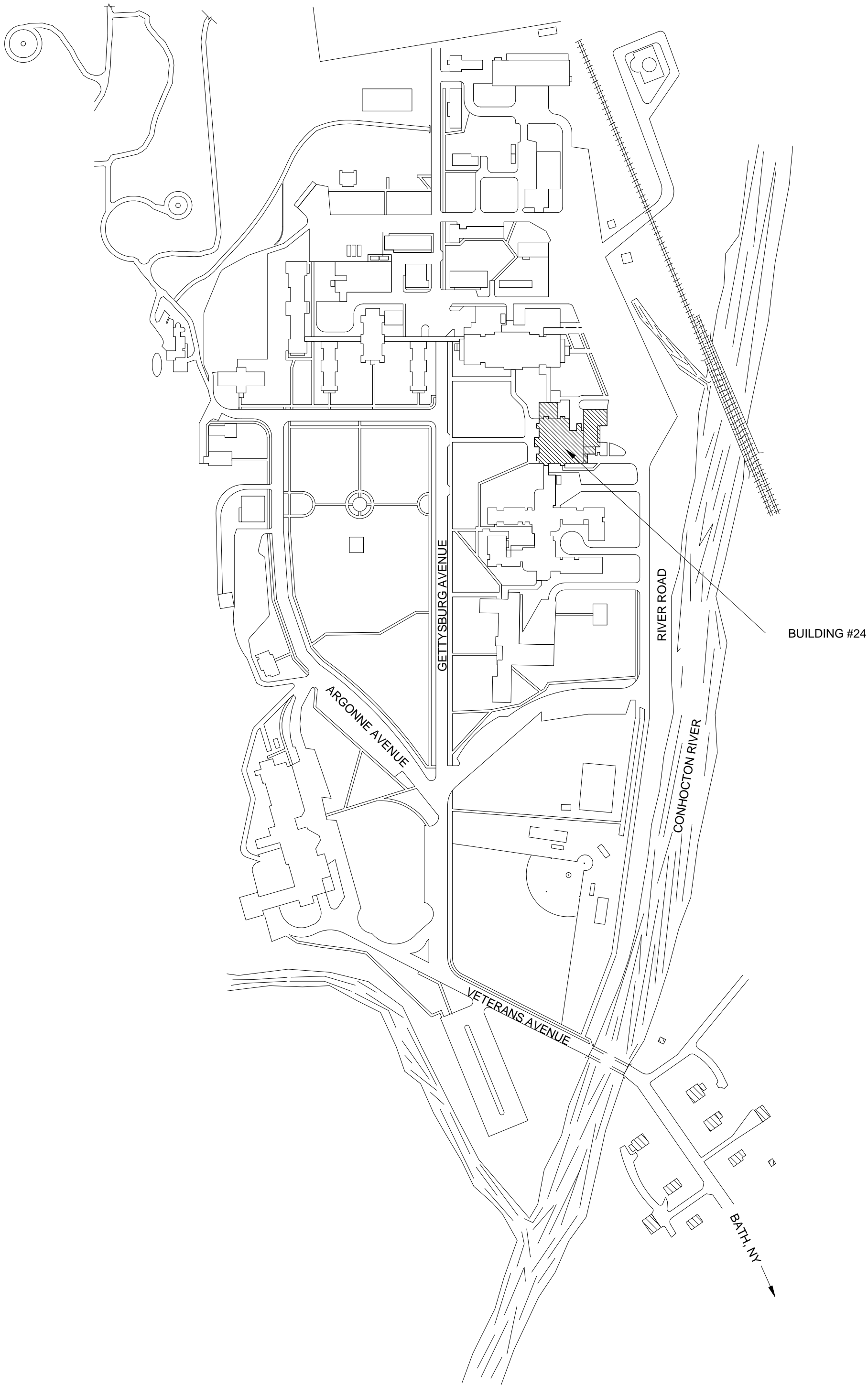


UPGRADE BUILDING 24 DINING AREA

BATH VA MEDICAL CENTER
76 VETERANS AVENUE
BATH, NY 14810

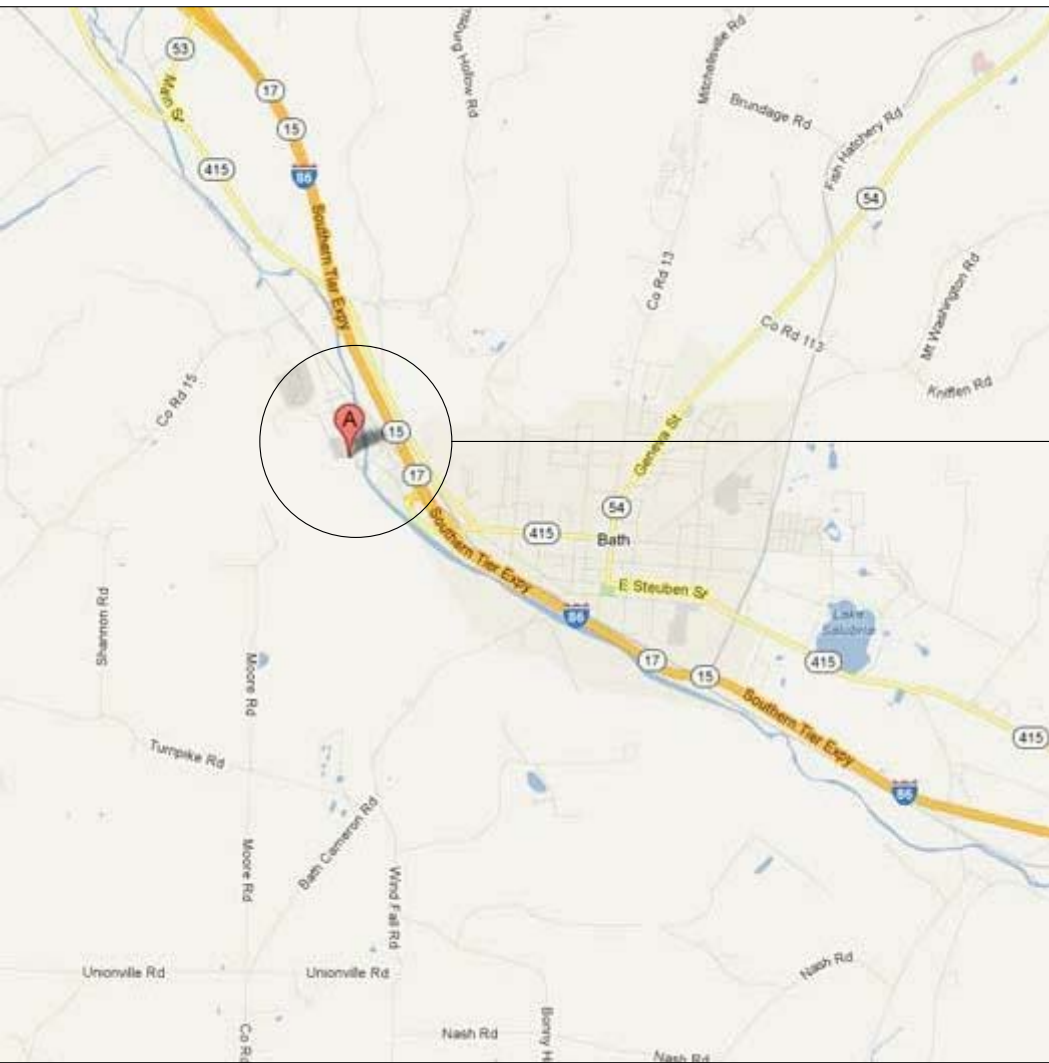
VA PROJ. # 528A6-11-614

DRAWING INDEX	
SHEET #	SHEET NAME
GENERAL	
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24-HD101	FIRST FLOOR HVAC DEMOLITION
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ELECTRICAL	
24-E001	ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES
24-ED101	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
24-EL101	FIRST FLOOR LIGHTING PLAN
24-EP101	FIRST FLOOR POWER & SYSTEMS PLAN



1 BATH VAMC CAMPUS PLAN
N.T.S.

VICINITY MAP



SITE

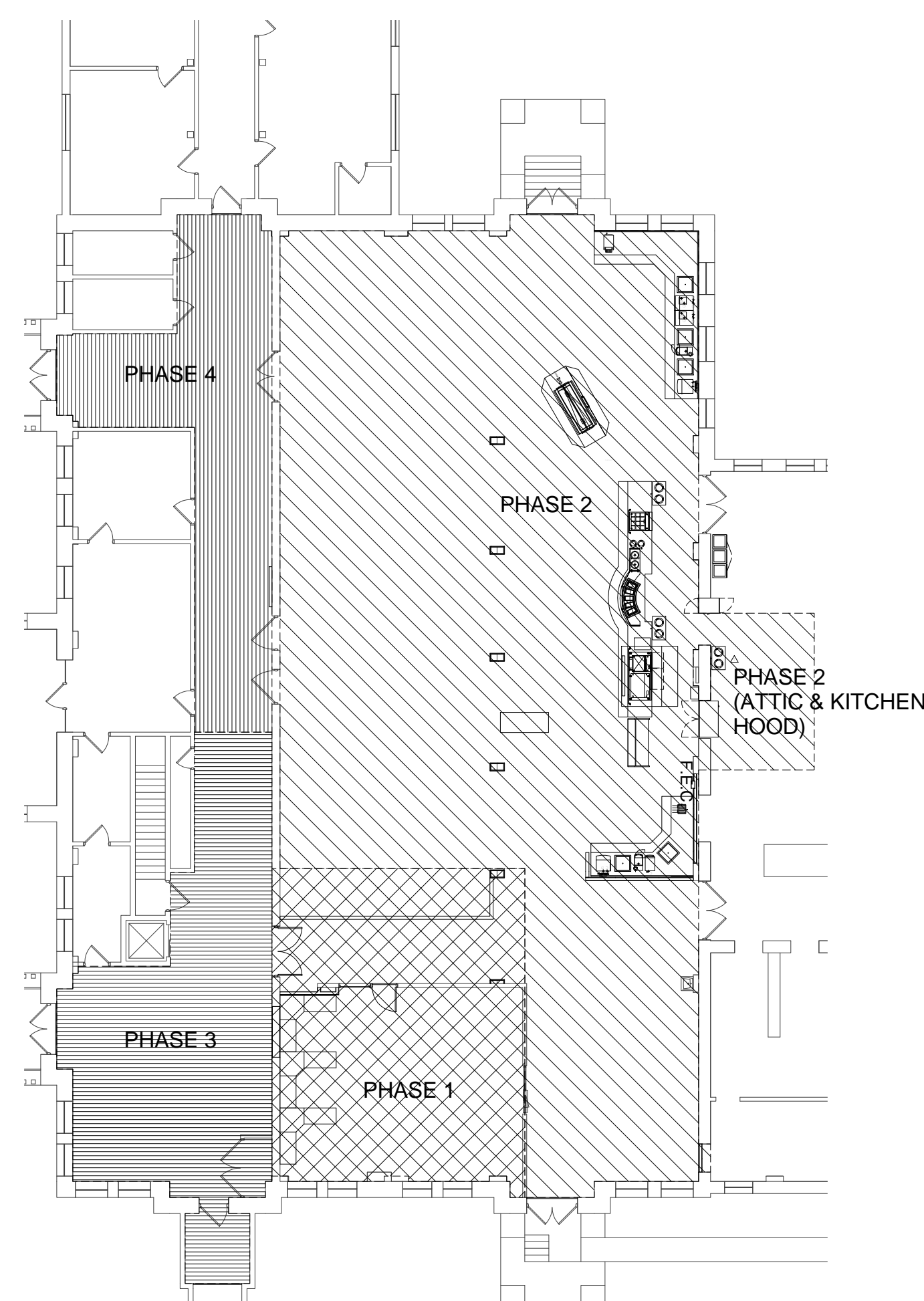
LOCATION MAP



SITE

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

Revisions	Date	ALL WORK TO BE IN ACCORDANCE WITH N.F.P.A., NATION, STATE AND CITY CODES & O.S.H.A.	Approved: A.F.G.E.	Date	Approved: Fire Chief	Date	Approved: Energy Engineer	Date	Drawing Title COVER SHEET	Project Title UPGRADE BUILDING 24 DINING AREA	Date 12/13/2013	Department of Veterans Affairs				
		Approved: Logistics Manager.	Date	Approved: Interior Designer	Date	Approved: Safety Officer	Date	Approved: M&R Foreman			Date		Project No. 12020			
		Approved: Infection Control Mgr.	Date	Approved: Info. Sys.	Date	Approved: Industrial Hygienist	Date	Approved: Associate Director	Date	Approved: Facility Manager	Date		Building No. 24	Checked JD	Drawn PR	DRAWING NO. VAMC-528A6-11-614 24-G001
		Approved: Chief Security	Date	Approved: Women's Health Rep	Date	Approved: Space Owner	Date		Date	Approved: Medical Center Director	Date		Location 76 VETERANS AVENUE, BATH, NY 14810			



ICRA NOTES:

- ### DURING CONSTRUCTION

1. OBTAIN INFECTION CONTROL PERMIT BEFORE CONSTRUCTION BEGINS.
2. REMOVE OR ISOLATE HVAC SYSTEM IN AREA WHERE WORK IS TO BE DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM.
3. COMPLETE ALL CRITICAL BARRIER IE: AIR LOCK, PLASTIC COVERING, SEAL AREA FROM NON WORK AREA OR IMPLEMENT CONTROL CUBE METHOD (CART WITH PLASTIC COVERING AND CONTROLLED CUBE) TO SEAL SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS.
4. IF NEGATIVE PRESSURE IS REQUIRED WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS.
5. CONSTRUCT CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS. COVER TRANSPORT RECEPACABLES OR CARTS. COVERING MUST BE SECURED WITH TIGHT LID. ADDRESS ANY NOISE ISSUES.

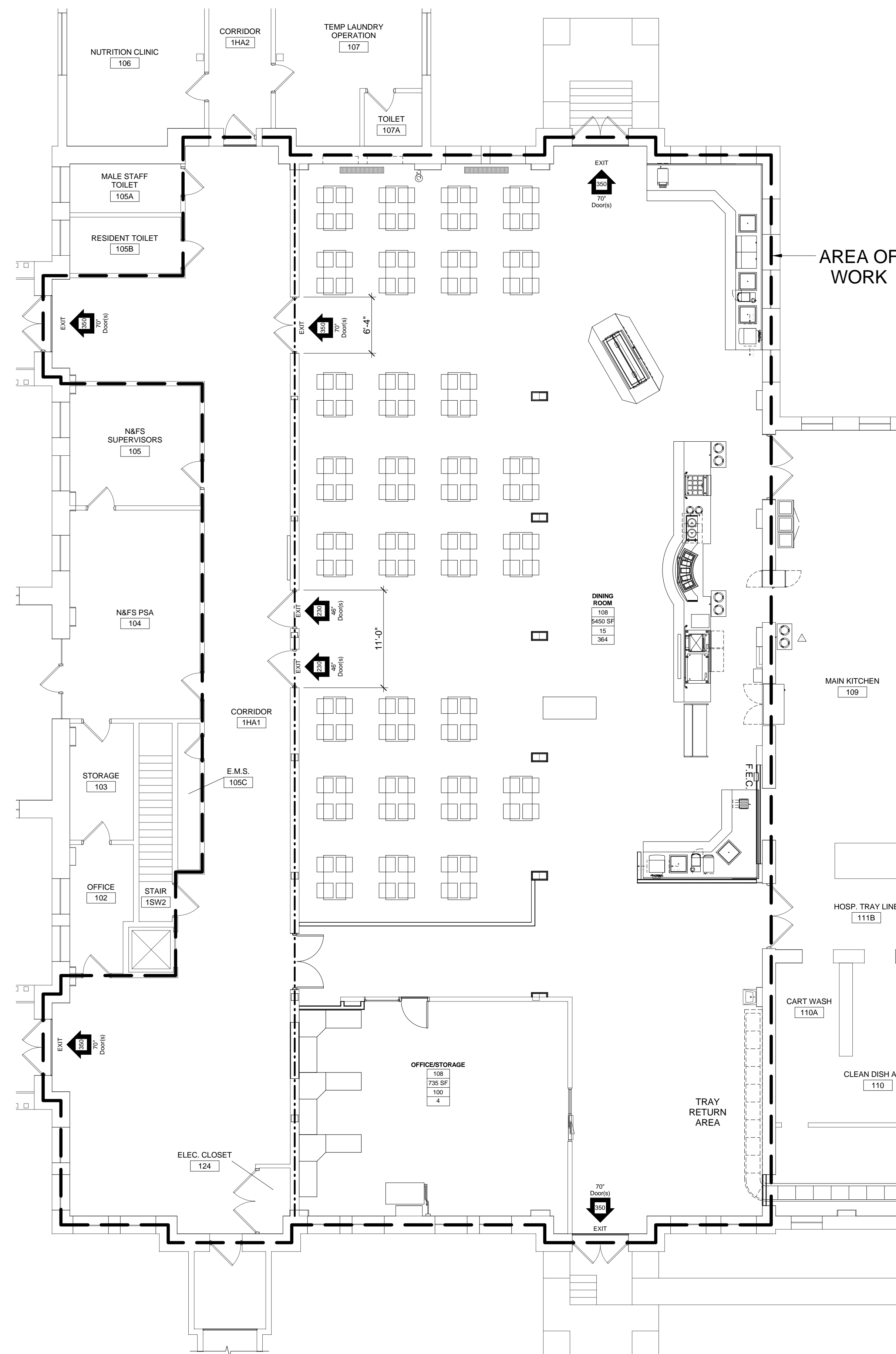
- UPON COMPLETION OF PROJECT:

1. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY OWNER'S SAFETY DEPARTMENT AND INFECTION CONTROL DEPARTMENT AND THOROUGHLY CLEANED BY THE OWNER'S ENVIRONMENTAL SERVICES DEPARTMENT.
2. REMOVE BARRIERS AND MATERIALS CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION.
3. VACUUM WORK AREA WITH HEPA FILTERED VACUUMS.
4. WASH MOP AREA WITH DISINFECTANT.
5. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.

BATH VA MEDICAL CENTER
BUILDING 24
VA Project #528A6-11-614
AE Works #12020

DESCRIPTION	RESULT	IBC SECTION/TABLE	NFPA SECTION/TITLE
OCCUPANCY EXISTING ASSEMBLY ASSEMBLY GROUP A-2		SECTION 303.1	13.1.1.1
CONSTRUCTION TYPE Actual Floor Areas	Type III-A	Table 601 and 602	A.8.2.1.2
Dining Room	6,299 gsf		
Corridor	1,800 gsf		
FIRE RESISTIVE REQUIREMENTS			
Structural Frame Including Columns, girders, trusses	0 hours	Table 601	A.8.2.1.2
Bearing Walls			
Exterior	1 hours	Table 601	A.8.2.1.2
Interior	0 hours	Table 601	A.8.2.1.2
Nonbearing walls and partitions			
Exterior	N/A		
Nonbearing walls and partitions			
Interior	0 hours	Table 601	A.8.2.1.2
Floor construction			
Including supporting beams and joist	0 hours	Table 601	A.8.2.1.2
Roof construction			
Including supporting beams and joist	N/A	Table 601	A.8.2.1.2
Shaft Enclosures	2 hours minimum	Section 708.4	8.6.5
Corridors (with sprinkler system)	0 hours with sprinkler	Table 1018.1	13.3.6
Spaces open to Corridor	unlimited sf w/auto smoke detection		13.3.6.1
Smoke Barrier	1 hour minimum		13.3.7.3
SPRINKLERS AND STANDPIPES			
Automatic Sprinklers All Floors	fully sprinklered		18.3.5.1
Standpipe Systems	Class 1	Section 905.3, 905.3.1	11.8.3.2
EXISTING REQUIREMENTS			
Occupant Load - Assembly Unconcentrated (tables and chairs)	15 net	Table 1004.1.1	Table 7.3.1.2
Egress Width			
Stairways	N/A		7.2.2.2.1.2.B
Doorways	.220 in. per seat served		13.4.2.3
# Exits required w/ <600 seats	2 Separate means of egress		13.2.4.2
Exist Access Travel Distance	200 ft		13.2.6.2.1
Common Path of Travel	100 ft		13.2.5.3
Dead End Corridor	Can exceed 30 ft if impractical to alter it in existing building		13.2.5.2

2 CODE REVIEW
1/8" = 1'-0"



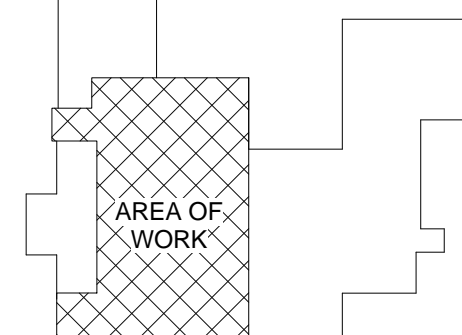
1 PARTIAL FIRST FLOOR- LIFE SAFETY
1/8" = 1'-0"

CODE REVIEW SYMBOL LEGEND

ONE BED ROOM ← ROOM NAME
3B154 ← ROOM #
150 ← AREA (SF)
100 ← EXIT GENERATOR (OCCS / SF)
15 ← OCCUPANTS

NOTE:

CALCULATED EGRESS WIDTH REQUIRED = 25" (CODE REQUIRES MIN. 32")
EGRESS WIDTH PROVIDED = 302"
MINIMUM EXITS REQUIRED = 2
EXITS PROVIDED = 4



KEY PLAN



FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

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Drawing Title	CODE REVIEW
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Approved: Facility Manager

Approved: Medical Center Director

Project Title	UPGRADE BUILDING 24 DINING AREA
---------------	------------------------------------

Building No

Location
76 VETERANS AVENUE, BATH, NY 14810

Date
12/13/2013

Project No.
12020

DRAWING

24-G002

24-G002

Department of
Veterans Affairs

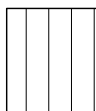
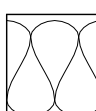
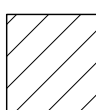

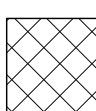
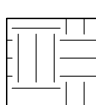
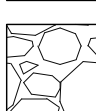

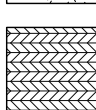
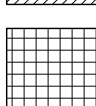
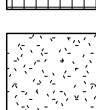
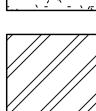
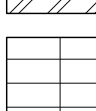

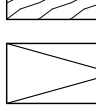
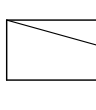
ARCHITECTURAL ABBREVIATIONS

[illegible]

SYMBOLS LEGEND :

DESCRIPTION	SYMBOL
DRAWING BLOCK TITLE MARK	
WALL SECTION MARK	
BUILDING SECTION MARK	
DETAIL INDICATOR	
EXTERIOR ELEVATION MARK	
INTERIOR ELEVATION MARK (SINGLE VIEW)	
INTERIOR ELEVATION MARK (MULTIPLE VIEWS)	
NORTH ARROW	
ROOM NAME INDICATOR	
COLUMN GRID IDENTIFICATION	
DOOR IDENTIFICATION	
WINDOW IDENTIFICATION	
WALL TYPE IDENTIFICATION	
KEYNOTE IDENTIFICATION	
REVISION IDENTIFICATION	
DATUM POINT IDENTIFICATION	

MATERIALS LEGEND :

	ACOUSTIC TILE
	BATT INSULATION
	BRICK
	CONCRETE
	CONCRETE BLOCK
	EARTH - COMPACTED FILL
	GRAVEL, CRUSHED STONE
	GYPSUM BOARD, PLASTER
	PLYWOOD
	RIGID INSULATION
	SAND, GROUT, LIMESTONE
	STEEL
	TAPERED INSULATION
	WOOD, FINISH
	WOOD, FRAMING THROUGH MEMBER
	WOOD, FRAMING INTERRUPTED MEMBER

GENERAL PROJECT NOTES:

1. ALL STRUCTURE WORK SHALL CONFORM WITH THE APPLICABLE CODES AND ORDINANCES OF THE LOCAL JURISDICTION, THE STATE OF NEW YORK, AND THE CURRENT ADOPTED VERSION OF THE INTERNATIONAL BUILDING CODE FAMILY. THE CONTRACTOR SHALL POST NOTICES AND COMPLY WITH THE GOVERNING LAWS OF THE JURISDICTION.
2. INSTALLATIONS PERFORMED IN CONNECTION WITH THESE DRAWINGS SHALL BE IN STRICT COMPLIANCE TO THE MOST RECENT NEPA EDITION.
3. THE SITE WORK SHALL BE PROPERLY SUPERVISED BY THE CONTRACTOR'S JOB SITE SUPERINTENDENT. SUFFICIENT PERSONNEL SHALL BE EMPLOYED TO COMPLETE THE WORK WITHIN THE CONTRACTED TIME. PERSONNEL SHALL BE SKILLED IN THE TASK ASSIGNED.
4. THE CONTRACTOR SHALL, AT ALL TIMES, MAINTAIN ADEQUATE PROTECTION TO SAFEGUARD THE PUBLIC AND ALL PERSONS ENGAGED IN THE PERFORMANCE OF THE WORK.
5. THE DRAWINGS REFLECTED CONDITIONS AS CAN BE INFERRED FROM VISIBLE CONDITIONS, OR FROM DRAWINGS AND INFORMATION FURNISHED BY THE OWNER, BUT CANNOT BE GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL GRADES, LINES, LEVELS AND DIMENSIONS INDICATED ON THE DRAWINGS AND SHALL REPORT ALL INCONSISTENCIES TO THE ARCHITECT PRIOR TO THE EXECUTION OF THE WORK. RECHECK ALL DIMENSIONS PRIOR TO ORDERING MANUFACTURED MATERIALS.
6. PLAN DIMENSIONS, UNLESS NOTED OTHERWISE, ARE TO THE FACE OF THE WALL FINISH OR CENTERLINE OF COLUMN.
7. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF PRODUCTS PURCHASED FOR THE PROJECT AND STORED ON THE PROJECT SITE. THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICERS REPRESENTATIVE (COR) ON PREFERRED LOCATIONS FOR STORED MATERIALS ON THE PROJECT SITE, IF ALLOWED AS PART OF THE REQUIREMENTS OF THIS PROJECT.
8. THE CONTRACTOR SHALL MAINTAIN AREAS UNDER THE CONTRACTOR'S CONTROL, TO BE FREE OF WASTE MATERIALS, CONTAINERS, DEBRIS, AND CONTAINERS FOR DEPOSIT OF DEBRIS AND RUBBISH SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE LOCATION OF CONTAINERS WITH THE COR PRIOR TO PLACEMENT. REMOVE AND DISPOSE OF DEMOLITION MATERIAL OFF SITE IN ACCORDANCE WITH APPLICABLE CODES AND/OR SPECIFICATIONS.
9. EXTRANEOUS MATERIALS SHALL BE PERIODICALLY REMOVED, AND, AT THE CONCLUSION OF THE PROJECT.
10. INDIVIDUAL CONTRACTOR'S SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL FIRE-RATING/FIRESTOPPING MATERIALS AT ALL THROUGH-WALL AND THROUGH-CEILING PENETRATIONS AS REQUIRED FOR THE CONSTRUCTION OF THE BUILDING. THE CONTRACTOR AND TO MAINTAIN FIRE RATINGS OF FLOORS AND WALLS. MATERIALS AND INSTALLATION DETAILS SHALL CONFORM TO UNDERWRITE LABORATORIES LISTING FOR RATED ASSEMBLIES.
11. ALL WOOD FRAMING AND SHEATHING SHALL BE FIRE RETARDANT TREATED AS REQUIRED BY THE BUILDING CODE CLASSIFICATION OF 'NONCOMBUSTIBLE'.
12. DO NOT SCALE DRAWINGS. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DEVIATIONS OR DISCREPANCIES FOUND & RECEIVE DIRECTION BEFORE PROCEEDING.
13. NO CONSTRUCTION SHALL START UNTIL ALL SUBMITTALS HAVE BEEN APPROVED BY THE VA.
14. CONTRACTOR SHALL PROVIDE TEMPORARY DUST ENCLOSURES PER ICA REQUIREMENTS AND DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO COORDINATE LOCATIONS WITH THE COR IN ORDER TO ACHIEVE THE BEST DEMOLITION PLAN. IF EXISTING WALLS ARE USED, PENETRATIONS MUST BE SEALED TO CREATE A DUST PROOF ENCLOSURE.
15. MODIFICATIONS TO THE EXISTING MEP SYSTEMS WILL IMPACT ADJACENT SPACES OUTSIDE THE GENERAL SCOPE OF WORK. ANY DISTURBANCE OF EXISTING CONDITIONS AND FINISHES MUST BE REPAIRED TO MATCH THE CONDITIONS PRIOR TO CONSTRUCTION IMPACTS.
16. THE FACILITY IS OPERATIONAL. CONTRACTOR MAKE PROVISIONS FOR OWNER AND PUBLIC USE OF THE BUILDING AREA DURING AREA DELIVERY. STAGING OF MATERIALS AND OTHER CONSTRUCTION RELATED ACTIVITIES SHALL BE COORDINATED WITH THE COR SO AS TO NOT ADVERSELY AFFECT THE BUILDING OPERATIONS.
17. THE CONTRACTOR IS RESPONSIBLE FOR COMPARING AND COORDINATING ALL DRAWINGS FOR PROPER FIT AND MATCH. ALL MATERIALS SHALL BE AS SHOWN OR DESCRIBED IN THESE NOTES SHALL BE CONSTRUCTED TO SAME SIZE AND CHARACTER AS FOR SIMILAR CONDITIONS WHICH ARE SHOWN, SPECIFIED, OR COMMONLY CONSTRUCTED IN THE INDUSTRY.
18. NO STRUCTURAL MEMBER SHALL BE NOTCHED, CUT, BLOCKED OUT, OR RELOCATED WITHOUT PRIOR APPROVAL BY THE ARCHITECT OR ENGINEER.
19. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ADJACENT PROPERTY AT ALL TIMES DURING CONSTRUCTION.
20. CONTRACTOR SHALL COORDINATE LOCATIONS OF CEILING MOUNTED ITEMS, SUCH AS LIGHT FIXTURES, SPRINKLER HEADS, AND RESTRAINTS WITH THE ELECTRICAL, HVAC, PLUMBING AND SPRINKLER SUB-CONTRACTORS.
21. ALL SPRINKLER HEADS, DIFFUSERS AND REGISTERS SHALL BE CENTERED WITH SUSPENDED ACOUSTICAL PANELS, UNLESS NOTED OTHERWISE ON DRAWINGS.

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

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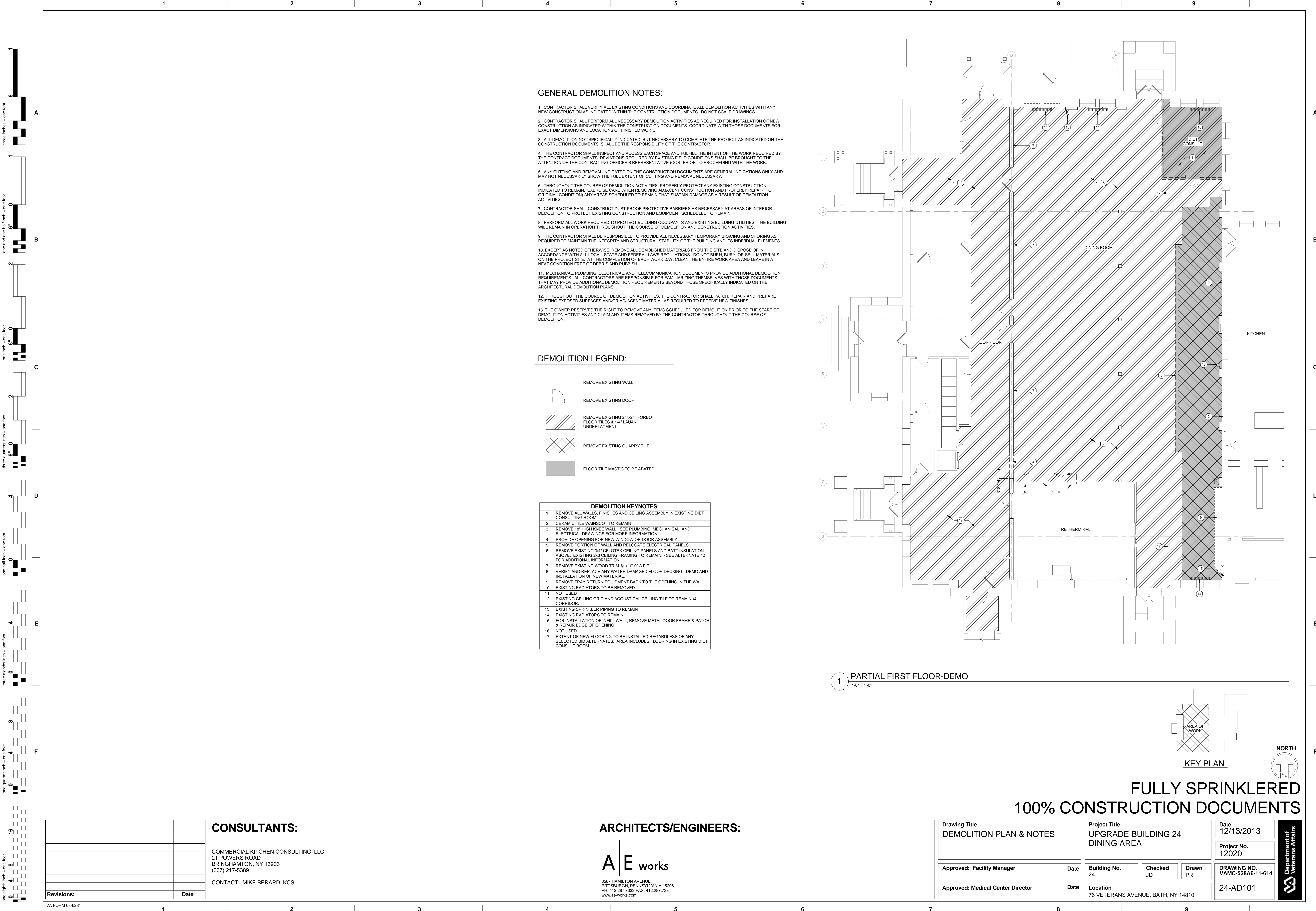
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Drawing Title ARCHITECTURAL SYMBOLS, ABBREVIATIONS & NOTES		Project Title UPGRADE BUILDING 24 DINING AREA			Date 12/13/2013
					Project No. 12020
Approved: Facility Manager	Date	Building No. 24	Checked JD	Drawn PR	DRAWING NO. VAMC-528A6-11-614
Approved: Medical Center Director	Date	Location 76 VETERANS AVENUE, BATH, NY 14810			24-A001



GENERAL DEMOLITION NOTES:

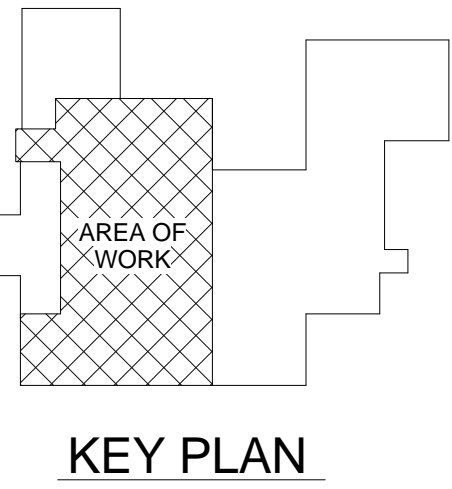
1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND COORDINATE ALL DEMOLITION ACTIVITIES WITH ANY NEW CONSTRUCTION AS INDICATED WITHIN THE CONSTRUCTION DOCUMENTS. DO NOT SCALE DRAWINGS.
2. CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION ACTIVITIES AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION AS INDICATED WITHIN THE CONSTRUCTION DOCUMENTS. COORDINATE WITH THOSE DOCUMENTS FOR EXACT DIMENSIONS AND LOCATIONS OF FINISHED WORK.
3. ALL DEMOLITION NOT SPECIFICALLY INDICATED, BUT NECESSARY TO COMPLETE THE PROJECT AS INDICATED ON THE CONSTRUCTION DOCUMENTS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL INSPECT AND ACCESS EACH SPACE AND FULFILL THE INTENT OF THE WORK REQUIRED BY THE CONTRACT DOCUMENTS. DEVIATIONS REQUIRED BY EXISTING FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER'S REPRESENTATIVE (COR) PRIOR TO PROCEEDING WITH THE WORK.
5. ANY CUTTING AND REMOVAL INDICATED ON THE CONSTRUCTION DOCUMENTS ARE GENERAL INDICATIONS ONLY AND MAY NOT NECESSARILY SHOW THE FULL EXTENT OF CUTTING AND REMOVAL NECESSARY.
6. THROUGHOUT THE COURSE OF DEMOLITION ACTIVITIES, PROPERLY PROTECT ANY EXISTING CONSTRUCTION INDICATED TO REMAIN. EXERCISE CARE WHEN REMOVING ADJACENT CONSTRUCTION AND PROPERLY REPAIR (TO ORIGINAL CONDITION) ANY AREAS SCHEDULED TO REMAIN THAT SUSTAIN DAMAGE AS A RESULT OF DEMOLITION ACTIVITIES.
7. CONTRACTOR SHALL CONSTRUCT DUST PROOF PROTECTIVE BARRIERS AS NECESSARY AT AREAS OF INTERIOR DEMOLITION TO PROTECT EXISTING CONSTRUCTION AND EQUIPMENT SCHEDULED TO REMAIN.
8. PERFORM ALL WORK REQUIRED TO PROTECT BUILDING OCCUPANTS AND EXISTING BUILDING UTILITIES. THE BUILDING WILL REMAIN IN OPERATION THROUGHOUT THE COURSE OF DEMOLITION AND CONSTRUCTION ACTIVITIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL NECESSARY TEMPORARY BRACING AND SHORING AS REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS INDIVIDUAL ELEMENTS.
10. EXCEPT AS NOTED OTHERWISE, REMOVE ALL DEMOLISHED MATERIALS FROM THE SITE AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS REGULATIONS. DO NOT BURN, BURY, OR SELL MATERIALS ON THE PROJECT SITE. AT THE COMPLETION OF EACH WORK DAY, CLEAN THE ENTIRE WORK AREA AND LEAVE IN A NEAT CONDITION FREE OF DEBRIS AND RUBBISH.
11. MECHANICAL, PLUMBING, ELECTRICAL, AND TELECOMMUNICATION DOCUMENTS PROVIDE ADDITIONAL DEMOLITION REQUIREMENTS. ALL CONTRACTORS ARE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THOSE DOCUMENTS THAT MAY PROVIDE ADDITIONAL DEMOLITION REQUIREMENTS BEYOND THOSE SPECIFICALLY INDICATED ON THE ARCHITECTURAL DEMOLITION PLANS.
12. THROUGHOUT THE COURSE OF DEMOLITION ACTIVITIES, THE CONTRACTOR SHALL PATCH, REPAIR AND PREPARE EXISTING EXPOSED SURFACES AND/OR ADJACENT MATERIAL AS REQUIRED TO RECEIVE NEW FINISHES.
13. THE OWNER RESERVES THE RIGHT TO REMOVE ANY ITEMS SCHEDULED FOR DEMOLITION PRIOR TO THE START OF DEMOLITION ACTIVITIES AND CLAIM ANY ITEMS REMOVED BY THE CONTRACTOR THROUGHOUT THE COURSE OF DEMOLITION.

DEMOLITION LEGEND:

- REMOVE EXISTING WALL
- REMOVE EXISTING DOOR
- REMOVE EXISTING 24"x24" FORBO FLOOR TILES & 1/4" LAUAN UNDERLAYMENT
- REMOVE EXISTING QUARRY TILE
- FLOOR TILE MASTIC TO BE ABATED

DEMOLITION KEYNOTES:	
1	REMOVE ALL WALLS, FINISHES AND CEILING ASSEMBLY IN EXISTING DIET CONSULTING ROOM
2	CERAMIC TILE WAINSCOT TO REMAIN
3	REMOVE 18" HIGH KNEE WALL - SEE PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
4	PROVIDE OPENING FOR NEW WINDOW OR DOOR ASSEMBLY
5	REMOVE PORTION OF WALL AND RELOCATE ELECTRICAL PANELS
6	REMOVE EXISTING 3/4" CELOTEX CEILING PANELS AND BATT INSULATION ABOVE. EXISTING 2x6 CEILING FRAMING TO REMAIN - SEE ALTERNATE #2 FOR ADDITIONAL INFORMATION
7	REMOVE EXISTING WOOD TRIM @ ±10'-0" A.F.F.
8	VERIFY AND REPLACE ANY WATER DAMAGED FLOOR DECKING - DEMO AND INSTALLATION OF NEW MATERIAL
9	REMOVE TRAY RETURN EQUIPMENT BACK TO THE OPENING IN THE WALL
10	EXISTING RADIATORS TO BE REMOVED
11	NOT USED
12	EXISTING CEILING GRID AND ACOUSTICAL CEILING TILE TO REMAIN @ CORRIDOR
13	EXISTING SPRINKLER PIPING TO REMAIN
14	EXISTING RADIATORS TO REMAIN
15	FOR INSTALLATION OF INFILL WALL, REMOVE METAL DOOR FRAME & PATCH & REPAIR EDGE OF OPENING
16	NOT USED
17	EXTENT OF NEW FLOORING TO BE INSTALLED REGARDLESS OF ANY SELECTED BID ALTERNATES. AREA INCLUDES FLOORING IN EXISTING DIET CONSULT ROOM.

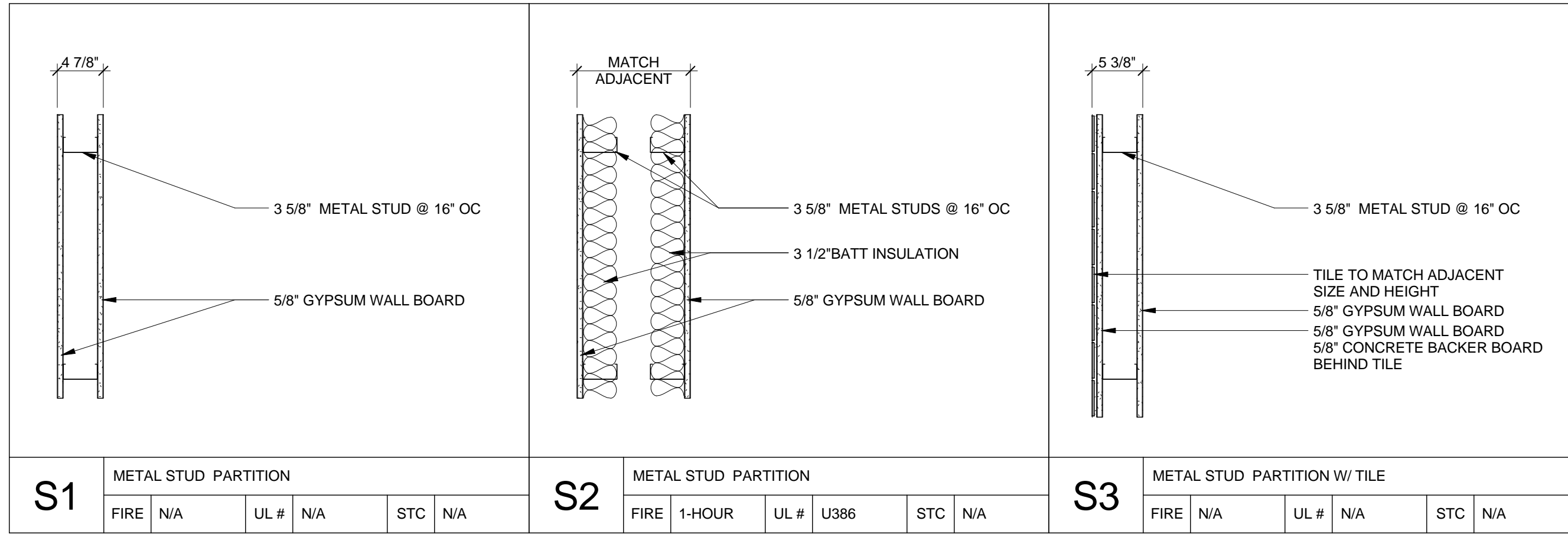
1 PARTIAL FIRST FLOOR-DEMO
1/8" = 1'-0"



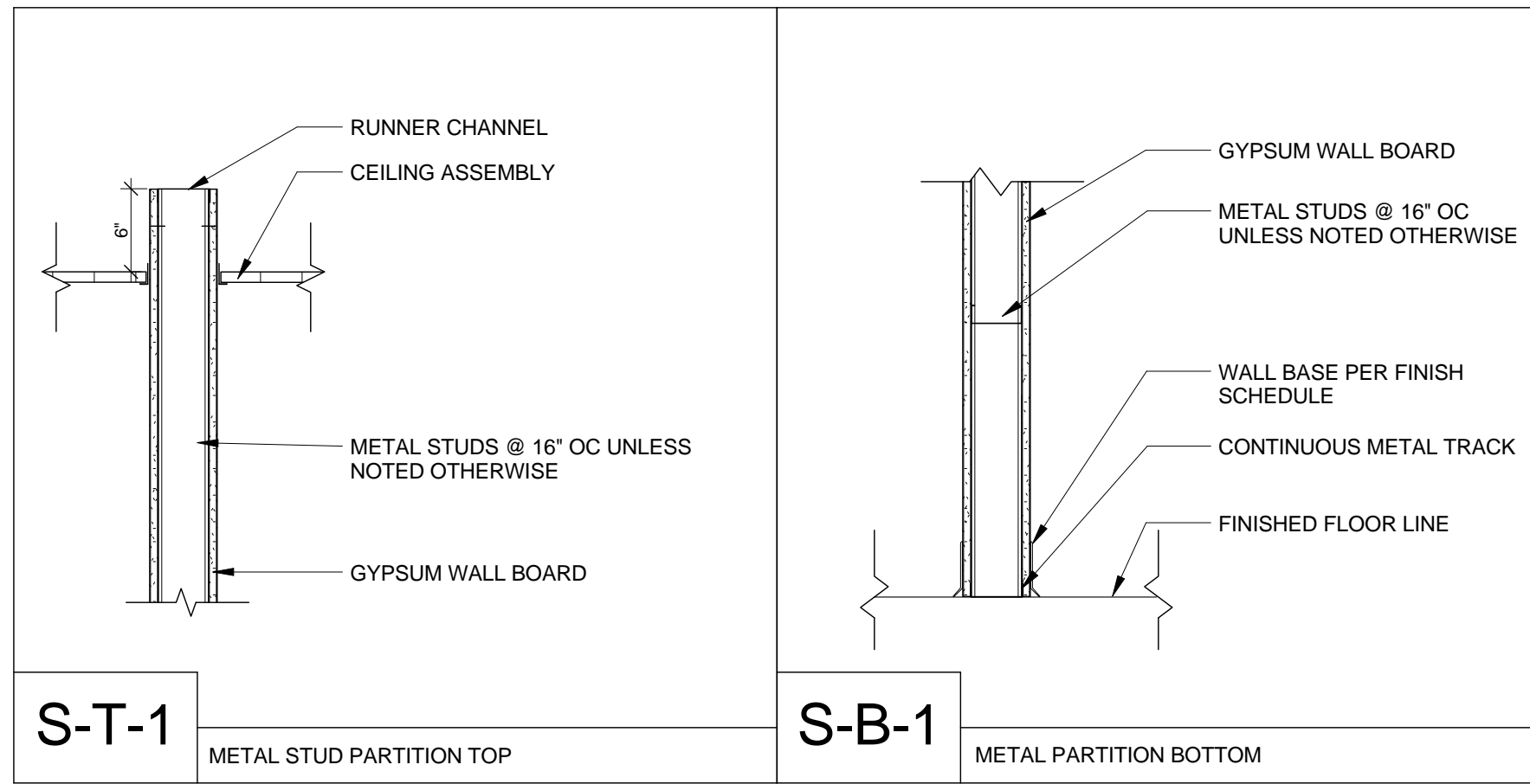
FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

CONSULTANTS:		ARCHITECTS/ENGINEERS:		Drawing Title DEMOLITION PLAN & NOTES		Project Title UPGRADE BUILDING 24 DINING AREA		Date 12/13/2013		
COMMERCIAL KITCHEN CONSULTING, LLC 21 POWERS ROAD BRINGHAMTON, NY 13903 (607) 217-5389		A E works 6587 HAMILTON AVENUE PITTSBURGH, PENNSYLVANIA 15206 PH: 412.287.7333 FAX: 412.287.7334 www.ae-works.com		Approved: Facility Manager		Date	Building No. 24	Checked JD	Drawn PR	Project No. 12020
Revisions:		Date		Approved: Medical Center Director		Date	Location 76 VETERANS AVENUE, BATH, NY 14810		DRAWING NO. VAMC-528A6-11-614 24-AD101	

three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

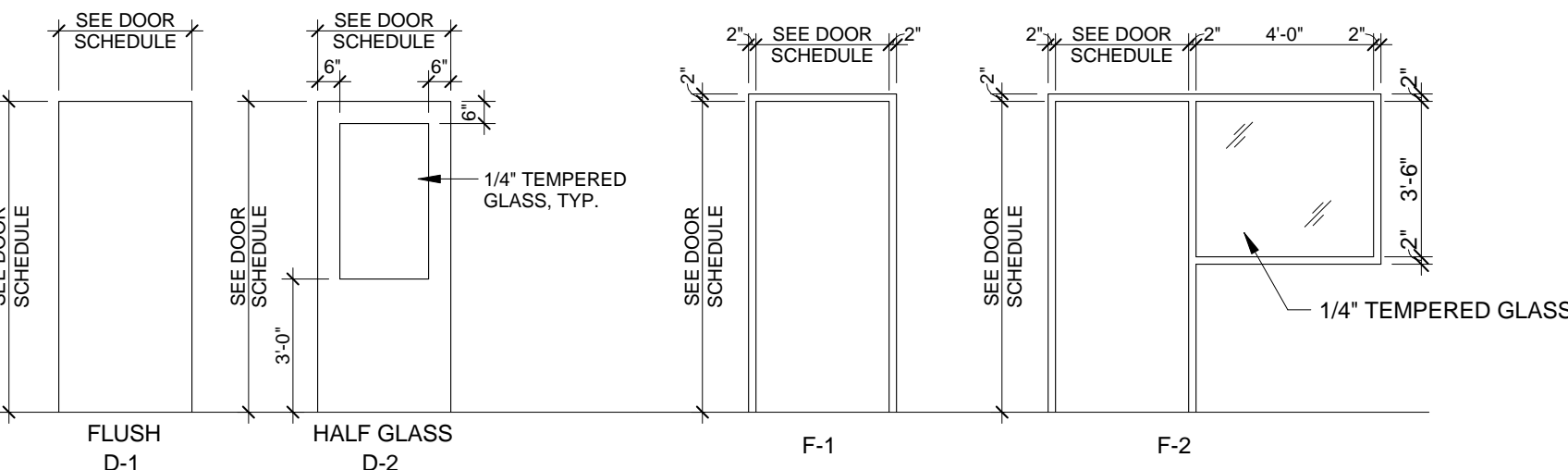


2 METAL STUD PARTITION TYPES
1" = 1'-0"

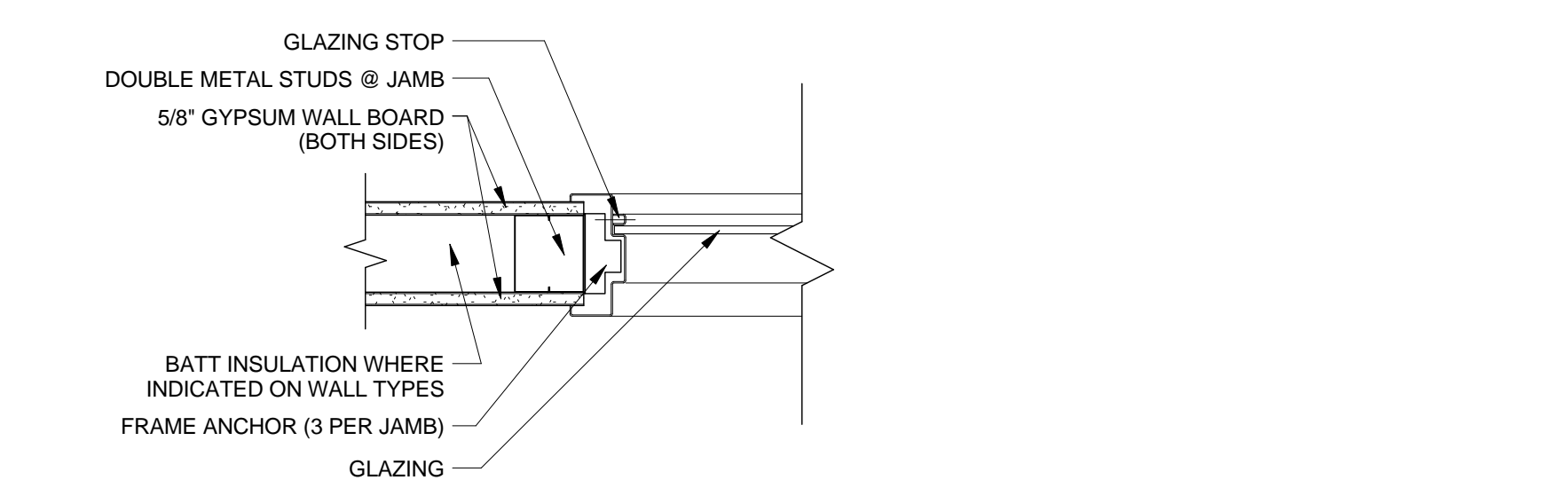


3 TOP & BOTTOM OF WALL DETAILS
1" = 1'-0"

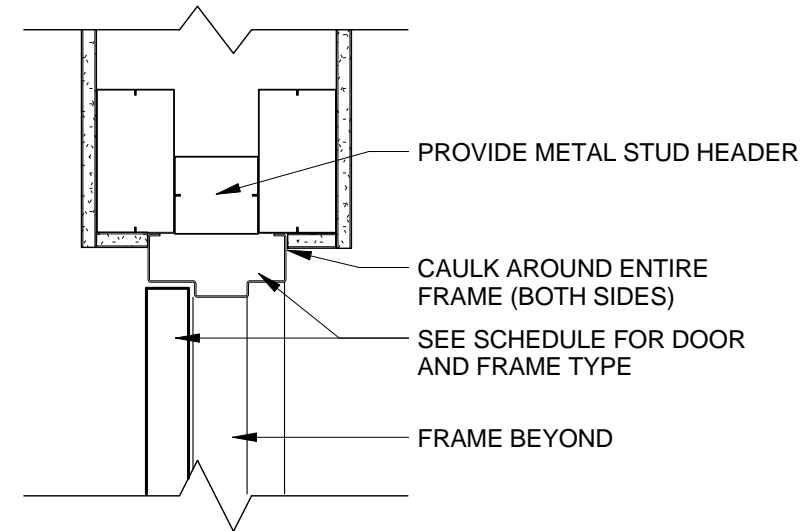
DOOR SCHEDULE												
NO.	PAIR	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FIRE RATING	TYPE	MATERIAL	HEAD	JAMB	HARDWARE SET
1	PAIR	3'-0"	7'-0"	1 3/4"	D-1	WOOD	45 MIN.	F-2	HM	H-2	J-2	HW-1
2	PAIR	3'-0"	7'-0"	1 3/4"	D-2	WOOD	45 MIN.	F-1	HM	H-1	J-1	HW-2



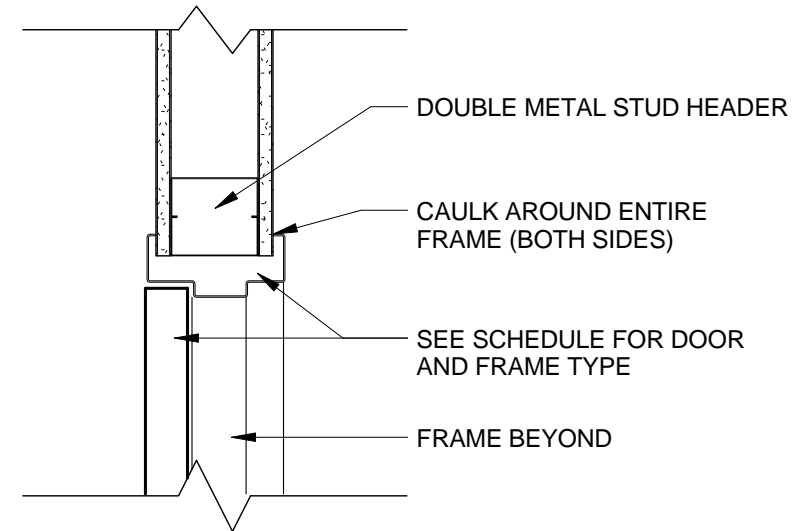
4 DOOR, FRAME & WINDOW TYPES
1/4" = 1'-0"



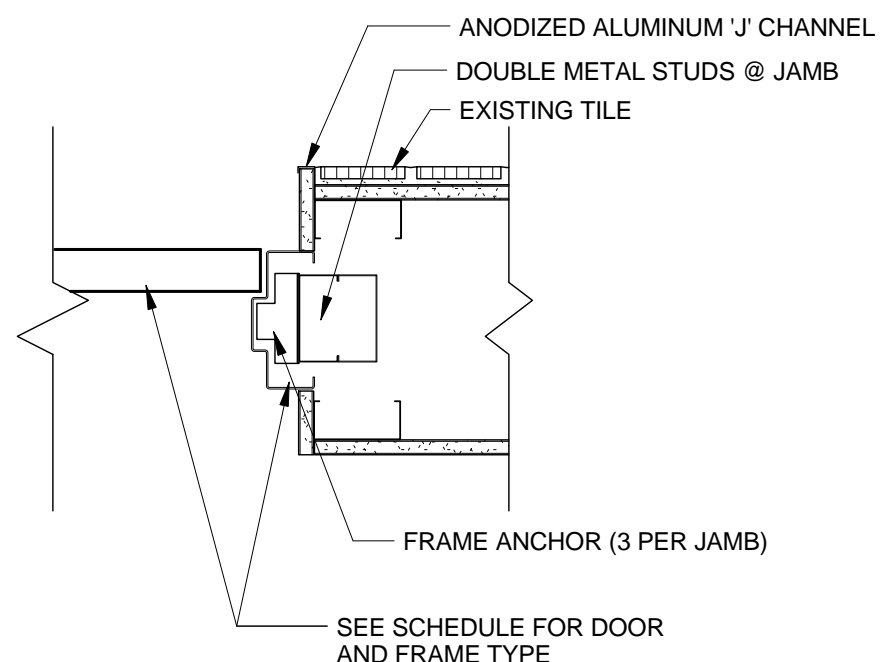
10 H.M. WINDOW FRAME DETAILS
1 1/2" = 1'-0"



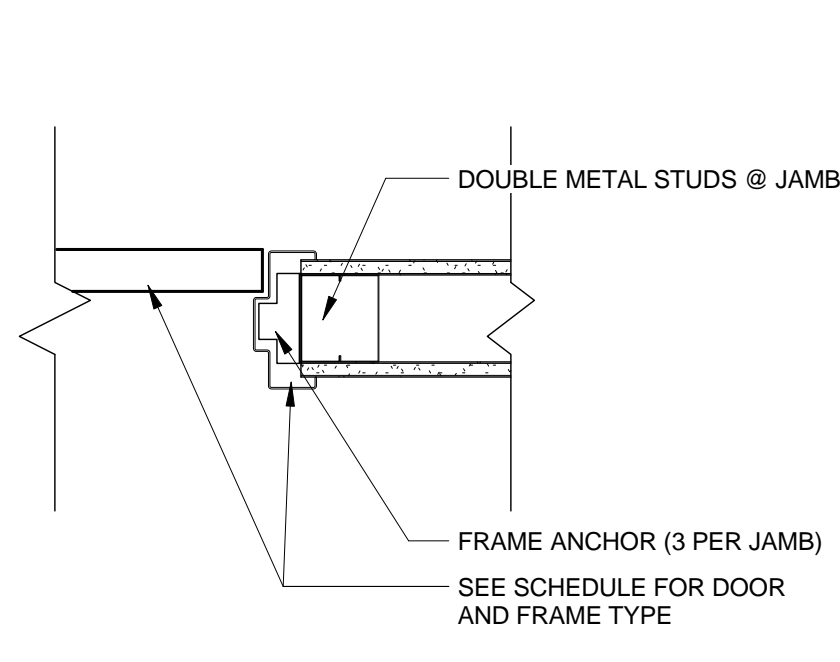
HEAD DETAIL - H1



HEAD DETAIL - H2

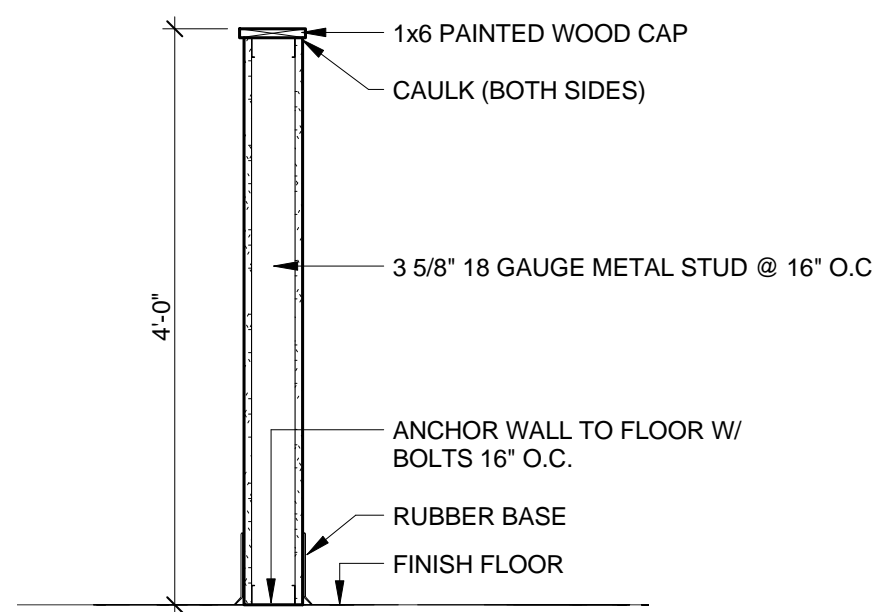


JAMB DETAIL - J1

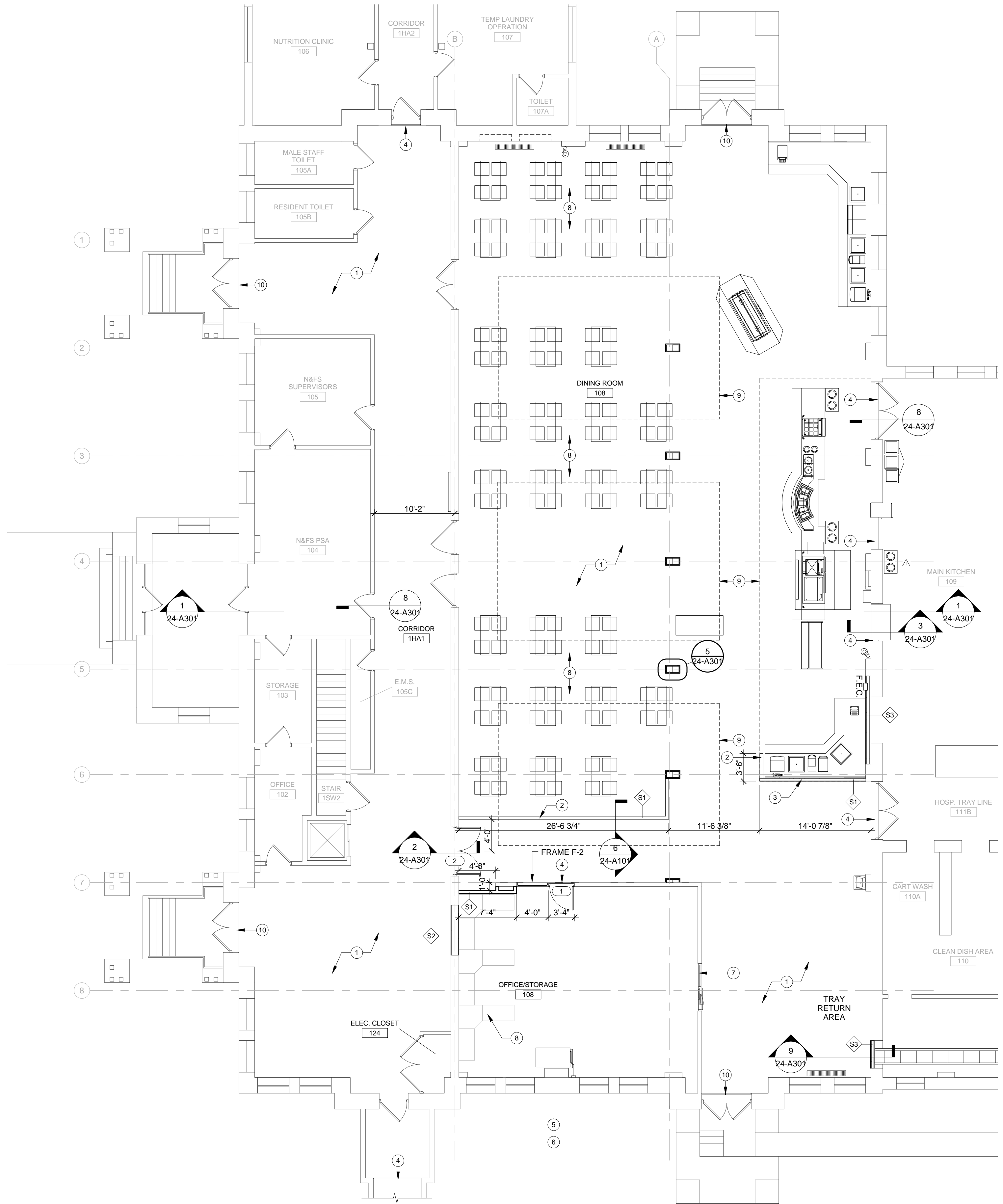


JAMB DETAIL - J2

5 DOOR FRAME DETAILS
1 1/2" = 1'-0"

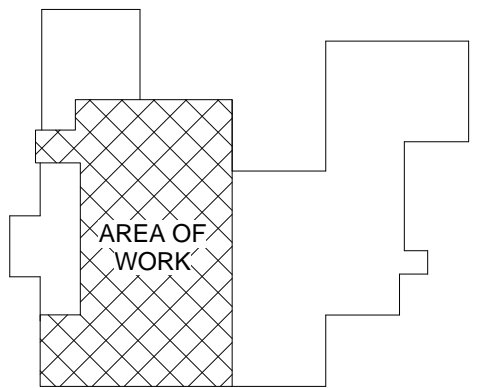


6 DETAIL - PARTIAL HEIGHT WALL
3/4" = 1'-0"



1 PARTIAL FIRST FLOOR - NEW WORK
1/8" = 1'-0"

FLOOR PLAN KEYNOTES:	
1	PROVIDE NEW 1/2" TONGUE & GROOVE PLYWOOD SUBFLOOR AND VCT FLOORING.
2	PROVIDE NEW PARTIAL HEIGHT WALL @ 48" A.F.F. - SEE DETAIL 6/24-A101
3	PROVIDE NEW PARTIAL HEIGHT WALL @ 72" A.F.F. - SIMILAR TO DETAIL 6/24-A101
4	PROVIDE NEW METAL THRESHOLD BETWEEN NEW AND EXISTING FLOORING.
5	NOT USED
6	NOT USED
7	EXISTING SLIDING DOOR TO REMAIN
8	DINING & OFFICE FURNITURE NOT IN SCOPE (TYP.)
9	BULKHEAD ABOVE
10	INSTALL NEW VCT FLOORING UP TO OR UNDER EXISTING THRESHOLDS



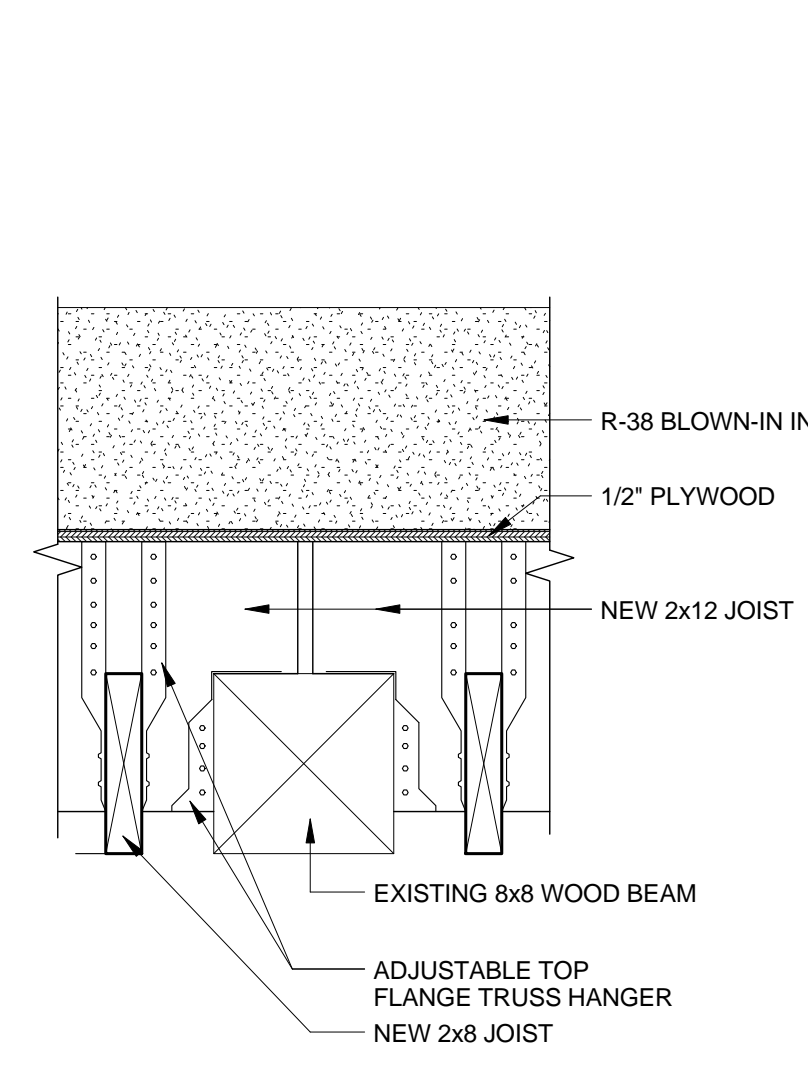
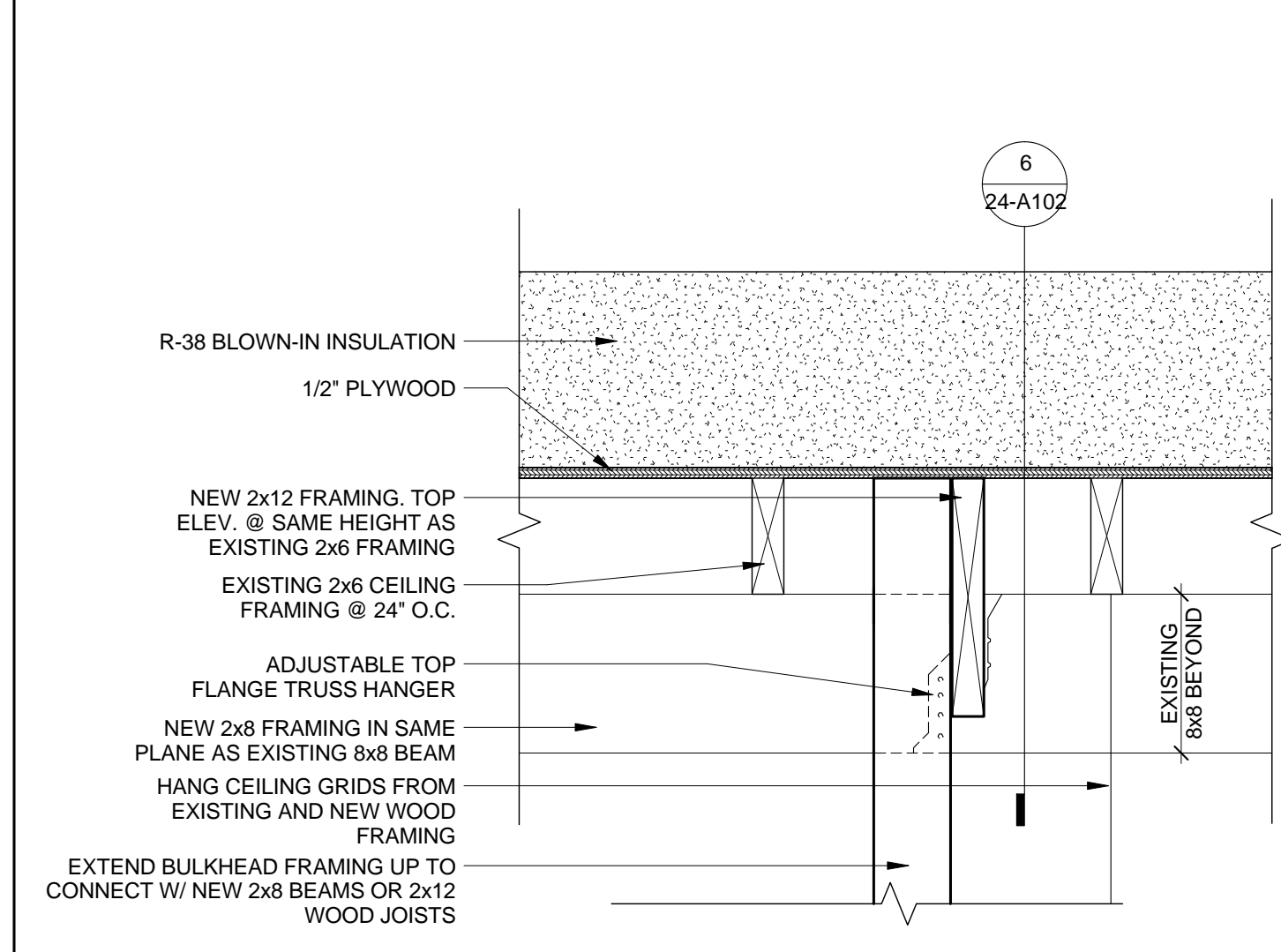
KEY PLAN



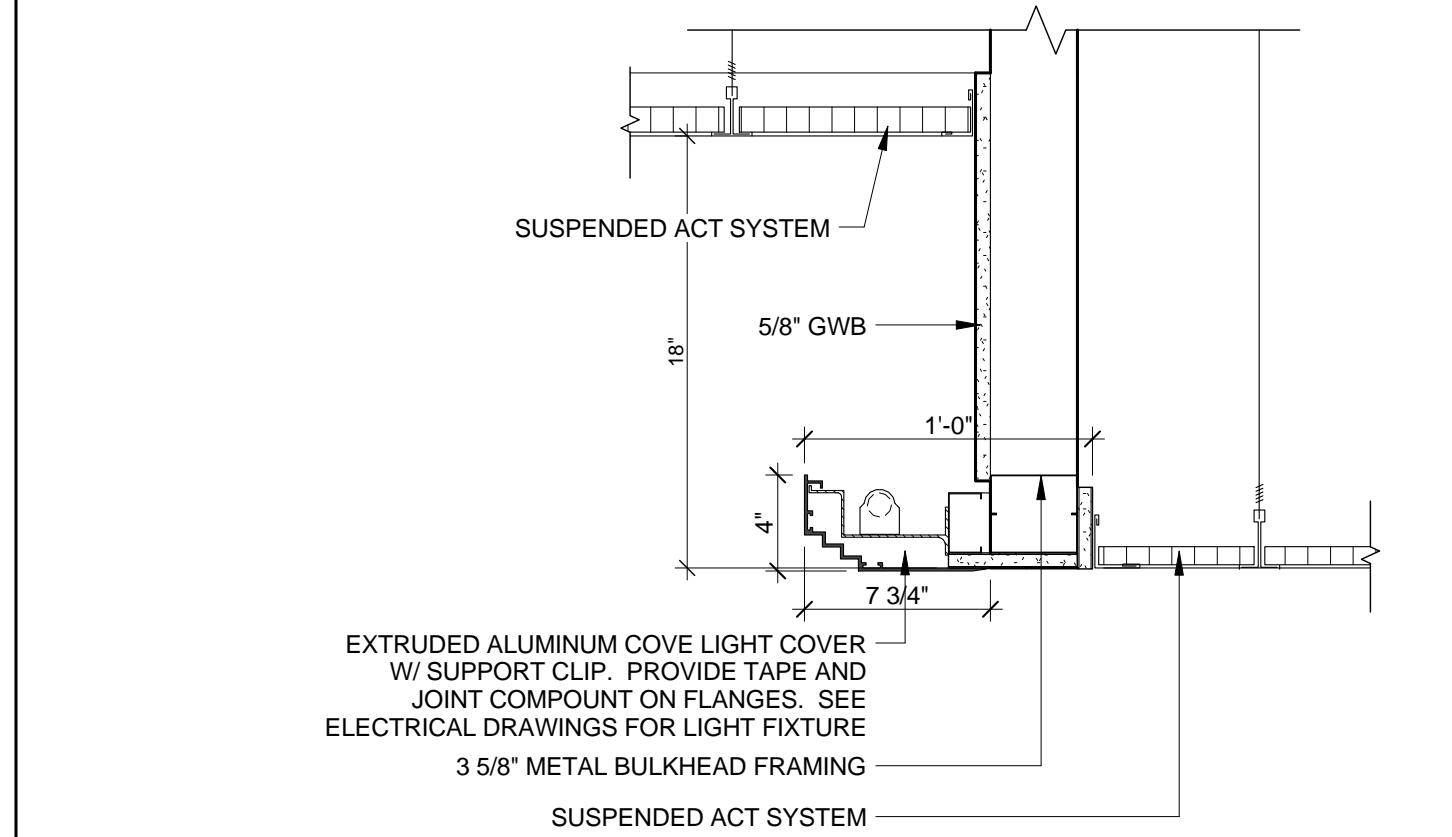
NORTH

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

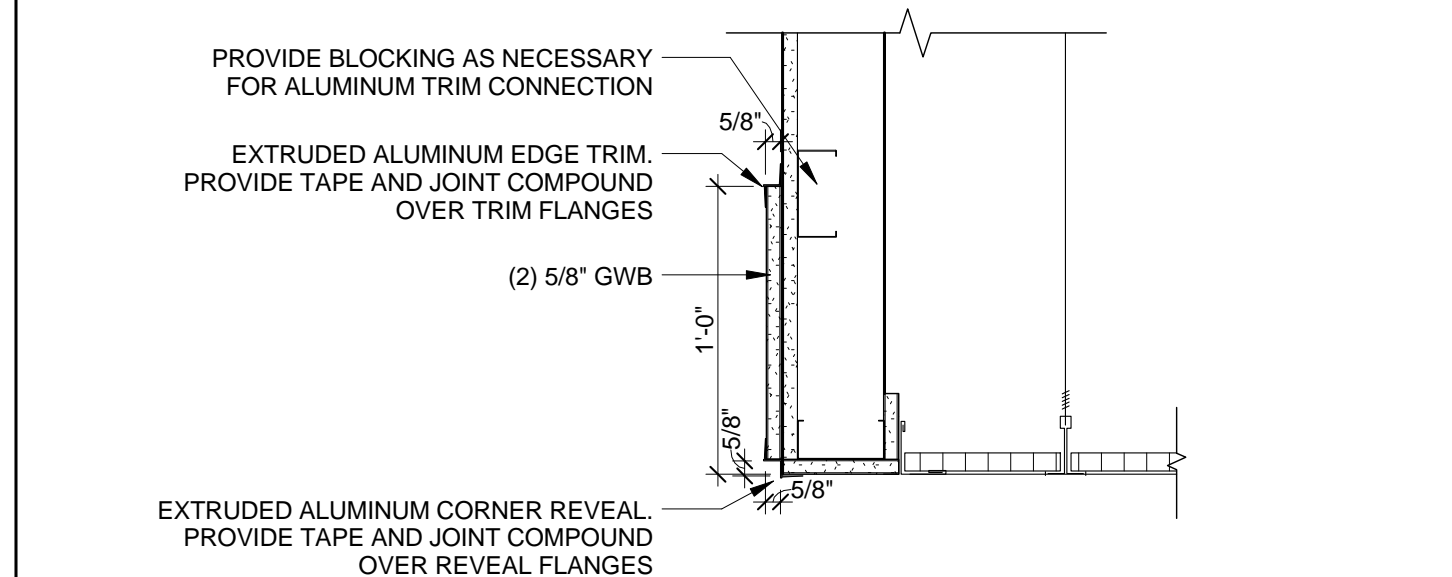
CONSULTANTS:		ARCHITECTS/ENGINEERS:		Drawing Title		Project Title		Date	
COMMERCIAL KITCHEN CONSULTING, LLC 21 POWERS ROAD BRINGHAMTON, NY 13903 (607) 217-5389 CONTACT: MIKE BERARD, KCSI		A E works 6587 HAMILTON AVENUE PITTSBURGH, PENNSYLVANIA 15206 PH: 412.287.7333 FAX: 412.287.7334 www.ae-works.com		NEW WORK PLAN & DETAILS		UPGRADE BUILDING 24 DINING AREA		12/13/2013	
Revisions:		Date		Approved: Facility Manager		Building No. 24		Project No. 12020	
				Approved: Medical Center Director		Checked JD		DRAWING NO. VAMC-528A6-11-614	
						Location 76 VETERANS AVENUE, BATH, NY 14810		24-A101	



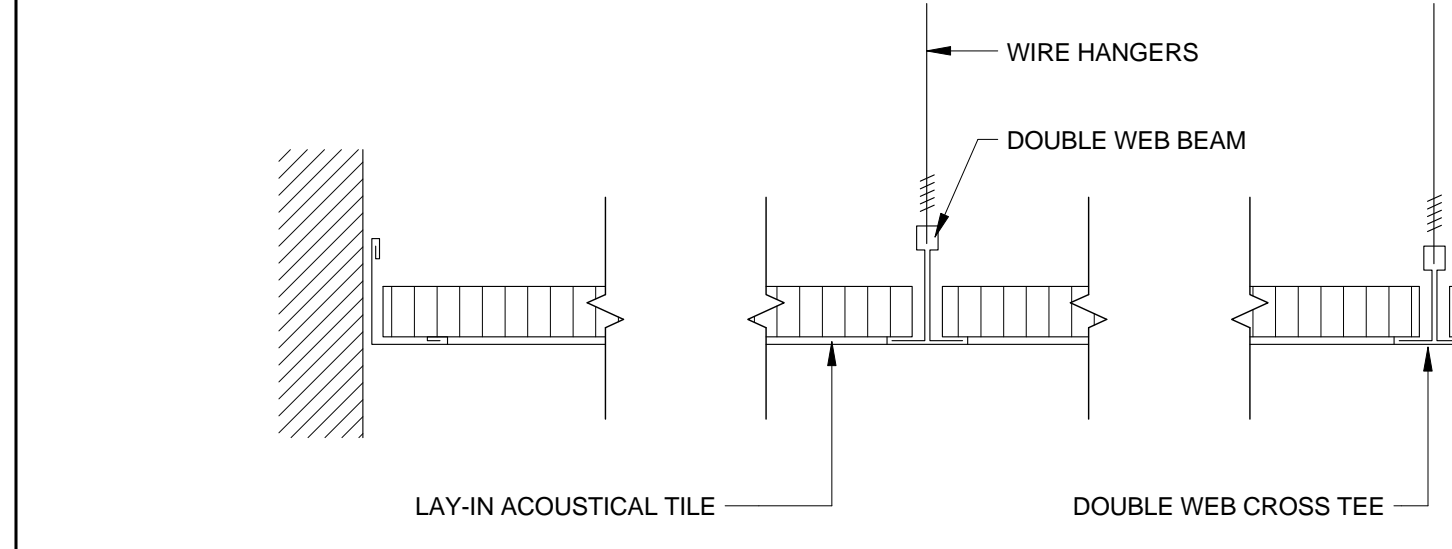
DETAIL 6/24-A102



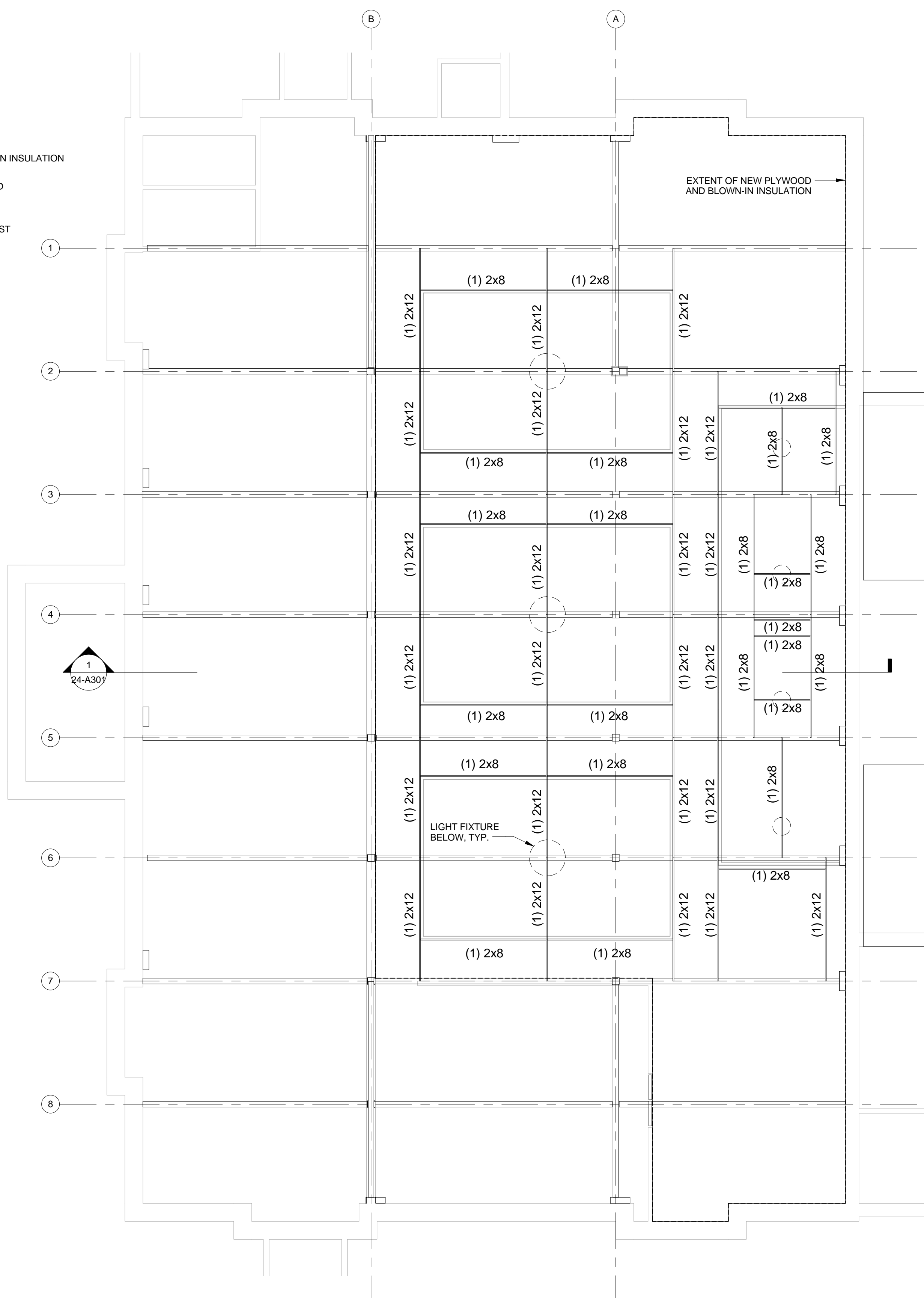
3 HIGH BULKHEAD DETAIL
1 1/2" = 1'-0"



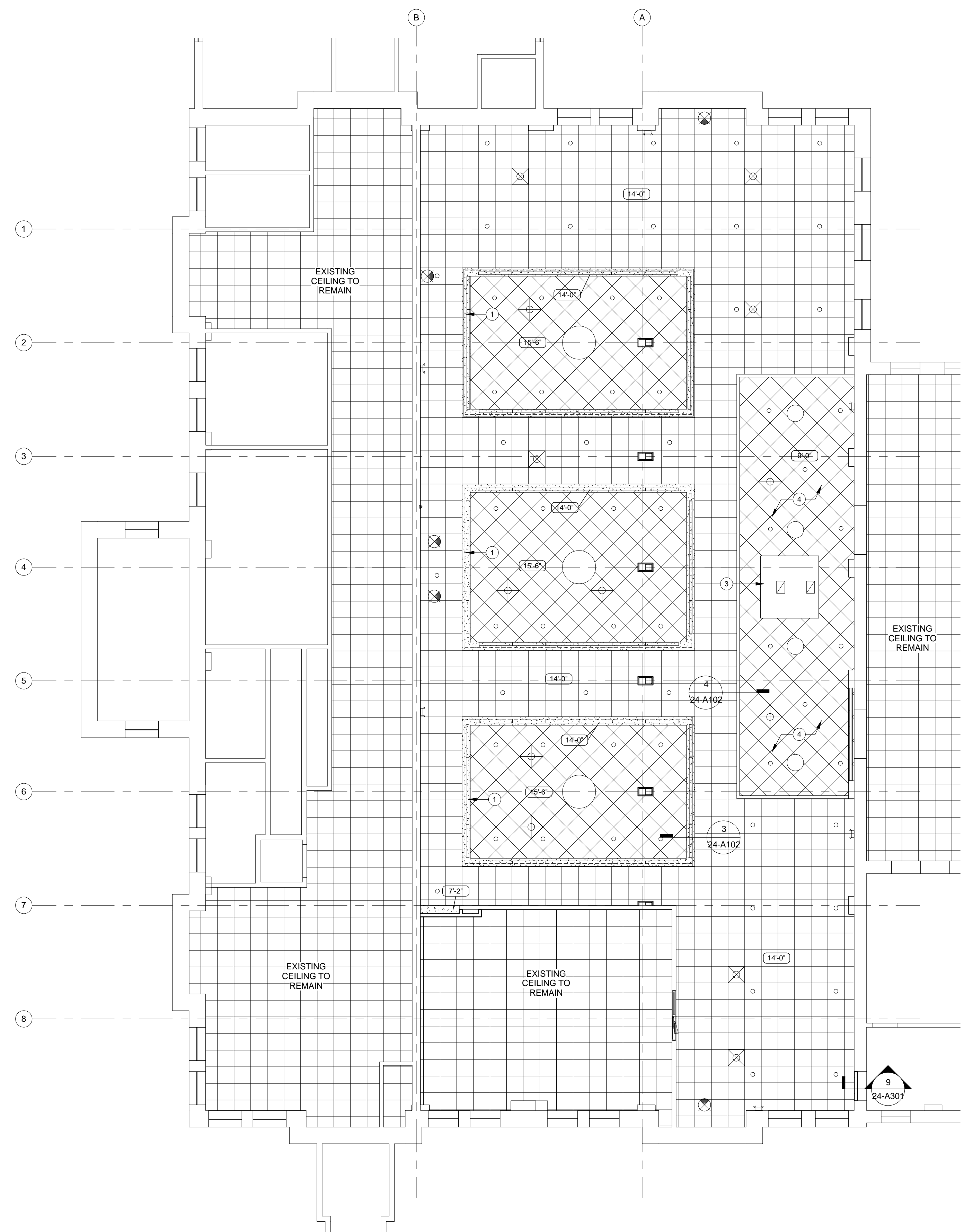
4 LOW BULKHEAD DETAIL
1 1/2" = 1'-0"



5 ACOUSTICAL CEILING TILE INSTALL DETAIL
3" = 1'-0"



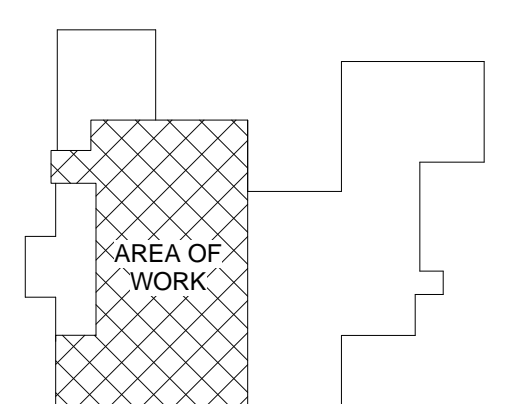
2 FRAMING PLAN
1/8" = 1'-0"



1 PARTIAL REFLECTED CEILING PLAN - NEW WORK
1/8" = 1'-0"

REFLECTED CEILING PLAN KEYNOTES:	
NUMBER	DESCRIPTION
1	GWB COVE FOR LIGHT FIXTURE.
2	NOT USED
3	NEW EXHAUST HOOD
4	ACT-2, CLEANABLE TILES

RCP SYMBOL LEGEND			
	2 x 2 LAY-IN ACOUSTICAL TILE CEILING SYSTEM. SEE ROOM FINISH SCHEDULE FOR SPECIFIC TYPE		SUPPLY AIR DIFFUSER
	GYPSUM BOARD BULKHEAD/ SUSPENDED GYPSUM BOARD SYSTEM		RETURN AIR GRILLE
	CEILING/ BULKHEAD HEIGHT A.F.F.	GENERAL NOTES: 1. SEE FIRE PROTECTION DRAWING SHEETS FOR SPRINKLER HEAD LAYOUT. 2. REFLECTED CEILING PLANS SHOW CEILING MOUNTED ITEMS ONLY. ADDITIONAL WALL MOUNTED LIGHTING, HVAC ITEMS, EXIT SIGNS, ETC. ARE INDICATED ON INDIVIDUAL ELECTRICAL AND HVAC FLOOR PLAN SHEETS.	
			RECESSED LIGHT FIXTURE
			SURFACE MOUNTED LIGHT FIXTURE
			EXIT SIGN



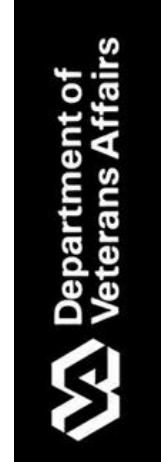
KEY PLAN



NORTH

FULLY SPRINKLERED 100% CONSTRUCTION DOCUMENTS

CONSULTANTS: COMMERCIAL KITCHEN CONSULTING, LLC 21 POWERS ROAD BRINGHAMTON, NY 13903 (607) 217-5389 CONTACT: MIKE BERARD, KCSI		ARCHITECTS/ENGINEERS: A E works 6587 HAMILTON AVENUE PITTSBURGH, PENNSYLVANIA 15206 PH: 412.287.7333 FAX: 412.287.7334 www.ae-works.com		Drawing Title NEW REFLECTED CEILING PLAN & DETAILS Project Title UPGRADE BUILDING 24 DINING AREA Date 12/13/2013 Project No. 12020 DRAWING NO. 24-A102		Approved: Facility Manager Date Building No. 24 Checked JD Drawn PR Approved: Medical Center Director Date Location 76 VETERANS AVENUE, BATH, NY 14810
--	--	--	--	--	--	---



9

2 SECTION - NEW DOOR OPENING
3/4" = 1'-0"

3 SECTION - ENLARGED KITCHEN OPENING
3/4" = 1'-0"

1 TRANSVERSE SECTION
1/8" = 1'-0"

4 TYPICAL COLUMN ELEVATION
1" = 1'-0"

5 TYPICAL COLUMN ENCLOSURE DETAIL
1" = 1'-0"

6 CORNER GUARD DETAIL
1/4" = 1'-0"

7 FLOORING DETAIL

NEW TO EXISTING VCT TRANSITION

NEW VCT TO EXISTING QUARRY TILE TRANSITION

9 CONCRETE CURB DETAIL
1" = 1'-0"

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

[illegible]

three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one sixteenth inch = one foot

A
B
C
D
E
F

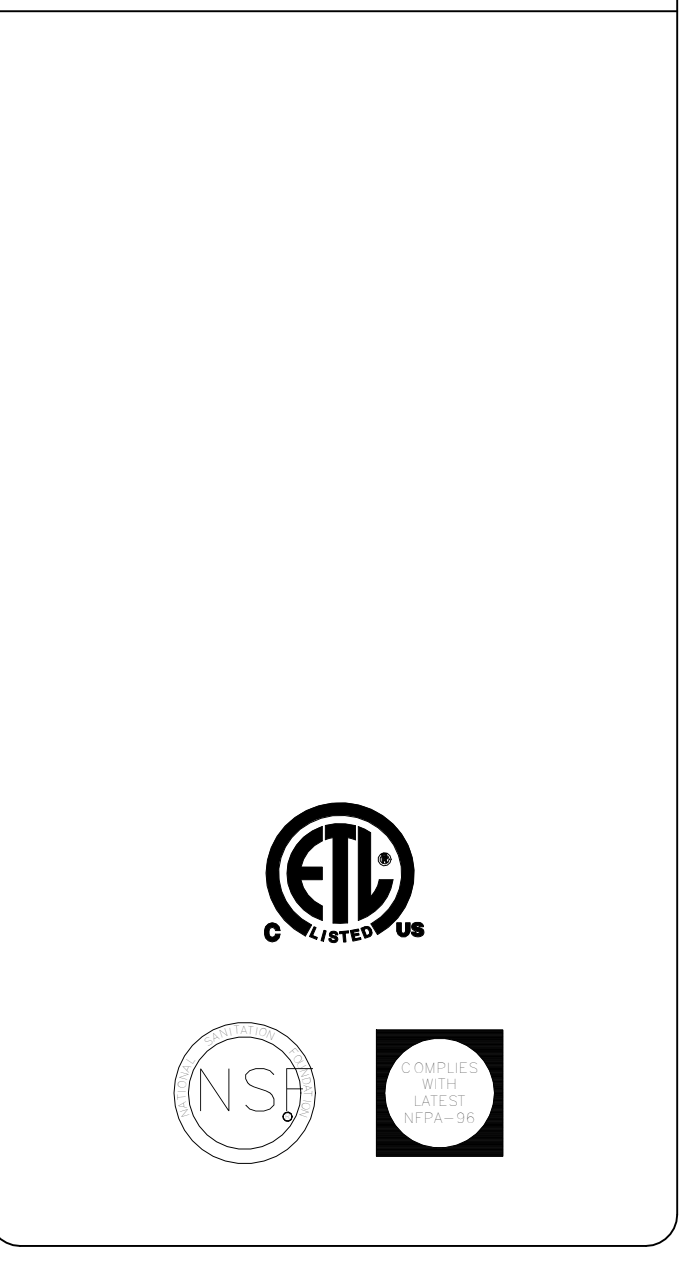
HOOD INFORMATION TABLE																			
HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS						GREASE EXTRACTOR			SUPPLY AIR REQUIREMENTS						HOOD CONSTRUCTION	HOOD WEIGHT (LBS)	PLENUM WEIGHT (LBS)
		EXHAUST CFM	T.A.B. PORT STATIC PRESSURE	TOTAL HOOD STATIC PRESSURE	EXHAUST COLLAR			QTY.	SIZE		TYPE	SUPPLY CFM	SUPPLY STATIC PRESSURE	SUPPLY COLLAR					
					QTY.	LENGTH	WIDTH		L	H				QTY.	LENGTH	WIDTH			
5	KVW	2542	.20"	.31"	1	17"	12"	8	20"	13"	KSA	1471	.25"	1	18"	12"	ALL 18GA. 304 S.S.	712	150
-	-	-	-	-	-	-	-	-	11"	13"	KSA	-	-	-	-	-	ALL 18GA. 304 S.S.	-	-
-	-	-	-	-	-	-	-	-	11"	13"	KSA	-	-	-	-	-	ALL 18GA. 304 S.S.	-	-
-	-	-	-	-	-	-	-	-	11"	13"	KSA	-	-	-	-	-	ALL 18GA. 304 S.S.	-	-
-	-	-	-	-	-	-	-	-	11"	13"	KSA	-	-	-	-	-	ALL 18GA. 304 S.S.	-	-
TOTAL EXH. CFM = 2542		TOTAL SUPPLY CFM = 1471																	

TOTAL EXH. CFM = 2542

TOTAL SUPPLY CFM = 1471

ELECTRICAL CONNECTION SCHEDULE			
CONNECTION #	CONNECTION DESCRIPTION	FROM	TO
E1-H	120V, 15AMP - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #5

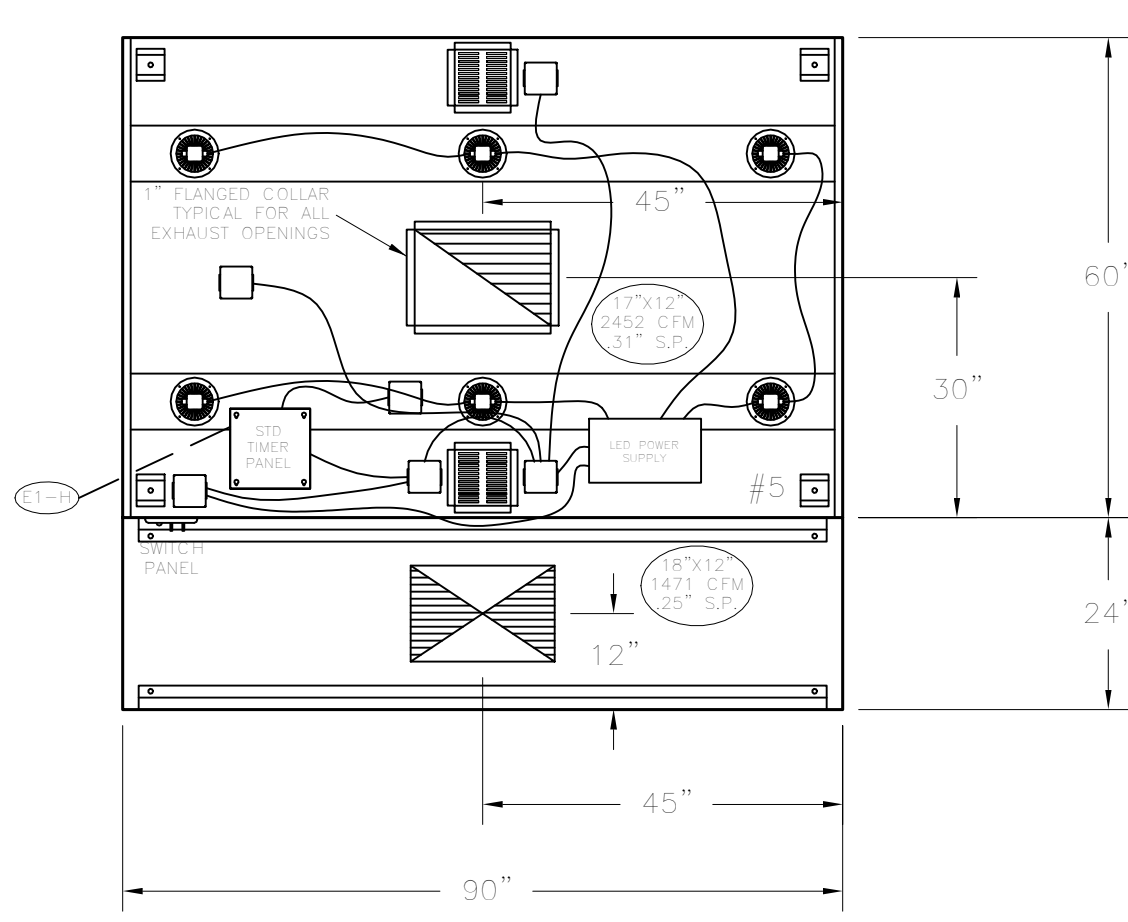
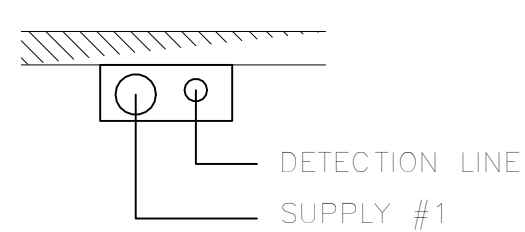
- GENERAL SPECIFICATIONS
- HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96 AND UL 710 STANDARD.
 - HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #3085193CLE-002
 - ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.
 - THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT.
 - ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.
 - CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.
 - FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.
 - PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.



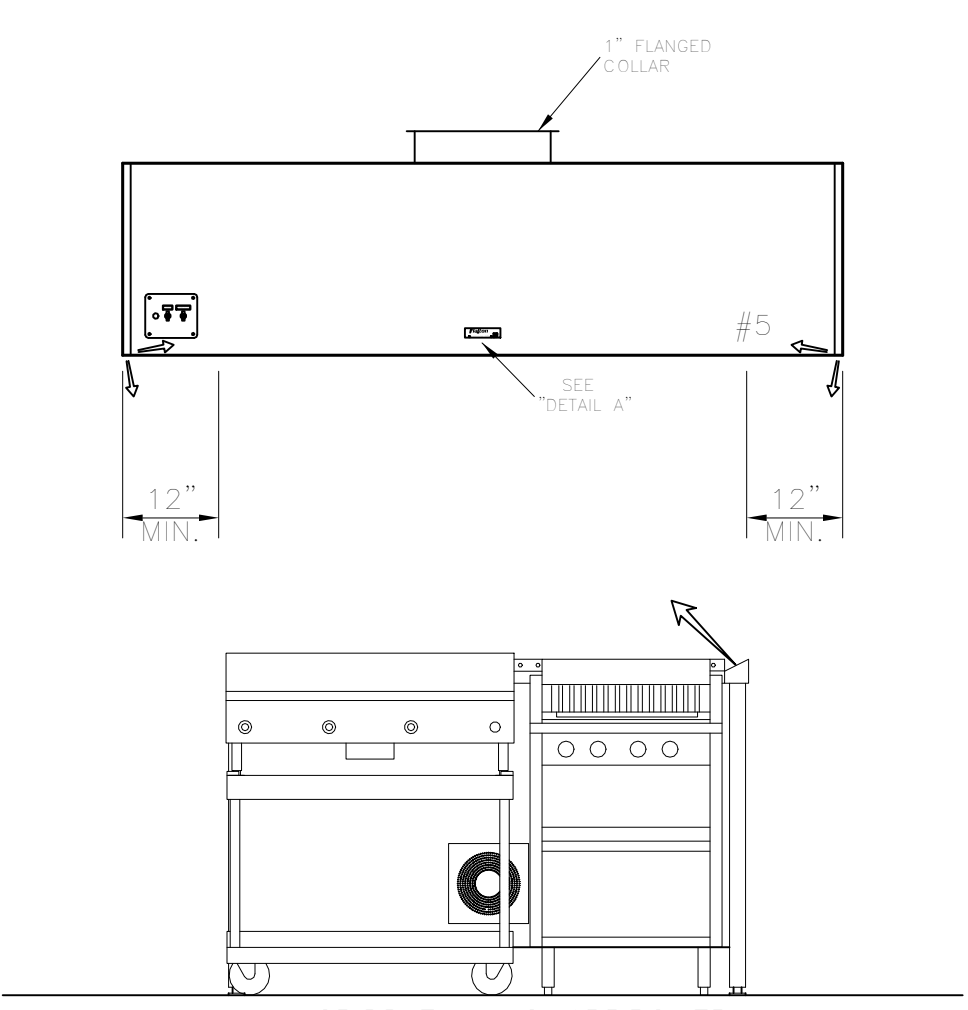
ELECTRICAL EQUIPMENT REQUIREMENTS	
FLUORESCENT LIGHT FIXTURE 40 WATT MAX BULB= .87 AMP EA.	
RECESSED INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB= 1.25 AMP EA.	
GLOBE INCANDESCENT LIGHT FIXTURE 100 WATT MAX BULB= .83 AMP EA.	
LED LIGHT FIXTURES= .30 AMP EA.	
CAPTURE JET FAN= .72 AMP EA.	
ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP	
LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS	

CEILING HEIGHT NOTE
HOOD WPL IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE VERIFIED.

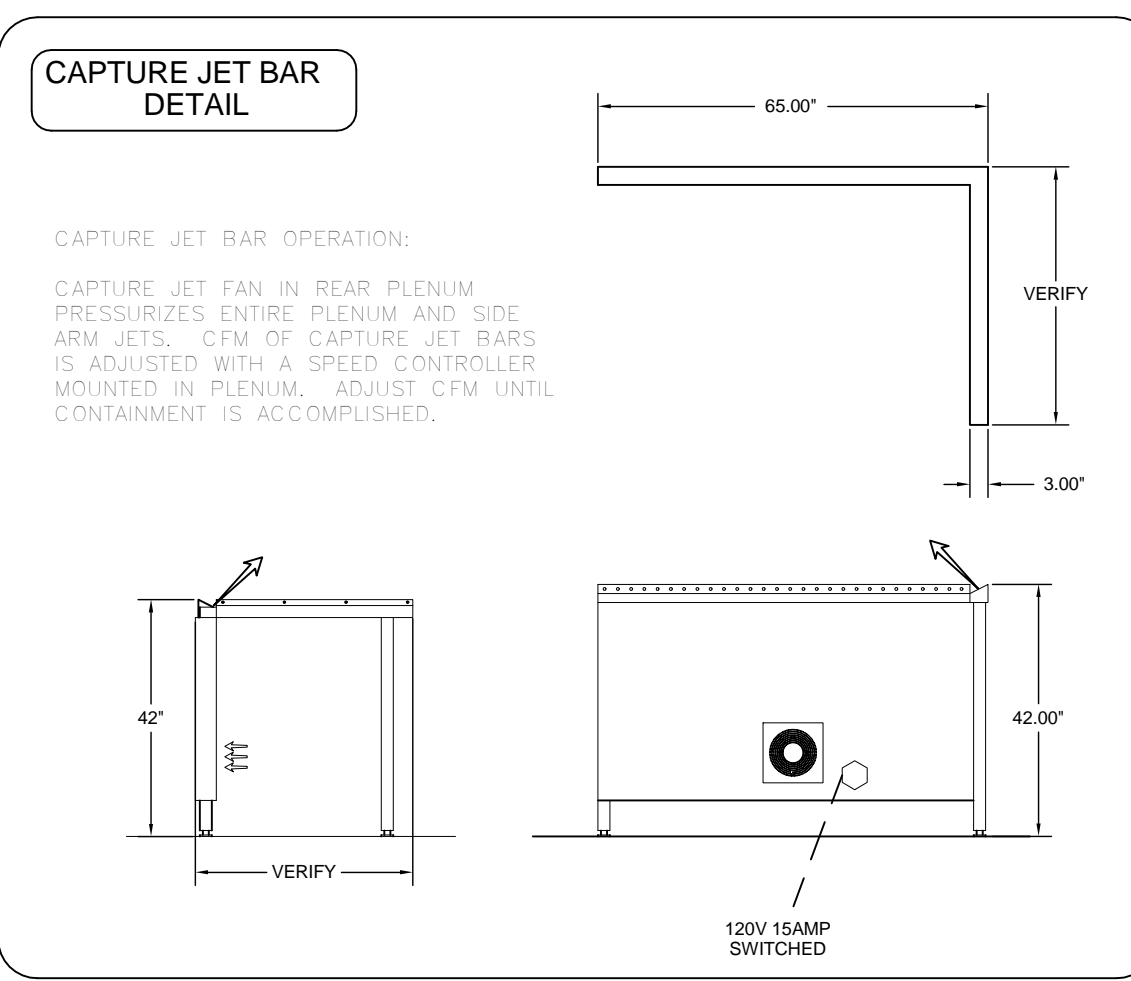
ANSUL R-102 SYSTEM
REMOTE MOUNTED:
(1) REGULATED RELEASE (WITH ONE TANK)



ITEM # 5
PLAN VIEW

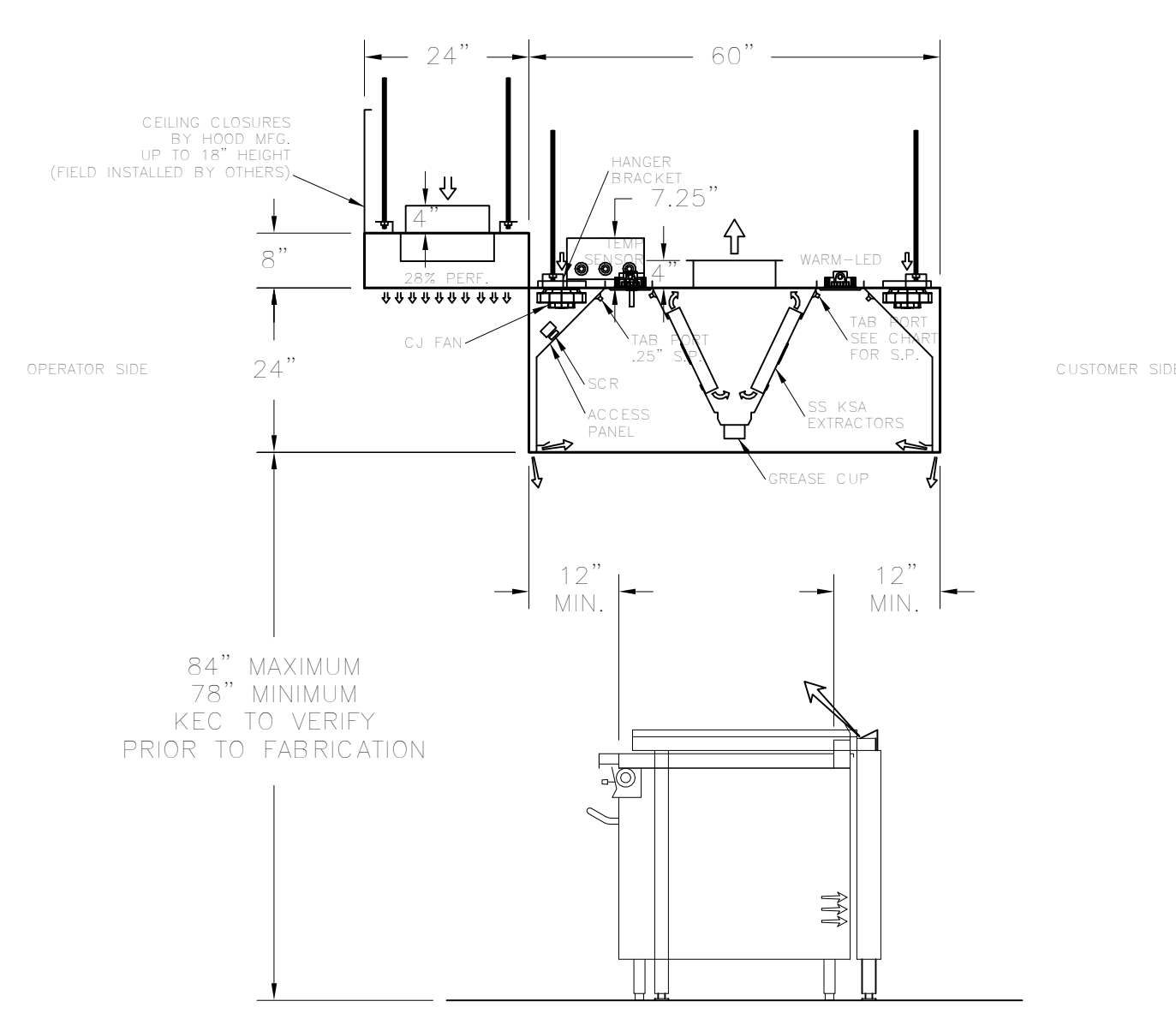


ITEM # 5
ELEVATION VIEW

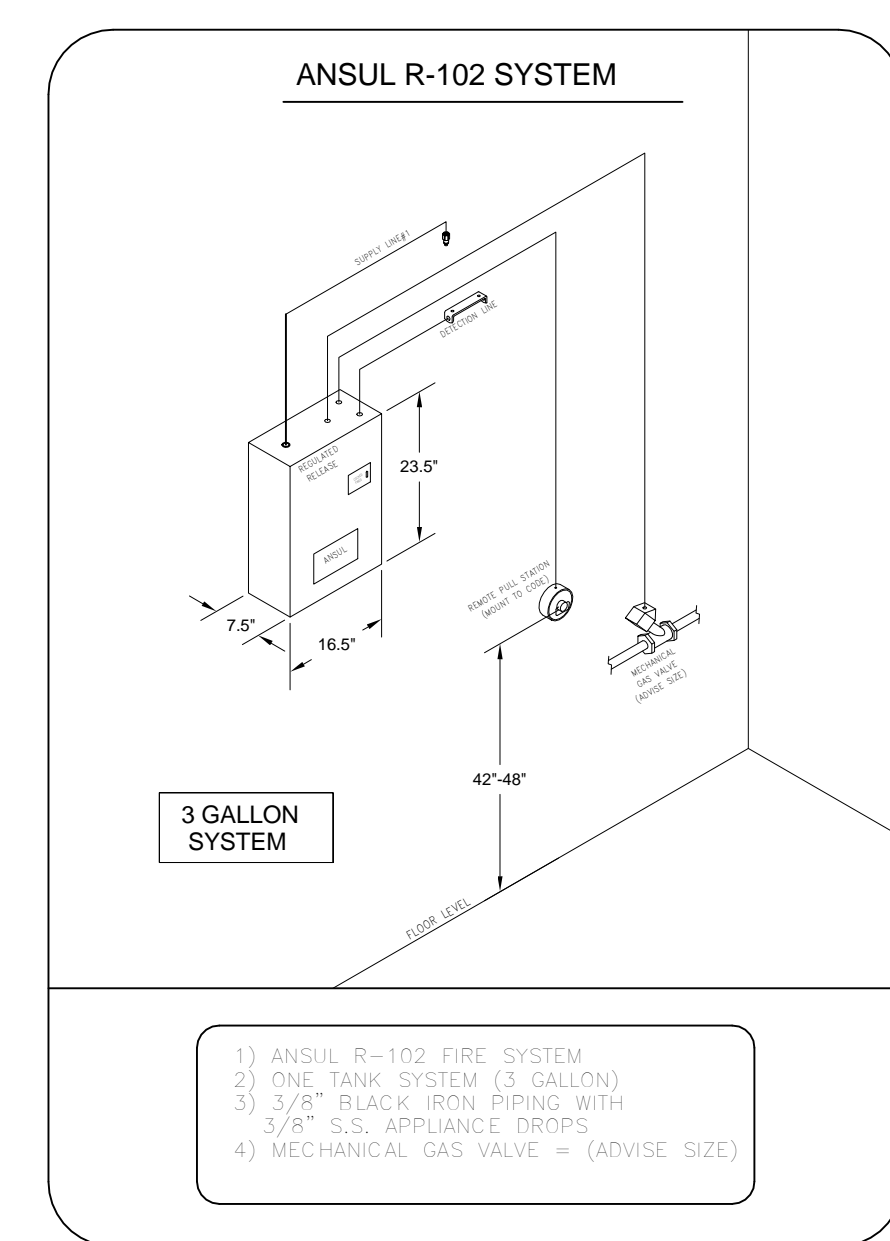


EXHAUST HOOD MUST BE INSTALLED SO THAT THE COOKING EQUIPMENT IS CENTERED UNDER THE EXHAUST HOOD ARMS.

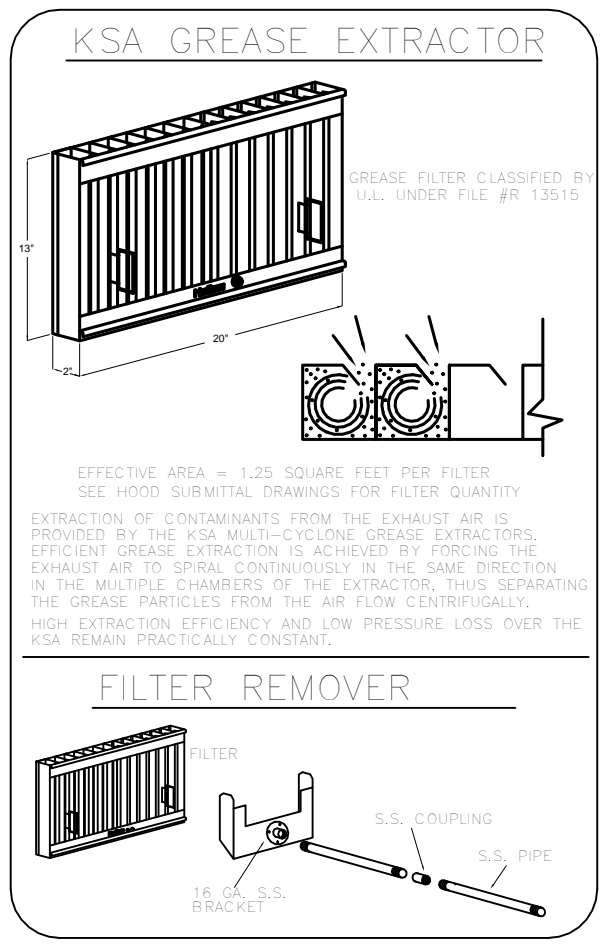
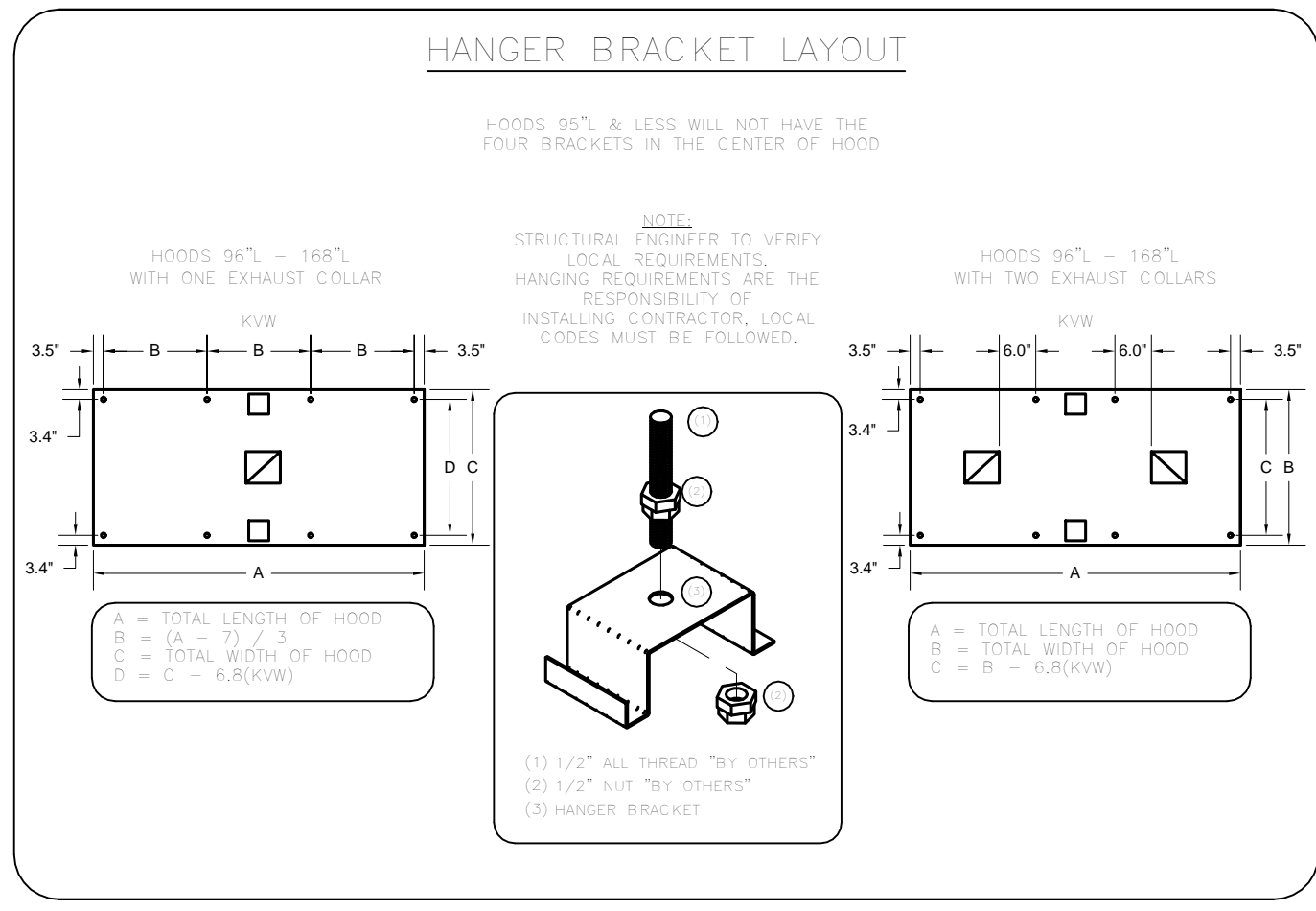
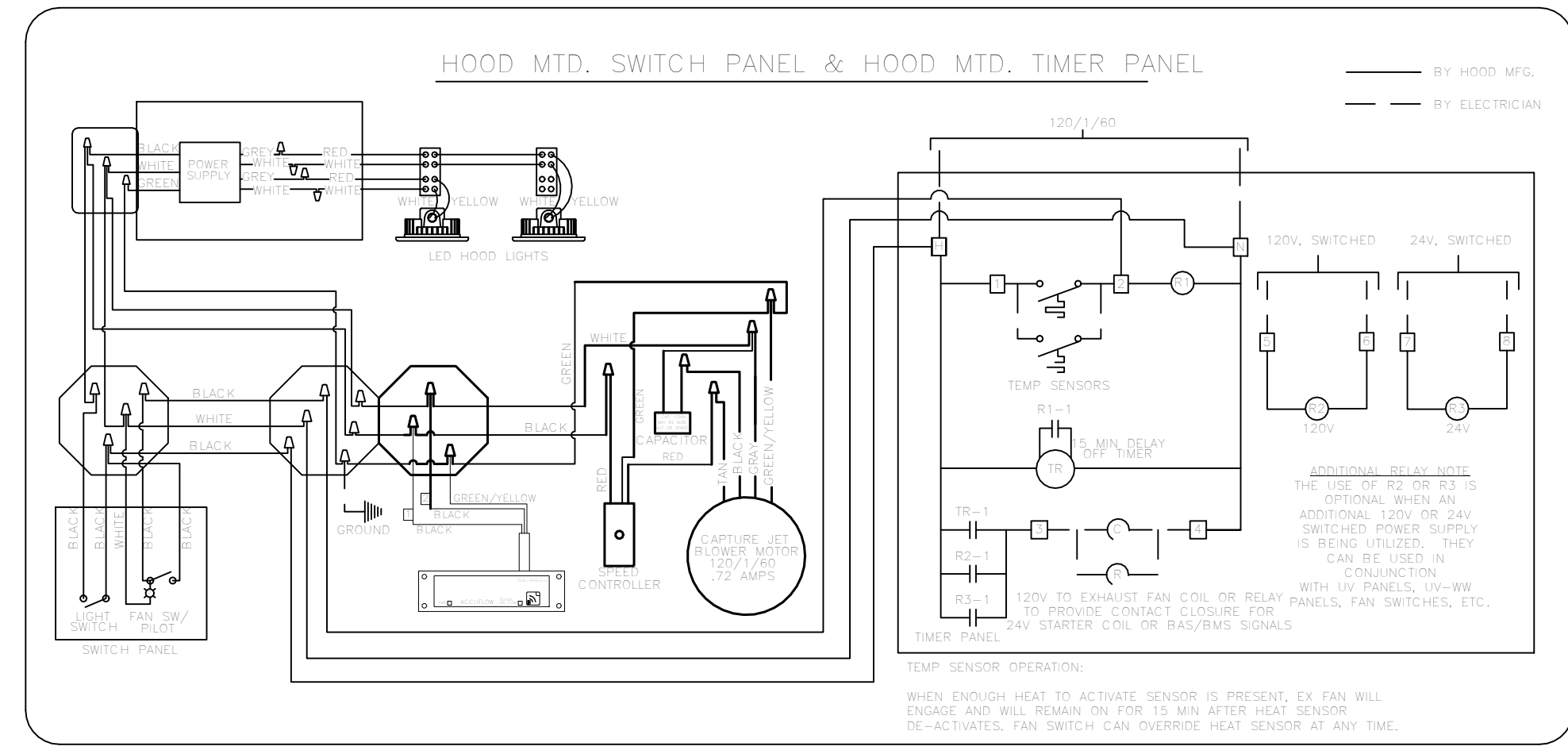
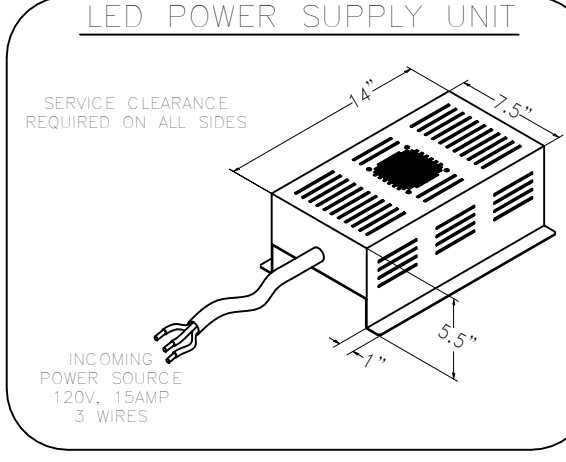
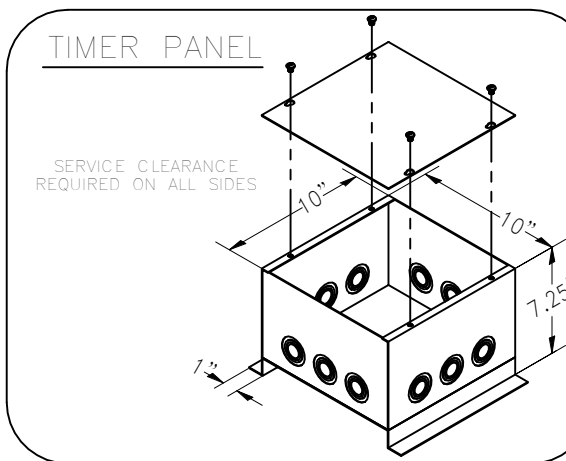
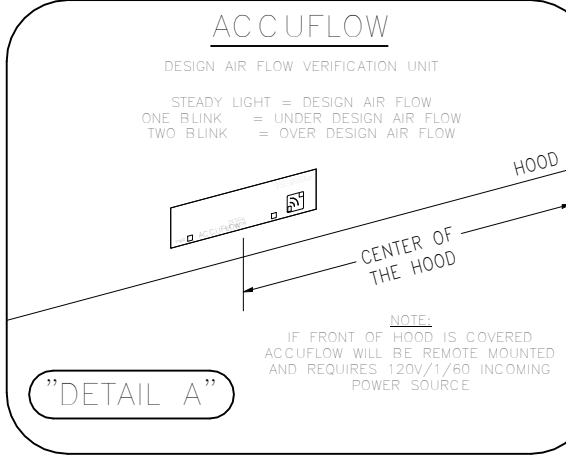
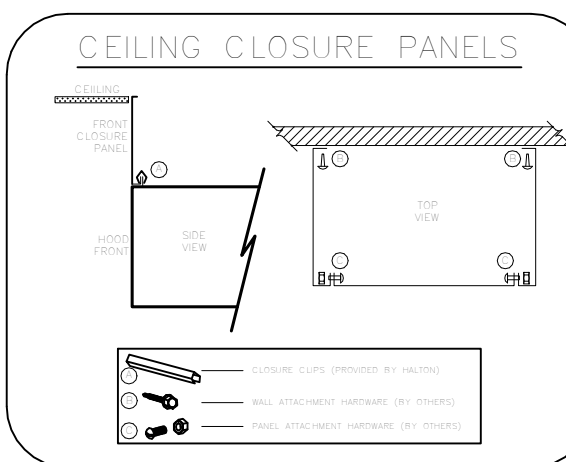
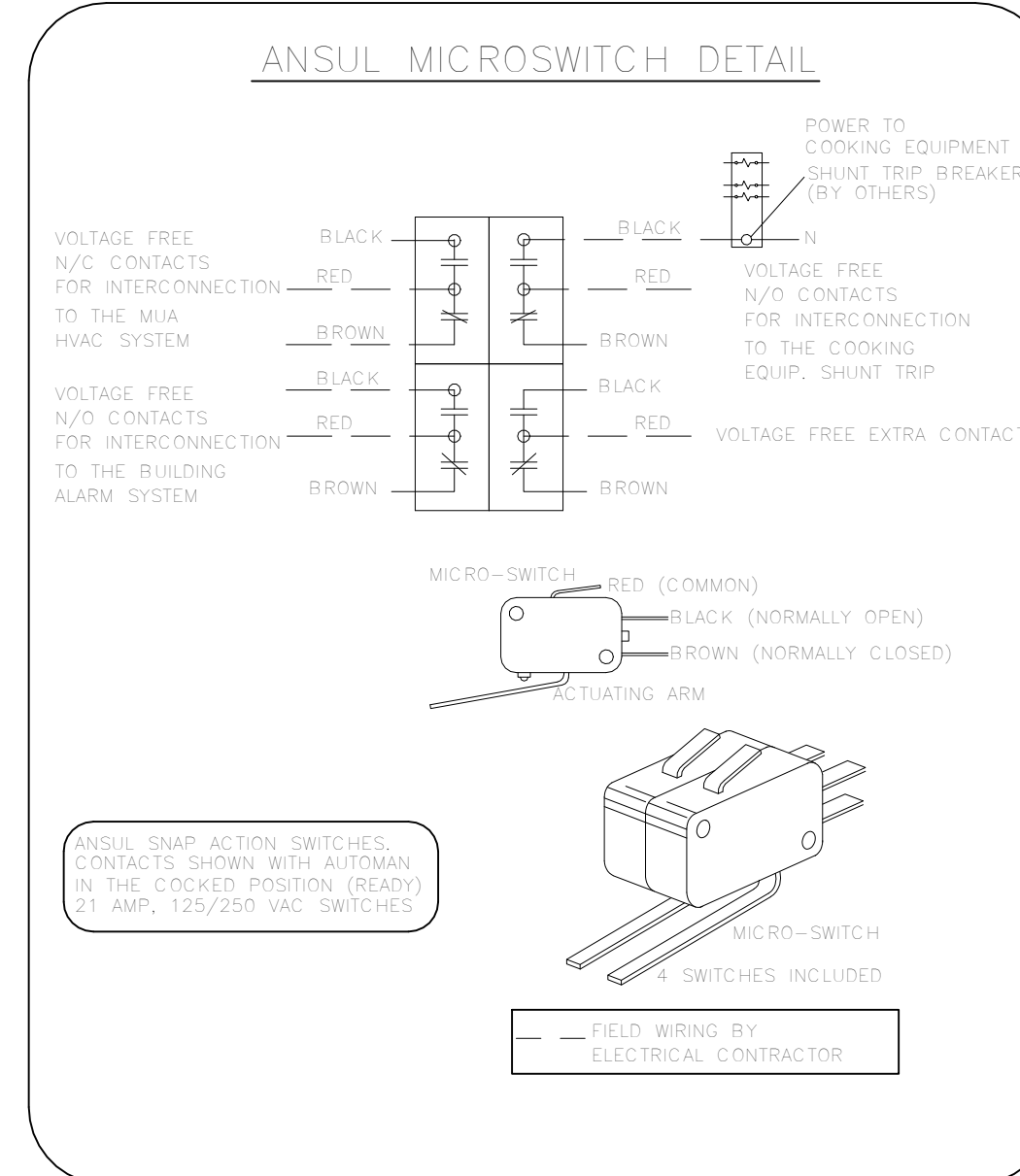
NOTE
T-STAT IS FACTORY PRE-SET FOR 95 DEGREES. IF SPACE CONDITIONS EXCEED 95 DEGREES WITHOUT COOKING TAKING PLACE, THEN A FIELD ADJUSTMENT OF THE T-STAT WILL BE REQUIRED BY PERSONNEL OTHER THAN HALTON. T-STAT IS A SAFETY INTERLOCK ONLY - IT IS NOT INTENDED AS A PRIMARY MEANS OF ENGAGING THE EXHAUST FAN.



ITEM # 5
SECTION VIEW



- ANSUL R-102 FIRE SYSTEM
- ONE-TANK SYSTEM (3 GALLON)
- 3/4" BLACK IRON PIPING WITH 3/8" S.S. APPLIANCE DROPS
- MECHANICAL GAS VALVE - (ADVISE SIZE)



PERFORMANCE CRITERIA

MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST APPLY FOR PERMISSION TO DO SO IN WRITING FROM THE OFFICE OF THE SPECIFYING CONSULTANT. APPLICATION MUST BE RECEIVED BY THE CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. ANY ALTERNATE SYSTEM MUST MEET CONSTRUCTION AND PERFORMANCE REQUIREMENTS AND EFFICIENCIES AS OUTLINED IN THIS SPECIFICATION.

REQUESTS FOR APPROVAL MUST INCLUDE GREASE FILTRATION PERFORMANCE DATA (MICRON SIZE VS. EXTRACTION EFFICIENCY) AND MANUFACTURERS OWN EXHAUST AIR FLOW CALCULATIONS BASED ON THE CONVECTIVE HEAT LOAD OF COOKING EQUIPMENT FREELY THE HOOD.

EFFICIENCY COMPARISON DATA TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT ASTM STANDARD F1704 AND INCLUDE RESULTS FOR THE REQUIRED CAPTURE AND CONTAINMENT EXHAUST AIR FLOW IN ACCORDANCE WITH THE TEST METHOD TO DETERMINE THE THRESHOLD OF CAPTURE AND CONTAINMENT. DATA MUST INCLUDE THERMAL IMAGING RESULTS VALIDATING CONFORMANCE TO ASTM F1704 AND SUPPLY AIR TEMPERATURE REQUIREMENT OF 74°F.

MAKE UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED BY THE SPECIFIED SYSTEM. AN ADDITIONAL LOAD CANNOT BE PLACED ON THE EXHAUST SYSTEM.

MANUFACTURER MUST PROVIDE A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER THAT THE SYSTEM WILL PERFORM TO THE ENGINEER'S SATISFACTION WHEN INSTALLED AND BALANCED ACCORDING TO DESIGN AIR FLOWS AND RESULTS OF ASTM STANDARD F1704 TEST, (AS DETERMINED BY TAB PORTS AND PRESSURE VS. AIR FLOW CURVES). CONSULTANT RESERVES THE RIGHT TO REJECT ANY SYSTEM WHICH, WHEN INSTALLED, DOES NOT PROVIDE CAPTURE AND CONTAINMENT AT THE THRESHOLD FLOW RATE DETERMINED IN ASTM F1704. REJECTED SYSTEM MUST BE REPLACED WITH SPECIFIED SYSTEM WITH ALL REPLACEMENT COSTS PAID BY MANUFACTURER OF REJECTED SYSTEM.

ANY CHANGES IN THE SPECIFIED SIZING OF POWER WIRING, FAN SIZE, HORSEPOWER REQUIREMENTS, OR GAS LINES DUE TO THE USE OF ANY SYSTEM OTHER THAN THAT WHICH IS SPECIFIED IS THE RESPONSIBILITY OF THE ALTERNATE HOOD MANUFACTURER, AND MUST BE COORDINATED BY THE HOOD MANUFACTURER AND CONTRACTORS INVOLVED.

Revisions:		Date

CONSULTANTS:

COMMERCIAL KITCHEN CONSULTING, LLC
21 POWERS ROAD
BRINGHAMTON, NY 13903
(607) 217-5389

CONTACT: MIKE BERARD, KCSI

ARCHITECTS/ENGINEERS:

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PH: 412.287.7333 FAX: 412.287.7334
www.ae-works.com

Drawing Title FOOD SERVICE EQUIPMENT - EXHAUST HOOD DETAILS		Project Title UPGRADE BUILDING 24 DINING AREA		Date 12/13/2013
Approved: Facility Manager	Date	Building No. 24	Checked Checker	Drawn Author
Approved: Medical Center Director	Date	Location 76 VETERANS AVENUE, BATH, NY 14810	DRAWING NO. VAMC-528A6-11-614	
		24-QC501		



FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

1

2

3

4

5

6

7

8

9

1

6

three inches = one foot

1

0

one and one half inch = one foot

2

0

one inch = one foot

2

0

three quarters inch = one foot

4

0

one half inch = one foot

4

0

three eighths inch = one foot

8

0

one quarter inch = one foot

16

0

one eighth inch = one foot

3

QC502

1

6

three inches = one foot

4

QC502

1

PLAN VIEW

SCALE: 3/4" = 1'-0"

2

QC502

TRAY & SILVER

SATION

Z-1 CENTER SUPPORT

1/6 S/S-1 PAN

48 1/2"

18 1/2"

18 1/2"

18 1/2"

4

QC502

2

ELEV.

SCALE: 3/4" = 1'-0"

Z-1

PL-1 EXT. CARCASS

TB-1 TOE BASE

48 1/2"

PL-1 EXT. CARCASS

4

QC502

4

ELEV.

SCALE: 3/4" = 1'-0"

Z-1

C-1

PL-1 EXT. CARCASS

S/S-1-1 BAND

TB-1 TOE BASE

3

QC502

3

ELEV.

SCALE: 3/4" = 1'-0"

Z-1

Z-1 CENTER SUPPORT

S/S-1 SILVERWARE HOLDER

LINE OF FIN END BEYOND

1/8" X 1/4" S/S-1-1 TRAY RUNNERS

C-1

LINE OF PL-1 CENTER DIVIDER

PL-1

PL-3 DEAD SPACE

PL-1

PL-3 DEAD SPACE

PL-1

TB-1 TOE BASE

TB-1 TOE BASE

5

QC502

5

SECTION

SCALE: 3/4" = 1'-0"

CONSULTANTS:

COMMERCIAL KITCHEN CONSULTING, LLC
21 POWERS ROAD
BRINGHAMTON, NY 13903
(607) 217-5389

CONTACT: MIKE BERARD, KCSI

ARCHITECTS/ENGINEERS:

A | E works

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PITTSBURGH, PENNSYLVANIA 15206
PH: 412.287.7333 FAX: 412.287.7334
www.ae-works.com

Drawing Title
FOOD SERVICE EQUIPMENT -
TRAY & SILVERWARE STATION

Approved: Facility Manager
Approved: Medical Center Director

Date
Date

Date
Date

Project Title
UPGRADE BUILDING 24
DINING AREA

Building No.
24

Location
76 VETERANS AVENUE, BATH, NY 14810

Date
12/13/2013

Project No.
12020

DRAWING NO.
VAMC-528A6-11-614

24-QC502

Department of Veterans Affairs

VA FORM 08-6231

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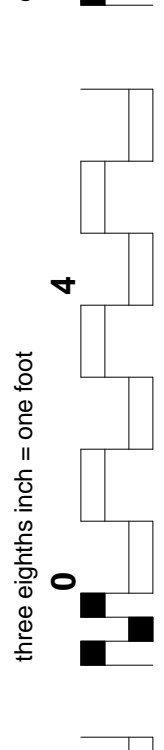
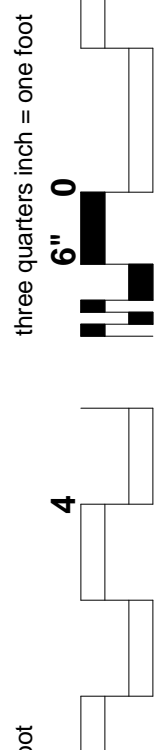
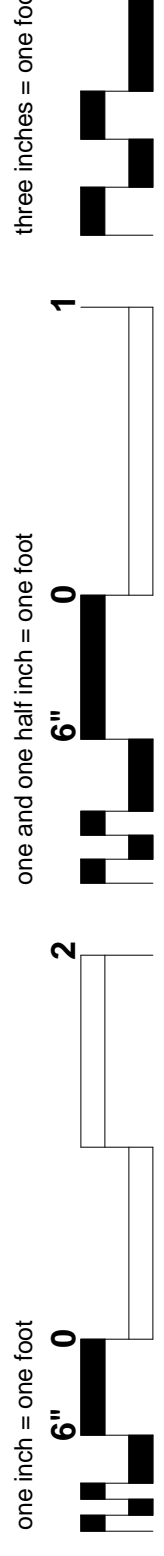
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


one eighth inch = one foot

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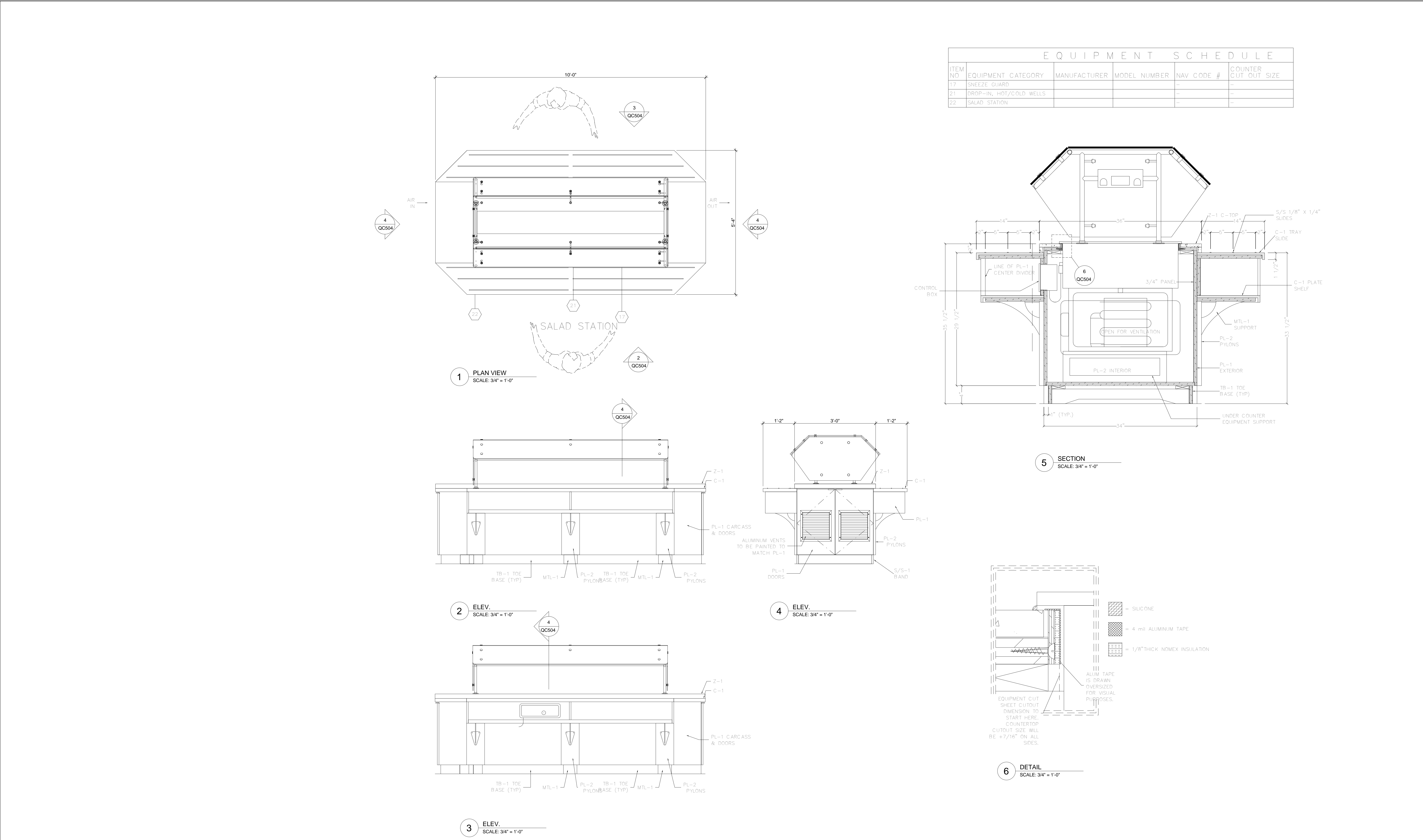
6587 HAMILTON AVENUE
PITTSBURGH, PENNSYLVANIA 15206
PH: 412.287.7333 FAX: 412.287.7334
www.ae-works.com

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Department of
Veterans Affairs

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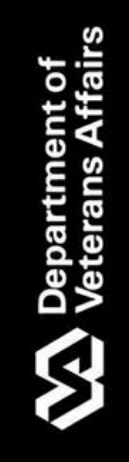
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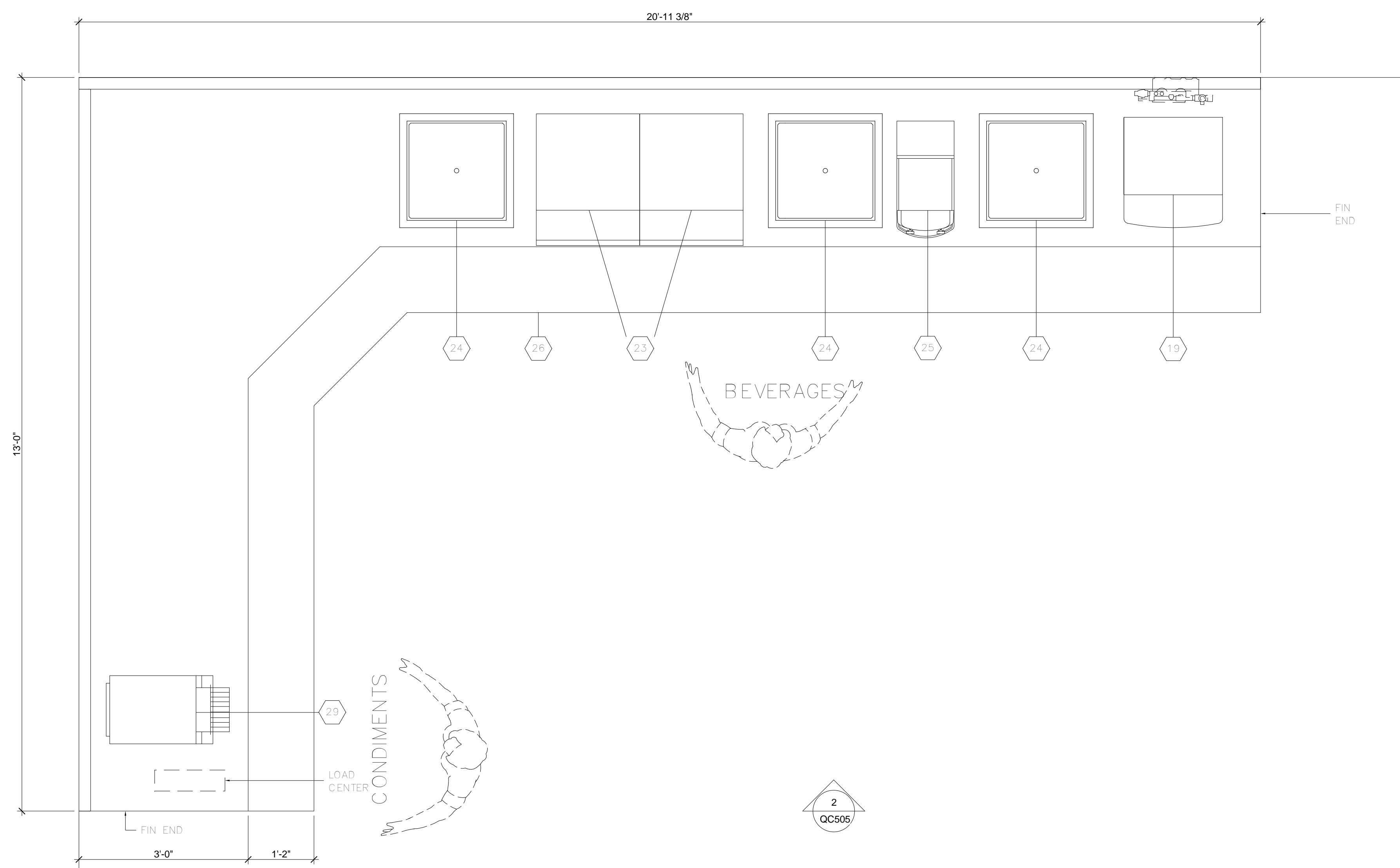


EQUIPMENT SCHEDULE					
ITEM NO.	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	NAV CODE #	COUNTER CUT OUT SIZE
17	SNEEZE GUARD			-	-
21	DROP-IN, HOT/COLD WELLS			-	-
22	SALAD STATION			-	-

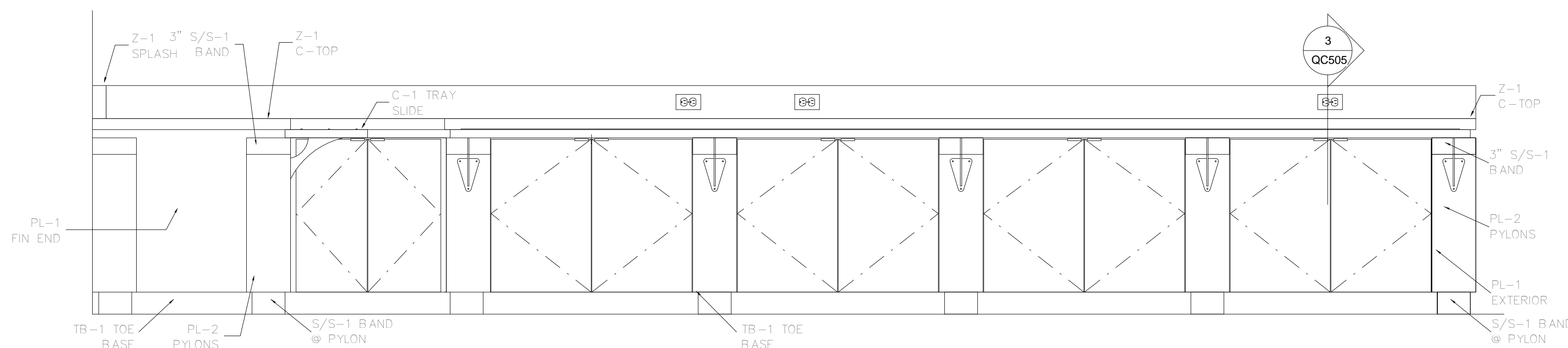
CONSULTANTS:		ARCHITECTS/ENGINEERS:		Drawing Title FOOD SERVICE EQUIPMENT - SALAD BAR STATION		Project Title UPGRADE BUILDING 24 DINING AREA		Date 12/13/2013	
COMMERCIAL KITCHEN CONSULTING, LLC 21 POWERS ROAD BRINGHAMTON, NY 13903 (607) 217-5389		A E works 6587 HAMILTON AVENUE PITTSBURGH, PENNSYLVANIA 15206 PH: 412.287.7333 FAX: 412.287.7334 www.ae-works.com		Approved: Facility Manager		Building No. 24	Checked Checker	Drawn Author	Project No. 12020
Revisions:		Date		Approved: Medical Center Director		Location 76 VETERANS AVENUE, BATH, NY 14810		DRAWING NO. VAMC-528A6-11-614	
								24-QC504	

VA FORM 08-6231



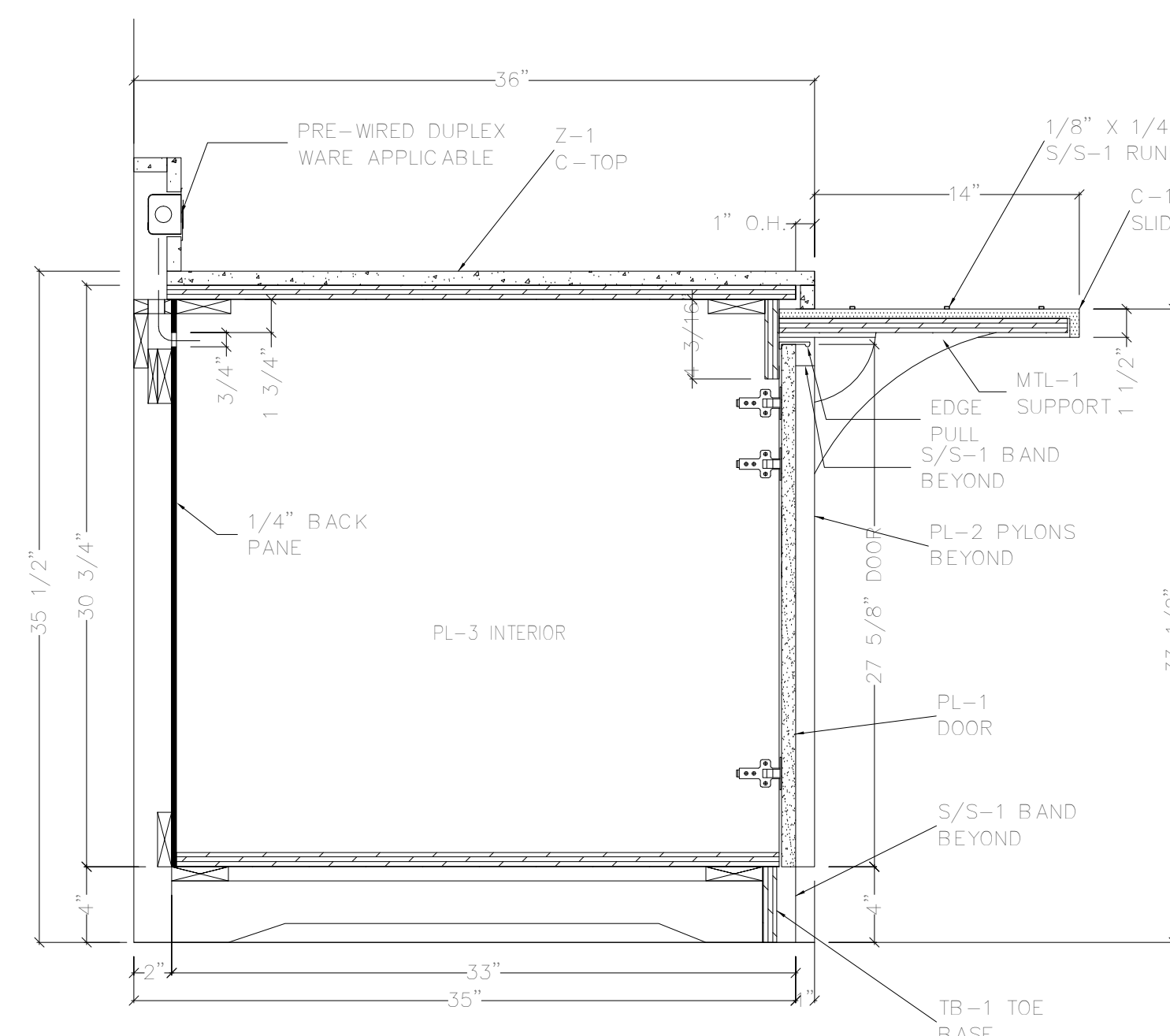


1 PLAN VIEW
SCALE: 3/4" = 1'-0"



2 ELEV. _____
SCALE: 3/4" = 1'-0"

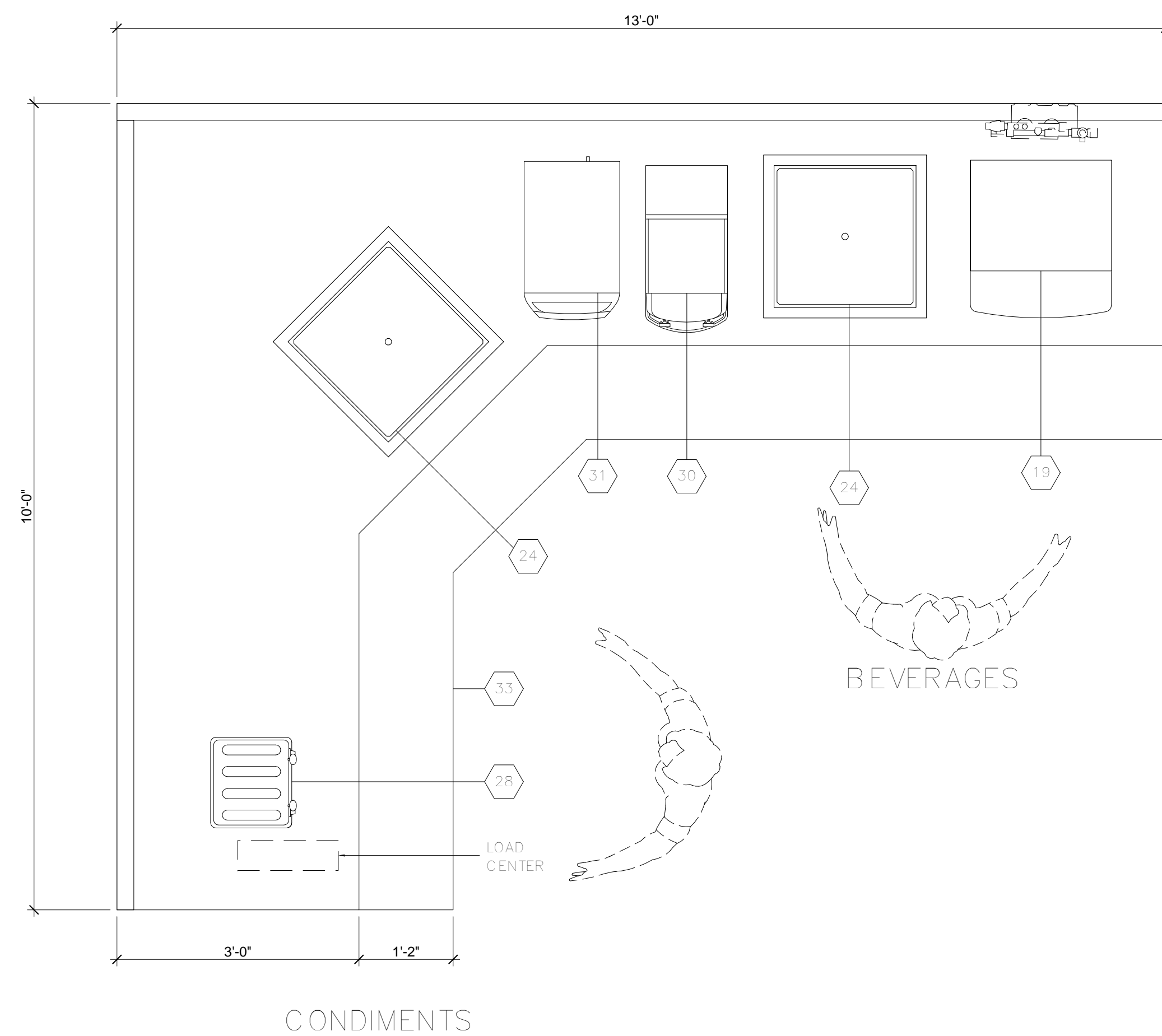
EQUIPMENT SCHEDULE					
ITEM NO.	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	NAV CODE #	COUNTER CUT OUT SIZE
19	ICE MACHINE/DISPENSER			—	—
23	JUICE DISPENSERS			—	—
24	DISPENSER, TUMBLER			—	—
25	COFFEE DISPENSER			—	—
26	CONDIMENT STATION			—	—
29	CONVEYOR TOSTER			—	—



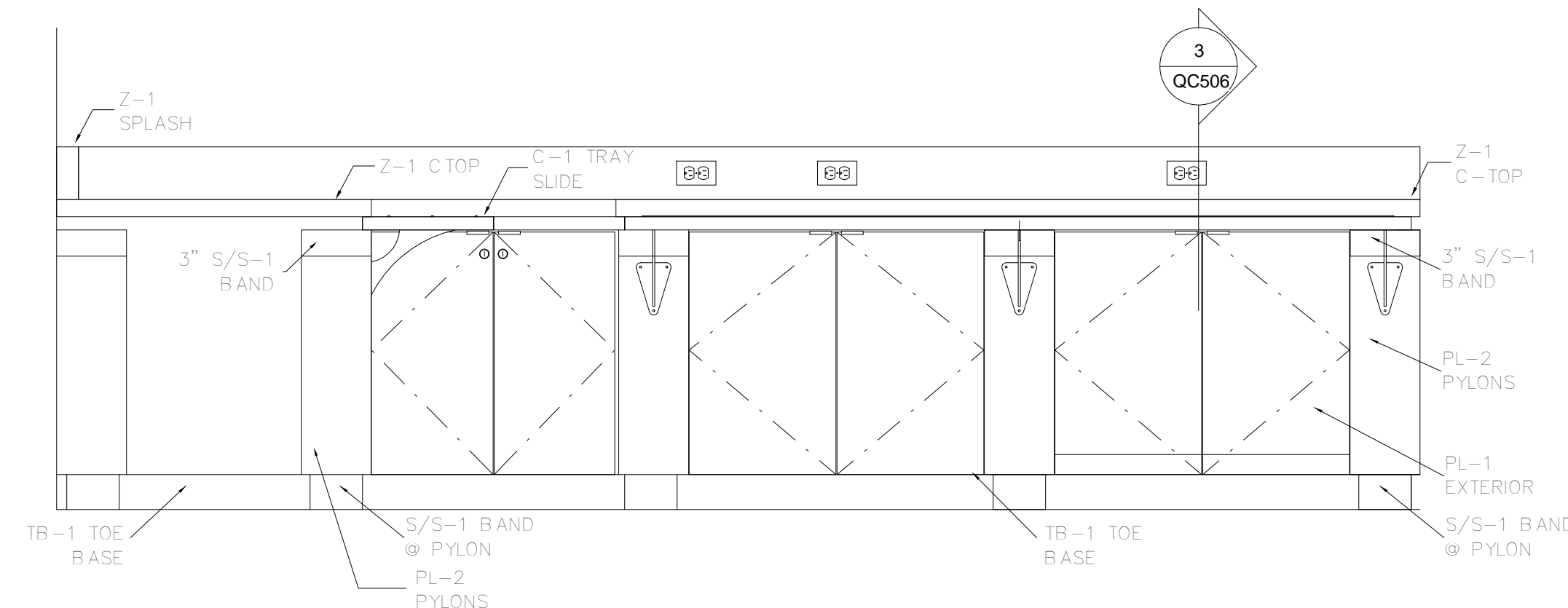
3 SECTION
SCALE: 3/4" = 1'-0"

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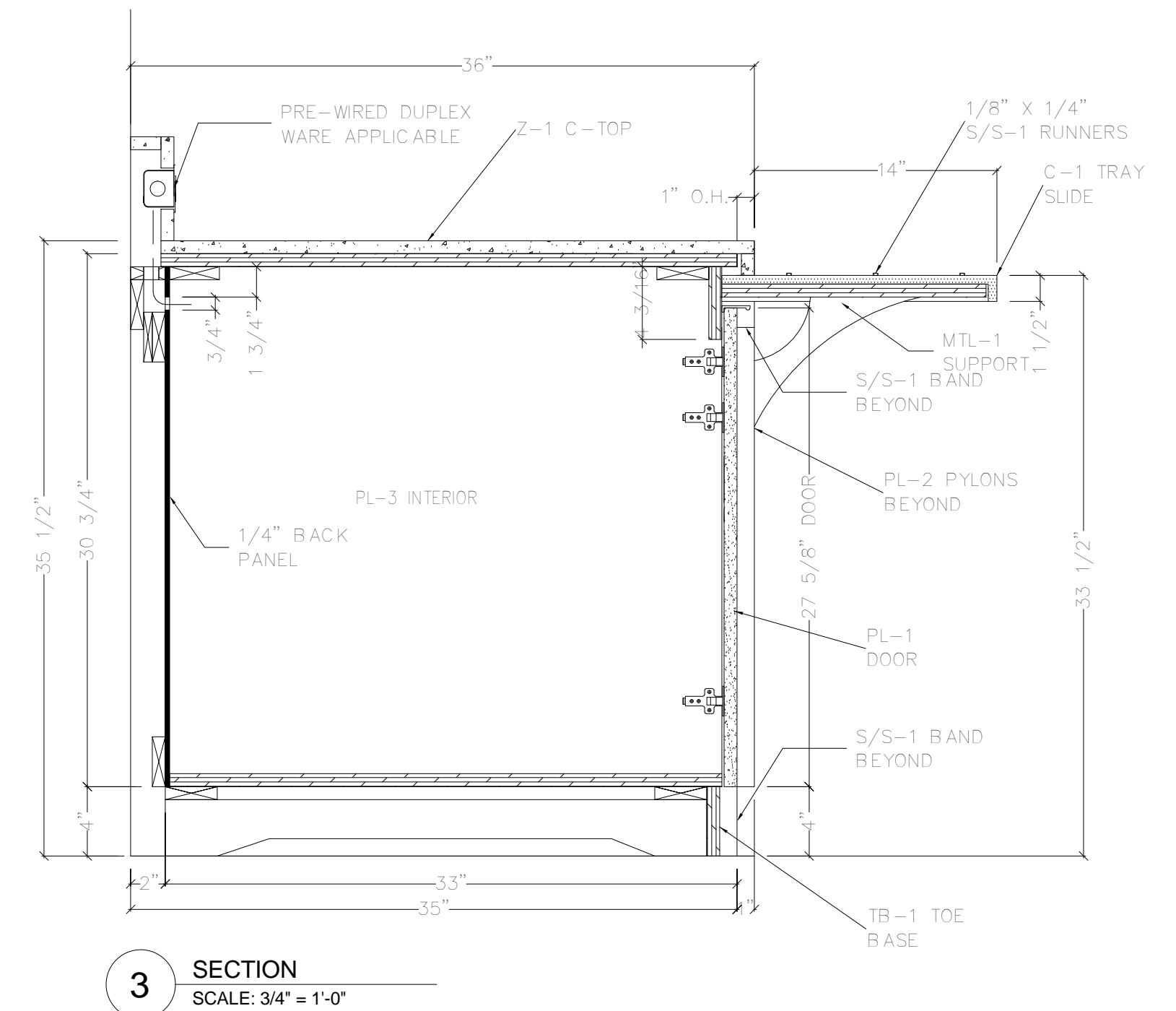


1 PLAN VIEW
SCALE: $\frac{3}{4}" = 1'-0"$



2 ELEV.
SCALE: $\frac{3}{4}" = 1'-0"$

EQUIPMENT SCHEDULE					
ITEM NO	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	NAV CODE #	COUNTER CUT OUT SIZE
19	ICE MACHINE/DISPENSER			—	—
24	DISPENSER, TUMBLER			—	—
28	SLOTTED TOSTER			—	—
30	DISPENSER, LIQUID COFFEE CONCENTRATE			—	—
31	HOT/COLD BEVERAGE DISPENSER			—	—
33	CONDIMENT STATION			—	—

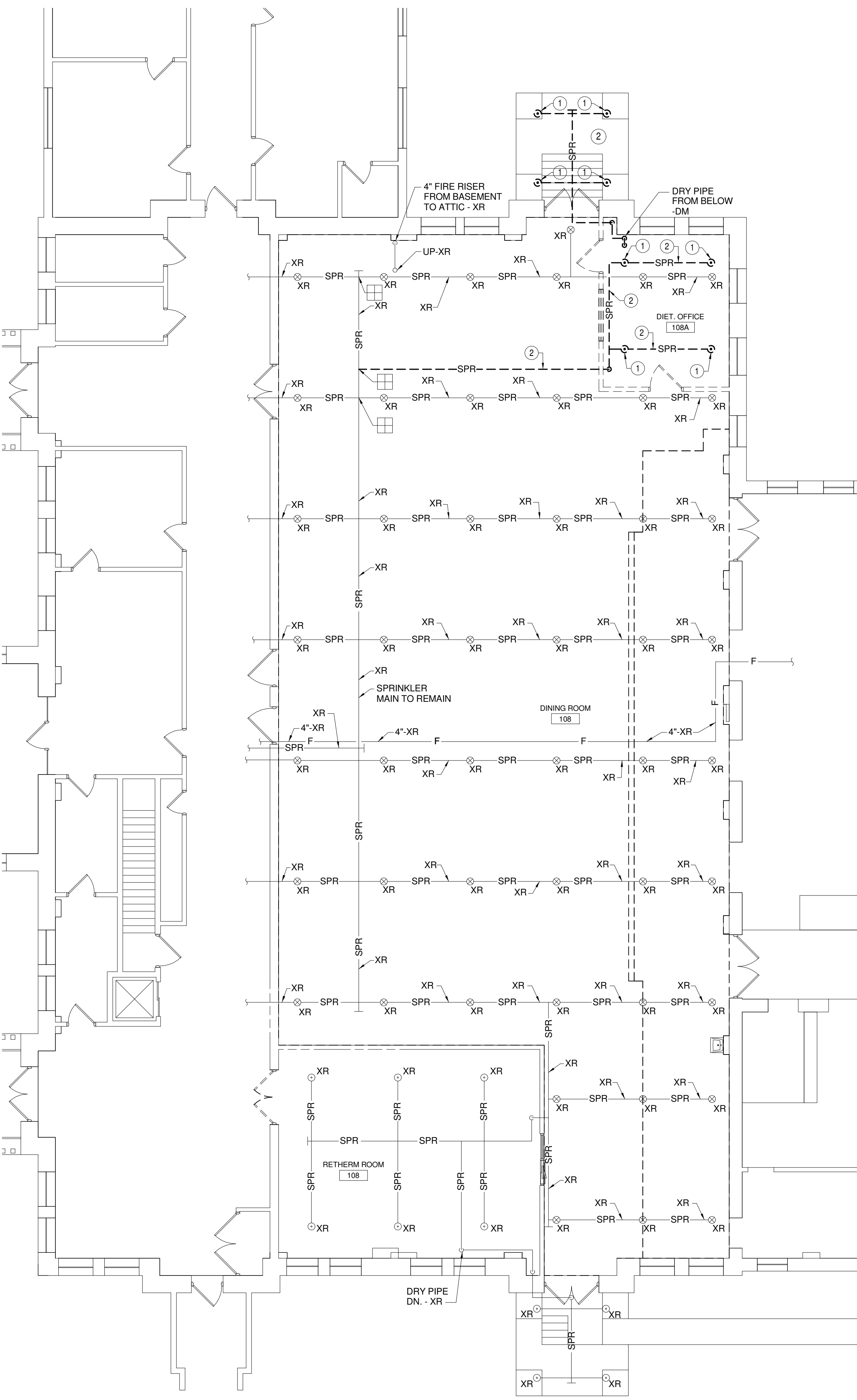


3 SECTION
SCALE: 3/4" = 1'-0"

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

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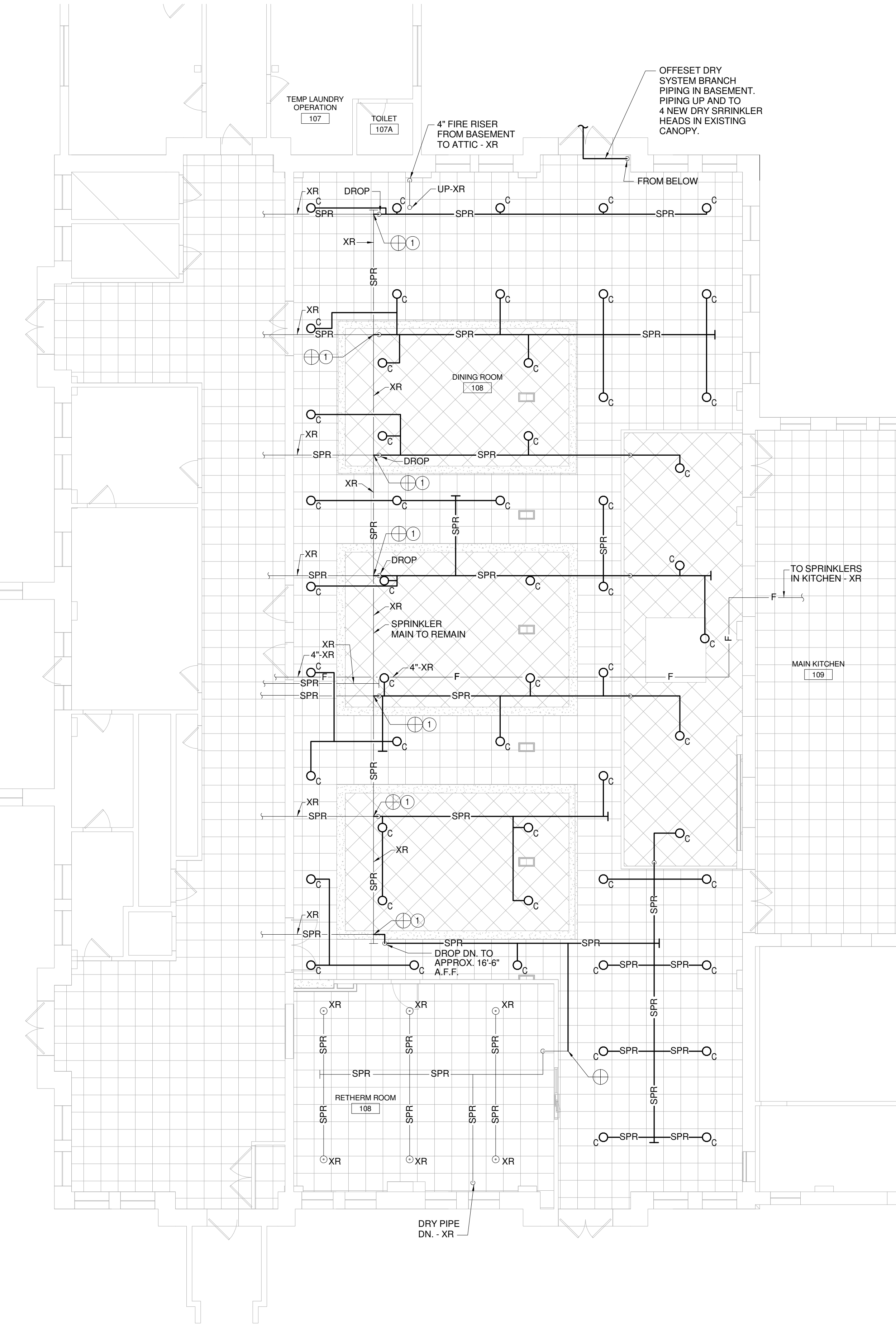
three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



FIRE PROTECTION DEMOLITION KEY NOTES:

- 1 REMOVE EXISTING SPRINKLER HEAD.
- 2 REMOVE EXISTING SPRINKLER BRANCH PIPING.
- 3 REMOVE EXISTING SPRINKLER HEAD AND CAP EXISTING PIPING.

1 FIRST FLOOR PLAN - FIRE PROTECTION - DEMOLITION
1/8" = 1'-0"



FIRE PROTECTION NEW WORK KEY NOTES:

- 1 CONNECT TO EXISTING 4" FIRE MAIN.

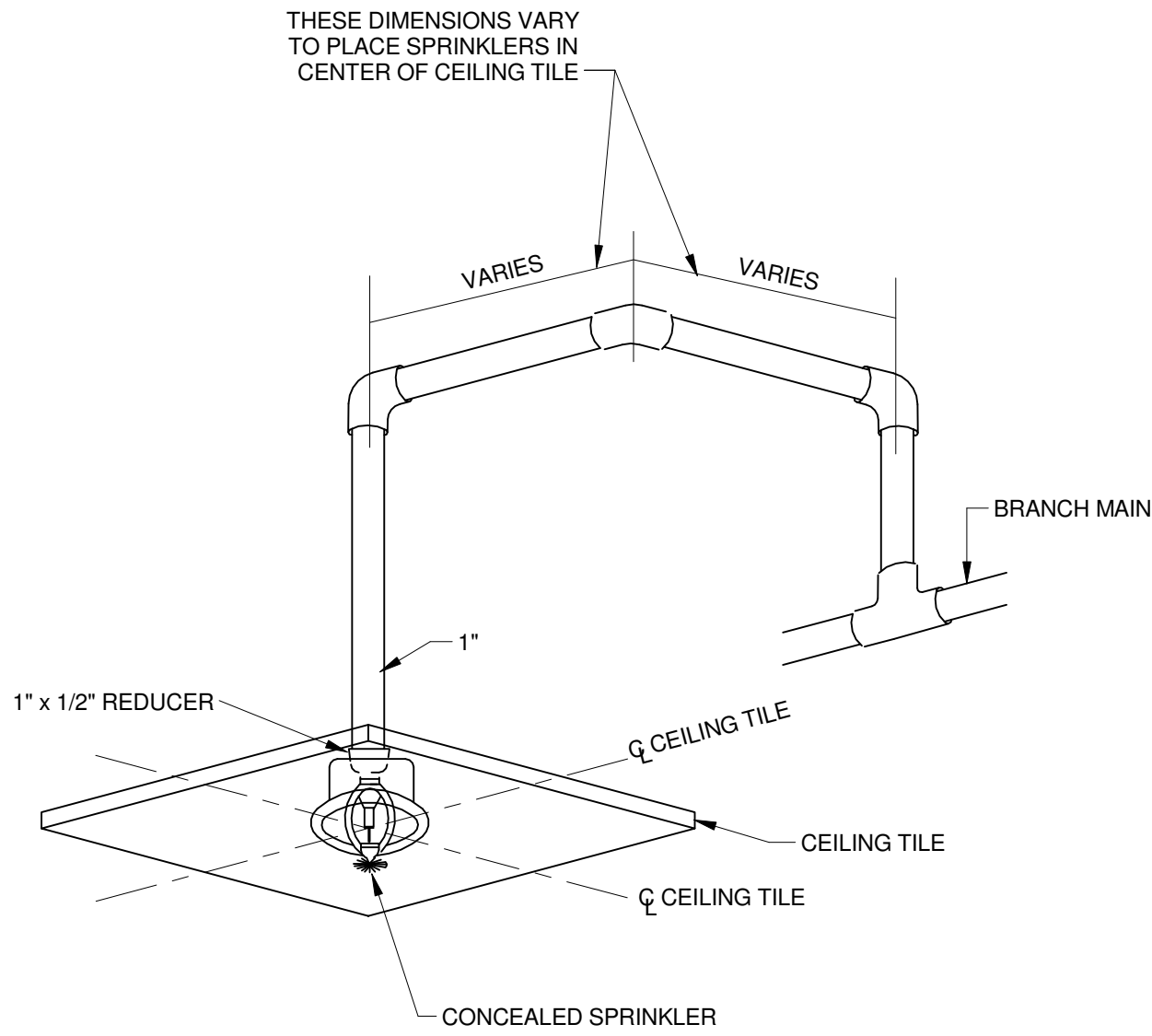
2 FIRST FLOOR PLAN - FIRE PROTECTION - NEW WORK
1/8" = 1'-0"

FIRE PROTECTION GENERAL NOTES

- ALL WORK SHOWN IS NEW UNLESS INDICATED OTHERWISE.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS PRIOR TO THE FABRICATION OR INSTALLATION OF ANY PIPING.
- THE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR MUST FIELD VERIFY ACTUAL CONDITIONS AT THE SITE PRIOR TO PROCEEDING WITH THE WORK.
- ALL EXISTING SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS.
- ALL NEW PIPING SHALL BE INSTALLED IN SUCH A WAY THAT IT DOES NOT HAMPER ACCESS TO NEW OR EXISTING VALVES, ACCESS DOORS OR EQUIPMENT.
- SPRINKLER PIPING SHALL BE HYDRAULICALLY DESIGNED BY THE SPRINKLER CONTRACTOR AND SHALL BE APPROVED BY ALL AUTHORITIES HAVING JURISDICTION. VELOCITIES OF WATER IN HYDRAULICALLY DESIGNED SPRINKLER PIPING SHALL NOT EXCEED TWENTY FEET PER SECOND.
- ALL SPRINKLER HEADS INSTALLED IN LAY-IN CEILINGS SHALL HAVE THE HEADS LOCATED IN THE CENTER OF TILES. IF FOR ANY REASON HEADS CANNOT BE LOCATED IN THE CENTER OF TILES, THEN THE ARCHITECT/ENGINEER SHALL BE CONTACTED FOR NEW LOCATIONS BEFORE INSTALLING ANY HEAD OR PIPING.
- CONTRACTOR SHALL INCLUDE IN HIS BID A WATER FLOW TEST. THE RESULTS OF WHICH SHALL BE USED TO PERFORM HYDRAULIC CALCULATIONS.
- ENTIRE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 LATEST EDITION.
- ALL WORK SHALL BE STRICTLY COORDINATED AMONG ALL INDIVIDUAL CONTRACTORS BEFORE ANY WORK IS PERFORMED.
- DO NOT ROUTE PIPING THROUGH ELEVATOR SHAFT(S), ELEVATOR EQUIPMENT ROOM(S) & ELECTRICAL ROOMS, PIPING TO TERMINATE AT SPRINKLER HEAD.
- PIPES 2-1/2" & LARGER TO BE SCHEDULE 10 STEEL PIPE WITH GROOVED END PREP.
- PIPES 2" & SMALLER TO SCHEDULE 40 STEEL PIPE WITH THREADED END PREP OR AS NEEDED.
- PIPES TO BE SIZED PER HYDRAULIC CALCULATIONS.
- VERIFY ALL CEILING HEIGHTS AT SITE PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILINGS AND CEILING TYPES.
- IN ROOMS WHICH ARE INDICATED AS BEING MECHANICAL AND ELECTRICAL ROOMS, THE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF HIS PIPING AND SPRINKLER HEADS TO AVOID INSTALLATION OVER ELECTRICAL PANELS, OR EQUIPMENT. PROVIDE ADDITIONAL SPRINKLER HEADS AS NECESSARY, AT NO ADDITIONAL COST TO THE OWNER. REFER TO HVAC AND ELECTRICAL DRAWINGS.
- DESIGN DENSITIES: A. LIGHT HAZARD: .10/1500 ALL AREAS.
- FIRE PROTECTION HYDRAULIC CALCULATIONS FOR AUTOMATIC SPRINKLER SYSTEMS SHALL INCORPORATE A MINIMUM 10 PSI SAFETY FACTOR.
- PRESSURE TEST OF THE AUTOMATIC SPRINKLER SYSTEM SHALL BE WITNESSED BY THE FIRE DEPARTMENT UNLESS SPECIFICALLY WAIVED. TWO (2) WEEKS WRITTEN ADVANCE NOTICE OF TEST SHALL BE GIVEN.
- FIRE PROTECTION CONTRACTOR SHALL COORDINATE HIS WORK WITH MECHANICAL, ELECTRICAL AND ALL OTHER DISCIPLINES TO AVOID INTERFERENCES PRIOR TO FABRICATION OF ANY PIPE. INTERFERENCES SHALL INCLUDE ROOF OPENINGS, BUS DUCTS, GANDED CONDUIT, DUCT, RUNS, ETC.
- ALL PIPE PENETRATIONS THROUGH FLOORS OR WALLS SHALL BE SLEEVED AND SEALED TO MAKE WATERTIGHT AND MAINTAIN FIRE RATING.
- ALL VALVE SUPERVISORY SWITCHES AND WATER FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
- FIRE PROTECTION CONTRACTOR SHALL BE CERTIFIED BY STATE OF NEW YORK FOR SPRINKLER SYSTEM INSTALLATION.

SPRINKLER HEAD LEGEND

SYMBOL	MANUFACTURER OR APPROVED EQUAL	TYPE	MODEL	ORIFICE	TEMP. RATING (°F)
⊗ U	VIKING	UPRIGHT	MICROFAST MODEL M	1/2"	155°
○ C	VIKING	CONCEALED	HORIZON	1/2"	155°



3 TYPICAL CONCEALED SPRINKLER DETAIL
12" = 1'-0"

FIRE PROTECTION SYMBOLS

— F —	FIRE LINE	XR	EXISTING TO REMAIN
— F-DM —	FIRE LINE TO BE DEMOLISHED	○	RISE
— SPR —	SPRINKLER BRACH PIPING	○	DROP
— D —	DRAIN LINE	○	CAP
— ○ C —	CONCEALED SPRINKLER	1 2	KEYED NOTE DESCRIBING WORK TO BE DONE
— ⊗ U —	UPRIGHT SPRINKLER	⊕	CONNECT TO EXISTING PIPING THIS POINT
— ⊕ —	ZONE CONTROL VALVE	⊕	REMOVE EXISTING PIPING TO THIS POINT
— TS —	TAMPER SWITCH	⊕	

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

Revisions:

Date

CONSULTANTS:

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21 POWERS ROAD
BRINGHAMTON, NY 13903
(607) 217-5399
CONTACT: MIKE BERARD, KCSI

ARCHITECTS/ENGINEERS:

A|E works
6587 HAMILTON AVENUE
PITTSBURGH, PENNSYLVANIA 15206
PH: 412.287.7333 FAX: 412.287.7334
www.ae-works.com

Drawing Title
SYMBOLS, DETAILS, NOTES & PLANS

Approved: Facility Manager Date

Approved: Medical Center Director Date

Project Title
UPGRADE BUILDING 24
DINING AREA

Building No. 24

Checked MEW

Drawn MEW

Location
76 VETERANS AVENUE, BATH, NY 14810

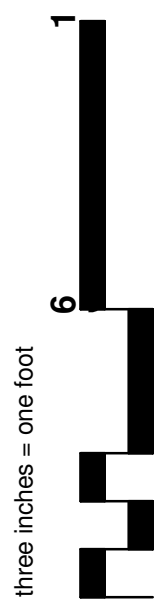
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12/13/2013

Project No.
12020

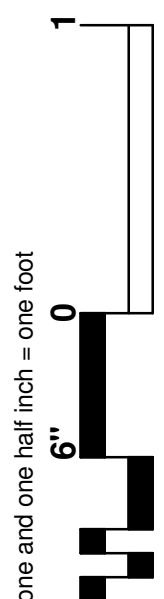
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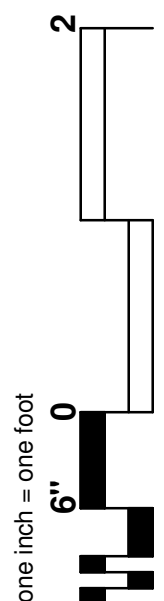
Department of Veterans Affairs



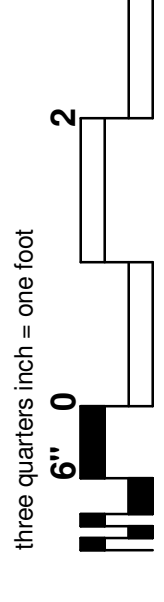
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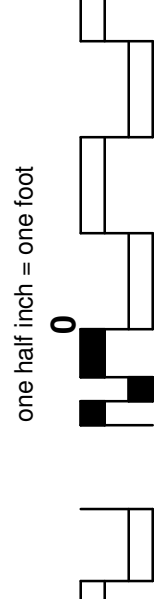
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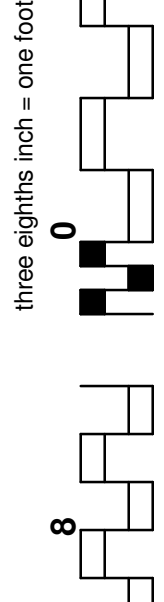
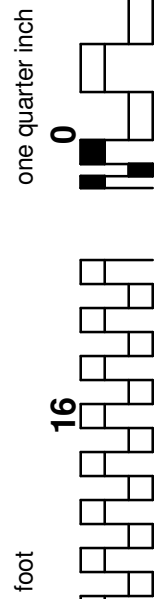
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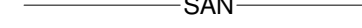













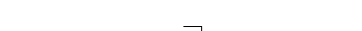
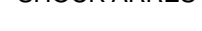

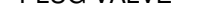
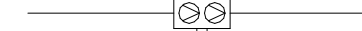















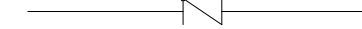




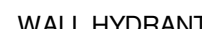





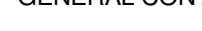

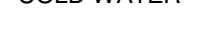



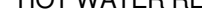







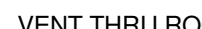


















D



E

**F**

PLUMBING SYMBOLS AND ABBREVIATION LEGEND

	SAN		SANITARY SEWER ABOVE GROUND - EXISTING TO REMAIN
	SAN-XR		DRAIN PIPING - ABOVE GROUND
	V		VENT LINE
	G		NATURAL GAS LINE
			BALL VALVE
			SHOCK ARRESTOR - SIZE AS MARKED
			PLUG VALVE
			BACKFLOW PREVENTER
	CO		CLEANOUT AT CEILING (CO) OR WALL (WCO)
	FCO		CLEANOUT AT FLOOR (FCO)
			STRAINER
			DRAIN WITH P-TRAP
			UNION
			CHECK VALVE
			HOSE BIBB (HB)
			WALL HYDRANT (WH)
	N.T.S.		NOT TO SCALE
	G.C.		GENERAL CONTRACTOR
	CW		COLD WATER
	HW		HOT WATER
	HWR		HOT WATER RETURN
	SS		SOIL STACK
	VS		VENT STACK
	WS		WASTE STACK
	VTR		VENT THRU ROOF
	I.E.		INVERT ELEVATION
			SQUARE FEET
	CO		CLEANOUT TO FINISHED FLOOR
	A.F.F.		ABOVE FINISHED FLOOR
	ADA		AMERICAN DISABILITIES ACT
	AB		PIPING OR DEVICE TO BE ABANDONED IN PLACE
	XR		EXISTING TO REMAIN
	TYP		TYPICAL
			INDICATES POINT OF CONNECTION TO EXISTING
			INDICATES POINT OF DEMOLITION
			DROP
			RISE
			CAP
F-1, F-2, ETC.			
			
PLUMBING FIXTURE TYPE: SEE SPECIFICATION			
KEYED PLUMBING NOTE DESCRIBING WORK TO BE DONE			

PLUMBING FIXTURE SCHEDULE							
SEE SPECIFICATIONS FOR FIXTURE TYPE DESCRIPTION							
TYPE	DESCRIPTION	SIZE					COMMENTS
		FIXTURE	WASTE	VENT	HW	CW	
L-XR	LAVATORY	----	2"	2"	1/2"	1/2"	EXISTING TO REMAIN

MISCELLANEOUS EQUIPMENT AND SPECIALTIES						
TAG	DESCRIPTION	WASTE CONN	VENT CONN	HOT WATER	COLD WATER	REMARKS
FD-1	FLOOR DRAIN	4"				
FD-1-TP	FLOOR DRAIN W/ TRAP PRIMER	4"			1/2"	PROVIDE 1/2" CW CONNECTION

PLUMBING PIPING INSULATION SCHEDULE				
DESCRIPTION	PIPE SIZE	INSULATION THICKNESS	TYPE	COMMENTS
DOMESTIC HOT WATER	UP TO 1-1/2"	1"	FLEXIBLE ELASTOMERIC INSULATION	PROVIDE FOR DOMESTIC WATER SUPPLIES AND STOPS FOR ACCESSIBLE FIXTURES.
DOMESTIC HOT WATER	OVER TO 1-1/2"	1-1/2"	FLEXIBLE ELASTOMERIC INSULATION	
DOMESTIC HOT WATER RETURN	UP TO 1-1/2"	1"	FLEXIBLE ELASTOMERIC INSULATION	
DOMESTIC COLD WATER	ALL SIZES	1"	MINERAL FIBER OR FLEXIBLE ELASTOMERIC	
CONDENSATE DRAIN PIPING	ALL SIZES	1/2"	PVC P-TRAP AND SUPPLY COVERS	

SHOCK ARRESTOR SCHEDULE					
FIXTURE UNIT CAPACITY	A	B	C	D	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	155-330

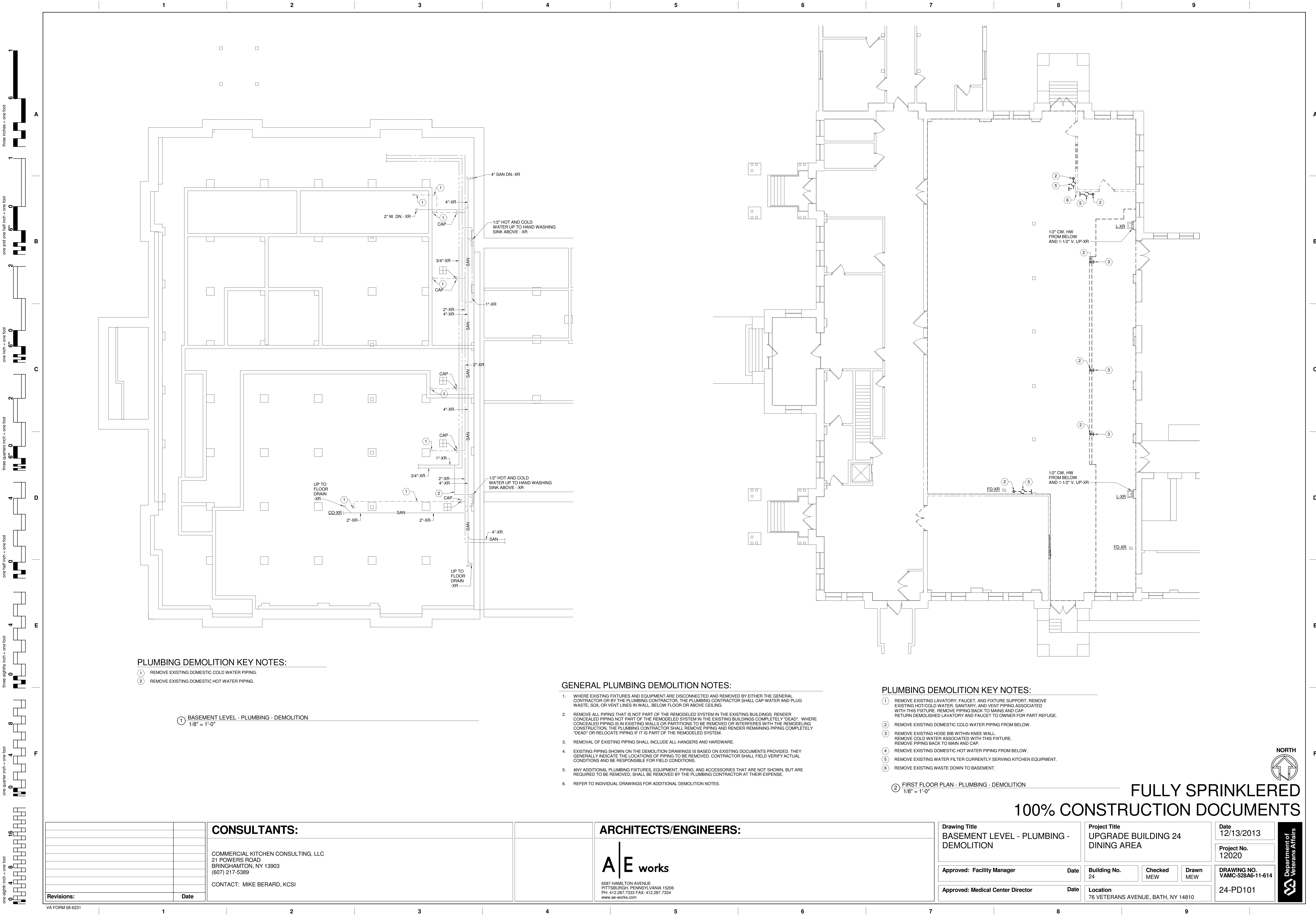
DEMOLITION LEGEND	
	INDICATES PIPING TO BE REMOVED
	INDICATES FIXTURE, OR EQUIPMENT TO BE REMOVED

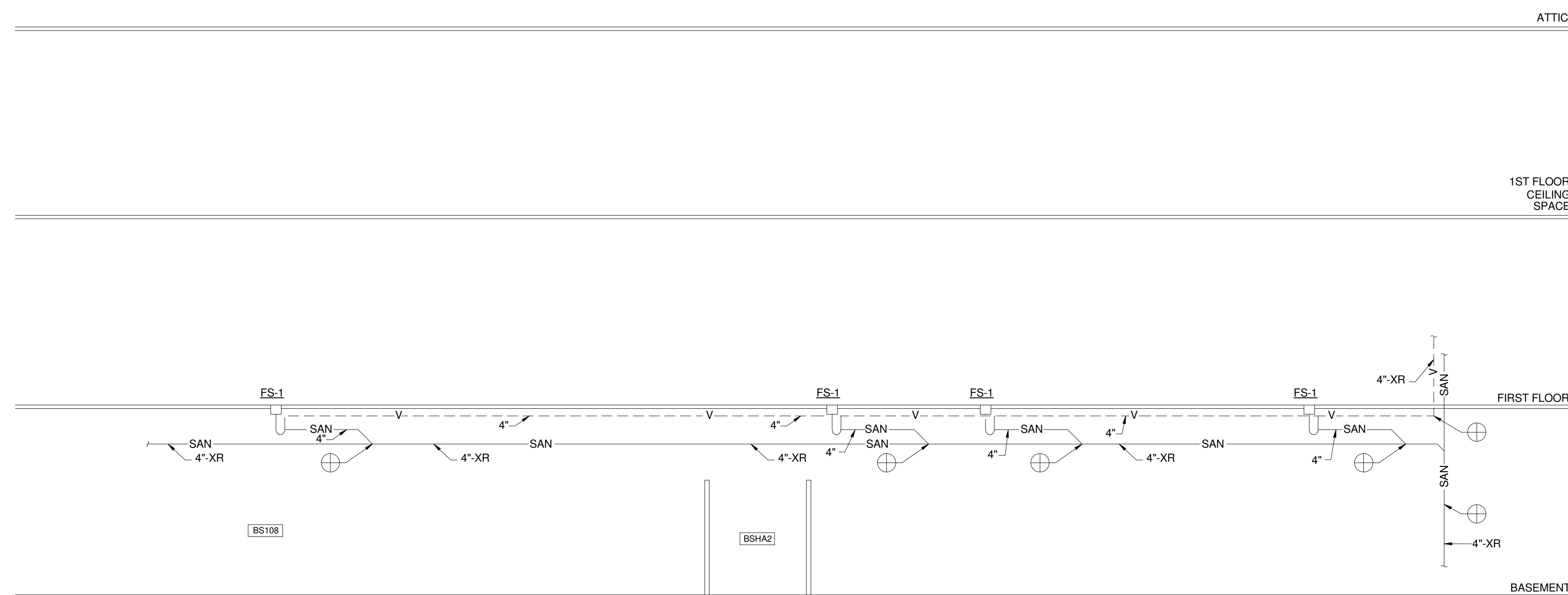
GENERAL PLUMBING NOTES

1. ALL WORK SHOWN IS NEW UNLESS INDICATED OTHERWISE.
2. ALL EXISTING SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS.
3. CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE WHICH MAY OCCUR DUE TO THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY SERVICES, INCLUDING WORK IN EXISTING PIPE CHASES.
4. ALL EXISTING PLUMBING LINES, RISERS, ETC. ENCOUNTERED DURING ALTERATIONS, WHETHER INDICATED OR NOT, SHALL BE DETERMINED TO BE ACTIVE OR INACTIVE BY THIS CONTRACTOR, PRIOR TO COMMENCING ANY WORK. IF LINES ARE ACTIVE THEY SHALL BE PROTECTED AS REQUIRED AND RECONNECTED AT THEIR ORIGINAL LOCATIONS. OFFSETS SHALL BE OF THE SAME SIZE AND MATERIAL AS THE ORIGINAL. IF INACTIVE, REMOVE ALL USELESS AND INACTIVE PIPING BACK TO THE MAIN, STACK OR RISER AND CAP. ALL USELESS HOLES IN WALLS AND CEILINGS SHALL BE PATCHED TO MAINTAIN FIRE RATING. ALL SUCH WORK SHALL BE RECORDED ON THE "RECORD" DRAWINGS.
5. THE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR MUST FIELD VERIFY EXIST ACTUAL CONDITIONS AT THE SITE PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL MAINTAIN EXISTING PLUMBING EQUIPMENT, ETC. WITH ALL OTHER TRADES PATCH ALL OPENINGS IN EXISTING CONSTRUCTION WHERE PLUMBING PIPING HAS BEEN REMOVED, OR WHERE PLUMBING PIPING TO REMAIN IS NOT SEALED. MAINTAIN EXISTING RATING.
6. ALL HORIZONTAL SANITARY DRAINAGE PIPES IS PITCHED AT 1/4" UP TO 3" DIA., 1/8" FT FOR 4" DIA. TO 8" DIA., LARGER SIZES AS NOTED. ALL HORIZONTAL, STORM DRAINAGE PIPING IS PITCHED AT 1/8" FT.
7. THE PLUMBING DRAWINGS DO NOT INDICATE ALL STRUCTURAL BEAMS, COLUMNS OR EXACT SIZES. SOME DEVIATIONS TO THE PIPING LAYOUT MAY BE REQUIRED. COORDINATE ACTUAL LOCATIONS OF THE PLUMBING LINES DURING CONSTRUCTION. CONTRACTOR TO COMPLY WITH ALL WATER AND SEWER REQUIREMENTS SET FORTH BY THE AUTHORITY HAVING JURISDICTION.

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

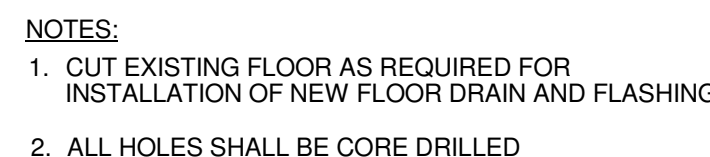
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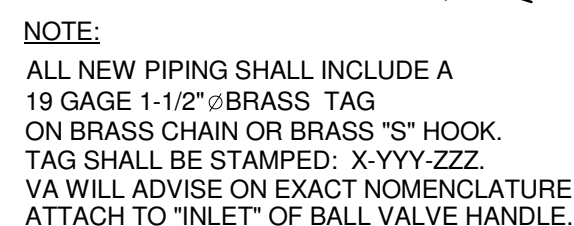


2 SANITARY AND VENT RISER DIAGRAM
NO SCALE

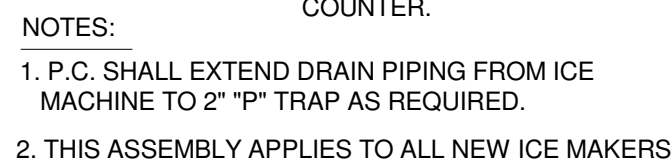
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SCALE = N.T.S.



3



NO SCALE

VA FORM 08-6231

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Approved: Medical Center Director	Date
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Location
76 VETERANS AVENUE, BATH, NY 14810

24-P301

MISCELLANEOUS ABBREVIATIONS

ABV	ABOVE	IME	INSULATED METAL ENCLOSURE
APPROX	APPROXIMATELY	IN	INCHES
AUTO	AUTOMATIC	INCL	INCLUDED
AAV	AUTOMATIC AIR VENT	INSUL	INSULATION
AD	ACCESS DOOR	INTERL	INTERLOCK
AFIF	ABOVE FINISHED FLOOR	INVT	INVERT
AFMD	AIR FLOW MEASURING DEVICE	IER	INVERTED ECCENTRIC REDUCER
AP	ACCESS PANEL	IVS	ISOLATION VALVE STATION
ATC	AUTOMATIC TEMPERATURE CONTROL		
AWT	AVERAGE WATER TEMPERATURE	LTG	LIGHTING
		LAT	LEAVING AIR TEMPERATURE
BLDG	BUILDING	LDB	LEAVING DRY BULB
BLW	BELOW	LF	LINEAR FEET
BC	BALANCING COCK	LSDC	LINEAR SUPPLY DIFFUSER CEILING
BDD	BACKDRAFT DAMPER	LWB	LEAVING WET BULB
		LWT	LEAVING WATER TEMPERATURE
CD	COLD DECK DUCTWORK	MAX	MAXIMUM
CFH	CUBIC FEET/HOUR	MECH	MECHANICAL
CHK V	CHECK VALVE	MFGR	MANUFACTURER
CHWS	CHILLED WATER SUPPLY	MIN	MINIMUM
CHWR	CHILLED WATER RETURN	MTD	MOUNTED
CHWS&R	CHILLED WATER SUPPLY/RETURN	MTL	METAL
CLG	CEILING	MTR	MOTOR
CLG MTD	CEILING MOUNTED	MAT	MIXED AIR TEMPERATURE
COL	COLUMN	MAV	MANUAL AIR VENT
CONC	CONCRETE	MBH	ONE THOUSAND BTU/HOUR
CONN	CONNECTION	MOD	MOTOR OPERATED DAMPER
CONTR	CONTRACTOR	MA	MANHOLE
CONT	CONTINUE	MER	MECHANICAL EQUIPMENT ROOM
CONV	CONVECTOR	NTS	NOT TO SCALE
CORR	CORRIDOR	NA	NOT APPLICABLE
CFM	CUBIC FEET PER MINUTE	OPER	OPERATED
CO	CLEANOUT	OPNG	OPENING
CV	CONTROL VALVE	OA	OUTSIDE AIR
DB	DRY BULB	OSD	OPPOSED BLADE DAMPER
DHW	DOMESTIC HOT WATER	OS&Y	OUTSIDE SCREW AND YOKE
DCW	DOMESTIC COLD WATER		
DIFF	DIFFUSER	PC	PLUMBING CONTRACTOR
DISCH	DISCHARGE	PRD	PRESSURE DIFFERENTIAL VALVE
DN	DOWN	PDP	PUMP DISCHARGE
DO	DITTO	PG	PRESSURE GAUGE WITH COCK
DR	DAMPER	PRV	PRESSURE REDUCING VALVE
DWG	DRAWING	PT	PRESSURE TAP
DX	DIRECT EXPANSION		
		REQD	REQUIRED
ELECT	ELECTRIC	REX	REMOVE EXISTING
EMER	EMERGENCY	RM	ROOM
ETR	EXISTING TO REMAIN	RA	RETURN AIR/RELIEF AIR
EQUIP	EQUIPMENT	RV	RELIEF VALVE
EXH	EXHAUST	SCH	SCHEDULE
EK	EXISTING	SA	SUPPLY AIR
EAT	ENTERING AIR TEMPERATURE	SS	STAINLESS STEEL DUCTWORK
EC	ELECTRICAL CONTRACTOR	SHT MTL	SHEET METAL
EDB	ENTERING DRY BULB	STL	STEEL
EWB	ENTERING WET BULB	STR	STRAINER
EWT	ENTERING WATER TEMPERATURE	SD	SMOKE DAMPER
		SP	STATIC PRESSURE
FLG C	FLANGE CONNECTION	SPS	STATIC PRESSURE SENSOR
FLR	FLOOR		
FRM	FROM	TA	THROWAWAY
FT HD	FEET OF HEAD	TDV	TRIPLE DUTY VALVE
FAT	FINAL AIR TEMPERATURE	TEMP	TEMPERATURE
FC	FLEXIBLE CONNECTION	TH	THERMOMETER
FD	FIRE DAMPER	TRANS	TRANSITION
SFD	SMOKE/FIRE DAMPER	TYP	TYPICAL
FLR DR	FLOOR DRAIN	TSTAT	THERMOSTAT
GA	GAUGE	TCV	TEMPERATURE CONTROL VALVE
GL V	GLOBE VALVE	TR	TEMPERATURE RISE
GRAV	GRAVITY	TV	TURNING VANES
GC	GENERAL CONTRACTOR	UC	UNDERCUT
GPM	GALLONS PER MINUTE		
GV	GATE VALVE	V	VALVE
		VD	VOLUME CONTROL DAMPER
HC	HEATING CONTRACTOR	VFS	VENTURI FLOW STATION
HD	HOT DECK DUCTWORK		
HP	HORSE POWER	WB	WET BULB
HTG	HIGH PRESSURE DRIP	WFM	WATER FLOW MEASURING DEVICE
HV	HIGH VELOCITY	WG	WATER GAUGE
		WTD	WATER TEMPERATURE DROP
HWR	HOT WATER RETURN	W	WITH
HWS	HOT WATER SUPPLY	W/O	WITHOUT
HWS&R	HOT WATER SUPPLY AND RETURN		

EQUIPMENT TAG ABBREVIATIONS

ACC	AIR COOLED CHILLER	FT	FINNED TUBE RADIATION
ACCU	AIR COOLED CONDENSING UNIT	FCU	FAN COIL UNIT
ACCUM	ACCUMULATOR	FPB	FAN POWERED BOX
AHU	AIR HANDLING UNIT	FU	FURNACE
ASHP	AIR SOURCE HEAT PUMP		
		GIV	GRAVITY INTAKE VENTILATOR
B	BOILER	GRV	GRAVITY ROOF VENTILATOR
BB	BASEBOARD HEATER		
BD	BAROMETRIC DAMPER	H	HUMIDIFIER
BDD	BACK DRAFT DAMPER	HC	HOT WATER HEATING COIL
		HUH	HORIZONTAL UNIT HEATER
CC	CHILLED WATER COOLING COIL	RG	RETURN GRILLE
CD	CONDENSATE DRAIN	RR	RETURN REGISTER
CIRC	CIRCULATOR	RAG	RETURN AIR GRILLE
CMPR	COMPRESSOR	RCP	RADIANT CEILING PANEL
CONV	CONVECTOR	RTU	ROOF TOP UNIT
CP	CONDENSATE PUMP		
CUH	CABINET UNIT HEATER	SF	SUPPLY FAN
		SSAC	SPLIT SYSTEM AIR CONDITIONING UNIT
DC	DRY COOLER	SSDC	SECURITY SUPPLY DIFFUSER CEILING
EF	EXHAUST FANS	SSEF	SECURITY SMOKE EXHAUST FAN
ER	EXHAUST REGISTER	SSOC	SECURITY SUPPLY GRILLE CEILING
ERW	EXHAUST REGISTER WALL	SSOW	SECURITY SUPPLY GRILLE WALL
ET	EXPANSION TANK	LSLD	SUPPLY LINEAR SLOT DIFFUSER
ECUH	ELECTRIC CABINET UNIT HEATER		
EUH	ELECTRIC UNIT HEATER	P	PUMP
EWH	ELECTRIC WALL HEATER	PTAC	PACKAGED TERMINAL AIR CONDITIONING UNIT
EVAP	EVAPORATOR		
		UH	UNIT HEATER
		UV	UNIT VENTILATOR
		UCD	UNDER CUT DOOR
		VAV	VARIABLE AIR VOLUME

EQUIPMENT SYMBOLS

	EQUIPMENT SYMBOL
	PUMP

PIPELINE ABBREVIATIONS

SYMBOLS	DESCRIPTION
— D —	CONDENSATE DRAIN LINE
— CTD —	COOLING TOWER DRAIN LINE
— CHWS —	CHILLED WATER SUPPLY
— CHWR —	CHILLED WATER RETURN
— CWS —	CONDENSER WATER SUPPLY
— CWR —	CONDENSER WATER RETURN
— HWS —	HEATING HOT WATER SUPPLY
— HWR —	HEATING HOT WATER RETURN
— G —	NATURAL GAS
— LPC —	LOW PRESSURE CONDENSATE
— LPS —	LOW PRESSURE STEAM
— CW —	COLD WATER MAKEUP
— ATV —	ATMOSPHERIC VENT
— RL —	REFRIGERANT LINE
— RS —	REFRIGERANT SUCTION
— NAME —	PIPE TO BE REMOVED
— NAME —	EXISTING PIPE TO REMAIN

PIPELINE SYMBOLS

	GATE VALVE
	BUTTERFLY VALVE
	GLOBE VALVE
	PLUG VALVE
	RELIEF VALVE
	ECCENTRIC REDUCER
	INVERTED ECCENTRIC REDUCER
	UNION
	ORIFICE UNION
	STRAINER
	THERMOMETER
	PRESSURE GAUGE
	WATER FLOW MEASURING DEVICE (VENTURI FLOW STATION)
	PRESSURE REDUCING VALVE
	TWO-WAY MODULATING CONTROL VALVE
	THREE-WAY MODULATING CONTROL VALVE
	SAFETY VALVE OR PRESSURE RELIEF
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	TWO-WAY CONTROL VALVE (TWO POSITION TYPE)
	MOTORIZED VALVE
	AQUASTAT
	FUNNEL DRAIN
	PIPING TURNED UP
	PIPING TURNED DOWN
	TEE - OUTLET UP
	TEE - OUTLET
	SIDE CONNECTION
	CAPPED OUTLET
	DIRECTION OF FLOW
	PIPE BREAK (SINGLE LINE)
	FLEXIBLE CONNECTION
	BACKFLOW PREVENTION DEVICE

DRAWING SYMBOLS

	1	DETAIL NUMBER
	M201	SECTION LETTER
		CONNECT TO EXISTING AT THIS POINT
		DEMO / REMOVE TO THIS POINT

HVAC SYMBOLS

DOUBLE LINE SHEETMETAL SYMBOLS DESCRIPTION

	EXHAUST DUCT (PLAN)
	RECTANGULAR SUPPLY, RETURN OR RELIEF DUCT WIDTH (SHOWN)DEPTH
	OVAL SUPPLY, RETURN OR RELIEF DUCT WIDTH (SHOWN)DEPTH
	ROUND SUPPLY, RETURN OR DUCT W/TURNING VANES (DUCT WIDTH OVER 18")
	ROUND FLEX DUCT
	DUCT W/ TURNING VANES
	DUCT W/O TURNING VANES
	RADIUS ELBOW (DUCT WIDTH 17" AND LOWER)
	LOW LOSS TAKE OFF (ARROW INDICATES DIRECTION OF AIR FLOW)
	CONICAL SPIN-IN FITTING
	BOOT CONNECTION WITH MANUAL VD (ARROW INDICATES AIR FLOW DIRECTION)
	RETURN AIR DUCT UP
	SUPPLY DUCT UP
	EXHAUST AIR DUCT UP
	RETURN AIR DUCT DN
	SUPPLY DUCT DN
	EXHAUST AIR DUCT DN
	MANUAL VOLUME CONTROL DAMPER (VD)
	RISE/DROP IN DUCTWORK (ARROW SHOWS DIRECTION OF DROP)
	DUCT/SPACE STATIC PRESSURE SENSOR
	WALL TEMPERATURE SENSOR/THERMOSTAT TO BE REMOVED
	DUCT MOUNTED SMOKE DETECTOR PROVIDED BY EC, INSTALLED BY HC
	MOTORIZED DAMPER
	FIRE DAMPER AT FIRE WALL (PROVIDE ACCESS PANEL IN DUCT AND CEILING)
	SMOKE DAMPER/DETECTOR DETECTOR BY E.C. DAMPER BY H.C.
	COMBINATION FIRE/SMOKE DAMPER
	FIRE DAMPER IN VERTICAL DUCT THRU FLOOR OR HORIZONTAL DUCT ABOVE CEILING (PROVIDE ACCESS PANEL IN DUCT AND WALL OR CEILING)
	ACCESS DOOR ON BOTTOM OF DUCT (HINGED AND GASKETED)
	ACCESS DOOR ON SIDE OF DUCT (HINGED AND GASKETED)
	SUPPLY AIR DIFFUSER
	EXHAUST REGISTER
	EXHAUST/RETURN AIR REGISTER (DUCT OR WALL)
	SUPPLY AIR REGISTER (DUCT OR WALL)

HVAC GENERAL NOTES

- NOT ALL THE SYMBOLS OR ABBREVIATIONS ON THIS SHEET ARE NECESSARILY USED ON THE REST OF THE CONTRACT DRAWINGS.
- PLANS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT. DRAWINGS ARE NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL LOCATIONS, CONDITIONS AND DIMENSIONS.
- COORDINATE LOCATION OF DUCTWORK, PIPING, AND DIFFUSERS WITH ALL OTHER TRADES.
- ALL PIPING AND DUCTWORK IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR ABOVE SUSPENDED CEILING.
- ALL DUCTWORK AND PIPING IN ALL AREAS SHALL BE INSTALLED AS HIGH AS POSSIBLE, RUN THRU OR BETWEEN JOISTS AS REQUIRED.
- ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE IN INCHES EXCEPT AS NOTED OTHERWISE.
- ACCESS PANELS IN CEILINGS OTHER THAN LAY-IN TILE ARE REQUIRED FOR ALL EQUIPMENT, VALVES, TRAPS, DAMPERS, CLEANOUTS, ETC..
- CEILING DIFFUSER SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES. ALL DIFFUSERS ARE 4 WAY UNLESS OTHERWISE NOTED.
- ALL SUPPLY, RETURN AND EXHAUST GRILLES AND REGISTERS LOCATED IN WALL SHALL BE MOUNTED ONE BLOCK COURSE BELOW CEILING, UNLESS NOTED OTHERWISE.
- LOCATE ALL CEILING DIFFUSERS, REGISTERS, GRILLES, ETC. TO CONFORM WITH REFLECTED CEILING PLAN.
- BLANK OFF ALL UNUSED PORTIONS OF LOUVERS WITH 1" INSULATED METAL PANEL. SEAL ALL JOINTS AND FITTINGS TO MAKE AN AIR TIGHT FIT.
- PROVIDE BALANCING DAMPER AT BRANCH TAKEOFF FOR ALL DIFFUSERS AND REGISTERS.
- ALL CONTRACTORS ARE RESPONSIBLE FOR THE ENTIRE BIDDING SET. IF THE ARCHITECTURAL DRAWINGS INDICATE WORK TO BE COMPLETED BY THE HVAC CONTRACTOR THEN HVAC CONTRACTOR IS RESPONSIBLE FOR THAT WORK.
- ALL WORK THAT INVOLVES SHUT DOWN OF EXISTING SYSTEMS AFFECTING OTHER FLOORS MUST BE SCHEDULED WITH THE VA. CONTRACTOR IS RESPONSIBLE FOR SHUTTING DOWN AND RESTARTING SYSTEM AT COORDINATED SCHEDULED TIMES WITH THE VA SO THAT WORK ON OTHER FLOORS MAY CONTINUE WITH NO INTERRUPTIONS.
- CONTRACTOR IS RESPONSIBLE FOR FULLY COORDINATED MEP DRAWING SET FOR WORK DONE ABOVE CEILING.

GENERAL DEMOLITION NOTES

- CONFIRM INSTALLED HEIGHT OF ALL EXISTING MECHANICAL COMPONENTS AND ADJUST AS NECESSARY TO PERMIT THE SPECIFIED CEILING HEIGHTS. COORDINATE WITH ALL OTHER TRADES.
- EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND OWNER PROVIDED DRAWINGS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION AND CONSTRUCTION.
- DO NOT SCALE DRAWINGS.
- COORDINATE DEMOLITION OF HVAC TRADES INVOLVED. REMOVE EXISTING DUCTWORK, DIFFUSERS, GRILLES, EQUIPMENT, AND CONTROLS AS SHOWN ON DRAWING.
- PATCH AND SEAL EXISTING DUCTWORK AIR TIGHT WHERE REQUIRED. PATCH DUCTWORK, LINER, DUCTWRAP TO MATCH EXISTING CONDITIONS.
- PATCH ALL DUCT SHAFTS IN ORDER TO MAINTAIN 2 HOUR FIRE RATING AT POINTS INDICATED ON DRAWINGS.
- REFER TO ARCHITECTURAL PLANS FOR ICRA REQUIREMENTS DURING CONSTRUCTION.

STEAM FINNED TUBE RADIATOR SCHEDULE - BASE BID

MARK	STYLE	ELEMENTS QTY	FIN SIZE (IN)	TUBE SIZE (IN)	BTU/HLF	MBH	LB/HR	BASIS OF DESIGN MANUF	MODEL
SR-1	PEDESTAL MOUNT	2	4.25 SQ.	1	2880	11.5	12	VULCAN	VC44

NOTES:
1. PROVIDE SLIP JOINTED ENCLOSURE WITH END CAPS

SUPPLY DIFFUSER AND RETURN GRILLE SCHEDULE - DEDUCT ALT.

TAG	SERVICE	TYPE	AIRFLOW RANGE	NECK SIZE (IN)	INTERNAL DAMPER	MATERIAL	REMARKS
SD-1	SUPPLY	24x24 LAY-IN	500-800	12	YES	ALUMINUM	
RG-1	RETURN	24x24 LAY-IN	0-1400	22x22	NO	ALUMINUM	
RG-2	RETURN	SIDEWALL	0-1400	24x12	NO	ALUMINUM	

NOTES:
1. COORDINATE ALL DIFFUSERS/GRILLE TYPES WITH ARCHITECTURAL REFLECTED CEILING PLANS
2. VERIFY LOCATION WITH LIGHTS, SPRINKLER HEADS, ETC. ON REFLECTED CEILING PLAN

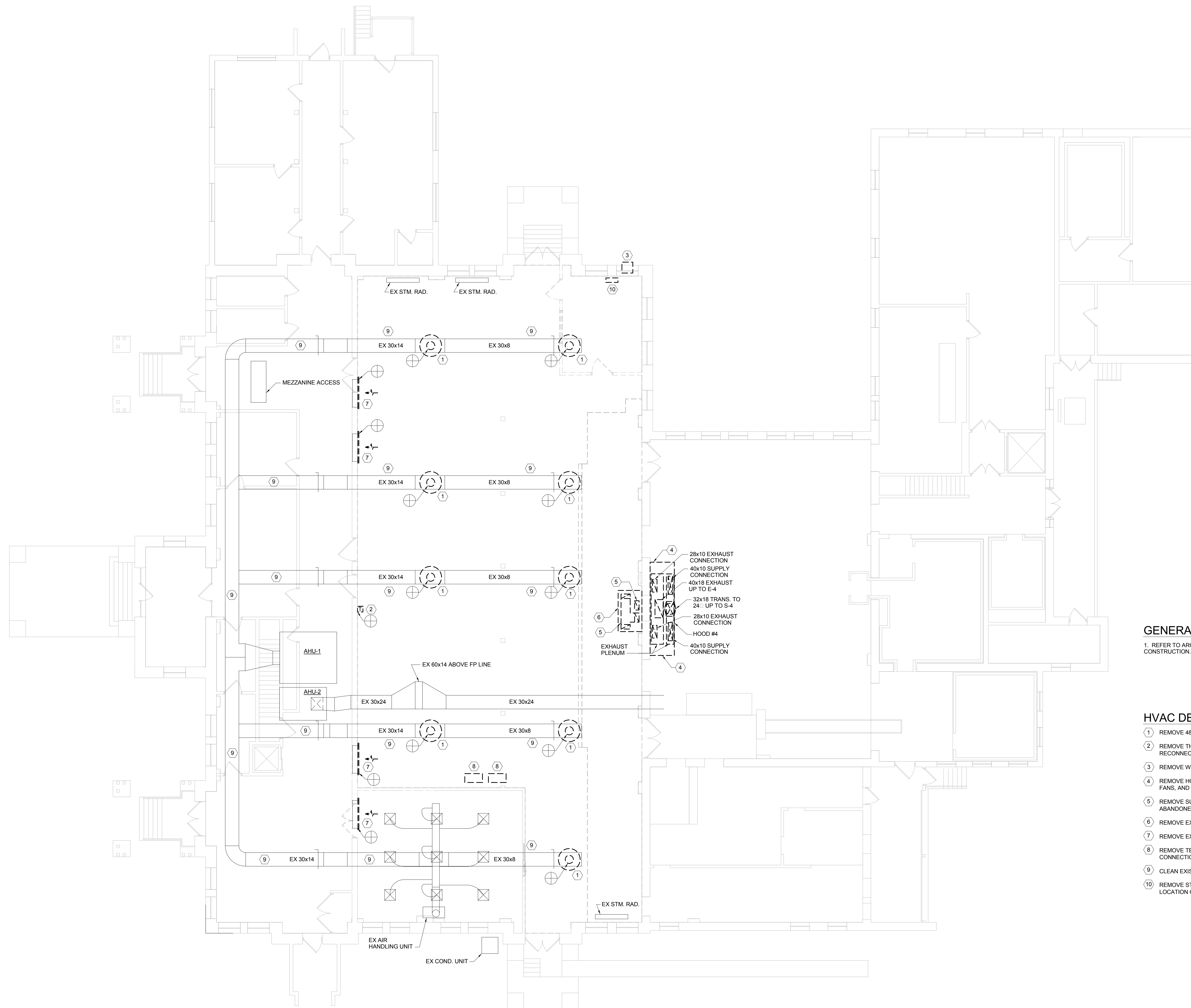
EXHAUST FAN SCHEDULE - BASE BID

MARK	TYPE/SERVICE	BALANCED CFM	SP	HP	ELECTRICAL VOLTAGE	PHASE	Hz	RPM	MANU.	MODEL	REMARKS
EF-1	KITCHEN HOOD	2451	0.75	3/4	120	1	60	891	GREENHECK	20-BISW-41	INTERLOCK WITH HOOD SWITCH AND SPEED CONTROLLER
SF-1	MAKE-UP AIR	1471	0.5	1/3	120	1	60	988	GREENHECK	BSQ-160HP	INTERLOCK WITH HOOD SWITCH AND SPEED CONTROLLER

NOTES:
1. ALL WIRING REQUIRED FOR FANS SHALL BE BY DIVISION 26.
2. FANS SHALL TIE INTO NEW CONTROL PANEL, WITH CAPABILITY TO TIE INTO THE CENTRAL CAMPUS DDC SYSTEM, FOR MONITORING AND ALARMING.

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

CONSULTANTS:		ARCHITECTS/ENGINEERS:		Drawing Title SYMBOLS, ABBREVIATIONS & GENERAL NOTES		Project Title UPGRADE BUILDING 24 DINING AREA		Date 12/13/2013	
COMMERCIAL KITCHEN CONSULTING, LLC 21 POWERS ROAD BRINGHAMTON, NY 13903 (607) 217-5399		A E works 6587 HAMILTON AVENUE PITTSBURGH, PENNSYLVANIA 15206 PH 412.287.7333 FAX 412.287.7334 www.ae-works.com				Building No. 24		Project No. 12020	
CONTACT: MIKE BERARD, KCSI						Checked SPL		DRAWING NO. VAMC-528A6-11-614	
Revisions:						Drawn SPL		24-H001	
Date						Location 76 VETERANS AVENUE, BATH, NY 14810			



① FIRST FLOOR HVAC DEMOLITION
1/8" = 1'-0"

CONSULTANTS:

COMMERCIAL KITCHEN CONSULTING, LLC
21 POWERS ROAD
BRINGHAMTON, NY 13903
(607) 217-5389

CONTACT: MIKE BERARD, KCSI

ARCHITECTS/ENGINEERS:

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6587 HAMILTON AVENUE
PITTSBURGH, PENNSYLVANIA 15206
PH: 412.287.7333 FAX: 412.287.7334
www.ae-works.com

Drawing Title
FIRST FLOOR HVAC DEMOLITION

Approved: Facility Manager	Date
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Approved: Medical Center Director	Date
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Project Title
UPGRADE BUILDING 24
DINING AREA

Building No

Location 76 VETERANS AVENUE, BATH, NY 14810

Date
12/13/2013

Project No.
12020

DRAWING NO.

24-HD101



Department of
Veterans Affairs

GENERAL DEMOLITION NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR ICRA REQUIREMENTS DURING CONSTRUCTION.

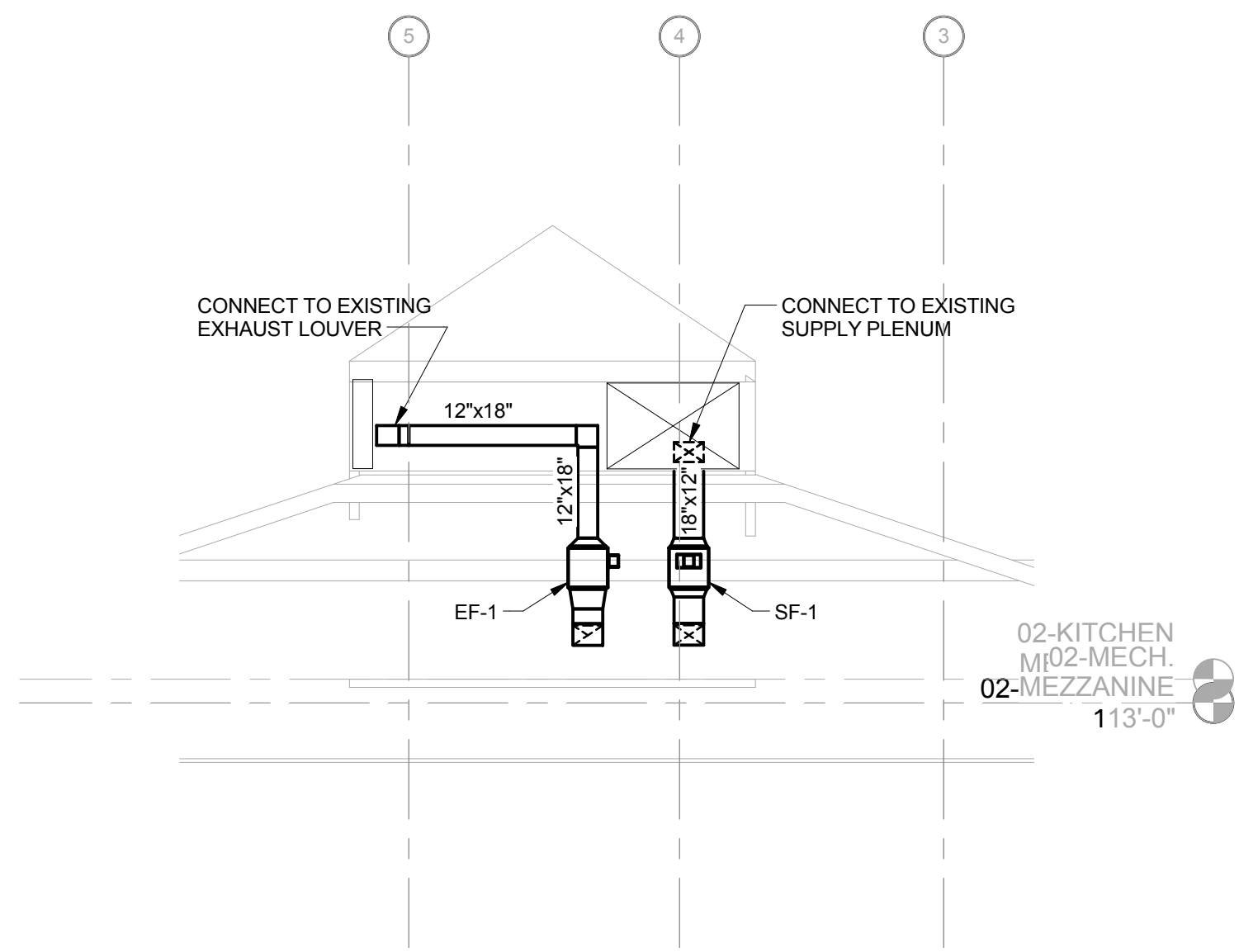
HVAC DEMOLITION KEY NOTES:

- 1 REMOVE 48" ROUND DIFFUSER AND 18" NECK.
- 2 REMOVE THERMOSTAT. MAINTAIN ANY AIR TUBING, CONDUIT, OR WIRING FOR RECONNECTION.
- 3 REMOVE WINDOW AIR CONDITIONER AND ANY SUPPORTS.
- 4 REMOVE HOOD, ANSUL SYSTEM, CONNECTED DUCT WORK, SUPPLY AND EXHAUST FANS, AND DUCTWORK TO THE LOUVERS, IN THE ATTIC.
- 5 REMOVE SUPPLY AND EXHAUST DUCT WORK TO THE FANS ABOVE. FANS TO BE ABANDONED IN PLACE, AND DEENERGIZED.
- 6 REMOVE EXHAUST HOOD AND ANSUL SYSTEM.
- 7 REMOVE EXISTING RETURN GRILLE.
- 8 REMOVE TEMPORARY AIR CONDITIONING UNIT AND ALL ASSOCIATED PIPING CONNECTIONS, AND ELECTRICAL CONNECTIONS.
- 9 CLEAN EXISTING SUPPLY DUCTWORK THAT IS TO REMAIN.
- 10 REMOVE STEAM RADIATOR. REROUTE STEAM AND CONDENSATE PIPING TO LOCATION OF NEW RADIATOR. SEE H101 FOR NEW WORK.



② SECTION THRU KITCHEN MEZZANINE
1/8" = 1'-0"

- ① ROUTE STEAM AND CONDENSATE PIPING THROUGH BASEMENT CEILING LEVEL UP THROUGH FLOOR TO NEW RADIATOR.
- ② 18" DROP DOWN APPROXIMATELY 6" TO NEW CEILING.
- ③ 60x28 RETURN DUCT TURN DOWN TO NEW CEILING. PROVIDE TWO RETURN GRILLES.
- ④ RETURN DUCT TO BE LINED.

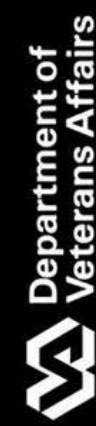


02-KITCHEN
Mf02-MECH.
02-MEZZANINE
113'-0"

CONTACT: MIKE BERARD, KCSI

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24-H101



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three inches = one foot

one and one half inch = one foot

one inch = one foot

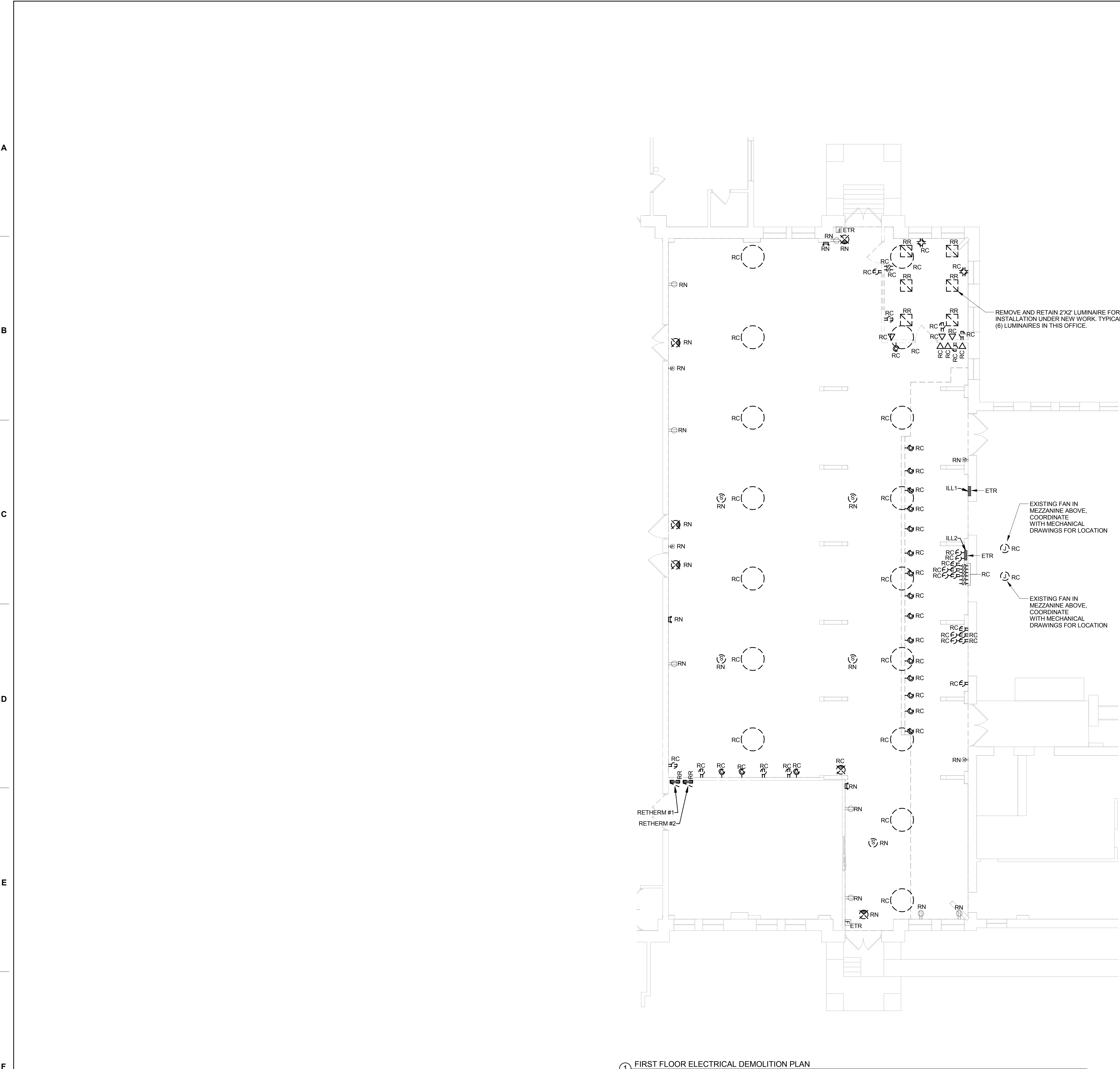
three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot



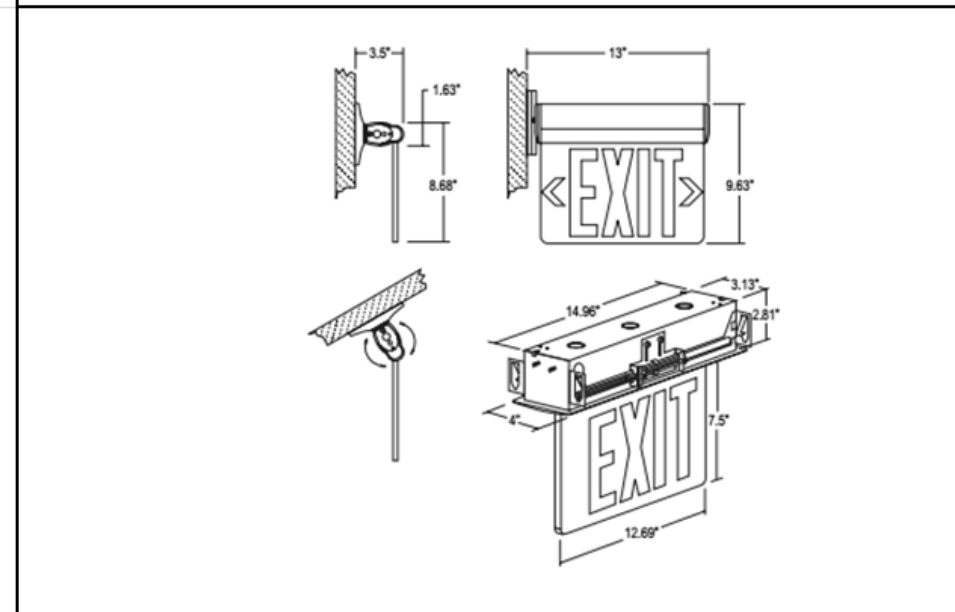
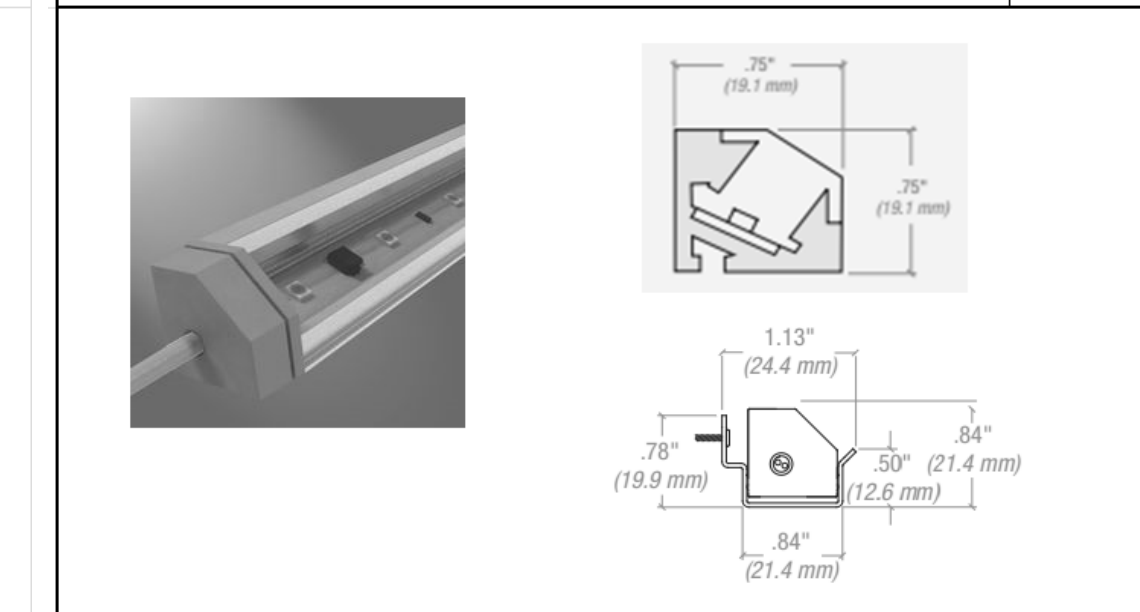
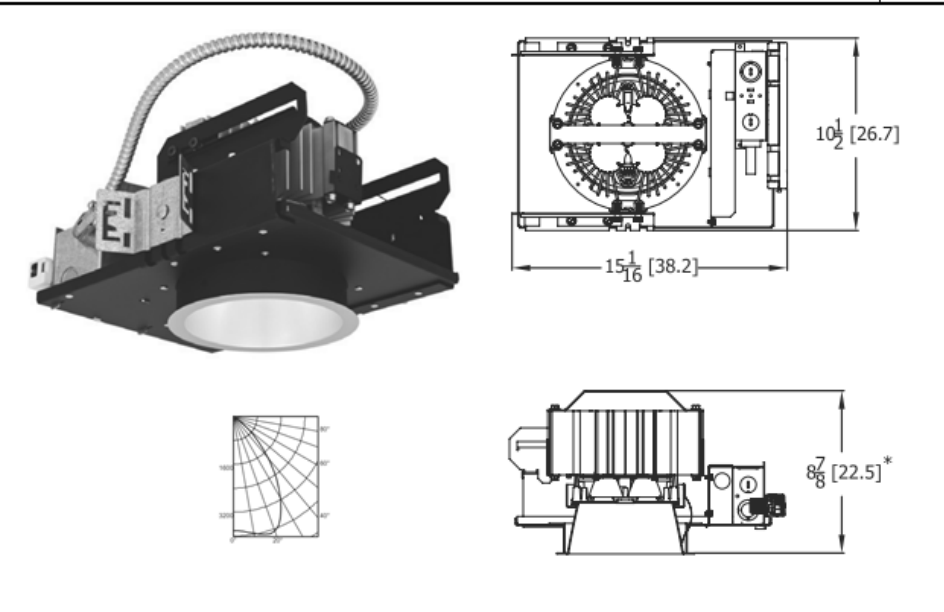
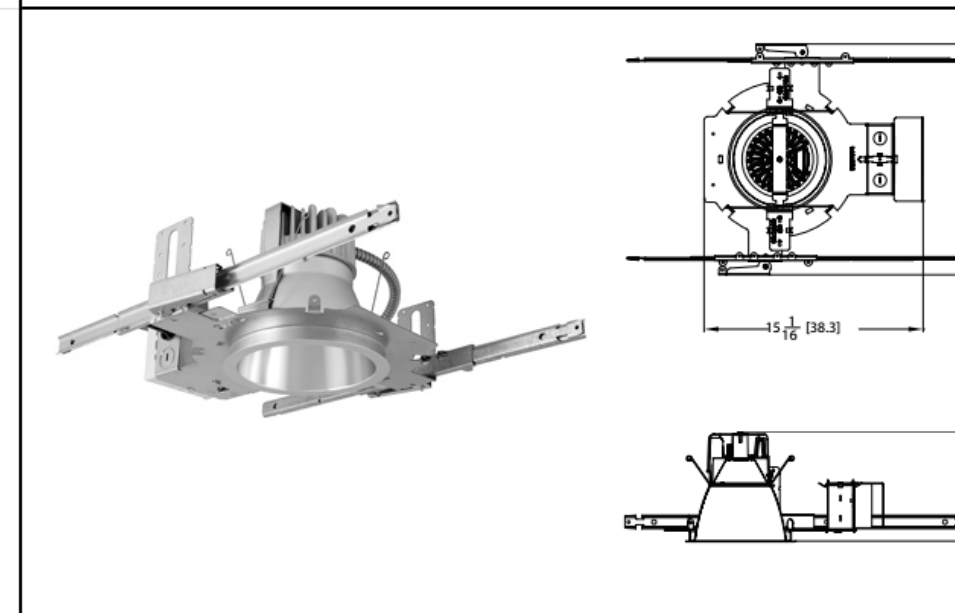
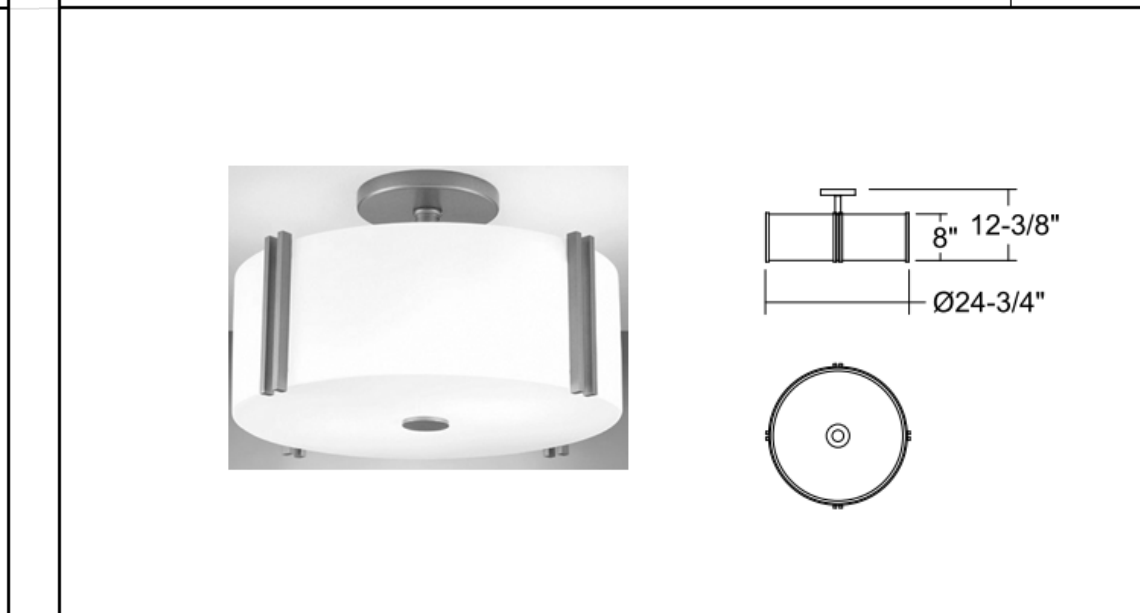
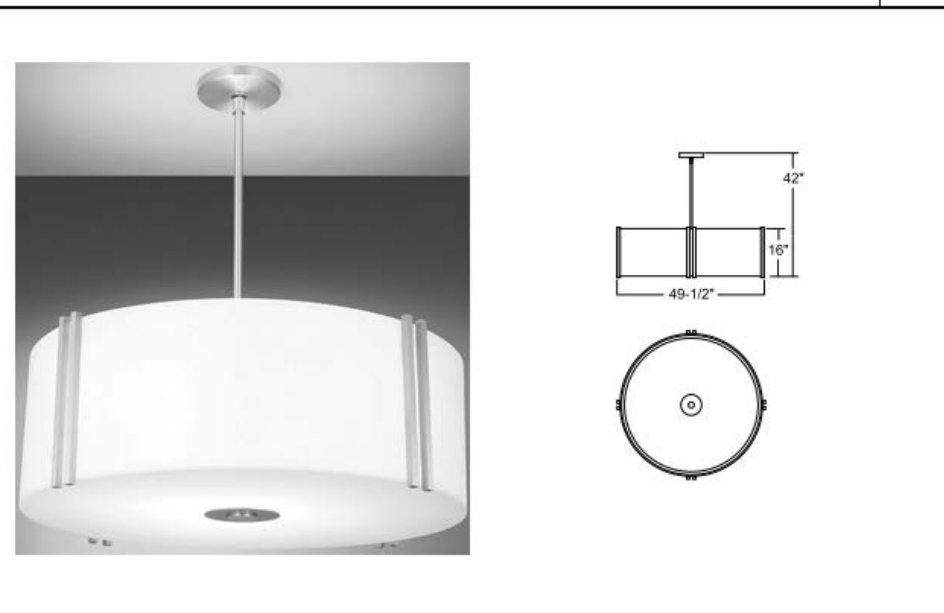
- ELECTRICAL DEMOLITION NOTES**
- A. DEMOLITION WORK SHALL BE PERFORMED TO REMOVE WIRING, DEVICES, AND OTHER APPLICABLE COMPONENTS IN SUPPORT OF NEW WORK AND TO REMOVE OLD SYSTEMS NO LONGER IN USE.
 - B. ALL DEMOLITION SHALL REMOVE SYSTEMS BACK TO THE POINT OF TERMINATION OUTSIDE THE PROJECT AREA. WHEN COMPLETE, ALL CIRCUITS AND SHARED SYSTEMS SHALL BE LEFT IN FULLY FUNCTIONING ORDER TO SUPPORT THE EXISTING BUILDING STILL IN OPERATION.
 - C. COORDINATE WITH OTHER TRADES FOR REMOVAL OF ALL SYSTEMS TO ENSURE ELECTRICAL CONNECTIONS ARE REMOVED CORRECTLY.
 - D. TO MAINTAIN CONTINUITY OF SYSTEMS, SPECIFIC DEMOLITION MAY REQUIRE CUTOVER OF SYSTEMS DURING OFF-PEAK OR OUTSIDE NORMAL WORKING HOURS. COORDINATE WITH OWNER FOR PERFORMANCE OF THIS WORK.
 - E. ALL EXISTING DATA/TELE. SHALL BE REMOVED IN ENTIRETY BACK TO DATA CLOSET AND REMOVED FROM BLOCKS/RACKS. NO EXISTING CABLE SHALL REMAIN UNLESS SPECIFIED OTHERWISE.
 - F. REMOVE EXISTING FIRE ALARM DEVICES. RETAIN FIRE ALARM NOTIFICATION AND INITIATION LOOPS FOR EXTENSION UNDER NEW WORK.
 - G. EQUIPMENT SHOWN TO BE REMOVED IS DIGRAMMATIC AND DOES NOT REPRESENT THE FULL SCOPE OF DEMOLITION WORK. REMOVE ALL POWER, LIGHTING, FIRE ALARM, AND TELECOMMUNICATION DEVICES AND EQUIPMENT LOCATED WITHIN RENOVATION AREA UNLESS NOTED OTHERWISE. REMOVE WIRING BACK TO SOURCE OF SIGNAL/VOLTAGE ORIGINATION. EXISTING FIRE ALARM AND TELECOMMUNICATION EQUIPMENT, INCLUDING FIRE ALARM CONTROL PANEL, TELECOMMUNICATION SWITCHES AND PATCH PANEL ARE TO REMAIN.
 - H. CONTRACTOR SHALL PROVIDE TWO WEEKS WRITTEN NOTICE PRIOR TO ANY SHUT DOWN. NOTICE IS TO INCLUDE BUT IS NOT LIMITED TO THE LOCATION, PANELS AND DURATION OF THE SHUT DOWN.
 - I. EXISTING FIRE ALARM CIRCUITS SERVING AREA SHALL BE RETAINED AND EXTENDED UNDER NEW WORK. FURNISH AND INSTALL WIRING TO COMPLETE CIRCUITS FOR COMPLETE OPERATIONAL SYSTEM UNDER NEW WORK. ALL FIRE ALARM PANELS ARE TO REMAIN.
 - J. COTR SHALL HAVE RIGHT OF FIRST REFUSAL TO ANY EQUIPMENT, DEVICES, LUMINAIRES, ETC. DEMOLISHED FROM THE RENOVATION AREA PRIOR TO DISPOSAL.
 - K. PROTECT THE EXISTING EQUIPMENT THAT IS TO REMAIN IN PLACE FROM DIRT, DUST, OR DAMAGE DURING THE COURSE OF DEMOLITION.
 - L. EXISTING FIRE ALARM CIRCUITS SERVING AREAS OUTSIDE OF THE SCOPE OF WORK SHALL REMAIN OPERATIONAL DURING THE ENTIRE DURATION OF THE CONSTRUCTION.

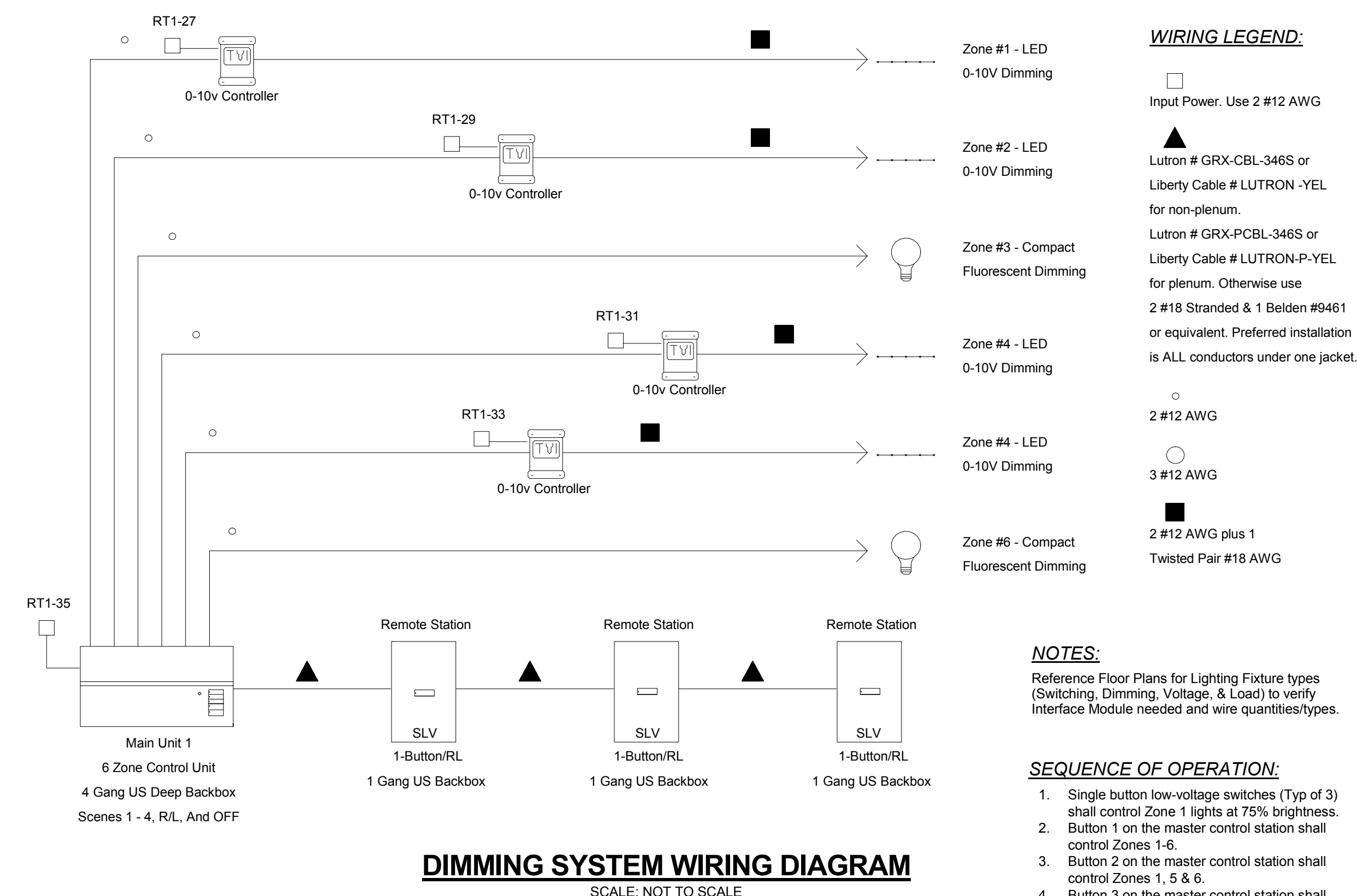
1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"



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100% CONSTRUCTION DOCUMENTS

<div>Revisions:</div> <div>Date</div>	<div>CONSULTANTS:</div> <div>COMMERCIAL KITCHEN CONSULTING, LLC 21 POWERS ROAD BRINGHAMTON, NY 13903 (607) 217-5389 CONTACT: MIKE BERARD, KCSI</div>	<div>ARCHITECTS/ENGINEERS:</div> <div>A E works 6587 HAMILTON AVENUE PITTSBURGH, PENNSYLVANIA 15206 PH: 412.287.7333 FAX: 412.287.7334 www.ae-works.com</div>	<div>Drawing Title</div> <div>FIRST FLOOR ELECTRICAL DEMOLITION PLAN</div>	<div>Project Title</div> <div>UPGRADE BUILDING 24 DINING AREA</div>	<div>Date</div> <div>12/13/2013</div>
			<div>Approved: Facility Manager</div> <div>Date</div>	<div>Building No.</div> <div>24</div>	<div>Checked</div> <div>Checker</div>
			<div>Approved: Medical Center Director</div> <div>Date</div>	<div>Drawn</div> <div>Author</div>	<div>Project No.</div> <div>12020</div>
			<div>Location</div> <div>76 VETERANS AVENUE, BATH, NY 14810</div>	<div>DRAWING NO.</div> <div>VAMC-528A6-11-614</div>	<div>24-ED101</div>

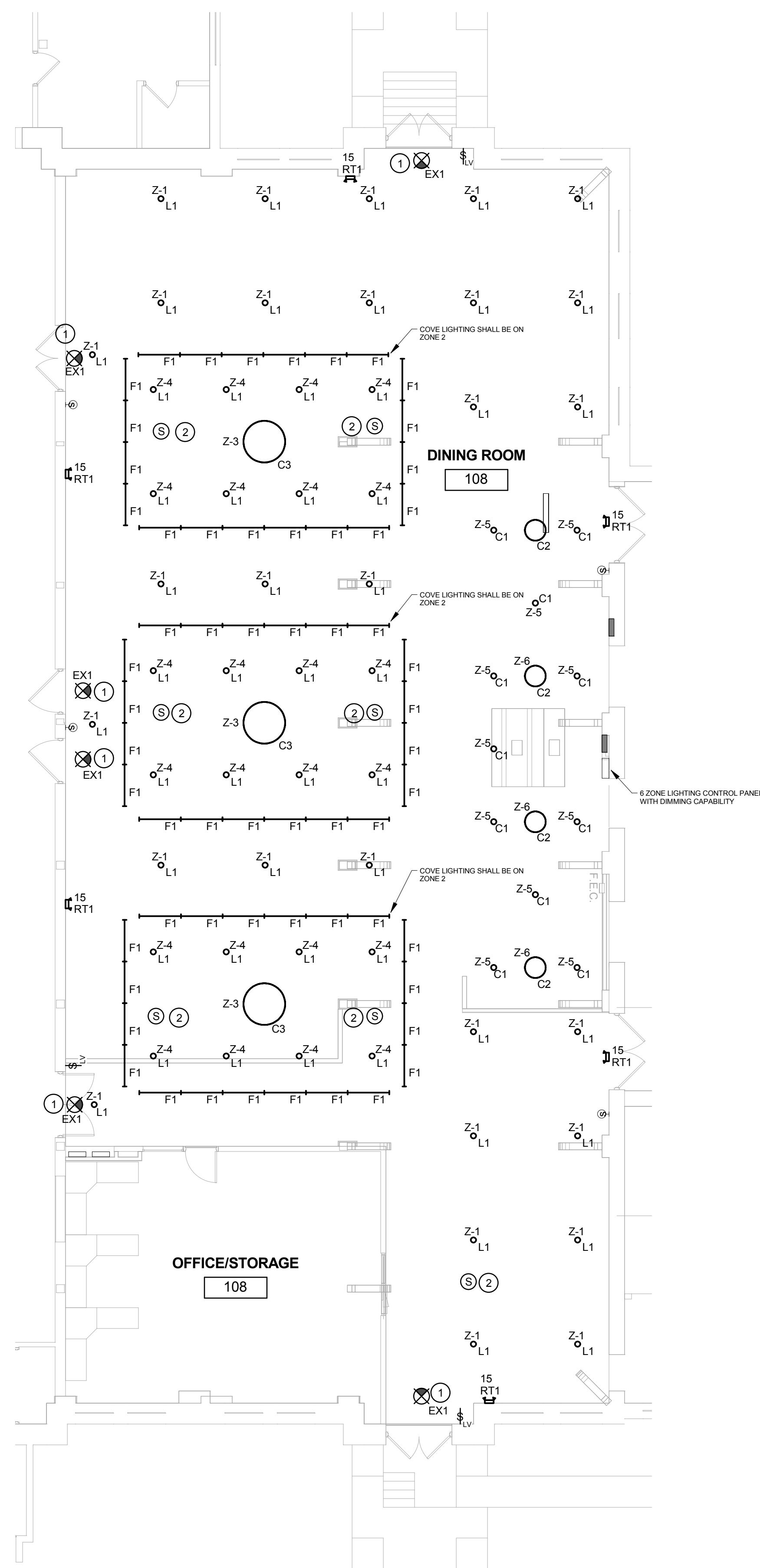
LUMINAIRE DATA SHEET	EX1	LUMINAIRE DATA SHEET	F1	LUMINAIRE DATA SHEET	L1
					
GENERAL DESCRIPTION DESCRIPTION: CLEAR EDGE-UP SINGLE SIZED EXIT SIGN WITH RED LED AND MIRROR BACK. COORDINATE CHEVRONS WITH LIGHTING FLOOR PLANS LAMP: RED LED BALLAST: WITH NICAD BATTERY MOUNTING: SURFACE UNIVERSAL BASIS OF DESIGN: EXTRONIX 5903-WB-SR-RC-BA-02		GENERAL DESCRIPTION DESCRIPTION: 4' LINEAR COVE LIGHTS LAMP: LED, 3000K BALLAST: STANDARD 0-15V DIM DRIVER MOUNTING: COVE BASIS OF DESIGN: 0 LIGHTING RLINE 75 AS 5 W/ETRIC SERIES		GENERAL DESCRIPTION DESCRIPTION: 6\" OPEN LED DOWNLIGHT WITH 65 DEGREE BEAM ANGLE AND MINIMUM 3000 LUMENS LAMP: INTEGRAL LED, 2700K, 3000 LUMEN OUTPUT BALLAST: 0-10V DIMMING DRIVER, 50 WATTS MOUNTING: RECESSED BASIS OF DESIGN: GOTHAM CO-2700-SAR-ES-120	
LUMINAIRE DATA SHEET	C1	LUMINAIRE DATA SHEET	C2	LUMINAIRE DATA SHEET	C3
					
GENERAL DESCRIPTION DESCRIPTION: 6\" OPEN LED DOWNLIGHT WITH MEDIUM BEAM ANGLE AND MINIMUM 1000 LUMENS LAMP: LED, 2700K BALLAST: LUTRON 0-15V DIMMING DRIVER MOUNTING: RECESSED BASIS OF DESIGN: GOTHAM EVO-02-15-SAR-RO-LD-10VLT		GENERAL DESCRIPTION DESCRIPTION: 24\" DIAMETER SURFACE MOUNT DECORATIVE LUMINAIRE WITH CYLINDER SHAPE, ETCHED OPAL ACRYLIC LENS AND LIGHT BRONZE FINISH LAMP: 14XCF120W B0CR-2700K BALLAST: ELECTRONIC W/ +10% THD, MINIMUM 0.9 PF MOUNTING: CEILING SURFACE BASIS OF DESIGN: WYKONA S411-S4-FG-120-0A-LBP-S1D		GENERAL DESCRIPTION DESCRIPTION: 48\" DIAMETER DECORATIVE PENDANT LUMINAIRE WITH CYLINDER SHAPE, ETCHED OPAL ACRYLIC LENS AND LIGHT BRONZE FINISH LAMP: 14XCF142W B0CR-2700K BALLAST: ELECTRONIC W/ +10% THD, MINIMUM 0.9 PF MOUNTING: PENDANT BASIS OF DESIGN: WYKONA S410-48-120V-0A-LBP-S1D	



- ## NUMBERED NOTES (THIS DRAWING)
-
- ① NEW EXIT SIGN SHALL BE CONNECTED TO EXISTING EXIT SIGN CIRCUIT PRESENTLY FEEDING THIS AREA
 - ② PROVIDE NEW PAGING SPEAKER AND CONNECT TO EXISTING PAGING CIRCUIT PRESENTLY FEEDING THIS AREA. CONTRACTOR SHALL VERIFY VRMS AND SPEAKER TAPS TO MATCH EXISTING SPEAKERS.

- GENERAL NOTES** (THIS DRAWING)

 - A. EMERGENCY LIGHTING UNITS SHALL BE CIRCUITED AHEAD OF LOCAL SWITCHING.
 - B. INSTALL THE TVI (0-10V) LED CONTROLLERS ABOVE NEAREST ACCESSIBLE CEILING



① FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

[illegible]

three inches = one foot

one and one half inch = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

Branch Panel: RT1

Location: OFFICE/STORAGE 108

Volts: 120/208 Wye

Supply From: MOUNTING: Surface

Phases: 3

Wires: 4

Enclosure: Type 1

Notes:

1. Existing 3 pole circuit breakers being removed shall be turned over to owner.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Lighting	20 A	1	500 VA	6953		3	60 A	KE-16E	2
3					6953		--	--		4
5	KE-16D (Load Center)	100 A	3	11709	0 VA	11709	6953			6
7	--	--	--	11709	0 VA			1	20 A	8
9	--	--	--		11709	0 VA		1	20 A	10
11	Spare	20 A	1			0 VA	0 VA	1	20 A	12
13	Spare	20 A	1	0 VA	0 VA			1	20 A	14
15	Spare	20 A	1		0 VA	0 VA		1	20 A	16
17	Spare	20 A	1			0 VA	0 VA	1	20 A	18
19	Spare	20 A	1	0 VA	0 VA			1	20 A	20
21	Spare	20 A	1		0 VA	0 VA		1	20 A	22
23	Spare	20 A	1			0 VA	0 VA	1	20 A	24
25	Spare	20 A	1	0 VA	0 VA			1	20 A	26
27	Lighting Control	20 A	1		1450	0 VA		1	20 A	28
29	Lighting Control	20 A	1			1620	0 VA	1	20 A	30
31	Lighting Control	20 A	1	1200	0 VA			1	20 A	32
33	Lighting Control	20 A	1		308 VA	0 VA		1	20 A	34
35	Lighting Control	20 A	1			1148	0 VA	1	20 A	36
37	Space	--	--	0 VA	0 VA			--	Space	38
39	Space	--	--		0 VA	0 VA		--	Space	40
41	Space	--	--			0 VA	0 VA	--	Space	42
Total Load:				20362 VA	20420 VA	21430 VA				
Total Amps:				170 A	170 A	179 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting - Dwelling Unit	500 VA	100.00%	500 VA	
Kitchen Equipment	55985 VA	65.00%	36391 VA	
				Total Conn. Load: 62211 VA
				Total Est. Demand: 42617 VA
				Total Conn. Current: 173 A
				Total Est. Demand Current: 118 A

Notes:

Branch Panel: RT2

Location: OFFICE/STORAGE 108

Volts: 120/208 Wye

Supply From: MOUNTING: Surface

Phases: 3

Wires: 4

Enclosure: Type 1

Notes:

1. Existing 3 pole circuit breakers being removed shall be turned over to owner.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacle	20 A	1	540 VA	864 VA			1	20 A	2
3	KE-17	20 A	1		600 VA					4
5	Receptacle	20 A	1			720 VA				6
7	--	--	--	2400				1	30 A	8
9	KE-3	20 A	1		1092	1560		1	20 A	10
11	KE-8	20 A	1			1200	1800	1	20 A	12
13	Spare	20 A	1	0 VA	0 VA			1	20 A	14
15	EF-1	20 A	1		1656	0 VA		1	20 A	16
17	Spare	20 A	1			0 VA	1800	1	20 A	18
19	Spare	20 A	1	0 VA	1560			2	20 A	20
21	Receptacle	20 A	1		360 VA	1560		--	--	22
23	KE-10	30 A	1			1920	360 VA	1	20 A	24
25	KE-16A (Load Center)	80 A	2	11547	360 VA			1	20 A	26
27	--	--	--		11547	12717		2	80 A	28
29	KE-16C (Load Center)	100 A	3		11865	12717	11865	12717	--	30
31	--	--	--	11865	0 VA			1	20 A	32
33	--	--	--		11865	0 VA		1	20 A	34
35	Spare	20 A	1			0 VA	0 VA	1	20 A	36
37	Space	--	--	0 VA	0 VA			--	Space	38
39	Space	--	--		0 VA	0 VA		--	Space	40
41	Space	--	--			0 VA	0 VA	--	Space	42
Total Load:				29135 VA	42957 VA	32382 VA				
Total Amps:				243 A	362 A	274 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	4960 VA	100.00%	4960 VA	
Kitchen Equipment	99614 VA	65.00%	64749 VA	
				Total Conn. Load: 104474 VA
				Total Est. Demand: 69609 VA
				Total Conn. Current: 290 A
				Total Est. Demand Current: 193 A

Notes:

KITCHEN EQUIPMENT SCHEDULE

Item ID	Item Description	Voltage	Poles	Amps	Power	Connection	Mounting	Nema Type	Panel	Circuit Number	Comments
2	OPEN MERCHANDISER	208 V	3	19 A	6665 W	REC	18" AFF	L14-30R			FED FROM LOAD CENTER 16C
3	TWO DOOR REFRIGERATOR	120 V	1	9 A	1092 W	REC	12" AFF	L5-15R	RT2	9	
4	FIRE SUPPRESSION SYSTEM	120 V	1	15 A	1800 W	HARDWIRED	102" AFF		RT2	12	INTERCONNECT BETWEEN CONTROL PANEL AND BUILDING FIRE ALARM SYSTEM.
5A	EXHAUST HOOD	120 V	1	20 A	2400 W	HARDWIRED	102" AFF		RT2	8	INTERWIRE LIGHTING AND LIGHT SWITCH. THE SWITCH IS PROVIDED BY E.C.
5B	CAPTURE BAR	120 V	1	15 A	1800 W	HARDWIRED	12" AFF		RT2	18	INTERWIRE CAPTURE BAR TO EXHAUST HOOD, COORDINATE WITH FEC.
6	ELECTRIC GRIDDLE	208 V	3	50 A	10400 W	HARDWIRED	24" AFF				FED FROM LOAD CENTER 16D
7A	ELECTRIC GROOVED GRIDDLE	208 V	3	50 A	10400 W	HARDWIRED	24" AFF				FED FROM LOAD CENTER 16C
7B	CLAMSHELL	208 V	2	29 A	6011 W	HARDWIRED	24" AFF				FED FROM LOAD CENTER 16C
8	DIGITAL MENU BOARD	120 V	1	5 A	600 W	REC	120" AFF	L5-15R			FED FROM LOAD CENTER 16D
9	GRIDDLE STAND REF	120 V	1	6 A	732 W	REC	12" AFF	L5-15R			FED FROM LOAD CENTER 16D
10	WARMING CABINET	120 V	1	16 A	1920 W	REC	72.5" AFF	L5-20R	RT2	23	FED FROM LOAD CENTER 16E. INTERWIRE BETWEEN LIGHTS AND LIGHT SWITCH. COORDINATE SWITCH LOCATION PRIOR TO ROUGH-IN. LIGHTS ARE PROVIDED BY FEC.
11	SNEEZE GUARD w/HEAT LAMPS	120 V	1	10 A	1200 W	REC	36" AFF				FED FROM LOAD CENTER 16E
12	DROP-IN HOT WELLS	120 V	1	5 A	576 W	REC	28" AFF	L5-15R			FED FROM LOAD CENTER 16E
13	DROP-IN HOT WELLS	120 V	1	7 A	828 W	REC	28" AFF	L5-15R			FED FROM LOAD CENTER 16E
16A	MAIN SERVING LINE LOAD CENTER	208 V	2	64 A	23053 W	HARDWIRED			RT2	25,27	
16B	MAIN SERVING LINE LOAD CENTER	208 V	2	71 A	25435 W	HARDWIRED			RT2	28,30	
16C	MAIN SERVING LINE LOAD CENTER	208 V	3	99 A	35594 W	HARDWIRED			RT2	29,31,33	
16D	MAIN SERVING LINE LOAD CENTER	208 V	3	98 A	35126 W	HARDWIRED			RT1	5,7,9	
16E	MAIN SERVING LINE LOAD CENTER	208 V	3	58 A	20859 W	HARDWIRED			RT1	2,4,6	
17	SNEEZE GUARD w/LIGHTS	120 V	1	5 A	600 W	HARDWIRED	36" AFF		RT2	3	INTERWIRE BETWEEN LIGHTS AND LIGHT SWITCH. COORDINATE SWITCH LOCATION PRIOR TO ROUGH-IN. LIGHTS ARE PROVIDED BY FEC.
18	SANDWICH/SALAD PREP REF	120 V	1	6 A	756 W	REC		L5-15R			FED FROM LOAD CENTER 16E
19A	ICE MACHINE/DISPENSER	120 V	1	13 A	1560 W	REC	36" AFF	L5-20R			FED FROM LOAD CENTER 16A
19B	ICE MACHINE/DISPENSER	120 V	1	13 A	1560 W	REC	36" AFF	L5-20R			FED FROM LOAD CENTER 16B
21	DROP-IN HOT/COLD PANS	208 V	2	15 A	3120 W	HARDWIRED			RT2	20,22	
23A	JUICE DISPENSER	120 V	1	3 A	300 W	REC	18" AFF	L5-15R			FED FROM LOAD CENTER 16B
23B	JUICE DISPENSER	120 V	1	2 A	288 W	HARDWIRED	18" AFF				FED FROM LOAD CENTER 16B
25	COFFEE DISPENSER	120 V	1	13 A	1560 W	REC	18" AFF	L5-15R	RT2	10	FED FROM LOAD CENTER 16B
27A	HEATED PLATE DISPENSER	120 V	1	6 A	756 W	REC	18" AFF	L5-15R			FED FROM LOAD CENTER 16E
27B	HEATED PLATE DISPENSER	120 V	1	6 A	756 W	REC	18" AFF	L5-15R			FED FROM LOAD CENTER 16D
28	TOASTER	120 V	1	15 A	1800 W	REC		L5-15R			FED FROM LOAD CENTER 16A
29	TOASTER CONVEYOR	208 V	2	16 A	3307 W	REC		L6-20R			FED FROM LOAD CENTER 16B
30	LIQUID COFFEE DISPENSER	120 V	1	15 A	1800 W	REC	18" AFF	L5-15R			FED FROM LOAD CENTER 16A
31	ICED CAPPUCCINO DISPENSER	120 V	1	15 A	1800 W	REC	18" AFF	L5-15R			FED FROM LOAD CENTER 16A
34A	HEATED PLATE DISPENSER	120 V	1	3 A	300 W	REC	18" AFF	L5-15R			FED FROM LOAD CENTER 16E
34B	HEATED PLATE DISPENSER	120 V	1	3 A	300 W	REC	18" AFF	L5-15R			FED FROM LOAD CENTER 16E

NUMBERED NOTES

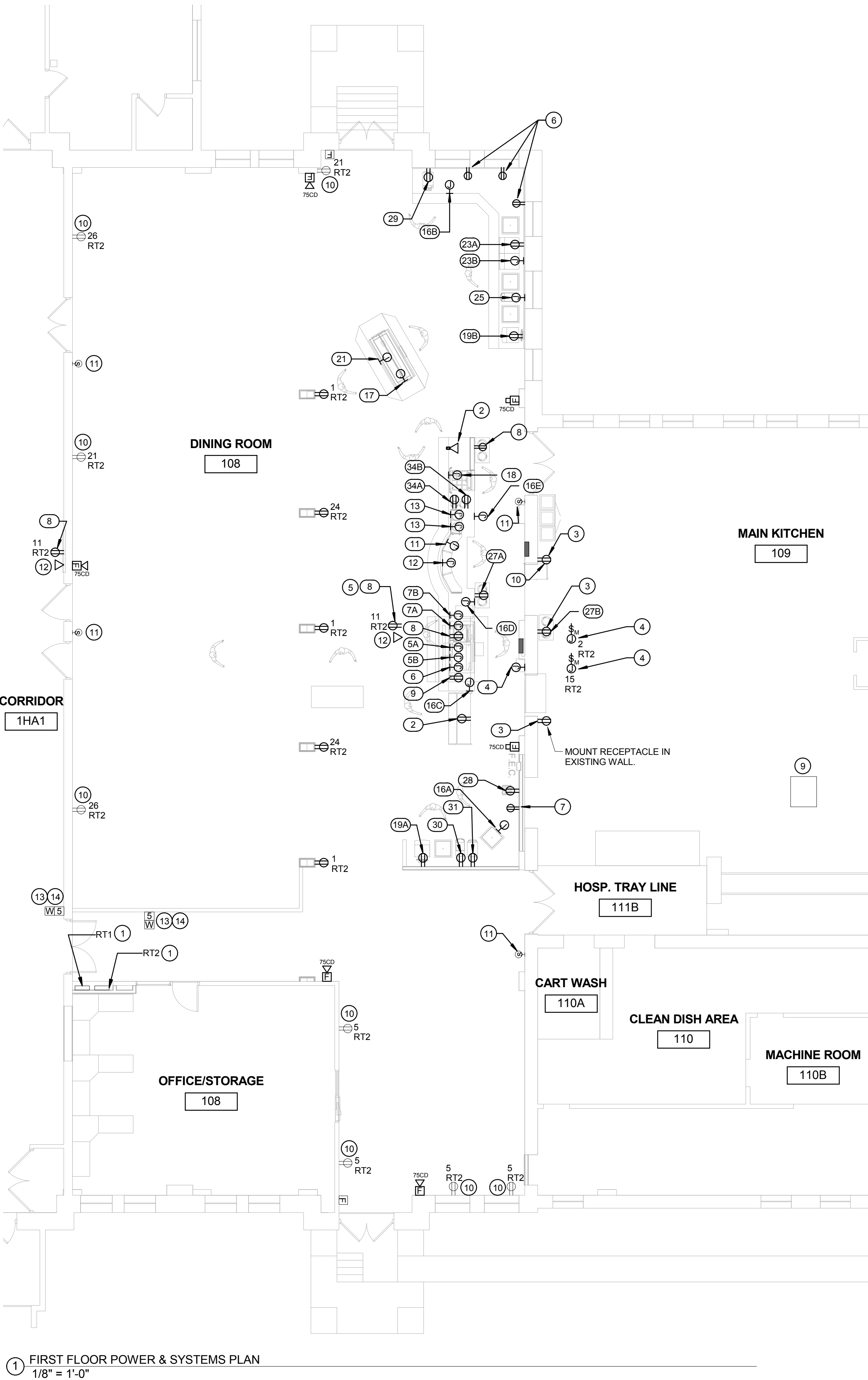
(THIS DRAWING)

- 1
- EXISTING PANELBOARDS SHALL BE REMOVED. MAIN FEEDER, AND BRANCH FEEDERS SHALL BE MODIFIED AS NEEDED TO ALLOW FOR PANELBOARD TO ROTATE 180 DEGREES AND FACE INTO DINING. PAINT CONDUIT AND PANELBOARD TO MATCH WALL.
- 2
- PROVIDE DATA OUTLET IN FOOD SERVICE EQUIPMENT ENCLOSURE FOR FUTURE CASHIER STATION.
- 3
- MOUNT RECEPTACLE IN EXISTING WALL.
- 4
- MAKE FINAL ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT TO ALLOW A COMPLETE INSTALLATION.
- 5
- MOUNT RECEPTACLE AND DATA OUTLET IN FRONT FACE OF BULKHEAD, COORDINATE LOCATION PRIOR TO ROUGH-IN.
- 6
- OUTLET SHALL BE CONNECTED TO SERVING LINE LOAD CENTER 16A FOR FUTURE EQUIPMENT.
- 7
- OUTLET SHALL BE CONNECTED TO SERVING LINE LOAD CENTER 16E FOR FUTURE EQUIPMENT.
- 8
- OUTLET SHALL BE CONNECTED TO SERVING LINE LOAD CENTER 16E FOR FUTURE EQUIPMENT.
- 9
- APPROXIMATE LOCATION OF DATA EQUIPMENT RACK ON FLOOR BELOW. ALL NEW DATA CABLING SHALL BE ROUTED TO THIS POINT FOR TERMINATION IN EXISTING CABINET.
- 10
- NEW RECEPTACLE IN EXISTING BACK BOX. PROVIDE NEW CONDUCTORS TO CIRCUIT SHOWN.
- 11
- PROVIDE NEW RADIO SOUND WALL MOUNTED SPEAKER IN EXISTING LOCATION AND CONNECT TO EXISTING CIRCUIT. CONTRACTOR SHALL VERIFY VRMS AND SPEAKER TAPS TO MATCH EXISTING SPEAKERS.
- 12
- PROVIDE (1) CAT5e CABLE FROM THIS LOCATION BACK TO MAIN COMPUTER IN OFFICE 108A.
- 13
- ALL SECURITY SYSTEM CABLING SHALL BE INSTALLED IN DEDICATED CONDUITS. CONDUITS SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH NFPA 70 SPECIFICATIONS. ALL CONDUITS SHALL BE 3/4" EMT UNLESS OTHERWISE NOTED. TIE SECURITY CABLING INTO EXISTING PACS EQUIPMENT LOCATED AT THE NEAREST TELECOM CLOSET B5104.
- 14
- PROVIDE THE PROPER INTERFACE BETWEEN THE BUILDING FIRE ALARM SYSTEM AND ACCESS CONTROLLED DOORS AS REQUIRED BY APPLICABLE LIFE SAFETY CODES.

GENERAL NOTES

(THIS DRAWING)

- A.
- NEW FIRE ALARM DEVICES SHALL BE CONNECTED TO EXISTING DEVICE CIRCUIT PRESENTLY FEEDING THIS AREA.
- B.
- REFER TO FOOD SERVICE EQUIPMENT ELEVATION DRAWINGS FOR MOUNTING HEIGHTS OF ELECTRICAL DEVICE ROUGH-INS.
- C.
- REFER TO FOOD SERVICE EQUIPMENT DRAWINGS FOR FEED IN LOCATION OF EQUIPMENT.
- D.
- CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH FOOD SERVICE EQUIPMENT INSTALLER PRIOR TO ROUGH-INS.



1

FIRST FLOOR POWER & SYSTEMS PLAN

1/8" = 1'-0"

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Drawing Title

FIRST FLOOR POWER & SYSTEMS PLAN

Project Title

UPGRADE BUILDING 24 DINING AREA

Date

12/13/2013

Project No.

12020

Approved: Facility Manager

Date

Building No.

24

Checked

Checker

Drawn

Author

Approved: Medical Center Director

Date

Location

76 VETERANS AVENUE, BATH, NY 14810

DRAWING NO.

VAMC-528A6-11-614

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