



95 NUTRITION

Tenant Build-Out

415 Commerce Dr. - Amherst, NY 14221



S.A. PROJECT # 19071-01
DATE: 01-17-2020

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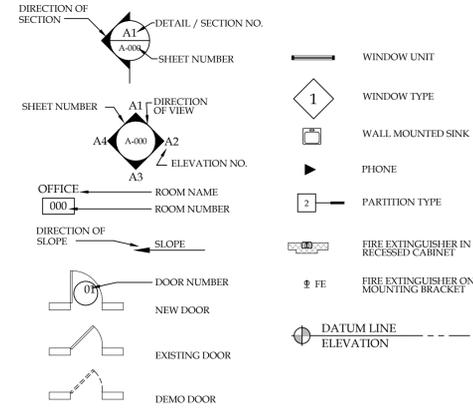
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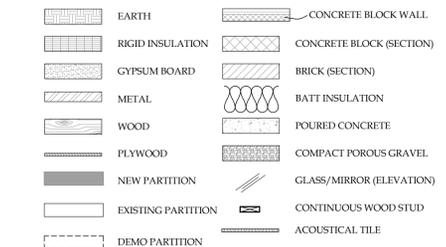
ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR	N.I.C.	NOT IN CONTRACT
ACT.	ACOUSTICAL TILE	N.T.S.	NOT TO SCALE
A.C.	AIR CONDITION	NOM.	NOMINAL
ALT.	ALTERNATE	NO.	NUMBER
ALUM.	ALUMINUM		
APPROX.	APPROXIMATE	O.C.	ON CENTER
ARCH.	ARCHITECTURAL	OPNG	OPENING
AUTO.	AUTOMATIC	OPPH	OPPOSITE HAND
		OH	OVERHEAD
BM	BEAM		
BRG	BEARING	PMBC	PREENGINEERED METAL BUILDING CONTRACTOR (PAINT ED)
B.M.	BENCH MARK	PNT	PANEL
BLK	BLOCK	P.N.L.	PAPER TOWEL DISPENSER
BLKG	BLOCKING	P.T.R.	PAPER TOWEL RECEPTOR
BD	BOARD	PVM	PAVEMENT
BD	BOTTOMS	PG BD	PLY BOARD
BRK	BRICK	PLAS.	PLASTER
B.R.C.	BRICK EXPANSION JOINT	PL	PLASTIC LAMINATE
BC	BRICK COURSE	PLAM	PLATE
BLDG	BUILDING	PL	POLISHED
BLU	BUILT-UP ROOFING	PWD	PLYWOOD
		POL	POLISH
CLG.	CEILING	PT	POINT
CAB	CABINET	PSI	POUNDS PER SQ. INCH
CPT	CARPET	PSF	POUNDS PER SQ. FOOT
C.W.	CASEWORK	PRE. FAB.	PREFABRICATED
C.B.	CATCH BASIN	PREF.	PREFINISHED
CEM	CEMENT	PROJ.	PROTECTION
CT	CERAMIC TILE	PL	PROPERTY LINE
CHBD	CHALK BOARD	QT	QUARRY TILE
CLR	CLEAR		
COL	COLUMN	RAD	RADIUS
CONC.	CONCRETE	R.W.L.	RAIN WATER LEADER
CMU	CONCRETE MASONRY UNIT	RECPT.	RECEPTACLE, ELECTRIC
CONT.	CONTINUOUS	REFR	REFRIGERATOR
CONTR	CONTRACTOR	REIN.	REINFORCE (D) (ING)
CONTR	CONTROL JOINT	RES.	REQUIRED
CJT	CORNER GUARD	RECSS. (ED)	REFLECTED CEILING PLAN
C.C.	COURSE	R.C.P.	RETURN
CRS	COURSE	RET	RETURN AIR
		RA	REVISION
DET.	DETAIL	REV	REVISION
DIA.	DIAMETER	RHS	RIGHT HAND
DIM.	DIMENSION	R	RIGHT OF WAY
DIM.	DIMENSION	R	ROOF DRAIN
DN	DOWN	RG	ROOFING
DN	DOWN	RM	ROOM
DWG	DRAWING	RND	ROUND
D.F.	DRINKING FOUNTAIN		
DIFF.	DIFFUSER		
EA	EACH	SDI	SADDLE
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	SEAT	SEATING
ELC	ELECTRICAL	SHG	SHEATHING
EL	ELEVATOR	SHI	SHIRT
ELV.	ELEVATION	SHR	SHOWER
EQ	EQUAL	SIM	SIMILAR
EX.	EXHAUST FAN	SPE	SPEAKER
EXIST.	EXISTING	SPEC	SPECIFICATIONS
EXP. JT.	EXPANSION JOINT	SQ	SQUARE
		SST	STAINLESS STEEL
		STD	STANDARD
		SD	STORM DRAIN
		S.G.T.	STRUCTURAL GLAZED TILE
		STRCT.	STRUCTURAL
		SUSP.	SUSPENDED
		SW	SWITCH
		SWBD	SWITCH BOARD
		SV	SHEET VINYL
		T.B.	TACKBOARD
		TE	TELEPHONE
		TEMP	TEMPERATURE
		TEX	TEXTURE
		THK	THICK (NESS)
		THR	THRESHOLD
		TP	TOILET PAPER HOLDER
		T/O	TOP OF
		TB	TOWEL BAR
		TYP	TYPICAL
		U.C.L.	UNDER CABINET LIGHT
		U.C.	UNDERCUT
		UR	URINAL
		V.T.R.	VENT THRU ROOF
		VENT	VENTILATOR
		VERT	VERTICAL
		VEST	VESTIBULE
		V.C.T.	VINYL COMPOSITE TILE
		V.F.	VERIFY IN FIELD
		V.W.C.	VINYL WALL COVERING
		WSC	WAINSCOT
		WS	WEATHER STRIP
		WT	WEIGHT
		WFW	WELDED WIRE FABRIC
		W.C.D.F.	WHEELCHAIR DRINKING FOUNTAIN
		W/	WITH
		W/O	WITHOUT
		WD	WOOD
MACH	MACHINE		
MH	MANHOLE		
MFR	MANUFACTURE		
MAS	MASONRY		
MAS	MASONRY OPENING		
MATL	MATERIAL		
MAX	MAXIMUM		
MECH	MECHANICAL		
MEMB	MEMBRANE		
MET	METAL		
MET.P.	METAL TOILET PARTITION		
MIN	MINIMUM		
MISC.	MISCELLANEOUS		
MULL	MULLION		

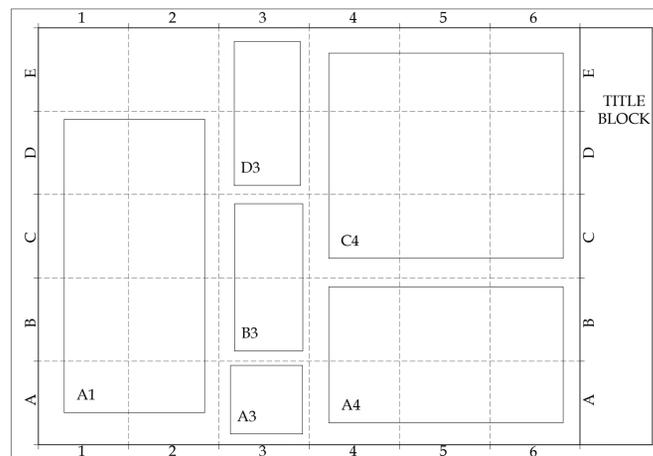
DRAFTING SYMBOLS



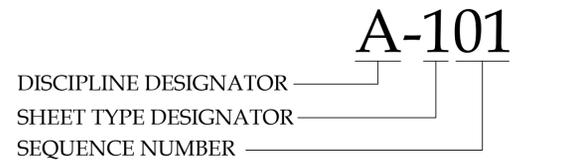
MATERIAL SYMBOLS



DRAWING AREA LOGIC



SHEET IDENTIFICATION LOGIC



DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR
G GENERAL	0 GENERAL
C CIVIL	1 PLANS
L LANDSCAPE	2 ELEVATIONS
S STRUCTURAL	3 SECTIONS
A ARCHITECTURAL	4 LARGE SCALE VIEWS
F FIRE PROTECTION	5 DETAILS
P PLUMBING	6 SCHEDULES & DIAGRAMS
M MECHANICAL	
E ELECTRICAL	

ISSUE

2020-01-17 - ISSUED FOR OWNER REVIEW / BID

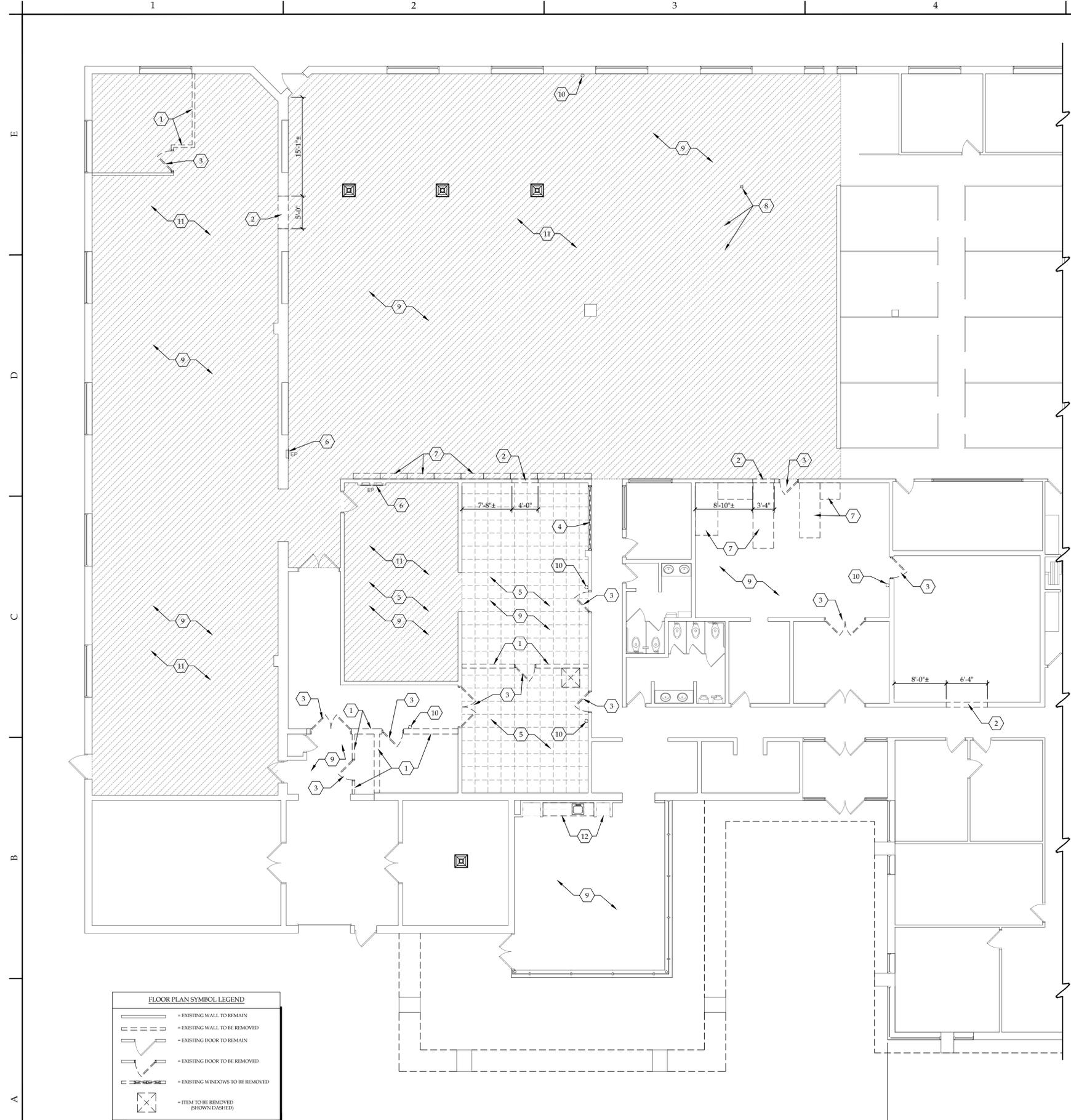
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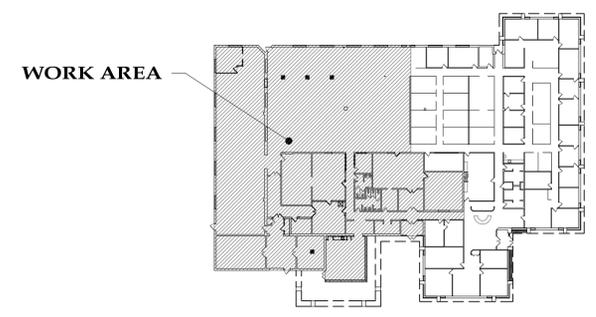


FLOOR PLAN SYMBOL LEGEND

	EXISTING WALL TO REMAIN
	EXISTING WALL TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED
	EXISTING WINDOWS TO BE REMOVED
	ITEM TO BE REMOVED (SHOWN DASHED)

- DEMOLITION PLAN NOTES:**
- REMOVE EXISTING WALL PARTITION IN ITS ENTIRETY, (FULL HT.) OR TO THE EXTENT SHOWN DASHED. BRACE & SHORE ALL CONSTRUCTION TO REMAIN AS REQ'D. TO MAINTAIN STRUCTURAL INTEGRITY. DISCONNECT & REMOVE OR REWORK ALL PLUMBING, MECHANICAL & ELECTRICAL DEVICES - INCLUDING LIGHT FIXTURES, SWITCHES, ELECTRICAL OUTLETS, CABLE TV/ INTERNET & PHONE JACKS, ALL ASSOCIATED WIRING, JUNCTION BOXES, CONDUITS FIRE ALARMS, STROBES, DIFFUSERS, WATER SUPPLY & DRAIN LINES, ETC. BACK TO SOURCE. COORDINATE ALL PLUMBING, MECHANICAL & ELECTRICAL DEMOLITION WORK W/MEP DWGS. COORDINATE SALVAGE AND/OR DISPOSAL OF ALL ITEMS W/OWNER.
 - PROVIDE OPENING IN EXISTING WALL AS REQ'D FOR NEW DOOR & FRAME, (SHOWN DASHED). PROVIDE NEW HEADER & JAMBS AS REQ'D, (SEE FLOOR PLAN, DOOR SCHEDULE & DETAILS). REWORK ELECT. OUTLETS, DEVICES, ETC. AS REQ'D. (COORDINATE WITH MEP DRAWINGS). NOTE: NEW OPENING IN MASONRY WALLS SHALL ALIGN WITH BLOCK COURSING. NEW STEEL LINTEL REQ'D. OVER NEW M.O., COORD. REQ'D. LINTEL SIZE W/ARCHITECT.
 - REMOVE EXISTING DOOR, FRAME & ASSOCIATED DOOR HARDWARE IN ITS ENTIRETY. STORE FOR POSSIBLE RE-USE ELSEWHERE WITHIN SPACE. COORDINATE SALVAGE & POSSIBLE RE-USE OF ALL DOORS WITH OWNER. WALLS THAT ARE TO REMAIN TO BE IN-FILLED WITH CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES, (FLUSH EA. SIDE), SEE FLOOR PLAN, PARTITION TYPES & FINISH SCHEDULE.
 - CAREFULLY REMOVE EXISTING INTERIOR WINDOW & FRAME IN ITS ENTIRETY. INFILL OPENING AS REQUIRED TO MATCH & BLEND WITH EXISTING ADJACENT SURFACES, (FLUSH EA. SIDE). SEE FLOOR PLAN, PARTITION TYPES & FINISH SCHEDULE. COORDINATE SALVAGE AND/OR DISPOSAL WITH OWNER.
 - REMOVE RAISED FLOOR SYSTEM THROUGHOUT THESE AREAS IN ITS ENTIRETY - INCLUDING ALL ASSOCIATED NETWORK OF CABLES, ELECTRICAL OR DATA CONDUITS, WIRING, OUTLETS, PORTS, ETC. PREPARE AREA FOR INSTALLATION OF NEW WALK-IN COOLER. COORDINATE REQUIREMENTS W/SUPPLIER & MEP DWGS. COORDINATE ALL REMOVALS, SALVAGE AND/OR DISPOSAL OF ALL ITEMS WITH MEP DWGS. & OWNER.
 - COORDINATE THE REWORKING OF ALL ELECTRICAL SERVICE PANELS, SWITCHES, OUTLETS, DEVICES, ETC. WITH ELECTRICAL DRAWINGS & OWNER. PRIOR TO ANY ELECTRICAL DEMO WORK, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DISCONNECTING APPLICABLE CIRCUITS. COORDINATE SALVAGE, REUSE AND/OR DISPOSAL OF ALL ITEMS WITH OWNER.
 - CAREFULLY REMOVE EXISTING EQUIPMENT, FURNITURE, MULTI-TIER WOOD SHELVING UNITS, ETC. & TURN OVER TO OWNER. PATCH & REPAIR WALL & FLOOR SURFACES AS REQ'D. TO PREPARE FOR NEW FINISHES.
 - REMOVE VERTICAL DATA CHASEWAY & FLOOR ELECTRICAL OUTLETS IN THIS AREA. COORDINATE WITH MEP DEMOLITION DRAWINGS. REPLACE CEILING TILE & PATCH FLOOR PENETRATIONS AS REQUIRED.
 - PATCH, INFILL, CLEAN & OTHERWISE PREPARE ALL FLOOR, WALL & COLUMN ENCLOSURE SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW LAYOUT & FINISHES, (SEE FLOOR & REFLECTED CEILING PLANS, FINISH SCHEDULE & MEP DRAWINGS)
 - REMOVE WALL MOUNTED FIRE EXTINGUISHER & ASSOCIATED WALL GRAPHIC FROM THIS LOCATION. STORE FOR REUSE ELSEWHERE IN SPACE. SEE FLOOR PLAN & F.F. DRAWINGS BY OTHERS.
 - REMOVE EXISTING CARPETING, PAD, ADHESIVE (OR TACK STRIPS), ETC. ENTIRELY FROM SPACE - INCLUDING WALL BASE - (AREA SHOWN SHADED). PREPARE SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW FLOOR FINISHES & WALL BASE - (SEE ROOM FINISH PLANS & SCHEDULES).
 - DISCONNECT & CAREFULLY REMOVE SINK, FAUCET, DISHWASHER, COUNTERTOPS, LAMINATED BACK SPLASH, BASE & WALL CABINETS FROM THIS LOCATION. RETAIN & PROTECT ALL WATER SUPPLY & DRAIN LINES AS REQ'D. - EXISTING SINK & FAUCET TO BE REINSTALLED WITHIN NEW MILLWORK. SEE DETAILS ON SHEET A-401. COORDINATE SALVAGE & OR DISPOSAL OF ALL ITEMS WITH OWNER.
 - CAREFULLY REMOVE SUSPENDED CEILING TILES & GRID TO THE EXTENT SHOWN IN THIS AREA (DASHED). PROTECT & MAINTAIN SUPPORT FOR AREAS OF CEILING TO REMAIN & BLEND WITH NEW. PREPARE AREA AS REQ'D. FOR THE INSTALLATION OF NEW CEILING SYSTEM. RELOCATE MECHANICAL, PLUMBING OR ELECTRICAL DEVICES AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN & MEP DRAWINGS). SALVAGE & STORE REMOVED CEILING TILES TO THE EXTENT POSSIBLE FOR RE-USE IN NEW LAYOUT, (SEE REFLECTED CEILING PLAN).
 - DISCONNECT & REMOVE SUSPENDED FLUORESCENT LIGHT FIXTURES, ALARMS, SPEAKERS, HVAC SUPPLY & RETURN DIFFUSERS, ASSOCIATED DUCTWORK, ETC. (SHOWN DASHED) IN THIS AREA. REWORK AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN & MEP DRAWINGS). COORDINATE SALVAGE, REUSE AND/OR DISPOSAL OF ALL ITEMS WITH OWNER.
 - DISCONNECT & REMOVE EMERGENCY EXIT SIGNAGE FROM THIS LOCATION. RELOCATE AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN, F.A. & ELECTRICAL DWGS. BY OTHERS).
 - DISCONNECT & REMOVE EMERGENCY LIGHT FIXTURE FROM THIS LOCATION. RELOCATE AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN, F.A. & ELECTRICAL DWGS. BY OTHERS).

- GENERAL DEMOLITION NOTES:**
- THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING DEMOLITION OR CONSTRUCTION AND IS TO REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
 - THE CONTRACTOR IS TO PROTECT EXISTING WALLS, FLOORS & ANY OTHER ITEMS TO REMAIN DURING CONSTRUCTION.
 - THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL ITEMS INDICATED, IMPLIED OR OTHERWISE NECESSARY TO ALLOW FOR NEW CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL DEMOLISHED ITEMS FROM THE SITE. ALL DEMOLISHED ITEMS TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
 - DEMO CONTRACTOR TO PROVIDE DUMPSTERS & MEANS OF MATERIAL REMOVAL FROM SITE, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS & AUTHORITIES HAVING JURISDICTION.
 - DEMO CONTRACTOR TO CARRY FORTH DAILY CLEAN UP OF SITE.
 - DEMO CONTRACTOR TO PROVIDE PROOF OF INSURANCE TO ARCHITECT AND OWNER.
 - DEMO CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS ON SITE SUPERVISION.
 - EXISTING ELECTRICAL CIRCUITS NOT TO BE REUSED SHALL BE REMOVED BACK TO PANELS.
 - CONTRACTOR SHALL SHORE & BRACE ANY FLOOR, WALL OR ROOF SYSTEM INVOLVED IN SUBSTANTIAL DEMOLITION THAT COULD EFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING.
 - ANY ITEM NOT SPECIFICALLY CALLED OUT TO BE REMOVED OR RELOCATED, BUT NECESSARY TO DO AS PART OF THE PROJECT, SHALL BE REMOVED & STORED ON SITE IF REQUIRED.
 - WALLS, DOORS & EQUIPMENT NOT DASHED ARE EXISTING TO REMAIN.
 - ALL DOORS, FRAMES & ASSOCIATED HARDWARE THAT ARE TO BE REMOVED WITHIN DEMOLITION AREA SHALL BE SALVAGED & TURNED OVER TO OWNER OR STORED AND REUSED ELSEWHERE WITHIN PROJECT AREA. COORDINATE ALL SALVAGE & REUSE WITH OWNER.
 - ALL SUSPENDED CEILING TILES THAT ARE TO BE REMOVED WITHIN DEMOLITION AREA ARE TO BE STORED ON SITE, PROTECTED AND REUSED ELSEWHERE WITHIN WORK AREA TO THE EXTENT POSSIBLE.
 - ALL SUSPENDED OR RECESSED LIGHT FIXTURES, EMERGENCY LIGHTING, DIFFUSERS, AIR RETURNS, ETC. THAT ARE TO BE REMOVED WITHIN DEMOLITION AREA ARE TO BE STORED ON SITE, PROTECTED AND REUSED ELSEWHERE WITHIN WORK AREA TO THE EXTENT POSSIBLE. DISCONNECT ALL ITEMS BACK TO SOURCE PRIOR TO REMOVAL. COORDINATE ALL SALVAGE & REUSE WITH OWNER.
 - PATCH & REPAIR EXISTING SURFACES DAMAGED BY DEMOLITION. ALL REPAIR WORK SHALL MATCH EXISTING ADJACENT MATERIALS & METHODS.
 - ALL EXISTING SURFACES LEFT EXPOSED AFTER DEMOLITION SHALL BE PROTECTED AND SAFEGUARDED FROM EXPOSURE FROM WEATHER AND/OR DAMAGE FROM CONSTRUCTION DURING CONSTRUCTION.
 - THIS DEMOLITION DRAWING ONLY PROVIDES A BASIC SCOPE OF WORK AND SHOULD NOT BE REFERENCED FOR OTHER TRADE WORK.
 - REMOVAL OF ALL LEAD AND ASBESTOS MATERIALS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCES, OSHA STANDARDS AND APPLICABLE CODES.
- NOTE:**
THIS FLOOR PLAN IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY LOCATIONS FOR ALL ITEMS WITHIN BUILDING.



A1 DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

A5 WORK LOCATION KEY PLAN
SCALE: NOT TO SCALE

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95 Nutrition
415 Commerce Dr.
Amherst, NY 14221

ISSUE:

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JOB CAPT. _____ INTERIORS N. Catuzza

SEAL:

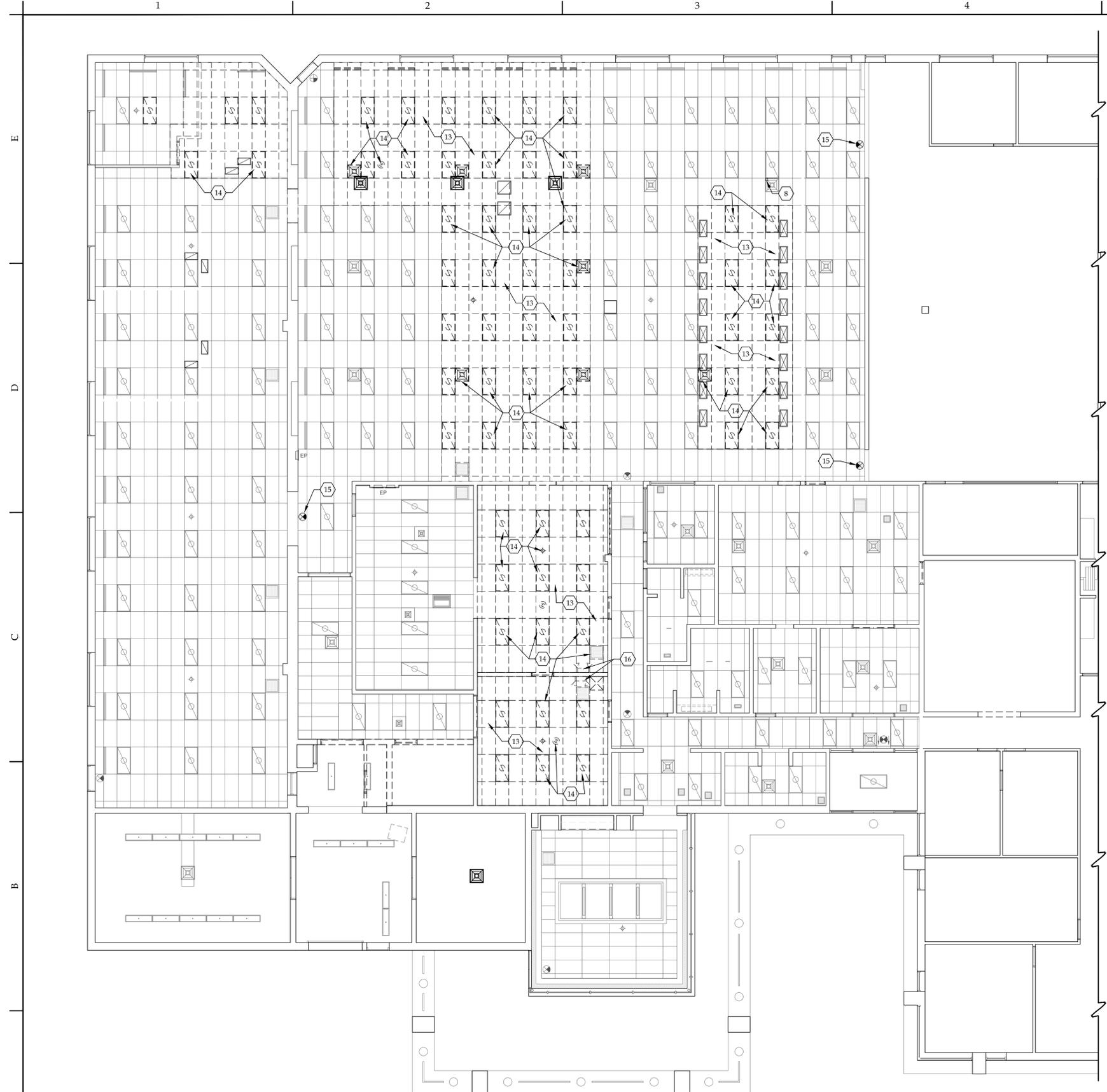
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DEMOLITION FLOOR PLAN



SA JOB #: 19071.01 **DATE:** 01-17-20

DRAWING #: AD-101



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 - CAREFULLY REMOVE SUSPENDED CEILING TILES & GRID TO THE EXTENT SHOWN IN THIS AREA (DASHED). PROTECT & MAINTAIN SUPPORT FOR AREAS OF CEILING TO REMAIN & BLEND WITH NEW. PREPARE AREA AS REQ'D. FOR THE INSTALLATION OF NEW CEILING SYSTEM. RELOCATE MECHANICAL, PLUMBING OR ELECTRICAL DEVICES AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN & MEP DRAWINGS). SALVAGE & STORE REMOVED CEILING TILES TO THE EXTENT POSSIBLE FOR RE-USE IN NEW LAYOUT, (SEE REFLECTED CEILING PLAN).
 - DISCONNECT & REMOVE SUSPENDED FLUORESCENT LIGHT FIXTURES, ALARMS, SPEAKERS, HVAC SUPPLY & RETURN DIFFUSERS, ASSOCIATED DUCTWORK, ETC., (SHOWN DASHED) IN THIS AREA. REWORK AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN & MEP DRAWINGS). COORDINATE SALVAGE, REUSE AND/OR DISPOSAL OF ALL ITEMS WITH OWNER.
 - DISCONNECT & REMOVE EMERGENCY EXIT SIGNAGE FROM THIS LOCATION. RELOCATE AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN, F.A. & ELECTRICAL DWGS. BY OTHERS).
 - DISCONNECT & REMOVE EMERGENCY LIGHT FIXTURE FROM THIS LOCATION. RELOCATE AS REQ'D. TO ACCOMMODATE NEW LAYOUT, (SEE REFLECTED CEILING PLAN, F.A. & ELECTRICAL DWGS. BY OTHERS).

- GENERAL DEMOLITION NOTES:**
- THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING DEMOLITION OR CONSTRUCTION AND IS TO REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
 - THE CONTRACTOR IS TO PROTECT EXISTING WALLS, FLOORS & ANY OTHER ITEMS TO REMAIN DURING CONSTRUCTION.
 - THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL ITEMS INDICATED, IMPLIED OR OTHERWISE NECESSARY TO ALLOW FOR NEW CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL DEMOLISHED ITEMS FROM THE SITE. ALL DEMOLISHED ITEMS TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
 - DEMO CONTRACTOR TO PROVIDE DUMPSTERS & MEANS OF MATERIAL REMOVAL FROM SITE, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS & AUTHORITIES HAVING JURISDICTION.
 - DEMO CONTRACTOR TO CARRY FORTH DAILY CLEAN UP OF SITE.
 - DEMO CONTRACTOR TO PROVIDE PROOF OF INSURANCE TO ARCHITECT AND OWNER.
 - DEMO CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS ON SITE SUPERVISION.
 - EXISTING ELECTRICAL CIRCUITS NOT TO BE REUSED SHALL BE REMOVED BACK TO PANELS.
 - CONTRACTOR SHALL SHORE & BRACE ANY FLOOR, WALL OR ROOF SYSTEM INVOLVED IN SUCH A MANNER THAT IT WILL NOT EFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING.
 - ANY ITEM NOT SPECIFICALLY CALLED OUT TO BE REMOVED OR RELOCATED, BUT NECESSARY TO DO AS PART OF THE PROJECT, SHALL BE REMOVED & STORED ON SITE IF REQUIRED.
 - WALLS, DOORS & EQUIPMENT NOT DASHED ARE EXISTING TO REMAIN.
 - ALL DOORS, FRAMES & ASSOCIATED HARDWARE THAT ARE TO BE REMOVED WITHIN DEMOLITION AREA SHALL BE SALVAGED & TURNED OVER TO OWNER OR STORED AND REUSED ELSEWHERE WITHIN PROJECT AREA. COORDINATE ALL SALVAGE & REUSE WITH OWNER.
 - ALL SUSPENDED CEILING TILES THAT ARE TO BE REMOVED WITHIN DEMOLITION AREA ARE TO BE STORED ON SITE, PROTECTED AND REUSED ELSEWHERE WITHIN WORK AREA TO THE EXTENT POSSIBLE.
 - ALL SUSPENDED OR RECESSED LIGHT FIXTURES, EMERGENCY LIGHTING, DIFFUSERS, AIR RETURNS, ETC. THAT ARE TO BE REMOVED WITHIN DEMOLITION AREA ARE TO BE STORED ON SITE, PROTECTED AND REUSED ELSEWHERE WITHIN WORK AREA TO THE EXTENT POSSIBLE. DISCONNECT ALL ITEMS BACK TO SOURCE PRIOR TO REMOVAL. COORDINATE ALL SALVAGE & REUSE WITH OWNER.
 - PATCH & REPAIR EXISTING SURFACES DAMAGED BY DEMOLITION. ALL REPAIR WORK SHALL MATCH EXISTING ADJACENT MATERIALS & METHODS.
 - ALL EXISTING SURFACES LEFT EXPOSED AFTER DEMOLITION SHALL BE PROTECTED AND SAFEGUARDED FROM EXPOSURE FROM WEATHER AND/OR DAMAGE FROM CONSTRUCTION DURING CONSTRUCTION.
 - THIS DEMOLITION DRAWING ONLY PROVIDES A BASIC SCOPE OF WORK AND SHOULD NOT BE REFERENCED FOR OTHER TRADE WORK.
 - REMOVAL OF ALL LEAD AND ASBESTOS MATERIALS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCES, OSHA STANDARDS AND APPLICABLE CODES.
- NOTE:**
THIS FLOOR PLAN IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY LOCATIONS FOR ALL ITEMS WITHIN BUILDING.

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95 Nutrition
415 Commerce Dr.
Amherst, NY 14221

ISSUE:
2018-12-06 - ADDENDUM 1

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS N.Catuzza

SEAL:

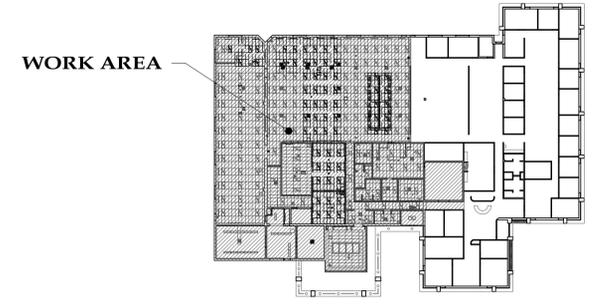
TITLE:
DEMOLITION REFLECTED CEILING PLAN

SILVESTRI ARCHITECTS - PC
1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 19071.01 **DATE:** 01-17-20

DRAWING #: AD-102

REFLECTED CEILING PLAN SYMBOL LEGEND



A5 WORK LOCATION KEY PLAN
SCALE: NOT TO SCALE

A1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

4.2 SPACE ALLOWANCES AND REACH RANGES

SECTIONS 4.2.1 - WHEELCHAIR PASSAGE WIDTH

- A. The minimum clear width for single wheelchair passage shall be 32" at a point and 36" continuously

SECTION 4.2.2 - WIDTH FOR WHEELCHAIR PASSING

- A. The minimum clear width for two wheelchairs to pass is 60"

SECTION 4.2.4.1 - SIZE AND APPROACH

- A. Minimum clear floor space for a wheelchair and occupant shall be 30" wide x 48" long. Clear floor space shall be centered on the element it serves.

4.3 ACCESSIBLE ROUTE

SECTION 4.3.2 - LOCATION

- A. At least one accessible route shall be provided from public transportation stops, accessible parking and loading zones, and public streets or sidewalks to the accessible building entrance.

SECTIONS 4.3.3 - WIDTH

- A. The minimum clear width of an accessible route shall be 36" except at doors.

SECTION 4.3.4 - PASSING SPACE

- A. If an accessible route is less than 60" in width, then passing spaces of at least 60" x 60" shall be provided at 200' max. spacing.

SECTION 4.3.5 - HEAD ROOM

- A. Accessible routes shall have 80" min. clear head room.

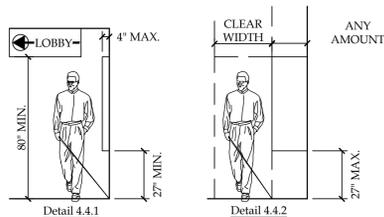
SECTIONS 4.3.7 - SLOPE

- A. Running slope shall not exceed 1:20. (If slope exceeds 1:20, refer to section 4.8)
B. Cross slope shall not exceed 1:50

4.4 PROTRUDING OBJECTS (REFERENCE DETAIL 4.4.1 & 4.4.2)

SECTIONS 4.4.1 - GENERAL

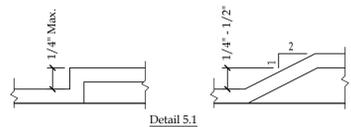
- A. Objects projecting from walls (for example, telephones) with their leading edges between 27"-80" above the finished floor shall protrude no more than 4" into walks, halls, corridors, passageways, or aisles. Objects mounted with their leading edges at or below 27" above the finished floor may protrude any amount. Free-standing objects mounted on posts or pylons may overhang 12" maximum from 27"-80" above the ground or finished floor. Protruding objects shall not reduce the clear width of an accessible route or maneuvering space.



4.5 GROUND AND FLOOR SURFACES

SECTION 4.5.2 - CHANGES IN LEVEL (REFERENCE DETAIL 5.1)

- A. Changes in level up to 1/4" may be vertical and without edge treatment
B. Changes in level between 1/4" and 1/2" shall be beveled with a slope no greater than 1:2.



SECTIONS 4.5.3 - CARPET

- A. Carpet provided on a floor surface shall be securely attached; have a firm pad or backing, or no pad; and have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Maximum pile thickness shall be 1/2". Exposed edges of carpet shall be fastened to floor surfaces and have trim along the exposed edges.

SECTION 4.5.4 - GRATINGS

- A. If gratings are located in walking surfaces or along accessible routes, then they shall have spaces no greater than 1/2" wide in one direction.
B. If gratings have elongated openings, then they shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

4.6 PARKING AND PASSENGER LOADING ZONES

SECTIONS 4.6.3 - PARKING SPACES

- A. Accessible parking shall be at least 96" wide.
B. Parking access aisles shall be at 60" wide. Van accessible access aisles shall be 96" wide.
C. Surface slope shall not exceed 1:50 in all directions (Note: no built up curb ramp may be located in an accessible parking access aisle)

SECTIONS 4.6.4 - SIGNAGE

- A. Each accessible parking space must have individual vertically mounted or suspended sign. Required van accessible spaces must be designated.
B. Characters and symbols on such signs shall be located 60" minimum above the ground.
C. Signage located within an accessible route shall be located 80" min. above the walking surface.

SECTIONS 4.6.5 - VERTICAL CLEARANCE

- A. Provide minimum vertical clearance of 114" at accessible passenger loading zones and along at least one vehicle access route from site entrances and exits.

SECTION 4.6.6 - PASSENGER LOADING ZONE

- A. Passenger loading zones shall provide an access aisle at least 60" wide and 20 ft long adjacent and parallel to the vehicle pull-up space. If there are curbs between the access aisle and the vehicle pull-up space, then a curb ramp complying with 4.7 shall be provided. Vehicle standing spaces and access aisles shall be level with surface slopes not exceeding 1:50 in all directions.

4.7 CURB RAMPS

SECTIONS 4.7.2 - SLOPE (REFERENCE DETAIL 4.7)

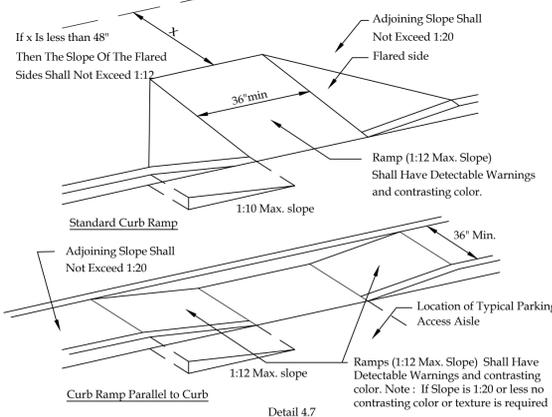
- A. Slopes of curb ramps shall comply with 4.8.2.
B. Maximum slopes of adjoining gutters, road surface immediately adjacent to the curb ramp, or accessible route shall not exceed 1:20.

SECTIONS 4.7.3 - WIDTH (REFERENCE DETAIL 4.7)

- A. The minimum width of a curb ramp shall be 36", exclusive of flared sides.

SECTION 4.7.5 - SIDES OF CURB RAMPS (REFERENCE DETAIL 4.7)

- A. If a curb ramp is located where pedestrians must walk across the ramp or where it is not protected by handrails or guardrails, it shall have flared sides; the maximum slope of the flare shall be 1:10



SECTIONS 4.7.10 - DIAGONAL CURB RAMPS

- A. If diagonal curb ramps have returned curbs or other well-defined edges, such edges shall be parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have 48" minimum clear space. If diagonal curb ramps are provided at marked crossings, the 48" clear space shall be within the markings. If diagonal curb ramps have flared sides, they shall also have at least a 24" long segment of straight curb located on each side of the curb ramp and within the marked crossing.

SECTIONS 4.7.11 - ISLANDS

- A. Any raised islands in crossings shall be cut through level with the street or curb ramps at both sides and a level area at least 48" long between the curb ramps in the part of the island intersected by the crossings.

4.8 RAMPS

SECTIONS 4.8.1 - GENERAL

- A. Any part of an accessible route with a slope greater than 1:20 shall be considered a ramp and shall comply with 4.8.

SECTIONS 4.8.2 - SLOPE AND RISE

- A. The least possible slope shall be used for any ramp. The maximum slope of a ramp in new construction shall be 1:12. The maximum rise for any run shall be 30".

SECTIONS 4.8.3 - CLEAR WIDTH

- A. The minimum clear width of a ramp 30 ft or less in length shall be 36". Ramps more than 30 ft. in length shall have a minimum clear width of 44".

SECTION 4.8.4 - LANDINGS

- A. Level landings required at top and bottom of each run, with the following features:
1. Minimum Width: Equal to width of ramp
2. Length: Minimum 60" clear
3. At change of direction landing shall be 60" x 60" min.

SECTION 4.8.5 - HANDRAILS

- A. Handrails are required at all ramps with > 6" rise.
B. Height: 34"-38" above ramp surface.
C. The clear space between the handrail and the wall shall be 1-1/2".

SECTIONS 4.8.1 - EDGE PROTECTION

- A. Ramps and landings with drop offs shall have curbs, walls, railings, or projecting surfaces that prevent slipping off the ramp. Curbs shall be a minimum of 2" high.

4.9 STAIRS

SECTION 4.9.2 - TREADS AND RISERS

- A. All steps on a flight of stairs shall have uniform riser heights and tread widths
1. Minimum tread depth shall be 11", measured from riser to riser (not including nosing)
2. Open risers are not permitted

SECTIONS 4.9.4 - HANDRAILS

- A. Non-continuous handrails shall extend 12" beyond the top riser and 12" plus the width of one tread beyond the bottom riser. At the top, the extension shall be parallel to the floor. At the bottom, the handrail shall continue to slope for a distance of one tread width (11"); the remaining extension shall be horizontal.
B. Height: 34" - 38", measured from the stair nosing.

4.10 ELEVATORS

SECTIONS 4.10.3 - HALL CALL BUTTONS

- A. Shall be centered 42" above floor

SECTIONS 4.10.3 - HALL LANTERNS

- A. Visible signals shall have the following features:
1. Fixtures shall be mounted with centerline at least 72" above the lobby floor
2. Visual elements shall be at least 2-1/2" in the smallest dimension

SECTIONS 4.10.5 - RAISED AND BRAILLE CHARACTERS ON HOISTWAY ENTRANCES

- A. All elevator hoistway entrances shall have raised and Braille floor no. designations provided on both jambs. Centerline of the characters shall be 60" above the floor. Characters shall be 2" high.

SECTIONS 4.10.6 - DOOR PROTECTIVE AND REOPENING DEVICE

- A. Elevator doors shall open and close automatically. They shall be provided with a reopening device that will stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person.

SECTIONS 4.10.12 - CAR CONTROLS

- A. All floor buttons shall be:
1. All control buttons shall be at least 3/4" in their smallest dim. They shall be flushed or raised.
2. All control buttons shall be designated by Braille and be raised standard alphabet characters for letters, Arabic characters for numerals. The call button for the main entry floor shall be designated by a raised star at the left of a floor designation.
3. Maximum 54" above floor where side approach is provided
4. Maximum 48" where forward approach is provided
B. Emergency Controls:
1. Shall have centerlines 35" minimum above floor
2. Shall be grouped at bottom of panel
C. The emergency communication system shall not require voice communication.

4.11 PLATFORM LIFTS

NOTE: REQUIRES A VARIANCE FROM THE T.D.L.R. TO USE IN LIEU OF AN ELEVATOR

SECTIONS 4.11.2, 4.27.3 - OTHER REQUIREMENTS CONTROLS AND OPERATING SYSTEMS

- A. Height permitted: Controls and operating mechanisms shall be located for either a forward or side approach from any direction of travel. They shall be located 28" min. and 48" maximum above the floor. They shall be operable with one hand. There shall be at least one handrail complying with 4.26. Wheelstops and guardrails shall be provided where necessary.

4.13 DOORS

SECTION 4.13.4 - DOUBLE - LEAF DOORWAYS

- A. Doorways with two independently operated leaves shall have at least one active leaf that meets the requirements in 4.13.5 and 4.13.6.

SECTION 4.13.5 - CLEAR WIDTH

- A. Doorways shall provide a clear opening of 32" minimum, with the door open 90°.
1. Clear opening shall be measured between the face of the door and opposite stop.
2. Openings more than 24" in depth shall provide a clear opening of 36" minimum.

Exception: Doors not requiring full user passage, such as shallow closets, shall have a clear opening of 20" minimum.

SECTION 4.13.6 - MANEUVERING CLEARANCES AT DOORS

Provide level (1:50 max. slope) and clear maneuvering area at doors as follows:

- A. Front approach pull side - 60" min. width & 18" min. beside strike edge
Front approach push side - 48" min. width & 0" beside strike edge (12" @ strike if door has both a closer and a latch)
B. Hinge side approach pull side - 60" min. width; 36" min. beside strike edge or 54" min. width; 42" min. beside strike edge
Hinge side approach push side - 42" min. width & 18" min. beside hinge edge (48" min. width if door has both a closer and a latch)
C. Latch side approach pull side - 48" min. width and 24" min. beside strike edge (54" min. width if door has a closer)
Latch side approach push side - 42" min. width and 24" min. beside strike edge (48" min. width if door has a closer)

SECTION 4.13.8 - THRESHOLDS AT DOORWAYS

- A. Maximum threshold height: 1/2" (3/4" at exterior sliding doors). Raised thresholds and floor level changes shall be beveled with a slope no greater than 1:2.

SECTION 4.13.9 - DOOR HARDWARE

- A. Handles, pulls, latches, locks, and other operating devices shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate.
1. Lever-operated mechanisms, push-type mechanisms, and U-shaped handles are acceptable designs.
2. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides.
3. Hardware required for accessible door passage shall be mounted no higher than 48" above finished floor.

SECTION 4.13.10 - DOOR CLOSERS

- A. If a door has a closer, then the sweep period of the closer shall be adjusted so that from an open position of 70°, the door will take at least 3 seconds to move to a point 3" from the latch, measured at the leading edge of the door.

SECTION 4.13.11 - DOOR OPENING FORCE

- A. The maximum force for pushing or pulling open a door shall be as follows:
1. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.

- 2. Other doors
a. Exterior hinged doors: no requirement.
b. Interior hinged doors: 5.0 lbf.
c. Sliding or folding doors: 5.0 lbf.

These forces do not apply to the force required to retract latch bolts or disengage other devices that may hold the door in a closed position.

4.15 DRINKING FOUNTAINS

SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 4.15 for accessible unit)

- A. Accessible spouts shall be no higher than 36", measured from the floor or ground surface to the spout outlet.
B. In addition to accessible unit, at least one drinking fountain shall be at standard height (may be 'high/low' type if located in one location).

SECTION 4.15.3 - SPOUT LOCATION

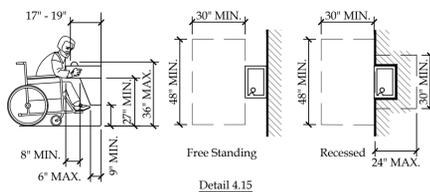
- A. Spouts shall be located at the front of the unit and shall direct the water flow in a trajectory that is parallel or nearly parallel to the front of the unit.
1. The spout shall provide a flow of water at least 4" high.
2. If the fountain has a round or oval bowl, the spout must be positioned so the flow of water is within 3" of the front edge of the fountain.

SECTION 4.15.4 - CONTROLS

- A. Unit controls shall be front mounted or side mounted near the front edge.

SECTION 4.15.5 - CLEARANCES (REFERENCE DETAIL 4.15)

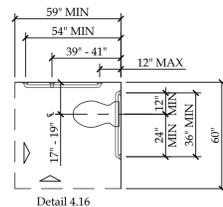
- A. Wall and post mounted cantilever fountains shall have clear knee space as follows:
1. Minimum 27" high (from apron bottom to floor) minimum 30" wide, and 17" - 19" deep.
2. A minimum 30" by 48" clear floor space allowing a forward approach to the unit shall be provided.
B. Free standing or built-in units having a clear knee space shall have a minimum 30" by 48" clear floor space allowing a parallel approach to the unit.



4.16 WATER CLOSETS

SECTION 4.16.2 - CLEAR FLOOR SPACE

- A. Clear floor space for water closets not in stalls shall be provided as follows:
Front approach - 48" min. wide x 66" min. long
Side approach - 56" min. to front of toilet x 48" min. wide
Both approach - 60" min. wide x 56" min. long (Reference Detail 4.16)
B. No door swings are allowed in clear floor area.



SECTION 4.16.3 - HEIGHT (REFERENCE DETAIL 4.16.2)

- A. The height to the top of the toilet seat shall be 17" - 19" above floor.

- 1. Seats shall not be sprung to return to a lifted position.
SECTION 4.16.4, 4.26 - GRAB BARS (REFERENCE DETAILS 4.16.1, 4.16.2 & 4.16.3)

- A. For water closets not located in the toilet stalls, the following grab bars shall be provided, 33" - 36" above the finish floor:
1. Side wall: 42" long minimum, hold 12" min. from back wall. Vertical grab bar: 18" long minimum, mounted with the bottom of the bar located between 39" - 41" above the floor, and with the center line of the bar located between 39" - 41" from the rear wall.
2. Back wall: 36" long minimum, 12" minimum each side of water closet centerline.

Refer to 4.26 Grab Bars for size and structural elements.

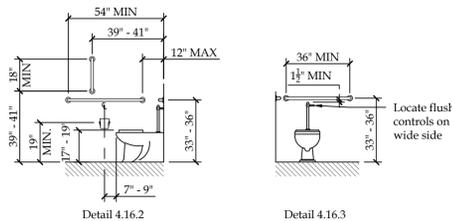
SECTION 4.16.5, 4.27.4 - FLUSH CONTROLS (REFERENCE DETAIL 4.16.3)

- A. Controls shall be 44" maximum above the finish floor.
1. Lever controls or flush valves shall be mounted on the wide side of toilet areas.
2. Controls shall be hand operated or automatic.
3. Controls shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist.
4. The force required to activate controls shall be no greater the 5lbf.

SECTION 4.16.6 - DISPENSERS (REFERENCE DETAIL 4.16.2)

- A. Toilet paper dispensers shall be installed on the side wall, a minimum 19" above the floor, and a maximum 36" from the rear wall.

- 1. Dispensers that control delivery or do not permit continuous paper flow shall not be used.



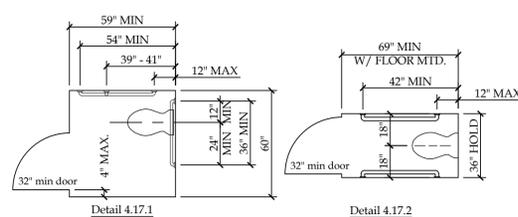
4.17 TOILET STALLS

SECTION 4.22.4 - WHERE APPLICABLE

- A. If toilet stalls are provided in a toilet room or bathroom, then at least one shall be a "standard" accessible toilet stall (for wheelchair users) complying with this section. (REFERENCE DETAIL 4.17.1)
B. If 6 or more toilet stalls are provided in a toilet room or bathroom in addition to the "standard" accessible stall required; an additional "alternate A" accessible stall 36" wide (for ambulatory persons with disabilities) complying with this section shall be provided. (REFERENCE DETAIL 4.17.2)
C. Alterations/Existing Conditions: In alteration work, where provision of a "standard" accessible stall is technically infeasible, or where plumbing code requirements prevent combining existing stalls to provide space, either "alternate" stall (A or B) complying with this section may be provided in lieu of the standard stall. (Note: requires a variance from T.D.L.R.)

SECTION 4.17.3 - SIZE AND ARRANGEMENT (REFERENCE DETAIL 4.17)

- A. Toilet stalls may be arranged to provide either a left or a right handed approach. Accessible toilet stalls shall have the following dimensions:
1. "Standard" Accessible Stall
60" minimum width.
59" minimum depth, with floor mounted water closet
56" minimum depth, with wall mounted water closet
Door: outward swinging (if door swings into stall, depth shall be increased by 36". Stall door must have 18" on pull strike jamb.)
2. "Alternate A" Accessible Stall (required when more than 6 stalls)
36" width - hold this dim.
69" minimum depth, with floor mounted water closet.
66" minimum depth with wall mounted water closet
Door: outward swinging.
3. "Alternate B" Accessible Stall (permitted in lieu of standard stall only with variance from T.D.L.R.)
48" minimum width.
54" minimum depth.
Door: outward swinging.



SECTION 4.17.4 - TOE CLEARANCES

- A. In "standard" accessible stalls, the front partition and at least one side partition shall provide a toe clearance of at least 9" above the floor.
B. If the depth of the stall is greater than 60", the toe clearance is not required.

SECTION 4.17.5 - DOORS

- A. Toilet stall doors, including hardware, shall comply with 4.13 DOORS
B. If toilet stall approach is from the latch side of the stall door, clearance between the door side of the stall and any obstruction shall be 42" minimum. (This is an exception from the typical door maneuvering clearances)

SECTION 4.17.6 - GRAB BARS (REFERENCE DETAILS 4.16.2, 4.16.3, 4.17.1 & 4.17.2)

- A. Grab Bars shall be mounted 33" - 36" above the floor.
B. A vertical grab bar 18" long minimum shall be mounted with the bottom of the bar located between 39" - 41" above the floor, and with the center line of the bar located between 39" - 41" from the rear wall.

Refer to 4.26 Grab Bars for size and structural requirements.

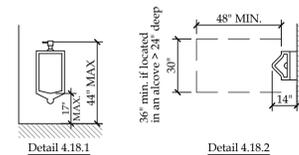
4.18 URINALS

SECTION 4.18.2 - HEIGHT (REFERENCE DETAIL 12.3.1)

- A. Urinals shall be stall-type or wallhung with a tapered, elongated rim at 17" maximum above the finished floor. The rim shall extend a minimum of 14" from the wall.

SECTION 4.18.3 - CLEAR FLOOR SPACE (REFERENCE DETAIL 4.18.1)

- A. A clear floor space 30" wide by 48" deep minimum shall be provided in front of urinal to allow forward approach.
1. This space shall adjoin or overlap an accessible route.
2. Urinal shield that do not extend beyond the front edge of the urinal rim may be provided with 29" clearance between them.
3. Urinals installed in alcoves deeper than 24" require a maneuvering area of at least 36" minimum wide, centered on fixture.
SECTION 4.18.4 - FLUSH CONTROLS (REFERENCE DETAIL 4.18.2)
A. Controls shall be 44" maximum above the finished floor.
1. Controls shall be 44" maximum above the finished floor.
2. Controls shall be hand operated or automatic.
3. The force required to activate controls shall be no greater than 5 lbf.



GENERAL NOTES: NOT ALL CODE DEFINITIONS LISTED ON THIS SHEET MAY BE IN PROJECT

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PAT CONSTRUCTION MANAGEMENT CORP.

95 NUTRITION CHANGING LIVES ONE MEAL AT A TIME
95 Nutrition
415 Commerce Dr.
Amherst, NY 14221

ISSUE:
SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. DRAFTER
JOB CAPT. INTERIORS N.Catuzza

SEAL:

TITLE:
ADA DETAILS, & NOTES

SILVESTRI ARCHITECTS - PC
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AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 19071.01 DATE: 01-17-20

DRAWING #: A-001

ACCESSIBILITY NOTES

- ACCESSIBILITY TO PERSONS WITH DISABILITIES SHALL BE REQUIRED THROUGHOUT ALL AREAS OF THE LEASED SPACE IN ACCORDANCE WITH THE MORE STRINGENT OF: 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, INTERNATIONAL BUILDING CODE 2003, 2010 BUILDING CODE OF NEW YORK STATE, 2004 ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES (ABAAS) & ANSI-A117.1-2003. AND SHALL BE INSTALLED AND COORDINATED WITH TENANT IMPROVEMENTS. TO THE EXTENT THE STANDARD REFERENCED IN THE PRECEDING SENTENCE CONFLICTS WITH LOCAL ACCESSIBILITY REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL APPLY.

GENERAL NOTES

- CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE 2015 NEW YORK STATE BUILDING CODES, OSHA STANDARDS AND FIRE SAFETY CODE / RELEVANT SECTIONS OF THE N.F.P.A. & ANY LOCAL CODES BEING MORE RESTRICTIVE THAN THE MINIMUMS LISTED.
- CONSTRUCTION MEANS, METHODS, TECHNIQUES AND CRAFTSMANSHIP ARE THE RESPONSIBILITY OF THE CONTRACTOR. G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. CONTACT ARCHITECT IF MAJOR DISCREPANCIES OCCUR BETWEEN DRAWINGS AND EXISTING CONDITIONS.
- THE CONTRACTOR IS REQUIRED TO INSPECT THE PROJECT SITE IN ORDER TO DETERMINE THE EXTENT OF THE REQUIRED WORK. THIS INSPECTION SHALL BE COMPLETED PRIOR TO THE SUBMISSION OF ANY PROPOSAL. TO COMPLETE THIS PROJECT. INSPECTION TIMES SHALL BE COORDINATED WITH THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL INFORMATION ON THE DRAWINGS.
- ALL DIMENSIONS SHOWN FOR EXISTING STRUCTURES ARE BASED ON RECORD DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR IS ADVISED THAT SAID DRAWINGS MAY NOT ACCURATELY REFLECT AS BUILT CONDITIONS. ACCURATE FIELD MEASUREMENTS SHOULD BE MADE PRIOR TO ORDERING ANY PREFABRICATED MATERIALS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND SHALL BE REFLECTED ON THE CONTRACTORS SHOP DRAWINGS.
- THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS FOR THIS PROJECT WILL BE COMPLETED TO THE SCOPE OF THE PROJECT IN COMPLIANCE WITH THE OWNER AND DESIGN TEAM. ANY CHANGES TO THESE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS WILL ONLY BE DONE BY A CHANGE ORDER THAT IS APPROVED BY THE OWNER.
- CONSIDERATION WILL NOT BE GRANTED FOR ANY ALLEGED MISUNDERSTANDINGS AS TO THE AMOUNT AND / OR SCOPE OF WORK TO BE PERFORMED. TENDER OF PROPOSAL SHALL CONVEY FULL AGREEMENT TO THE TERMS, AND CONDITIONS INDICATED IN THE CONSTRUCTION DOCUMENTS. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS OR BE IN DOUBT AS TO THE INTENT THEREOF, THE CONTRACTOR SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO SUBMITTING A PROPOSAL FOR THE WORK.
- CONTRACTORS SHALL RECORD ALL DEVIATIONS FROM THE DESIGN DOCUMENTS IN THE DRAWINGS, AND PROVIDE A COPY TO THE ARCHITECT UPON THE COMPLETION OF WORK.
- PROVIDE APPROVED SEPARATION BY MEANS OF COATINGS, GASKETS, OR OTHER EFFECTIVE MEANS TO PREVENT GALVANIC CORROSION BETWEEN ALL DISSIMILAR METALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS OF THIS PROJECT TO ADJACENT PROPERTY, UTILITIES, PAVEMENT, LANDSCAPING, STRUCTURES OR IMPROVEMENTS OF ANY KIND. THE CONTRACTOR SHALL REPAIR ALL SUCH DAMAGED ITEMS TO THE CONDITION THEY WERE IN PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES OR BETTER.
- WHERE IT IS NECESSARY TO INSURE STABILITY, CONTRACTOR IS TO PROVIDE ADDITIONAL ANCHORING AND/OR BLOCKING IN STUD PARTITIONS OR BRACE PARTITIONS ABOVE CEILINGS.
- ALL OWNER SUPPLIED ITEMS WILL BE COORDINATED WITHIN THE CONTRACTOR'S CONSTRUCTION SCHEDULES PRIOR TO CONSTRUCTION COMMENCEMENT.
- THE CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS, SPECIFICATIONS, AND SITE AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL REPORT ANY INCONSISTENCIES TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION BEFORE BEGINNING CONSTRUCTION.
- ALL PHASES OF THE WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE AND THE LIFE SAFETY CODE (NFPA-101). HOWEVER, WHERE THE DRAWINGS AND/OR SPECIFICATIONS ARE MORE STRINGENT THEY SHALL GOVERN. THE CONTRACTOR SHALL INFORM THE ARCHITECT OF ANY CODE DISCREPANCY PRIOR TO COMMENCEMENT OF WORK.
- ALL WORK SHALL COMPLY WITH OSHA STANDARDS.
- ALL DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TO FACE OF CONCRETE OR MASONRY, CENTERLINE OF COLUMNS AND BEAMS, AND FINISH TO FINISH, UNLESS OTHERWISE NOTED
- THE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WORK. ANY DISCREPANCIES BETWEEN THE ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO PROCEEDING WITH SAID WORK.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SOME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
- CONTRACTOR SHALL VERIFY AND ESTABLISH THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WITHIN THE WORK AREA, AND SHALL COORDINATE WITH THE OWNER AND THE UTILITY COMPANIES PRIOR TO THE START OF THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING AND BRACING REQUIRED TO ADEQUATELY PROTECT PERSONAL AND ADJACENT PROPERTY AND TO INSURE SAFETY OF THE STRUCTURE THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL CEILING HEIGHTS AS SHOWN ON DETAILS OR PLANS OR NOTES ARE FROM TOP OF CONCRETE DECK TO FINISH CEILING. USE OF THE TERM ABOVE FINISH FLOOR (A.F.F.) MEANS MEASURED FROM THE TOP OF CONCRETE DECK. CONTRACTOR SHALL ALLOW FOR AND COORDINATE WORK WITH FLOOR FINISH MATERIAL AND INSTALLATION METHOD.
- PROVIDE INDEPENDENT SUSPENSION FOR ALL LIGHT FIXTURES. SUSPENSION FOR CEILING AND LIGHT FIXTURES SHALL BE INDEPENDENT OF SUSPENSION FOR DUCT WORK.
- ALL EQUIPMENT AND MATERIALS INSTALLED IN THIS JOB SHALL BE NEW AND FREE OF ANY DEFECTS UNLESS OTHERWISE NOTED.
- ALL RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND/OR NEW WORK IS THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER. MAINTAIN BUILDING AREAS CLEAN AND FREE OF ACCUMULATED DIRT AND DEBRIS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE WORK WITH EQUIPMENT INSTALLATIONS AND OWNER'S REQUIREMENTS.
- INTERIOR AND/OR EXTERIOR THRESHOLDS SHALL BE A MAXIMUM 1/2" ABOVE THE ADJACENT FLOOR.
- ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT ANY SPECIAL EFFORT OR KNOWLEDGE.
- ALL CONSTRUCTION AND MATERIALS SHALL BE OF THE HIGHEST QUALITY AND CONFORM TO ACCEPTED INDUSTRY/TRADE STANDARDS FOR GOOD DESIGN AND CONSTRUCTION.
- LOCATE ALL CONVENIENCE OUTLETS A MINIMUM OF 18" FROM THE FINISHED FLOOR.
- NEITHER THE OWNER NOR THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE POSSIBILITY THAT UTILITIES OTHER THAN THOSE SHOWN EXIST.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF HIS WORK AND SCHEDULE WITH WORK BEING PERFORMED BY OTHERS AND THE USER/OWNER OF THE BUILDING.
- THE CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE WITH THE OWNER FOR ALL BUILDING AND CONSTRUCTION SIGNAGE.
- THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL AND PLUMBING HOOK-UPS AND/OR CONNECTIONS FOR ALL OWNER FURNISHED EQUIPMENT.
- ALL HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE SHALL BE ADA COMPLIANT HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
- OPEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALL AND ROOF, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED, CAULKED, OR WEATHERSTRIPPED AND MADE WATER TIGHT UNLESS NOTED OTHERWISE.
- ALL MANUALLY OPERATED SWITCHES AND CONTROLS ARE TO BE MOUNTED BETWEEN 36" AND 48" A.F.F., UNLESS NOTED.
- CONTRACTOR SHALL INSTALL CONTROL JOINTS ON ALL INTERIOR GYP. BOARD PARTITIONS AT 30'-0" MAX. IN EITHER DIRECTION AND AT ALL DOOR JOINTS (TWO PER OPENING).
- ELECTRICAL CONTRACTOR RESPONSIBLE TO PROVIDE POWER FOR ALL OTHER TRADES' EQUIPMENT.
- ALL SUBMITTALS AND RFIS ARE TO BE SUBMITTED, THROUGH THE CONSTRUCTION MANAGER, TO THE ARCHITECT IN WRITING.

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ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS N.Catuzza

SEAL:

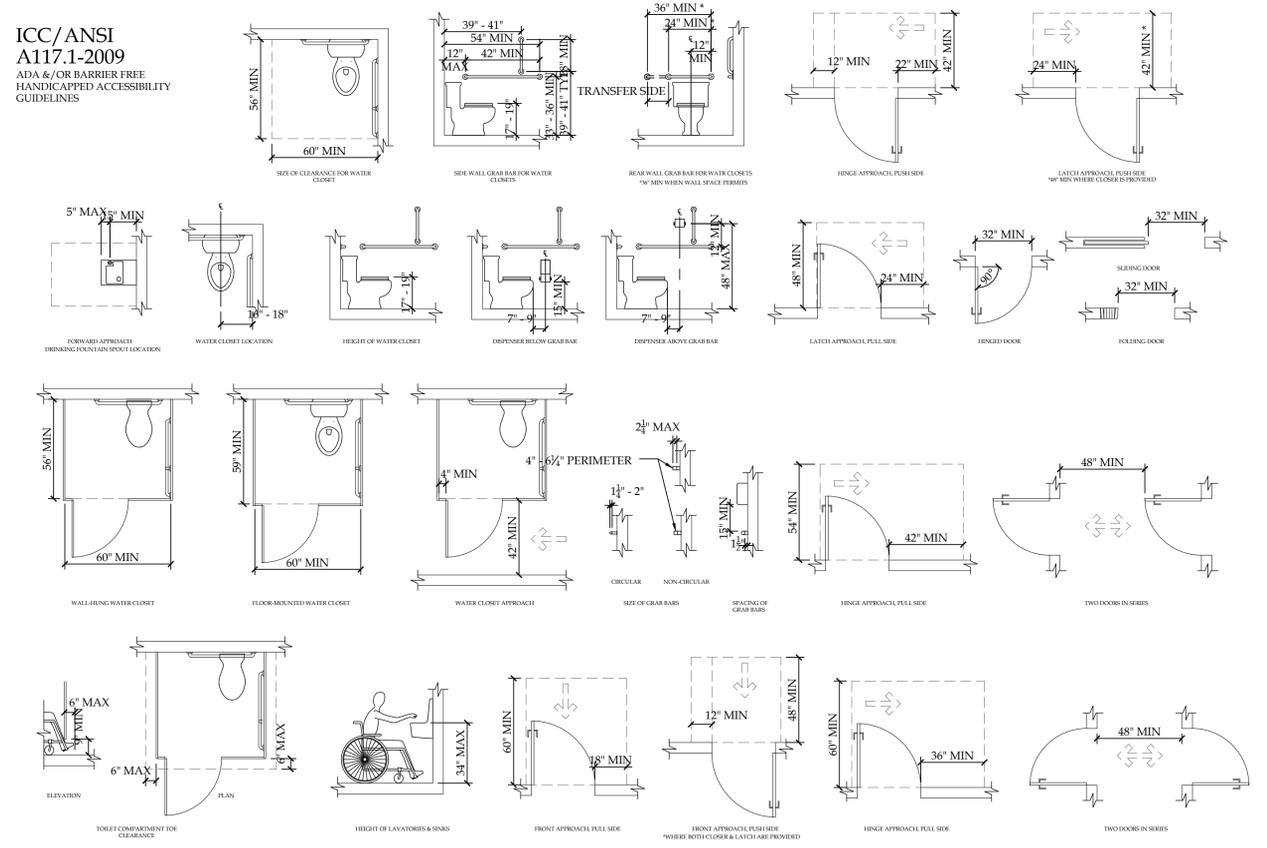
TITLE:
GENERAL NOTES & ACCESSIBILITY DIAGRAMS

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SA JOB #: **19071.01** DATE: **01-17-20**

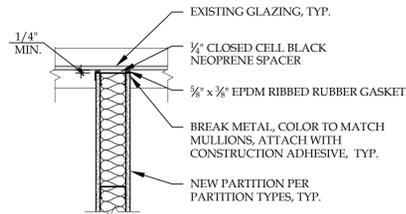
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ICC/ANSI
A117.1-2009
ADA &/OR BARRIER FREE
HANDICAPPED ACCESSIBILITY
GUIDELINES

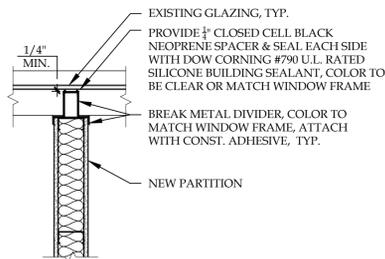


GENERAL WALL NOTES

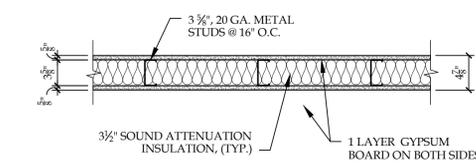
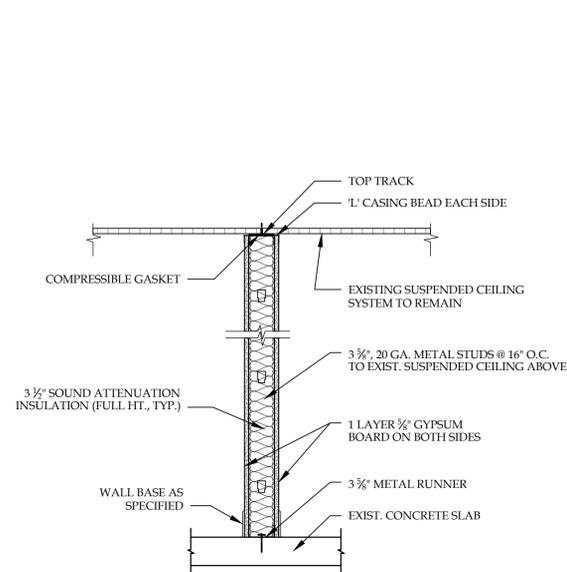
- SEE SPECIFICATIONS FOR APPLICATIONS OF GYPSUM PRODUCTS, UNLESS NOTED ON DRAWINGS. REFER TO SPECIFICATIONS FOR SPECIAL APPLICATIONS, THICKNESS, AND TYPES. (I.E. MOLD & MOISTURE RESISTANCE, TILE BACKER BOARDS, ETC.)
- REFER TO THE LATEST EDITION OF UNDERWRITERS LABORATORIES, INC. FIRE RESISTANCE DIRECTORY FOR ADDITIONAL REQUIREMENTS ON UL RATED ASSEMBLIES AS NOTED IN THE WALL SCHEDULE.
- USE ONLY PARTITIONS IDENTIFIED ON THE PLANS.
- STC = SOUND TRANSMISSION CLASS - REFER TO THE WALL SCHEDULE IN PLAN FOR WALLS THAT ARE SOUND RATED.
- ALL SEALANTS IN RATED WALL LOCATIONS REFERENCED IN THE WALL TYPE DETAILS SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE UNDERWRITERS LABORATORIES, INC. FIRE RESISTANCE DIRECTORY. IN ADDITION TO FIRE RESISTANCE, WALL LOCATIONS CALLED OUT WITH REQUIRED ACOUSTICAL VALUE, AS NOTED IN WALL SCHEDULE, SHALL HAVE SEALANTS THAT MAINTAIN THE MINIMUM SOUND VALUE OF THE WALL PARTITION.
- FIRE CAULK ALL PENETRATIONS IN RATED WALL ASSEMBLIES.
- ASSEMBLIES SHOULD BE AIRTIGHT. HAIRLINE CRACKS AND HOLES ARE NOT ALLOWED.
- RECESSED WALL FIXTURES SUCH AS CABINETS, OUTLETS, AND OTHER ITEMS WHICH PENETRATE THE GYPSUM BOARD SURFACE SHOULD NOT BE LOCATED BACK TO BACK IN THE SAME STUD CAVITY.
- ANY OPENINGS CUT FOR ANY FIXTURES SHALL BE CAREFULLY CUT TO SIZE, PROPERLY FASTENED, INSULATED PER WALL ASSEMBLY AND PROPERLY CAULKED.
- THE ENTIRE PERIMETER OF A SOUND INSULATING ASSEMBLY MUST BE MADE AIRTIGHT TO PREVENT SOUND FROM "FLANKING".
- AN ACOUSTICAL SEALANT SHOULD BE USED TO SEAL BETWEEN THE SOUND INSULATING ASSEMBLY AND ALL DISSIMILAR ASSEMBLIES AND BETWEEN THE ASSEMBLY AND SIMILAR SURFACES WHERE PERIMETER RELIEF IS REQUIRED. TAPING AND CAULKING OF GYPSUM BOARD WALL AND WALL-CEILING INTERSECTIONS PROVIDES AN ADEQUATE AIR SEAL AT THESE LOCATIONS.
- ASTM RECOMMENDED PRACTICES E-497 SHOULD BE FOLLOWED FOR GOOD SOUND CONTROL. ALSO CONSULT THE MANUFACTURER OF THE GYPSUM BOARD FOR ANY SPECIAL RECOMMENDATIONS RELATING TO THEIR SYSTEM.



ALTERNATE

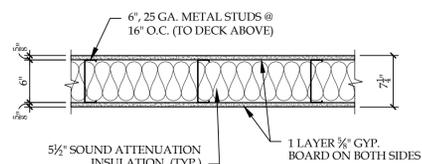
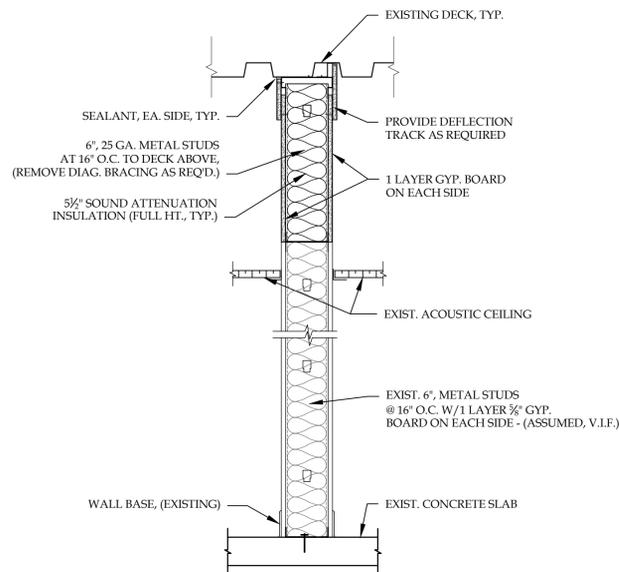


D2 TRANSITION @ NEW WALL & EXIST. WINDOW
 SCALE: 1" = 1'-0"



1 STANDARD ACOUSTICAL PARTITION TO U/S OF EXIST. SUSP. CEILING SYSTEM

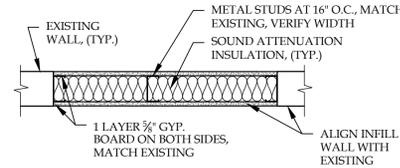
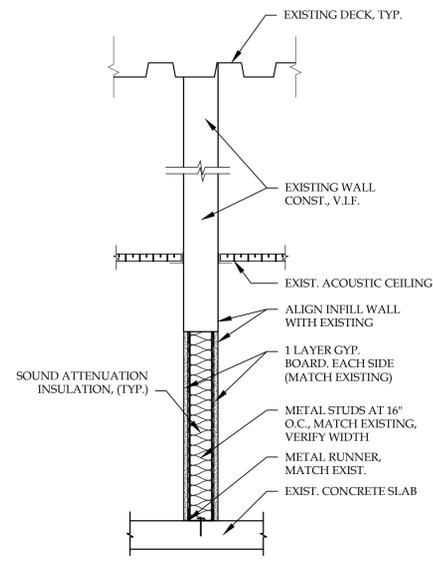
USE MOISTURE & MOLD RESISTANT GYP. BD. AT ALL WET LOCATIONS



2 DEMISING PARTITION RETROFIT - EXTENSION TO ROOF DECK

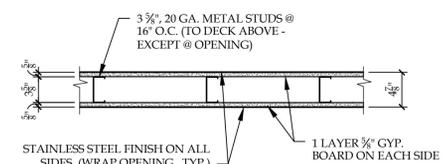
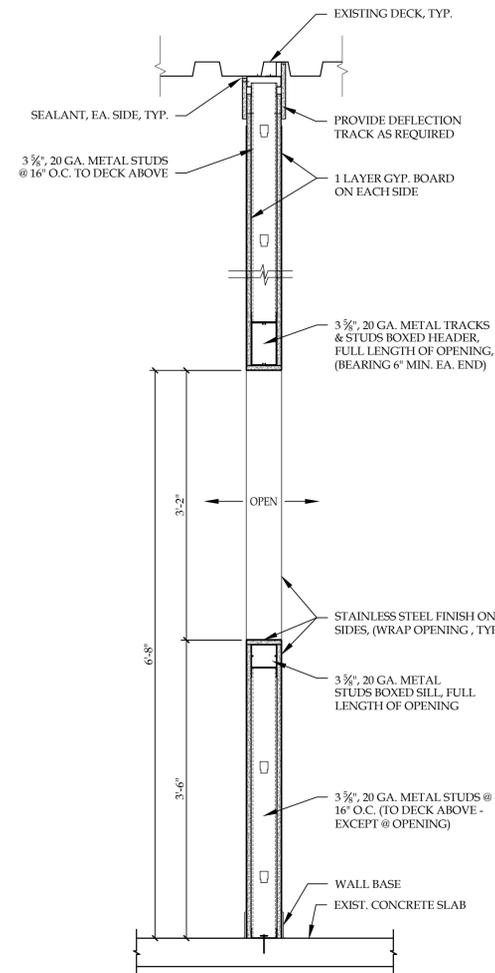
2A FULL HT. DEMISING PARTITION INFILL WALL ABOVE & BELOW EXIST.

USE MOISTURE & MOLD RESISTANT GYP. BD. AT ALL WET LOCATIONS



3 INFILL PARTITION RETROFIT - EXIST. DOOR REMOVAL OR OPENING INFILL

MATCH EXISTING, ADJACENT WALL THICKNESS, VERIFY IN FIELD
 USE MOISTURE & MOLD RESISTANT GYP. BD. AT ALL WET LOCATIONS



4 COOKLINE PARTITION HALF WALL LOW

A1 INTERIOR PARTITION TYPES
 SCALE: 1" = 1'-0"

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ISSUE:
 SA PROJECT TEAM: PRINCIPAL P.Silvestri
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 JOB CAPT. _____ INTERIORS N.Catuzza

SEAL:
 TITLE:

PARTITION TYPES & DETAILS

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SA JOB #: **19071.01** DATE: **01-17-20**

DRAWING #: **A-004**

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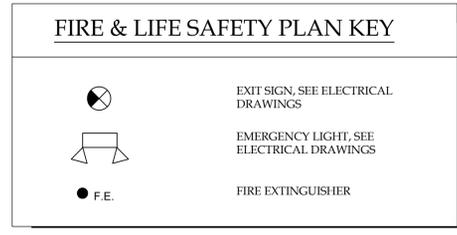
SEAL:

TITLE:
CODE COMPLIANCE FLOOR PLAN



SA JOB #: **19071.01** DATE: **01-17-20**

DRAWING #: **A-005**



95 NUTRITION:

TOTAL BUILDING AREA = 27,709 S.F.
 BUILDING OCCUPANCIES: F-1 (COMMERCIAL KITCHEN), B, M
 CONSTRUCTION TYPE: IIB, NON-SPRINKLERED
 TABULAR FIRE AREAS: ACTUAL FIRE AREAS - ENTIRE BUILDING:
 F-1: 15,500 S.F. 11,109 S.F.
 B: 29,000 S.F. 16,012 S.F.
 M: 12,500 S.F. 588 S.F.

ALLOWABLE FIRE AREAS INCREASE BASED ON DISTANCE SEPARATION.
 FOR THOSE PORTIONS OF THE BUILDING THAT ARE 30' OR GREATER DISTANCE SEPARATION:
 TOTAL BUILDING PERIMETER = 819'
 PERIMETER WITH DISTANCE SEPARATION GREATER THAN 30' = 599'
 $If = [\frac{1}{2} - 0.25] W_{50}$
 $If = [99\%_{819} - 0.25] \times 30'_{50} = 0.48$

ALLOWABLE FIRE AREAS:
 F-1 = 15,500 + (15,500 x 0.48) x 1 = 22,961 S.F.
 B = 23,000 + (23,000 x 0.48) x 1 = 34,071 S.F.
 M = 12,500 + (12,500 x 0.48) x 1 = 18,517 S.F.

PER SECTION 508.3, NON SEPARATED OCCUPANCIES, SINCE BOTH THE M & F-1 OCCUPANCIES ARE LESS THAN THE TOTAL BUILDING AREA, OCCUPANCIES MUST BE SEPARATED.

PER SECTION 508.4 - SEPARATED OCCUPANCIES
 ALLOWABLE BUILDING AREA = $\frac{11109(22961) + 16012(34071) + 588(18517)}{22961 + 34071 + 18517} = 0.99 < 1.0$
 THEREFORE, OCCUPANCIES SHALL BE SEPARATED PER TABLE 508.4.

PER TABLE 508.4:
 OCCUPANCIES B, F-1 & M ARE IN THE SAME CATEGORY.
 THEREFORE, NO SEPARATION IS REQUIRED.

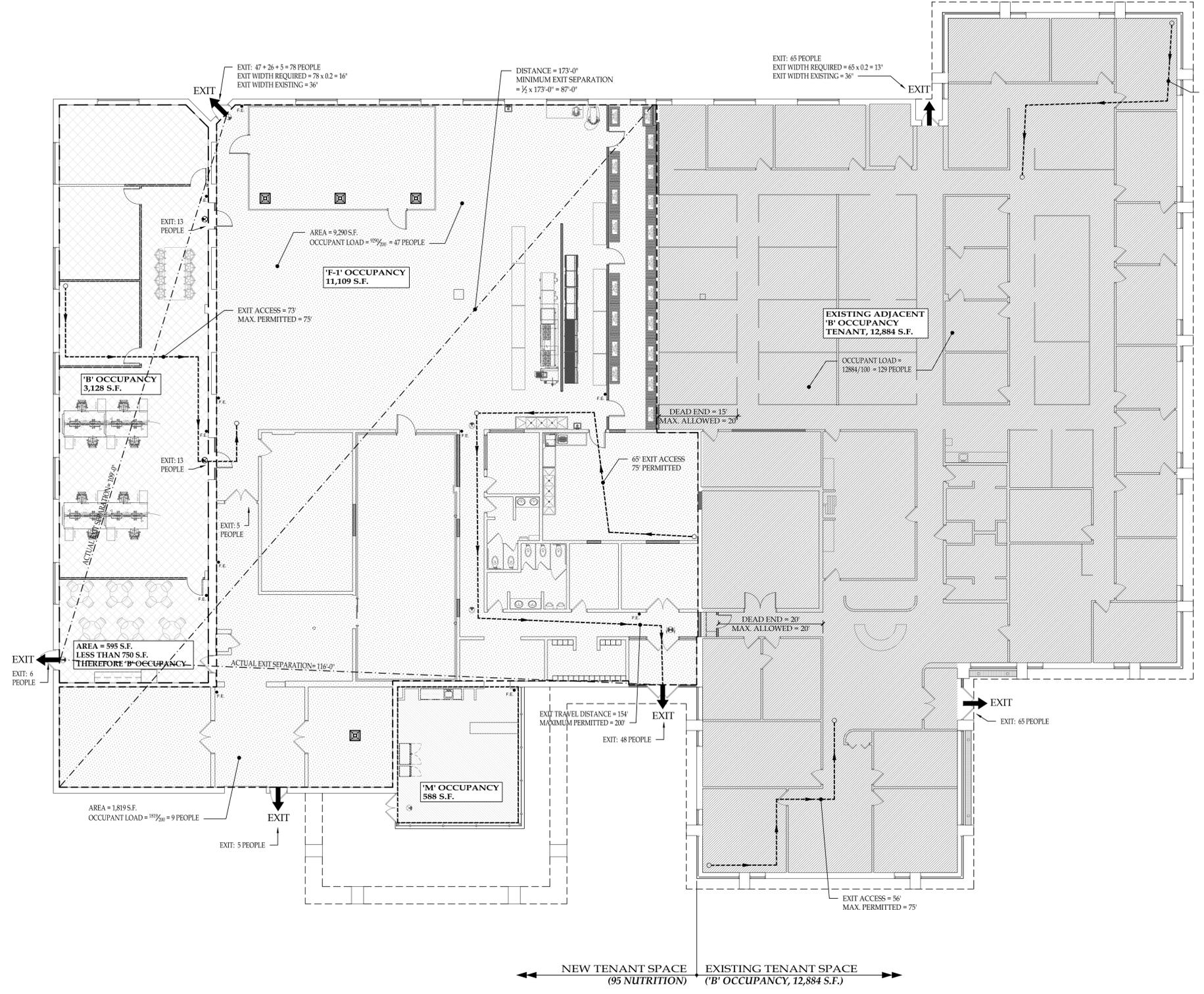
95 NUTRITION TENANT AREA = 14,825 S.F.

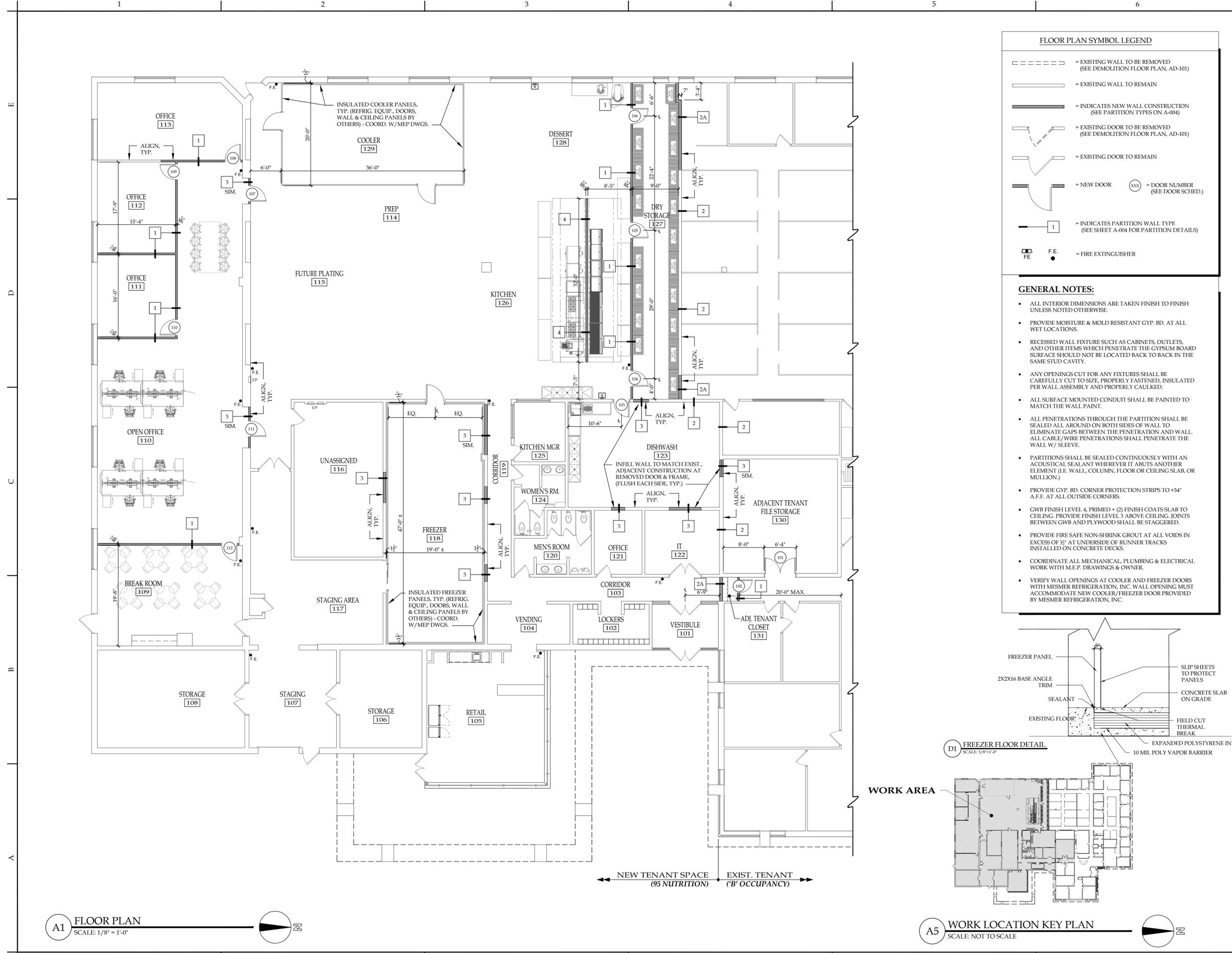
OCCUPANCIES:	MAX. FLOOR AREA PER PERSON:	OCCUPANT LOAD:
F-1: 11,109 S.F.	200 S.F.	56
B: 3,125 S.F.	100 S.F.	32
M: 588 S.F.	60 S.F.	10
		98 PEOPLE

EXIT WIDTH REQUIRED = $98 \times 0.2 = 20'$
 EXIT WIDTH PROVIDED = 216'

SANITARY FIXTURES:

OCCUPANCY	M TOILETS:		M LAVS:		F TOILETS:		F LAVS:		D.F.
	M	F	M	F	F	F	F		
F-1	28	28	0.3	0.3	0.3	0.3	0.3	0.2	
B	16	16	0.6	0.4	0.6	0.4	0.3	0.3	
M	5	5	0.1	0.1	0.1	0.1	0.1	0.1	
TOTAL	49	49	1.0	0.8	1.0	0.8	0.6	0.6	
ROUNDED UP			1	1	1	1	2	2	
PROVIDED:	3		2		2	2	2	?	
			(+ 2 URINALS)						

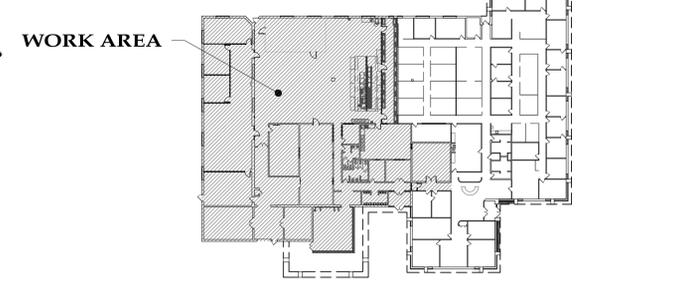
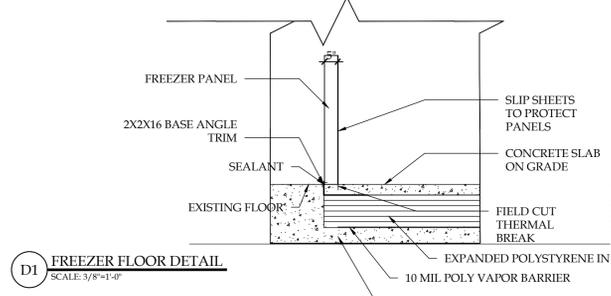




FLOOR PLAN SYMBOL LEGEND

- = EXISTING WALL TO BE REMOVED (SEE DEMOLITION FLOOR PLAN, AD-101)
- = EXISTING WALL TO REMAIN
- = INDICATES NEW WALL CONSTRUCTION (SEE PARTITION TYPES ON A-004)
- = EXISTING DOOR TO BE REMOVED (SEE DEMOLITION FLOOR PLAN, AD-101)
- = EXISTING DOOR TO REMAIN
- = NEW DOOR (XXX = DOOR NUMBER (SEE DOOR SCHED.))
- = INDICATES PARTITION WALL TYPE (SEE SHEET A-004 FOR PARTITION DETAILS)
- = FIRE EXTINGUISHER

- GENERAL NOTES:**
- ALL INTERIOR DIMENSIONS ARE TAKEN FINISH TO FINISH UNLESS NOTED OTHERWISE.
 - PROVIDE MOISTURE & MOLD RESISTANT GYP. BD. AT ALL WET LOCATIONS.
 - RECESSED WALL FIXTURE SUCH AS CABINETS, OUTLETS, AND OTHER ITEMS WHICH PENETRATE THE GYPSUM BOARD SURFACE SHOULD NOT BE LOCATED BACK TO BACK IN THE SAME STUD CAVITY.
 - ANY OPENINGS CUT FOR ANY FIXTURES SHALL BE CAREFULLY CUT TO SIZE, PROPERLY FASTENED, INSULATED PER WALL ASSEMBLY AND PROPERLY CAULKED.
 - ALL SURFACE MOUNTED CONDUIT SHALL BE PAINTED TO MATCH THE WALL PAINT.
 - ALL PENETRATIONS THROUGH THE PARTITION SHALL BE SEALED ALL AROUND ON BOTH SIDES OF WALL TO ELIMINATE GAPS BETWEEN THE PENETRATION AND WALL. ALL CABLE/WIRE PENETRATIONS SHALL PENETRATE THE WALL W/ SLEEVE.
 - PARTITIONS SHALL BE SEALED CONTINUOUSLY WITH AN ACOUSTICAL SEALANT WHEREVER IT ABUTS ANOTHER ELEMENT (I.E. WALL, COLUMN, FLOOR OR CEILING SLAB, OR MULLION.)
 - PROVIDE GYP. BD. CORNER PROTECTION STRIPS TO +54" A.F.F. AT ALL OUTSIDE CORNERS.
 - GWB FINISH LEVEL 4, PRIMED + (2) FINISH COATS SLAB TO CEILING. PROVIDE FINISH LEVEL 3 ABOVE CEILING. JOINTS BETWEEN GWB AND PLYWOOD SHALL BE STAGGERED.
 - PROVIDE FIRE SAFE NON SHRINK GROUT AT ALL VOIDS IN EXCESS OF 1/2" AT UNDERSIDE OF RUNNER TRACKS INSTALLED ON CONCRETE DECKS.
 - COORDINATE ALL MECHANICAL, PLUMBING & ELECTRICAL WORK WITH M.E.P. DRAWINGS & OWNER.
 - VERIFY WALL OPENINGS AT COOLER AND FREEZER DOORS WITH MESMER REFRIGERATION, INC. WALL OPENING MUST ACCOMMODATE NEW COOLER/FREEZER DOOR PROVIDED BY MESMER REFRIGERATION, INC.



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 415 Commerce Dr.
 Amherst, NY 14221

ISSUE:
 SA PROJECT TEAM: PRINCIPAL P. Silvestri
 PROJ. ARCH. _____ DRAFTER _____
 JOB CAPT. _____ INTERIORS N. Catuzza

SEAL:
 TITLE:

FLOOR PLAN



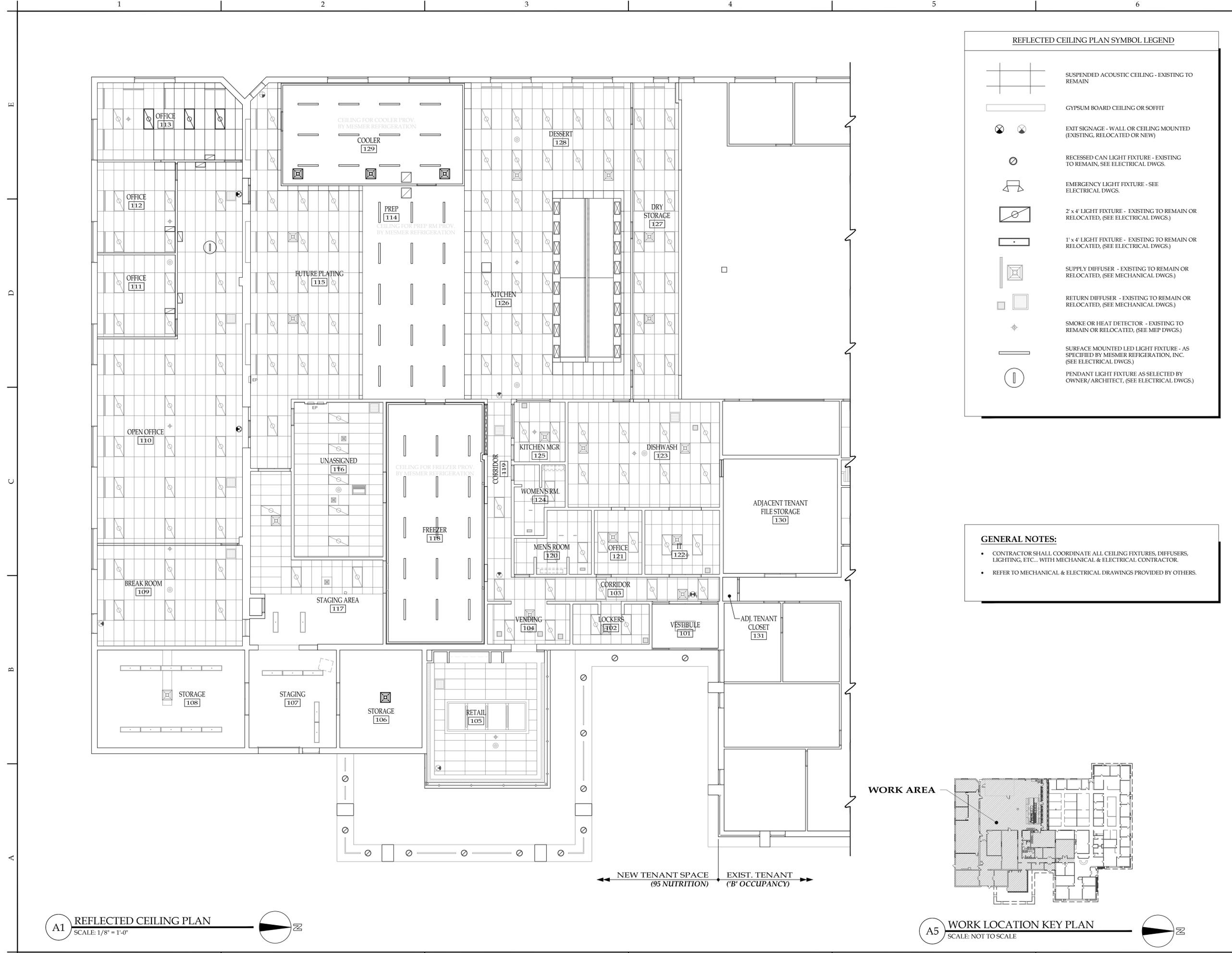
1321 MILLERSPORT HWY PH. 716.691.0900
 AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 19071.01 DATE: 01-17-20

DRAWING #: A-101

A1 FLOOR PLAN
 SCALE: 1/8" = 1'-0"

A5 WORK LOCATION KEY PLAN
 SCALE: NOT TO SCALE



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 PROJ. ARCH. _____ DRAFTER _____
 JOB CAPT. _____ INTERIORS N.Catuzza

SEAL:

TITLE:
**REFLECTED
 CEILING PLAN**

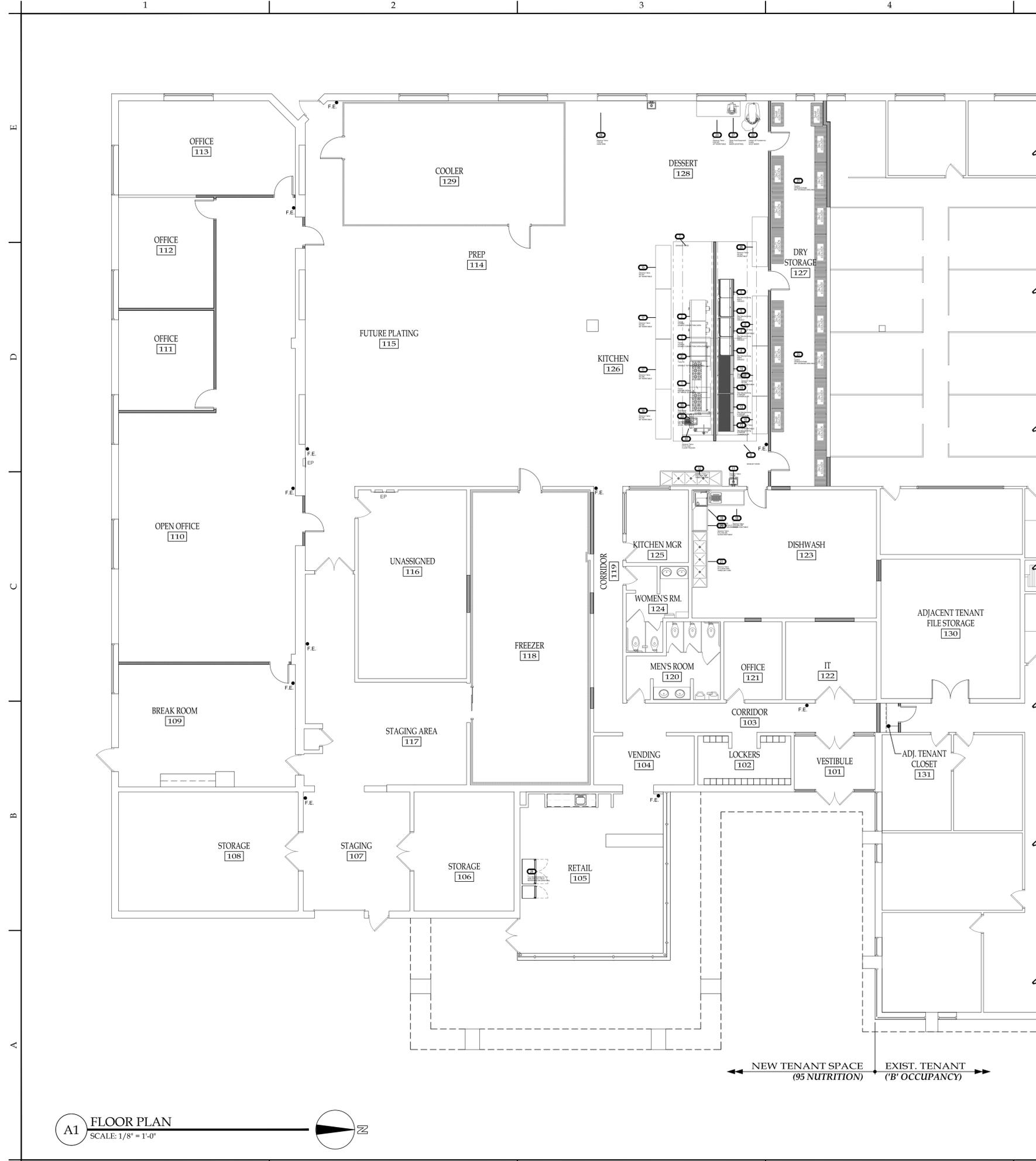


SA JOB #: 19071.01 DATE: 01-17-20

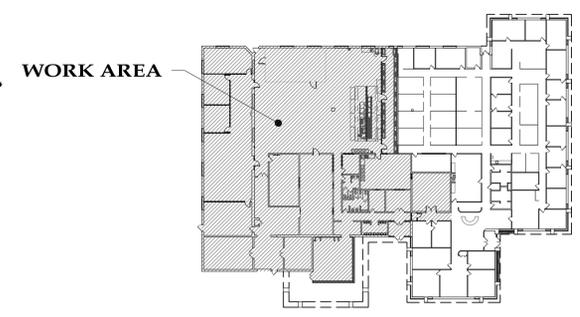
DRAWING #: **A-102**

A1 REFLECTED CEILING PLAN
 SCALE: 1/8" = 1'-0"

A5 WORK LOCATION KEY PLAN
 SCALE: NOT TO SCALE



EQUIPMENT SCHEDULE	
Item No	Equipment Category
1	60" RANGE (EXISTING)
2	DOUBLE CONVECTION OVEN
3	DOUBLE CONVECTION OVEN (EXISTING)
4	36" GRIDDLE (2)
5	36" GRIDDLE (2)
6	96" WORKTABLE
7	EXHAUST HOOD
8	EXHAUST HOOD
9	96" WORKTABLE
10	72" WORKTABLE
11	HAND SINK
12	THREE BAY SINK
13	36" CHARBROILER (2)
14	36" CHARBROILER (2)
15	84" WORKTABLE
16	96" WORKTABLE
17	96" WORKTABLE
18	SOILED DISHTABLE
19	LOW TEMP DISHMACHINE
20	CLEAN DISHTABLE
21	THREE BAY SINK
22	60 QT MIXER
23	84" WORKTABLE
24	HAND SINK
25	DRY STORAGE SHELVING
26	WORKTABLE
27	MIXER (EXISTING)
28	6-BURNER RANGE (EXISTING)
29	30 GAL. TILT SKILLET
30	FLOOR TROUGH
31	GRIDDLE TOP RANGE (EXISTING)



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EQUIPMENT PLAN



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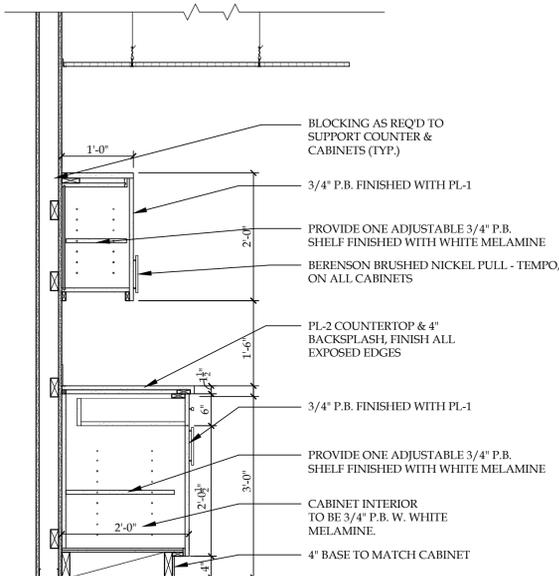
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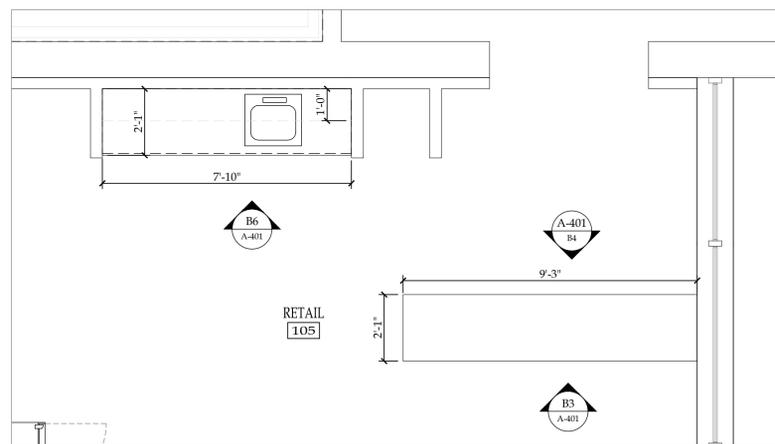
DRAWING #: **A-103**

A1 FLOOR PLAN
 SCALE: 1/8" = 1'-0"

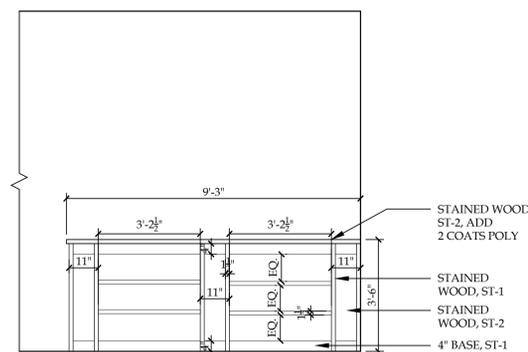
A5 WORK LOCATION KEY PLAN
 SCALE: NOT TO SCALE



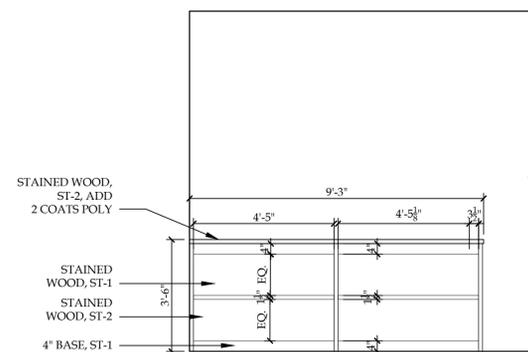
D1 SECTION - BREAK ROOM
SCALE: 3/4" = 1'-0"



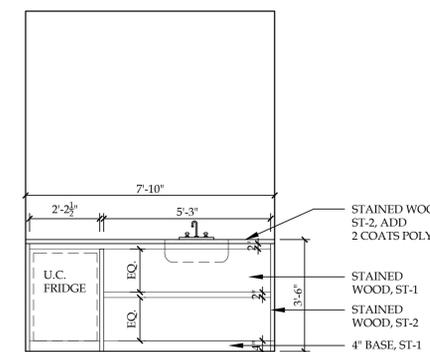
B1 ENLARGED PLAN - RETAIL #105
SCALE: 3/8" = 1'-0"



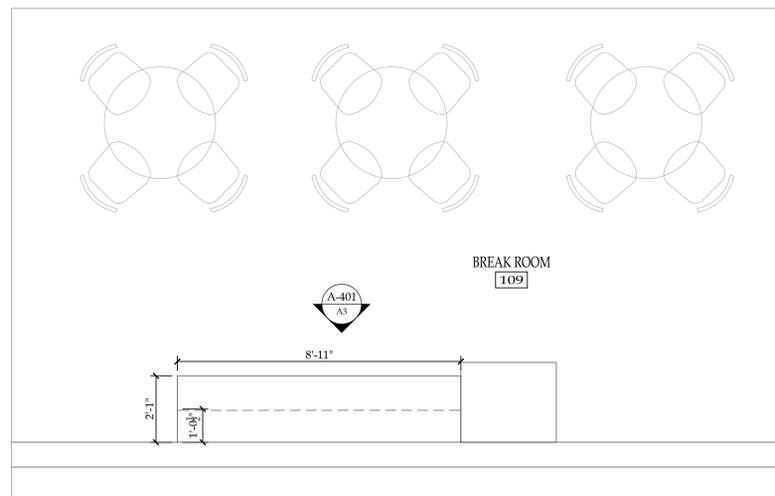
B3 ELEVATION - RETAIL #105
SCALE: 3/8" = 1'-0"



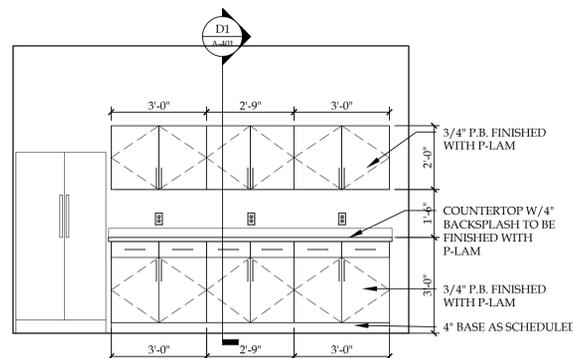
B4 ELEVATION - RETAIL #105
SCALE: 3/8" = 1'-0"



B6 ELEVATION - RETAIL #105
SCALE: 3/8" = 1'-0"



A1 ENLARGED PLAN - BREAK ROOM #109
SCALE: 3/8" = 1'-0"



A3 ELEVATION - BREAK ROOM #109
SCALE: 3/8" = 1'-0"

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JOB CAPT. _____ INTERIORS N.Catuzza

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TITLE:
ENLARGED PLANS & ELEVATIONS



SILVESTRI ARCHITECTS · PC

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SA JOB #: 19071.01 DATE: 01-17-20

DRAWING #: **A-401**

1
2
3
4
5
6

FINISH SELECTIONS

CARPET (CPT-X):
(CPT-1) (TYPICAL)
MANUFACTURER: INTERFACE
STYLE: STREET SMART SS218
COLOR: 10501 LANE/VERDE PRIMAVERA
INSTALLATION: HERRINGBONE

LUXURY VINYL TILE (LVT-X):
(LVT-1) (TYPICAL)
MANUFACTURER: PATCRAFT
STYLE: TIMBER GROVE II 20 MIL
COLOR: SPROUT 00173
NOTE: CONTACT DONNALEE GUGLIEMINO FOR PRICING 585-200-1945

(LVT-2) (BREAKROOM)
MANUFACTURER: PATCRAFT
STYLE: TIMBER GROVE II 20 MIL
COLOR: INKERRY 05016
INSTALLATION: CONTACT DESIGNER
NOTE: CONTACT DONNALEE GUGLIEMINO FOR PRICING 585-200-1945

PAINT (P-X):
(P-1) (TYPICAL)
MANUFACTURER: SHERWIN WILLIAMS
SIZE: COLONNADE GRAY SW7641
FINISH: EGGSHELL

(P-2) (OFFICE)
MANUFACTURER: SHERWIN WILLIAMS
COLOR: CHAMOMILE SW6399
FINISH: EGGSHELL

(P-3) (OFFICE AREAS)
MANUFACTURER: SHERWIN WILLIAMS
COLOR: CHINA DOLL SW 7517
FINISH: EGGSHELL

(P-4) (RETAIL)
MANUFACTURER: SHERWIN WILLIAMS
COLOR: JOCKLAR GREEN SW6736
FINISH: EGGSHELL

(P-5) (DOOR FRAMES)
MANUFACTURER: SHERWIN WILLIAMS
COLOR: IRON ORE SW7069
FINISH: SEMI-GLOSS

PLASTIC LAMINATE (PL-X):
(PL-1) (CABINETS)
MANUFACTURER: FORMICA
COLOR: FOX TEAKWOOD 8907-NG

(PL-2) (COUNTERTOP)
MANUFACTURER: WILSONART
FINISH: STEEL MESH 4879-38

DOORS (WD-X):
(WD-1)
MANUFACTURER: MASONITE ARCHITECTURAL
STYLE: CENDURA SERIES
SPECIES: BIRCH
STAIN: TBD

ACOUSTICAL CEILING TILE (ACT-X):
(ACT-1) (KITCHEN)
MANUFACTURER: USG
STYLE: KITCHEN LAY IN PANELS
STYLE #: 3210
SIZE: 2'x4'
EDGE: SQUARE
COLOR: WHITE
SUSPENSION SYS.: RE-USE EXISTING
NOTE: LAY NEW TILES IN EXISTING GRID

(ACT-2)
MANUFACTURER: USG
STYLE: MATCH EXISTING
STYLE #: MATCH EXISTING
SIZE: MATCH EXISTING
EDGE: MATCH EXISTING
COLOR: MATCH EXISTING
SUSPENSION SYS.: MATCH EXISTING

RUBBER BASE (RB-X):
(RB-1)
MANUFACTURER: JOHNSONITE
STYLE: 4" COVE BASE
COLOR: GATEWAY WG

TILE (T-X):
(T-1)
MANUFACTURER: OLYMPIA TILE
DISTRIBUTOR: DOBKIN TILE
SIZE: QUARIT ALIA
COLOR: RED QUARRY

ROLLERSHADES (RS-X):
(RS-1)
MANUFACTURER: HUNTER DOUGLAS
STYLE: E SCREEN 7510
COLOR: CHARCOAL/CHARCOAL
OPENNESS: 5%
LOCATION: WINDOWS IN FRONT AREA & OFFICE SPACES
VERIFY W/OWNER/DESIGNER

FIBERGLASS REINFORCED PANEL (FRP-X):
(FR-1)
MANUFACTURER: CRANE COMPOSITES
STYLE: GLASBORD WITH SURFASEAL
COLOR: EMBOSSED WHITE
STYLE: CLASS A FIRE RATED
LOCATION(S): FULL HEIGHT IN DISH AREA
6' A.F.F. IN ALL KITCHEN AREAS

TRANSITION (TS-X):
(TS-1) (GENERAL)
MANUFACTURER: SCHLUTER SYSTEMS
STYLE & SIZE: RENO-TK SIZE TO BE V.L.F. IN ACCORDANCE WITH MATERIAL(S) THICKNESS
STYLE: CLEAR SATIN ANODIZED ALUMINUM
LOCATION(S): FLOORING MATERIAL CHANGES AS NECESSARY
NOTE(S): PLEASE SEE GENERAL NOTES RE: TRANSITIONS

STAIN (ST-X):
(ST-1)
NOTE: TO MATCH SAMPLE PROV BY ARCH

(ST-2)
NOTE: TO MATCH SAMPLE PROV. BY ARCH

GENERAL NOTES

- ANY AND ALL FINISH SELECTIONS/ COLORS MUST BE SUBMITTED TO ARCHITECT FOR APPROVAL ACCOUNTING FOR PROPER LEAD TIME. ANY FINISH THAT IS INSTALLED WITHOUT ARCHITECTS APPROVAL MAY BE REQUIRED TO BE REMOVED AND REPLACED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER ALL MATERIALS AT THE APPROPRIATE TIME. ANY FEES INCURRED AS A RESULT OF FINISHES NOT BEING ORDERED ON TIME WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY DISCREPANCIES BETWEEN ARCHITECTURAL ELEVATION(S), PLAN(S), SCHEDULE(S) AND NOTES MUST BE BROUGHT TO ARCHITECTS ATTENTION. ARCHITECT MUST BE CONTACTED AND GIVE APPROVAL TO MOVE FORWARD WITH SPECIFIC DIRECTION PRIOR TO ANTICIPATED ACTION.
- ALL INTERIOR PRODUCTS TO MEET/EXCEED FLAME SPREAD RATING PER CODE
- ALL FLOOR FINISHES TO EXTEND BENEATH ALL MILLWORK.
- ALL ELECTRICAL PANEL COVERS AND/OR MECHANICAL EQUIPMENT AND/OR DUCTING TO BE PAINTED TO MATCH ADJOINING WALL.
- ANY CEILING HVAC SUPPLY/DIFFUSERS ETC. TO BE PAINTED TO MATCH SURROUNDING CEILING FINISH. ANY QUESTIONS OR CONCERN TO BE BROUGHT TO ARCHITECTS ATTENTION FOR FINAL DECISION PRIOR TO ORDER/INSTALL BY CONTRACTOR OR OTHER.
- HORIZONTAL SURFACE OF ALL SOFFITS TO BE PAINTED TO MATCH ADJOINING WALLS UNLESS OTHERWISE SPECIFIED.
- CEILING:
 - ALL GYPSUM BOARD CEILING TO BE PAINTED IN A FLAT WHITE FINISH UNLESS SPECIFIED.
 - ALL EXISTING CEILING GRID AND TILE TO REMAIN TO BE PAINTED WHITE.
 - ALL EXPOSED MECHANICAL DUCT COVERS SHALL BE PAINTED TO MATCH THE SURROUNDING WALL/ CEILING COLOR. PRIME AS NECESSARY.
- WALLS:
 - PROVIDE (1) COAT WALL PRIMER FOLLOWED BY (2) COATS WALL PAINT ON ALL INTERIOR WALL SURFACE UNLESS OTHERWISE NOTED IN SPECIFICATIONS. SEE SPEC FOR DETAILS.
 - WHERE DARK PAINT COLORS ARE APPLIED, USE DEEP GRAY BASE PRIMER TO PREVENT BURNISHING.
- FLOORS:
 - NO CHANGES OR SUBSTITUTIONS WILL BE MADE TO THE FOLLOWING FINISHES UNLESS DIRECTED BY THE OWNER OR ARCHITECT
 - WHERE SC IS CALLED OUT, CLEAN AND SEAL EXISTING CONCRETE FLOORS.
 - CONTRACTOR TO PROVIDE (TS-1) AT ALL FLOORING MATERIAL CHANGES NEEDING THRESHOLDS. NECESSARY SIZES TO BE DETERMINED BY CONTRACTOR AND V.L.F. BASED ON MATERIAL THICKNESS. CARPET TO VINYL PLANK THAT EQUAL IN THICKNESS DO NOT NEED TRANSITION.
- MILLWORK:
 - PROVIDE CLEAR BEAD OF SILICONE OR CLEAR CALK TO SEAL BETWEEN MILLWORK PIECES(E. COUNTER TOP AND BACKSPLASH) AND MILLWORK AND WALL. (TYPICAL).
 - ALL COLOR SELECTION OF PLASTIC LAMINATE SUPPORTS TO MATCH ADJACENT WALL.
- WINDOWS:
 - ALL GLAZING FACING EXTERIOR WHERE SPECIFIED TO RECEIVE RS-1.
- DOORS:
 - ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED WITH P-5.
- OUTLETS:
 - ALL OUTLET SWITCHES AND COVERS TO BE WHITE.

ROOM FINISH LEGEND

FLOORS	MISCELLANEOUS
CPT = CARPET	PL = PLASTIC LAMINATE
LVT = LUXURY VINYL TILE	TS = TRANSITION STRIP
T = TILE	MISC = MISCELLANEOUS
SC = SEALED CONCRETE	RS = ROLLER SHADE
	ST = STAIN
BASE	MATERIALS
RB = RUBBER BASE	P.B. = PARTICLE BOARD
WALLS	GYP. = GYPSUM BOARD
P = PAINT	
FRP = FIBER REINFORCED PANEL	
CEILING	
ACT = ACOUSTIC CEILING TILE	
GYP = GYPSUM BOARD	
DOORS	
WD = WOOD DOOR	

REMARKS

1. ACT-1 TO BE INSTALLED IN EXISTING CEILING GRID THAT IS TO REMAIN IN ROOMS #126, #123, #115, #128, #127

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	BASE	FLOOR	WALLS	MILLWORK		REMARKS
					CABINET/SHROUD	COUNTERTOP/BACKSPLASH	
101	VESTIBULE	RB-1	LVT-1	P-1			
102	LOCKERS	RB-1	LVT-1	P-1			
103	CORRIDOR	RB-1	LVT-1	P-1			
104	VENDING	RB-1	LVT-1	P-1			
105	RETAIL	RB-1	LVT-1	P-4			
106	STORAGE	RB-1	EXIST	P-1			
107	GARAGE	RB-1	EXIST	P-1			
108	STORAGE	RB-1	EXIST	P-1			
109	BREAK ROOM	RB-1	LVT-2	P-3	PL-1	PL-2	
110	OPEN OFFICE	RB-1	CPT-1	P-3			
111	OFFICE	RB-1	CPT-1	P-3			
112	OFFICE	RB-1	CPT-1	P-3			
113	OFFICE	RB-1	CPT-1	P-2			
114	PREP	RB-1	T-1				
115	FUTURE PLATING	RB-1	T-1	P-1/FRP-1			1
116	UNASSIGNED						
117	STAGING AREA	RB-1	T-1	P-1			
118	FREEZER	RB-1	T-1				
119	CORRIDOR	RB-1	T-1	P-1			
120	MEN'S ROOM	EXIST	EXIST.	EXIST.			
121	OFFICE	RB-1	CPT-1	P-1			
122	IT	EXIST	EXIST.	EXIST.			
123	DISH	RB-1	T-1	FRP-1			1
124	WOMEN'S ROOM	EXIST.	EXIST.	EXIST.			
125	KITCHEN MGR	RB-1	LVT-1	P-1			
126	KITCHEN	RB-1	T-1	P-1/FRP-1			1
127	DRY STORAGE	RB-1	T-1	P-1/FRP-1			1
128	DESSERT	RB-1	T-1	P-1/FRP-1			1
129	COOLER	RB-1	T-1				

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ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS N.Catuzza

SEAL:

TITLE:

ROOM FINISH SCHEDULE



SILVESTRI
ARCHITECTS • PC

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SA JOB #: **19071.01** DATE: **01-17-20**

DRAWING #: **A-601**

DOOR AND FRAME SCHEDULE

DOOR NUM.	LOCATION	TYPE	DOORS		THK	FRAMES						FIRE RATING	HARDWARE SET NO.	REMARKS	
			WIDTH	HEIGHT		MAT'L	FINISH	MAT'L	FINISH	TYPE	DETAILS				
											HEAD				JAMB
101	ADJ. TENANT STORAGE	A	6'-0"	7'-0"	1-3/4"	HM	PT	HM	PT	B	H3	J3		4	COORDINATE HARDWARE REQUIREMENTS W/ ADJ. TENANT
102	ADJ. TENANT CLOSET	B	2'-6"	7'-0"	1-3/4"	SCWD	ST	HM	PT	A	H1	J1		2	PROVIDE 1" UNDERCUT
103	DISHWASH (123)	C	3'-0"	7'-0"	1"	ALUM	PRE	ALUM	PRE					-	DOUBLE ACTING SWINGING DOOR BY CURTRON OR EQUAL - HARDWARE BY DR. MANUF. - INCLUDING GASKETS & BUMPERS
104	DRY STORAGE, (127)	C	3'-0"	7'-0"	1"	ALUM	PRE	ALUM	PRE					-	DOUBLE ACTING SWINGING DOOR BY CURTRON OR EQUAL - HARDWARE BY DR. MANUF. - INCLUDING GASKETS & BUMPERS
105	DRY STORAGE, (127)	C	3'-0"	7'-0"	1"	ALUM	PRE	ALUM	PRE					-	DOUBLE ACTING SWINGING DOOR BY CURTRON OR EQUAL - HARDWARE BY DR. MANUF. - INCLUDING GASKETS & BUMPERS
106	DRY STORAGE, (127)	C	3'-0"	7'-0"	1"	ALUM	PRE	ALUM	PRE					-	DOUBLE ACTING SWINGING DOOR BY CURTRON OR EQUAL - HARDWARE BY DR. MANUF. - INCLUDING GASKETS & BUMPERS
107	OPEN OFFICE, (110)	B	3'-0"	7'-0"	1-3/8"	SCWD	ST	HM	PT	A	H1	J1		1	PROVIDE 1" UNDERCUT
108	OFFICE, (113)	B	3'-0"	7'-0"	1-3/8"	SCWD	ST	HM	PT	A	H1	J1		1	PROVIDE 1" UNDERCUT
109	OFFICE, (112)	B	3'-0"	7'-0"	1-3/8"	SCWD	ST	HM	PT	A	H1	J1		1	PROVIDE 1" UNDERCUT
110	OFFICE, (111)	B	3'-0"	7'-0"	1-3/8"	SCWD	ST	HM	PT	A	H1	J1		1	PROVIDE 1" UNDERCUT
111	OPEN OFFICE, (110)	B	3'-0"	7'-0"	1-3/8"	SCWD	ST	HM	PT	A	H1	J1		1	PROVIDE 1" UNDERCUT
112	BREAK ROOM, (109)	B	3'-0"	7'-0"	1-3/8"	SCWD	ST	HM	PT	A	H1	J1		3	PROVIDE 1" UNDERCUT

- DOOR SCHEDULE NOTES:**
- PROVIDE SOLID BLOCKING AT ALL DOORS FOR WALL BUMPERS.
 - COORDINATE KEYING SYSTEM WITH OWNER.
 - ANY HARDWARE ITEM NOT SPECIFICALLY CALLED OUT, BUT REQUIRED TO MAKE ANY ASSEMBLY OPERATIONAL, SHALL BE INCLUDED BY THE HARDWARE SUPPLIER AND CONSTRUCTION MANAGER.
 - ALL HOLLOW METAL DOORS AND FRAMES SHALL BE SUPPLIED SHOP PRIMED AND FIELD PAINTED PER FINISH SCHEDULE.
 - PROVIDE SILENCERS AND BUMPERS ON ALL OPENINGS.
 - CONTRACTOR SHALL COORDINATE ANY SPECIALTY DOORS, FRAMES AND/OR HARDWARE REQUIREMENTS WITH OWNER IN FIELD PRIOR TO CONSTRUCTION.

- HARDWARE SCHEDULE:**
- HARDWARE SET #1**
- 3 HINGES
 - 1 LOCKSET OFFICE (FUNCTION)
 - 1 WALL STOP
- HARDWARE SET #2**
- 3 HINGES
 - 1 STOREROOM LOCKSET
 - 1 WALL STOP
- HARDWARE SET #3**
- 3 HINGES
 - 1 PUSH PLATE
 - 1 PULL
 - 1 CLOSER
 - 1 WALL STOP
- HARDWARE SET #4**
- 6 HINGES
 - 1 STOREROOM LOCKSET
 - 1 FLUSH BOLT
 - 1 DUMMY SET
 - (2) KICK PLATES (PUSH SIDE)
 - 2 WALL STOPS

GLAZING SCHEDULE:

T = 1/2" TEMPERED GLAZING
 I = 1" INSULATING GLAZING
 IT = 1" INSULATING TEMP. GLAZING

MATERIALS:

PRE = PRE-FINISHED
 HM = HOLLOW METAL
 ALUM = ALUMINUM
 SCWD = SOLID CORE WOOD
 STL = STEEL
 PT = PAINT
 ST = STAIN & CLEAR FIN.

NOTE:

- CONTRACTOR TO VERIFY ALL DIMENSIONS AND FINISHES IN FIELD PRIOR TO ORDERING ANY MATERIALS

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 Amherst, NY 14221

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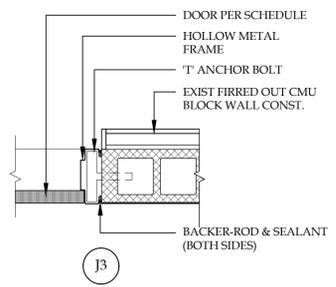
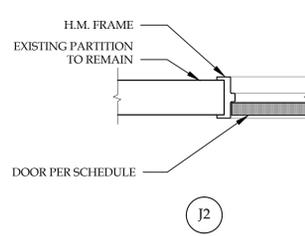
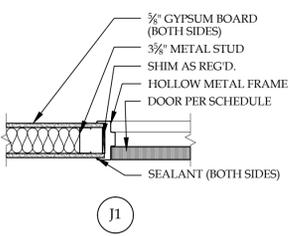
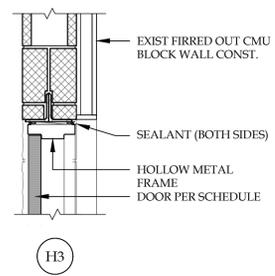
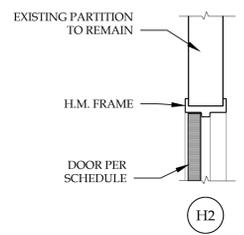
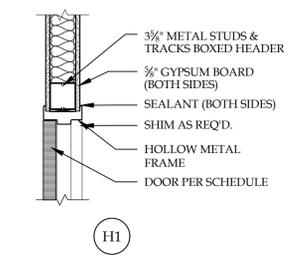
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DOOR SCHEDULE, DETAILS & NOTES

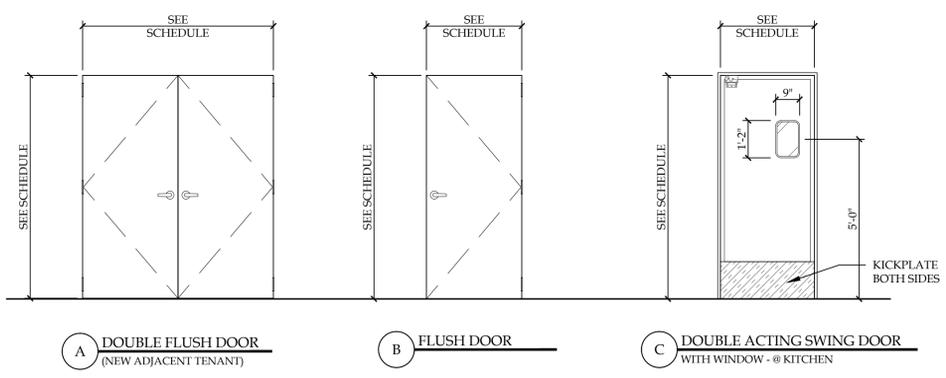


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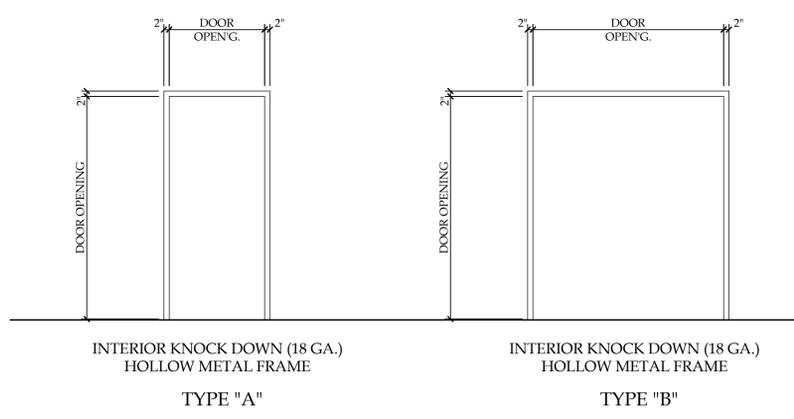
DRAWING #: **A-603**



B1 HEAD & JAMB DETAILS
 SCALE: 1" = 1'-0"



A1 DOOR TYPES
 SCALE: 3/8" = 1'-0"



A4 FRAME TYPES
 SCALE: 3/8" = 1'-0"

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT / MOTOR DATA				SOURCE PROTECTION DEVICE				BRANCH CIRCUIT CONDUIT & WIRE				REFERENCE NOTES
EQUIPMENT DESIGNATION	LOCATION	HP	MCA	PHASE	VOLTS	POLE	BREAKER	PANELBOARD SOURCE	CIRCUIT NO.	QUANTITIES AND SIZE		
MUA-7	MAKEUP AIR UNIT - 7	ROOF	7.5	21.1	3	208	3	35	PP	43,45,47	3/8 & 1/10 IN 3/4"C	2
MUA-8	MAKEUP AIR UNIT - 8	ROOF	7.5	21.1	3	208	3	35	PP	49,51,53	3/8 & 1/10 IN 3/4"C	2
EF-7L	EXHAUST FAN - 7L	ROOF	5.0	15.8	3	208	3	20	PP	44,46,48	3/2 & 1/12 IN 1/2C	1,2
EF-7R	EXHAUST FAN - 7R	ROOF	5.0	15.8	3	208	3	20	PP	50,52,54	3/2 & 1/12 IN 1/2C	1,2
EF-8L	EXHAUST FAN - 8L	ROOF	5.0	15.8	3	208	3	20	PP	56,58,60	3/2 & 1/12 IN 1/2C	1,2
EF-8R	EXHAUST FAN - 8R	ROOF	5.0	15.8	3	208	3	20	PP	62,64,66	3/2 & 1/12 IN 1/2C	1,2

WIRING SCHEDULE GENERAL NOTES

- EC SHALL BE RESPONSIBLE TO VERIFY ALL CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERES, ETC.) OF MECHANICAL EQUIPMENT PRIOR TO CONNECTION AGAINST APPROVED SHOP DRAWINGS.
- EC SHALL MAKE INSTALLATION OF ALL MECHANICAL EQUIPMENT COMPLETE AND OPERATIONAL. COORDINATE EXACT REQUIREMENTS AND LOCATION OF ALL EQUIPMENT WITH FINAL MECHANICAL PLANS (BY OTHERS).

WIRING SCHEDULE REFERENCE NOTES

- EXHAUST FAN FROM HOOD SWITCH.
- EC SHALL PROVIDE AND INSTALL HACR TYPE CIRCUIT BREAKER.

MOUNTING: EXISTING		PANEL "PP"										MAIN: MCB						
120 / 208 VOLTS		3 Ø		4 WIRE		A.I.C. RATING: 10,000						BUS: 600 AMP						
DESCRIPTION	WIRE & CONDUIT SIZE	EQ. NUM.	WATTS			LIGHTS	RECS/BR	MISC	CIRCUIT	BRKR	CIRCUIT	BRKR	MISC	LIGHTS	WATTS	WIRE & CONDUIT SIZE	EQ. NUM.	DESCRIPTION
Ø A	Ø B	Ø C	Ø A	Ø B	Ø C									Ø A	Ø B	Ø C		
RECEPTACLES			900			X		20/1	1	2	20/1	X		720				RECEPTACLES
RECEPTACLES			1440			X		20/1	3	4	20/1	X		360				RECEPTACLES
RECEPTACLES			1440	1440		X		20/1	5	6	20/1	X		700				REFRIGERATOR
RECEPTACLES			1440			X		20/1	7	8	20/1	X		360				RECEPTACLES
RECEPTACLES			1440			X		20/1	9	10	20/1	X		700				REFRIGERATOR
RECEPTACLES			1440			X		20/1	11	12	20/1	X		700				REFRIGERATOR
HOOD #7			200			X		20/1	13	14	20/1	X		200				WATER HEATER
HOOD #8			200	200		X		20/1	15	16	20/1	X		200	200			CIRC PUMP
EQUIP #2				1080		X		20/1	17	18	45	X		3995	4000			EQUIP #29
EQUIP #2			1080			X		20/1	19	20		X		3995				
EQUIP #3			1080			X		20/1	21	22	3	X		3995				
EQUIP #3			1080	1080		X		20/1	23	24	20/1	X		3995	3995			EQUIP #19
EXISTING LP3						X		225	25	26	20/1	X		1050				EQUIP #27
EXISTING LP3						X		27	27	28	20	X		1079				EQUIP #22
EXISTING LP4						X		31	31	32	3	X		1079				EQUIP #22
EXISTING LP4						X		33	33	34	20/1	X		360				RECEPTACLES
EXISTING LP4						X		35	35	36		X		360				SPACE
EXISTING FP2						X		225	37	38	600	X		47,911				PP-SUB
EXISTING FP2						X		39	39	40		X		47,911				PP-SUB
EXISTING FP2						X		41	41	42	3	X		47,911	47,911			PP-SUB

ITEM	LOAD	DIVERSITY	DEMAND
LIGHTING	0.00 KW	125 %	0.00 KW
KITCHEN / BAR	23.51 KW	65 %	15.28 KW
RECEPT/SPARES	12.00 KW	100 % @ 100%	11.00 KW
MISCELLANEOUS	144.53 KW	100 %	144.53 KW
TOTAL	180.05 KW		170.82 KW

MOUNTING: SURFACE		PANEL "PP"										MAIN: 600 AMP						
120 / 208 VOLTS		3 Ø		4 WIRE		A.I.C. RATING: 10,000						BUS: 600 AMP						
DESCRIPTION	WIRE & CONDUIT SIZE	EQ. NUM.	WATTS			LIGHTS	RECS/BR	MISC	CIRCUIT	BRKR	CIRCUIT	BRKR	MISC	LIGHTS	WATTS	WIRE & CONDUIT SIZE	EQ. NUM.	DESCRIPTION
Ø A	Ø B	Ø C	Ø A	Ø B	Ø C									Ø A	Ø B	Ø C		
MUA-7.3			2531			X		35	43	44	20	X		1896				EF-7.1
MUA-7.3			2531	2531		X		45	45	46		X		1896				EF-7.1
MUA-7.3			2531			X		47	47	48	3	X		1896	1896			EF-7.1
MUA-8.3			2531	2531		X		35	49	50	20	X		1896	1896			EF-7.2
MUA-8.3			2531			X		51	51	52		X		1896	1896			EF-7.2
EXISTING RTU #1			17,872			X		3	53	54	3	X		1896	1896			EF-8.1
EXISTING RTU #1			17,872	17,872		X		55	55	56	20	X		1896				EF-8.1
EXISTING RTU #5			5997			X		3	59	60	3	X		1896	1896			EF-8.2
EXISTING RTU #5			5997	5997		X		61	61	62	20	X		1896	1896			EF-8.2
EXISTING RTU #7			3719			X		45	67	68		X		1896				COOLER COND
EXISTING RTU #7			3719	3719		X		69	69	70		X		1896				COOLER COND
EXISTING RTU #7			3719			X		3	71	72		X		1896				COOLER EVAP
EXISTING RTU #7			3719	3719		X		73	73	74		X		1896				COOLER EVAP
EXISTING RTU #8			7677			X		80	75	76		X		1896				FREEZER COND
EXISTING RTU #8			7677	7677		X		77	77	78		X		1896				FREEZER COND
SPACE						X		79	79	80		X		1896				FREEZER EVAP
SPACE						X		81	81	82		X		1896				FREEZER EVAP
SPACE						X		83	83	84		X		1896				SPACE

ITEM	LOAD	DIVERSITY	DEMAND
LIGHTING	0.00 KW	125 %	0.00 KW
KITCHEN / BAR	0.00 KW	65 %	0.00 KW
RECEPT/SPARES	0.00 KW	100 % @ 100%	0.00 KW
MISCELLANEOUS	143.73 KW	100 %	143.73 KW
TOTAL	143.73 KW		143.73 KW

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
	PHOTOELECTRIC SMOKE SENSOR
	IONIZATION TYPE SMOKE SENSOR
	COMBINATION OF RATE-OF-RISE & FIXED TEMPERATURE HEAT DETECTOR, UNLESS OTHERWISE NOTED FIXED-135°F & ROR-15°F/MIN
	FIXED TEMPERATURE ELEMENT HEAT DETECTOR. TAG HEAT ELEMENT INDICATES RATING
	DUCT DETECTOR. PROVIDE HOUSING COMPLETE WITH SAMPLING TUBES & IN A WEATHER PROOF ENCLOSURE IF INSTALLED OUTDOORS. S= SUPPLY DUCT, R=RETURN DUCT
	CARBON MONOXIDE DETECTOR
	MANUAL PULL STATION, UNLESS OTHERWISE NOTED, PROVIDE DUAL ACTION.
	FIRE ALARM NOTIFICATION AUDIO/VISUAL DEVICE. PROVIDE 15cd STROBE RATING UNLESS OTHERWISE NOTED
	FIRE ALARM NOTIFICATION VISUAL DEVICE. PROVIDE 15cd STROBE RATING UNLESS OTHERWISE NOTED
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	FIRE ALARM AUXILIARY RELAY
	FIRE ALARM CONTROLLABLE ZONE ADDRESSABLE MODULE
	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
	FIRE ALARM CONNECTION TO SPRINKLER FLOW SWITCH
	FIRE ALARM CONNECTION TO SPRINKLER TAMPER SWITCH
	REMOTE TEST STATION
	ELECTROMAGNETIC DOOR HOLDER--SHALL RELEASE UPON FIRE ALARM ACTUATION

GENERAL NOTES (ALL DRAWINGS):

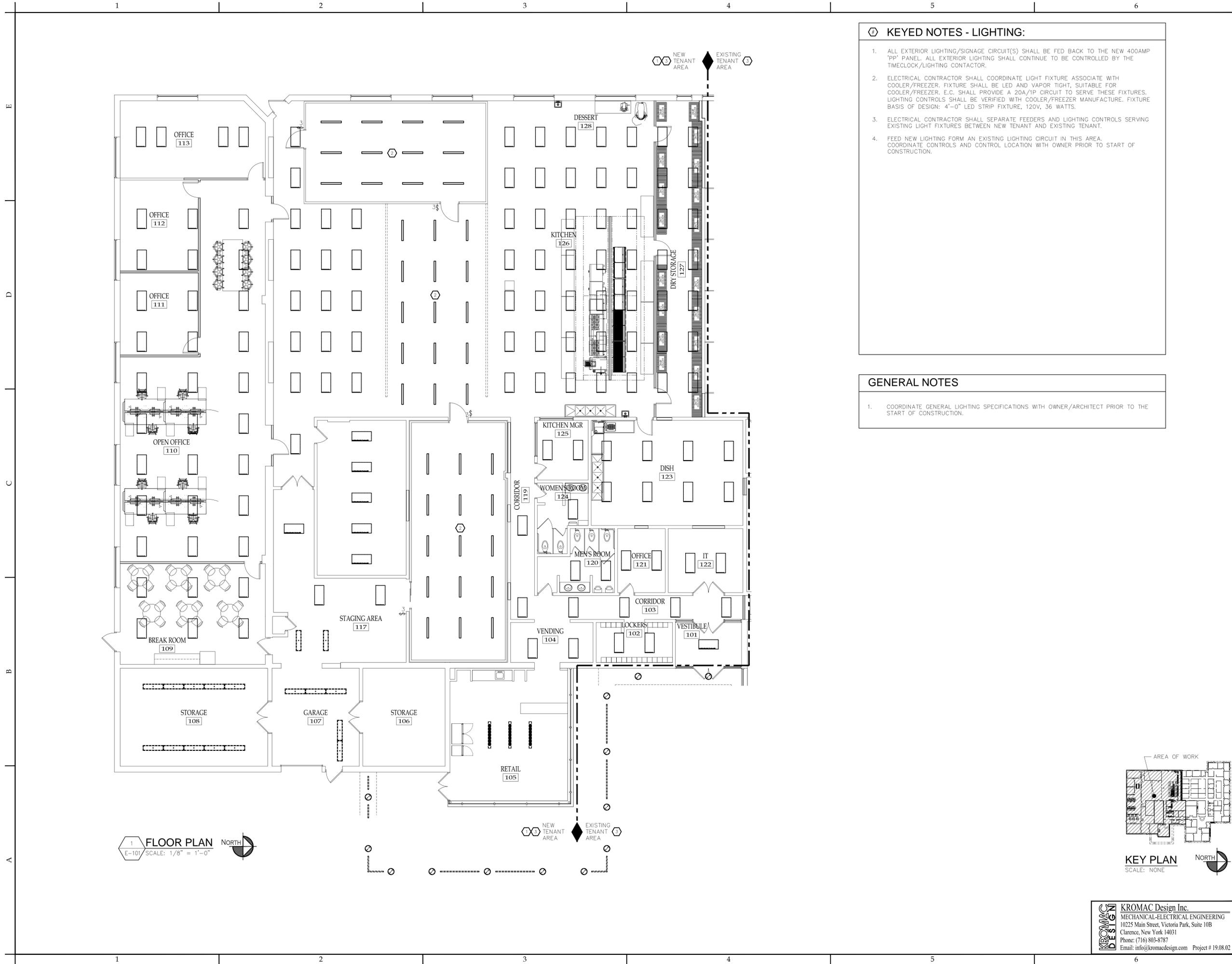
- CIRCUIT NUMBERS INDICATED ON THE DRAWINGS ARE SHOWN FOR THE PURPOSE OF CLARIFYING THE GROUPING OF OUTLETS. THE ACTUAL NUMBER ASSIGNED TO THE CIRCUIT IN THE PANELBOARD SHALL SUIT THE BUSSING AND BRANCH CIRCUITING TO THE PANEL. PROVIDE COMPLETE AND ACCURATE TYPEWRITTEN PANEL DIRECTORIES FOR ALL NEW AND EXISTING BRANCH CIRCUIT PANELBOARDS.
- LOCATIONS INDICATED FOR LIGHT FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH EXISTING AND NEW BUILDING STEEL, PIPING, DUCTWORK, CONDUIT, DIFFUSERS, SMOKE DETECTORS, etc. FIELD COORDINATE THE LOCATIONS AS NEAR AS POSSIBLE TO THOSE INDICATED ON THE PLANS. ALSO REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
- ALL CIRCUITING SHALL BE CONCEALED (EXCEPT IN ELECTRICAL AND MECHANICAL SPACES). ALL CONDUITS SHALL BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED CEILINGS AND CONCEALED IN WALLS UNLESS OTHERWISE INDICATED.
- EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS AND EXIT SIGNS SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE AND HEAT DETECTORS SHALL BE REQUIRED TO BE INSTALLED A MINIMUM OF THREE (3) FEET AWAY FROM SUPPLY OR RETURN AIR GRILLES OR PER SYSTEM MANUFACTURERS INSTALLATION REQUIREMENTS AND NFPA 72.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW OTHER TRADES PROJECT CONTRACT DOCUMENTS TO DETERMINE MOUNTING HEIGHTS FOR ELECTRICAL DEVICES OR EQUIPMENT. THE LOCATIONS FOR MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRES ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS. COORDINATE EXACT MOUNTING LOCATIONS AND HEIGHTS IN THE FIELD WITH OTHER TRADES PRIOR TO INSTALLATION.
- E.C. SHALL WIRE EMERGENCY/EXIT LIGHTING INTO CIRCUIT SERVING AREA WHERE DEVICE IS LOCATED, CIRCUIT AHEAD OF LOCAL SWITCHING, OCCUPANCY SENSING AND TIME CLOCK CONTROL.

ABBREVIATIONS

A	AMPERE	IG	ISOLATED GROUND
AC	ALTERNATING CURRENT	J-BOX	JUNCTION BOX
AFCI	ARC-FAULT CIRCUIT-INTERRUPTER	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
AFG	ABOVE FINISHED GRADE	M.C.	MECHANICAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE	NIC	NOT IN CONTRACT
C/W	COMPLETE WITH	P.C.	PLUMBING CONTRACTOR
DC	DIRECT CURRENT	RTU	ROOF TOP UNIT
D/DIM	DIMMING SWITCH	SPECS	SPECIFICATIONS
E.C.	ELECTRICAL CONTRACTOR	TEL	TELEPHONE
EDF	ELECTRIC DRINKING FOUNTAIN	TYP	TYPICAL
EX	EXISTING	V	VOLT
EQUIP	EQUIPMENT	WP	WEATHERPROOF
FA	FIRE ALARM	WH	WATER HEATER
G.GND	GROUND	Ø	PHASE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	XFMR	TRANSFORMER
HP	HORSEPOWER		

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT HOMERUN, CIRCUIT CONCEALED IN CEILING TO PANEL AND CIRCUIT INDICATED OR WALL. "1" INDICATES NEUTRAL & HOT LEG(S) "1" INDICATES GROUND WIRE.
	20A, 120V, FLUSH MOUNTED DUPLEX RECEPTACLE, COLOR PER ARCHITECT'S DIRECTION. NUMBER INDICATES CIRCUIT. OC: INDICATES OVER COUNTER (+6") C: INDICATES CEILING MOUNTED B: BULKHEAD MOUNTED D: DEDICATED UC: UNDER COUNTER
	20A, 120V, FLUSH MOUNTED GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE, COLOR PER ARCHITECT'S DIRECTION. WP: INDICATES WEATHERPROOF
	20A, 120V, FLUSH MOUNTED DOUBLE DUPLEX RECEPTACLE, COLOR PER ARCHITECTS DIRECTION.
	20A, 120V, FLUSH MOUNTED DUPLEX RECEPTACLE, COLOR PER ARCHITECT'S DIRECTION, C=CEILING MOUNTED, F=FLOOR MOUNTED
	20A, 120V, FLUSH MOUNTED QUAD RECEPTACLE, COLOR PER ARCHITECT'S DIRECTION, C=CEILING MOUNTED, F=FLOOR MOUNTED
	SPECIAL PURPOSE DUPLEX RECEPTACLE, REFER TO PLANS FOR ELECTRICAL SPECIFICATIONS.
	JUNCTION BOX - SIZE PER NEC.
	250 VAC HEAVY DUTY DISCONNECT SWITCH, W.P. INDICATES NEMA 3R ENCLOSURE.
	PANELBOARD, REFER TO PANEL SCHEDULES
	TRANSFORMER
	EC TO MAKE COMPLETE 120V CONNECTION TO EQUIPMENT
	EC TO MAKE COMPLETE 208V CONNECTION TO EQUIPMENT
	EC TO MAKE COMPLETE 480V CONNECTION TO EQUIPMENT
	TOGGLE SWITCH, 1 POLE, ROMAN NUMERALS INDICATE NO. OF GANGS & SMALL CASE LETTERS INDICATE SWITCH LEG CONTROL
	3-WAY WALL MOUNTED TOGGLE SWITCH
	4-WAY WALL MOUNTED TOGGLE SWITCH
	FAN CONTROL SWITCH
	DIMMER SWITCH
	OCCUPANCY/DIMMER SWITCH
	OCCUPANCY SENSOR (WALL/CEILING MOUNTED)
	PROGRAMMABLE TIME CLOCK
	LIGHTING CONTACTOR
	COMMUNICATIONS SYSTEM OUTLET - CABLING, JACKS AND FACEPLATE BY OTHERS, MOUNT +18" A.F.F. UNLESS OTHERWISE. EC TO PROVIDE DOUBLE GANG BACK BOX AND 3/4" CONDUIT W/BUSHINGS AND PULLSTRING STUBBED INTO ACCESSIBLE CEILING CAVITY. VERIFY FINAL QUANTITIES AND LOCATIONS WITH OWNER PRIOR TO ROUGH-IN. SUBSCRIPT 'C' INDICATES OUTLET SHALL BE LOCATED +6" ABOVE COUNTER BACKSPLASH. # - INDICATED QUANTITY OF PORTS.
	WiFi ACCESS POINT TO BE INSTALLED BY OTHER
	MECHANICAL EQUIPMENT CONNECTION. REFERENCE MECHANICAL EQUIPMENT CONNECTION SCHEDULE, SHEET E3.0.
	"MESSENGER" PLASTIC LED EXIT SIGN WITH INNOVATIVE DOWNLIGHT, SERIES PDLEX COMPLETE WITH SNC BATTERY FOR 1.5 HRS OF OPERATION. TEST SWITCH, UNIVERSAL SNAP IN CHEVRONS, UNIVERSAL MOUNT, DAMP UL LISTED, 120 VOLTS.
	EMERGENCY LUMINAIRE HIGH IMPACT THERMOPLASTIC, UNIVERSAL MOUNTING, 120/277 VOLT, WHITE FINISH, TEST SWITCH, DAMP UL LISTED, DUAL LITE CV-SERIES. (OR EQUAL)
	EMERGENCY LUMINAIRE HIGH IMPACT THERMOPLASTIC, UNIVERSAL MOUNTING, 120/277 VOLT, WHITE FINISH, TEST SWITCH, DAMP UL LISTED, WITH A MINIMUM OPERATION OF 90 MINUTES OPERATION: CVS-SERIES FOR EMERGENCY LUMINAIRE, OSMDB- TWIN REMOTE WEATHER PROOF HEAD.



1 FLOOR PLAN NORTH
 E-101 SCALE: 1/8" = 1'-0"

- KEYED NOTES - LIGHTING:**
1. ALL EXTERIOR LIGHTING/SIGNAGE CIRCUIT(S) SHALL BE FED BACK TO THE NEW 400AMP 'PP' PANEL. ALL EXTERIOR LIGHTING SHALL CONTINUE TO BE CONTROLLED BY THE TIMECLOCK/LIGHTING CONTACTOR.
 2. ELECTRICAL CONTRACTOR SHALL COORDINATE LIGHT FIXTURE ASSOCIATE WITH COOLER/FREEZER. FIXTURE SHALL BE LED AND VAPOR TIGHT, SUITABLE FOR COOLER/FREEZER. E.C. SHALL PROVIDE A 20A/1P CIRCUIT TO SERVE THESE FIXTURES. LIGHTING CONTROLS SHALL BE VERIFIED WITH COOLER/FREEZER MANUFACTURE. FIXTURE BASIS OF DESIGN: 4'-0" LED STRIP FIXTURE, 120V, 36 WATTS.
 3. ELECTRICAL CONTRACTOR SHALL SEPARATE FEEDERS AND LIGHTING CONTROLS SERVING EXISTING LIGHT FIXTURES BETWEEN NEW TENANT AND EXISTING TENANT.
 4. FEED NEW LIGHTING FROM AN EXISTING LIGHTING CIRCUIT IN THIS AREA. COORDINATE CONTROLS AND CONTROL LOCATION WITH OWNER PRIOR TO START OF CONSTRUCTION.

- GENERAL NOTES**
1. COORDINATE GENERAL LIGHTING SPECIFICATIONS WITH OWNER/ARCHITECT PRIOR TO THE START OF CONSTRUCTION.



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95 NUTRITION
 CHANGING LIVES ONE MEAL AT A TIME
95 Nutrition
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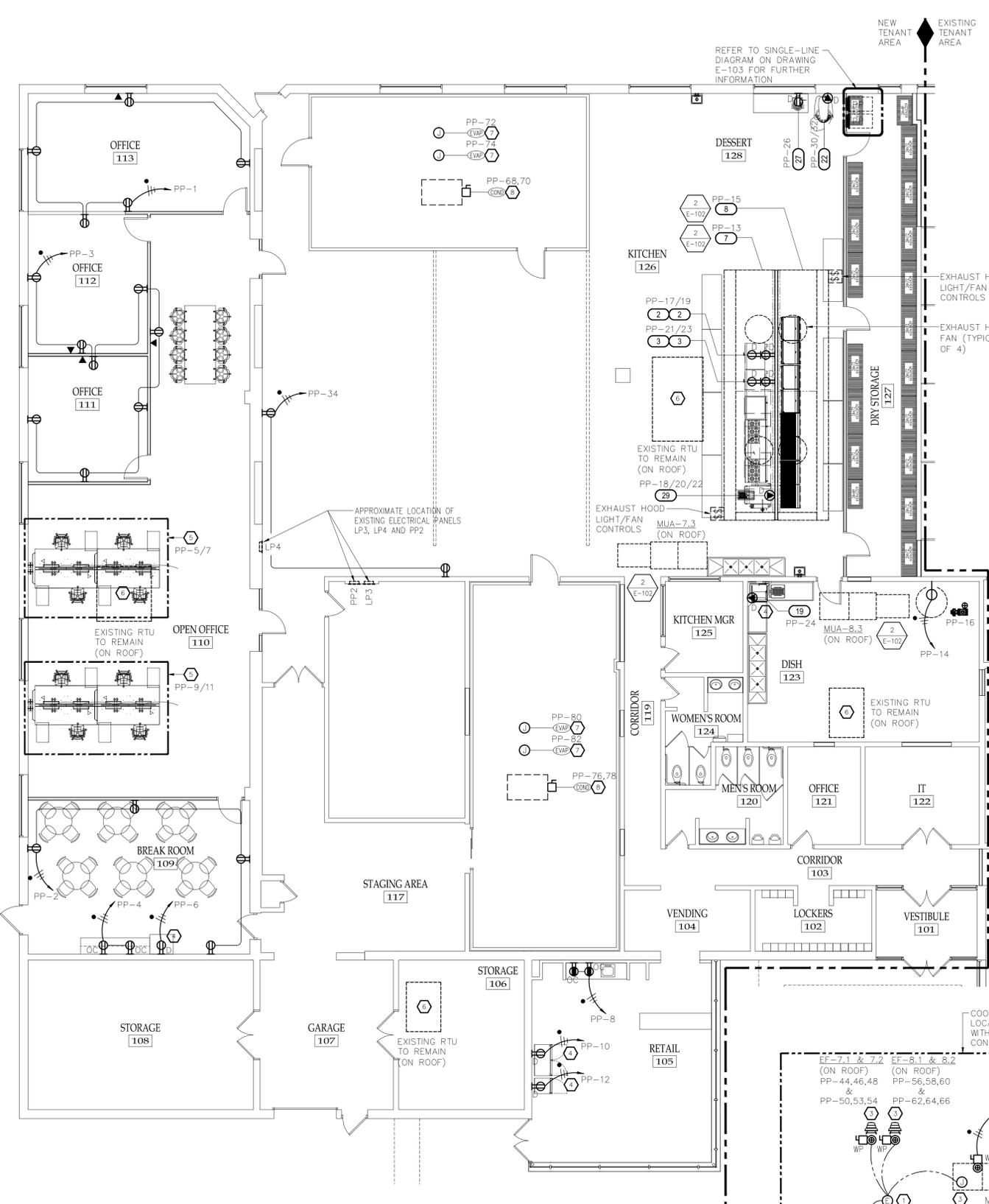
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TITLE:
 FLOOR PLAN - LIGHTING

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SA JOB #: 19071.01 **DATE:**

DRAWING #: E-101



1 FLOOR PLAN
E-102 SCALE: 1/8" = 1'-0" NORTH

2 MUA POWER (TYPICAL OF 2)
E-102 SCALE: NTS

KEYED NOTES - POWER:

- J-BOX AND CONDUIT DOWN FROM CEILING AT FIRE SUPPRESSION SYSTEM LOOPED TO ANSUL PULL SWITCH AND INTERCONNECTED TO MICRO SWITCH. MICRO SWITCH FURNISHED BY ANSUL SUPPLIER AND INSTALLED AND INTERCONNECTED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION IN FIELD.
- ANSUL PULL SWITCH AT +54" AFF. SEE DETAIL ON KITCHEN DRAWINGS FOR ANSUL SYSTEM. LOCATION SUBJECT TO FIRE DEPARTMENT APPROVAL.
- KITCHEN EXHAUST FAN'S AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED SO THAT WHEN THE EXHAUST FAN IS TURNED ON, MUA IS ENERGIZED AT THE SAME TIME. WHEN THE ANSUL SYSTEM FOR EITHER OF THE HOODS ACTIVATES, MUA SHOULD BE AUTOMATICALLY DE-ENERGIZED AND THE EXHAUST FAN'S SHOULD CONTINUE RUNNING OR START.
- REFRIGERATOR/DISHWASHER SHALL BE PROTECTED BY A GFCI CIRCUIT BREAKER.
- COORDINATE POWER REQUIREMENTS (POWER/DATA) WITH FURNITURE MANUFACTURER. E.C. SHALL MAKE INSTALLATION COMPLETE AND OPERATIONAL. NO MORE THAN EIGHT(B) RECEPTACLES TO A 20A/1P CIRCUIT.
- REFER TO SINGLE-LINE DIAGRAM ON DRAWING E-103 FOR FURTHER ROOFTOP UNIT INFORMATION. COORDINATE WITH OWNER, THE EXACT LOCATION OF ANY REMOTE TEST STATIONS OF THE EXISTING ROOFTOP UNITS SERVING 95 NUTRITION. E.C. SHALL RELOCATE AS REQUIRED.
- PROVIDE FINAL CONNECTIONS TO COOLER/FREEZER EVAPORATOR COIL, LIGHTS AND HEATERS. VERIFY REQUIREMENTS IN FIELD WITH EXACT EQUIPMENT INSTALLED. CONNECTIONS SHALL BE PER MANUFACTURER'S SPECIFICATIONS. E.C. SHALL MAKE INSTALLATION COMPLETE AND OPERATIONAL.
- PROVIDE FINAL CONNECTIONS TO COOLER/FREEZER CONDENSER. VERIFY REQUIREMENTS IN FIELD WITH EXACT EQUIPMENT INSTALLED. CONNECTIONS SHALL BE PER MANUFACTURER'S SPECIFICATIONS. E.C. SHALL MAKE INSTALLATION COMPLETE AND OPERATIONAL.

GENERAL NOTES

- ALL WIRING DEVICES ARE NEW UNLESS NOTED OTHERWISE.
- DEVICE AND COVER PLATE FINISH. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT/OWNER.
- BACK OF HOUSE = VERIFY
- DINING ROOM = VERIFY
- ALL 15 AND 20 AMP, 125 VOLT RECEPTACLES IN THE KITCHEN AREA, FOOD PREPARATION AREA, DISH AREA SHALL BE GFCI TYPE.
- UNLESS OTHERWISE NOTE ALL EXISTING MECHANICAL/PLUMBING EQUIPMENT SHALL REMAIN AS IS.
- COORDINATE ALL BRANCH CIRCUIT WIRING ROUTING AND RECEPTACLE MOUNTING/LOCATIONS WITH MILLWORK MANUFACTURE PRIOR TO INSTALLATION.
- COORDINATE MOUNTING HEIGHTS OF ALL CONNECTIONS WITH EQUIPMENT MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

KITCHEN EQUIPMENT CONNECTION SCHEDULE

Item No	Equipment Category	Amps	KW	HP	Volts	Phase	Cycle	Direct	Plug	NEMA	Electrical AFF (in)	Elec Remarks
2	DOUBLE CONVECTION OVEN	9.0		1/2	120	1	60	X			32	48
3	DOUBLE CONVECTION OVEN (EXISTING)	9.0		1/2	120	1	60	X			32	48
7	EXHAUST HOOD				120	1	60	X				
7.1	EXHAUST FAN	15.8		5	208	3	60	X				
7.2	EXHAUST FAN	15.8		5	208	3	60	X				
7.3	MAKE-UP AIR FAN	21.1		7 1/2	208	3	60	X				
8	EXHAUST HOOD				120	1	60	X				
8.1	EXHAUST FAN	15.8		5	208	3	60	X				
8.2	EXHAUST FAN	15.8		5	208	3	60	X				
8.3	MAKE-UP AIR FAN	21.1		7 1/2	208	3	60	X				
19	LOW TEMP DISHWASHER	11.4		1	115	1	60	X			60	
22	60 QT MIXER	9.0		3	208	3	60	X		15-20P	24	
27	MIXER (EXISTING)	10.0			115	1	60	X		5-15P	48	SEE NOTE #3
29	30 GAL. TILT SKILLET	33.3	12.0		208	3	60	X			32	

NOTE #1 INTERCONNECT TO ADDITIONAL LIGHT FIXTURES BY FSEC.
NOTE #2 REFER TO MANUFACTURERS SHOP DRAWINGS FOR MORE INFORMATION.
NOTE #3 EQUIPMENT NOTED AS EXISTING, BY OWNER, OR SUPPLIED BY A VENDOR OTHER THAN THE KEK MUST HAVE ALL PLUMBING, ELECTRICAL, AND HVAC MECHANICAL CONNECTIONS VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO CONSTRUCTION.

GENERAL ELECTRICAL EQUIPMENT SCHEDULE NOTES:

- A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERES, BREAKERS REQUIRED, CONNECTION TYPE/LOCATION ETC.) OF EQUIPMENT SUPPLIED BY OTHERS PRIOR TO CONNECTION AGAINST APPROVED SHOP DRAWINGS. E.C. SHALL MAKE ALL EQUIPMENT COMPLETE AND OPERATIONAL.



KEY PLAN
SCALE: NONE NORTH

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ISSUE:
MEP Progress 01.17.2020

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS N.Catuzza _____

SEAL:

TITLE:
FLOOR PLAN - POWER



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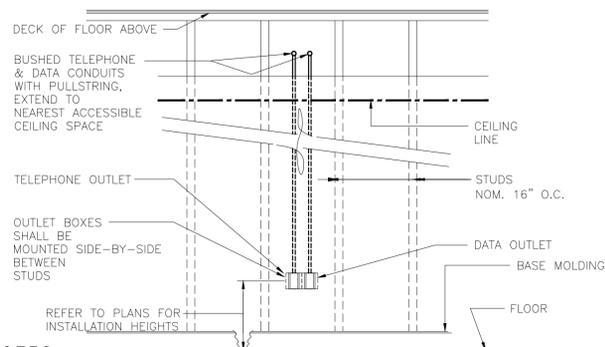
SA JOB #: 19071.01 DATE:

DRAWING #: E-102

KROMAC Design Inc.
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10225 Main Street, Victoria Park, Suite 10B
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Email: info@kromacdesign.com Project # 19.08.02

WORK REQUIRED BY E.C. FOR VOICE/DATA SYSTEMS

NO SCALE

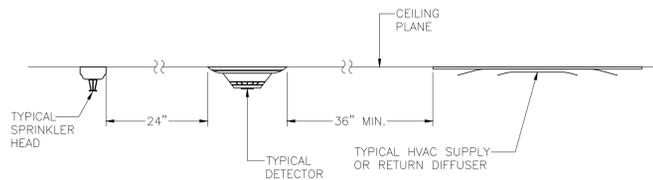


NOTES:

PROVIDE METAL BOX SUPPORT OR OTHER SUITABLE DEVICE, BEHIND OUTLET BOXES & BETWEEN STUDS, FOR LATERAL & FRONT-TO-BACK SUPPORT.
 OUTLET BOXES SHALL BE 4" SQ., WITH SINGLE OR MULTIPLE GANG, RAISED DEVIATION SCALE COVERS. REFER TO PLANS FOR NUMBERS OF GANGS REQUIRED

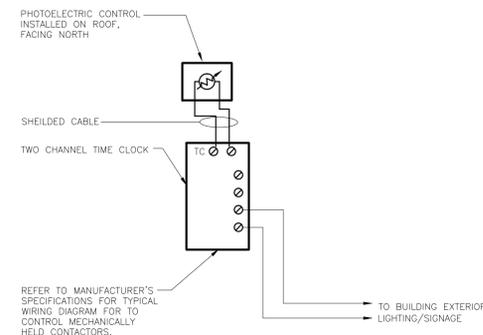
SMOKE DETECTOR INSTALLATION CLEARANCES

NO SCALE



TIME CLOCK - CONTACTOR DETAIL

NO SCALE

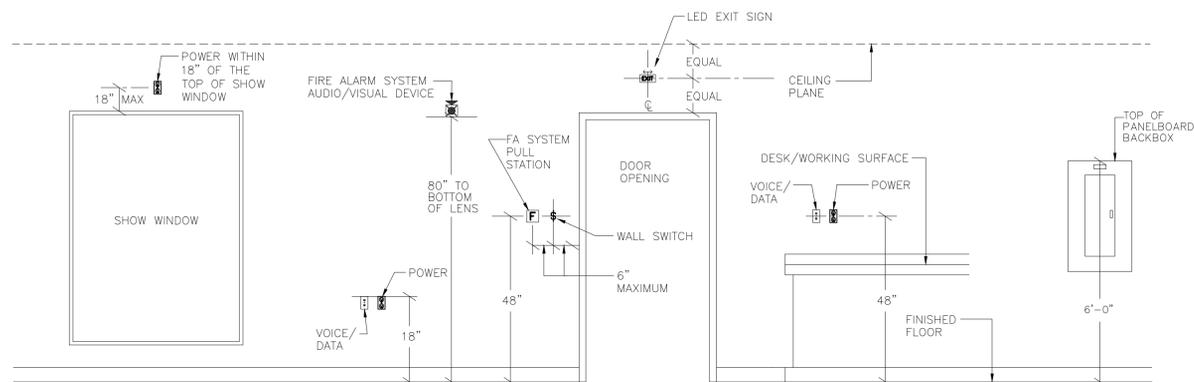


SPECIFICATION

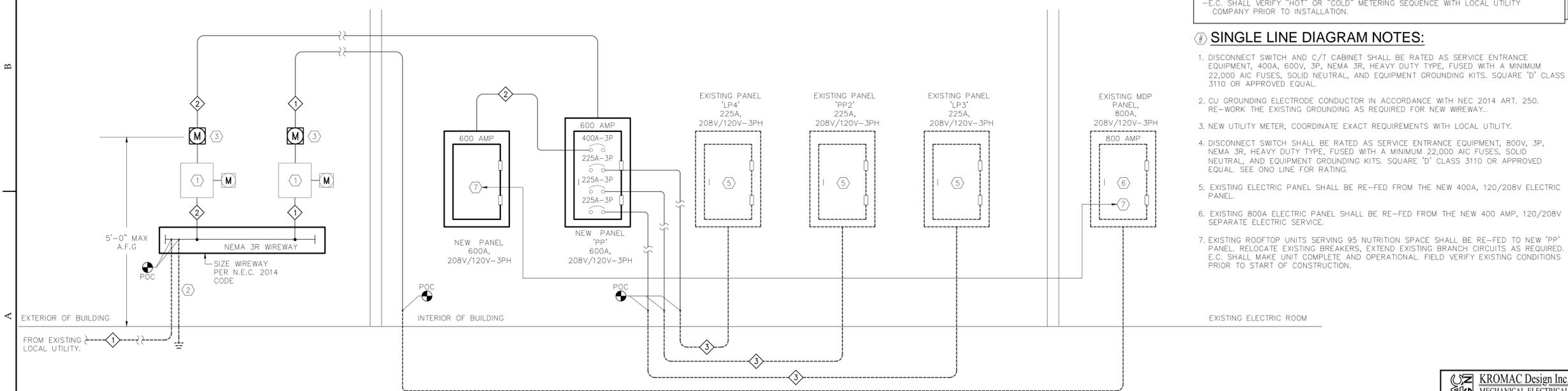
- A. CONTACTORS SHALL BE SQUARE D 8903 OR APPROVED EQUAL MOUNT CONTACTORS IN A NEMA 1 ENCLOSURE NEXT TO PANEL.
- B. PROVIDE PARAGON EL72, 2-CHANNEL ELECTRONIC TIME CONTROL. THE CONTROL SHALL HAVE 24-HOUR, 7-DAY, 365 DAY, SUNTRACKER.

TYPICAL MOUNTING HEIGHTS FOR ELECTRIC WORK

NO SCALE



SINGLE-LINE DIAGRAM



FEEDER SIZE SCHEDULE		
COPPER CONDUCTORS (ALTERNATE)		
#	CONDUCTORS (3φ-4 WIRE WITH GROUND)	CONDUIT SIZE
1	EXISTING	EXISTING
2	2 SETS @ (4) #350 & (1) #1GND	(2) 3"
3	(4) #4/0 & (1) #4GND	2-1/2"
4	(4) #600 & (1) #3GND	3-1/2"

- NOTES:**
- CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT FROM LOCAL UTILITY PRIOR TO COMMENCING WORK AND PROVIDE A LETTER FROM THE UTILITY TO THE LOCAL ELECTRIC INSPECTOR STATING THE AVAILABLE FAULT CURRENT. ALL EQUIPMENT SHALL MATCH THE REQUIRED AIC RATINGS
 - ALL ELECTRICAL WIRING AND GROUNDING TO CONFORM WITH THE 2014 NEC.
 - CONTRACTOR TO VERIFY EXACT LOADS WITH EQUIPMENT PURCHASED. VERIFY EXACT BREAKER AND FEEDER SIZES. SERVING ELECTRICAL PANELS.
 - E.C. SHALL VERIFY "HOT" OR "COLD" METERING SEQUENCE WITH LOCAL UTILITY COMPANY PRIOR TO INSTALLATION.

- # SINGLE LINE DIAGRAM NOTES:**
1. DISCONNECT SWITCH AND C/T CABINET SHALL BE RATED AS SERVICE ENTRANCE EQUIPMENT, 400A, 600V, 3P, NEMA 3R, HEAVY DUTY TYPE, FUSED WITH A MINIMUM 22,000 AIC FUSES, SOLID NEUTRAL, AND EQUIPMENT GROUNDING KITS. SQUARE 'D' CLASS 3110 OR APPROVED EQUAL.
 2. CU GROUNDING ELECTRODE CONDUCTOR IN ACCORDANCE WITH NEC 2014 ART. 250. RE-WORK THE EXISTING GROUNDING AS REQUIRED FOR NEW WIREWAY..
 3. NEW UTILITY METER, COORDINATE EXACT REQUIREMENTS WITH LOCAL UTILITY.
 4. DISCONNECT SWITCH SHALL BE RATED AS SERVICE ENTRANCE EQUIPMENT, 800V, 3P, NEMA 3R, HEAVY DUTY TYPE, FUSED WITH A MINIMUM 22,000 AIC FUSES, SOLID NEUTRAL, AND EQUIPMENT GROUNDING KITS. SQUARE 'D' CLASS 3110 OR APPROVED EQUAL. SEE ONE LINE FOR RATING.
 5. EXISTING ELECTRIC PANEL SHALL BE RE-FED FROM THE NEW 400A, 120/208V ELECTRIC PANEL.
 6. EXISTING 800A ELECTRIC PANEL SHALL BE RE-FED FROM THE NEW 400 AMP, 120/208V SEPARATE ELECTRIC SERVICE.
 7. EXISTING ROOFTOP UNITS SERVING 95 NUTRITION SPACE SHALL BE RE-FED TO NEW 'PP' PANEL. RELOCATE EXISTING BREAKERS, EXTEND EXISTING BRANCH CIRCUITS AS REQUIRED. E.C. SHALL MAKE UNIT COMPLETE AND OPERATIONAL. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION.

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SEAL:

TITLE:
 ELECTRICAL
 DETAILS



SA JOB #: 19071.01 **DATE:**

DRAWING #: E-103

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 Email: info@kromacdesign.com Project # 19.08.02

ELECTRICAL SPECIFICATIONS

BASIC ELECTRICAL REQUIREMENTS

- A. THE INSTRUCTIONS TO BIDDERS, FORM OF BID, FORM OF CONTRACT, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND THE CONTRACT DRAWINGS ARE A PART OF THE SPECIFICATIONS FOR THIS DIVISION OF WORK AND THIS CONTRACTOR SHALL REFER TO THEM FOR INSTRUCTIONS PERTAINING TO HIS WORK.
B. "THE CONTRACTOR," "THIS CONTRACTOR," "EC," AND "DIVISION 16," AS USED IN THESE DRAWINGS AND SPECIFICATIONS, MEANS THE ELECTRICAL CONTRACTOR.
C. WHERE SPECIFICATIONS AND/OR DRAWINGS CONFLICT WITH ANY CODE REQUIREMENT, CODE REQUIREMENTS SHALL BE FOLLOWED.
D. CODES AND STANDARDS:
1. STATE BUILDING CODE
2. NFPA STANDARDS
3. ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES
4. STATE CONSERVATION CONSTRUCTION CODE
5. LATEST ADOPTED NATIONAL ELECTRICAL CODE (NEC 2014)
E. THE ELECTRICAL SYSTEMS COVERED BY THIS CONTRACT INCLUDE, BUT ARE NOT LIMITED TO:
1. BRANCH CIRCUIT WIRING AND RACEWAYS
2. WIRING DEVICES
3. DISCONNECTS
4. MOTOR STARTERS AND MOTOR STARTING EQUIPMENT
5. GROUNDING AND BONDING
6. LIGHTING FIXTURES AND LAMPS
7. ELECTRICAL DISTRIBUTION SYSTEM, INCLUDING PANELBOARDS, OVERCURRENT DEVICES, AND FEEDERS
8. EXISTING CONSTRUCTION AND COORDINATION OF DEMOLITION WORK
9. CONNECTIONS TO HVAC, PLUMBING, FIRE PROTECTION, AND ALL OTHER ELECTRICALLY SUPPLIED EQUIPMENT, CONTROLS, CONTROL PANELS, MOTOR STARTERS, MOTOR STARTING EQUIPMENT AND DISCONNECTS NOT FURNISHED UNDER HVAC, PLUMBING, FIRE PROTECTION, OR OTHER CONTRACTS

- F. PAY FOR ALL PERMITS, INSPECTION FEES, LICENSES AND FOR TESTS WHICH MAY BE REQUIRED IN DETERMINING THE COMPLETENESS OF THE ELECTRICAL WORK.
G. ALL ELECTRICAL PRODUCTS USED ON THIS PROJECT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL).
H. ALL ELECTRICAL PRODUCTS USED ON THIS PROJECT SHALL CONFORM TO APPLICABLE STANDARD OF THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
I. ALL ELECTRICAL INSTALLATION AND PRODUCTS USED ON THIS PROJECT SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC).
J. THE PLANS SHOW THE APPROXIMATE LOCATION OF ALL PARTS OF THE WORK. THE ARCHITECT WILL GIVE EXACT LOCATIONS, WHERE STRUCTURAL CONDITIONS ENCOUNTERED NECESSITATE MINOR CHANGES, THESE SHALL BE MADE WITHOUT CHARGE, BUT MUST MEET WITH THE APPROVAL OF THE ARCHITECT, WHERE MAJOR CHANGES ARE REQUIRED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
K. NOTIFY THE ARCHITECT, AND OBTAIN APPROVAL, BEFORE ANY COMPONENTS OF THE ELECTRICAL SYSTEM ARE CONCEALED BY CLOSING OFF AREAS, POURING CONCRETE, ETC.
L. DETERMINE AND BE RESPONSIBLE FOR PROPER SIZE AND LOCATION OF OPENINGS AND CHASES, AND NOTIFY THE GENERAL CONTRACTOR NOTICE OF REQUIREMENTS. INSTALL ALL SLEEVES NECESSARY FOR THE WORK, WHEREVER ANY RACEWAY PASSES THROUGH A WALL, THE OPENING SHALL BE SEALED TIGHT AGAINST THE RACEWAY BY THIS CONTRACTOR. RACEWAYS THROUGH FOUNDATION WALLS AND ROOFS SHALL BE SEALED WATER-TIGHT BY THIS CONTRACTOR.
M. THIS CONTRACTOR SHALL DO ALL NECESSARY CUTTING AND PATCHING WHICH IS NOT CALLED TO BE DONE UNDER ANOTHER DIVISION. ALL CUTTING AND REPAIRING SHALL BE PERFORMED BY SKILLED WORKERS.
N. PAINT ALL EXPOSED RACEWAYS IN FINISHED ROOMS WITH TWO COATS OF PAINT TO MATCH SURROUNDINGS. INSTALL PANELBOARD TRIMS, CABINETS, ENCLOSURES, ETC., IN SUFFICIENT TIME SO THAT THE PAINTING CONTRACTOR MAY PAINT THESE SURFACES WITH THE WALLS. THIS CONTRACTOR SHALL PAY FOR ALL NECESSARY PAINTING IF THE ABOVE PROCEDURE IS NOT FOLLOWED.

- O. THE CONTRACTOR SHALL FURNISH AND INSTALL THE POWER AND LIGHTING REQUIRED FOR THE CONSTRUCTION THE SCOPE SHALL INCLUDE, BUT NOT LIMITED TO:
1. TEMPORARY POWER DISTRIBUTION
2. LAMP SOCKETS AND LAMPS
3. OUTLETS AND CONSTRUCTION EQUIPMENT CONNECTION INCLUDING WELDERS
4. REMOVAL OF TEMPORARY DISTRIBUTION AFTER COMPLETION OF CONSTRUCTION
P. THE ELECTRICAL CONTRACTOR SHALL INSTALL RACEWAYS IN SUCH A MANNER THAT THE EXPANSION JOINTS OF THE BUILDING WILL FUNCTION PROPERLY AND NOT STRESS ANY ELECTRICAL RACEWAYS. EXPANSION JOINTS SHALL BE INSTALLED IN ALL RACEWAYS AT THE EXPANSION JOINTS OF THE BUILDING.
Q. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS; ANY DIFFERENCE WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK.
R. PROVIDE PRODUCT DATA, CATALOG OUT SHEETS WITH MFG. SPECIFICATIONS FOR REVIEW BY ARCH./ENGR. FOR THE FOLLOWING ITEMS:
1. PANELBOARDS
2. SAFETY DISCONNECT SWITCHES
3. OUTLET BOXES
4. FITTINGS
5. LIGHTING FIXTURES
6. LAMPS
7. CONDUCTORS
8. DEVICES
9. TIME SWITCHES
10. TRANSFORMERS
11. FIRE ALARM SYSTEM

- S. PROVIDE (3) SUBMITTAL COPIES FOR EACH ITEM LISTED ABOVE.
T. MAINTAIN THROUGHOUT PROJECT A SET OF PLANS WHICH ACCURATELY PORTRAY THE ACTUAL INSTALLATION, INCLUDING LOCATION OF ALL WIRING, EQUIPMENT, CIRCUIT NUMBERS, ETC. TURN OVER TO OWNER AT COMPLETION OF JOB.
U. TERMINALS: ALL ELECTRICAL EQUIPMENT FURNISHED ON THIS PROJECT SHALL HAVE TERMINALS RATED FOR 75° C OPERATION.

- RACEWAYS AND FITTINGS
A. WHERE CALLED FOR ON THE DRAWINGS, FLOOR OUTLET BOXES AND POKE-THROUGH DEVICE SHALL BE AS MANUFACTURED BY HUBBELL, WALKER, OR LEW.
B. WIRING AND RACEWAYS SHALL BE CONCEALED IN ALL ROOMS AND SPACES UNLESS OTHERWISE NOTED.
C. ALL FEEDERS AND BRANCH CIRCUIT HOMERUNS SHALL BE INSTALLED IN EMT, WHERE ALLOWED. BRANCH CIRCUITS MAY BE TYPE MC CABLE BETWEEN HOMERUN JUNCTION BOX AND EQUIPMENT/DEVICE CONNECTION IN DRYWALL PARTITIONS ONLY. HOMERUN JUNCTION BOX TO BE A MAXIMUM OF 20 FT. FROM EQUIPMENT/DEVICE.

- D. THE CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOXES, PULLBOXES, AND CABLE SUPPORT BOXES AS SHOWN ON THE DRAWINGS, SPECIFIED HEREIN, OR AS OTHERWISE REQUIRED. BOXES SHALL BE SECURED IN POSITION INDEPENDENTLY OF CONDUITS ENTERING THEM BY MEANS OF BOLTS, ROD HANGERS, BRACKETS, OR OTHER APPROVED METHODS. OUTLET BOXES SHALL BE SECURELY FASTENED TO CEILINGS, WALLS OR COLUMNS.
E. BOXES INSTALLED IN FINISHED CEILINGS, WALLS OR COLUMNS SHALL BE SET SO THAT THE FRONT EDGE OF THE BOX SHALL BE FLUSH WITH FINISHED CEILINGS, WALLS OR COLUMNS.
F. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFIED HEREIN, RECEPTACLE OUTLET CENTERLINES SHALL BE INSTALLED 18" ABOVE THE FLOOR.
G. PROVIDE FIRESTOPPING TO CABLE AND RACEWAY PENETRATIONS OR FIRE-RATED FLOOR AND WALL ASSEMBLIES TO ACHIEVE FIRE-RESISTANCE RATING OF THE ASSEMBLY.

- D. FOR USE IN UNFINISHED AREAS: WIRE IN SURFACE MOUNTED RGS CONDUIT.
E. FOR OUTDOOR USE: WIRE IN THREADED, RIGID STEEL CONDUIT.
F. FOR UNDERGROUND USE: WIRE IN SCHEDULE 80 RIGID PVC NONMETALLIC CONDUIT.
G. FOR FINAL CONNECTION IN DAMP OR WET LOCATIONS: LIQUID TIGHT FLEXIBLE METAL CONDUIT, WITH LISTED FITTINGS.
H. NOT USED
I. IN ALL INSTANCES, INCLUDE A SEPARATE GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CIRCUIT, SIZE PER NEC.
J. FURNISH ALL FITTINGS REQUIRED, BUT NOT LIMITED TO: BUSHINGS TO PREVENT WIRE ABRASION; SINGLE- AND MULTIPLE-GANG BOXES TO ACCOMMODATE DEVICE INSTALLATION; ADAPTERS FROM CONDUIT TO RACEWAY; TRANSITIONS TO BOTH LARGER AND SMALLER SURFACE METAL RACEWAYS; 90 DEGREE ELBOWS, TEES, FITTURE BOXES, AND FLEXIBLE SECTIONS.
K. SURFACE METAL RACEWAY AND FITTINGS SHALL MEET ALL REQUIREMENTS OF NEC ARTICLE 352A AND SHALL BE UL LISTED.
L. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION, INSTALLATION, AND LOCATION OF ALL NECESSARY AND REQUIRED INSERTS, SUPPORTS, AND ANCHOR BOLTS, AND FOR A SATISFACTORY RACEWAY SYSTEM UPON COMPLETION OF THE PROJECT.

- M. WHERE ANY COMPONENT OF THE RACEWAY SYSTEM IS DAMAGED PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE SAME OR PROVIDE A NEW RACEWAY SYSTEM, AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
N. CONDUITS SHALL BE RUN TO AVOID ADVERSE CONDITIONS SUCH AS HEAT AND MOISTURE AND TO AVOID ALL MATERIALS AND EQUIPMENT OF OTHER TRADES. CONDUITS SHALL MAINTAIN A MINIMUM CLEARANCE OF SIX INCHES FROM ALL HOT WATER PIPES, FLUES, OR HIGH TEMPERATURE PIPING OR DUCTWORK. SHOULD IT BE FOUND NECESSARY TO INSTALL CONDUIT CLOSER THAN THIS TO HOT WATER PIPES AN INSULATING COVERING SHALL BE USED TO PROTECT THE CONDUIT FROM HIGH TEMPERATURE.
O. RACEWAYS SHALL NOT BE SMALLER THAN THE SIZE REQUIRED BY THE NATIONAL ELECTRICAL CODE FOR THE CONDUCTORS ENCLOSED AND SHALL BE LARGER WHERE SO SPECIFIED OR INDICATED ON THE PLANS.
P. ALL EXPOSED RUNS OF CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR CEILINGS. SUPPORTS SHALL BE FROM THE MASONRY OR STEEL STRUCTURE RATHER THAN FROM OTHER MECHANICAL WORK SUCH AS DUCTS, PIPING, ETC., IN ACCORDANCE WITH GOOD INDUSTRY PRACTICE IN A MANNER ACCEPTABLE TO THE ARCHITECT.
Q. SUPPORTS AND ATTACHMENTS PROVIDED SHALL BE SPECIFICALLY DESIGNED FOR THE APPLICATIONS. PERFORATED HANGERS OR WIRE TIE SUPPORTS ARE NOT ACCEPTABLE. ALL HANGERS AND SUPPORTS SHALL HAVE CORROSION RESISTANT FINISH.
R. ALL CONDUITS AND RACEWAYS PASSING THROUGH WALLS, FLOORS, AND CEILINGS SHALL BE SLEEVED WITH A PIECE OF SCHEDULE 40 GALVANIZED STEEL PIPE WITH PLAIN ENDS. ALL SLEEVES SHALL BE SEALED WATER-TIGHT USING A MATERIAL SIMILAR IN APPEARANCE TO THE SURROUNDING AREA OR APPROVED MATERIAL.
S. CONDUITS EXTENDING THROUGH ROOFS SHALL BE EQUIPPED WITH PITCH POCKETS.
T. ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A NYLON PULLWIRE.
U. ALL CONDUIT PASSING THROUGH A FIRE ZONE SHALL HAVE A FIRE RATED INSTALLATION.
V. CONDUIT SHALL BE INSTALLED SO THAT A CONTINUOUS GROUNDING SYSTEM WILL BE MAINTAINED FROM THE FURTHEMOST OUTLET TO THE ESTABLISHED WATER PIPE GROUND.

- W. CONDULETS, UNILETS, OR SIMILAR APPROVED TYPE FITTINGS SHALL BE USED ON EXPOSED WORK WHERE CONDUIT CHANGES DIRECTION AND WHERE BENDS WILL NOT MAKE A NEAT JOB.
X. EXPOSED CONDUIT SHALL BE SECURELY FASTENED TO THE BUILDING AT EIGHT-FOOT MINIMUM INTERVALS, USING APPROVED HANGERS, STRAPS, CLAMPS, OR SCREWS. WOOD PLUGS SHALL NOT BE USED FOR FASTENING PURPOSES. CONDUIT RUN ABOVE HUNG CEILING OR IN CRAWL SPACES SHALL BE SUPPORTED IN THE SAME MANNER AS FOR EXPOSED RUNS. WIRE TIES ARE NOT ACCEPTABLE SUPPORTS.
Y. CARE SHALL BE EXERCISED TO MAKE CERTAIN THAT THE CONDUIT SYSTEM NOW PLANNED WILL ACCOMMODATE CONDUCTORS FOR FUTURE CHANGES AS MAY BE REQUIRED. ALTHOUGH UP TO FOUR 90 DEGREE BENDS ARE PERMITTED BY THE NATIONAL ELECTRICAL CODE, THE PRACTICE OF USING MORE THAN THREE 90 DEGREE BENDS PER RUN SHALL BE AVOIDED. PULL BOXES SHALL BE USED IF AT ALL FEASIBLE.
Z. PULLBOXES SHALL BE INSTALLED AT 100 FOOT INTERVALS IN LONG STRAIGHT RUNS. CLOSE NIPPLES WILL NOT BE PERMITTED.

- AA. CONDUIT SMALLER THAN 1/2" SHALL NOT BE USED.
THE REQUIRED STRENGTH OF THE SUPPORTING EQUIPMENT AND THE SIZE AND TYPE OF ANCHORS SHALL BE BASED ON THE COMBINED WEIGHT OF CONDUIT, HANGERS, AND CONDUCTORS. THE USE OF PERFORATED IRON STRAPS FOR SUPPORTING CONDUITS WILL NOT BE PERMITTED.
BB. SINGLE RUNS:
1. WHERE CONDUITS ARE RUN INDIVIDUALLY, THEY SHALL BE SUPPORTED BY APPROVED PIPE STRAPS, SECURED BY MEANS OF TOGGLE BOLTS
2. IN HOLLOW MASONRY; EXPANSION SHIELDS AND MACHINE SCREWS OR STANDARD PRESET INSERTS IN CONCRETE OR SOLID MASONRY; MACHINE SCREWS OR BOLTS IN METAL SURFACES; AND WOOD SCREWS IN WOOD CONSTRUCTION. THE USE OF PERFORATED IRON STRAPS WILL NOT BE PERMITTED.
3. CONDUITS INSTALLED EXPOSED ON THE SURFACE IN DAMP LOCATIONS OR IN REFRIGERATED AREAS SHALL BE PROVIDED WITH CLAMP BACKS UNDER EACH CONDUIT CLAMP TO PREVENT ACCUMULATION OF MOISTURE AROUND THE CONDUITS.
WHERE INDIVIDUAL CONDUITS ARE SUSPENDED FROM THE CEILING THEY SHALL BE SUPPORTED BY HANGERS EQUIVALENT TO STEEL CITY NO. C-149.

- CC. MULTIPLE RUNS:
1. WHERE A NUMBER OF CONDUITS ARE TO BE RUN EXPOSED AND PARALLEL, ONE WITH ANOTHER, THEY SHALL BE GROUPED AND SUPPORTED BY TRAPEZE HANGERS.
2. HANGER RODS SHALL BE FASTENED TO STRUCTURAL STEEL MEMBERS WITH SUITABLE BEAM CLAMPS, OR TO CONCRETE INSERTS SET FLUSH WITH SURFACE.

- DD. THE CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOXES, PULLBOXES, AND CABLE SUPPORT BOXES AS SHOWN ON THE DRAWINGS, SPECIFIED HEREIN, OR AS OTHERWISE REQUIRED. BOXES SHALL BE SECURED IN POSITION INDEPENDENTLY OF CONDUITS ENTERING THEM BY MEANS OF BOLTS, ROD HANGERS, BRACKETS, OR OTHER APPROVED METHODS. OUTLET BOXES SHALL BE SECURELY FASTENED TO CEILINGS, WALLS OR COLUMNS.
EE. BOXES INSTALLED IN FINISHED CEILINGS, WALLS OR COLUMNS SHALL BE SET SO THAT THE FRONT EDGE OF THE BOX SHALL BE FLUSH WITH FINISHED CEILINGS, WALLS OR COLUMNS.
FF. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFIED HEREIN, RECEPTACLE OUTLET CENTERLINES SHALL BE INSTALLED 18" ABOVE THE FLOOR.
GG. PROVIDE FIRESTOPPING TO CABLE AND RACEWAY PENETRATIONS OR FIRE-RATED FLOOR AND WALL ASSEMBLIES TO ACHIEVE FIRE-RESISTANCE RATING OF THE ASSEMBLY.

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95 NUTRITION
CHANGING LIVES ONE MEAL AT A TIME
95 Nutrition
415 Commerce Dr.
Amherst, NY 14221

ISSUE:
MEP Progress 01.17.2020

SA PROJECT TEAM: PRINCIPAL P. Silvestri
PROJ. ARCH. DRAFTER
JOB CAPT. INTERIORS N. Catizza

SEAL:
LED FIXTURES, LAMPS DRIVERS AND COMPONENTS PROVIDE A COMPLETE WARRANTY FOR PARTS AND LABOR FOR A MINIMUM OF FIVE YEARS.
LED FIXTURES SHALL BE MODULAR AND ALLOW FOR SEPARATE REPLACEMENT OF LED LAMPS AND DRIVERS. USER SERVICEABLE LED LAMPS AND DRIVERS SHALL BE REPLACEABLE FROM THE ROOM SIDE.
DIMMABLE LED FIXTURES SHALL HAVE A 0-10 VOLT, 3-WIRE DIMMING DRIVER OR A TWO STEP (50%-100%) LINE VOLTAGE, TWO SWITCH CONTROLLER DIMMING DRIVER.
LED DRIVERS SHALL BE ELECTRONIC-TYPE, LABELED AS COMPLI

AIR DEVICE SCHEDULE

MARK	TYPE	STYLE	FACE	BASIS OF DESIGN
A	RETURN	LOUVERED, LAY-IN	24"x24"	TITUS 350RL
B	RETURN	LOUVERED, LAY-IN	24"x12"	TITUS 350RL



NOTES:

1. FINISH TO MATCH ARCHITECTURAL.
2. OPTIONAL VOLUME DAMPER ON ALL DIFFUSERS MOUNTED IN GYPSUM CEILINGS OR SOFFITS.
3. PROVIDE ALL REQUIRED MOUNTING FRAMES AND HARDWARE.

MECHANICAL LEGEND

	EXISTING DIFFUSER/GRILLE	AFF	ABOVE FINISHED FLOOR
	NEW RETURN AIR/TRANSFER GRILLE	RTU	ROOF TOP UNIT
	EXISTING SUPPLY DUCTWORK	VD	VOLUME DAMPER
	EXISTING RETURN DUCTWORK	CFM	CUBIC FEET PER MINUTE
	NEW RETURN AIR DUCTWORK	DATS	DISCHARGE AIR TEMP SENSOR
	NEW SUPPLY AIR DUCTWORK	FD	FIRE DAMPER
	NEW EXHAUST AIR DUCTWORK	O.A.	OUTSIDE AIR
	BALANCE/VOLUME DAMPER	EAG	EXHAUST AIR GRILLE
	TEMPERATURE SENSOR	SAR	SUPPLY AIR REGISTER
	DETAIL NUMBER	RAG	RETURN AIR GRILLE
	DRAWING SHEET NUMBER	NK	NECK
		UD	UNDERCUT DOOR (BY ARCHITECT)
		GC	GENERAL CONTRACTOR
		OBVD	OPPOSED BLADE VOLUME DAMPER
		OED	OPEN END DUCT
		HVAC	HEATING VENTILATING AND AIR CONDITIONING
		MC	MECHANICAL CONTRACTOR
			POINT OF CONNECTION

GENERAL NOTES:

1. KITCHEN HOOD, KITCHEN EXHAUST FAN AND KITCHEN MAKE-UP AIR UNIT PROVIDED BY KITCHEN CONTRACTOR. MECHANICAL CONTRACTOR RESPONSIBLE FOR ALL DUCTWORK, DAMPERS, SUPPORTS, TRANSITIONS BETWEEN ROOF MOUNTED EQUIPMENT AND HOOD.
2. INSTALLATION SHALL MAINTAIN RECOMMENDED CLEARANCES FOR MAINTENANCE, OPERATION, ETC. ON ALL MECHANICAL EQUIPMENT.
3. CONTRACTOR SHALL COORDINATE ALL HVAC WORK WITH OTHER TRADES, ELECTRICAL, PLUMBING, STRUCTURAL, ETC.
4. ALL WORK SHALL BE IN FULL COMPLIANCE WITH ALL STATE, LOCAL CODES AND REGULATIONS.
5. HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. ALL ELECTRICAL 'FIELD' CONNECTIONS AND RELATED INTERCONNECTIONS BY E.C.
7. ALL PLUMBING 'FIELD' CONNECTIONS AND RELATED INTERCONNECTIONS BY P.C.
8. INTERCONNECTIONS BETWEEN HOODS AND SWITCHES BY E.C.
9. INSTALLING CONTRACTORS SHALL ASSUME ALL RESPONSIBILITY FOR VERIFICATION OF ANY DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY AND INTEGRATION.
10. KITCHEN HOOD SYSTEMS (EXHAUST AND MAKE-AIR) PROVIDE A NEGATIVE PRESSURE IN THE BUILDING (APPROX -2556 CFM). CONTRACTOR SHALL VERIFY THAT OTHER RTU'S PROVIDE AT LEAST ENOUGH AIR TO COMPENSATE FOR THIS AND ALSO TO PROVIDE ADEQUATE VENTILATION TO PEOPLE IN THE BUILDING PER NYS MECH CODE.

KITCHEN MAKE-UP AIR UNIT SCHEDULE (EQUIPMENT BY KITCHEN CONTRACTOR)

UNIT NO.	LOCATION	SERVICE	CFM STD AIR	EXT SP (IN WG)	MOTOR					HEATING SECTION			WEIGHT LBS	DESIGN EQUIPMENT CAPTIVE AIRE	ACCESSORIES
					RPM	HP	VOLTS	PHASE	MCA	TEMP RISE °F	OUTPUT MBH	INPUT MBH			
MUA-7	ROOFTOP	KITCHEN HOOD	3500	0.65	864	7.5	208	3	26.4	68	560	516	1000	A3-D.750-G158	1,2,3,4,5,6,7,8
MUA-7	ROOFTOP	KITCHEN HOOD	3500	0.65	864	7.5	208	3	26.4	68	560	516	1000	A3-D.750-G158	1,2,3,4,5,6,7,8

ACCESSORIES

1. AC INTERLOCK RELAY - 24VAC COIL
2. MOTORIZED BACKDRAFT DAMPER
3. LOW FIRE START
4. INLET PRESSURE GAUGE
5. MANIFOLD PRESSURE GAUGE
6. SEPARATE 120V WIRING PACKAGE

KITCHEN EXHAUST FAN SCHEDULE (EQUIPMENT BY KITCHEN CONTRACTOR)

UNIT NO.	AREA SERVED	CAPTIVE AIRE MODEL NO.	TYPE	CFM	S.P. (IN WC.)	AMPS	MOTOR INFORMATION				ACC
							HP	VOLTAGE	ENCL.	RPM	
EF-7L	KITCHEN HOOD	DU240HFA	UPBLAST ROOF MTD	4262	1.75	15.8	5.0	208/3ø/60	ODP	961	1,2
EF-7R	KITCHEN HOOD	DU240HFA	UPBLAST ROOF MTD	4262	1.75	15.8	5.0	208/3ø/60	ODP	961	1,2
EF-8L	KITCHEN HOOD	DU240HFA	UPBLAST ROOF MTD	4262	1.75	15.8	5.0	208/3ø/60	ODP	961	1,2
EF-8R	KITCHEN HOOD	DU240HFA	UPBLAST ROOF MTD	4262	1.75	15.8	5.0	208/3ø/60	ODP	961	1,2

ACCESSORIES

1. 24" ROOF CURB, HINGED AND VENTED
2. UTILITY SET GREASE CUP

HVAC SPECIFICATIONS

NOTE: MANUFACTURERS' NAMES ON WHICH THIS SPECIFICATION IS BASED INDICATE THE MINIMUM QUALITY OF PRODUCT REQUIRED. SUBSTITUTION MAY BE MADE TO THOSE SPECIFIED IF DEEMED EQUIVALENT BY THE OWNER'S REPRESENTATIVE. ALL WORK AND PRODUCTS SHALL MEET THE REQUIREMENTS OF GOVERNING CODES.

1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL APPLICABLE CODES.
2. SEE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS. ALL CONDITION REQUIREMENTS SHALL APPLY UNLESS OTHERWISE NOTED.
3. ALL WORK SHALL BE PERFORMED AS INDICATED ON DRAWINGS UNLESS FIELD CONDITIONS REQUIRED MINOR CHANGES BE MADE. MINOR CHANGES SHALL BE MADE WITH NO ADDITIONAL COST.
4. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK BY THE OWNER.
5. CONTRACTOR SHALL PREPARE AND SUBMIT AS-BUILT DRAWINGS TO THE OWNER AND THE LANDLORD. AS-BUILT DRAWINGS SHALL INDICATE THE ACTUAL MANUFACTURER OF THE EQUIPMENT THAT WAS INSTALLED, THE EXACT LOCATION OF THE EQUIPMENT AND PERTINENT CAPACITIES FOR HEATING, COOLING, ELECTRICAL, ETC.
6. DEFICIENCIES AND NON-CONFORMING ITEMS SHALL BE CORRECTED BY THE CONTRACTOR. FAILURE TO CORRECT SUCH ITEMS SHALL PERMIT THE OWNER TO CORRECT SAME AT A COST TO THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND PAYING FOR SAME. HE SHALL INCLUDE IN HIS BID CHARGES FOR ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE SPACE INCLUDING BUT NOT LIMITED TO LOCAL, COUNTY, OR STATE SERVICE CHARGES AND PERMIT FEES.
8. THE SCOPE OF WORK OF THIS CONTRACT INCLUDES, BUT SHALL NOT BE LIMITED TO:
 - A. PROVIDE AND INSTALL ALL EQUIPMENT, APPLIANCES, CONTROL DEVICES, ACCESSORIES, MATERIAL AND LABOR.
 - B. PROVIDE AND INSTALL ALL DUCTWORK, INSULATION, AIR DEVICES DUCT ACCESSORIES, MATERIAL AND LABOR
 - C. PROVIDE AND INSTALL ALL PIPING, FITTINGS, VALVES, INSULATION, ACCESSORIES , MATERIAL AND LABOR
 - D. PROVIDE AND INSTALL TOILET EXHAUST SYSTEM INDICATED.
 - E. CLEAN, TEST AND PUT INTO SERVICE ALL SYSTEMS SPECIFIED.
 - F. PROVIDE A BALANCE REPORT PREPARED BY AN INDEPENDENT AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR.
 - G. WARRANTY ALL WORK AND MATERIALS HEREIN SPECIFIED FOR A PERIOD OF NOT LESS THAN ONE YEAR.
9. MATERIALS
 - 9.1. ALL MATERIALS SHALL BE NEW AND OF RECOGNIZED COMMERCIAL QUALITY. USED MATERIALS WILL NOT BE PERMITTED.
 - 9.2. DUCTWORK

SHALL BE GALVANIZED SHEET METAL, FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF SMACNA - "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE".

DUCTWORK 18" WIDTH AND LARGER SHALL BE CROSS-BROKEN OR RIBBED AND STIFFENED SO THAT IT WILL NOT "BREATHE", RATTLE, VIBRATE OR SAG.
 - 9.3. FLEXIBLE DUCTWORK

FLEXIBLE DUCTS SHALL BE FLAT METAL SPIRAL WITH FLAME RESISTANCE PER NBFU AND NFPA STANDARDS. DUCTS SHALL HAVE INTEGRAL INSULATION 1" THICK, 3/4 LB. DENSITY GLASS FIBER ENCLOSED IN A VINYL VAPOR BARRIER. MINIMUM R VALUE = 5. SECURE INSULATED JACKET TO DUCT TAKEOFFS AND DIFFUSER COLLARS. MAXIMUM LENGTH OF FLEXIBLE DUCT IS 5'-0".

ALL FLEX DUCT SHALL BE FULLY STRETCHED OUT TO REDUCE AIR RESISTANCE.

CONNECTIONS TO FITTINGS OR AIR DEVICES SHALL BE MADE WITH TWO (2) STAINLESS STEEL BANDS. THE INNER LINER SHALL BE CLAMPED TIGHT WITH THE FIRST BAND, THEN THE INSULATION AND VAPOR-PROOF JACKET PULLED TO BE TIGHT AGAINST THE DUCT FITTING OR AIR DEVICE AND SECURED WITH THE SECOND BAND. INSTALLATION SHALL BE AS RECOMMENDED BY THE DUCT MANUFACTURER AND SMACNA

SUPPORT THE FLEXIBLE DUCT WITH ADEQUATE HANGERS TO RELIEVE STRAIN ON ANY FITTING. UNNECESSARY BENDS, SAGS, TWISTS, WILL NOT BE ALLOWED.
 - 9.4. DUCT INSULATION

INSULATION SUPPLY AND RETURN AIR DUCTWORK WITH MINIMUM R=6 FOR NON-CONDITIONED SPACE AND MIN R=12 FOR OUTSIDE DUCTS IN ACCORDANCE WITH THE STATE ENERGY CONSERVATION CODE. PROVIDE VAPOR BARRIER.

LINED DUCT SHALL BE LINED WITH 1" THICK COATED FIBERGLASS BOARD EQUAL TO JOHNS MANVILLE "PERMACOTEC" INSULATION. SHALL BE PER SMACNA STANDARDS AND MANUFACTURER'S INSTRUCTIONS. LINED DUCTWORK SHALL BE USED WHERE INDICATED ON DRAWING

ALL DUCT INSULATION SHALL BE UL LABELED FOR FIRE AND SMOKE RATINGS.

DUCT INSULATION SHALL BE EQUAL TO PRODUCTS MANUFACTURED BY CERTAINTED AND SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - 9.5. AIR DEVICES

CEILING DIFFUSERS SHALL HAVE A FRAME STYLE COMPATIBLE WITH THE TYPE OF CEILING USED. THE DIFFUSER FACE SIZE OR FACE PLATE SIZE SHALL BE OF THE SAME NORMAL SIZE AS THE CEILING MODULE. DIFFUSERS SHALL HAVE HIGH ANTI-SMUDGE CHARACTERISTICS. REFER TO AIR DEVICE SCHEDULE.
 - 9.6. PIPING AND FITTINGS

CONDENSATE DRAIN PIPING SHALL BE TYPE L COPPER WITH SOLDERED JOINTS AND WROUGHT COPPER FITTINGS.

10. EQUIPMENT

HVAC EQUIPMENT SHALL BE AS SCHEDULED ON THE DRAWINGS AND/OR SPECIFIED HEREIN. EQUIVALENT EQUIPMENT AND/OR COMPONENTS THEREOF MAY BE SUBSTITUTED FOR SPECIFIED EQUIPMENT ONLY AS APPROVED BY THE OWNER AND/OR THE PROJECT ENGINEER.

11. EXECUTION

11.1. GENERAL

ACCESSIBILITY - ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT ALL COMPONENTS REQUIRING ACCESS ARE LOCATED AND INSTALLED THAT THEY MAY BE SERVICED, RESET, REPLACED, OR RECALIBRATED, ETC., BY SERVICE PEOPLE WITH NORMAL SERVICE TOOLS AND EQUIPMENT.

WORK BY OTHER TRADES - FOR THE WORK REQUIRED BY OTHER TRADES FOR CHANGES MADE BY THIS CONTRACTOR IN TYPE OR SIZE OF EQUIPMENT PURCHASED, ANY CUTTING, PATCHING, FURRING, PAINTING, ELECTRICAL OR PLUMBING WORK SHALL BE DONE BY THE AFFECTED TRADE AT THIS CONTRACTOR'S EXPENSE.

EARLY START-UP - THIS CONTRACTOR SHALL ENSURE THAT ALL MECHANICAL EQUIPMENT IS CONNECTED WITH ELECTRICAL POWER AS EARLY AS POSSIBLE SO THAT BALANCING AND TESTING CAN BEGIN AT THE EARLIEST DATE AVAILABLE.

CLEANING AND PAINTING - THOROUGHLY CLEAN ALL EQUIPMENT AND REMOVE ALL TRASH, CARTONS, ETC., FROM THE WORK AREA. MAKE ANY NECESSARY CORRECTIONS OR REPAIR/ REPLACE ANY DAMAGED MATERIALS OR EQUIPMENT. LEAVE THE ENTIRE SPACE IN A THOROUGHLY CLEAN AND ORDERLY MANNER. ANY FINISHED SURFACES THAT HAVE BEEN SCRATCHED OR DISCOLORED SHALL BE TOUCHED UP OR REPAINTED TO MATCH THE ORIGINAL COLOR. IF ANY PART HAS BEEN BENT, BROKEN OR OTHERWISE DAMAGED, IT SHALL BE REPLACED PRIOR TO PROJECT CLOSEOUT. ALL METAL ITEMS INSIDE THE BUILDING SUBJECT TO RUSTING, AND ALL FERROUS METAL EXPOSED TO THE WEATHER SHALL BE GIVEN ONE COAT OF RUST PREVENTIVE PRIMER AS SOON AS INSTALLED.

11.2. EQUIPMENT INSTALLATION

ALL EQUIPMENT AND RELATED PIPING, DUCTWORK, CONTROL WIRING AND ACCESSORIES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES AND, IF INSTALLED WITHIN WITHIN THE BUILDING ENVELOPE SHALL BE INSTALLED AS HIGH AS POSSIBLE TO ALLOW THE MAXIMUM AMOUNT OF HEADROOM. EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE SUCH AS FILTER REPLACEMENT SHALL BE INSTALLED AND ARRANGED TO BE ACCESSIBLE. PROVIDE ACCESS PANEL(S) AS REQUIRED AND/OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED WITH THE REQUIRED CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER OR AS REQUIRED BY GOVERNING CODES, WHICHEVER IS GREATER.

11.3. DUCTWORK

LOW PRESSURE DUCTWORK AND FITTING SHALL BE MADE TIGHT FOR MINIMUM AIR LEAKAGE. DUCT TAPE SHALL NOT BE USED TO SEAL JOINTS. TO MAKE TRANSITIONS OR FOR ANY OTHER REASON ON THE OUTSIDE OF THE WRAPPED INSULATION

INSTALL DUCTWORK AS HIGH AS POSSIBLE.

PROVIDE TURNING VANES AT ALL CHANGES IN DIRECTION.

PROVIDE VANED TEES AT BRANCH CONNECTIONS SERVING MORE THAN ONE DIFFUSER

PROVIDE VOLUME CONTROL DAMPERS AND BALANCING DEVICES AS REQUIRED TO DISTRIBUTE THE AIR AND AS INDICATED ON THE DRAWINGS.

NOTE: DUCT DIMENSIONS INDICATED ON THE DRAWINGS ARE INSIDE CLEAR, OR "FREE AREA" DIMENSIONS, CONTRACTOR SHALL MAKE ALLOWANCE FOR INTERNAL DUCT LINER (WHERE SPECIFIED) WHEN ORDERING PRE-FABRICATED DUCTWORK OR WHEN FABRICATING DUCTS IN THE FIELD.

11.4. AIR DEVICES

INSTALL ALL GRILLES AND DIFFUSERS TO BE FLUSH WITH THE PENETRATED SURFACE AND LEVEL OR STRAIGHT WITH SURROUNDING FEATURES. ALL CEILING MOUNTED AIR DEVICES SHALL BE LOCATED IN THE CEILING TILE INDICATED ON THE DRAWINGS. AT THE PROPER HEIGHT TO HOLD IT SNUG AGAINST THE CEILING.

12. INSTALL ROOF MOUNTED EQUIPMENT SUPPORT RAILS OR ROOF CURB AS REQUIRED FOR THE JOB CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER FOR THE INSTALLATION OF ROOF MOUNTED EQUIPMENT.

ALL ROOF PENETRATIONS FOR POWER AND CONTROL WIRING CONDUITS AND GAS, CONDENSATE, OR REFRIGERANT PIPING SHALL BE MADE WITH WATERPROOF PIPE SLEEVES OR CURB(S).

13. THIS CONTRACTOR SHALL ENGAGE THE SERVICES OF AN AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR TO ADJUST AND COMPLETELY BALANCE THE INSTALLED SYSTEM(S) TO THE DESIGN AIR QUANTITIES. CONTRACTOR SHALL PROVIDE THE OWNER AND THE LANDLORD A COPY OF THE CERTIFIED AIR BALANCE REPORT SHOWING DESIGN AND MEASURED AIR QUANTITIES, STATIC PRESSURES, FAN MOTOR RPM AND MOTOR CURRENT, DEVIATION BETWEEN DESIGN AND MEASURED QUANTITIES SHALL NOT BE GREATER THAN 10%.

14. ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.

FOR THE SAME PERIOD, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE PREMISES BY DEFECTS IN HIS WORKMANSHIP OR WORK AND/OR EQUIPMENT INSTALLED BY OTHERS UNDER HIS CONTRACT.

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95 Nutrition

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ISSUE:

MEP Progress

01.17.2020

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JOB CAPT. _____ INTERIORS N. Catuzza

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SCHEDULES AND SPECIFICATIONS



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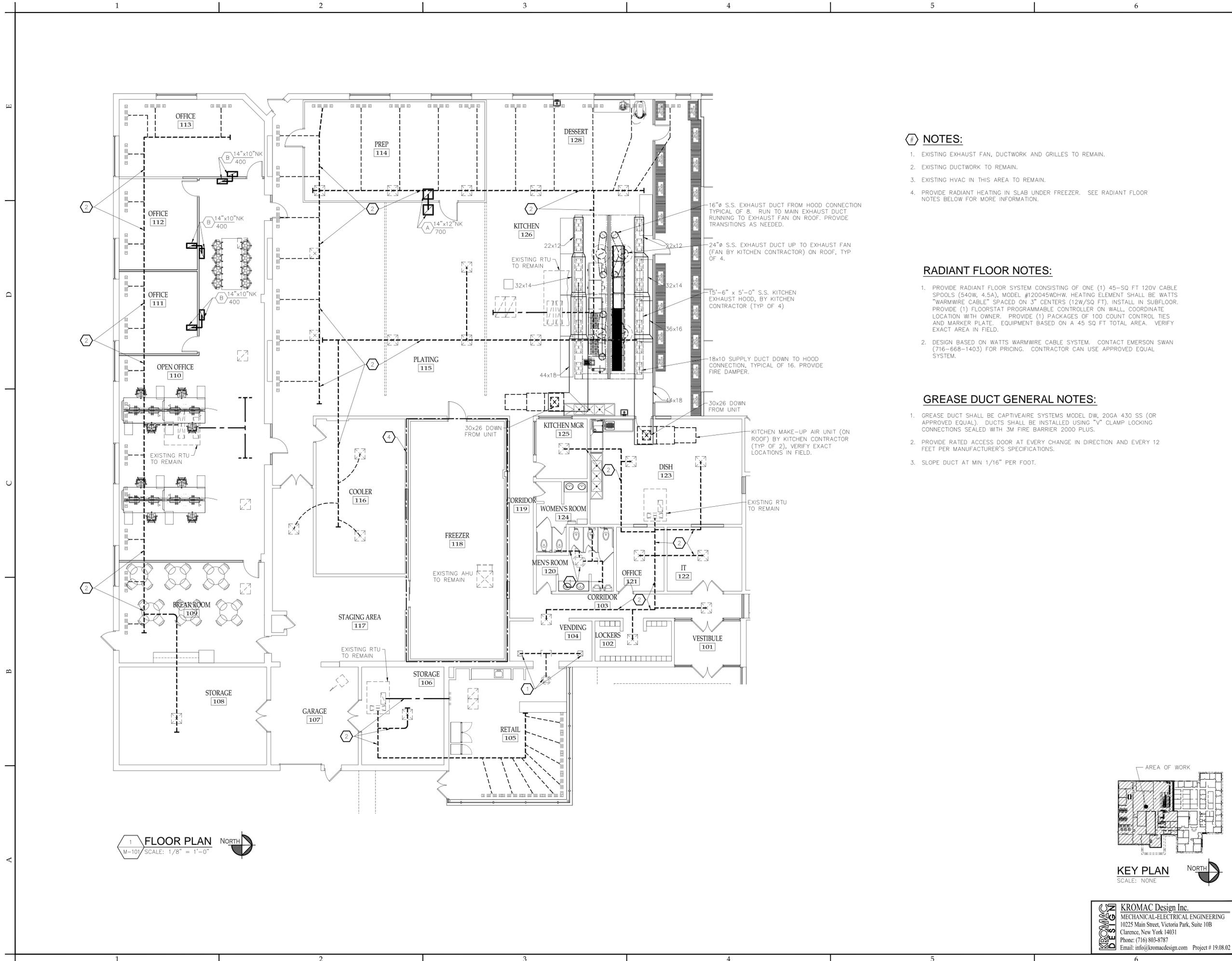
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M-100



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NOTES:

- EXISTING EXHAUST FAN, DUCTWORK AND GRILLES TO REMAIN.
- EXISTING DUCTWORK TO REMAIN.
- EXISTING HVAC IN THIS AREA TO REMAIN.
- PROVIDE RADIANT HEATING IN SLAB UNDER FREEZER. SEE RADIANT FLOOR NOTES BELOW FOR MORE INFORMATION.

RADIANT FLOOR NOTES:

- PROVIDE RADIANT FLOOR SYSTEM CONSISTING OF ONE (1) 45'-SQ FT 120V CABLE SPOOLS (540W, 4.5A), MODEL #120045WDHW. HEATING ELEMENT SHALL BE WATTS "WARMWIRE CABLE" SPACED ON 3" CENTERS (12W/SQ FT). INSTALL IN SUBFLOOR. PROVIDE (1) FLOORSTAT PROGRAMMABLE CONTROLLER ON WALL, COORDINATE LOCATION WITH OWNER. PROVIDE (1) PACKAGES OF 100 COUNT CONTROL TIES AND MARKER PLATE. EQUIPMENT BASED ON A 45 SQ FT TOTAL AREA. VERIFY EXACT AREA IN FIELD.
- DESIGN BASED ON WATTS WARMWIRE CABLE SYSTEM. CONTACT EMERSON SWAN (716-668-1403) FOR PRICING. CONTRACTOR CAN USE APPROVED EQUAL SYSTEM.

GREASE DUCT GENERAL NOTES:

- GREASE DUCT SHALL BE CAPTIVEAIRE SYSTEMS MODEL DW, 20GA 430 SS (OR APPROVED EQUAL). DUCTS SHALL BE INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS.
- PROVIDE RATED ACCESS DOOR AT EVERY CHANGE IN DIRECTION AND EVERY 12 FEET PER MANUFACTURER'S SPECIFICATIONS.
- SLOPE DUCT AT MIN 1/16" PER FOOT.

FLOOR PLAN
M-101 SCALE: 1/8" = 1'-0" NORTH



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FLOOR PLAN



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SA JOB #: 19071.01 DATE:

DRAWING #: **M-101**

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SYMBOL	DRAINAGE		WATER			REMARKS
			SAN	VENT	DCW	DHW	TW	
FD1	FLOOR DRAIN -SEE PLAN FOR SIZE -		4"	2"	-	-	-	MANUFACTURER: MIFAB MODEL: F1100 -ROUND ADJUSTABLE STRAINER -STAINLESS STEEL STRAINER -
FD2	FUNNEL FLOOR DRAIN -SEE PLAN FOR SIZE -		4"	2"	-	-	-	MANUFACTURER: MIFAB MODEL: F1100 -ROUND ADJUSTABLE STRAINER WITH FUNNEL -STAINLESS STEEL STRAINER -
SS1	QUAD CLOSE TRAP SEAL WATERLESS TRAP PRIMER -TO ALL FLOOR DRAINS -		4"	-	-	-	-	MANUFACTURER: JR SMITH CO. MODEL: 2692-04 WATERLESS TRAP PRIMER, ASSE-1072 AF-GW, ASPE & PDI APPROVED
FS1	FLOOR SINK -		3"	2"	-	-	-	MANUFACTURER: MIFAB MODEL: FS11730-FL (9"x9"x8" HALF GRATE) DEEP CAST IRON
WH1	WATER HEATER -TANK WATER HEATER -NATURAL GAS -		-	-	1"	1"	-	

NOTE:
ALL PLUMBING FIXTURES AND ASSOCIATED EQUIPMENT TO BE APPROVED BY OWNER/REPRESENTATIVE PRIOR TO ORDERING EQUIPMENT.

WATER HAMMER ARRESTER

UNITS	FIXTURE UNITS	PIPE SIZE	REMARKS
A	1 - 11	1/2"	INSTALL PER PDI
B	12 - 32	3/4"	INSTALL PER PDI
C	33 - 60	1"	INSTALL PER PDI
D	61 - 113	1-1/4"	INSTALL PER PDI
E	114 - 154	1-1/2"	INSTALL PER PDI
F	155 - 330	2"	INSTALL PER PDI

NOTE:
INSTALL WATER HAMMER ARRESTER ON ALL AUTO SHUT-OFF WATER LINES. (FLUSH VALVES AND FAUCETS)

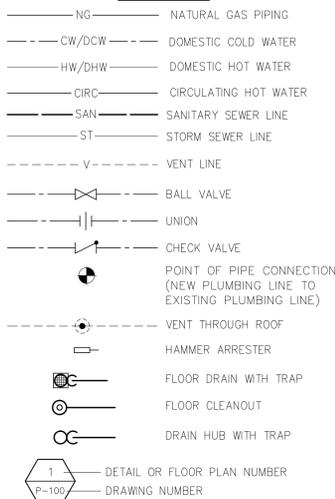
VENT PIPING SIZING TABLE

TO COMBINE VENTS FOR MINIMAL VENT THRU ROOF PENETRATIONS, USE THE FOLLOWING

FIXTURE	VENT FIXTURE UNITS
WATER CLO.S	3
LAVATORIES	1
BATHTUB/SHOWER	2
KITCHEN SINK	2
CLOTHES WASHER	2
MOP SINK	3
FLOOR DRAIN	3
WATER COOLER	1

PIPE	MAX. FIXTURE UNITS	REMARKS
4"	256	
3"	84	
2-1/2"	48	
2"	24	
1-1/2"	8	DO NOT USE FOR WATER CLO.

LEGEND



ABBREVIATIONS

- CW - DOMESTIC COLD WATER
- HW - DOMESTIC HOT WATER
- CIRC - CIRCULATING HOT WATER
- CO - CLEANOUT
- NG - NATURAL GAS
- SAN - SANITARY SEWER
- V - VENT
- VTR - VENT THROUGH ROOF
- FCO - FLOOR CLEANOUT
- WCO - WALL CLEANOUT
- POC - POINT OF CONNECTION
- SOV - SHUTOFF VALVE
- AFF - ABOVE FINISHED FLOOR
- BFF - BELOW FINISHED FLOOR
- CFH - CUBIC FEET PER HOUR
- PDI - PLUMBING DRAINAGE INSTITUTE
- GW - GREASE WASTE

GENERAL PLUMBING NOTES

- PROVIDE ALL NECESSARY VALVES, TRAP, FLOW CONTROLS, FILTERS, BACKFLOW PREVENTERS, FAUCETS, STOPS, TAIL PIECES, VACUUM BREAKERS, ETC. IF NOT FURNISHED ON OR WITH EQUIPMENT.
- PROVIDE PRESSURE REDUCING VALVES FOR ALL HOT AND COLD WATER LINES. SERVICING EQUIPMENT IF PRESSURE EXCEEDS 40 PSI. PROVIDE PRESSURE REDUCING VALVE FOR DISHWASHER AS RECOMMENDED BY MANUFACTURER.
- PROVIDE APPROVED CHROME PLATED TYPE VACUUM BREAKERS WHERE REQUIRED BY GOVERNING AUTHORITIES, CODE AND AS SHOWN ON DRAWINGS.
- COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC. OF ALL ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING.
- COORDINATE WITH ARCHITECTURAL, KITCHEN EQUIPMENT SUPPLIER, ELECTRICAL, MECHANICAL, FIRE SUPPRESSION AND ALL OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
- FLUSH OUT ALL UTILITY PIPING AND DRAIN LINES PRIOR TO CONNECTION OF FOOD EQUIPMENT.
- DO ROUGH-IN FOR FLOOR SINKS CONSISTING OF A 20"x20" BLOCK OUT PRIOR TO POURING CONCRETE AND INSTALL FLOOR SINKS AFTER CONCRETE IS POURED. CONCRETE FILL IN BY GENERAL CONTRACTOR.
- INSTALL BACKFLOW PREVENTION DEVICE FOR COFFEE MAKERS AND SODA FOUNTAIN.
- INSTALLATION SHALL CONFORM TO THE ENERGY CONSERVATION DESIGN MANUAL STANDARDS FOR NEW NON-RESIDENTIAL BUILDINGS.
- CONTRACTOR SHALL VERIFY DEPTH, SIZE AND LOCATION OF ALL EXISTING UTILITIES IN FIELD PRIOR TO STARTING WORK.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES.
- ALL PLUMBING WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS OF AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL APPROVALS REQUIRED FROM REGULATING AGENCIES PRIOR TO STARTING WORK.
- CONTRACTOR TO PROVIDE ALL CONDENSATE DRAIN LINES FROM HVAC UNITS TO APPROVED RECEPTOR WITH 2 x DIA. OF PIPE AIR GAP AND GAS PIPING TO UNITS AND MAKE ALL REQUIRED FINAL CONNECTIONS.
- OBTAIN AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- SANITARY PIPING BELOW SLAB INSIDE BUILDING SHALL BE SERVICE WEIGHT COATED CAST IRON HUBLESS PIPE AND FITTING, COPPER TYPE "K". NO PVC OR ABS ALLOWED.
- CONDENSATE DRAIN PIPING SHALL BE PVC SCHEDULE 40. WHERE EXPOSED INSIDE THE BUILDING, PAINT TO MATCH SURROUNDING APPEARANCES.
- INSULATE DOMESTIC HOT AND COLD WATER PIPING WITH 1/2" THICK AEROTUBE OR APPROVED EQUAL. INCREASE THICKNESS AS REQUIRED BY CODES.
- REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN AND SCHEDULE AND FOR ADDITIONAL WORK TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
- INSTALL SHUT-OFF VALVE FOR ALL HOT AND COLD WATER LINES. ALL EXPOSED LINES SHALL BE CHROME PLATED.
- ALL DRAIN, GAS AND WATER LINES SHALL BE KEPT TIGHT TO UNDERSIDE OF EQUIPMENT AND SECURED IN PLACE.
- ALL DRAIN LINES FROM PREP LINE TO BE PIPED SEPARATELY TO FLOOR SINK, FLOOR DRAINS OR FUNNEL DRAINS.
- ALL DRAINS SHALL BE PROVIDED WITH P-TRAPS.
- SANITARY SEWER PIPING SHOWN IS BASED ON 0.125"/FT FOR 3"-6" & 0.25"/FT FOR 2 1/2" OR LESS FOR ALL PIPING. COORDINATE BUILDING SEWER LOCATION AND INVERT ELEVATION WITH CIVIL DRAWINGS.
- THE EQUIPMENT ROUGH-IN AS SHOWN ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, THE OWNER OR SUPPLIER MAY SUBSTITUTE OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY ON THE CONTRACTOR.

GENERAL NOTES:

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.
- DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ARCHITECT/ENGINEER.
- ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS CONTRACT. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.

PLUMBING SPECIFICATIONS

DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

PLUMBING WORK SHALL BE AS INDICATED ON THE PLANS AND AS HEREIN SPECIFIED. WORK SHALL CONSIST OF PROVIDING A COMPLETE AND OPERATIONAL SYSTEM INCLUDING ALL FIXTURES, PIPING, VALVES, AND OTHER REQUIRED DEVICES, EQUIPMENT, ETC. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS. WHERE THERE ARE CONFLICTS BETWEEN THE PLANS, SPECIFICATIONS, AND CODE REQUIREMENTS, THE CONTRACTOR SHALL MAKE ANY ADJUSTMENTS AS REQUIRED FOR COMPLIANCE WITH ALL CODES AND FOR APPROVAL OF THE SYSTEM. THE SYSTEM SHALL EXTEND TO AND CONNECT INTO THE EXISTING PROJECT WATER AND WASTE SYSTEM AS INDICATED ON THE DRAWINGS.

WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE DRAWINGS BY REFERENCE TO MANUFACTURERS' OR VENDORS NAMES, TRADE NAMES, CATALOG NUMBERS, OR THE LIKE, IT IS SO IDENTIFIED FOR THE PURPOSE OF ESTABLISHING A STANDARD, AND ANY MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT OF OTHER MANUFACTURERS OR VENDORS WHICH WILL PERFORM ADEQUATELY THE DUTIES IMPOSED BY THE GENERAL DESIGN WILL BE CONSIDERED EQUALLY ACCEPTABLE PROVIDED THE MATERIAL, ARTICLE OR PIECE OF EQUIPMENT SO PROPOSED IS, IN THE OPINION OF THE ARCHITECT/ENGINEER, OF EQUAL SUBSTANCE, APPEARANCE, AND FUNCTION. THE MATERIAL, ARTICLE OR PIECE OF EQUIPMENT SHALL NOT BE PURCHASED OR INSTALLED BY THE CONTRACTOR WITHOUT THE ARCHITECT'S/ ENGINEER'S WRITTEN APPROVAL.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL, SHOP DRAWINGS AND/OR MANUFACTURERS SUBMITTAL DATA WITH CAPACITY AND CHARACTERISTICS OF ALL MATERIAL AND EQUIPMENT FOR APPROVAL PRIOR TO PURCHASE AND OR INSTALLATION OF THE WORK. A MINIMUM OF FIVE (5) COPIES SHALL BE SUBMITTED. SUBMITTALS SHALL BE IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.

THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BEGINNING WORK FOR THE PURPOSE OF OBSERVING EXISTING CONDITIONS AND TO DETERMINE THE EXTENT OF THE WORK. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR PROVIDING ALL MATERIAL, EQUIPMENT, AND LABOR AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, AND ALL CODE REQUIREMENTS.

ALL WATER PIPING SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS. JOINTS SHALL BE SOLDERED WITH LEAD FREE SOLDER OR CPVC. ALL EXPOSED PIPING SHALL BE CHROME PLATED. WASTE AND VENT SHALL BE SERVICE WEIGHT CAST IRON WITH EITHER NO-HUB OR "CHARLOTTE SEAL" JOINTS. NO-HUB JOINTS ARE NOT PERMITTED BELOW GRADE OR PVC. ALL EQUIPMENT REQUIRING PLUMBING CONNECTIONS SHALL BE CONNECTED BY THE PLUMBER REGARDLESS OF WHO PROVIDES THE EQUIPMENT OR FIXTURE. UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER OR DUCTILE IRON.

HUBLESS CAST IRON SOIL RESTRAINTS - HOLDRITE #117 SERIES MEETS CISPI INSTALLATION GUIDELINES.

ALL HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH A MINIMUM OF R-3 OR AS REQUIRED BY CODE. ALL JOINTS SHALL BE LAPPED AND SEALED WITH AN APPROVED TYPE ADHESIVE AND END STRIPS AS RECOMMENDED BY THE INSULATION SUPPLIER AND/OR MANUFACTURER.

HORIZONTAL STORM/SEWER PIPING ABOVE GRADE SHALL BE INSULATED WITH A MINIMUM OF R-3 OR AS REQUIRED BY CODE. ALL JOINTS SHALL BE LAPPED AND SEALED WITH AN APPROVED TYPE ADHESIVE AND END STRIPS AS RECOMMENDED BY THE INSULATION SUPPLIER AND/OR MANUFACTURER. (TO AVOID CONDENSATION) DRAIN HUBS TO BE INSULATED.

VACUUM BREAKERS SHALL BE PROVIDED FOR ALL HOSE CONNECTIONS AND OTHER POINTS WHERE CROSS CONTAMINATION CAN OCCUR. REDUCED PRESSURE BACKFLOW PREVENTERS SHALL BE PROVIDED WHERE REQUIRED BY CODE. ALL FIXTURES, HOSE BIBBS, FLOOR DRAINS, ETC., SHALL BE PROVIDED AS INDICATED AND SCHEDULED ON THE PLANS. THE SYSTEM SHALL BE TESTED, CLEANED, AND DISINFECTED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.

THE ENTIRE PLUMBING SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED FOR ONE (1) YEAR FROM ACCEPTANCE BY THE OWNER. ALL GUARANTEES SHALL BE WRITTEN, DATED, AND FORWARDED TO THE OWNER. ALL DEFECTIVE EQUIPMENT AND/OR MATERIAL SHALL BE REPLACED AT NO EXPENSE TO THE OWNER.

AT THE CONTRACTOR'S OPTION, PVC MAY BE UTILIZED ABOVE GRADE IN CONCEALED LOCATIONS FOR DWV SYSTEM, SUBJECT TO CODE COMPLIANCE. APPROVAL FROM OWNER/TENANT OR LOCAL INSPECTOR IS REQUIRED.

AT THE CONTRACTOR'S OPTION, PEX PIPING MAY BE UTILIZED ABOVE GRADE SUBJECT TO CODE COMPLIANCE. APPROVAL FROM OWNER/TENANT OR LOCAL INSPECTOR IS REQUIRED. PEX-A (UPONOR-PEX-A TUBING) PIPING AND FITTINGS (UPONOR F1960)
NOTE: STANDARD PEX PIPING REQUIRES A ONE SIZE INCREASE IN ALL PIPING. IF USING COLD EXPANSION PEX, UPSIZING NOT REQUIRED.

PVC/CPVC PIPING SHALL HAVE A FLAME SPREAD RATING LESS THAN 25 AND A SMOKE DEVELOPMENT RATING LESS THAN 50.

GAS PIPING - SCHEDULE 40 BLACK STEEL WITH MALLEABLE SREWED FITTING IN SIZE UP TO 3". OVER 3" TO BE SCHEDULE 40 BLACK STEEL WITH WELDED FITTINGS.

NATURAL GAS PIPING - COORDINATE ALL NEW GAS LINES ROUTING PER PLANS IN FIELD. PAINT EXTERIOR GAS PIPING AND SUPPORTS TWO COATS EXTERIOR ENAMEL.

FIRE STOPPING PROVIDED FOR PLASTIC PIPE PENETRATIONS SHALL BE HOLDRITE HYDROFLAME NON-METALLIC CAST-IN-PLACE SLEEPING SYSTEMS FOR CORRUGATED DECKS, WOOD FORMED DECKS AND CONCRETE WALLS.

ALL PLUMBING SERVICE PIPING USE ON PROJECT TO MEET ALL STATE AND LOCAL CODES. COORDINATE USE OF PVC PIPING ABOVE AND BELOW GRADE WITH LOCAL AUTHORITIES PRIOR TO WORK START-UP. (NATURAL GAS, WASTE, STORM, VENT, DOMESTIC HOT, COLD AND CIRCULATING WATER LINES)

NOTE:
REFER TO 7/P-104 FOR CONDENSATE PIPING TO MECHANICAL/PLUMBING EQUIPMENT.

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MEP Progress 01.17.2020

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TITLE:

SCHEDULES AND SPECIFICATIONS



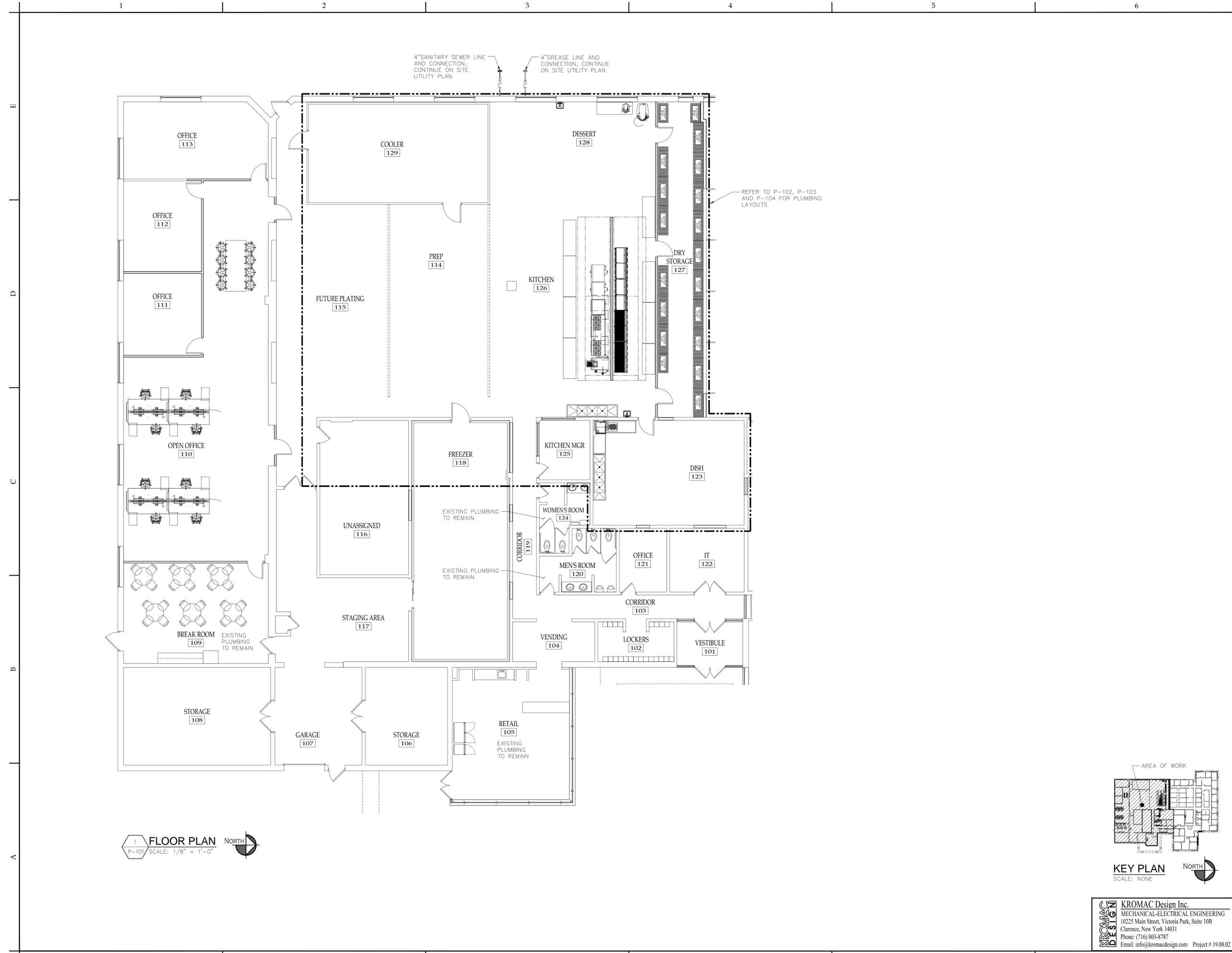
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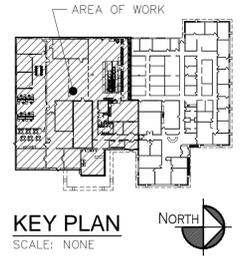
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DRAWING #: P-100

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FLOOR PLAN
 P-101 SCALE: 1/8" = 1'-0" NORTH



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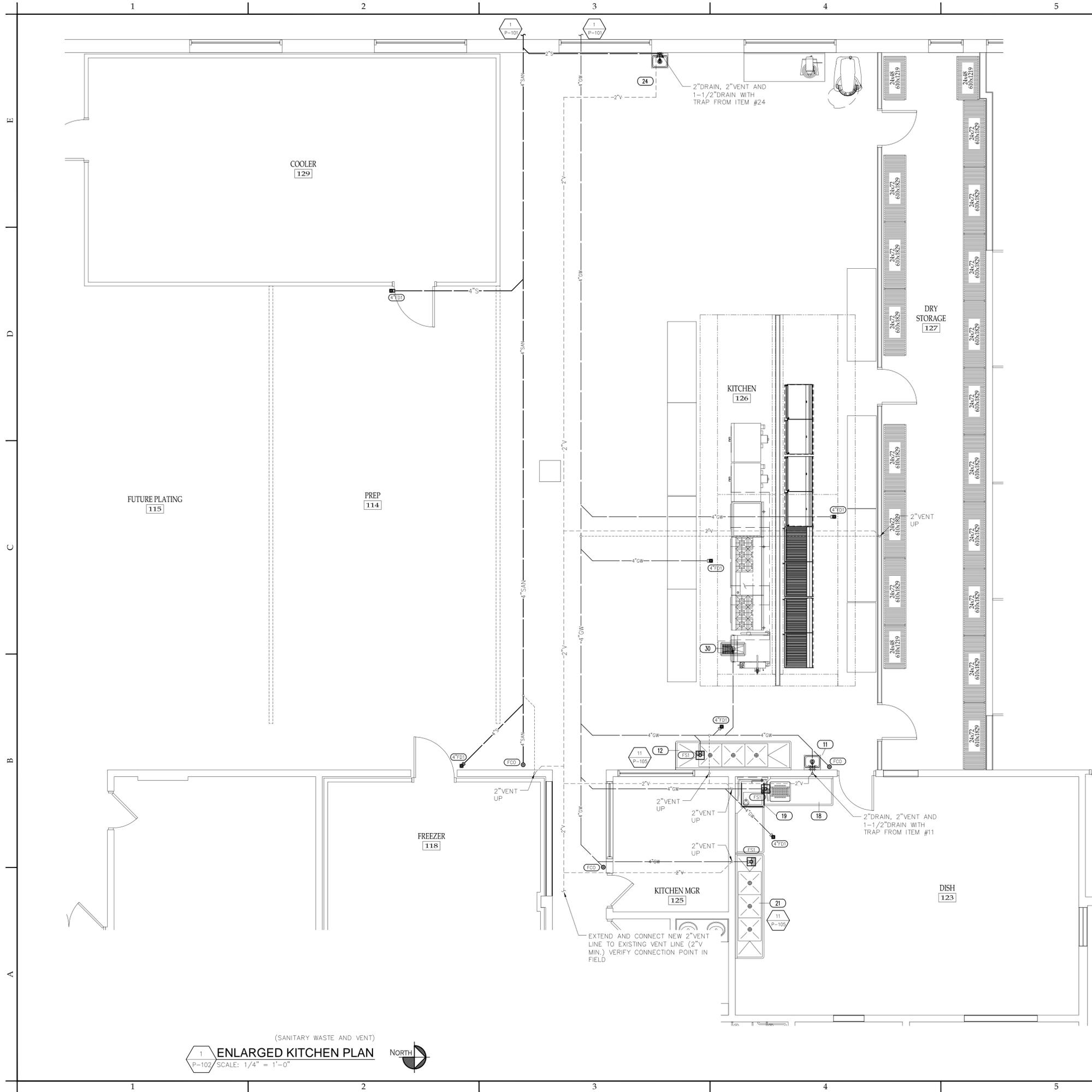
TITLE:
FLOOR PLAN



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SA JOB #: 19071.01 DATE:

DRAWING #: **P-101**



(SANITARY WASTE AND VENT)
ENLARGED KITCHEN PLAN
 P-102 SCALE: 1/4" = 1'-0"
 NORTH

PLUMBING SCHEDULE										
Item No	Equipment Category	Cold Water Size (in)	Cold Water AFF (in)	Hot Water Size (in)	Hot Water AFF (in)	Direct Drain Size (in)	Direct Drain AFF (in)	Indir Drain Size (in)	Gas Size (in)	MBTUH
1	60" RANGE (EXISTING)									268
2	DOUBLE CONVECTION OVEN									88
3	DOUBLE CONVECTION OVEN (EXISTING)									88
4	GRIDDLE									84.9
5	GRIDDLE									84.9
7.3	MAKE-UP AIR FAN									560
8.3	MAKE-UP AIR FAN									560
11	HAND SINK	1/2	16	1/2	16	1 1/2	24			
12	THREE BAY SINK	1/2	16	1/2	16			1 1/2		
13	CHARBROILER									120
14	CHARBROILER									120
18	SOILED DISHTABLE	1/2	16	1/2	16	1 1/2	24			
19	LOW TEMP DISHWASHER			3/4	66					
21	THREE BAY SINK	1/2	16	1/2	16			1 1/2		
24	HAND SINK	1/2	16	1/2	16	1 1/2	24			
28	8-BURNER RANGE (EXISTING)									215
29	30 GAL. TILT SKILLET	1/2	23	1/2	23					
30	FLOOR TROUGH					4	3			
31	GRIDDLE TOP RANGE (EXISTING)									215

- GENERAL NOTES:**
- COORDINATE LOCATIONS OF ALL EQUIPMENT WITH ARCHITECTURAL PLANS AND DETAILS PRIOR TO FINAL CONNECTIONS.
 - VERIFY REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION AND CONNECTION WITH EQUIPMENT PURCHASED. (PLUMBING SERVICES)

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 JOB CAPT. _____ INTERIORS N.Catuzza

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TITLE:
**ENLARGED FLOOR PLAN
 SANITARY WASTE**



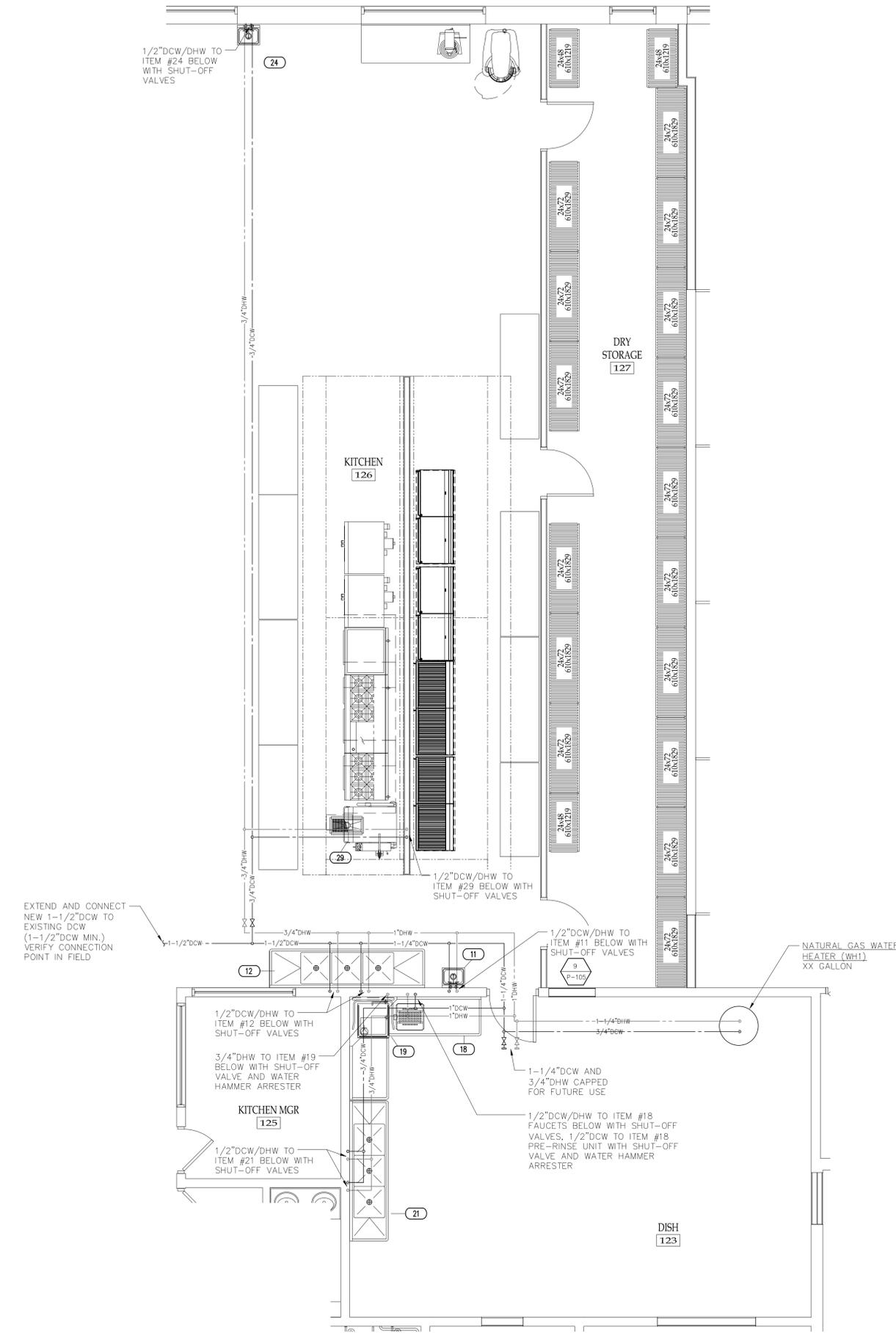
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SA JOB #: **19071.01** DATE:

DRAWING #: **P-102**

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1 ENLARGED KITCHEN PLAN
P-103 SCALE: 1/4" = 1'-0"
NORTH

PLUMBING SCHEDULE										
Item No	Equipment Category	Cold Water Size (in)	Cold Water AFF. (in)	Hot Water Size (in)	Hot Water AFF. (in)	Direct Drain Size (in)	Indir Drain Size (in)	Gas Size (in)	MBTUH	Gas AFF. (in)
1	60" RANGE (EXISTING)							1	268	20
2	DOUBLE CONVECTION OVEN							3/4	88	20
3	DOUBLE CONVECTION OVEN (EXISTING)							3/4	88	20
4	GRIDDLE							3/4	84.9	20
5	GRIDDLE							3/4	84.9	20
7.3	MAKE-UP AIR FAN							1	560	
8.3	MAKE-UP AIR FAN							1	560	
11	HAND SINK	1/2	1/2	1/2	1/2	1/2	3/4			
12	THREE BAY SINK	1/2	1/2	1/2	1/2		1 1/2			
13	CHARBROILER							3/4	120	20
14	CHARBROILER							3/4	120	20
18	SOLED DISHTABLE	1/2	1/2	1/2	1/2	1 1/2	3/4			
19	LOW TEMP DISHMACHINE			3/4	6/8					
21	THREE BAY SINK	1/2	1/2	1/2	1/2		1 1/2			
24	HAND SINK	1/2	1/2	1/2	1/2	1 1/2	3/4			
28	6-BURNER RANGE (EXISTING)							3/4	215	20
29	30 GAL. TILT SKILLET	1/2	23	1/2	23					
30	FLOOR TROUGH					4	3			
31	GRIDDLE TOP RANGE (EXISTING)							3/4	215	20

GENERAL NOTES:

- COORDINATE LOCATIONS OF ALL EQUIPMENT WITH ARCHITECTURAL PLANS AND DETAILS PRIOR TO FINAL CONNECTIONS.
- VERIFY REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION AND CONNECTION WITH EQUIPMENT PURCHASED. (PLUMBING SERVICES)

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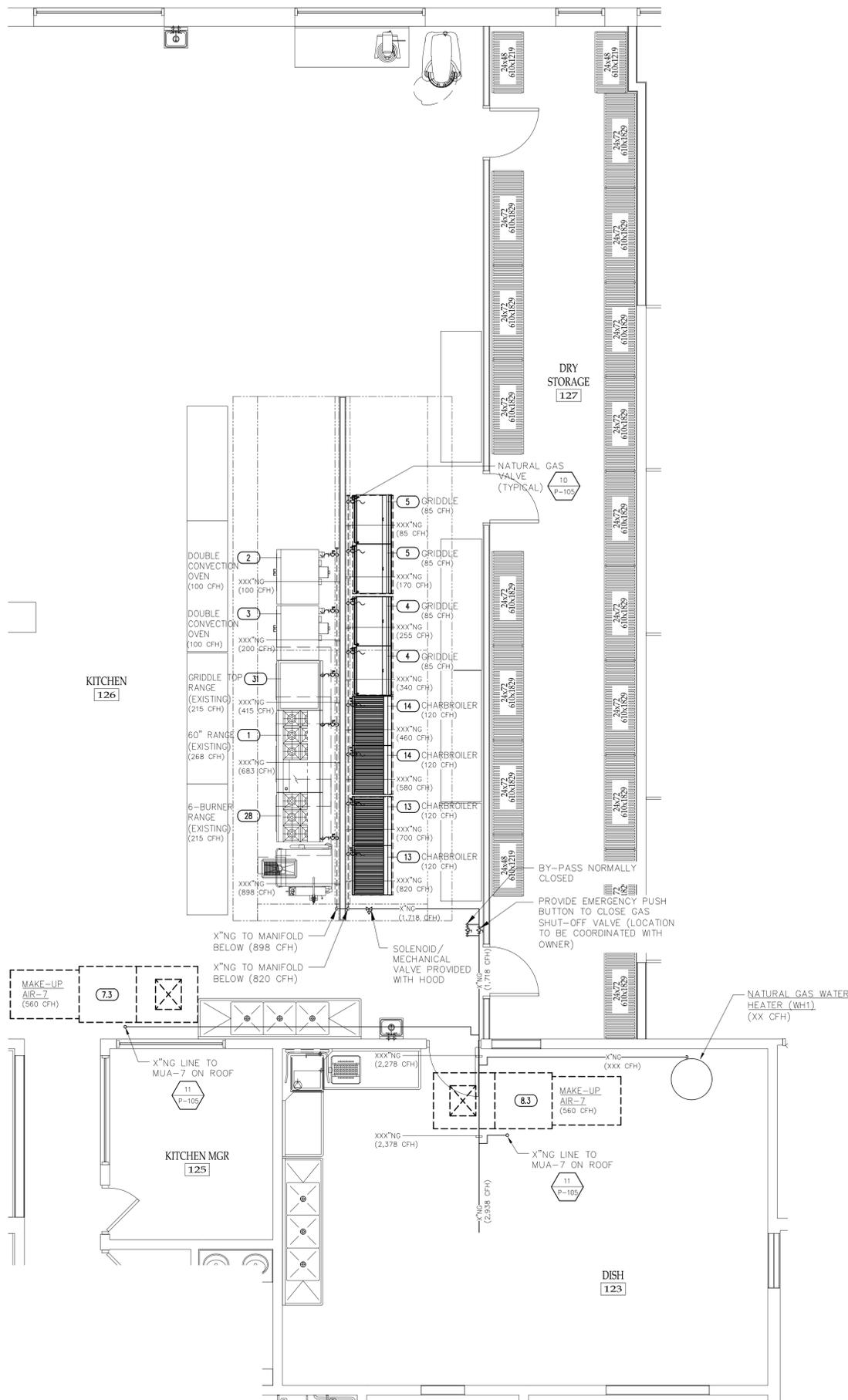
TITLE:
ENLARGED FLOOR PLAN DOMESTIC WATER

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NATURAL GAS NOTES

1. PROVIDE GAS VALVE, DIRT LEG, AND UNION AT EACH EQUIPMENT.
2. PAINT ALL EXPOSED GAS PIPING (1) COAT PRIMER (2) COATS YELLOW FINISH. (EXPOSED TO OUTSIDE)
3. GAS SIZING BASED ON MINIMUM GAS PRESSURE OF 4" TO 9" WC DOWNSTREAM OF GAS METER WITH A PRESSURE DROP OF 0.5 AND A TOTAL LENGTH OF XXX'-0".
4. REFER TO 10/P-105 FOR GAS LINE CONNECTIONS TO EQUIPMENT.
5. PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF MAIN GAS IN GAS METER BANK WITH GAS COMPANY. PROVIDE ALL COST FOR GAS CONNECTION, FROM METER SETTING WITH PLUMBING BID.
6. INSTALL NATURAL GAS PIPING AS HIGH AS POSSIBLE IN TENANT SPACE.
7. COORDINATE ALL NATURAL GAS CONNECTIONS SIZES WITH EQUIPMENT PURCHASED BY OWNER, PRIOR TO FINAL GAS LINE CONNECTIONS.

EQUIPMENT GAS LOADS

KITCHEN EQUIPMENT GAS LOADS

ITEM #	QTY	EQUIPMENT	BTU
1	1	60" RANGE	268,000
2	1	DOUBLE CONVECTION OVEN	100,000
3	1	DOUBLE CONVECTION OVEN	100,000
4	2	36" GRIDDLE (84,900 BTU)	169,800
5	2	36" GRIDDLE (84,900 BTU)	169,800
13	2	36" CHARBROILER (120,000 BTU)	240,000
14	2	36" CHARBROILER (120,000 BTU)	240,000
28	1	6-BURNER RANGE	215,000
31	1	GRIDDLE TOP RANGE	215,000
KITCHEN EQUIPMENT TOTAL			1,717,600 BTU

OTHER EQUIPMENT GAS LOADS

ITEM #	QTY	EQUIPMENT	BTU
WH1	1	WATER HEATER	XXX,000
7.3	1	MAKE-UP AIR FAN	560,000
8.3	1	MAKE-UP AIR FAN	560,000
TOTAL CONNECTED EQUIPMENT			2,937,600 BTU (2,937.6 CFH)

PLUMBING SCHEDULE

Item No	Equipment Category	Cold Water Size (in)	Hot Water Size (in)	Hot Water Size (in)	Hot Water Size (in)	Direct Drain Size (in)	Direct Drain Size (in)	Direct Drain Size (in)	Direct Drain Size (in)	Gas Size (in)	NBTUH	Gas (AFF) (in)
1	60" RANGE (EXISTING)									1	268	20
2	DOUBLE CONVECTION OVEN									3/4	88	20
3	DOUBLE CONVECTION OVEN (EXISTING)									3/4	88	20
4	GRIDDLE									3/4	84.9	20
5	GRIDDLE									3/4	84.9	20
7.3	MAKE-UP AIR FAN										1	560
8.3	MAKE-UP AIR FAN										1	560
11	HAND SINK	1/2	1/2	1/2	1/2	1 1/2	24					
12	THREE BAY SINK	1/2	1/2	1/2	1/2			1 1/2				
13	CHARBROILER									3/4	120	20
14	CHARBROILER									3/4	120	20
18	SOILED DISHTABLE	1/2	1/2	1/2	1/2	1 1/2	24					
19	LOW TEMP DISHMACHINE					3/4	66					
21	THREE BAY SINK	1/2	1/2	1/2	1/2			1 1/2				
24	HAND SINK	1/2	1/2	1/2	1/2	1 1/2	24					
28	6-BURNER RANGE (EXISTING)									3/4	215	20
29	30 GAL TILT SKILLET	1/2	1/2	1/2	1/2							
30	FLOOR TROUGH					4	3					
31	GRIDDLE TOP RANGE (EXISTING)									3/4	215	20

GENERAL NOTES:

- COORDINATE LOCATIONS OF ALL EQUIPMENT WITH ARCHITECTURAL PLANS AND DETAILS PRIOR TO FINAL CONNECTIONS.
- VERIFY REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION AND CONNECTION WITH EQUIPMENT PURCHASED. (PLUMBING SERVICES)

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JOB CAPT. _____ INTERIORS N.Catuzza _____

SEAL:

TITLE:
ENLARGED FLOOR PLAN NATURAL GAS

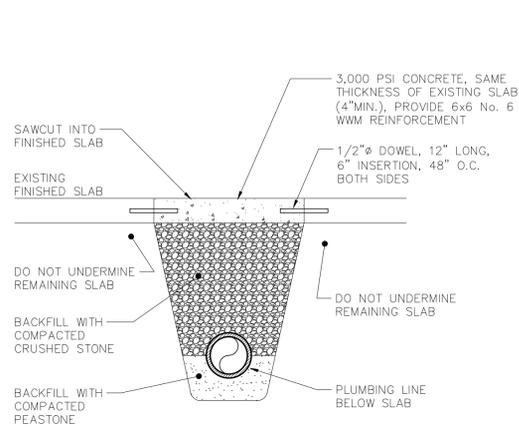


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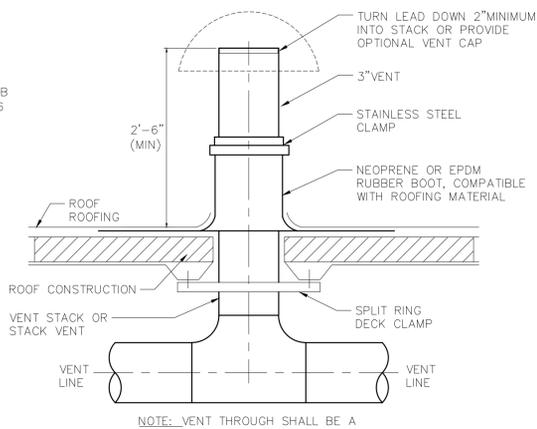
DRAWING #: P-104

(NATURAL GAS)
ENLARGED KITCHEN PLAN
P-104 SCALE: 1/4" = 1'-0"
NORTH

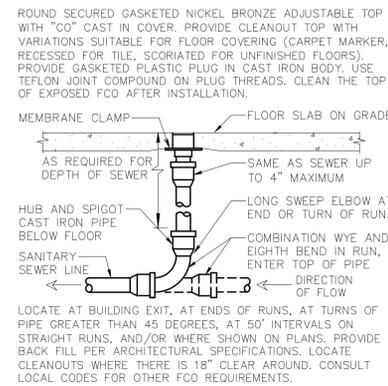
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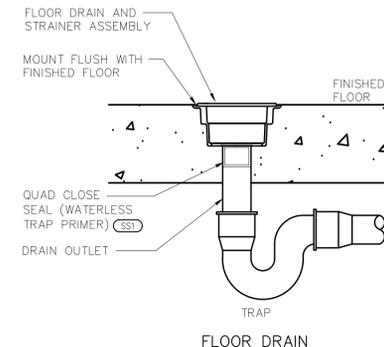
1 TRENCH/SLAB REPAIR DETAIL
P-105 SCALE: NONE



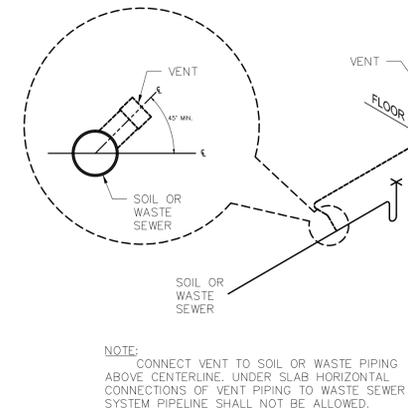
2 VENT THRU ROOF DETAIL
P-105 SCALE: NONE



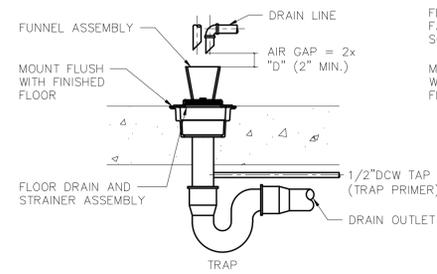
3 FLOOR CLEANOUT DETAIL
P-105 SCALE: NONE



4 FLOOR DRAIN SURE SEAL DETAIL
P-105 SCALE: NONE



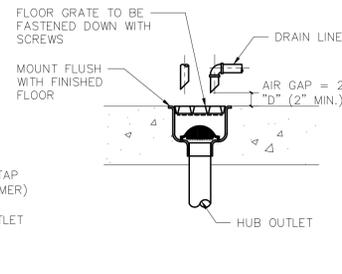
5 VENT PIPE INSTALLATION
P-105 SCALE: NONE



FUNNEL FLOOR DRAIN

NOTE:

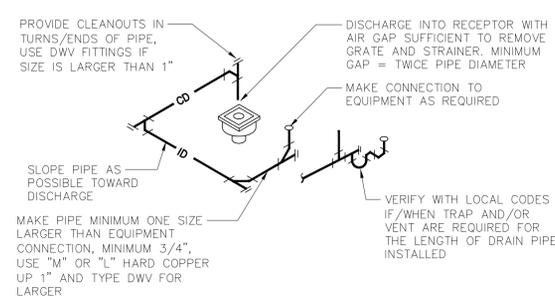
A. PROVIDE OPENING IN DRAIN COVER FLUSH WITH TILE OR FLUSH WITH CONCRETE FLOOR IN AREA WITH NO TILE.



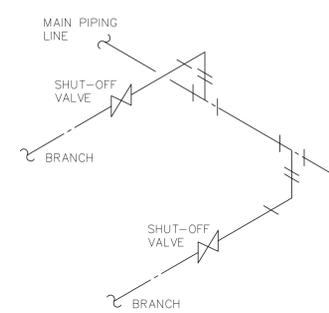
FLOOR SINK

NOTE:

A. PROVIDE OPENING IN DRAIN GRATE (PREVENT SPLASHING).

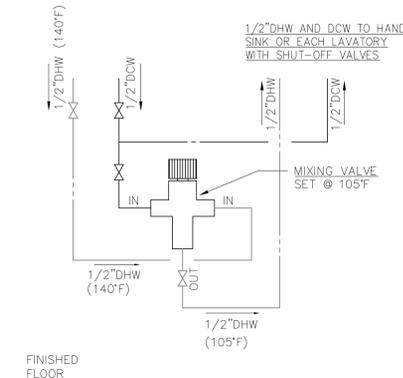


7 DRAIN DETAIL
P-105 SCALE: NONE



NOTE: TOP OFFSET REQUIRED ON ALL PIPING TAKEOFFS.

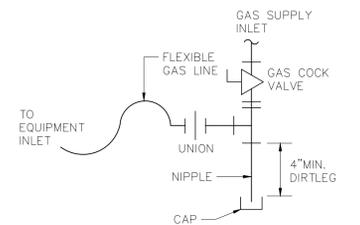
8 PIPING TAKE-OFF DETAIL
P-105 SCALE: NONE



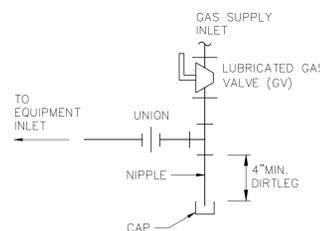
NOTE:

WATTS - MODEL LF1170 - HOT WATER TEMPERATURE CONTROL VALVE WITH BRASS BODY CONSTRUCTION, SOLID WAX HYDRAULIC PRINCIPLE THERMOSTAT THAT CONTROLS BOTH HOT AND COLD WATER, INTEGRAL FILTER WASHERS AND CHECK VALVES, ADJUSTMENT CAP WITH LOCKING FEATURE SET TO PROVIDE MAXIMUM 105F HOT WATER TO THE BATHROOM/HAND SINK FAUCETS

9 HAND SINK WATER DETAIL
P-105 SCALE: NONE

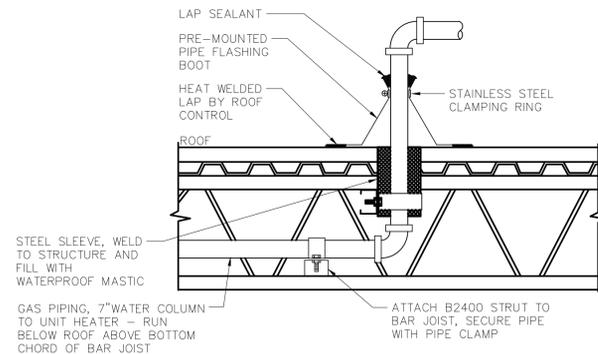


NOTE: INSTALL FLEXIBLE NATURAL GAS LINE CONNECTION TO KITCHEN EQUIPMENT PER NFPA 54.



NOTE: TYPICAL GAS CONNECTION FOR WATER HEATER, MAKE-UP AIR AND ROOFTOP UNIT.

10 GAS CONNECTION DETAILS
P-105 SCALE: NONE



11 GAS PIPE THROUGH ROOF DETAIL
P-105 SCALE: NONE

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95 Nutrition

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SA JOB #: 19071.01 DATE:

DRAWING #: P-105

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